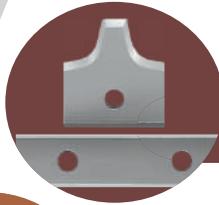
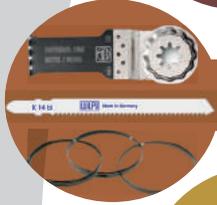
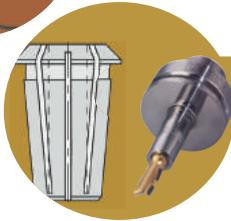
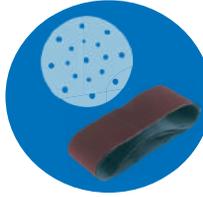


	<b>Circular Sawblades</b>	<b>1</b>
	<b>Shank Type Tools</b>	<b>2</b>
	<b>Cutters with Bore</b>	<b>3</b>
	<b>Buzzers, Thicknessers &amp; Knives</b>	<b>4</b>
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# Introduction

## Welcome to the 3rd edition of the Robertson & Sinclair Ltd Catalogue.

Our business is growing based on our commitment to providing the highest levels of service and expertise. The Catalogue is a component in making it easier for you, our customers to purchase regularly ordered items and also to whet your appetite for some of the stunning products we have in our range.

Our focus is on providing the best value through superior products at competitive prices matched with expert staff, efficient ordering systems and a vast range of stock at hand. Our customers enjoy being able to source all of their requirements from the one supplier meaning simple ordering and less office work.

Who would have thought it possible to purchase the world's finest tooling from LEUCO in Germany, and Vortex from USA, and have them airfreight weekly to New Zealand and sell them at prices lower than ever before. Thus our customers benefit from having the best tooling resulting in less (or no) finishing after machining, longer tool life and ready availability.

Purchasing your requirements is made easy by dealing with our knowledgeable staff located in our 3 branches and 3 sales vans. Our vans have a wide range of common stock and onboard computers so we can satisfy your needs on the spot. We also are easily accessible through our website, email and fax.

In addition, we have one of New Zealand's largest tool sharpening and manufacturing operations which compliments our stock range and enables us to customise tooling if required.

Our range of customers extends from serious small home workshops to large industrial users but each one of these customers has something in common. A commitment to doing the job well and an appreciation of the value of good service.

As a result we carry a range of options for doing most tasks starting from lower cost (but still fine quality) to high end high performance tools. This allows us to provide the most cost effective option for all applications.

We source our fine brands from reputable suppliers with proven quality, reliable performance and delivery. Our large volumes enable us to negotiate competitive pricing from the world's finest tooling manufacturers.

We are continually searching for new and innovative products so do not hesitate to contact us if you have a need which is not found in this comprehensive catalogue.

## HISTORY

Our business started as a small saw doctor in Ponsonby Road in 1961 by Bruce Robertson and Bob Sinclair. Today it is run by Bruce's son Paul, and the sharpening and manufacturing workshop is considerably bigger, being one of the largest in New Zealand. It still holds place at the heart of our business although the equipment these days is a lot more sophisticated.

Our highly skilled team of Saw Doctors, Toolmakers and Machinists have the ability to sharpen to the finest honed edge almost any tool, manufacture a range of steel or aluminum profile heads to fit H.S.S. or tungsten carbide tools and can also create complex interlocking precision profiles to match our customer's requirements.

## WORKSHOP

**ROBSIN** brand profiling heads with safety pinned H.S.S. or disposable tungsten carbide knives are made exclusively by us. From standard edge profiling, sash profiles with matching counter tenon profiles or trenching, we make all of our heads safety pinned and located at the base. This ensures that our end users can have the confidence to use their machines with minimal risk of personal injury and also by locating the knives we allow you fast, accurate and easy setup of the knives achieving a concentric cutting arc for all the knives cutting edges so the finish quality is high meaning less or no sanding.

**HAKANSSON** band saw blading is considered to be of the highest quality carbon steel and bi metal. We import the milled (not ground as some cheaper alternatives) blades from Sweden in large rolls and then through a process of welding and annealing they are joined to any length you may require. Our band saw manufacturing sets the standard for band saw welding in New Zealand.



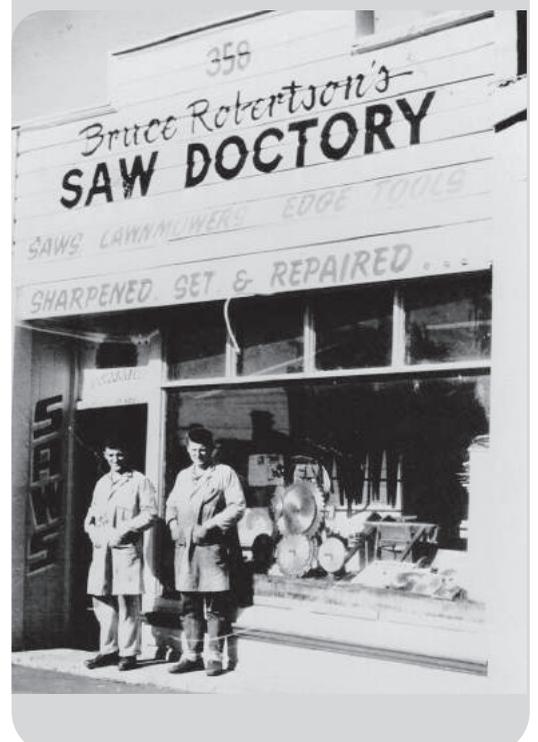
## LiNBiDE

-NZ largest ranges of Router Cutters on display



## FESTOOL

-Largest stockist in NZ of this quality German Powertool



LEUCO German knife steel is used with genuine 18% tungsten alloy mix for our planer/jointer knives and these can be produced at any length you may require up to 1,000mm.

Our workshop can manufacture and customise a range of tooling especially for your needs. Custom modifications can also be done to bore the arbor or locking pin holes for saw blades, change router bit profiles, and much more. Talk to us about any customised tooling requirement you may have as our sharpening and manufacturing workshop can do almost anything.

### PROFILE KNIVES

All of the profile knives we produce are precision ground and we can make any custom profile from a drawing or sample of the profile you are trying to recreate. Or you can choose from any of the over 10,000 profiles we currently have.

Why is our profile service so popular? Because we produce **accurate profiles which are exactly the same every time we make them**. Even complex counter matching profiles are no problem for us. If you are unsure of how to create a certain profile, talk to one of our sales team who will gladly guide you through this process.

### SHARPENING

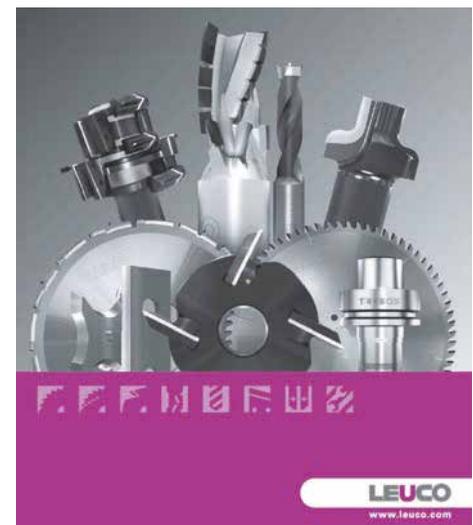
Tool sharpening has undergone somewhat of a revolution with the advent of the tungsten carbide tip. Our skilled Saw doctors still retain the ability to grind almost any tool into shape from garden implements to picture framing knives or older style steel tip saws. For tungsten carbide saw blades we are now using computerised machines which calculate the position of each tip to accurately grind the same amount from every tip. The amount removed is nominal and some **customers have reported up to 5 times more blade life** whilst using our services over some of our cheaper competitors.

We can also repair broken or missing teeth, straighten the saw body through a process called tensioning and ensure that every tooth is aligned perfectly around the saw blade. **Precision sharpening** is our specialty and **even the most difficult hollow ground face is no problem for us**. We take every care to ensure your tool is returned in perfect condition, for example, your Planer knife sets are simultaneously ground on a long bed machine which means perfectly height matched knives every time.

**Plus almost anything else, if you're unsure please give us a call.**

Please also visit our website [www.RandS.co.nz](http://www.RandS.co.nz) where you will also see our monthly and weekly specials

We look forward to doing business with you and having you enjoy the Robertson & Sinclair Ltd experience.



#### PENROSE BRANCH

727 Great South Rd  
Penrose  
P (09) 571 0045  
F (09) 571 0017  
E [mw@RandS.co.nz](mailto:mw@RandS.co.nz)



#### NORTH HARBOUR BRANCH

26 Hillside Road  
Glenfield  
P (09) 444 6389  
F (09) 444 9106  
E [nh@RandS.co.nz](mailto:nh@RandS.co.nz)



#### HAMILTON BRANCH

92 Greenwood St  
Frankton  
P (07) 847 8928  
F (07) 847 8269  
E [ham@RandS.co.nz](mailto:ham@RandS.co.nz)

# Some of our brands



Woodworking Machines you can trust

Woodworking Machinery  
Extraction Parts  
Cutterheads



Drill Bits  
Countersinks



PowerTools



Bandsaw  
Blading



German  
Tooling



Profile  
Sanding



Lubricants



Coatings



Holesaws



Spiral Cutters



Clamps



Mortise Chisel  
& Bits



Screwdriver  
Bits



Joining Systems



Router Bits &  
Saw Blades



Abrasives



Bandsaw Blades  
Spindle Moulder  
knives



Multimaster  
Oscillating Tools



Mortise Chains  
& Bars



Jigsaw Blades

## I Circular Sawblades

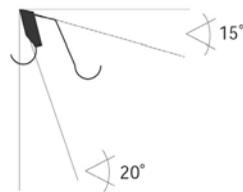
### I-1 Blade Applications

<b>Ripsaws</b>	<b>I-1</b>
<b>Crosscut Blades</b>	<b>I-2</b>
<b>G5 Blades, Nail Biters</b>	<b>I-3</b>
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<b>Tooth Shape Overview</b>	<b>I-20</b>



## MACHINE SAWS – SOLID WOOD AND WOOD BASED PANELS

### LEUCO Roughing Saws for Ripping along the grain



LEUCO  
DUR

LEUCO  
proline

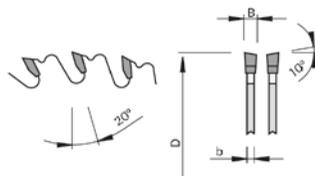
Tungsten Carbide [HW]

- | On table saws.
- | Cutting along the grain in solid softwood.
- | Good all round usage.

- | Chip Limiters protects from chipping out knots.
- | Tooth configuration.
- | Flat tooth for easy fast cutting along the grain.

DIA	TEETH	BORE	ANGLE	KERF	POS	PART NO
250	18	30	+20°	3.2	Flat Tooth	LEU58104050
300	14	30	+20°	3.2	Flat Tooth	LEU58104006
350	16	30	+20°	3.2	Flat Tooth	LEU58104015
350	24	30	+20°	3.5	Flat Tooth	LEU58104041
400	18	30	+20°	3.5	Flat Tooth	LEU58104021
450	32	30	+20°	3.5	Flat Tooth	LEU58104051
500	36	30	+20°	3.8	Flat Tooth	LEU58104052
600	40	30	+20°	3.8	Flat Tooth	LEU58104048
700	46	30	+20°	3.8	Flat Tooth	LEU58104049

### LEUCO Clean Ripping Saws along and fast cuts across the grain



LEUCO  
DUR

LEUCO  
proline

Tungsten Carbide [HW]

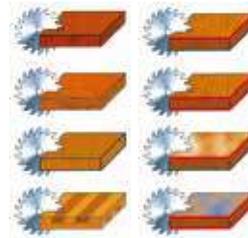
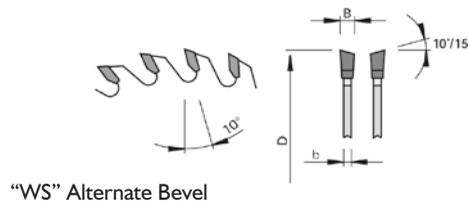
- | Table saws, special saws.
- | Ripping and fast sizing cuts in solid woods.
- | TCT HW HL Board 10 for soft and medium woods.

- | Tooth configuration Alternate top bevel WS.
- | No chipped edges from knots due to chip limiter.

DIA	TEETH	BORE	ANGLE	KERF	PART NO
250	24	30	+10°	3.2	LEU189946
300	28	30	+10°	3.2	LEU189947
315	28	30	+10°	3.2	LEU189948
350	32	30	+10°	3.5	LEU189949
400	36	30	+10°	3.5	LEU189950
450	40	30	+10°	3.8	LEU189951
500	44	30	+10°	3.8	LEU189952

## MACHINE SAWS – SOLID WOOD AND WOOD BASED PANELS

### LEUCO Crosscut Saws in Solid Wood or Wood based Panels



LEUCO  
DUR

LEUCO  
proline

Tungsten Carbide [HW]

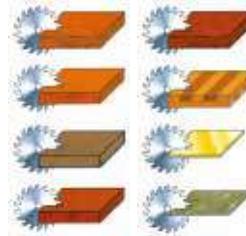
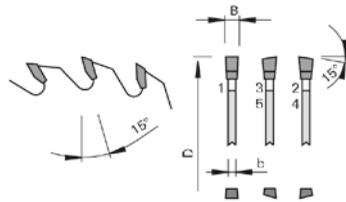
- | Table saws, special saws.
- | Sizing cuts in solid woods.
- | Sizing cuts in wood based panels.

- | Tooth configuration alternate top bevel WS.
- | Optimal tooth sizing due to large range of teeth.
- | TCT HW HL Board 10 for solid wood.

DIA	TEETH	BORE	POS	KERF	TOOTH	MACHINE	PART NO
160	48	20	+10°	2.6	WS	TS55 FESTOOL	LEU188995
180	30	30	+10°	3.2	WS		LEU189956
180	54	30	+10°	3.2	WS		LEU58100015
190	48	30	+10°	2.6	WS		LEU50110090
200	48	30	+10°	3.2	WS		LEU189959
200	64	30	+10°	3.2	WS		LEU189960
210	30	30	+15°	2.8	WS	TS75 FESTOOL	LEU50110104
210	48	30	+15°	2.8	WS	TS75 FESTOOL	LEU50110105
210	60	30	+10°	2.8	WS	TS75 FESTOOL	LEU50110106
235	36	30	+15°	2.8	WS		LEU50110117
250	40	30	+10°	3.2	WS		LEU189961
250	48	30	+10°	3.2	WS		LEU189962
250	60	30	+10°	3.2	WS		LEU189963
250	80	30	+10°	3.2	WS		LEU189964
300	48	30	+10°	3.2	WS		LEU189965
300	60	30	+10°	3.2	WS		LEU189966
300	72	30	+10°	3.2	WS		LEU189967
300	96	30	+10°	3.2	WS		LEU189968
315	48	30	+10°	3.2	WS		LEU189969
315	72	30	+10°	3.2	WS		LEU189970
350	54	30	+10°	3.5	WS		LEU189971
350	72	30	+10°	3.5	WS		LEU189972
350	84	30	+10°	3.5	WS		LEU189973
350	108	30	+10°	3.5	WS		LEU189974
400	60	30	+10°	3.5	WS		LEU189975
400	84	30	+10°	3.5	WS		LEU189976
400	96	30	+10°	3.5	WS		LEU189977
450	66	30	+10°	3.8	WS		LEU189980
450	108	30	+10°	3.8	WS		LEU58100060
450	132	30	+05°	4.6	WS		LEU189834
500	72	30	+10°	3.8	WS		LEU189981
500	144	30	+15°	4.6	WS		LEU189835
720	72	30	+05°	6.2	WS	HUNDIGGER	LEU189801

## MACHINE SAWS – SOLID WOOD AND WOOD BASED PANELS AND PLASTICS

### LEUCO The G5 Configuration is the ultimate Finish Cut Saw Blade



**LEUCO DUR** **LEUCO proline**  
Tungsten Carbide [HW]

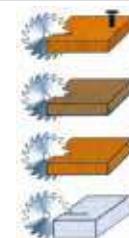
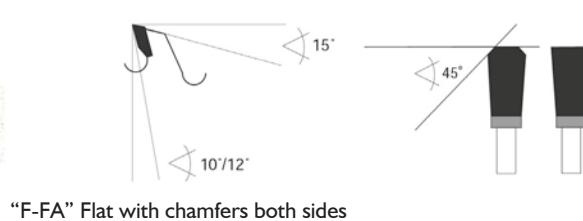
- | Table saws, Panel saws, CNC Machines, aggregates.
- | Perfect chip free cuts, mitres in solid wood. Laminated plywood
- | Special G5 tooth configuration.

- | TCT HW HL Board 03 extremely tough.
- | Low noise and long life.
- | Spectacular finish in acrylics.

DIA	TEETH	BORE	POS	KERF	TOOTH	PART NO
200	65	30	+15°	3.0	HW G5	LEU192789
220	70	30	+15°	3.0	HW G5	LEU192077
240	75	30	+15°	3.0	HW G5	LEU192791
255	80	30	+15°	3.0	HW G5	LEU192792
280	85	30	+15°	3.0	HW G5	LEU192080
305	100	30	+15°	3.0	HW G5	LEU192794
315	100	30	+15°	3.0	HW G5	LEU192088
350	100	30	+15°	3.0	HW G5	LEU192796
380	120	30	+15°	3.0	HW G5	LEU192089
400	120	30	+15°	3.0	HW G5	LEU192797
450	130	30	+15°	3.6	HW G5	LEU192085
500	145	30	+15°	3.6	HW G5	LEU192086
550	160	30	+15°	4.0	HW G5	LEU192090

## NAIL BITER BLADES

### LEUCO Construction Saw Blades along and across the grain



**LEUCO DUR** **LEUCO proline**  
Tungsten Carbide [HW]

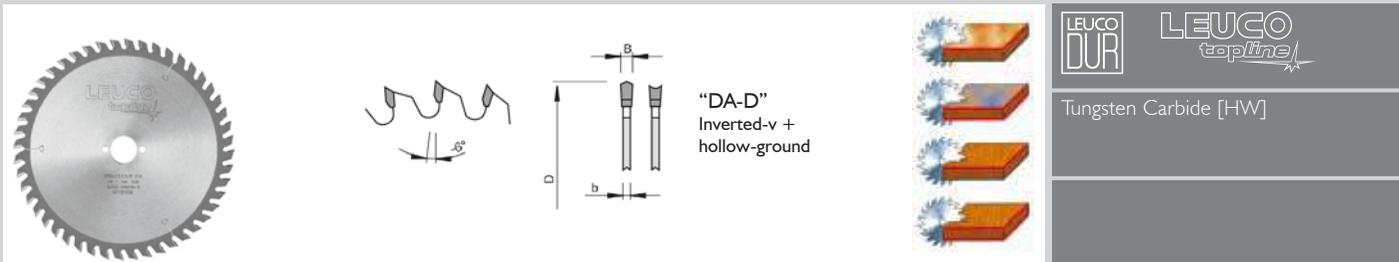
- | Easily cuts through **nails** and foreign objects.
- | On construction type table saws
- | For cutting along and across the grain in wood
- | For cutting panel materials or pallets

- | Easily cuts through nails
- | Special cutting geometry for long edge life
- | TCT HW HL Board 10 for solid wood

DIA	TEETH	BORE	ANGLE	KERF	PART NO
235	16	30	+12°	2.8	LEU5812015
250	16	30	+12°	3.2	LEU58120220
300	20	30	+12°	3.2	LEU58120041
315	20	30	+12°	2.2	LEU58120046
350	24	30	+12°	2.5	LEU58120042
400	28	30	+12°	3.5	LEU58120043
450	30	30	+12°	3.8	LEU58120044
500	34	30	+12°	3.8	LEU58120045
600	36	30	+12°	4.4	LEU58120227
700	42	30	+12°	4.6	LEU58120228

## MACHINE SAWS – COATED PANELS MDF AND PARTICLE BOARD

### LEUCO Hollow Face Saws for cutting laminated panels



#### Nothing cuts laminate better than a Leuco Topline.

Chip free cuts in light/dark laminated panels, MDF and particle board.

- | Table saws, vertical panel sizing saws.
- | Sizing cuts in particle board/MDF panels.
- | Tooth configuration inverted V hollow ground.
- | TCT HW HL Board 06 specifically for laminates.
- | Extremely straight steel plate.
- | Premium quality saw body cut from centre sheet.
- | Every blade checked for accuracy by factory.

#### Sizing “Negative” Hook Angle

DIA	TEETH	BORE	NEG	KERF	TOOTH	PART NO
250	48	30	-6°	3.2	DA-D Topline	LEU189693
<b>303</b>	<b>60</b>	<b>30</b>	<b>-6°</b>	<b>3.2</b>	<b>DA-D Topline</b>	<b>LEU169739T</b>
350	72	30	-6°	3.5	DA-D Topline	LEU189695

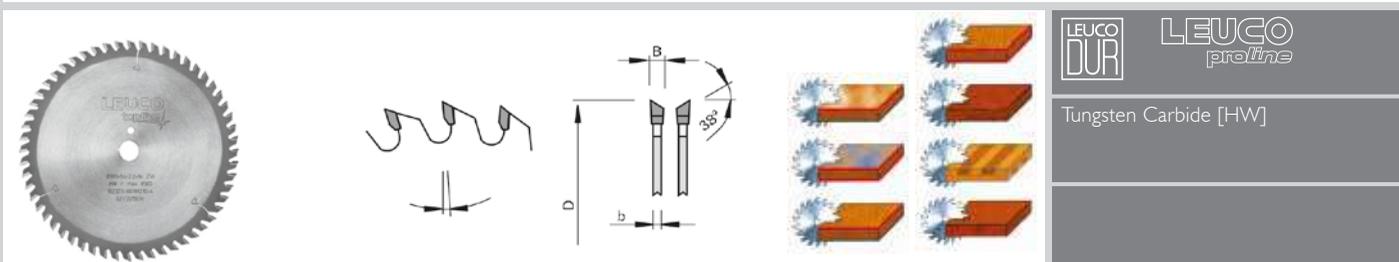
#### Sizing “Positive” Hook Angle

DIA	TEETH	BORE	POS	KERF	TOOTH	PART NO
<b>303</b>	<b>60</b>	<b>30</b>	<b>+10°</b>	<b>3.2</b>	<b>DA-D Topline</b>	<b>LEU188975T</b>
350	72	30	+10°	3.5	DA-D Topline	LEU189691
400	84	30	+10°	3.5	DA-D Topline	LEU189692

\* Triple chip beveled to produce immaculate chip free cuts in dark coloured panels.

**\*Most Popular**

### LEUCO High Angle Saws for cutting laminated panels

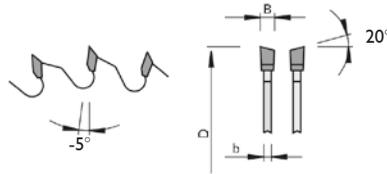


- | High angle alternate bevel.
- | Cuts laminates panels and most solid wood and Plywood HPL
- | 38° bevel for chip free cutting

DIA	TEETH	BORE	POS	KERF	TOOTH	PART NO
303	96	30	+02°	3.2	WS Highline	LEU189983

## MITRE SAWS – SOLID WOOD AND WOOD BASED PANELS

### Negative Hook Angle Alternate Bevel



LEUCO DUR LEUCO proline

Tungsten Carbide [HW]

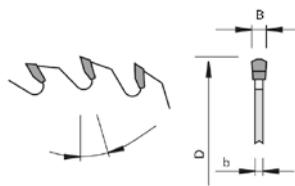
| Negative hook angle alternate bevel  
| Suits Elu or Dewalt miter saws

| TCT HW HL Board 10

| Clean cuts and safe handling  
| No kick back due to negative hook angle

DIA	TEETH	BORE	ANGLE	KERF	MACHINE	PART NO
180	48	30	-5°	2.8		LEU58115007
210	48	30	-5°	2.8		LEU58110194
216	24	30	-5°	2.8	{ PS174 DEWALT ELU }	LEU58110180
216	48	30	-5°	2.8		LEU58110181
216	60	30	-5°	2.8		LEU58110192
254	40	30	-5°	3.2	{ TG172 ELU + DEWALT }	LEU58100218
254	60	30	-5°	3.2		LEU58100231
254	80	30	-5°	3.2		LEU58110139
260	60	30	-5°	2.5	{ KAPEX FESTOOL KAPEX FESTOOL }	LEU58100233
260	80	30	-5°	2.5		LEU58100234
300	72	40	-5°	3.2		LEU58100237
305	32	30	-5°	3.2		LEU58110270
305	60	30	-5°	3.2	{ ELEKTRA BECKUM ELEKTRA BECKUM }	LEU58110281
305	96	30	-5°	3.2		LEU58110272
350	72	40	-5°	3.2		LEU58110273
350	96	30	-5°	3.5		LEU58110143

### LEUCO Aluminium - Plastics - Noblan - Varicor - HPL



#### Design

- | Extra TAUble saw blade body with small HW projection, for burrfree cutting quality
- | Positive hook angle for easy feed
- | Requires tight tool clamping when cutting aluminium

LEUCO tempitima

LEUCO DUR

Tungsten Carbide [HW]

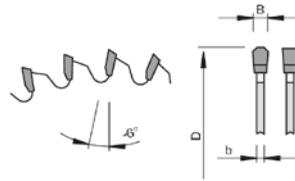
LOW CARBON

### Triple Chip / Positive Hook

DIA	TEETH	BORE	POS	KERF	PART NO
250	80	30	+5°	3.2	LEU189877
300	96	30	+5°	3.2	LEU189879
350	108	30	+5°	3.2	LEU189881
400	96	30	+5°	3.8	LEU189882
420	96	30	+5°	3.8	LEU189884
450	108	40	+5°	3.8	LEU189885
500	120	30	+5°	4.0	LEU189886

## MACHINE SAWS – ALUMINIUM/PLASTIC

### LEUCO Negative Hook Angle ( MOST POPULAR)



**LEUCO**  
**DUR** *proline*

Tungsten Carbide [HW]

#### Machine / Application

- | Chop and mitre saws.
- | For clipping and mitre cuts in aluminum and plastic profiles.

#### Design

- | Negative hook angle.
- | Tooth configuration: triple chip/flat "TR-F".
- | Cutting material: HW HL Board 10.

#### Advantages

- | Noise-reduction thanks to laser ornaments.

DIA	TEETH	BORE	NEG	KERF		PART NO
150	42	20	-6°	2.8		LEU58115002
160	42	20	-6°	2.2	TS55 FESTOOL	LEU58115004
160	56	20	-6°	2.2	TS55 FESTOOL	LEU58115042
180	48	20	-6°	2.8		LEU58115007
210	54	30	-6°	2.8	TS75 FESTOOL	LEU58115012
216	60	30	-6°	2.8	ELU / DEWALT	LEU58115024
216	80	30	-6°	2.8	PS174	LEU58115034
235	64	30	-6°	2.8		LEU58115018
250	60	30	-6°	3.2		LEU189846
250	80	30	-6°	2.8		LEU189847
250	80	30	-6°	3.2		LEU189848
260	72	30	-6°	3.2	KAPEX FESTOOL	LEU58808206
300	72	30	-6°	3.2		LEU189851
300	96	30	-6°	3.2		LEU189854
330	96	32	-6°	3.2		LEU188818
350	108	30	-6°	3.2		LEU189861
380	110	32	-6°	3.8		LEU58808243
400	120	30	-6°	3.8		LEU80292116
420	96	30	-6°	4		LEU58808234
450	96	30	-6°	3.8		LEU58808235

### “Neutral Hook” Triple Chip/Flat Tooth

DIA	TEETH	BORE	NEU	KERF	CONFIGURATION	PART NO
380	90	32	+0°	3.6	TR-F Topline	LEU189111
500	114	32	+0°	4.0	TR-F Topline	LEU189076
550	126	30	+0°	4.4	TR-F Topline	LEU189113

### 4 Point Cutting Grease

#### 4 POINT CUTTING GREASE

The ultimate cutting grease for aluminium joiners.

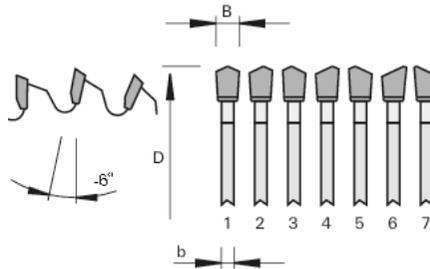
PART NO.

HAK4POINT



## NON FERROUS CIRCULAR SAW BLADES

### LEUCO Saw Blades HW-profiles "G7" The "Ultimate" Aluminium cutting Blade



Tungsten Carbide [HW]



#### Machine / Application

- | Clipping and mitre saws.
- | Table saws
- | Clipping and mitre cuts in PVC profiles
- | For burr-free and smooth cuts in aluminium window and facade profiles

#### Design

- | Negative hook angle.
- | Tooth configuration: "G7"
- | Cutting material: HW HL Board 06

#### Advantages

- | Reduced cutting pressure thanks to group tooth geometry
- | Excellent burr-free cuts with low roughness thanks to tooth partition
- | Extremely noise-reduced thanks to special laser ornaments
- | Increased edge life compared to chop saw blades with tooth configuration "TR-F"
- | Increased performance and economic efficiency

#### Notes

- | Tight workpiece clamping required

Ø D	B	Ø d	Z	PART NO
300	3,2	30	98	LEU192568
350	3,2	30	112	LEU192275
350	3,5	30	98	LEU192274
350	3,8	40	84	LEU192273
400	3,8	40	84	LEU192276
420	4,0	30	98	LEU192277
450	3,8	30	112	LEU192278
500	4,0	30	126	LEU192279
550	4,0	30	133	LEU192392

## TR-F-Negative

### Circular Saw Blades for Plastic and Aluminium Profiles



#### Application

- | For sizing cuts in thin-walled plastic and aluminium profiles

#### Machine

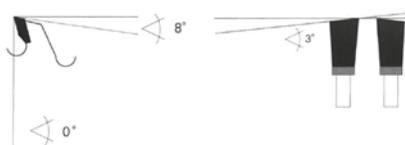
- | On Chop and Mitre Saws

#### Design

- | Negative hook angle
- | Smooth running and no chipping of edges of the workpiece thanks to high running speed

DIA	B	b	Ø d	Z	TOOTH GEOMETRY	PART NO
200	2,2	2,0	30	100	TRFN	LEU188388
250	2,2	1,6	30	126	FN	LEU189709

## LEUCO Metal Cutting Saw Blades



Tungsten Carbide [HW]



### Machine / Application

- | Chop and mitre saws.
- | Metal Cutting

### Design

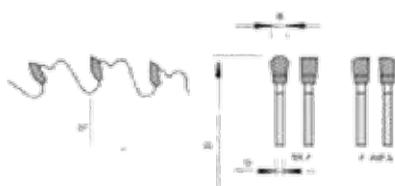
- | With special cutting geometry for high cutting quality and long tool life

### Application

- | Metals, NF Metals, Sheet Metals, Cast iron, etc
- | For wooden and plastic materials

NEUTRAL HOOK			FLAT TOOTH		
DIA	TEETH	BORE	NEU	KERF	PART NO
160	30	20	+0°	2.2	LEU58116504
180	36	20	+0°	2.2	LEU58116508
210	40	30	+0°	2.4	LEU58116512
216	40	30	+0°	2.4	LEU58116520
235	44	30	+0°	2.4	LEU58116521
254	48	30	+0°	2.4	LEU58165001
305	60	30	+0°	2.6	LEU58165002
355	80	30	+0°	2.2	LEU58165003

## LEUCO Dry Cut - Universal Metal Cutting Machines



### “Low Revs”

- 254dia = 1750 min |
- 305dia = 1500 min |
- 355dia = 1250 min |

### Machine / Application

- | Dividing and mitre cuts in
- | Composite materials, metal sheets, NF metals, Plastics, cable ducts, profiles, SML tubes etc

### Design

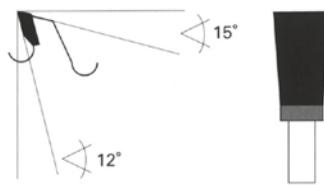
- | “F-WFA” - Flat with alternating chamfer

DIA	TEETH	BORE	NEU	KERF	PART NO
254	60	30	+0°	2.2	LEU58805861
305	60	25.4	+0°	2.2	LEU58805862
305	80	25.4	+0°	3.2	LEU58805863
355	80	25.4	+0°	2.2	LEU58805866

## Weld Chasers

DIA	TEETH	BORE	NEG	PART NO
110	26	22.2	Neg	ROBWCI1026T22.2
125	26	22.2	Neg	ROBWC12526T22.2

## LEUCO Diamond Saw Blades - For Portable Machines



polycryTAUline diamond [DP]

MEC

### Application

- | For sizing cuts in laminate, MDF, particle boards, cemented boards, Corian, thermoset, plasterboards, melamine, Ornament
- | Not suitable for stone, glass and nails

### Design

- | Precision-body with PCD cutting edges (diamond)
- | Large gullet for excellent chip removal
- | Large hook angle for easy cutting



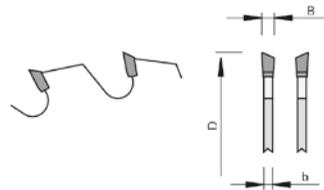
DIA	TEETH	BORE	MACHINE	KERF	PART NO
160	4	20	TS55 FESTOOL	2.2	LEU80250180
<b>* 160</b>	<b>8</b>	<b>20</b>	<b>TS55 FESTOOL</b>	<b>2.2</b>	<b>LEU50457379</b>
180	4	30		2.2	LEU50457998
180	8	30		2.2	LEU50457356
210	12	30	TS75 FESTOOL	2.2	LEU50457358
235	15	30		2.2	LEU50457359
250	16	30		2.2	LEU58457360
305	8	25.4			MAK721477-A

**\*Most Popular**



## LEUCO Biscuit Saw Blades and Lamello P-System

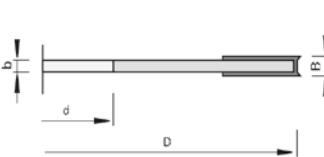
TAUstandard Type



Tungsten Carbide [HW]

MAN

Tok Type



Tungsten Carbide [HW]

MAN

### Machine / Application

- | For chip-free grooving of Lamello wood joints in solid woods and in wood-based panels.

### Design

| n = 6,500 - 11,000 min-1

### Notes

- | Application against feed with and across the grain.

### "WS" Alternate Bevel

DIA	TEETH	BORE	POS	KERF	MACHINE	PART NO
<b>* 100</b>	<b>6</b>	<b>22</b>	<b>+ 10°</b>	<b>4</b>	<b>Lamello C3 &amp; ZETA</b>	<b>LEU189095</b>
100	4+4	22	Knives	4	TOK knives	LEU164838
<b>* 100</b>	<b>12</b>	<b>22</b>	<b>+ 10°</b>	<b>4</b>	<b>All machines</b>	<b>LIN37810001222</b>
100	12	22.4	+ 10°	4	Ryobi	LIN378100012224
100	3	22	P System	7	Lamello Zeta	LAM132141

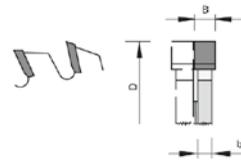
**\*Most Popular**

## LEUCO Grooving Saws

Product



Drawing



Machine / Application

- | Table shapers.
- | For chip-free grooving in solid woods and in wood-based panels.

Notes

- | Application against feed with the grain (solid wood).
- | Application with feed only with MEC (wood-based panels).
- | For Z = 12 and Z = 18 other groove widths are possible when tools are assembled as a set.
- | Groove width calculation for tool sets: sum of all "b" + HW overlap left and right + shim thickness.

**(Gopof Type)**

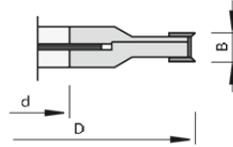
OD	WIDTH	BORE	MACHINE	TEETH	PART NO.
125	1.5	30	Universal	12	LEU188359
125	1.8	30	Universal	12	LEU188360
125	2.0	30	Universal	12	LEU188361
125	2.2	30	Universal	12	LEU188362
125	2.5	30	Universal	12	LEU188363
125	3.0	30	Universal	12	LEU188364
125	3.5	30	Universal	12	LEU188365
125	4.0	30	Universal	12	LEU188366
125	4.5	30	Universal	12	LEU188367
125	5.0	30	Universal	12	LEU188368
125	6.0	30	Universal	12	LEU188369
125	7.0	30	Universal	12	LEU188370
125	8.0	30	Universal	12	LEU188371
125	10.0	30	Universal	12	LEU188372
125	12	30	Universal	6	GOPFT01HM612
125	18	30	Universal	6	GOPFT01HM618
150	1.5	30	Universal	12	LEU188373
150	2.0	30	Universal	12	LEU188375
150	2.2	30	Universal	12	LEU188376
150	2.5	30	Universal	12	LEU188377
150	3.0	30	Universal	12	LEU188378
150	3.5	30	Universal	12	LEU188379
150	4.0	30	Universal	12	LEU188380
150	4.5	30	Universal	12	LEU188381
150	5.0	30	Universal	12	LEU188382
150	6.0	30	Universal	12	LEU188383
150	7.0	30	Universal	12	LEU188384
150	8.0	30	Universal	12	LEU188385
150	9.0	30	Universal	12	LEU188386
150	10.0	30	Universal	12	LEU188387
150	4.0	30	Universal	24	LEU169689
150	5.0	30	Universal	24	LEU169688
150	6.0	30	Universal	24	LEU169687
150	4.0	30	Universal	48ws	LEU160804
180	4.0	30	Universal	12	LEU001442
180	5.0	30	Universal	12	LEU001443
180	6.0	30	Universal	12	LEU161624
180	8.0	30	Universal	12	LEU161625
180	10.0	30	Universal	12	LEU161626
180	4.0	30	Universal	18	LEU169685
180	5.0	30	Universal	18	LEU169684
180	8.0	30	Universal	18	LEU169683
180	10.0	30	Universal	18	LEU169682
196	6.0	30	Universal	12 WS	LEU163836
200	18	30	Universal	4/8 SCRIBERS	GOPFT03HM18
200	20	30	Universal	4/8 SCRIBERS	GOPFT03HM20
200	25	30	Universal	4/8 SCRIBERS	GOPFT03HM25
200	30	30	Universal	4/8 SCRIBERS	GOPFT03HM30

## LEUCO Grooving Cutterheads

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MAN

Machine / Application

- | Table shapers.
- | Molders.
- | Double end tenoners.
- | For chip-free grooving in solid woods and in wood-based panels.

Design

- | Ø 130 mm: n = 6,000-10,000 min-l
- | Ø 160 mm: n = 5,000-8,000 min-l
- | Ø 180 mm: n = 4,500-7,400 min-l

Notes

- | Application against feed with and across the grain.
- | Cutting width 4-7.5 mm two-piece.
- | Cutting width 4-15 mm three-piece.
- | Cutting width adjustable with shims in 0.1mm increments.
- | Single cutterheads and spacers secured against rotation with pins.

OD/D	WIDTH/B	BORE/d	MACHINE	PART NO.
130	4-7.5	30	Universal	LEU166509
160	8-15	30	Universal	TAUTH09TM01
160	12.5-24	30	Universal	TAUTH09TM11
160	28-55	30	Universal	TAUTH94TM10
180	4-7.5	30	Universal	LEU168081
180	3.8	30	Universal	LEU168096
180	4-15	30	Universal	LEU168080
180	8.0-15	30	Universal	LEU178725
180	12.6-24	30	Universal	LEU178729
250	8-15	30	Universal	TAUTH06TM10

### REPLACEMENT PARTS

WIDTH	HEIGHT	THICKNESS		
14	14	2	Spurs	LEU003079
7.6	12	1.5	TOK knives	LEU052543
12	12	1.5	TOK knives	LEU003080
M5	20	178725	Screws	LEU178741
M6	20	178729/31	Screws	LEU178742
Suits tool 178725		SW2.5x100	Screwdriver	LEU168010
Suits tool 178729 and 178731		SW3.0x100	Screwdriver	LEU166090

## TAUBE TG & V SET

Product



LEUCO  
DUR

Tungsten Carbide [HW]

MAN

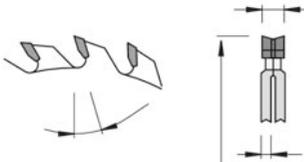
### AUYS113AZM TONGUE & GROOVE I-4 SET

Refer to Stark catalogue page BAS-38

## LEUCO Scoring Blades For Dimension Saws



\*Split Blade Design



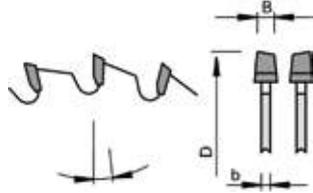
"ES" Top Bevel  
2 Piece Scribes  
with shins



Tungsten Carbide [HW]

DIMENSIONS	ADJUTAUBLE	POS	PART NO	
100d 10z 20b	Scoring 2.8-3.6k	+12°	LEU192232	
120d 12z 20b	Scoring 2.8-3.8k	+12°	LEU192234	
120d 12z 22b	Scoring 2.8-3.8k	+12°	LEU192235	Alterndorf
120d 12z 50b	Scoring 2.8-3.8k **	+12°	LEU192237	
** Alterndorf Rapido				

## LEUCO Scriber Saws for Beam Saws

Conical - Alternate bevel "KO-WS"

Low motor output, thanks to  
tooth configuration "KO-WS"



Tungsten Carbide [HW]

DIMENSIONS	ADJUTAUBLE	POS	PART NO	
125d 20z 20b	Scoring Panhans 4.4-5.2k	+0°	LEU191963	
125d 20z 45b	Scoring Giben Hom 4.4-5.2k	+0°	LEU191965	
125d 24z 20b	Scoring SCM 3.2-4.0k	-8°	LEU191967	
150d 24z 30b	Scoring Irion, Mayor 4.4-5.2k	-8°	LEU191969	
160d 28z 45b	Scoring Giben 4.4-5.2k	-8°	LEU191972	
180d 36z 45b	Scoring Holzma 4.8 > 5.6k	-8°	LEU191977	
180d 36z 45b	Scoring Holzma 4.2 > 5.2k	-8°	LEU191976	
200d 36z 20b	Scoring Schelling 4.4 > 5.2k	-8°	LEU191981	
200d 36z 65b	Scoring Selco 4.4 > 5.2k	-8°	LEU191984	
200d 36z 65b	Scoring Selco 4.8 > 5.6k	-8°	LEU191985	
200d 44z 50b	Scoring Giben Smart 4.5-5.5k	-8°	LEU191986	
300d 48z 65b	Scoring Selco EB 4.4 > 5.2k	-8°	LEU191991	
300d 48z 50b	Scoring Giben 4.4 > 5.2k	-8°	LEU191990	

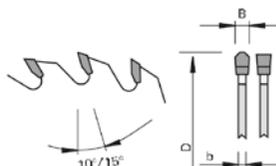
## LEUCO Conical - Flat

DIMENSIONS	ADJUTAUBLE	POS	PART NO	
200d 36z 45b	Scoring Homag 4.5 > 5.35k	-8°	LEU192005	

## MACHINE SAWS – BEAMSAW BLADES

### LEUCO Unicut Saw Blades Triple chip/Flat configuration TR-F

- | Leuco is the pre-eminent supplier of Beamsaw Blades worldwide.
- | Unicut is a universal blade for premium cutting. Board 03 carbide ensures long life.



Tungsten Carbide [HW]



#### Machine / Application

- | Panel sizing saws.
- | For sizing cuts in plastic-laminated panels.

#### Design

- | Up to D=360, 10° hook angle.
- | From D=380, 15° hook angle.
- | Tooth configuration: triple chip/flat "TR-F".
- | Cutting material: HW HL Board 03.

#### Advantages

- | Precut or precision cutting.
- | Focused on universal use.
- | Improved cutting quality thanks to optimised cutting geometry.
- | Noise-reduction thanks to laser ornaments.

#### Notes

- | Specifically for plastic-laminated panels and plywood in single sheets and TAUcks.

DIA	TEETH	BORE	POS	KERF	STYLE	APPLICATION	PART NO
250	60	30	+10°	4.2	TR-F Topline	Casadei Linea	LEU719656
250	80	30	+10°	4.2	TR-F Topline	Casadei Linea	LEU181718
300	72	75	+10°	4.4	TR-F Topline	Homag	LEU192026
320	72	75	+10°	3.4	TR-F Topline	Giben, Smart	LEU192030
350	72	30	+10°	4.4	TR-F Topline	SCM, Holzher	LEU192033
355	60	75	+10°	4.4	TR-F Topline	Giben	LEU192038
355	72	75	+10°	4.4	TR-F Topline	Giben	LEU192037
400	72	80	+15°	4.4	TR-F Topline	Selco, WN	LEU192043
400	72	75	+15°	4.4	TR-F Topline	Giben, Homag	LEU192047
430	72	80	+15°	4.4	TR-F Topline	Selco, WN	LEU192050
450	72	60	+15°	4.8	TR-F Topline	Holzma	LEU192056
450	80	80	+15°	4.8	TR-F Topline	Selco, WN	LEU192055
480	72	80	+15°	4.8	TR-F Topline	Selco, WN	LEU192061

### LEUCO Finish Cut F-FA Flat with Chamfer

DIA	TEETH	BORE	POS	KERF	STYLE	APPLICATION	PART NO
300	60	65	+12°	4.4	F-FA Topline	Selco EB70	LEU189203
300	60	75	+12°	4.4	F-FA Topline	Homag CH03	LEU189204
300	60	65	+12°	4.4	F-FA Topline		LEU192140
355	72	75	+12°	4.4	F-FA Topline	Giben	LEU189185
380	72	60	+12°	4.4	F-FA Topline	Holzma	LEU189174
380	72	60	+12°	4.8	F-FA Topline	Holzma	LEU189172
400	72	80	+12°	4.4	F-FA Topline	SCM	LEU189159
450	72	60	+12°	4.8	F-FA Topline	Holzma	LEU192172

## OVERVIEW OF PANEL SIZING SAW BLADE PROGRAM

### LEUCO Innovative program of Carbide Tipped Panel Sizing Saw Blades



#### UNICUT

The multi-functional saw blade for pressure beam machines is available from stock in diameters from 350 - 450mm  
Better for TAUck cutting



#### FINISHCUT

For single cuts in finish-cut edge  
Available from stock with diameters from 280 - 520mm  
Good Edge Finish

### LEUCO Edgebander Clipping Blades (Tape Cutoff)



"WS" Alternate Bevel

DIA	TEETH	BORE	POS	KERF	TOOTH	APPLICATION	PART NO
100	30	32	+10°	2.6	WS	Brandt	LEU188009
110	20	22	+8°	3.6	WS	Holzher	LEU192477
110	20	32	+9°	3.6	WS	Homag	LEU169988
125	24	32	+15°	2.4	WS	Brandt	LEU192189
125	36	30	+10°	2.4	WS	Homag	LEU188927
125	36	20	+10°	3.2	TC	Holzher	LEU80131827
140	36	16	+10°	3.2	WS	O++	LEU189326
140	36	22	+10°	3.2	WS	Holzher	LEU188880
160	24	30	+5°	3.2	WS	Holzher	LEU188005

DIA	TEETH	BORE	NEG	KERF	TOOTH	APPLICATION	PART NO
100	30	32	-10°	2.6	ES	Brandt	LEU181616 R/H
						Brandt	LEU181617 L/H
180	42	32	-6°	2.6	WS	IMA	LEU189996

## SAW BLADES

### STANDARD SAW BLADE

For all wooden materials, soft plastics, high density fibreboard - coarse cut



DIA	CUTTING WIDTH	BORE	TEETH	ANGLE	PART NO	
160	1,8	20	18	25°	FES500458	For HKC 55
210	2,6	30	18	20°	FES493197	For TS 75
230	2,5	30	24	20°	FES500647	For HK 85
240	2,8	30	22	20°	FES437042	For AP 85, AP 88, AXP 85

### PANTHER SAW BLADE

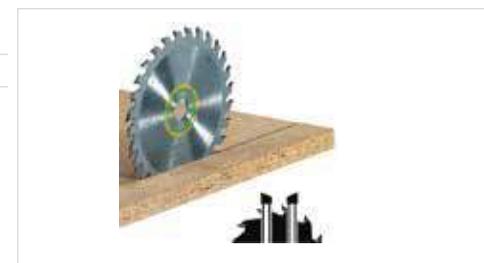
For rip cuts in solid wood - quicker with less force needed



DIA	CUTTING WIDTH	BORE	TEETH	ANGLE	PART NO	
160	1,8	20	12	25°	FES500460	For HKC 55
160	2,2	20	12	20°	FES496301	For TS 55, TSC 55, ATF 55, AP 55
190	2,6	FF	16	28°	FES492049	For CS 50
210	2,6	30	16	28°	FES493196	For TS 75
225	2,6	30	18	28°	FES496303	For CS 70
230	2,5	30	18	28°	FES500646	For HK 85

### UNIVERSAL SAW BLADE

For all wooden materials, building board - medium cut



DIA	CUTTING WIDTH	BORE	TEETH	ANGLE	PART NO	
160	2,2	20	28	15°	FES496302	For TS 55, TSC 55, ATF 55, AP 55
190	2,6	FF	32	10°	FES492048	For CS 50
190	2,8	30	32	15°	FES490517	For AT 65, AP 65
210	2,4	30	36	15°	FES493198	For TS 75
225	2,6	30	32	20°	FES488288	For CS 70
260	2,5	30	60	-5°	FES494604	For KS 120, KS 88

### FINE TOOTH SAW BLADE

For veneered and laminated board, solid wood, MDF - fine cut



DIA	CUTTING WIDTH	BORE	TEETH	ANGLE	PART NO	
160	1,8	20	32	5°	FES500459	For HKC 55
160	2,2	20	48	5°	FES491952	For TS 55, TSC 55, ATF 55, AP 55
190	2,4	FF	48	8°	FES492050	For CS 50
190	2,8	30	48	8°	FES486297	For AT 65, AP 65
210	2,4	30	52	5°	FES493199	For TS 75
225	2,6	30	48	10°	FES488289	For CS 70
230	2,5	30	48	10°	FES500648	For HK 85
260	2,5	30	80	-5°	FES494605	For KS 120, KS 88

## SAW BLADES

### SPECIAL SAW BLADE

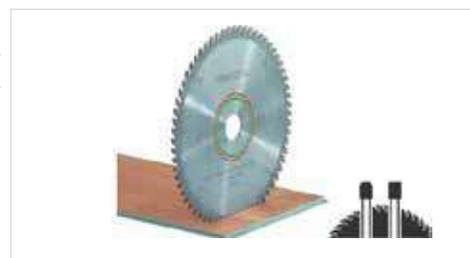
For aluminium panels and profiles, plexiglass, hard and fibre-reinforced plastics, non-ferrous metals, aluminium composite panels



DIA	CUTTING WIDTH	BORE	TEETH	ANGLE	PART NO	
160	2,2	20	52	-5°	FES496306	For TS 55, TSC 55, ATF 55, AP 55
190	2.8	30	68	-5°	FES486299	For AT 65, AP 65
210	2.4	30	72	-5°	FES493201	For TS 75
216	2.3	30	60	-5°	FES500123	For SYMMETRIC 70 E
225	2.6	30	64	4°	FES489459	For CS 70 (Soft Plastics)
260	2.4	30	64	-5°	FES494606	For KS 120, KS 88

### SPECIAL SAW BLADE

For laminate flooring, laminated board, solid surface and mineral materials



DIA	CUTTING WIDTH	BORE	TEETH	ANGLE	PART NO	
160	2,2	20	48	4°	FES496308	For TS 55, TSC 55, ATF 55, AP 55
190	2.6	30	54	4°	FES489458	For AT 65, AP 65
210	2.4	30	60	4°	FES493200	For TS 75
260	2.5	30	64	-5°	FES494607	For KS 120, KS 88

### SPECIAL SAW BLADE

For hard building board, fibre cement board and solid surface materials



DIA	CUTTING WIDTH	BORE	TEETH	ANGLE	PART NO
160	2,2	20	8	-	LEU50457379

Special application saw blade for fibre cement sheet products and compressed concrete sheet up to 15mm

DIA	CUTTING WIDTH	BORE	TEETH	ANGLE	PART NO
210	2,2	30	12	-	LEU58457358

Special application saw blade for fibre cement sheet products and compressed concrete sheet up to 15mm

DIA	CUTTING WIDTH	BORE	TEETH	ANGLE	PART NO
250	2,2	30	16	12°	LEU58457360

250mm PCD Diamond Saw Blade; 16 Tooth for use with KAPEX for cutting; Fibre Cement Sheet products

## PORTABLE SAWS & TABLE – SOLID WOOD AND WOOD BASED PANELS

### LINBiDE Positive Hook Angle Alternate Bevel – Thin kerf Rapier

#### THIN KERF SAWBLADES

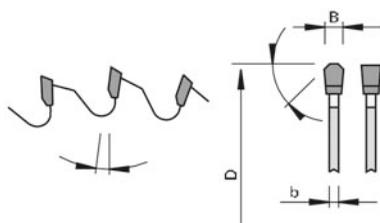
DIAMETER	TEETH	BORE	KERF	PART NO
125	20	16	1.7	LINTKRAP12520T20
160	20	20/16	1.7	LINTKRAP16020T20/16
160	30	20/16	1.7	LINTKRAP16030T20/16
160	40	20/16	1.7	LINTKRAP16040T20/16
160	60	20	1.7	LINTKRAP16060T20
165	20	20	1.7	LINTKRAP16520T20
165	40	20	1.7	LINTKRAP16540T20
184	20	20/16	1.7	LINTKRAP18420T20/16
184	30	20/16	1.7	LINTKRAP18430T20/16
184	40	20/16	1.7	LINTKRAP18440T20/16
190	40	20	1.7	LINTKRAP19040T20
210	20	25	2.2	LINTKRAP21020T25
210	30	25	2.2	LINTKRAP21030T25
210	40	25	2.2	LINTKRAP21040T25
210	60	25	2.2	LINTKRAP21060T25
216	24	30	2.2	LINTKRAP21624T30
216	40	30	2.2	LINTKRAP21640T30
216	60	30	2.2	LINTKRAP21660T30
235	20	25	2.2	LINTKRAP23520T25
235	30	25	2.2	LINTKRAP23530T25
235	40	25	2.2	LINTKRAP23540T25
235	60	25	2.2	LINTKRAP23560T25
254	40	30	2.2	LINTKRAP25440T30
254	60	30	2.2	LINTKRAP25460T30
254	80	30	2.2	LINTKRAP25480T30
260	40	25.4	2.2	LINTKRAP26040T25.4
260	60	25.4	2.2	LINTKRAP26060T25.4
260	80	25.4	2.2	LINTKRAP26080T25.4
260	100	25.4	2.2	LINTKRAP260100T25.4
305	60	25.4	2.4	LINTKRAP30560T25.4
305	80	25.4	2.4	LINTKRAP30580T25.4

#### TAUNDAKD KERF SAWBLADES POSITIVE HOOK Alternate Bevel Portable Saw Blades for Wood - TAUndard Kerf Rapier

DIAMETER	TEETH	BORE	KERF	PART NO
110	30	20	2.2	LINRAP11030T20
160	20	20	2.2	LINRAP16020T20
160	30	20	2.2	LINRAP16030T20
160	40	20	2.2	LINRAP16040T20
184	20	20	2.2	LINRAP18420T20
184	30	20	2.2	LINRAP18430T20
184	40	20	2.2	LINRAP18440T20
184	60	20	2.2	LINRAP18460T20
190	20	20	2.2	LINRAP19020T20
190	30	20	2.2	LINRAP19030T20
190	60	16	2.2	LINRAP19060T16
200	20	16	2.8	LINRAP20020T16
200	30	16	2.8	LINRAP20030T16
210	20	25	2.8	LINRAP21020T25
210	30	25	2.8	LINRAP21030T25
210	40	25	2.8	LINRAP21040T25
210	60	25	2.8	LINRAP21060T25
216	20	30	2.8	LINRAP21620T30
216	30	30	2.8	LINRAP21630T30
216	40	30	2.8	LINRAP21640T30
235	20	25	2.8	LINRAP23520T25
235	40	25	2.8	LINRAP23540T25
235	60	25	2.8	LINRAP23560T25
254	20	30	2.8	LINRAP25420T30
254	30	30	2.8	LINRAP25430T30
254	40	30	2.8	LINRAP25440T30
254	60	30	2.8	LINRAP25460T30

## PORTABLE SAWS – ALUMINIUM AND PLASTICS

### Negative Hook



Tungsten Carbide [HW]

	DIAMETER	TEETH	BORE	KERF	RAKE	PART NO.
<b>LINBiDE</b>	100	30	20	2.0	-5.0	LINNTRAP10030T20
	160	36	20	2.2	-5.0	LINNTRAP16036T20
	160	60	20	2.2	-5.0	LINNTRAP16060T20
	184	40	20	2.2	-5.0	LINNTRAP18440T20
	184	60	20	2.2	-5.0	LINNTRAP18460T20
	190	40	20	2.2	-5.0	LINNTRAP19040T20
	190	60	20	2.2	-5.0	LINNTRAP19060T20
	210	48	25	2.4	-5.0	LINNTRAP21048T25
	210	60	25	2.4	-5.0	LINNTRAP21060T25
	210	80	25	2.4	-5.0	LINNTRAP21080T25
	216	48	30	2.4	-5.0	LINNTRAP21648T30
	216	60	30	2.4	-5.0	LINNTRAP21660T30
	216	80	30	2.4	-5.0	LINNTRAP21680T30
	235	60	30	2.4	-5.0	LINNTRAP23560T30
	254	100	25.4	2.8	-5.0	LINNTRAP254100T25
	254	60	30	2.4	-5.0	LINNTRAP25460T30
	254	80	30	2.4	-5.0	LINNTRAP25480T30
	254	100	25.4	2.8	-5.0	LINTRAP25480T25.4
	260	60	25.4	2.4	-5.0	LINNTRAP26060T25.4
	260	80	25.4	2.4	-5.0	LINNTRAP26080T25.4
	260	100	25.4	2.4	-5.0	LINNTRAP260100T254
	305	100	30	2.8	-5.0	LINNTRAP30580T30

### PRECISION BORING SERVICE AVAILABLE

Precision plays a key part in the performance of the Saw Blade, which results in superior cutting performance, finish and blade life. Our experienced technicians can accurately modify the bore/arbor and locking pin holes to suit your machine.

Bore sizes can also be reduced by re-bushing with a precision bush.



**Call us now to discuss your sharpening requirements.**

## High Speed Steel Circular Sawblades (Metal Cutting)



### STEAM

Steam treated HSS Circular Sawblades

Most common blade suitable for manual & semi automatic machines



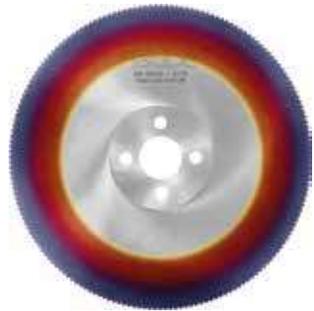
DIA	THICKNESS	BORE	PART NO
225	1.9	32	TAU22500032-1.9ST
225	2.0	32	TAU22500032-2.0ST
250	2.0	32	TAU25000032-2.0ST
250	2.5	32	TAU25000032-2.5ST
250	2.0	40	TAU25000040-2.0ST
250	2.5	40	TAU25000040-2.5ST
275	2.5	32	TAU27500032-2.5ST
275	2.0	40	TAU27500040-2.0ST
275	2.5	40	TAU27500040-2.5ST
300	2.5	32	TAU30000032-2.5ST
315	2.5	32	TAU31500032-2.5ST
315	2.5	40	TAU31500040-2.5ST
325	2.5	32	TAU32500032-2.5ST
350	2.5	32	TAU35000032-2.5ST
350	2.5	40	TAU35000040-2.5ST
350	3.0	40	TAU35000040-3.0ST
370	3.0	32	TAU37000032-3.0ST
370	3.0	40	TAU37000040-3.0ST
400	3.0	40	TAU40000040-3.0ST



### ALTICN

Special coating applied to HSS Tungsten - Molybdenum - Cobalt Steel

Best coating for cutting pipe & thin wall profiles using oil mist



DIA	THICKNESS	BORE	PART NO
250	2.0	32	TAU25000032-2.0AL
250	2.5	32	TAU25000032-2.5AL
250	2.0	40	TAU25000040-2.0AL
275	2.5	32	TAU27500032-2.5AL
275	2.5	40	TAU27500040-2.5AL
300	2.5	32	TAU30000032-2.5AL
300	2.5	40	TAU30000040-2.5AL
315	2.5	32	TAU31500032-2.5AL
315	2.5	40	TAU31500040-2.5AL
350	2.5	32	TAU35000032-2.5AL
350	2.5	40	TAU35000040-2.5AL
370	2.5	32	TAU37000032-2.5AL



### E-RED

Has a multipurpose coating giving you a higher (HV) hardness and a lower friction coefficient

Suitable for cutting harder materials

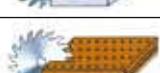


DIA	THICKNESS	BORE	PART NO
225	1.9	40	TAU22500040-1.9ER
250	1.5	32	TAU25000032-1.5ER
250	2.0	32	TAU25000032-2.0ER
250	2.0	40	TAU25000040-2.0ER
275	2.5	32	TAU27500032-2.5ER
275	2.5	40	TAU27500040-2.5ER
300	2.5	40	TAU30000040-2.5ER
315	2.5	32	TAU31500032-2.5ER
315	2.5	40	TAU31500040-2.5ER
350	1.8	32	TAU35000032-1.8ER
350	2.5	32	TAU35000032-2.5ER
350	2.5	40	TAU35000040-2.5ER
350	3.0	40	TAU35000040-3.0ER

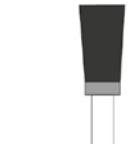
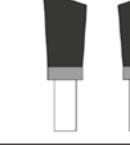
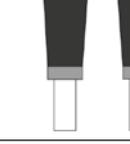
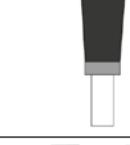
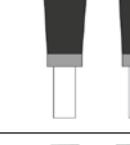
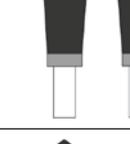
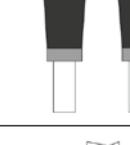
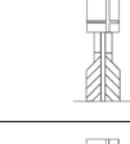
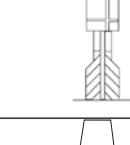
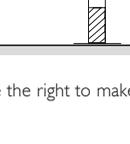
### Jiffy Blades

DIA	THICKNESS	BORE	PART NO
520	3.00	40	TAUFRIC-J3
520	4.00	40	TAUFRIC-J4

## Material to be cut

	Cutting Speed in m/sec
 Soft wood with the grain	60-100
 Soft wood across the grain	60-100
 Hard and exotic wood with the grain	50-85
 Hard and exotic wood across the grain	50-85
 Wood with nails	60-100
 Particle boards / MDF, raw	50-80
 Blockboards	50-90
 Particle boards, MDF melamine on one side	60-100
 Particle boards, MDF melamine on two sides	60-100
 Particle boards, MDF veneered on one side	60-90
 Particle boards, MDF veneered on two sides	60-90
 Cemented fibre boards	40-80
 Autoclaved aerated concrete blocks	40-80
 Laminated material	50-80
 Plastics, acrylics	15-40
 Alloyed Steel	30-60
 Unalloyed Steel	20-30
 Non-ferrous materials, metals, soft iron	50-70
 Printed circuit boards	60-100
 Compound materials, sandwich panels, recycled materials	40-65
 Veneers	40-80
 Profiled wood	60-100
<b>Scoring in particleboard / MDF</b> <ul style="list-style-type: none"> <li>• raw</li> <li>• laminated on 1 side</li> <li>• veneered on 1 side</li> <li>• veneered on 2 sides</li> </ul>	

## Tooth Configuration

	Flat tooth configuration "F"
	Flat tooth configuration with reciprocal chamfer "F-WFA"
	Tooth combination Flat-alternate-left-right-left-right "FWWWW"
	Alternate top bevel "WS"
	Alternate top bevel with chamfer "WS-FA"
	Triple chip "TR"
	Triple chip/Triple chip "TR/TR"
	Triple chip/Flat tooth "TR-F/TF"
	Inverted V-hollow ground "HDF"
	RS-Alternate top bevel 2 pcs. "RS-WS"
	RS-Flat tooth 2 pcs. "RS-F"
	conical "KO / K"

## 2 Shank Type Cutters

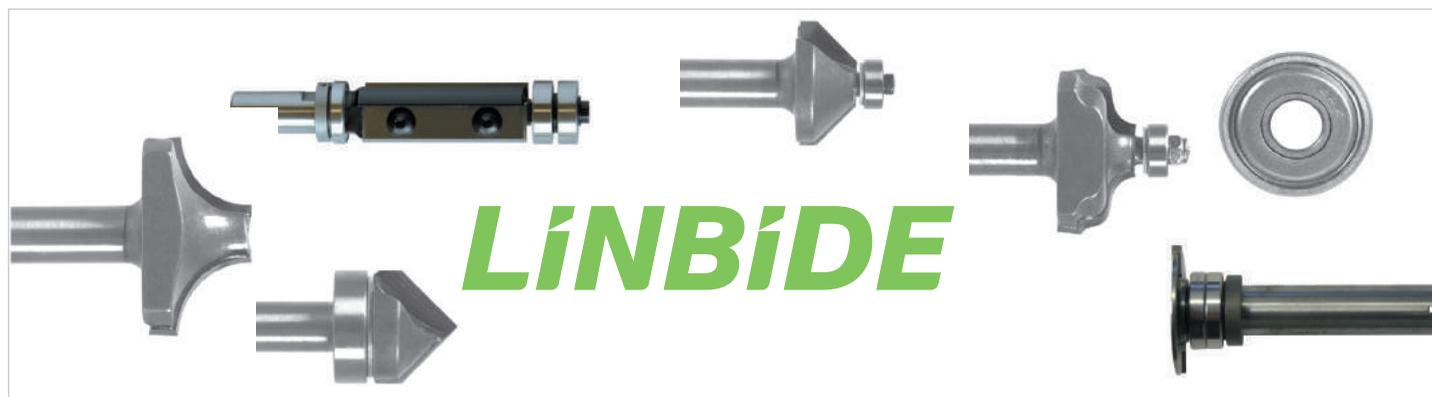
### 2-1 Vortex Spiral Cutters

<b>Solid Carbide Spirals</b>	<b>2-3</b>
<b>Plexi-Point Drills</b>	<b>2-27</b>
<b>Replaceable Knife Router Bits</b>	<b>2-28</b>
<b>Door Sets</b>	<b>2-31</b>
<b>Door Cabinets</b>	<b>2-32</b>
<b>Door Profiles</b>	<b>2-33</b>
<b>Door Cutter</b>	<b>2-39</b>



### 2-2 Linbide Router Cutters

<b>Straight Router Bits</b>	<b>2-44</b>
<b>Rounding Over Bits</b>	<b>2-47</b>
<b>Classical and Profile Furniture Mouldings</b>	<b>2-52</b>
<b>Chamfer and Angle Bits</b>	<b>2-53</b>
<b>Router Accessories</b>	<b>2-65</b>
<b>Solid Surface Router Bits</b>	<b>2-66</b>
<b>Profile Bits for Cupboard Doors</b>	<b>2-72</b>
<b>Laminating and Trimming Bits</b>	<b>2-74</b>



## 2 Shank Type Cutters

### 2-3 Carbitool Router Cutters

<b>Straight Bits</b>	<b>2-79</b>
<b>Laminate Trim Bits &amp; Cutters</b>	<b>2-83</b>
<b>Edge and Face Forming Bits</b>	<b>2-87</b>
<b>Face Moulding Bits</b>	<b>2-101</b>
<b>Jointing Bits</b>	<b>2-104</b>
<b>Panel Door And Window Bits</b>	<b>2-106</b>
<b>Bearing, Collets, Arbors and Keys</b>	<b>2-109</b>
<b>Replaceable Insert Router Bits</b>	<b>2-110</b>
<b>Diamond Coated Edge Forming Bits</b>	<b>2-114</b>

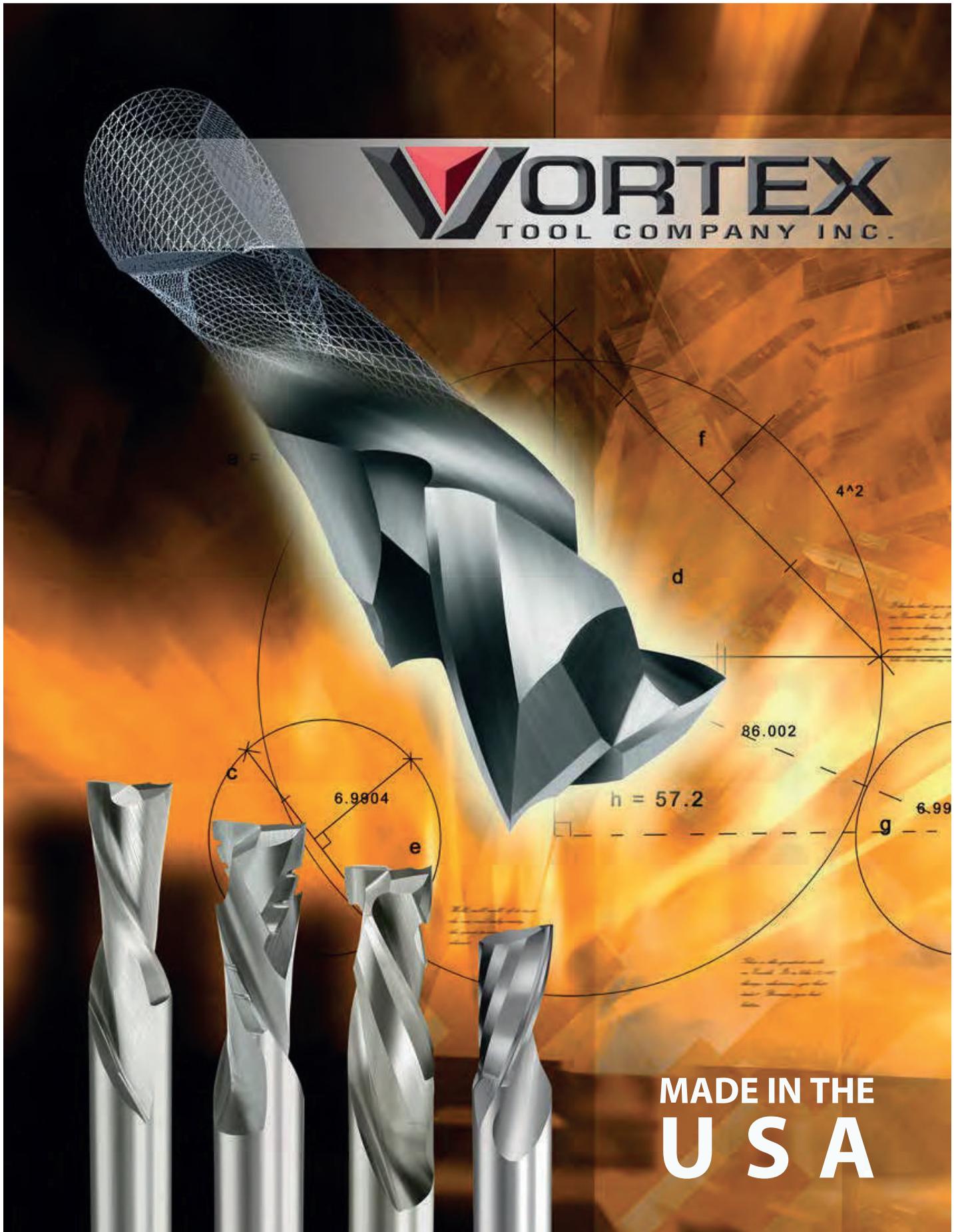


### 2-4 Leuco Tok Router Cutters

<b>Leuco Shank Type Cutters</b>	<b>2-119</b>
<b>Leuco Spiral Cutters</b>	<b>2-120</b>
<b>Leuco Ornamental Groove Cutters</b>	<b>2-121</b>
<b>Leuco Super Profiler</b>	<b>2-124</b>
<b>Leuco Ecopro Cutters</b>	<b>2-127</b>
<b>Leuco Diamond Cutters</b>	<b>2-128</b>
<b>Leuco Alucobond Cutters</b>	<b>2-129</b>



# Shank Type Tools





## Why Use Solid Carbide Spiral Tooling?

Because of some unique cutting tool properties, solid carbide spiral tools produce the best edge qualities of any cutting tool design available. Additionally, solid carbide router bits are able to produce these cuts at the fastest feed rates possible as compared to any other type of routing tool.



### UPCUT SPIRALS (Positive)

- The upcut spiral is a right hand spiral with a right hand rotation of cut. An upcut spiral will cause the chips to be “augered” upwards during cutting. This can be particularly useful in slotting cuts or where chip removal is a problem. Upcut spiral bits have a tendency to “lift” the part in some cases. Additional holding power or stepped cutting may be required.
- Upcut spiral bits will leave a smooth cut on the bottom of a thru cut and tend to leave some fuzzing on the top edge in certain materials.
- Upcut spirals straight plunge/drill and have a good end cutting geometry.



### DOWNCUT SPIRALS (Negative)

- A downcut spiral (right hand cut, left hand spiral) causes the chip flow to be directed downward. It also helps hold down the part being cut. The edge quality on the part is smooth on the top and tends to be fuzzy on the bottom in certain materials.
- The downward chip flow can sometimes cause clogging problems particularly in a blind slotting situation. Downcut bits tend to preload the routing system and can substantially improve part hold down in a marginal routing setup.
- Downcut tools CAN NOT be used to plunge straight into wood and should be ramped into the part.



### COMPRESSION SPIRALS

- A Compression spiral is designed with both upcut and downcut flutes. The upcut and downcut flutes compress the material being cut preventing chipping or fuzzing on the top and bottom of the cut.
- Compression spirals are used extensively for cutting double sided laminates, and can be used on natural woods where edge fuzzing is a problem.

The information given should only be used as a guideline or starting point for feed rate selection. Your actual feeds and speeds will vary widely as result of “contributing factors” such as machine rigidity, horsepower, collet condition, spindle integrity, part clamping, hold down and many other factors. Generally speaking, solid carbide tooling will perform better (i.e. longer life, less tool breakage) at faster feed rates. We recommend a “starting point” feed rate and increasing the feed rate until part finish becomes undesirable or other limiting factors become evident.

## CHIP LOAD INFORMATION

The chip load is a measurement of the thickness of material removed by each cutting edge during a cut. This is a valuable piece of information which can then be used to calculate new set ups.

Calculations are as follows:  $\text{Chip Load} = \text{Feed Rate (millimeters per minute)} / (\text{RPM} \times 2 \text{ flutes})$  Chip Load = 0.4233

Chip loads are based on material thickness of average size for the cutting edge length of the tool. These recommendations do not apply to thicker materials or tools with long cutting edge lengths. These chiploads are only a recommended starting point and may not accomodate all circumstances. Therefore, tooling damage may still occur and use of this chart does not warranty against tool breakage.

We would strongly encourage you to consult us directly on new tool applications. Our staff would be more than happy to discuss any technical questions.

## RECOMMENDED FEED RATE SETTINGS

TOOL DIAMETER	HARD WOOD	SOFTWOOD/ PLYWOOD	MDF/PARTICLEBOARD	HIGH PRESSURE LAMINATE	PHENOLIC
3.175	.076 - .127	.1016 - .1524	.1016 - 1778	.076 - .127	
6.35	.2286 - .2794	.2794 - .3302	.3302 - .4064	.2286 - .3048	.1016 - .1524
9.52	.381 - .4572	.4318 - .508	.508 - .5842	.381 - .4572	.1524 - .2032
12.7 & Over	.4826 - .5334	.5334 - .5842	.635 - .6858	.5842 - .635	.254 - .3048

TOOL DIAMETER	HARD PLASTIC	SOFT PLASTIC	SOLID SURFACE	ACRYLIC	ALUMINIUM
3.175	.0508 - .1016	.076 - .1524	.0508 - .1016	.076 - .127	.076 - .1016
6.35	.1524 - .2286	.1778 - .254	.1524 - .2286	.2032 - .254	.127 - .1778
9.52	.2032 - .254	.254 - .3048	.2032 - .254	.254 - .3048	.1524 - .2032
12.7 & Over	.254 - .3048	.3048 - .4064	.254 - .3048	.3048 - .381	.2032 - .254

## OTHER VALUABLE FORMULAS

Feed Rate = RPM x number of flutes x chip load

RPM = Feed Rate / (number of flutes x chipload)minute)

## RPM SELECTION

The general operating rpm for tooling contained in this catalog is between 10,000 and 20,000 revolutions per minute. Usually the higher the RPM, the better surface finish becomes. However, the higher the RPM, the more friction is generated between the tool and the work piece. This friction is what creates the mechanical wear on the cutting edge. Your goal is to select the lowest RPM possible for each application.

If you need to solve premature tool failure, or under performing tools that are affecting your business, our technical staff can advise suitable options. We hold a wide stock range in our Branches and stock order is landed weekly from USA.

## Solid Carbide Spirals



### Series I 200

### Two Flute Upcut Finishing Spiral

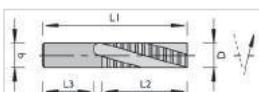
WOOD COMPOSITES



Two flute finishing tools are used when a smooth edge cut is required and is a popular tool design for most routing applications. The helical cutting edge reduces material contact while in the cut. These tools are used for cutting materials where no special considerations are needed. The upcut spiral will provide a smooth bottom finish, while “augering” the chips upward

D	L2	d	L1	RIGHT HAND PART NO	LEFT HAND PART NO
1.6	6.35	3.2	38	VORI 204	--
3	12	6	64	VORI 203	--
3.2	12.7	6.4	64	VORI 210	VORI 210L
3.2	22	6.4	51	VORI 212	--
4	16	6	64	VORI 205	--
4	14	6.4	64	VORI 215	--
4.8	16	6.4	64	VORI 220	VORI 220L
4.8	22	6.4	64	VORI 225	--
5	20	6	64	VORI 206	--
5.6	19	6.4	64	VORI 228	--
6	25	6.4	64	VORI 208	--
6.4	22	6.4	64	VORI 230	VORI 230L
6.4	32	6.4	76	VORI 232	VORI 232L*
8	25	8	64	VORI 222	--
8	25.4	8	64	VORI 234	--
7.14	28.5	8	76	VORI 235	--
9.5	25	9.5	76	VORI 238	--
9.5	32	9.5	76	VORI 240	VORI 240L
9.5	32	12.7	89	VORI 245	VORI 245L
10	30	10	76	VORI 246	--
11	25.4	12.7	76	VORI 249	VORI 249L
12	35	12	88	VORI 253	--
12.7	32	12.7	89	VORI 250	VORI 250L
12.7	22	12.7	89	VORI 251	--
12.7	38	12.7	89	VORI 255	--
12.7	38	12.7	89	VORI 255B	--
12.7	45	12.7	89	VORI 260	--
12.7	45	12.7	89	VORI 260B	--
12.7	54	12.7	101	VORI 265	VORI 265L
16	54	16	101	VORI 270	VORI 270L
16	50	16	127	VORI 275	--
19	54	19	127	VORI 280	--
19	41	19	101	VORI 282	--
19	89	19	152	VORI 285*	VORI 285L*
20	60	20	127	VORI 290	--

\*Extreme cutting edge length – not guaranteed against breakage.



**KEY** SEE DIAGRAM ON LEFT FOR DIMENSIONS EXAMPLE.



## Series I300

### Two Flute Downcut Finishing Spiral

**WOOD COMPOSITES**



Downcut tools are used when the down shearing effect of the tool is preferred. This tool will produce a clean top edge of a dado type or groove type cut or simply a thru cut where the bottom edge cut quality is not important. These tools will direct chip flow downward while helping hold parts onto table or pod. When nest cutting the tool path remains packed with chips which helps preserve maximum vacuum. Never plunge straight down with downcut tooling as this may cause fire or breakage

D	L2	d	LI	RIGHT HAND PART NO	LEFT HAND PART NO
3	12	6	64	VORI303	--
3.2	12.7	6.4	50.8	VORI310	VORI310L
3.2	22	6.4	64	VORI312*	--
4	16	6	64	VORI305	--
4	14	6.4	51	VORI315	--
4.8	15.8	6.4	51	VORI320	VORI320L
4.8	22.2	6.4	64	VORI325*	--
5	20	6	64	VORI306	--
5.5	19	6.4	64	VORI328	--
6	22.2	6.4	64	VORI308	--
6.4	31.75	6.4	76	VORI330	VORI330L
6.4	25.4	7.9	64	VORI332*	--
8	25	8	64	VORI322	--
8	28.5	8	76	VORI335	--
9.5	25.4	9.5	64	VORI338	--
9.5	32	9.5	75	VORI340	VORI340L
9.5	31.7	12.7	89	VORI345	VORI345L
10	30	10	76	VORI346	--
11	25.4	12.7	76	VORI349	--
12	35	12	88	VORI353	--
12.7	31.8	12.7	76	VORI350	VORI350L
12.7	22.2	12.7	76	VORI351	--
12.7	38.1	12.7	89	VORI355	VORI355L
12.7	44.5	12.7	89	VORI360	VORI360L
12.7	54	12.7	101	VORI365	VORI365L
16	54	16	101	VORI370	VORI370L
16	50	16	127	VORI375	--
19	63.5	19	127	VORI380	VORI380L
19	41.3	19	101	VORI382	--
19	87	19	150	VORI385*	--
20	60	20	127	VORI390	VORI370L



## Series I300XP

### Two Flute "Xtreme Performance" Downcut finishing Spirals

**PLASTIC WOOD COMPOSITES**



These tools have been specifically designed for difficult to cut materials where tool life is a problem. These tools will produce a clean top edge of a dado type or groove type cut or simply a thru cut where the bottom edge cut quality is not important.

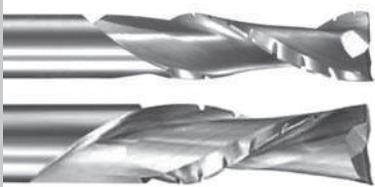
D	L2	d	LI	PART NO.
6.4	22	6.4	64	VORI330XP
9.5	22	9.5	76	VORI340XP
9.5	22	9.5	76	VORI340LXP
12.7	22	12.7	76	VORI350XP

## Solid Carbide Spirals



### Series 1400/1500 Two flute Chipbreaker Spirals

**HARDWOODS/PLYWOOD  
DENSE MATERIALS**



Chipbreaker cutting edges “break” the chips into even smaller pieces reducing power consumption and vibration. Chipbreakers are staggered on each flute to produce a smooth cut, but may leave visual lines in some situations. Chipbreaker tools are recommended for hardwoods, plywoods and dense materials where higher feed rates are required.

D	L2	d	LI	UPCUT PART NO.	DOWNCUT PART NO.
9.5	31.8	9.5	76	VOR1440	VOR1540
9.5	31.8	9.5	76	--	VOR1540L
12.7	31.8	9.5	89	VOR1450	VOR1550
12.7	38.1	12.7	89	VOR1455	VOR1555
12.7	44.5	12.7	89	VOR1460	VOR1560
12.7	54	12.7	101	VOR1465	VOR1565
16	54	16	101	VOR1470	VOR1570
16	54	16	101	VOR1470L	--
19	63.5	19	127	VOR1480	VOR1580



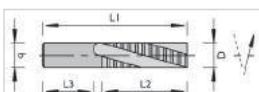
### Series 1600/1700 Three Flute Roughing Spirals

**HARDWOODS/PLYWOOD**



Three flute roughing tools are designed for high speed rates on CNC routers and are used when surface finish is not important in dense materials such as hardwoods and plywood. These tools are very successful in CNC applications where this bit makes the first cut, followed by a second cut using a profile type tool. This tool will produce a “rippled” edge cut and is extremely quiet and smooth cutting, even in heavy cuts and high feed rates.

D	L2	d	LI	UPCUT PART NO.	DOWNCUT PART NO.
9.5	25	9.5	64	VOR1638	--
9.5	32	9.5	75	VOR1640	VOR1740
12.7	31.8	12.7	76	VOR1650	VOR1750
12.7	44.5	12.7	88.9	VOR1660	VOR1760
16	54	16	101	VOR1670	VOR1770
19	63.5	19	127	VOR1680	VOR1780
19	63.5	19	127	VOR1680L	--
19	82	19	152	VOR1685*	VOR1785*



**KEY** SEE DIAGRAM ON LEFT FOR DIMENSIONS EXAMPLE.

## Solid Carbide Spirals



### Series 1800/1900 Three Flute Finishing Spiral

**WOOD COMPOSITES**



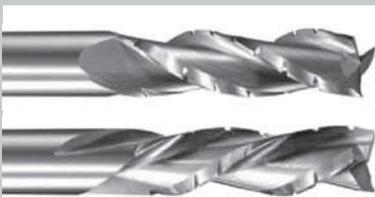
Finishing tools are used when an extremely smooth edge is required. The three flute design provides a better finish than the two flute at the same feed rate. Three flute tools are used for cutting natural woods and man-made wood composites. Some users experience greater tool life compared to a two flute tool.

D	L2	d	L1	UPCUT PART NO.	DOWNCUT PART NO.
6.4	19	6.4	64	VOR1830	VOR1930
6.4	19	6.4	64	--	VOR1930L
9.5	32	9.5	76	VOR1840	VOR1940
9.5	32	9.5	76	VOR1840L	VOR1940L
12.7	32	12.7	76	VOR1850	VOR1950
12.7	32	12.7	76	--	VOR1950L
12.7	44.5	12.7	89	VOR1860	VOR1960
12.7	44.5	12.7	89	VOR1860L	VOR1960L
12.7	54	12.7	101.6	VOR1865	VOR1965
16	54	16	101	VOR1870	VOR1970
16	54	6	101	--	VOR1970L
19.1	63.5	19.1	127	VOR1880	VOR1980
19.5	63.5	19.5	127	VOR1880L	VOR1980L
19	41.3	19	101	VOR1882	VOR1982
19	89	19	152	VOR1885*	VOR1985*
19	89	19	152	--	VOR1985L*



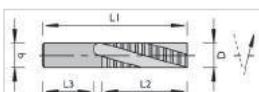
### Series 2000/2100 Three Flute Chipbreaker Spirals

**HARDWOODS/PLYWOOD**



Chipbreaker cutting edges "break" the chips into smaller pieces reducing power consumption and vibration. Chipbreakers are staggered on each flute to produce a smooth edge cut, but may leave visual lines when used with router spindles in poor condition. Chipbreaker tools are recommended for hardwoods, plywoods and dense materials.

D	L2	d	L1	UPCUT PART NO.	DOWNCUT PART NO.
9.5	32	9.5	75	VOR2040	VOR2140
9.5	32	9.5	75	--	VOR2140L
12.7	31.8	12.7	76	VOR2050	VOR2150
12.7	44.5	12.7	89	VOR2060	VOR2160
12.7	44.5	12.7	89	VOR2060L	--
12.7	54	12.7	101.6	VOR2065	VOR2165
15.9	54	15.9	101	VOR2070	VOR2170
15.9	54	15.9	101	VOR2070L	--
19	64	19	12.7	VOR2080	VOR2180



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## Solid Carbide Spirals

### Series 2200

#### Two flute Upcut Ballnose Spiral

WOOD  
HARD PLASTIC

These bits have been geometrically designed to cut cleaner than ballnose end mills and have point geometry specifically designed to cut wood or plastics. A series of tapered ballnose spirals have been designed for carving machines like legacy. Used for 3D modeling and carving, fluting, or for routing slots with rounded bottoms or rounded inside corners.

D	L2	d	LI	RIGHT HAND PART NO	LEFT HAND PART NO
1.6	6.4	3.2	38.1	VOR2204	--
3	12	6	64	VOR2203	--
3.2	12.7	3.2	38.1	VOR2210	--
6	22	6	64	VOR2208	--
6.4	22	6.4	54	VOR2230	VOR2230L
6.4	38	6.4	101	VOR2235*	--
8	25	8	64	VOR2222	--
9.5	32	9.5	76	VOR2240	--
9.5	38	9.5	101	VOR2243*	--
10	29	10	76	VOR2246	--
12	29	12	76	VOR2253	--
12.7	32	12.7	88.7	VOR2250	VOR2250L
12.7	38	12.7	88.7	VOR2255	--
12.7	38	12.7	125	VOR2258	--
12.7	54	12.7	101	VOR2265	--
15.9	54	15.9	101	VOR2270	--
19	38	19	125	VOR2280	--
19	88	19	101	VOR2282	--
19	88	19	150	VOR2285*	--

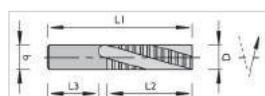
### Series 2200

#### Tapered Ballnose Spirals

WOOD  
HARD PLASTIC

A series of tapered ballnose spirals have been designed for carving machines like Legacy. Used for 3D modeling and carving, fluting, or for routing slots with rounded bottoms or rounded inside corners. These tools offer added strength with the ability to still produce fine detailed carving.

D	L2	d	LI	PART NO.
6.4 to 1.6	38.1	6.4	76	VOR2205
6.4 to 3.2	38.1	6.4	76	VOR2215
12.7 to 6.4	38.1	12.7	88.7	VOR2245
12.7 to 9.5	38.1	12.7	88.7	VOR2260



**KEY** SEE DIAGRAM ON LEFT FOR DIMENSIONS EXAMPLE.

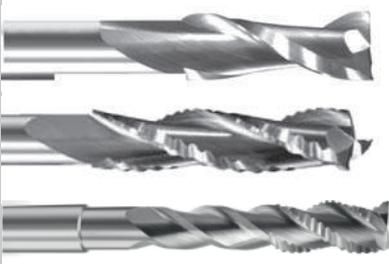
## Solid Carbide Spirals



### Series 2300

#### Pass-By/Deep Pocket Mortise Upcut

**WOOD  
HARD PLASTIC**



Pass-by router bits have a long overall length and a reduced diameter between the end of the cutting edge and the shank of the bit. This bit design is well suited for deep pocket mortise cuts and step cutting through thick materials. Now available in two or three flutes in roughing or finishing geometries.

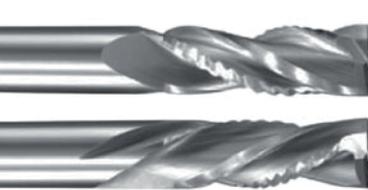
D	L2	d	LI	DOC	FLUTE	PART NO.
3.2	12.7	6.4	76	25.4	2 Finish	VOR2305
6.4	19	6.4	82.5	54	2 Finish	VOR2308
9.5	25	9.5	101	67	2 Finish	VOR2310
12.7	32	12.7	125	90	2 Finish	VOR2320
12.7	38	12.7	150	115	2 Finish	VOR2325
15.9	38	15.9	150	115	2 Finish	VOR2340
19	38	19	125	90	2 Finish	VOR2345
19	38	9	150	90	2 Finish	VOR2350
9.5	25	9.5	101	67	3 Finish	VOR2360
12.7	32	12.7	125	90	3 Finish	VOR2365
12.7	38	12.7	150	115	3 Finish	VOR2370
15.9	38	15.9	150	115	3 Finish	VOR2375
19	38	19	125	90	3 Finish	VOR2380
19	38	19	150	115	3 Finish	VOR2385
12.7	38	12.7	150	115	3 Finish	VOR2373R
15.9	50.8	15.9	150	115	3 Finish	VOR2377R
19	50.8	19	150	115	3 Finish	VOR2387R



### Series 2400/2500

#### Four Flute "Tornado" Spirals

**HARDWOODS/PLYWOOD**



This award winning tool design combines a roughing and finishing tool into one tool. It achieves never before attained feed rates. The flute geometry features a larger flute preceding the roughing edges which allows them to make a bigger bite. Following close behind are finishing edges which produce a clean cut.

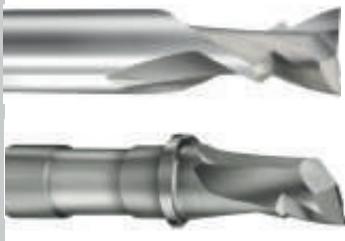
D	L2	d	LI	UPCUT PART NO.	DOWNCUT PART NO.
9.5	32	9.5	76	VOR2442	VOR2542
9.5	32	9.5	76	VOR2442L	VOR2542L
12.7	32	12.7	76	VOR2450	VOR2550
12.7	38	12.7	89	VOR2455	VOR2555
12.7	44.5	12.7	89	VOR2460	VOR2560
12.7	54	12.7	101	VOR2465	VOR2565
19	38	19	127	VOR2480	VOR2580
19	38	19	127	VOR2480L	--

## Solid Carbide Spirals



### Series 2600

#### Solid Carbide Spiral Omech Dovetail Bits



Designed for Omech dovetail machines, these solid carbide dovetail bits are extremely quiet and smooth cutting. They are manufactured with upshear or downshear geometry, designed with a 10 degree cutting angle, and are available in right or left hand rotations. The newest addition to this dovetail line is a single flute upcut dovetail bit designed for Omech machines with Eccentric spindles.

D	L2	d	LI	UPCUT PART NO.	DOWNCUT PART NO.
14	9	14	60	VOR2620	--
14	9	14	60	VOR2620L	--
14	10	14	60	VOR2630	VOR2660
14	10	14	60	VOR2630L	VOR2660L
14	15.8	14	60	VOR2640	VOR2670
14	15.8	14	60	VOR2640L	VOR2670L
14	10	12	60	VOR2680*	--

L= Left Hand Rotation

\* = Designed for Machines with Eccentric Spindles



### Series 2900

#### Two Flute Roughing Compression Spiral



This style of compression bit is manufactured exclusively for hard to cut materials. This tool is used in hogging applications where the compression geometry of the bit helps break up the cut and neutralizes the force of the bit with both upshear and downshear rotation. Can be used in solid woods, wood composites and any difficult to cut materials. This tool will produce a rippled edge cut.

D	L2	d	LI	PART NO.
9.5	28.6	9.5	76	VOR2930
9.5	22	9.5	76	VOR2985 (m)
12.7	25.4	12.7	76	VOR2935
12.7	25.4	12.7	76	VOR2989 (m)
12.7	34.9	12.7	89	VOR2952
12.7	44.5	12.7	89	VOR2960
19	50	19	101	VOR2980
19	50	19	101	VOR2980L

L= Left Hand Rotation

(m) = 6.4mm upcut for mortise cuts or thin materials

## Solid Carbide Spirals



### Series 3000 Single Edge Compression Spiral



Compression spirals are used extensively for cutting double sided laminates. These tools can also be used on natural woods where edge fuzzing is a problem with standard spiral tools. The single edge design allows for feed rates up to 450 inches per minute. This tool will leave a clean top and bottom edge cut.

D	L2	d	L1	PART NO.
6.35	22	6.4	63.5	VOR3010
6.35	22	6.4	63.5	VOR3010L
9.5	28.6	9.5	76	VOR3030
9.5	28.6	9.5	76	VOR3030L
12.7	25.4	12.7	76	VOR3035
12.7	34.9	12.7	89	VOR3052
12.7	34.9	12.7	89	VOR3052L
12.7	44.5	12.7	89	VOR3060
15.9	51	15.9	101	VOR3070
15.9	51	15.9	101	VOR3080

L = Left Hand Rotation

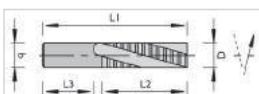


### Series 3100 Two Flute Compression Spiral



Compression means the upcut and downcut spiral flutes compress the material being cut preventing chipping or fuzzing on the top and bottom of the cut. Our unique flute geometry allows the "Viper" to cut faster and longer than other compression spirals on the market today. It also allows for extended sharpening life with excellent performance throughout the tool's useful life. Compression spirals are used extensively for cutting double sided laminates (melamine, vinyl, high pressure laminates, painted board, etc). This series of compression spirals is not recommended for cutting materials thinner than 5/8".

D	L2	d	L1	RIGHT HAND PART NO	LEFT HAND PART NO
6	25	6	64	VOR3180	--
8	28	8	64	VOR3122	--
10	35	10	76	VOR3145	--
12	35	12	76	VOR3155	--
6.4	22.2	6.4	64	VOR3110	VOR3110L
9.5	28.5	9.5	76	VOR3130	VOR3130L
12.7	25	12.7	76.2	VOR3135	VOR3135L
12.7	34.9	12.7	89	VOR3152	VOR3152L
12	25	12	76	VOR3154	--
12.7	44.5	12.7	89	VOR3160	VOR3160L
12.7	50.8	12.7	101	VOR3162	VOR3162L
16	50.4	16	101	VOR3170	VOR3170L
19	41.3	19	101	VOR3179	--
19	50.8	19	101	VOR3180	VOR3180L
19	63.5	19	127	VOR3183	VOR3183L



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## Solid Carbide Spirals



### Series 3100M

#### Two Flute Mortise Compression Spiral

HARDWOODS/PLYWOOD



Compression spirals designed for mortise cuts or cutting 5/8" or thinner material. Designed with a 1/4" upcut or less preventing chipping and fuzzing on the top and bottom of the material being cut. "Mortise Cuts" are grooves cut in the material usually at a depth equal to or slightly less than the diameter of the tool.

\* Indicates 3/16" upcut for 1/4" groove cuts or 1/4" material thicknesses.  
(m\*) = upcut length 3/16". (m) = upcut length 1/4"

D	L2	d	L1	RIGHT HAND PART NO	LEFT HAND PART NO
6	22	6	64	VOR3105(m*)	--
6.4	22.2	6.4	76	VOR3112	--
6.4	16	6.4	64	VOR3115	VOR3115L*
8	25	8	64	VOR3120	--
10	30	10	76	VOR3140(m)	--
12	25	12	76	VOR3154(m)	--
9.5	22	9.5	76	VOR3184	--
9.5	22	9.5	76	VOR3185	VOR3185L
12.7	25.4	12.7	76	VOR3187	--
12.7	25.4	12.7	76	VOR3189	VOR3189L
12.7	31.7	12.7	89	VOR3188	--
12.7	41.2	12.7	89	VOR3190	VOR3190L
14.3	25.4	12.7	76	VOR3168	VOR3168L
15.9	50.8	15.9	101	VOR3193	--
19	38.1	19	101	VOR3198	--



### Series 3100XP

#### Two flute "Xtreme Performance" Compression Spirals

MDF



"XP" - which stands for Xtreme performance - are specifically manufactured to provide maximum tool life in melamine, high pressure laminated particle board and MDF materials. Users can expect 3-5 times more tool life as compared to standard compression spiral geometry. The compression geometry will provide a chip free edge on both sides of the material being cut.

D	L2	d	L1	RIGHT HAND PART NO	LEFT HAND PART NO
9.5	28.5	9.5	76	VOR3130XP	VOR3130LXP
9.5	22	9.5	76	VOR3184XP (m*)	--
* 9.5	22	9.5	76	VOR3185XP (m)	VOR3185LXP (m)
12.7	25	12.7	76	VOR3135XP	--
12.7	25.4	12.7	76	VOR3187XP (m*)	--
12.7	25	12.7	76	VOR3189XP (m)	--
12.7	35	12.7	88	VOR3150XP (m)	--
* 12.7	34.9	12.7	89	VOR3152XP	--
12.7	41.3	12.7	89	VOR3158XP	VOR3158LXP
19	41.3	19	101.6	VOR3179XP	--
19	50.8	19	101.6	VOR3180XP	--
* 9.5	22	9.5	76	VORRB-9508XP	--

(m\*) = 4.7mm upcut length for 6.35mm material or dado cuts

(m) = 6.35mm upcut for mortise cuts or thin materials

12.7 Upcut for Extracting dust from the Groove

\*Most Popular

## Solid Carbide Spirals



### Series 3200XP Three flute "Xtreme Performance" Compression Spirals

**PARTICLE BOARD**



Our three flute "Xtreme Performance" series will provide the same tool life as our two flute XP series, however, the three flute design allows for faster feed rates. This series of tools will provide a chip free edge on both sides of the material being cut. Designed for today's high speed routers. Particle Board

D	L2	d	L1	PART NO.
9.5	22	9.5	76	VOR3284XP (m*)
9.5	22.2	9.5	76	VOR3285XP (m)
12.7	25.4	12.7	76	VOR3289XP (m)
12.7	34.9	12.7	89	VOR3252XP

(m\*) = 4.8mm upcut length for 6.35mm material or dado cuts  
(m) = 6.4mm upcut for mortise cuts or thin materials



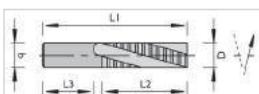
### Series 3200 Three flute Compression Spiral



One of our more popular tool designs. The three flute compression spiral allows for faster feed rates and excellent finishes on both sides of the material being cut. Designed for today's high speed routers.

D	L2	d	L1	RIGHT HAND PART NO	LEFT HAND PART NO
9.5	28.5	9.5	76	VOR3230	--
19	50.8	19	101	VOR3284 (m*)	--
9.5	22.2	9.5	76	VOR3285 (m)	VOR3285L (m)
12.7	25.4	12.7	76	VOR3235	VOR3235L
9.5	22	9.5	76	VOR3287 (m*)	--
9.5	22.2	9.5	76	VOR3289 (m)	VOR3289L (m)
12.7	35	12.7	89	VOR3252	VOR3252L
12.7	41.3	12.7	89	VOR3290 (m)	--
12	34.9	12	89	VOR3260	--
12.7	44.5	12.7	101	VOR3270	--
16	50.8	16	101	VOR3280	VOR3280L

(m\*) = 4.8mm upcut length for 6.35mm material or dado cuts  
(m) = 6.35mm upcut for mortise cuts or thin materials



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## Solid Carbide Spirals



### Series 3200C Three Flute Compression Spiral with Chipbreakers



Three flute compression design with the addition of chipbreakers which reduce fuzzing and scaling on plywoods and hardwoods while allowing for higher feed rates.

D	L2	d	L1	PART NO.
9.5	28	9.5	76	VOR3230C
9.5	22	9.5	76	VOR3285C (m)
6.4	22	9.5	76	VOR3235C
9.5	22	9.5	76	VOR3289C (m)
12.7	35	12.7	89	VOR3252C
19	50.8	19	101	VOR3280C

(m) = 6.35mm upcut for mortise cuts or thin materials  
please note: Tools with an (m) have chipbreakers ground in downcut flutes only



### Series 3300 Four Flute Compression Spiral

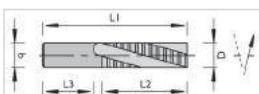
**HARDWOODS / PLYWOOD**



Four Flutes up and four flutes down! These tools were manufactured for users who want to run at extremely high feed rates. Compression spirals are used extensively for cutting double sided laminates (melamine, vinyl, high pressure laminate, painted board, etc)

D	L2	d	L1	PART NO.
12.7	25.4	12.7	76	VOR3335
12.7	25.4	12.7	76	VOR3389 (m)
12.7	35	12.7	88	VOR3352
12.7	40	12.7	88	VOR3390 (m)
12.7	44	12.7	88	VOR3360
19	51	19	101	VOR3380

(m) = 6.35mm upcut for mortise cuts or thin materials



**KEY** SEE DIAGRAM ON LEFT FOR DIMENSIONS EXAMPLE.

## Solid Carbide Spirals



### Series 3400

**HARDWOODS/PLYWOOD**

#### Two flute Compression Spiral with chipbreaker



The "Viper Plus" incorporates the compression spiral design with chipbreakers staggered in the cutting edges. Recommended for double sided laminated materials in high production environments. Excellent tool for hardwood plywoods, such as baltic birch, where edge fuzzing is a problem. This tool will leave a clean edge cut.

D	L2	d	LI	RIGHT HAND PART NO	LEFT HAND PART NO
8	27	8	64	VOR3422	--
9.5	27	9.5	76	VOR3430	--
9.5	22	9.5	76	VOR3485 (m)	--
10	30	10	76	VOR3445	--
12	35	12	88	VOR3455	--
12.7	25.4	12.7	76	VOR3435	--
12.7	25.4	12.7	76	VOR3489 (m)	--
12.7	34.9	12.7	88	VOR3452	--
12.7	44.4	12.7	88	VOR3460	--
16	50.8	16	101.6	VOR3470	--
19	50.8	19	101.6	VOR3480	VOR3480L
19	64	19	127	VOR3483	VOR3483L

(m) = 6.35mm upcut for mortise cuts or thin materials  
 please note: Tools with an (m) have chipbreakers ground in downcut flutes only



### Series 3400XP

#### Two Flute "Xtreme Performance" Compression Spiral w/chipbreakers

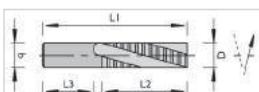


"XP" - which stands for Xtreme Performance - are specifically designed to provide as much as 3-5 times more tool life than standard compression geometry. The chipbreaker design allows for free cutting action in solid wood and plywood materials.

**Plywood with HPL**

D	L2	d	LI	PART NO.
<b>*9.5</b>	<b>22</b>	<b>9.5</b>	<b>76</b>	<b>VOR3185XP-CB</b>
9.5	28.5	9.5	76	VOR3430XP
9.5	22	9.5	76	VOR3485XP (m)
12.7	25	12.7	76	VOR3435XP
12.7	25	12.7	76	VOR3487XP (m*)
12.7	25	12.7	76	VOR3489 (m)
12.7	34.5	12.7	89	VOR3452XP

**\* Most Popular**  
 (m\*) = 4.8mm upcut for 6.35mm material or dado cuts  
 (m) = 6.35mm upcut for mortise cuts or thin materials  
 Please note: Tools with an (m) or (m\*) have chipbreakers ground in downcut flutes only.



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) LI = Overall Length (mm)

## Solid Carbide Spirals



### Series 3500

#### Four Flute "Tornado" Compression



Another Industry First! The Vortex "Tornado" roughing/fishing tool is the fastest cutting router bit in the world. If you have the machine to do it, we have got the tool. With increased feed speeds (as much as 3500 IPM), this tool will provide a clean cut on double sided materials such as melamine and formica laminated particle board.

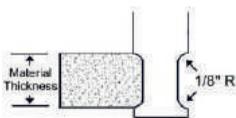
D	L2	d	LI	RIGHT HAND PART NO	LEFT HAND PART NO
12.7	25	12.7	76	VOR3535	--
12.7	25	12.7	76	VOR3589(m)	--
12.7	34.5	12.7	89	VOR3552	VOR3552L
12.7	44	12.7	89	VOR3560	--
15.9	51	15.9	101	VOR3570	--
19	51	19	101	VOR3580	VOR3580L
19	63.5	19	125	VOR3583	--

(m) = 6.35mm upcut for mortise cuts or thin materials



### Series 3600

#### Two Flute Eased Edge Profile Spiral



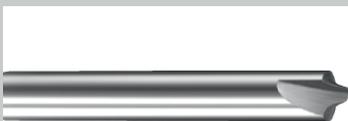
This solid carbide two flute upcut double eased edge profile bit will provide extremely clean finishes in shallow profiles with a maximum depth of 1/8". Specially manufactured and designed for the furniture industry. Can be used in all type of wood materials.

D	d	LI	RADIUS	MATERIAL THICKNESS	PART NO
19	12.7	101	3.2	12.7	VOR3640
19	12.7	101	3.2	15.9	VOR3650
19	12.7	101	3.2	19	VOR3660
19	12.7	101	3.2	25	VOR3670
19	12.7	101	3.2	28.5	VOR3680



### Series 3700

#### Solid Carbide Veining Bits



Solid carbide veining bits are designed to make decorative cuts in a wide variety of materials. Tools are end cutting so they can plunge and be used to groove material while rounding the top edges of the slot.

D	LI	d	R	PART NO
6.4	50.8	2.4	3.2	VOR3710
6.4	50.8	2.4	4.7	VOR3720
9.5	76	3.2	6.4	VOR3730

## Solid Carbide Spirals



### Series 3700

#### Solid Carbide Engraving Bits



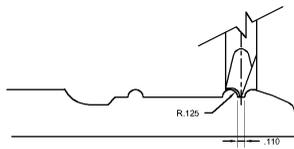
These half round engraving tools offer a wide range of tip sizes and angles to accommodate many engraving styles.

D	LI	TIP DIAMETER	ANGLE	PART NO
6.4	51	0.5	30°	VOR3731
6.4	51	1	30°	VOR3733
6.4	51	1.52	30°	VOR3735
6.4	51	.5	60°	VOR3740
6.4	51	1	60°	VOR3743
6.4	51	1.52	60°	VOR3745



### Series 3700

#### Solid Carbide Beading Bits



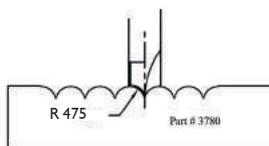
Beading bits are designed to cut decorative beads in a wide variety of materials.

D	d	LI	RADIUS	PART NO
12.7	3.17	76	2.78	VOR3750
12.7	3.17	76	4.75	VOR3760
12.7	3.17	76	6.35	VOR3770



### Series 3700

#### Solid Carbide Point Cutting Round Overs



Point cutting round over bits are used for decorative trimming and lettering.

d	LI	RADIUS	PART NO
9.5	76	2.78	VOR3775
9.5	76	4.75	VOR3780
12.7	76	6.35	VOR3785

## Solid Carbide Spirals



### Series 3800

#### Solid Carbide V-Point Bit

WOOD  
LAMINATES/FOAM COMPOSITES



These tools are designed for v-grooving or bevelling of natural wood, wood composites, laminated and veneered materials, plastics and solid surface. They are available in 60 and 90° included angles and are manufactured with a slight shear angle for chip removal.

D	L2	d	L1	ANGLE	PART NO
6.4	12.7	6.4	76	60°	VOR3830
6.4	12.7	6.4	76	90°	VOR3835
9.5	15.9	9.5	76	60°	VOR3840
9.5	15.9	9.5	76	90°	VOR3845
12.7	15.9	12.7	76	60°	VOR3850
12.7	15.9	12.7	76	90°	VOR3855
6	12	6	64	60°	VOR3860
6	12	6	64	90°	VOR3865
12	16	12	76	60°	VOR3870
12	16	12	76	90°	VOR3875



### Series 3800

#### Solid Carbide V-Point Bits with flat



Designed for cutting aluminium/plastic sandwich materials like Alucobond, Dibond, etc with a 90 degree angle and flat bottom and shear cut.

LARGE DIAMETER	SMALL FLAT	ANGLE	DOC	D	L2	PART NO
12.7	2.38	90°	5.16	12.7	76	VOR3880



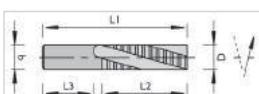
### Series 3900

#### Solid Carbide Compression Door Bit



This door bit is favoured by customers cutting lock set and light openings on wood veneered and wood core doors using a CNC, point to point, or KVAL machine. This tool is designed to cleanly cut the top and bottom edge on all common wood door cores; from particle core, stave core, LVL core and even mineral core doors. Not for use in steel doors.

D	L2	d	L1	PART NO.
6	12	6	64	VOR3950



**KEY** SEE DIAGRAM ON LEFT FOR DIMENSIONS EXAMPLE.

## Solid Carbide Spirals



### Series 4000

#### Double Edge Straight Flute Wood Router



Straight flute tools combine the rigidity of solid carbide tooling with traditional straight flute geometry. A popular tool design for general purpose routing. Used when you don't want the axial force or thrust of an upcut or downcut spiral.

D	L2	d	L1	RIGHT HAND PART NO	LEFT HAND PART NO
4	16	6	64	VOR4005	--
5	20	6	64	VOR4006	--
6	25	6	64	VOR4008	--
12	16	6.4	76	VOR4010	--
12.7	16	6.4	76	VOR4020	VOR4020L
8	25	6	76	VOR4022	VOR4020L
6.4	22	6.4	63	VOR4030	--
6.4	28	6.4	76	VOR4033	VOR4033L
9.5	25	9.5	76	VOR4037	--
4.7	19	9.5	50.8	VOR4040	VOR4040L
10	35	10	76	VOR4046	VOR4040L
6.35	25	6.4	76	VOR4047	--
6.35	28	6.4	76	VOR4050	--
12	35	12	88	VOR4053	--
9.5	25.4	9.5	76	VOR4070	--
9.5	32	9.5	76	VOR4080	--



### Series 4100

#### Solid Carbide High Helix Foam Bits

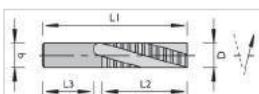
**WOOD  
LAMINATES/FOAM COMPOSITES**



These tools have been specifically designed for cutting low density foam materials at high feed rates. This series of tools is recommended for "closed cell" foam applications. These tools have an open flute geometry and high helix angle that "augers out" material. Other sizes available upon request. Polystyrene.

D	L2	d	L1	PART NO.
6.4	50	6.4	101	VOR4135*
9.5	38	6.4	76	VOR4140
12.7	44	12.7	88	VOR4160
12.7	58	12.7	101	VOR4165
19	82	19	150	VOR4185*

\* = Not guaranteed against breakage due to extreme cutting edge length



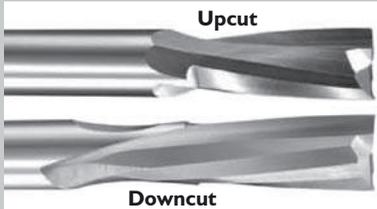
**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)



## Series 4200/4300

### Two Flute Low Helix Finishers

**HARD PLASTIC. ACRYLIC.  
ALUMINIUM (ALUBOND)**



Our double edge low helix spirals are recommended for cutting hard plastics, such as acrylic and phenolics. The lower helix angle produces less "lifting" and "fluttering" on plastic material. Tools are extremely sharp, producing very clean edges on plastic materials requiring little secondary work. These bits also provide great finishes in hardwoods and is recommended for "open cell" foam applications

D	L2	d	LI	UPCUT PART NO.	DOWNCUT PART NO.
4.7	15.9	6.4	64	VOR4220	VOR4320
6	20	6	64	VOR4208	--
6	20	6	64		VOR4308
6.4	19.1	6.4	76	VOR4233	VOR4333
6.4	10	6.4	76	VOR4230L	--
6.4	10	6.4	76	VOR4230	VOR4330
7.9	25.4	7.9	76	VOR4235	VOR4335
10	25.4	10	76	VOR4240	VOR4340
10	25	10	76	VOR4246	VOR4346
12	35	12	88	VOR4253	--
12	35	12	88	--	VOR4353
12.7	25.4	12.7	76 & 89	VOR4245	VOR4345
12.7	32	12.7	89	--	VOR4350L
12.7	32	12.7	89	VOR4250	VOR4350
12.7	44.5	12.7	102	VOR4260	VOR4360
12.7	44.5	12.7	102	VOR4260L	--
19.1	64	19.1	127 & 152	VOR4280	VOR4380

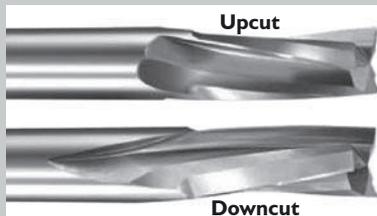
L= Left Hand Rotation



## Series 4400/4500

### Three Flute Low Helix Finishers

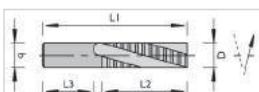
**HARDWOODS/PLYWOOD  
ACRYLICS/PHENOLICS**



The combination of the low helix angle and flute geometry make these tools "razor" sharp. They are recommended as a super finishing tool for acrylic, phenolics, UHMW, solid surface and dense hardwoods. The three flute geometry provides faster feed rate capability, while producing ultra smooth finishes. Himax and Corian

D	L2	d	LI	UPCUT PART NO.	DOWNCUT PART NO.
6.4	9.5	6.4	76	VOR4430	VOR4530
6.4	19	6.4	76	VOR4433	VOR4533
8	25	8	76	VOR4435	VOR4535
9.5	16	9.5	76	VOR4438	VOR4538
9.5	25	9.5	76	VOR4440	VOR4540
12.7	25	12.7	76/88	VOR4445	VOR4545
12.7	32	12.7	88	VOR4450	VOR4550
12.7	44	12.7	101	VOR4460	VOR4560
12.7	44	12.7	101	VOR4460L	VOR4560L
19	63	19	125/150	VOR4480	VOR4580

L= Left Hand Rotation



**KEY** SEE DIAGRAM ON LEFT FOR DIMENSIONS EXAMPLE.



## Series 5000 & 5100 Two Flute “Low Helix” Roughers



Roughing tools are designed for high feed rates on CNC routers and are used when surface finish is not important in dense materials such as hardwoods, particle board, and plywood. The low helix design of these tools is a less aggressive version of series 1000/1100 and 1600/1700. They will produce less “lifting and fluttering” of the material. These tools will produce a rippled edge cut and are extremely quiet and smooth cutting even in heavy cuts and high feed rates.

D	L2	d	LI	UPCUT PART NO.	DOWNCUT PART NO.
12.7	32	12.7	89	VOR5050	VOR5150
12.7	44	12.7	101	VOR5060	VOR5160
12.7	64	12.7	127/152	VOR5080	VOR5180



## Series 5200 & 5300 Three Flute “Low Helix” Roughers



D	L2	d	LI	UPCUT PART NO	DOWNCUT PART NO.
9.5	25	9.5	76	VOR5240	VOR5340
12.7	32	12.7	89	VOR5250	VOR5350
12.7	44	12.7	89-101	VOR5260	VOR5360
19	63	19	127-152	VOR5280	VOR5380



## Series 5400 Single Edge “O” Flute Straight

**SOFT PLASTIC, ACRYLIC, ALUMINIUM (ALUCOBOND)**



“O” flute tools create the perfect curled chip that allows the softer plastic to be cut without chip re-welding. Ideally suited to plastic materials that form curled chips as opposed to fractured chips. The straight flute design does not impart “up” or “down” forces into the part being routed. Therefore, ideally suited for irregularly shaped parts not capable of being thoroughly held in place by vacuum or fixturing.

D	L2	d	LI	RIGHT HAND PART NO	LEFT HAND PART NO
1.6	6.4	3.2	38	VOR5404	--
3.2	6.4	6.4	52	VOR5409	--
3.2	12	6.4	52	VOR5410	VOR5410L
3.2	16	6.4	100	VOR5412*	--
4	16	6.4	52	VOR5415	VOR5415L
4.7	9.5	6.4	50.8	VOR5418	--
4.7	16	6.4	52	VOR5420	VOR5420L
4.7	25.4	6.4	101	VOR5422*	VOR5422L*
6.4	9.5	6.4	64	VOR5430	--
6.4	19	6.4	64	VOR5433	VOR5433L
6.4	25	6.4	63	VOR5434	--
6.4	19	6.4	82	VOR5435	--
6.4	32	6.4	82	VOR5437	--
6.4	25	6.4	100	VOR5440	--
9.5	32	9.5	76	VOR5443	--
12.7	32	12.7	76	VOR5453	VOR5453L
12.7	44	12.7	101	VOR5454	VOR5454L
3	8	6	64	VOR5460	VOR5460L
4	16	6	64	VOR5470	VOR5470L
5	20	6	64	VOR5475	VOR5475L
6	25	6	64	VOR5480	VOR5480L
8	25	8	64	VOR5485	--
10	30	10	75	VOR5490	--

\* Not guaranteed against breakage due to extreme cutting edge length L= Left Hand Rotation



## Series 5500

### Double Edge "O" Flute Straight

SOFT PLASTIC  
HARD PLASTIC



The double edge "O" flute offers the same cutting characteristics as the single edge "O" flute design, but can provide additional life in some materials. Two cutting edges reduce chip loads and produce a stronger cross section. Usually works better on slightly harder plastics.

D	L2	d	L1	RIGHT HAND PART NO	LEFT HAND PART NO
3.2	6.4	6.4	52	VOR5509	--
3.2	12.7	6.4	52	VOR5510	VOR5510L
3.2	15.9	6.4	101	VOR5512*	--
4.7	9.5	6.4	50.8	VOR5518	--
4.7	16	6.4	52	VOR5520	--
4.7	25	6.4	101	VOR5522*	--
6.4	9.5	6.4	63	VOR5530	--
6.4	19	6.4	63	VOR5533	VOR5533L
6.4	25.4	6.4	64	VOR5534	VOR5534L
4.7	19	6.4	82.5	VOR5535	--
6.4	32	6.4	82	VOR5537	VOR5537L
6.4	25.4	6.4	102	VOR5540	VOR5540L
9.5	32	9.5	76	VOR5543	--
12.7	32	12.7	76	VOR5553	--
12.7	44.5	12.7	101.6	VOR5554	VOR5554L
4	16	6	64	VOR5570	--
5	20	6	64	VOR5575	--
6	25	6	64	VOR5580	--
8	25	8	64	VOR5585	VOR5470L
10	30	10	76	VOR5590	--

\* Extreme cutting edge length – not guaranteed against breakage.



## Series 5600

### Single Edge "O" Flute Upcut Spiral

HARD PLASTIC  
ALUMINIUM



These tools provide good clean cuts in hard plastics while allowing the choice of upward chip removal; which can enhance surface finish. Tools which have an "S" behind the part number were manufactured with specific geometry for cutting softer plastics.

D	L2	d	L1	RIGHT HAND PART NO	LEFT HAND PART NO
3.2	6.35	6.4	50.8	VOR5609	--
3.2	12.7	6.4	50.8	VOR5610	VOR5610L
4.7	9.5	6.4	50.8	VOR5618	--
4.7	16	6.4	50.8	VOR5620	--
5.5	19	6.4	63.5	VOR5621	--
6.4	9.5	6.4	63.5	VOR5625H	--
6.4	19	6.4	64	VOR5630H	--
6.4	19	6.4	64	VOR5630S	--
6.4	31.8	6.4	82.5	VOR5632H	VOR5632HL
6.4	31.8	6.4	82.5	VOR5632S	--
9.5	31.8	9.5	76	VOR5640	VOR5640L
12.7	32	12.7	75	VOR5650	--
2	8	6	64	VOR5655	--
3	8	6	64	VOR5660	--
3.3	12	6	64	VOR5663	--
4	8	6	64	VOR5668	--
4	16	6	64	VOR5670	--
5	8	6	64	VOR5672	--
5	16	6	64	VOR5675	--
6	10	6	64	VOR5677	--
6	16	6	64	VOR5678	--
6	25	6	64	VOR5680	--
8	25	8	64	VOR5685	--
10	30	10	76	VOR5690	--

L= Left hand Rotation

S= Specifically manufactured for cutting softer plastics

H= Specifically manufactured for cutting harder plastics

## Solid Carbide Spirals



### Series 5600A - Aluminium

#### Single Edge "O" Flute Upcut Spiral



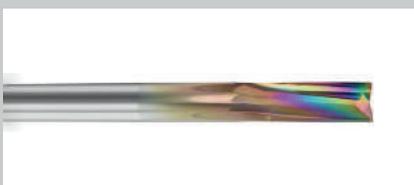
This series of tools have specific geometry for optimal finish and chip evacuation for machining most sheet, block and extrusion grades of aluminium. These tools are designed to give you maximum feed rates in all CNC applications that involve cutting aluminium.

D	L2	d	L1	PART NO.
3.2	6.35	6.35	50.8	VOR5609A
3.2	2.7	6.35	50.8	VOR5610A
4.76	9.52	6.35	50.8	VOR5618A
4.76	15.8	6.35	50.8	VOR5620A
6.35	9.52	6.35	63.5	VOR5625A
6.35	9.05	6.35	63.5	VOR5630A
9.52	22.2	9.5	76.2	VOR5640A
12.7	25.4	12.7	76.2	VOR5650A
3	8	6	64	VOR5660A
4	8	6	64	VOR5668A
5	16	6	64	VOR5675A
6	16	6	64	VOR5680A
8	20	8	64	VOR5685A
8	13	8	76	VORRB-8782
10	22	10	76	VOR5690A



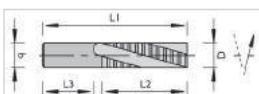
### Series 5800TSA

#### Double Edge Design for Aerospace Aluminium Sheet Material



This series of aluminium cutting bits are designed specifically for Aerospace aluminium sheet material. A wide variety of grades in various states of hardness were provided by an internationally renowned aircraft manufacturer. After extensive testing on our in-house CNC, we developed the specific TSA geometry to perform well in all grades and hardnesses of Aerospace grade aluminium.

D	L2	d	L1	PART NO.
6.4	6.4	6.4	63.5	VOR5825TSA
6.4	9.5	6.4	63.5	VOR5830TSA
9.5	9.5	9.5	63.5	VOR5840TSA



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## Solid Carbide Spirals



### Series 5700

### Single Edge "O" Flute Downcut Spiral

**HARD PLASTIC  
ALUMINIUM**



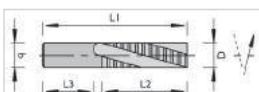
These tools provide good clean cuts in hard plastics, as well as Aluminium, while allowing the choice of downward chip removal which can enhance surface finish. Tools which have an "S" behind the part number were manufactured with specific geometry for cutting softer plastics.

D	L2	d	L1	PART NO.
3.2	10	6.4	50.8	VOR5709
3.2	12.7	6.4	50.8	VOR5710
3.2	12.7	6.4	50.8	VOR5710L
4.7	9.5	6.4	50.8	VOR5718
4.7	16	6.4	50.8	VOR5720
5.5	19	6.4	63.5	VOR5721
6.4	19	6.4	63.5	VOR5725H
6.4	19.1	6.4	64	VOR5730H
6.4	19	6.4	64	VOR5730S
6.4	31.8	6.4	82.5	VOR5732H
6.4	31.8	6.4	82.5	VOR5732S
9.5	31.8	9.5	76	VOR5740
12.7	32	12.7	75	VOR5750
2	8	6	64	VOR5755
3	8	6	64	VOR5760
3	12	6	64	VOR5763
4	8	6	64	VOR5768
4	16	6	64	VOR5770
5	8	6	64	VOR5772
5	16	6	64	VOR5775
6	10	6	64	VOR5777
6	16	6	64	VOR5778
6	25	6	64	VOR5780
8	25	8	64	VOR5785
10	30	10	76	VOR5790

L= Left hand Rotation

S= Specifically manufactured for cutting softer plastics

H= Specifically manufactured for cutting harder plastics



**KEY** SEE DIAGRAM ON LEFT FOR DIMENSIONS EXAMPLE.

## Solid Carbide Spirals



### Series 5800/5900 Double Edge "O" Flute Spirals

**HARD PLASTIC**



Developed for cutting harder plastics, such as acrylic, at faster feed rates with a smooth finish. Ideal for CNC applications. Now manufactured with a polished flute to reduce friction inside the cutting edge, run cooler and adding lubricity without the use of coatings. Choose upcut for upward chip removal or downcut for better part hold down.

D	L2	d	LI	UPCUT PART NO.	DOWNCUT PART NO.
6.35	9.5	6.35	63.5	VOR5830	VOR5930
6.35	19	6.35	76	VOR5833	VOR5933
6.35	19	6.35	76	--	VOR5933L
7.9	12.7	9.5	76	VOR5835	--
9.5	19	9.5	76	VOR5840	VOR5940
9.5	31.8	9.5	76	VOR5843	VOR5943
12.7	31.8	12.7	76	VOR5853	VOR5953
6	25	6	64	VOR5880	VOR5980
8	25	8	64	VOR5885	VOR5985

L= Left hand Rotation



### Series 6000 Edge Rounding Bits for Plastic

Single Edge 6010-6020



Upcut-6030-6045

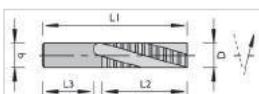


Downcut-6050-6065



These solid carbide tools were designed for rounding the edge of plastics sheets or parts. The double edge low helix design provides ultra smooth cuts while allowing for upward or downward chip removal.

SM DIA	D	LI	OPENING	RADIUS	# FLUTES	TYPE	PLASTIC SIZE	PART NO
4.8	6.4	64	3.96	3.2	1	STRAIGHT	3.2	VOR6010
4.2	6.4	64	5.5	4.7	1	STRAIGHT	4.7	VOR6015
4.3	6.4	64	7.14	6.4	1	STRAIGHT	6.4	VOR6020
8.2	9.5	64	3.96	3.2	2	UPCUT	3.2	VOR6030
7.6	9.5	64	5.5	4.7	2	UPCUT	4.7	VOR6035
7.2	9.5	64	7.14	6.4	2	UPCUT	6.4	VOR6040
9.4	12.7	76	10.32	9.5	2	UPCUT	9.5	VOR6045
8.2	9.5	64	3.96	3.2	2	DOWNCUT	3.2	VOR6050
7.6	9.5	64	5.5	4.7	2	DOWNCUT	4.7	VOR6055
7.2	9.5	64	7.14	6.4	2	DOWNCUT	6.4	VOR6060
9.4	12.7	76	10.32	9.5	2	DOWNCUT	9.5	VOR6065



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) LI = Overall Length (mm)



## Series 6100/6200

PHENOLIC/COMPOSITES

### Three Flute Phenolic/Composites Spirals



Three flute low helix geometry provides excellent finish and extra life when cutting phenolic and composite materials at high feed rates. This tool series will provide a smooth edge cut. The free cutting action of these tools provides better finishes and significantly lower noise levels.

D	L2	d	LI	UPCUT PART NO.	DOWNCUT PART NO.
9.5	22.2	9.5	76	VOR6140	VOR6240
12.7	22.2	12.7	76	VOR6150	VOR6250
12.7	31.7	12.7	89	VOR6155	VOR6255
12.7	54	12.7	101.6	VOR6165	VOR6265



## Series 6300

### Medium Burr w/Plunge Point - No Flutes



Vortex has developed several new series of tools specifically designed for cutting fiberglass materials as well as composites. Choose between no flute burr design, straight flute or compression flute where top and bottom surface quality is a concern. Material must be made of all one type and not contain wood, plastic or aluminium components.

D	L2	d	LI	PART NO.
6.4	19	6.4	63	VOR6330
9.5	22	9.5	63	VOR6340
12.7	25	12.7	76	VOR6350



## Series 6400

### Medium Burr w/Plunge Point - Two Flutes



D	L2	d	LI	PART NO.
6.4	19	6.4	63	VOR6430
9.5	22	9.5	63	VOR6440
12.7	25	12.7	76	VOR6450



## Series 6500

### Medium Burr Compression - Two Flutes



D	L2	d	LI	PART NO.
6.4	19	6.4	63	VOR6530
9.5	25	9.5	76	VOR6540
12.7	25	12.7	76	VOR6550



## Series 6600 Three Wing Slotting Cutters



Three wing slotting cutters are constructed from a precision machined one piece alloy steel body and brazed carbide tipped. Suitable for flush trimming and horizontal slots in materials up to 3/4" deep. Designed to cut wood, wood composites and plastic

D	KERF	d	DEPTH OF CUT	PART NO
50.8	1.9	12.7	19	VOR6600
50.8	2.4	12	19	VOR6605
50.8	3.2	3.2	19	VOR6610
50.8	4.7	4.7	19	VOR6615
50.8	6.4	6.4	19	VOR6620



## Series 6800 Solid Carbide Upcut Bottom Surfacing Cutter Series



Designed for pocketing applications where the bottom of the pocket must be smooth. Can be used in both wood and plastic material.

D	L2	d	LI	RADIUS	PART NO
3.17	9.52	6.35	50.80	0.25°	VOR6810
6.35	9.52	6.35	63.50	0.25°	VOR6825
6.35	9.52	6.35	63.50	0.76°	VOR6830
9.52	15.87	9.52	63.50	0.25°	VOR6835
9.52	15.87	9.52	63.50	0.76°	VOR6840
12.70	22.22	12.7	76.20	0.25°	VOR6845
12.70	22.22	12.7	76.20	0.76°	VOR6850
12.70	22.22	12.7	76.20	1.52°	VOR6855
19.05	28.57	19.05	101.60	0.76°	VOR6880



## Series 6800 Low helix Design specially designed for plastics

Designed for pocketing applications where the bottom of the pocket must be smooth.

D	L2	d	LI	RADIUS	PART NO
6.35	9.52	6.35	76.20	0.25°	VOR6820
6.35	19.05	6.35	76.20	0.25°	VOR6826
9.52	25.40	9.52	76.20	0.25°	VOR6833
9.52	25.40	9.52	76.20	0.76°	VOR6837
12.70	31.75	12.70	89.90	0.25°	VOR6842
12.70	31.75	12.7	89.90	0.76°	VOR6846
12.70	31.75	12.7	89.90	1.52°	VOR6848
19.05	31.75	19.05	101.60	0.76°	VOR6870
19.05	31.75	19.05	101.60	1.52°	VOR6875

## Plexi-Point Drills



### Plexi-Point Drills High Speed Steel



Drills are specially pointed to reduce chipping when drilling through glass or other hard plastics. Available in fractional, number, metric and letter sizes.

DRILL SIZE	FLUTE LENGTH	LI	PART NO
1.59	22.23	47.62	VORI4400062
1.98	25	50.8	VORI4400078
2.38	31.75	57.2	VORI4400093
2.78	38.1	66.6	VORI4400109
3.17	41.2	79.3	VORI4400125
4.76	58.74	89	VORI4400187
5.56	63	95	VORI4400218
6.4	70	101	VORI4400250
7.14	74.6	107.4	VORI4400281
7.94	80.95	113.7	VORI4400312
9.52	92.1	126	VORI4400375
11.11	103.2	139.7	VORI4400437
12.7	114.3	150	VORI4400500
2	23.8	49.2	VORI4400787
2.5	30.2	57.2	VORI4400984
3	33.34	61.2	VORI4400118
3.5	44	73	VORI4400137
4	48.9	74.6	VORI44001575
4.5	55.56	85.72	VORI4400177
5	52.38	85.72	VORI44001968
5.5	57.2	92.8	VORI4400216
6	57.2	92.8	VORI4400236
6.5	72.8	104.8	VORI4400255
7	69	108.75	VORI4400275
8	74.6	116.7	VORI4400315
9	80.96	124.6	VORI4400354
9.5	80.96	124.6	VORI4400374
10	87.3	132.4	VORI4400393
11	93.66	142.01	VORI4400433
12	100.8	186.07	VORI4400472
13	100.8	186.07	VORI4400511

*\*\*Other sizes available upon request  
Letter and Number sizes also available*

## Replaceable Knife Router Bits



### Series 7000

Insert V-Groove Cutters  
45° Angle (90° Included Angle)



A series of insert router bits ideal for v-groove operations where the material is to be folded! The angle of the insert is constant and accurate right down to the point of the tool 45 Degree angle inserts and reversible. Tool body comes complete and ready to use with insert, screws, and wrench.

DIA	DOC	D	INSERT #	PART NO.
38	18.54	12.7	VORIVB-30	VOR7050
57	25.4	12.7	VORIVB-40	VOR7055
57	25.4	19	VORIVB-40	VOR7060
76	31.75	19	VORIVB-50	VOR7065



### Series 7000

22.5 Angle (45° Incuded Angle)  
30° Angle (60° Included Angle)  
60° Angle (120° Included Angle)



DIA	DOC	D	ANGLE	INSERT #	PART NO
50.8	15.9	12.7	22.5°	VORIVB-10	VOR7075
50.8	25.4	12.7	22.5°	VORIVB-20	VOR7080
50.8	24.5	12.7	30°	VORIVB-20	VOR7085
87.3	23	19	60°	VORIVB-50	VOR7090

## Replaceable Knife Router Bits



### Series 7000

#### Insert Spoilboard Cutters



Used for surfacing MDF, particle board and balsa core. The straight face design provides a fast and clean cut. The body has been designed so that the insert remains in place and does not "pivot" on the cutter. Available in 2 or 3 wing geometries and 1/2" or 3/4" shank diameters

DIA	DOC	D	# WINGS	PART NO.
63	12.7	12.7	2	VOR7025
*76	12.7	19	3	VOR7030
*101	12.7	19	3	VOR7040

\* **Most Popular**



### Series 8000

#### HSK63F Integrated Spoilboard Cutters



Vortex is now offering our spoilboard cutters with our newly developed "integrated" tool design. This series is a solid, one piece unit with HSK63F taper "built in" to the tool. The one piece design affords superior performance and years of worry free use which will greatly reduce wear and tear on your machine spindle over time.

DIA	DOC	TAPER	FLANGE LENGTH	# WINGS	PART NO
76	12.7	HSK63F	85mm	3	VOR8030
101	12.7	HSK63F	85mm	3	VOR8040
101	12.7	HSK63F	115mm	3	VOR8045

## Flat Table Dovetail Drawer System



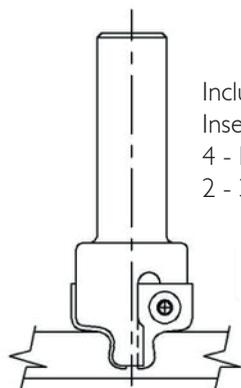
### Flat Table Dovetail Drawer System



Now you have the ability to use your flat table router to make Dovetail Drawer Boxes. This "tooling system" will allow users to quickly and easily make dovetail drawer components with a nested base format. Available in two dovetails designs; the traditional square edge and the new rounded edge. The body is manufactured to accept both styles of insert and has a 19mm shank diameter. Sold separately or as a kit.

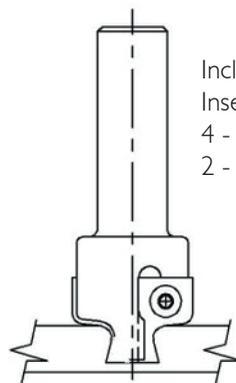


#### Kit #7500 - Round Edge



Includes:  
 Insert Body 9101  
 4 - INS-9101 Inserts  
 2 - 3115 (6.35 mm compression spirals)

#### Kit #7600 - Square Edge



Includes:  
 Insert Body 9101  
 4 - INS-9282 Inserts  
 2 - 3115 (6.35 mm compression spirals)

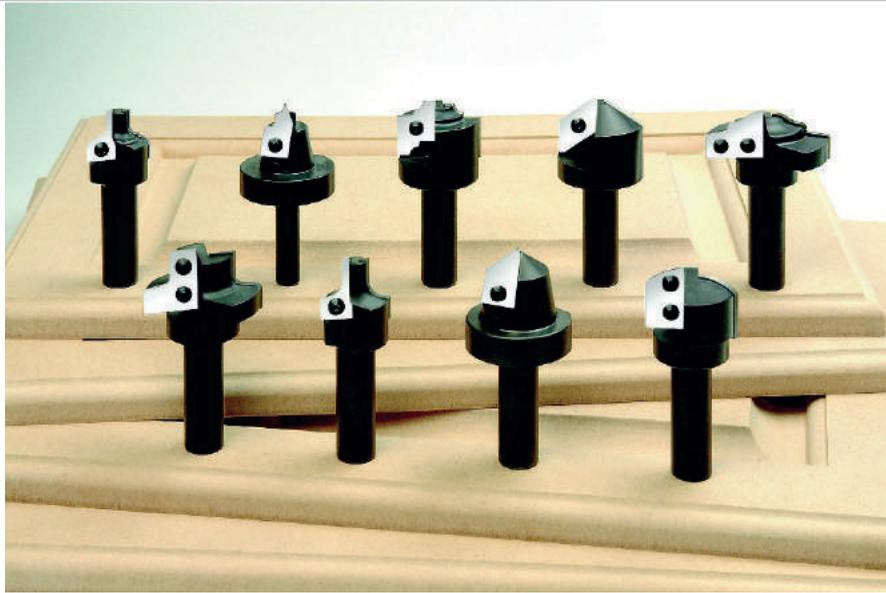
\*\* Also available in 15.9mm and 12.7 mm shank diameters upon request

## Door Sets

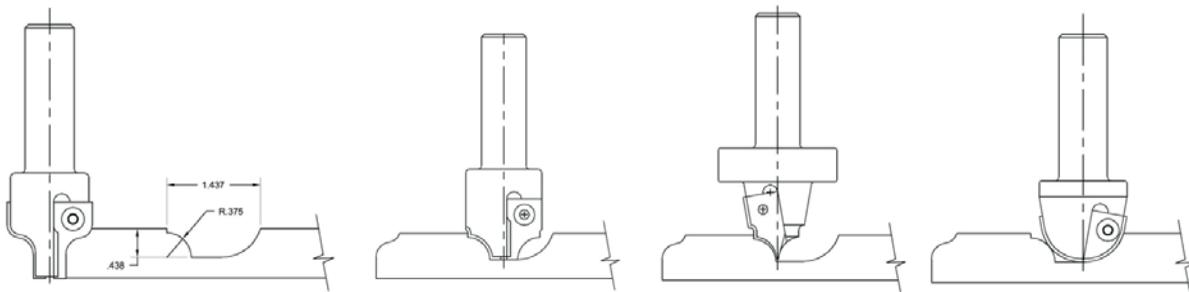


### Series 7900

#### Four Piece Insert MDF Door Set



By using tools in combination you can create solid doors with the appearance of five piece construction. By selecting a few different patterns, you can mix and match profiles to make hundreds of different door designs. This set comes complete with four insert bodies and the inserts shown below. All tools have a 19mm shank diameter.



**MDF Raise  
Outside Door Edge**

Body Part #7962  
Insert Part #INS-7962  
(5 other Outside Door  
Edge profiles available  
See Page 33)

**MDF Raise  
Inside Rough**

Body Part #7964  
Insert Part #INS-7964  
(6.4mm radius Inside  
Rough profile also  
available  
See page 34)

**MDF Raise  
Inside Corner Cleaner**

Body Part #7965  
Insert Part #INS-7965  
(6.4mm radius Corner  
Cleaner profile also  
available  
See Page 34)

**MDF Raise  
Raised Panel**

Body Part #7963  
Insert Part #INS-7963

## Door Cabinets



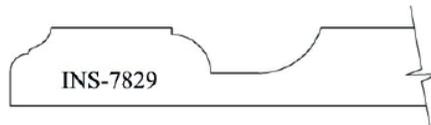
### MDF Outside Door Edges

Body Part #7962

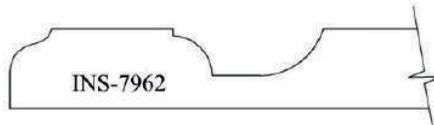


Designed so that one body accepts all outside door edge profiles! Our outside edge router bit separates and profiles at the same time. We have utilized our unique capture groove system to maintain a small cutting diameter while providing two cutting edges. This tool has a 19mm shank diameter with a 12.7mm small diameter and is designed to cut through .010" on 19mm thick material.

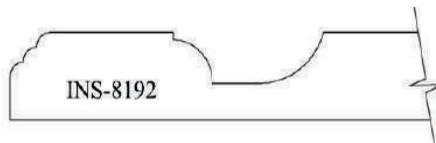
**INSERT PART #**  
INS-7829



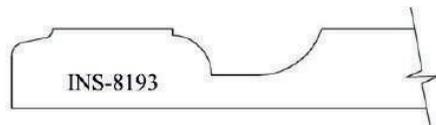
**INSERT PART #**  
INS-7962



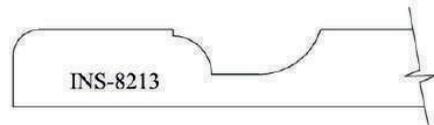
**INSERT PART #**  
INS-8192



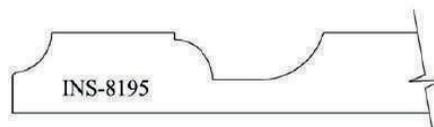
**INSERT PART #**  
INS-8193



**INSERT PART #**  
INS-8213



**INSERT PART #**  
INS-8195



## Door Profiles

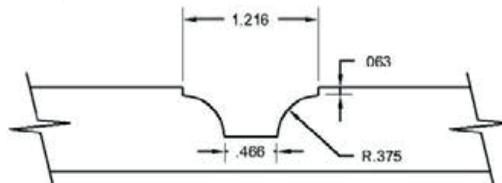
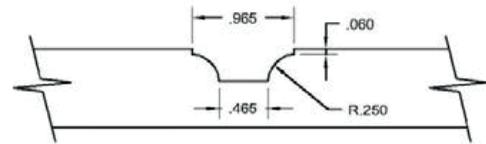
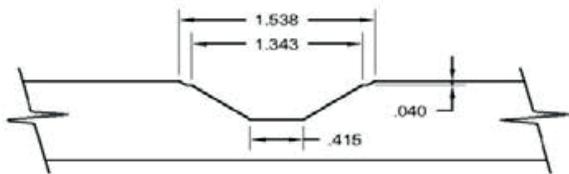


### MDF Inside Door Profiles Inside Roughing Profile



These "multiple" pass cutter sets can be used in combination to rough out and corner clean to provide the appearance of a square inside corner. Combine with a raised panelcutter to complete the look of a five piece assembled door. Bead profile (7964) will accept both a small bead (6.4mm radius) or a large bead (9.5mm radius) insert so one tool can do both profiles.

INSERT PART NO	d	INSIDE PROFILE	BODY PART NO
INS-7960	19	Bevel	VOR7960
INS-7964	19	Large Bead (9.5 R)	VOR7964
INS-9358	19	Small Bead (6.4 R)	VOR7964



### Inside Corner Cleaning Profiles



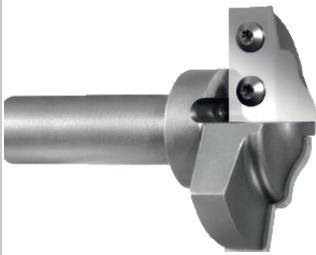
Used to clean the inside corners after the above tool has "roughed out" the material. This tool will create the look of a five piece assembled door.

INSERT PART NO	d	INSIDE PROFILE	BODY PART NO
INS-7961	19	Bevel	VOR7961
INS-7965	19	Large Bead (9.5 R)	VOR7965
INS-9357	19	Small Bead (6.4 R)	VOR7965

## MDF Panel Raise Profiles



### MDF Panel Raise Profiles



Complete your MDF door by adding even more detail by selecting from one of the following panel raise patterns. All cutters are balanced to a G2.5 or better rating. These cutters are designed to be used in conjunction with the "multiple pass" inside profiles.

INSERT PART NO

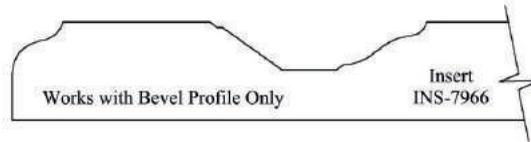
d

BODY PART NO

INS-7966

19

VOR7966



INSERT PART NO

d

BODY PART NO

INS-8215

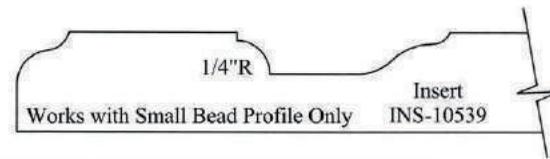
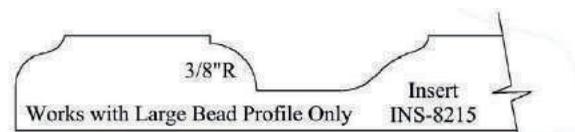
3/4

VOR8215

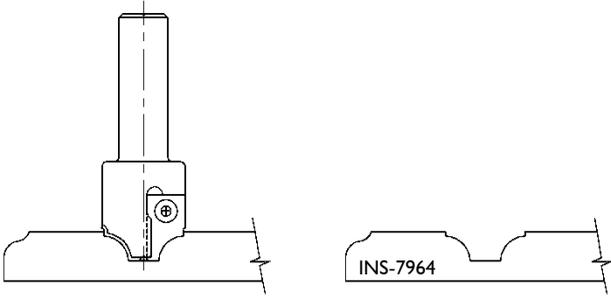
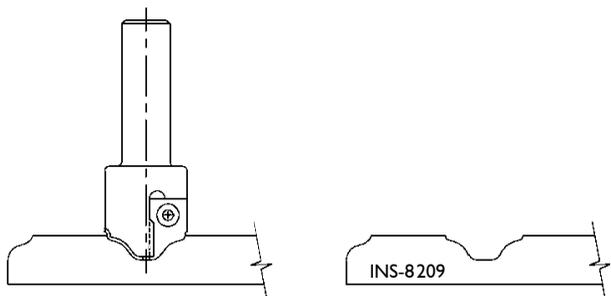
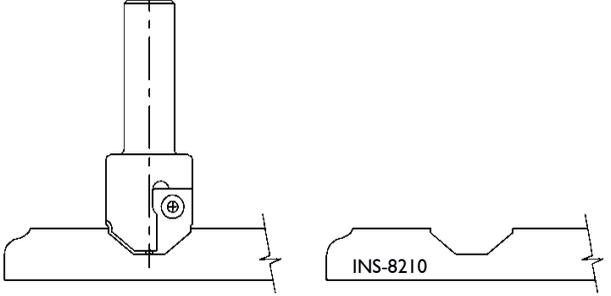
INS-10539

3/4

VOR8215



## One Pass MDF Door Profiles

 <b>One Pass MDF Door Profiles</b>	
	<p>This two flute insert MDF door cutter can be run in a single pass to create the appearance of a raised panel door. Designed so that one body accepts all profiles. Tool is manufactured with a 19mm shank diameter. Please verify which profile insert should be included in body at time of purchase.</p>
<p><b>INSERT PART #</b> INS-7964</p>	
<p><b>INSERT PART #</b> INS-8209</p>	
<p><b>INSERT PART #</b> INS-8210</p>	

## One Pass MDF Door Profiles



### Series 8200 Insert Round Over



These tools have been designed to round over the top edge of your material. Our unique capture groove allows this series of tools to maintain small cutting diameters, yet provide two cutting edges. These bodies are designed so that they will accept all five inserts! Specify which set of inserts is to be included with the original body purchase.

DESCRIPTION	SMALL DIA	RADIUS	d	PART NO
Insert Body	12.7	--	12.7	VOR8200
Insert Body	12.7	--	19	VOR8205
Replacement Insert	--	3.2	--	VORINS-8200
Replacement Insert	--	4.7	--	VORINS-8201
Replacement Insert	--	6.4	--	VORINS-8202
Replacement Insert	--	7.9	--	VORINS-8203
Replacement Insert	--	9.5	--	VORINS-8204

*\*\*1.6mm radius inserts available upon request - body modification is required*

**REPLACEMENT PARTS**

VOR67114 - Screws

VOR7000W - Wrench



### Series 8200 Insert Round Over & Flat



Unique "capture" groove allows this series of insert tools to maintain small cutting diameters, while still providing two cutting edges. Designed to cut .010" through on 19mm material and top edge round. It is recommended that you ramp in or start off the part when using this tool. Tool is designed so that one body accepts all five inserts! Specify which set of inserts is to be included with the original body purchase.

DESCRIPTION	SMALL DIA	RADIUS	d	PART NO
Insert Body	12.7	--	12.7	VOR8210
Insert Body	12.7	--	19	VOR8211
Replacement Insert	--	3.2	--	VORINS-8211
Replacement Insert	--	4.7	--	VORINS-8212
Replacement Insert	--	6.4	--	VORINS-8213
Replacement Insert	--	7.9	--	VORINS-7830
Replacement Insert	--	9.5	--	VORINS-8214

*\*\*1.6mm radius inserts available upon request - body modification is required*

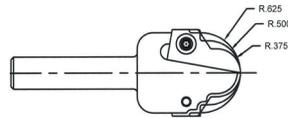
**REPLACEMENT PARTS**

VOR67114 - Screws

VOR7000W - Wrench

## Door Profiles

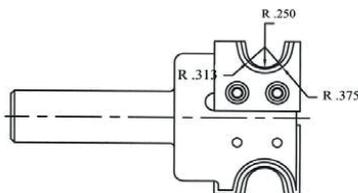
### **VORTEX** Series 8200 Multi Profile Ballnose Insert Body



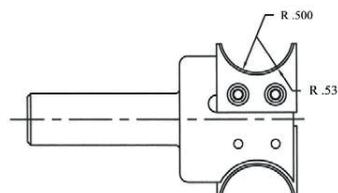
This "multi profile" insert tool body has been designed so that one body will accept three different sized radii. For use when larger diameter fluting is required or as cove profiles are needed. Precision insert design provides superior cut quality (particularly at the point) and greatly improved cutter life.

DESCRIPTION	COVE DIA	d	RADIUS	PART NO
Insert Body	--	12.7	--	VOR8220
Insert	19	--	9.5	VORINS8220
Insert	25	--	12.7	VORINS8221
Insert	31.4	--	15.9	VORINS8222

### **VORTEX** Multi Profile Bull Nose Insert Body



**Body 8230 for material thickness of 1/2" to 3/4"**



**Body #8240 for material thickness of 1" - 1 1/16"**

These insert cutters are designed to perfectly bull nose the material sizes shown providing superior cut quality only precision tooling can provide. Two multi profile tool bodies are available from stock and will cut several different radii per cutter body.

DESCRIPTION	d	MATERIAL THICKNESS	PART NO
Insert Body	19	2.7 thru 19	VOR8230
Insert Body	19	25 thru 26.6	VOR8240
6.4 Radius Insert-Body 8230	--	12.7	VORINS-8230
7.9 Radius Insert-Body 8230	--	15.9	VORINS-8231
9.5 Radius Insert-Body 8230	--	19	VORINS-8232
12.7 Radius Insert-Body 8240	--	25	VORINS-8240
13.5 Radius Insert-Body 8240	--	26.6	VORINS-8241

## Door Profiles



### Series 8300 Insert Shaker Door Cutter



Two wing insert design with upshear angle can be used to quickly “rough out” the center panel area of a Shaker Style MDF Door. The user would then use a series of smaller diameter tooling to “square up” the inside corners of the recessed panel area. Insert cutter sold separately or as a kit with the tools shown below.

BODY DIA	DEPTH OF CUT	d	# WINGS	PART NO
31.4	12.7	12.7	2	VOR8300



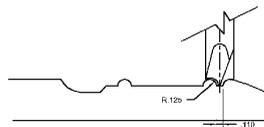
### Kit #8310

Includes:  
 Insert Body - 8300  
 Box of 10 Replacement Inserts - 13276  
 1 - 3850 - 12.7mm 60 degree V -Groove Bit  
 1 - 3189 - 12.7mm Mortise Compression  
 2 - 1310 - 3.2mm Downcut

REPLACEMENT PARTS  
 13276 - Inserts (sold in boxes of 10)  
 67116 - Screws  
 7001W - Wrench



### Series 8300 Solid Carbide Beading Profiles



This tool series can be used to create various sized “raised beads” by taking one pass on each side of the radius. The small diameter of the tool makes it very desirable for MDF doors.

SMALL DIA	RADIUS	d	OAL	PART NO
2.79	3.17	12.7	76	VOR3750
2.79	4.75	12.7	76	VOR3760
2.79	6.35	12.7	76	VOR3770

## Door Cutter

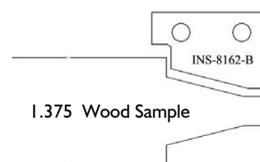


### Series 8500

#### One Sided Insert Raised Panel Door Cutter



1.750" Wood Sample



1.375 Wood Sample

This raised panel design will create a raised profile on one side of your entry door and is manufactured to accept two different insert profiles. An integrated tool design which means less weight, better balance, less run out and never having to change collets again is available with an HSK63F taper

BEVEL INSERT #	COPE INSERT #	d	BODY PART NO
INS-8162-B	INS-8162-C	19	VOR8550
INS-8162-B	INS-8162-C	HSK63F Taper	VOR8560



### Series 8500

#### Multi Profile Insert Entry Way Door Cutters - Glass Profiles



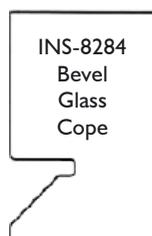
These multi-profile insert tools are designed to take a full pass and have 0.127mm fit tolerance between cope and stick patterns. Insert bodies are balanced to a G2.5 or better rating and can be used on conventional CNC routers. One set of inserts is included with the purchase of the body. These cutters are available in either a 19mm straight shank or an integrated HSK63F taper.

#### "MULTI PROFILE" COPE GLASS

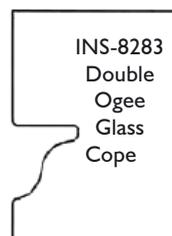
PART NO	DESCRIPTION
VOR8510	19mm shank body
VOR8520	HSK63F Integrated Body
VORINS-8283	DbI Ogee Glass Cope Insert
VORINS-8284	Bevel Glass Cope Insert
VORINS-8285	Bead Glass Cope Insert

#### "MULTI PROFILE" STICK GLASS

PART NO	DESCRIPTION
VOR8515	19mm shank body
VOR8525	HSK63F Integrated Body
VORINS-8282	DbI Ogee Glass Stick Insert
VORINS-8286	Bevel Glass Stick Insert
VORINS-8287	Bead Glass Stick Insert



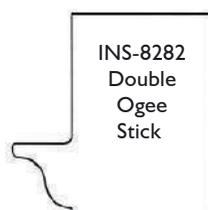
INS-8284  
Bevel  
Glass  
Cope



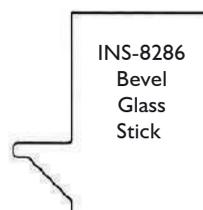
INS-8283  
Double  
Ogee  
Glass  
Cope



INS-8285  
3/8"  
Bead  
Glass Cope



INS-8282  
Double  
Ogee  
Stick



INS-8286  
Bevel  
Glass  
Stick



INS-8287  
3/8"  
Bead  
Glass Stick

## Door Cutter



### Series 8500

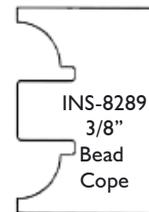
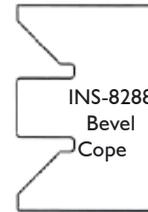
#### Multi Profile Insert Entry Way Door Cutters - Door Profiles



These multi profile insert tools are designed to take a full pass and have 0.127mm fit tolerance between cope and stick patterns. Insert bodies are balanced to a G2.5 rating or better and can be used on conventional CNC routers. One set of inserts is included with the purchase of the body. These cutters are available in a 1 9" straight shank or an integrated HSK63F taper.

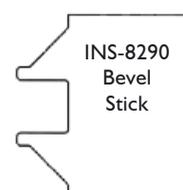
#### "MULTI PROFILE" COPE DOOR

PART NO	DESCRIPTION
VOR8530	19mm shank body
VOR8540	HSK63F Integrated Body
VORINS-8280	DbI Ogee Cope Door Insert
VORINS-8288	Bevel Cope Door Insert
VORINS-8289	Bead Cope Door Insert



#### "MULTI PROFILE" STICK DOOR

PART NO	DESCRIPTION
VOR8535	19mm shank body
VOR8545	HSK63F Integrated Body
VORINS-8281	DbI Ogee Stick Door Insert
VORINS-8290	Bevel Stick Door Insert
VORINS-8291	Bead Stick Door Insert



## Wood Tooling (New)



### Series 9000 & 9100 Three Flute Low Helix Rougher



Three flute roughing tools are designed for high-feed rates on CNC routers and are used when surface finish is not important in dense materials such as hardwoods and plywoods. Our 9000 series tools are a new rougher design that run quieter and leave less of a “rippled” edge.

D	L2	d	LI	UPCUT PART NO.	DOWNCUT PART NO.
9.5	25.4	9.5	76	VOR9040	VOR9140
12.7	32	12.7	89	VOR9050	VOR9150
19	50.8	19	102	VOR9080	VOR9180



### Series 9200 & 9300 Two Flute Chipbreaker Spiral



Chipbreaker tools “break” the chip into even smaller chips reducing power consumption and vibration. Chipbreakers are staggered on each flute to produce a smooth cut, but may leave a visual line in some situations. These tools are recommended for hardwoods and plywoods and dense materials where higher feed rates are required. Our 9000 Series tools have a new chipbreaker design that run quieter and has a better edge life.

D	L2	d	LI	UPCUT PART NO.	DOWNCUT PART NO.
9.5	32	9.5	76	VOR9240	VOR9340
12.7	38	12.7	89	VOR9255	VOR9355
19	54	19	127	VOR9280	VOR9380

## Wood Tooling (New)



### Series 9400 & 9500

#### Three Flute Low Helix Chipbreakers



The combination of the low helix and new style chipbreakers, these tools run quieter and last longer as they break the chips up even smaller. Chipbreakers are staggered on each flute to produce a smooth cut, but may leave visual lines in some situations. Chipbreaker tools are recommended for hardwoods, plywoods and dense materials where higher feed rates are required.

D	L2	d	LI	UPCUT PART NO.	DOWNCUT PART NO.
	22	9.5	76	VOR9440	VOR9540
	32	12.7	76	VOR9455	VOR9555



### Series 9600 & 9700

#### Compression Tooling



This new series of compression tooling is a great choice for dense plywood and combination core materials. Utilizing an improved chipbreaker pattern these tools shorten the length of the chip helping to reduce the pulling of the plys and yielding the cleanest cut possible. We offer this new tool design in both two flute, three flute and mortise configurations to fit all of your routing applications

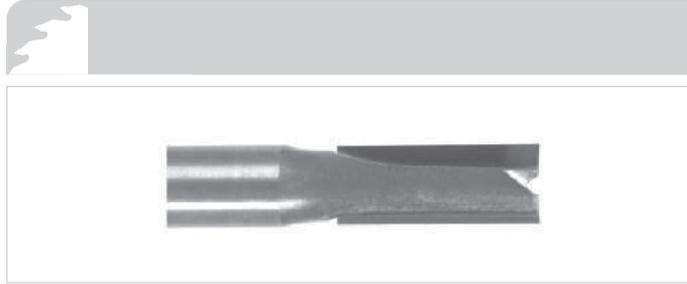
D	L2	d	LI	2 FLUTE	3 FLUTE
9.5	2	9.5	7	VOR9685	VOR9785
9.5	228.6	9.5	676	VOR9630	VOR9730
12.7	25.4	12.7	76	VOR9689	VOR9789
12.7	35	12.7	89	VOR9652	VOR9752

## LINBIDE

### Precision Tools Catalogue



## LINBIDE Carbide Tipped Router Bits



For general purpose routing of slots, grooves, slotting, mortising and rebating. End relieved for normal plunging jobs.

### STRAIGHT ROUTER BITS

#### STRAIGHT ROUTER BITS – TWO FLUTE LONG REACH

OD	L2	Od	PART NO.
5.5	28	6.4	LIN5.5M4LRX
6.0	28	6.4	LIN6M4LRX
6.4	28	6.4	LIN6.4M4LRX

#### STRAIGHT ROUTER BITS TWO FLUTE-EXTRA LONG SHANK

OD	L2	Od	PART NO.
9.5	37	9.5	LIN9.5M6LRX

#### STRAIGHT ROUTER BITS – TWO FLUTE 62 LONG SHANK

OD	L2	Od	PART NO.
9.5	25	9.5	LIN9.5M6ES

#### STRAIGHT ROUTER BITS – TWO FLUTE 1/2 SHANK

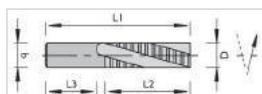
OD	L2	Od	PART NO.
3.0	10	12.7	LIN3M8
4.0	10	12.7	LIN4M8
5.0	10	12.7	LIN5M8
6.0	16	12.7	LIN6M8
6.4	16	12.7	LIN6.4M8
6.6	19	12.7	LIN6.6M8
7.0	19	12.7	LIN7M8
8.0	19	12.7	LIN8M8
9.0	19	12.7	LIN9M8
9.5	19	12.7	LIN9.5M8
10.0	19	12.7	LIN10M8
11.0	32	12.7	LIN11M8
12.0	32	12.7	LIN12M8
12.7	32	12.7	LIN12.7M8
13.0	32	12.7	LIN13M8
13.2	32	12.7	LIN13.2M8
14.0	32	12.7	LIN14M8
15.0	32	12.7	LIN15M8
16.0	32	12.7	LIN16M8
16.5	32	12.7	LIN16.5M8
17.0	32	12.7	LIN17M8
17.5	32	12.7	LIN17.5M8
18.0	32	12.7	LIN18M8
19.0	32	12.7	LIN19M8
20.0	32	12.7	LIN20M8
20.5	32	12.7	LIN20.5M8
22.0	32	12.7	LIN22M8
25.0	32	12.7	LIN25M8
25.8	32	12.7	LIN25.5M8
28.5	32	12.7	LIN28.5M8
30.0	32	12.7	LIN30M8
32.0	32	12.7	LIN32M8
38.0	32	12.7	LIN38M8

#### STRAIGHT ROUTER BITS – TWO FLUTE 1/4 SHANK

OD	L2	Od	PART NO.
3.2	8	6.4	LIN3.2M4
4.0	8	6.4	LIN4M4
5.0	8	6.4	LIN5M4
5.5	16	6.4	LIN5.5M4
6.0	16	6.4	LIN6M4
6.4	16	6.4	LIN6.4M4
7.0	19	6.4	LIN7M4
8.0	19	6.4	LIN8M4
9.0	19	6.4	LIN9M4
9.5	19	6.4	LIN9.5M4
10.0	19	6.4	LIN10M4
11.0	19	6.4	LIN11M4
12.0	19	6.4	LIN12M4
12.7	19	6.4	LIN12.7M4
13.0	19	6.4	LIN13M4
14.0	19	6.4	LIN14M4
15.0	19	6.4	LIN15M4
16.0	19	6.4	LIN16M4
16.5	19	6.4	LIN16.5M4
17.0	19	6.4	LIN17M4
17.5	19	6.4	LIN17.5M4
18.0	19	6.4	LIN18M4
19.0	19	6.4	LIN19M4
20.0	19	6.4	LIN20M4
20.5	19	6.4	LIN20.5M4
22.0	19	6.4	LIN22M4
25.0	19	6.4	LIN25M4

#### STRAIGHT ROUTER BITS – TWO FLUTE LONG REACH

OD	L2	Od	PART NO.
5.5	22	6.4	LIN5.5M4LR
6.0	22	6.4	LIN6M4LR
6.4	22	6.4	LIN6.4M4LR
8.0	25	6.4	LIN8M4LR
9.5	25	6.4	LIN9.5M4LR
12.7	25	6.4	LIN12.7M4LR



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## LINBIDE Carbide Tipped Router Bits



### STRAIGHT ROUTER BITS

#### STRAIGHT ROUTER BITS—TWO FLUTE 40MM MEDIUM REACH

OD	L2	Od	PART NO.
9.5	25	12.7	LIN9.5M8MR
12.7	37	12.7	LIN12.7M8MR
16.0	37	12.7	LIN16M8MR
19.0	37	12.7	LIN19M8MR

#### STRAIGHT ROUTER BITS – TWO FLUTE LONG REACH

OD	L2	Od	PART NO.
8.0	25	12.7	LIN8M8LR
9.5	37	12.7	LIN9.5M8LR
12.7	50	12.7	LIN12.7M8LR
12.7	64	12.7	ROBRB12.7M864
12.7	75	12.7	ROBRB12.7M875
16.0	50	12.7	LIN16M8LR
18.0	50	12.7	LIN18M8LR

#### STRAIGHT ROUTER BITS – TWO FLUTE 62MM LONG SHANK

OD	L2	Od	PART NO.
12.7	32	12.7	LIN12.7M8ES
16.0	32	12.7	LIN16M8ES



#### EXTRA LONG REACH PANEL BITS – LIGHT TRIMMING

OD	L2	Od	PART NO.
12.7	57	12.7	LIN12.7M8LRX
18.0	57	12.7	LIN18M8LRX
19.0	57	12.7	LIN19M8LRX

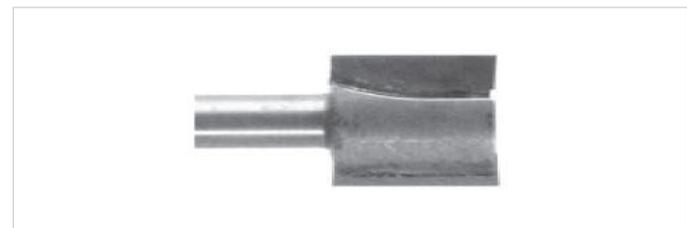
Straight Router Bits with Extra Gullet

#### SMALL DIA SINGLE FLUTE SOLID T.C. HIGH RAKE ANGLE

OD	L2	Od	PART NO.
1.6	4.5	6.4	LIN1.6M4SF
2.0	4.5	6.4	LIN2M4SF
2.4	4.5	6.4	LIN2.4M4SF
3.0	8	6.4	LIN3M4SF
3.2	8	6.4	LIN3.2M4SF
4.0	8	6.4	LIN4M4SF
4.8	8	6.4	LIN4.8M4SF
5.0	8	6.4	LIN5M4SF
5.5	16	6.4	LIN5.5M4SF
6.0	16	6.4	LIN6M4SF

#### SINGLE FLUTE TCT HIGH RAKE ANGLE 1/2 SHANK

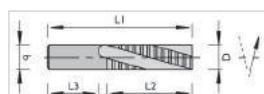
OD	L2	Od	PART NO.
9.5	19	12.7	LIN9.5M8SF
9.5	25	12.7	LIN9.5M8MRSF
12.7	32	12.7	LIN12.7M8SF
12.7	37	12.7	LIN12.7M8MRSF
12.7	50	12.7	LIN12.7M8LRSF



#### HINGE MORTISING BIT 1/4 SHANK

For use with hinge butt template attachments. This router bit is ideal for surfacing when cutter starts from edge of the timber.

OD	L2	Od	PART NO.
12.7	19.0	6.4	LINSF84
16.0	19.0	6.4	LINSF104
19.0	19.0	6.4	LINSF124



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## STRAIGHT ROUTER BITS

An ideal cutter where patent guides are arranged both top and bottom of the product. To achieve this, the cutter is manufactured with a bearing at each end. Two 50mm or 30mm reversible and replaceable are fitted to the cutter.



### FLUSH TRIM ROUTER BIT

OD	L2	Od	PART NO.
19.0	50	12.7	LINRB19M8LRB+B
19.0	30	12.7	LINRB19M8B+B



### FLUSH TRIM ROUTER BIT

OD	L2	Od	PART NO.
19.0	30	12.7	LINRB19M8B
19.0	50	12.7	LINRB19M8BLR



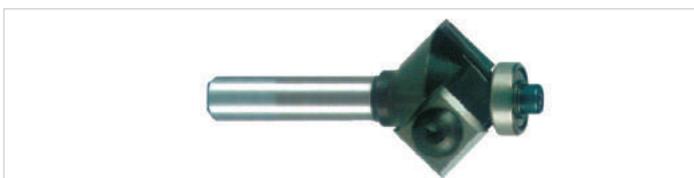
### INVERTED FLUSH TRIM ROUTER BIT

OD	L2	Od	PART NO.
19.0	29	12.7	LINRB19M8BINV
19.0	50	12.7	LINRB19M8LRBINV



### FLUSH TRIM ROUTER BIT

OD	L2	Od	PART NO.
19.0	12	6.4	LINRB19M4B



### BEVEL TRIM AND CHAMFER BIT

OD	L2	Od	PART NO.
29.0	16	6.4	LINRBCPB454

### PROFILING AND DRILLING PANEL BITS 1/4 SHANK

Plunge router machines will make a clean starting hole with this cutter. A tungsten carbide tip is fitted into the end of the cutter for bottom cutting. Not suitable for aluminium.

OD	L2	Od	PART NO.
10.0	19	6.4	LIN10M4D
11.0	19	6.4	LIN11M4D
12.0	19	6.4	LIN12M4D
13.0	19	6.4	LIN13M4D
14.0	19	6.4	LIN14M4D
15	19	6.4	LIN15M4D
16	19	6.4	LIN16M4D
18	19	6.4	LIN18M4D
19	19	6.4	LIN19M4D
20	19	6.4	LIN20M4D



### PROFILING AND DRILLING PANEL BITS 12.7 SHANK

These cutters are fitted with extra hard tungsten carbide. They are ideal for high production on CNC machines. A tungsten carbide blade is fitted into the cutter end for fast drilling. The cutters are recommended for vinyl, melamine, particle and medium density boards. Not suitable for aluminium.

OD	L2	Od	PART NO.
9.5	19	12.7	LIN9.5M8D
10.0	19	12.7	LIN10M8D
11.0	32	12.7	LIN11M8D
12.0	32	12.7	LIN12M8D
12.7	25	12.7	LIN12.7M8SRD
12.7	32	12.7	LIN12.7M8D
12.7	37	12.7	LIN12.7M8MRD
12.7	50	12.7	LIN12.7M8LRD
13.0	32	12.7	LIN13M8D
14.0	32	12.7	LIN14M8D
15.0	32	12.7	LIN15M8D
16.0	32	12.7	LIN16M8D
16.0	37	12.7	LIN16M8MRD
16.0	50	12.7	LIN16M8LRD
16.0	57	12.7	LIN16M8LRXD
16.0	63	12.7	LIN16M8LRXXD
18.0	32	12.7	LIN18M8D
18.0	50	12.7	LIN18M8LRD
18.0	57	12.7	LIN18M8LRXD
19.0	32	12.7	LIN19M8D
20.0	32	12.7	LIN20M8D
22.0	32	12.7	LIN22M8D
25.0	32	12.7	LIN25M8D
25.5	32	12.7	LIN25.4M8D
28.5	32	12.7	LIN28.5M8D
32.0	32	12.7	LIN32M8D
38.0	32	12.7	LIN38M8D



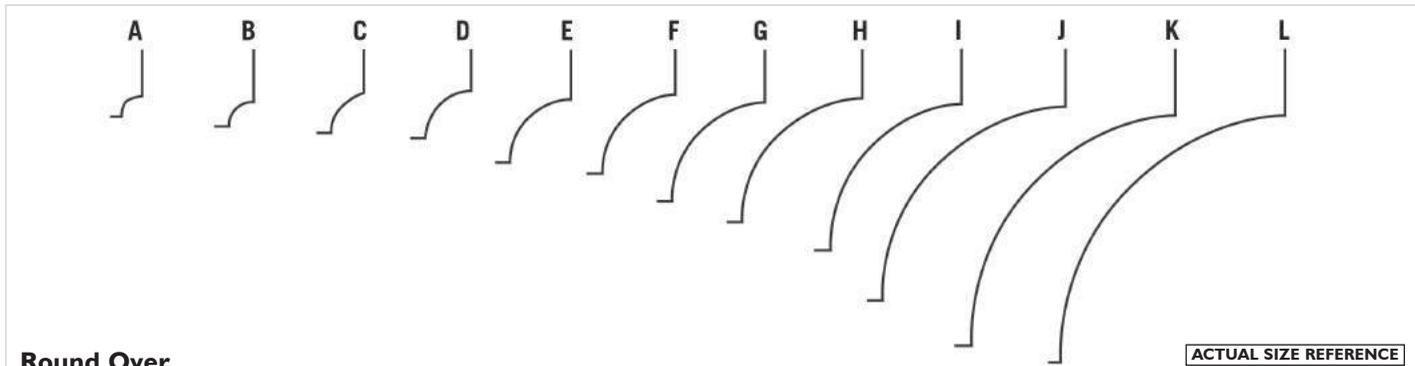
### REPLACEMENT SCREWS & ACCESSORIES

Torx T1.5 screw driver with 4 x 4mm screws

PART NO: RBTORX15

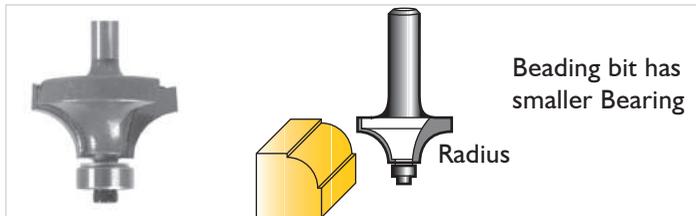
## LINBIDE Carbide Tipped Router Bits

### ROUNDING OVER BITS



Round Over

ACTUAL SIZE REFERENCE



Beading bit has smaller Bearing

Radius

#### 2 FLUTE ROUND OVER BITS 1/4 (6.4) SHANK (WITH BEARING)

A very common profile for furniture, top beads are produced with machine height adjustment, this will make drop leaf table joints reduce bearing diameter to make a double bead.

– ROPB24 rounding over bits are arranged with 10° lead angles to blend the radius on cupboard doors with 2.3mm plastic edges.

RAD	CUTTER HT	PIC	PART NO.
2	10	A	LINROPB24
2	10	A	LINROPB24X9(bearing)
3	10	B	LINROPB34
3	10	B	LINROPB34X9(bearing)
5	11	C	LINROPB54
5	11	C	LINROPB54X9(bearing)
6	12	D	LINROPB64
8	16	E	LINROPB84
10	17	F	LINROPB104
13	21	G	LINROPB134

#### 2 FLUTE ROUND OVER BITS 1/2 (12.7) SHANK

RAD	CUTTER HT	PIC	PART NO.
6	12	D	LINROPB68
8	16	E	LINROPB88
10	17	F	LINROPB108
13	21	G	LINROPB138
16	23	H	LINROPB168
16	23	H	LINROPB168X9(bearing)
19	26	I	LINROPB198
25	33	J	LINROPB258
25	33	J	LINROPB258X9(bearing)
30	36	K	LINROPB308
30	36	K	LINROPB308X9(bearing)
32	40	L	LINROPB328
32	40	L	LINROPB328X9(bearing)



#### 2 FLUTE ROUND OVER BITS 1/4 (6.4) SHANK OVOLO(NO BEARING)

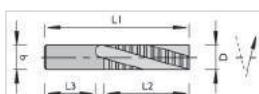
For smooth uniform round edges on furniture. An extensive range of sizes for all material thickness. Use with router pattern or fence guide. End cutting for plunging into panels such as raised panel doors.

– RO24 rounding over bits are arranged with two 10° lead angles to blend the radius on cupboard doors with 2.3mm plastic edges. RO24 (right hand) and RO24L (left hand) are suitable for trimming on edge banding machines.

RAD	CUTTER HT	PIC	PART NO.
2	10	A	LINRO24LH
2	10	A	LINRO24
3	10	B	LINRO34
5	11	C	LINRO54
6	12	D	LINRO64
8	16	E	LINRO84
10	17	F	LINRO104
13	21	G	LINRO134

#### 2 FLUTE ROUND OVER BITS 1/2 (12.7) SHANK(NO BEARING)

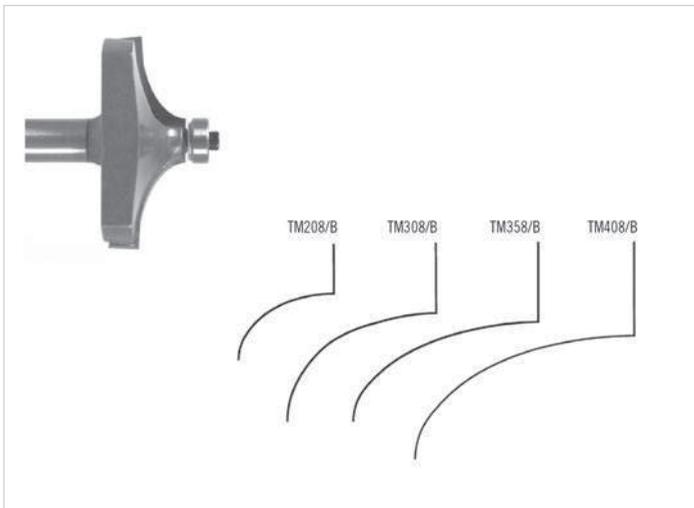
RAD	CUTTER HT	PIC	PART NO.
6	12	D	LINRO68
8	16	E	LINRO88
10	17	F	LINRO108
13	21	G	LINRO138
16	23	H	LINRO168
19	26	I	LINRO198
25	33	J	LINRO258
30	36	K	LINRO308
32	40	L	LINRO328



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## LINBIDE Carbide Tipped Router Bits

### ROUNDING OVER BITS



#### 2 FLUTE ROUND OVER BITS 1/2 (12.7) SHANK WITH BRG

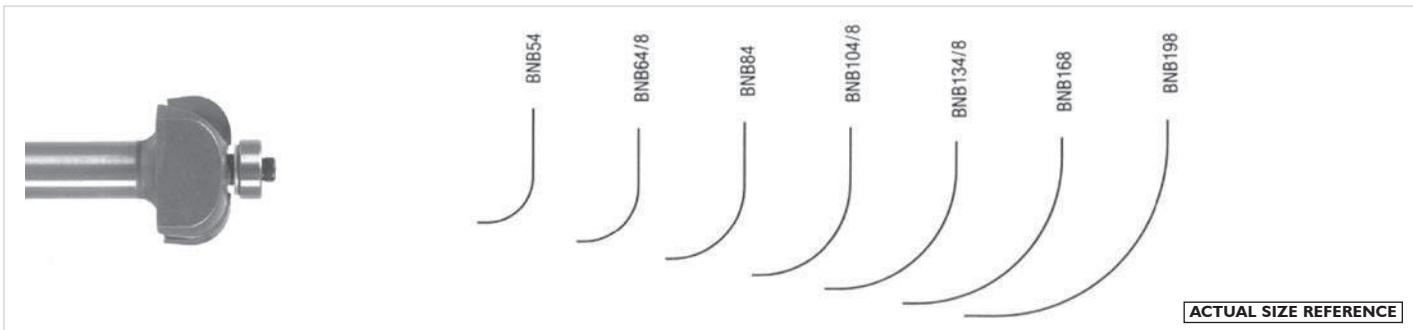
A shallow curve more suitable for thin materials. The profiles are designed to blend over the surface rather than on the edge of the panel.

RAD	CUTTER HT	DIA	PART NO.
20	16	38	LINTM208B
30	24	52	LINTM308B
35	24	61	LINTM358B
40	28	70	LINTM408B

#### 2 FLUTE ROUND OVER BITS 1/2 (12.7) SHANK W/OUT BRG

RAD	CUTTER HT	DIA	PART NO.
20	16	38	LINTM208
30	24	52	LINTM308
35	24	61	LINTM358
40	28	70	LINTM408

### BALL NOSE AND COVING BITS



#### 2 FLUTE BALL NOSE BITS 1/4 (6.4) SHANK

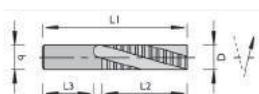
For decorative edging, drop leaf table joints. Fitted with shielded compact ball bearing guide.

– LINBNB54 has B9 bearings. All other have B13 bearings fitted.

RAD	CUTTER HT	DIA	PART NO.
5.0	12	19	LINBNB54
6.0	12	25	LINBNB64
8.0	14	29	LINBNB84
10.0	16	33	LINBNB104
13.0	16	39	LINBNB134

#### 2 FLUTE BALL NOSE BITS 1/2 (12.7) SHANK

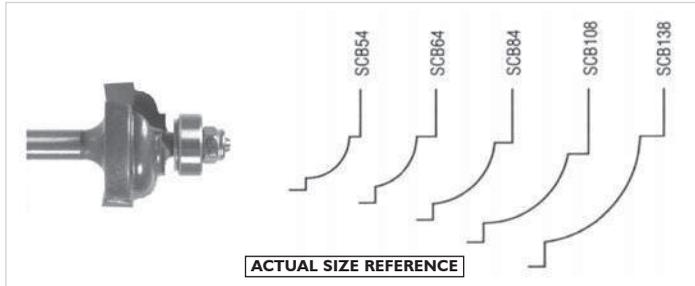
RAD	CUTTER HT	DIA	PART NO.
6.0	12	25	LINBNB68
10.0	16	33	LINBNB108
13.0	16	39	LINBNB138
16.0	18	45	LINBNB168
19.0	20	51	LINBNB198



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## LINBIDE Carbide Tipped Router Bits

### BALL NOSE AND COVING BITS



#### 2 FLUTE CLASSIC COVING BITS BEARING GUIDE

A classic coving bit will produce a cove with a classic bead top and bottom. A most unusual and elegant moulding. A B9 bearing standard. A B13 bearing removes the bottom head.

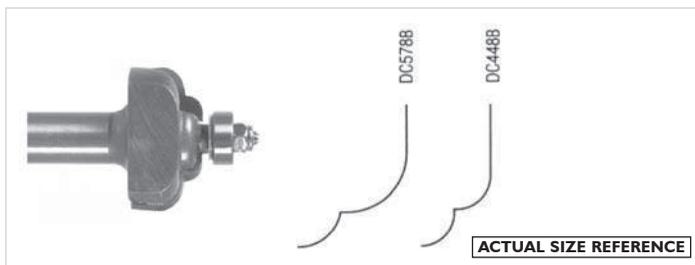
DIA	CUTTER HT	SHK	PART NO.
25.0	12	6.4	LINSCB54
27.0	13	6.4	LINSCB64
32.0	16	6.4	LINSCB84
37.0	19	12.7	LINSCB108
42.0	22	12.7	LINSCB138



#### TRIPLE COVE BIT-BEARING GUIDE

For the mould with a difference. 3, 5 and 8mm radii on the cutter profile. A B13 bearing fitted as standard.

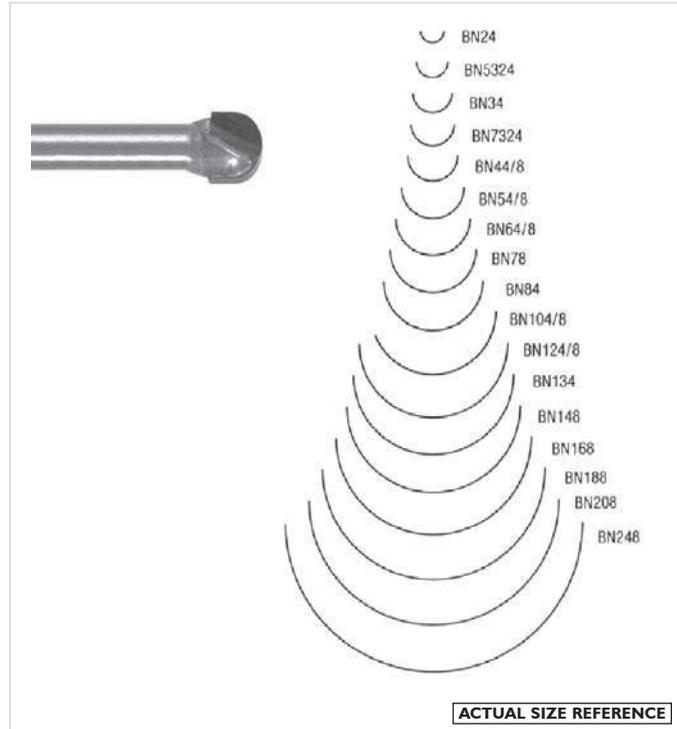
DIA	CUTTER HT	SHK	PART NO.
45.0	22	12.7	LINTC3588B



#### DOUBLE COVE BITS-BEARING GUIDE

Creates a decorative double cove. Suits 16mm (5/8") thick material. A B13 bearing is standard.

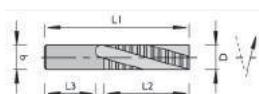
DIA	CUTTER HT	SHK	PART NO.
30.0	17	12.7	LINDC448B
37.0	17	12.7	LINDC578B



#### CORE BOX BITS

These bits are used for symmetrical round bottom decorative cuts. Especially effective for detail work where radius cuts are required on flat surfaces.

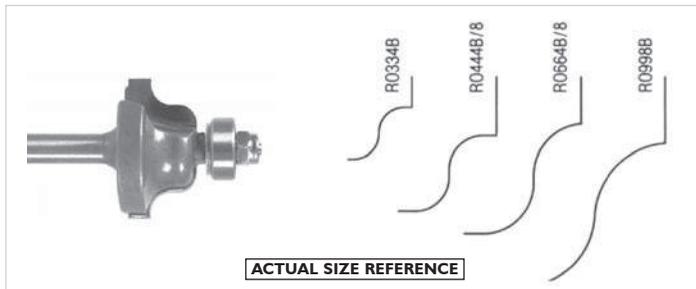
DIA	CUTTER HT	SHK	PART NO.
3.0	6	6.4	LINBN24
4.0	10	6.4	LINBN5324
5.0	13	6.4	LINBN34
5.5	13	6.4	LINBN7324
6.4	16	6.4	LINBN44
8.0	7	6.4	LINBN54
9.5	12	6.4	LINBN64
12.7	12	6.4	LINBN84
16.0	12	6.4	LINBN104
19.0	12	6.4	LINBN124
20.5	12	6.4	LINBN134
6.4	16	12.7	LINBN48
8.0	20	12.7	LINBN58
9.5	20	12.7	LINBN68
11.0	32	12.7	LINBN78
12.7	32	12.7	LINBN88
16.0	32	12.7	LINBN108
19.0	32	12.7	LINBN128
22.2	32	12.7	LINBN148
25.0	32	12.7	LINBN168
28.5	32	12.7	LINBN188
32.0	32	12.7	LINBN208
38.0	32	12.7	LINBN248



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) LI = Overall Length (mm)

## LINBIDE Carbide Tipped Router Bits

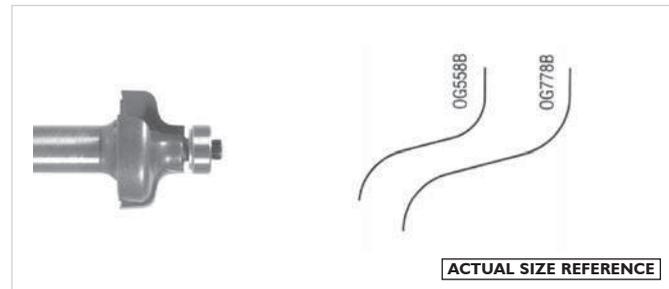
### OGEE BITS



#### ROMAN OGEE BITS-BEARING GUIDE

This bit has two flutes and a ball bearing guide for smooth finishing on the decorative edging and period furniture.  
 – LINRO334B has B9 bearing. All others fitted with B13.

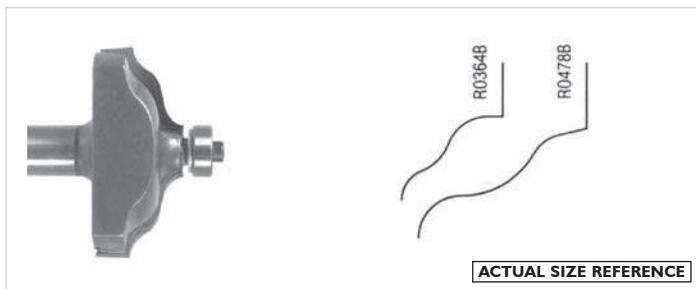
DIA	CUTTER HT	SHK	PART NO.
22.0	10	6.4	LINRO334B
29.0	16	6.4	LINRO444B
34.0	19	6.4	LINRO664B
29.0	16	12.7	LINRO448B
34.0	19	12.7	LINRO668B
42.0	25	12.7	LINRO998B



#### ROMAN OGEE BITS SHALLOW PROFILE

An excellent cutter for flat panels, doors and cabinets where a shallow profile is needed. A B13 bearing is standard.

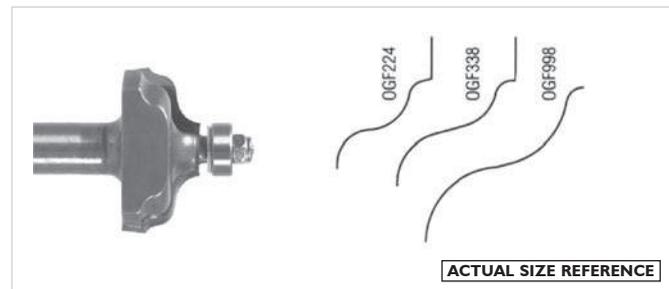
DIA	CUTTER HT	SHK	PART NO.
43.0	16	12.7	LINOG558B
52.0	20	12.7	LINOG778B



#### ROMAN OGEE BITS SHALLOW PROFILE

Ball bearing 2 flute, ideal alternative to ogee shallow profile cutter. Very useful for shaping mouldings, cappings, thin panels and door edges. A B13 bearing is standard.

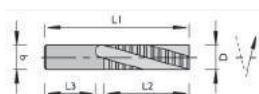
DIA	CUTTER HT	SHK	PART NO.
37.0	17	6.4	LINRO364B
53.0	21	12.7	LINRO478B



#### ROMAN OGEE BITS WITH FILLET

Graceful curves of the Ogee can attractively accented with a classical fillet. A bottom fillet is achieved by changing the standard B13 bearing to a B9 bearing.

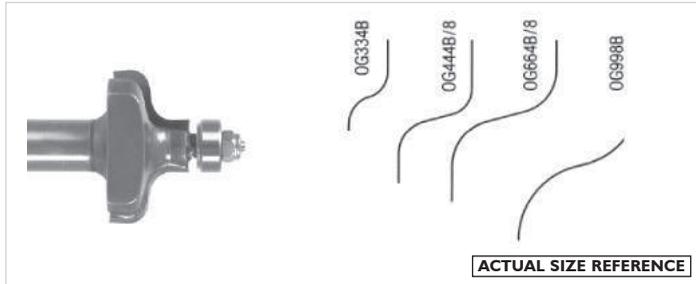
DIA	CUTTER HT	SHK	PART NO.
35.0	16	6.4	LINOGF224
41.0	18	12.7	LINOGF338
54.0	25	12.7	LINOGF998



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## LINBIDE Carbide Tipped Router Bits

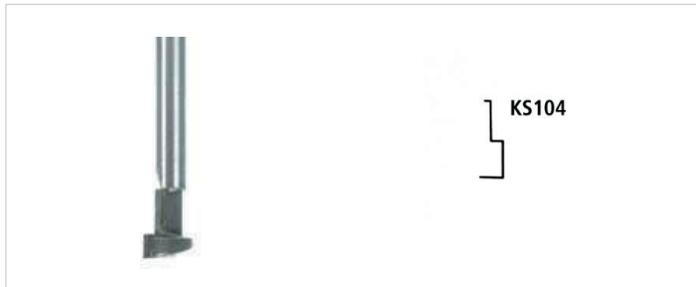
### OGEE BITS



#### ROMAN OGEE BITS-BEARING GUIDE

This popular cutter is used for furniture making. It makes neat decorative moulded edges. Will make a bottom bead with a bearing change. Often used with router machine fence. B13 Bearing standard. Fit B9 bearing for beading.

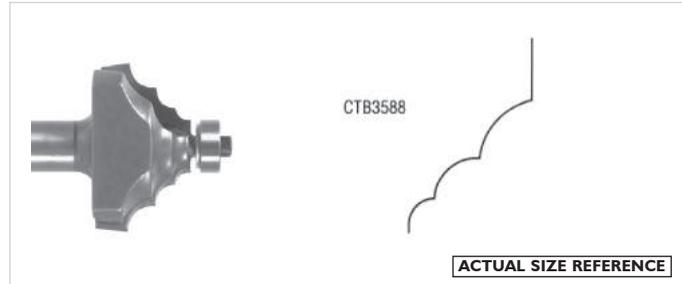
DIA	CUTTER HT	SHK	PART NO.
22.0	11	6.4	LINOG334B
30.0	17	6.4	LINOG444B
37.0	20	6.4	LINOG664B
30.0	17	12.7	LINOG448B
37.0	20	12.7	LINOG668B
42.0	24	12.7	LINOG998B



#### KEYHOLE BIT

Use this cutter for picture hanging etc. Suitable for 8 or 10 gauge screws

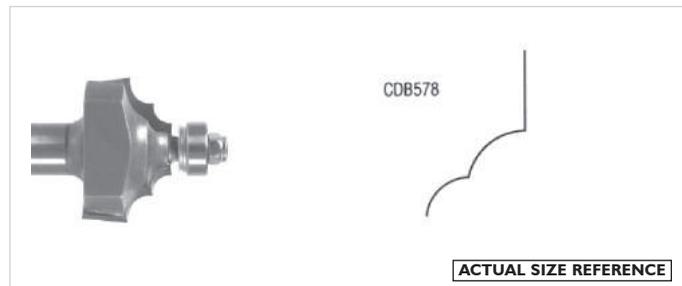
DIA	CUTTER HT	GROOVE	PART NO
9.5	9.5	5	LINKS104



#### TRIPLE BEADING BIT-BEARING GUIDE

This triple mould will give the classic bead profile on 19mm (3/4") panels. The three radius sizes are 3, 5 and 8mm. A B13 ball race is standard fitting or a B9 is exchanged for a bottom bead.

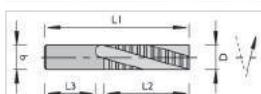
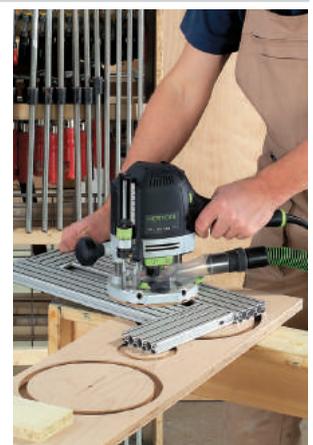
DIA	CUTTER HT	SHK	PART NO.
42.0	24	12.7	LINCTB3588



#### DOUBLE BEADING BIT-BEARING GUIDE

Neat double moulds on 16mm (5/8") tops are made from this cutter. It is ground with a 5mm and 7mm radius. A B13 bearing is standard or B9 for a bottom bead.

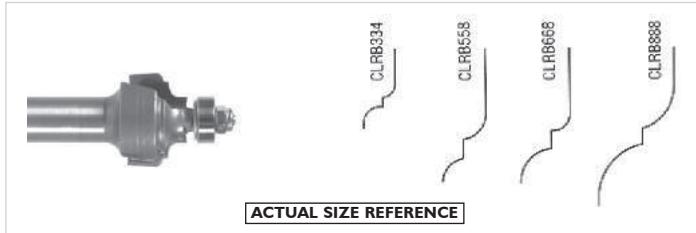
DIA	CUTTER HT	SHK	PART NO.
36.0	20	12.7	LINCDB578



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## LINBIDE Carbide Tipped Router Bits

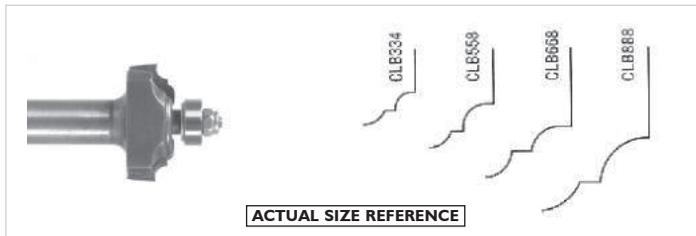
### CLASSICAL AND PROFILE FURNITURE MOULDINGS



#### CLASSICAL BIT REVERSE PROFILE

This cutter has the reversed profile of the classical bit. Fitted with B13 ball bearing guide it can be used for beading by changing the bearing to B9 type. Unequal size radii not suitable for joints.

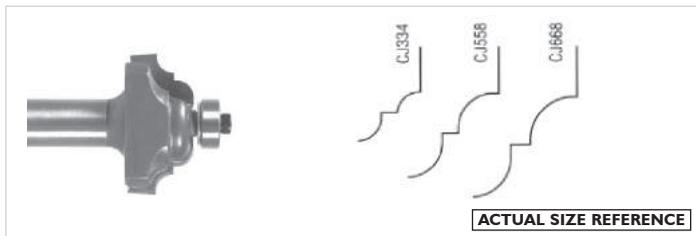
DIA	CUTTER HT	SHK	PART NO.
20.0	10	6.4	LINCLRB334
25.0	17	12.7	LINCLRB558
25.0	17	12.7	LINCLRB668
33.0	21	12.7	LINCLRB888



#### CLASSICAL BIT

An attractive classical mould cutter for period furniture. This bit has a B13 ball bearing guide. Unequal size radii not suitable for joints.

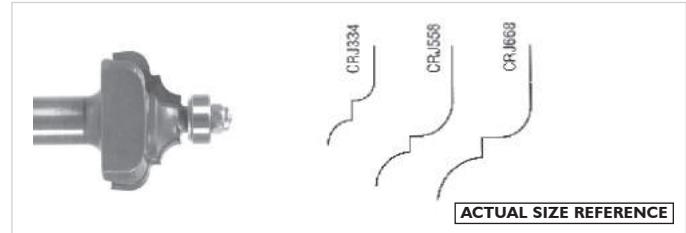
DIA	CUTTER HT	SHK	PART NO.
25.0	10	6.4	LINCLB334
33.0	13	12.7	LINCLB558
39.0	17	12.7	LINCLB668
43.0	21	12.7	LINCLB888



#### CLASSICAL BIT JOINTING PROFILE

Equal size male and female radius bits. Not suitable for glue joints. B13 bearing fitted as standard.

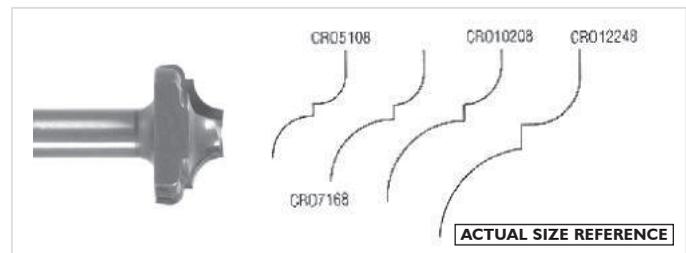
DIA	CUTTER HT	SHK	PART NO.
28.0	12	6.4	LINCJ334
37.0	17	12.7	LINCJ558
41.0	19	12.7	LINCJ668



#### CLASSICAL BIT REVERSE JOINTING PROFILE

Inverted equal size male and female radius bits. On drop leaf table tops. B13 bearing fitted as standard.

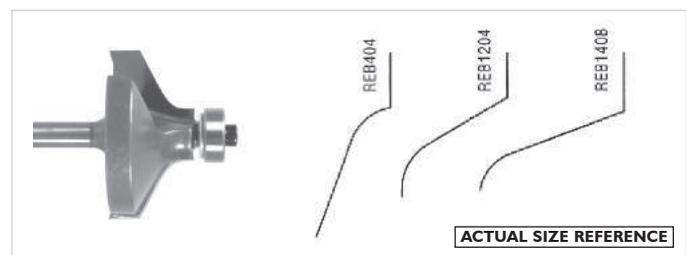
DIA	CUTTER HT	SHK	PART NO.
25.0	12	6.4	LINCRJ334
33.0	18	12.7	LINCRJ558
37.0	20	12.7	LINCRJ668



#### CLASSICAL ROUNDING OVER BIT

This is a classical profile cutter, without a ball bearing guide. It is similar to CLRB series cutters.

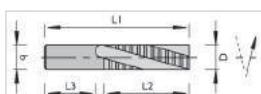
DIA	CUTTER HT	SHK	PART NO.
32.0	14	12.7	LINCRO5108
38.0	17	12.7	LINCRO7168
43.0	20	12.7	LINCRO10208
49.0	24	12.7	LINCRO12248



#### RAISED PANEL ANGLE AND RADIUS

Ball bearing guide cutter for beautiful decorative bevelling adds a real quality accent to any product. A B13 bearing is fitted as standard. A B9 bearing changes the cutter to beading cuts.

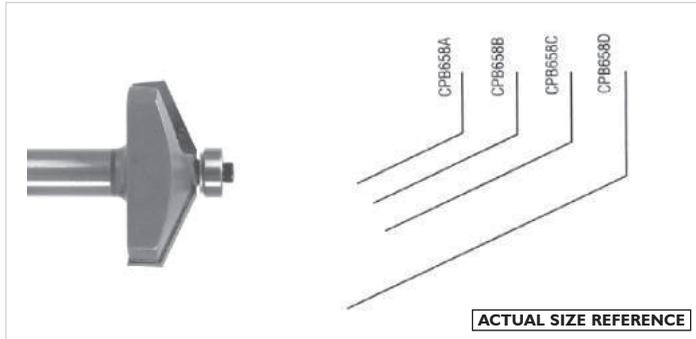
DIA	CUTTER HT	SHK	PART NO.
32.0	25	6.4	LINREB404
40.0	19	6.4	LINREB1204
50.0	18	12.7	LINREB1408



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) LI = Overall Length (mm)

## LINBIDE Carbide Tipped Router Bits

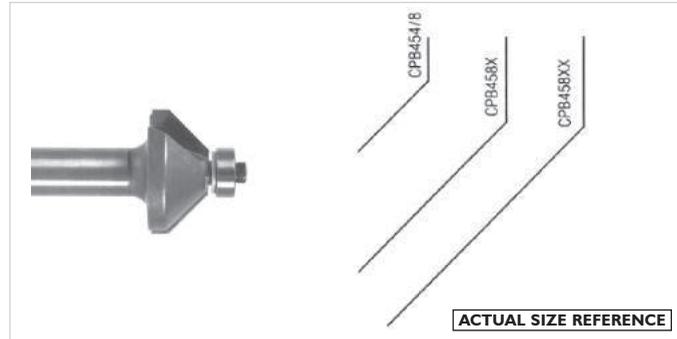
### CHAMFER AND ANGLE BITS



#### LARGE DIA RAISED PANEL BIT

Four various diameters of angle cutters for raised panel doors. All cutters have a 25° bevel. B13 bearing.  
 – 12,000 RPM maximum speed for LINCPB658C and LINCPB658D.

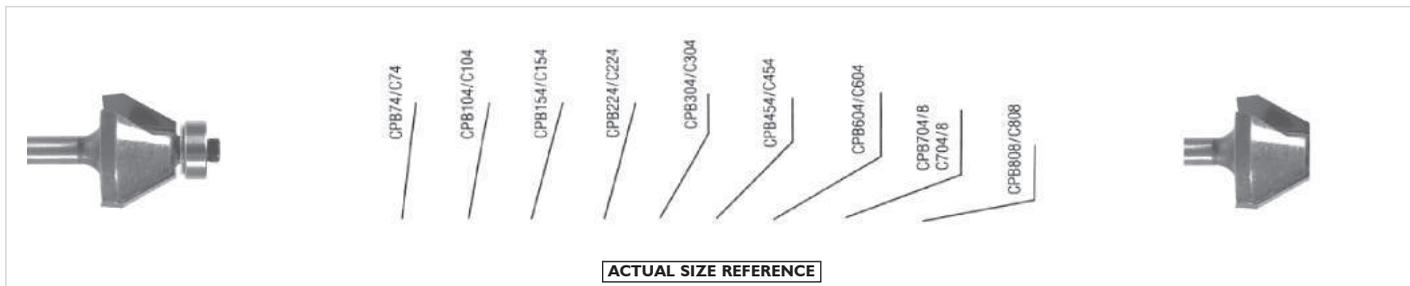
DIA	CUTTER HT	SHK	PART NO.
41.0	14	12.7	LINCPB658A
50.0	17	12.7	LINCPB658B
62.0	21	12.7	LINCPB658C
90.0	30	12.7	LINCPB658D



#### CHAMFERING BITS

This range of cutters produce a 45° bevel. A B13 bearing is fitted as standard, B9 bearing changes cutter for beading cuts.  
 – 12,000 RPM maximum speed for LINCPB458X and LINCPB458XX.

DIA	CUTTER HT	SHK	PART NO.
15.0	16	6.4	LINCPB454
15.0	16	12.7	LINCPB458
25.0	30	12.7	LINCPB458X
35.0	37	12.7	LINCPB458XX



#### CHAMFERING BITS

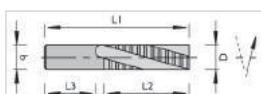
Various cutters for raised panels, bevel and decorative edges. A B9 bearing changes cutter to beading cuts. A B13 bearing is fitted as standard.  
 – For 90° included angle refer to chamfer bit LINCPB454.

DIA	CUTTER HT	SHK	PART NO.
16.0	15	6.4	LINCPB74
16.0	15	6.4	LINCPB104
20.0	15	6.4	LINCPB154
25.0	15	6.4	LINCPB224
25.0	16	6.4	LINCPB304
40.0	17	6.4	LINCPB604
42.0	14	6.4	LINCPB704
42.0	14	12.7	LINCPB708
42.0	10	12.7	LINCPB808

#### CHAMFERING BITS WITHOUT BALL RACE

An extensive range of nine graduated angles. For bevels, chamfers, raised panels and trimming. Use the router machine fence or roller guide.

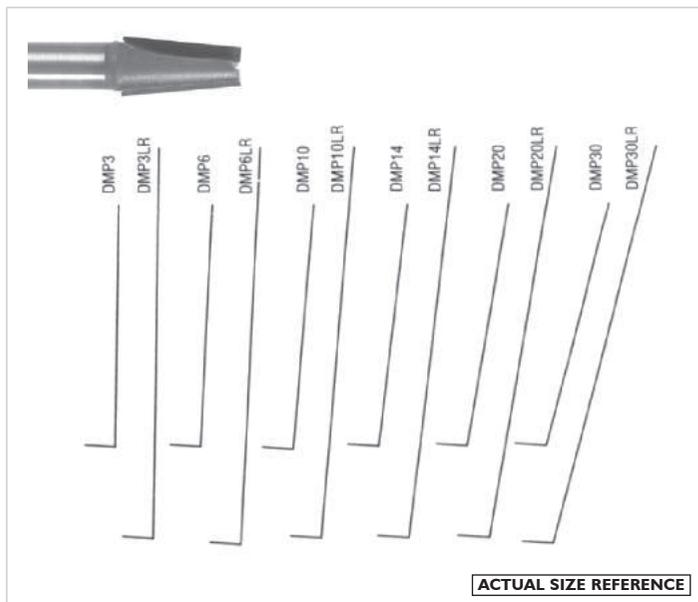
DIA	CUTTER HT	SHK	PART NO.
16.0	15	6.4	LINC104
25.0	16	6.4	LINC304
32.0	16	6.4	LINC454
40.0	17	6.4	LINC604
42.0	17	6.4	LINC704
32.0	16	12.7	LINC458
42.0	14	12.7	LINC708



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## LINBiDE Carbide Tipped Router Bits

### CHAMFER AND ANGLE BITS



### DIE MOULD AND PATTERN MAKERS BITS

Various angle cutters to easily produce taper draw on dies and moulds. Suitable for signage.  
– Cutting length 50mm (2”).

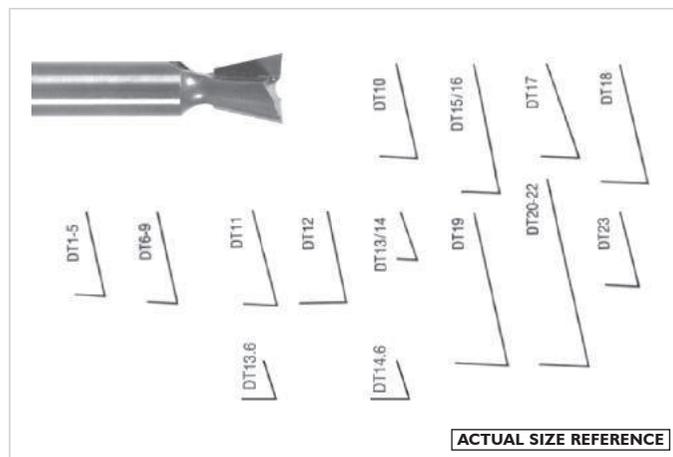
SML END	LG END	SHK	PART NO.
<b>Cutting Length 32mm</b>			
10.0	12.0	12.7	LINDMP3
10.0	13.5	12.7	LINDMP6
10.0	15.5	12.7	LINDMPI0
10.0	17.5	12.7	LINDMPI4
10.0	21.5	12.7	LINDMP20
10.0	27.5	12.7	LINDMP30
<b>Cutting Length 50mm</b>			
10.0	12.5	12.7	LINDMP3LR
10.0	15.0	12.7	LINDMP6LR
10.0	17.5	12.7	LINDMPI0LR
10.0	25.0	12.7	LINDMPI4LR
10.0	27.5	12.7	LINDMP20LR
10.0	36.0	12.7	LINDMP30LR

### DOVETAIL AND ANGLE CUTTERS

#### DOVETAIL BITS

This cutter makes strong dovetail joints. It is excellent for drawer fronts and French dovetailing.  
– For Regency table legs use LINDT16 or larger bits.

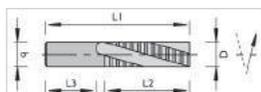
DIA	ANGLE	SHK	MACHINE	PART NO.
7/16	12d	5/16	Hawkins	LINDT1
7/16	12d	3/8	Logan	LINDT2
7/16	12d	3/8	Lectric	LINDT3
7/16	12d	1/2	Wadkin	LINDT4
7/16	12d	1/2		LINDT5
7/16	12d	1/2	Logan Auto R/H	LINDT6
7/16	12d	1/2	Logan Auto L/H	LINDT7
9/16	12d	1/2	Logan Auto R/H	LINDT8
9/16	12d L/H	1/2	Logan Auto L/H	LINDT9
9/16	12d	3/8	Jonsered	LINDT10
1/2	14d	1/4	Stanley, Leigh	LINDT11
0.390	19d	1/2	Millhurst	LINDT13
8mm	19d	6mm	Hoffman	LINDT13.6
0.310	19d	1/2	Millhurst	LINDT14
10mm	19d	6mm	Hoffman	LINDT14.6
14mm	10d	10mm	Omec	LINDT15
15.2mm	18d	1/4	Ryobi	LINDT17
19mm	12d	1/2	Leigh	LINDT19
22mm	12d	1 1/2		LINDT20
25mm	12d	2 1/2		LINDT21
32mm	12d	3 1/2		LINDT22
3/8	14d	1/4	Leigh	LINDT23
14.9mm	14d	1 1/4	wdv-1 Attach	LINDT24
11.6mm	14d	2 1/4	wdv-1 Attach	LINDT26
12mm	14d	3 1/4	wdv-1 Attach	LINDT27



#### ROUTER BITS FOR LEIGH DOVETAIL JIGS

Various cutters to suit Leigh dovetail fixtures.

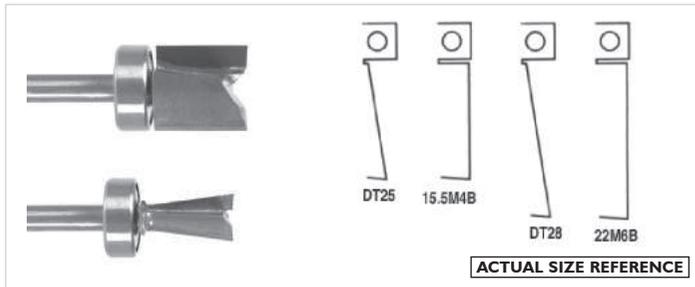
DIA	CUTTER LTH	LTH	PART NO.
9.5mm	10mm	44.5mm	LINST64
12.7mm	20mm	44.5mm	LINST84
17mm	25mm	44.5mm	LINLE118
20mm	32mm	44.5mm	LINLE128



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## LINBIDE Carbide Tipped Router Bits

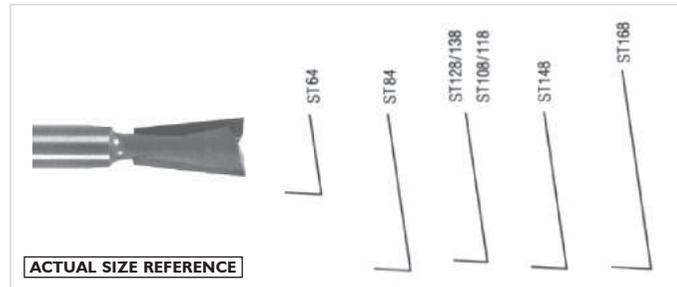
### DOVETAIL AND ANGLE CUTTERS



#### ROUTER BITS FOR KELLER DOVETAIL JIGS

Various cutters to suit Keller dovetail fixtures.

DIA	CUTTER LTH	SHK	PART NO.
11.5mm	19mm	6.4mm	LINDT25
15.5mm	19mm	6.4mm	LIN15.5M4B
16mm	25mm	9.5mm	LINDT28
22mm	25mm	9.5mm	LIN22M6B

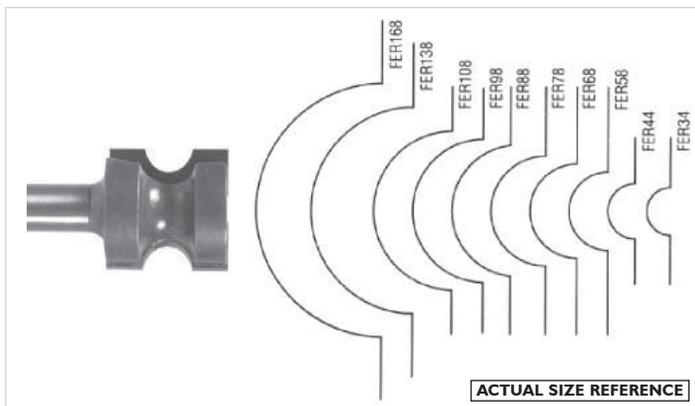


#### STAIR TRENCHING BITS

These two flute bits cut dovetail like joints for locking stair treads and risers into stair stringers.

DIA	CUTTER LTH	SHK	PART NO.
16mm	19mm	12.7mm	LINST108
17.5mm	19mm	12.7mm	LINST118
19mm	19mm	12.7mm	LINST128
20.5mm	19mm	12.7mm	LINST138
22mm	20mm	12.7mm	LINST148
25mm	25mm	12.7mm	LINST168

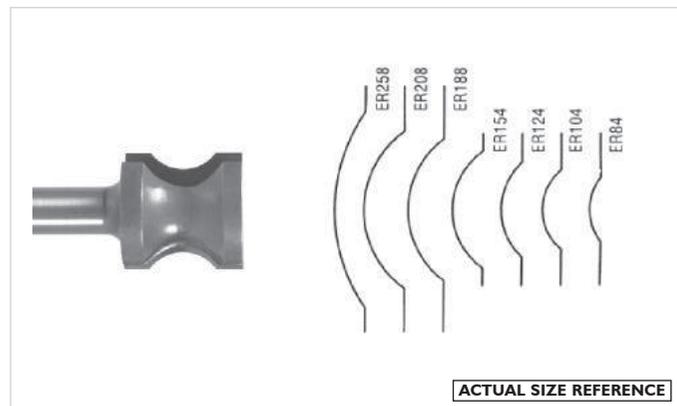
### EDGE RADIUS BITS



#### FULL FORM EDGE RADIUS BITS

For radius edging with full form. A router table is recommended with these cuts.

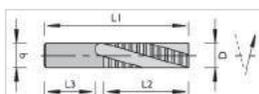
DIA	CUTTER HT	SHK	PART NO.
22mm	19mm	6.4mm	LINFER34
22mm	19mm	6.4mm	LINFER44
28mm	32mm	12.7mm	LINFER58
32mm	32mm	12.7mm	LINFER68
32mm	32mm	12.7mm	LINFER78
33mm	32mm	12.7mm	LINFER88
35mm	32mm	12.7mm	LINFER98
37mm	32mm	12.7mm	LINFER108
47mm	43mm	12.7mm	LINFER138
52mm	49mm	12.7mm	LINFER168



#### 2/3RD FORM EDGE RADIUS BITS

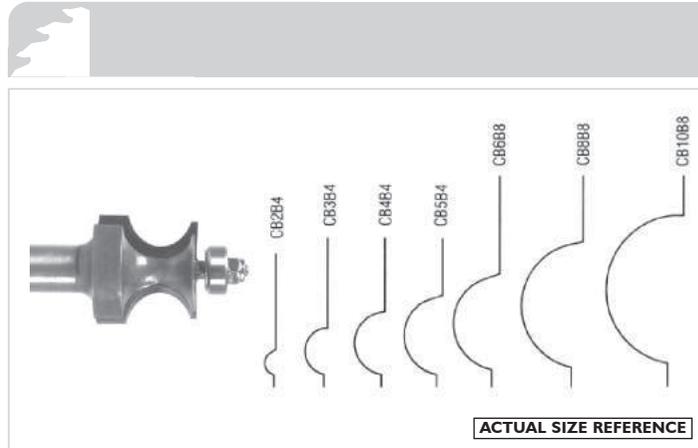
These cutters give a plain radius edge or will double bead on thicker material. It is ideal for table top edges, sideboards and shelves.

DIA	CUTTER HT	SHK	RAD	OPENING	PART NO.
19mm	19mm	6.4	6mm	8mm	LINER84
19mm	19mm	6.4	7mm	9.5mm	LINER104
19mm	19mm	6.4	9mm	12.7mm	LINER124
19mm	19mm	6.4	10mm	15mm	LINER154
19mm	19mm	6.4	11mm	18mm	LINER188
32mm	32mm	12.7	13mm	20mm	LINER208
32mm	32mm	12.7	24mm	25mm	LINER258



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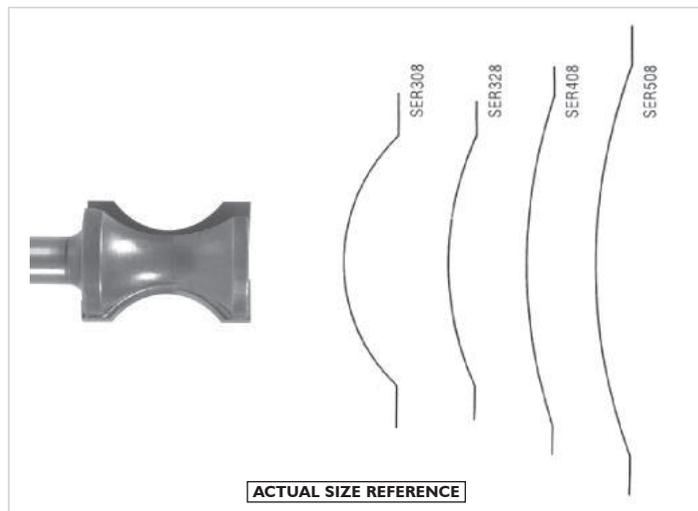
## LINBIDE Carbide Tipped Router Bits



### CORNER BEAD BITS

These cutters have an unusual bead profile for shelves, furniture tops and trimming moulds. B13 bearing.

DIA	CUTTER HT	SHK	RAD	PART NO.
16mm	17mm	6.4	3mm	LINCB2B4
18mm	19mm	6.4	6mm	LINCB3B4
20mm	19mm	6.4	8mm	LINCB4B4
22mm	19mm	6.4	10mm	LINCB5B4
23mm	26mm	12.7	12mm	LINCB6B8
26mm	27mm	12.7	16mm	LINCB8B8
29mm	27mm	12.7	19mm	LINCB10B8

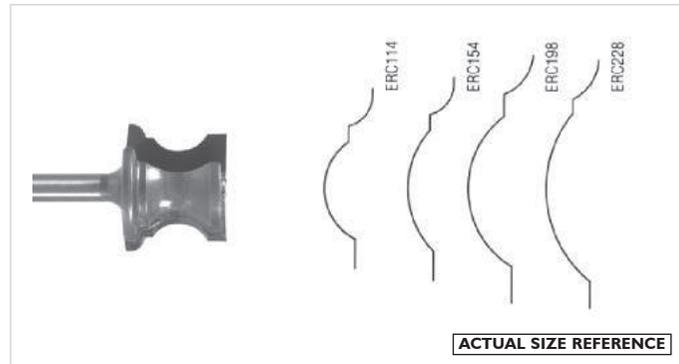


### SHALLOW FORM EDGE RADIUS BITS

These cutters cut a variety of radii with eased edges. The adjustment of machine height will give various blended radius forms.

DIA	CUTTER HT	SHK	RAD	OPENING	PART NO.
32mm	43mm	12.7	22mm	32mm	LINSER308
25mm	40mm	12.7	38mm	32mm	LINSER328
25mm	50mm	12.7	65mm	40mm	LINSER408
20mm	60mm	12.7	75mm	50mm	LINSER508

### EDGE RADIUS BITS



### CLASSICAL BEAD EDGE RADIUS BITS

This two-flute cutter has an unusual bead profile for shelves, furniture tops and trimming moulds.

DIA	CUTTER HT	SHK	OPENING	PART NO.
26mm	24mm	6.4	15mm	LINERC154
32mm	32mm	12.7	19mm	LINERC198
32mm	32mm	12.7	22mm	LINERC228

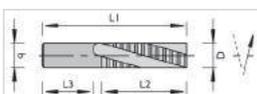
### RETRO FIT ROUTER BITS



### WEATHER STRIP GROOVING

These cutters are perfect for fitting Aquamae, Raven and Schleger weather seal strip and smoke seals using a portable router. The router bits have a 60mm long shank for deep rebates for retro fitting of draft strips. A small trim router with 1/4 (6.4mm) collets is recommended. This enables the cutter to cut into square corners.

DIA	SHK	CED	KERF	BEARING	PART NO.
1/4 (6.4mm)	23/8 (60mm)	31	2.0	B16	LINDS24
1/4 (6.4mm)	23/8 (60mm)	31	2.5	B16	LINDS254
1/4 (6.4mm)	23/8 (60mm)	31	3.0	B16	LINDS34
1/2 (12.7mm)	23/8 (60mm)	34	2.0	B198x2pce	LINDS28
1/2 (12.7mm)	23/8 (60mm)	34	2.5	B198x2pce	LINDS258
1/2 (12.7mm)	23/8 (60mm)	34	3.0	B198x2pce	LINDS38



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## LINBIDE Carbide Tipped Router Bits

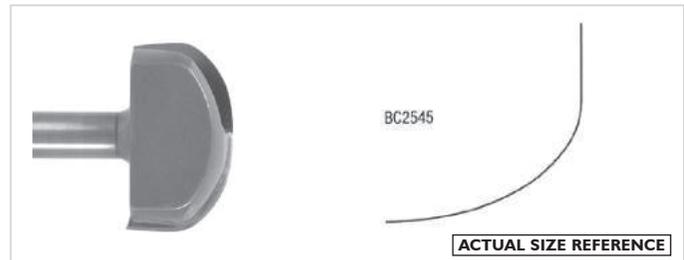


### MOULDING BITS

#### BOWL AND TRAY BITS

Excellent for routing out bowls, trays and boxes. The bit is arranged with a 25mm radius blending into a 45mm radius.

DIA	CUTTER HT	SHK	PART NO.
50	25	12.7	LINBC2545



#### BOWL AND TRAY BITS

For routing trays, bowls, plates and boxes. A wide surface cut to quickly remove excess material.

– LINDC28 & LINDC38 is suitable for draining board grooves on solid surface bench tops.

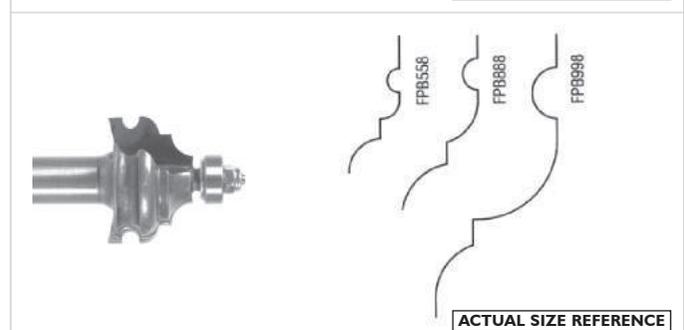
DIA	CUTTER HT	SHK	RAD	PART NO.
19	15	6.4	4mm	LINDC44
16	18	12.7	3mm	LINDC28
19	18	12.7	3mm	LINDC38
30	18	12.7	5mm	LINDC58
30	18	12.7	6mm	LINDC68



#### CLASSICAL WITH BEAD BITS

An elegant design for reproduction furniture. Three profiles give a choice of sizes to suit various timber sizes. B13 bearing is standard.

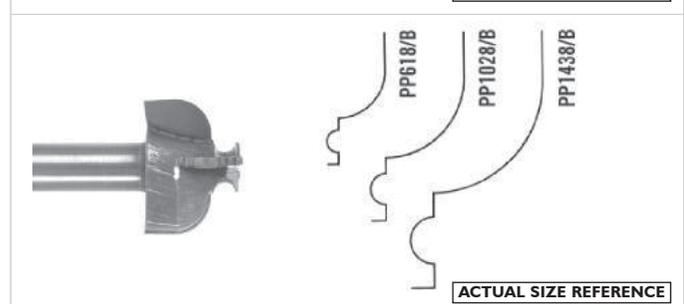
DIA	CUTTER HT	SHK	PART NO.
25	18	12.7	LINFPB558
32	21	12.7	LINFPB888
44	37	12.7	LINFPB998



#### COVE WITH BEAD BITS

This combination cove and bead cutter can be used in a variety of ways to produce mouldings, furniture plinths and facings.

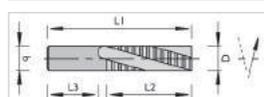
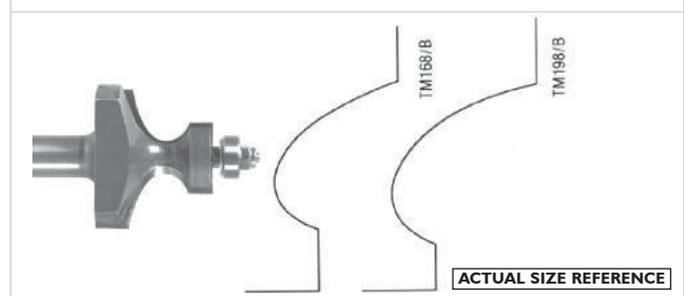
DIA	CUTTER HT	SHK	PART NO.
28	17	12.7	LINPP618B
37	23	12.7	LINPP1028B
47	32	12.7	LIN1438B



#### THUMB AND MOULD BITS

A common mould used by cabinet makers for furniture tops. The bit will make a complete thumb mould with under cut. B13 bearing.

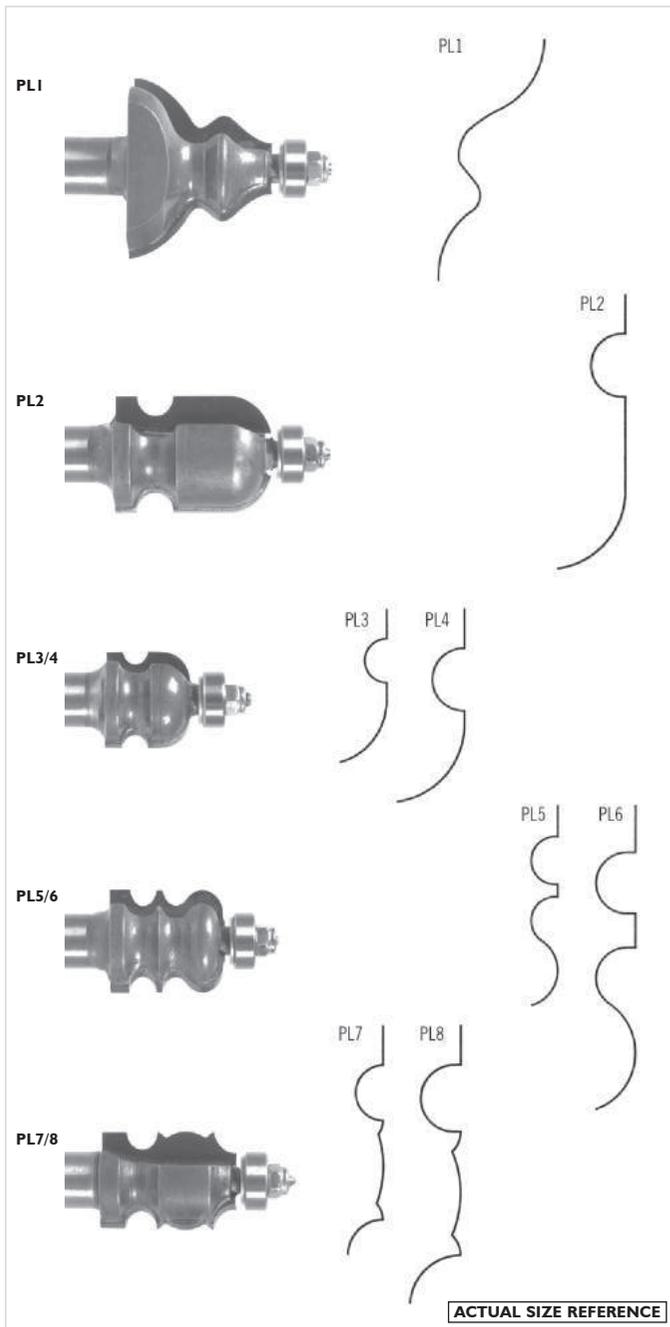
DIA	CUTTER HT	SHK	PART NO.
45	34	12.7	LINTM168
45	34	12.7	LINYM168B
50	35	12.7	LINTM198B



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## LINBIDE Carbide Tipped Router Bits

### PLINTH BITS

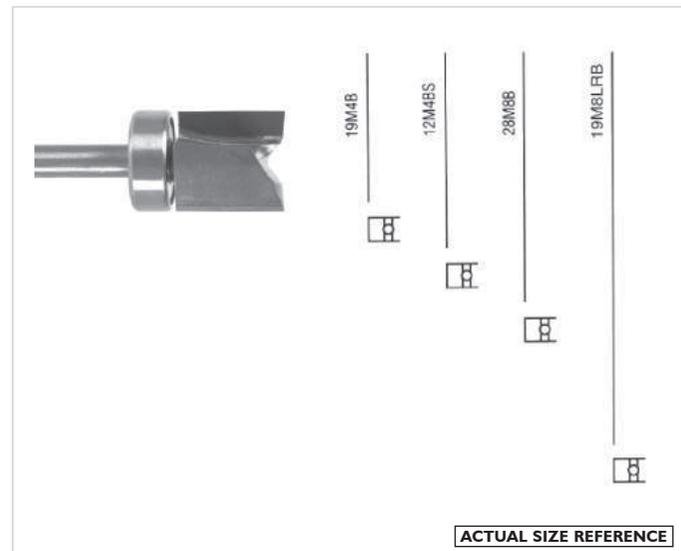


#### PLINTH ROUTER BITS

Plinth cutter will give cabinets that special appearance. Ideal for trimming cabinet bases, panel mouldings and door casings. – B13 bearing fitted as standard. B9 bearing optional makes 2mm (3/32") deeper cut.

DIA	CUTTER HT	SHK	PART NO.
26	39	12.7	LINPL6
22	30	12.7	LINPL7

### INVERTED ROUTER BITS



#### INVERTED FLUSH TRIM AND PROFILING BITS

Suitable for router tables, the ball bearing guide is fitted to the cutter shank. This enables templates to be mounted under the material.

DIA	CUTTER HT	SHK	PART NO.
12.7	12	6.4	LIN12M4812
12.7	25	6.4	LIN12M4BS
19	19	6.4	LIN19M4B
19	50	12.7	LIN19M8LRB
28.5	32	12.7	LIN28M8B

#### DOUBLE BEARING FLUSH TRIM BIT

This cutter has bearings at each end of the cutter for use with templates mounted under or over the product. Bearings B19 and SBKB198.

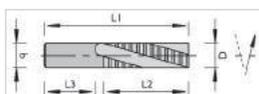
DIA	CUTTER HT	SHK	PART NO.
19	50		LIN19M8DB



#### INVERTED BEVEL BIT

A useful cutter for bevelling and chamfers using a router table. A B28 bearing is fitted.

DIA	CUTTER HT	SHK	PART NO.
28	22	12.7	LINVG288INV



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## LINBIDE Carbide Tipped Router Bits

### PLINTH BITS

PL1

PL2

PL3/4

PL5/6

PL7/8

PL1

PL2

PL3

PL4

PL5

PL6

PL7

PL8

ACTUAL SIZE REFERENCE

### PLINTH ROUTER BITS

Plinth cutter will give cabinets that special appearance. Ideal for trimming cabinet bases, panel mouldings and door casings. – B13 bearing fitted as standard. B9 bearing optional makes 2mm (3/32") deeper cut.

DIA	CUTTER HT	SHK	PART NO.
26	39	12.7	LINPL6
22	30	12.7	LINPL7

### INVERTED ROUTER BITS

P470INV

P469INV

ACTUAL SIZE REFERENCE

### INVERTED CLASSICAL PROFILE BITS

A convenient bit for profiling with router tables. The template is between the table and the work for easy operation. A B28 bearing is fitted

DIA	CUTTER HT	SHK	PART NO.
28	12.7	12.7	LINP469INV
28	16	12.7	LINP470INV

R0108INV

R068INV

ACTUAL SIZE REFERENCE

### INVERTED ROUNDING OVER BITS

For corner radius of furniture using a router table and guide pattern. A B28 bearing is fitted.

DIA	CUTTER H	SHK	PART NO.
28	13	12.7	LINRO68INV
28	17	12.7	LINRO108INV

688INV

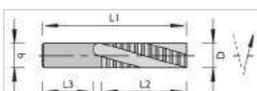
588INV

ACTUAL SIZE REFERENCE

### INVERTED REVERSE CLASSICAL PROFILE BITS

Add classic style to furniture tops. Works well on router tables. A B28 bearing is fitted

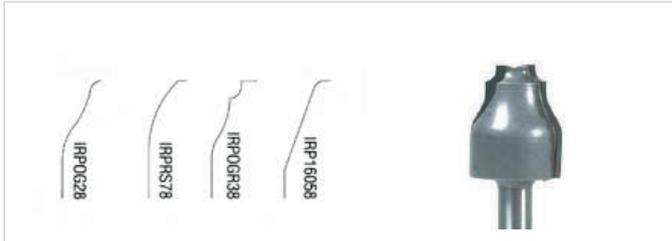
DIA	CUTTER HT	SHK	PART NO.
28	16	12.7	LIN558INV
28	17	12.7	LIN668INV



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## LINBIDE Carbide Tipped Router Bits

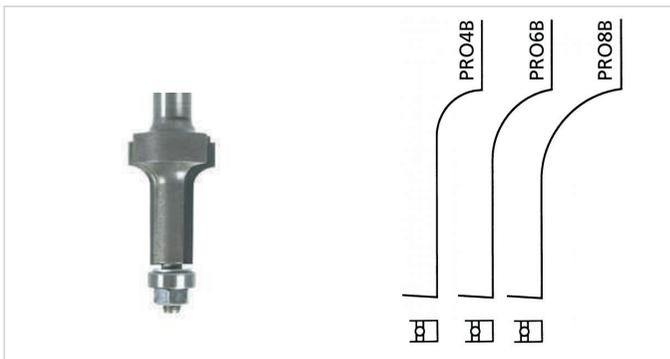
### INVERTED ROUTER BITS



#### INVERTED RAISED PANEL CUTTERS

Use inverted raised panel bits where the hole in the router base limits the diameter of the cutter. We recommend making a router table fence taller to support the panel. Always make a series of light cuts. Caution: Never run the material between the fence and the cutter.

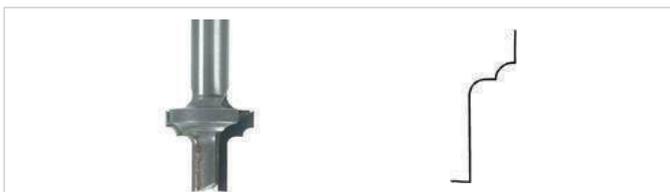
DIA	CUTTER HT	SHK	PART NO.
35	41	12.7	LINIRP16058
36	41	12.7	LINIRPOGR38
32	41	12.7	LINIRPR578
32	41	12.7	LINIRPOG28



#### ROUNDING OVER & PROFILING BITS WITH BALL BEARING GUIDE

Excellent for cutting product to size and moulding in one operation. Use with a pattern and ball bearing guide. Made for solid surface bench tops. Use B16 ball bearing  
-Diameter of straight section 16mm

DIA	CUTTER HT	SHK	PART NO.
28	40	12.7	LINPRO4B
32	40	12.7	LINPRO6B
39	40	12.7	LINPRO8B

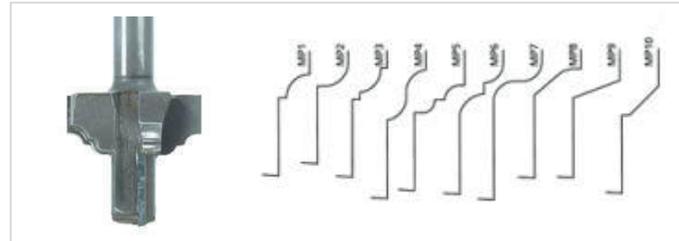


#### BEAD OVOLO & TRIM CUTTERS

Ideal for quick forming and profiling of tops and panels. The cutter is arranged for 16mm to 20mm thick material. Works well on CNC routers

DIA	CUTTER HT	SHK	PART NO.
28	28	12.7	LINCD35

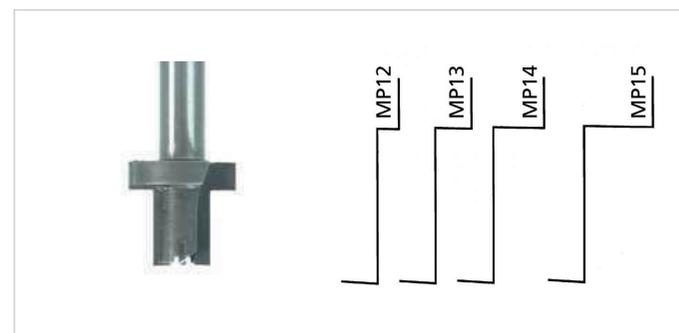
### PROFILE AND FURNITURE MOULDING BITS



#### MOULDING AND PROFILING BITS

Excellent for large production of profile and moulded 16mm to 20mm panels on CNC or overhead pattern routing. The cutters are fitted with a tungsten carbide drilling end to produce a clean starting hole. All cutters have a 16mm parallel section to give good chip clearance for full depth cutting.

DIA	CUTTER HT	SHK	PART NO.
32	33	12.7	LINMP1
28	30	12.7	LINMP2
34	38	12.7	LINMP3
36	38	12.7	LINMP4
42	36	12.7	LINMP5
39	37	12.7	LINMP6
41	38	12.7	LINMP7
40	34	12.7	LINMP8
40	34	12.7	LINMP9



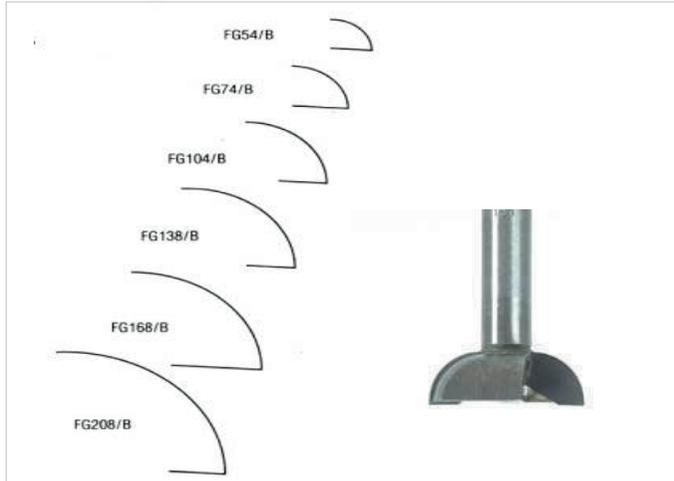
#### STEPPED PROFILE CUTTERS

This is arranged to profile and form rebates in one operation on CNC equipment. It is also ideal for drilling and counter-boring in one operation. The cutters have a tungsten carbide drilling end to produce a clean starting hole. This portion of the cutter is 16mm diameter x 20mm long.

DIA	HT	CUTTER REBATE	SHK	PART NO.
22	28	3	12.7	LINMP12
25	28	5	12.7	LINMP12
30	28	6.4	12.7	LINMP12
35	28	9	12.7	LINMP12

## LINBIDE Carbide Tipped Router Bits

### DRAWER PULL & COMBINATION BITS



#### DRAWER PULL BITS FINGER GRIP WITHOUT BEARING GUIDE

A useful cutter for making finger grips on cupboards and drawers. For use with router fence.

DIA	CUTTER HT	SHK	RAD	PART NO
23	5	6.4	5	LINFG54
27	7	6.4	7	LINFG74
33	10	6.4	10	LINFG104
39	13	12.7	13	LINFG138
45	16	12.7	16	LINFG168
53	20	12.7	20	LINFG208

#### DRAWER PULL BITS FINGER GRIP WITH BEARING GUIDE

A useful cutter for making finger grips on cupboards doors and drawers. B13 bearing fitted as standard.

DIA	CUTTER HT	SHK	RAD	PART NO
23	5	6.4	5	LINFG54B
27	7	6.4	7	LINFG74B
33	10	6.4	10	LINFG104B
39	13	12.7	13	LINFG138B
45	16	12.7	16	LINFG168B
53	20	12.7	20	LINFG208B

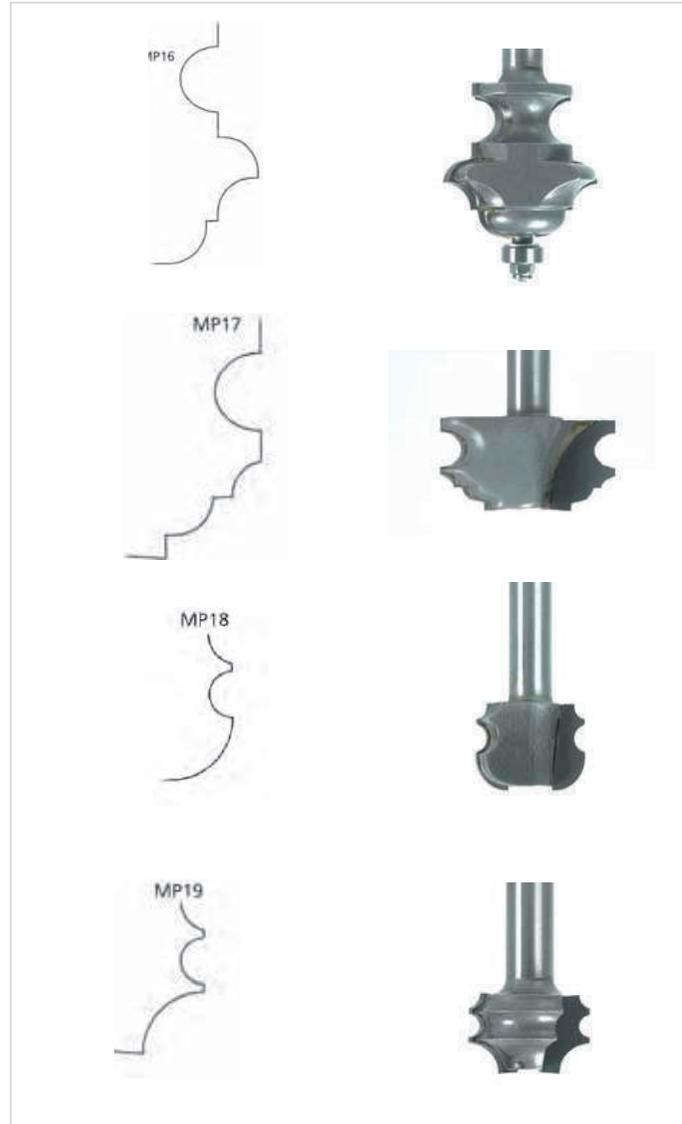


#### DRAWER PULL BIT- SQUARE STYLE

Suitable to mould the grip on cupboard and drawers. Makes a clean flat bottom handle grip. Will also make male handle grips

DIA	CUTTER HT	SHK	PART NO.
23	22	12.7	LINDP2258

### COMBINATION (MULTI FORM) ROUTER BITS



#### COMBINATION (MULTI FORM) ROUTER BITS

By using a router table and raising or lowering the bit, or adjusting the fence in or out, the varieties of profile are almost endless. MP16 is fitted with B13 bearing

DIA	CUTTER HT	SHK	PART NO
49	45	12.7	LINMP16
50	32	12.7	LINMP17
32	19	12.7	LINMP18
32	20	12.7	LINMP19

## LINBIDE Carbide Tipped Router Bits

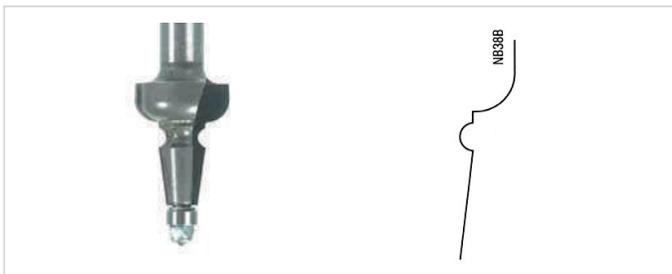
### NOSING & REBATING BITS



#### NOSING BIT WITH COVE

A stylish profile for reproduction furniture, shelves and edges. B13 bearing as standard. Fit B9 bearing for beading

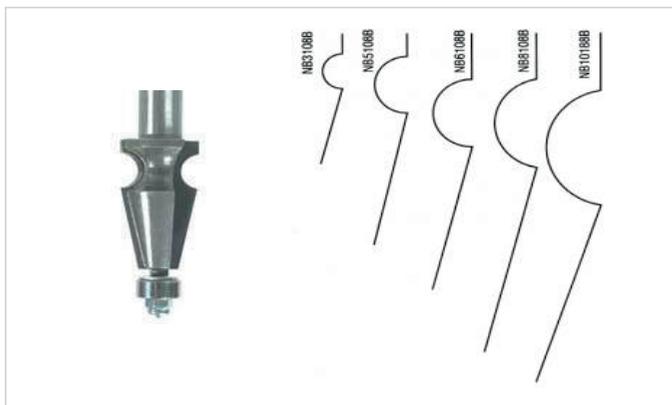
DIA	CUTTER HT	SHK	PART NO
25.4	34	12.7	LINNB28B



#### NOSING BIT WITH COVE

This reproduction mould has a blend taper to suit material wider than the cutter length. B9 bearing is standard

DIA	CUTTER HT	SHK	PART NO
25.4	34	12.7	LINNB38B



#### BEVEL AND BEAD MOULDING BITS

Suitable to mould the grip on cupboard doors and drawers. Makes a clean flat bottom handle grip. Will also make male handle grips

DIA	CUTTER HT	SHK	PART NO
19	23	12.7	LINNB3108B
23	37	12.7	LINNB5108B
25.4	45	12.7	LINNB6108B
29	56	12.7	LINNB8108B
33	61	12.7	LINNB10188B

### CLASSICAL REGENCY & REEDING BITS



#### EDGE FORM BITS WITH REGENCY FORM

The reed form is ideal for edges of tables, mantles and cabinet tops

DIA	CUTTER HT	SHK	PART NO
27	32	12.7	LINER79
27	32	12.7	LINER79B



#### EDGE FORM BITS WITH REGENCY FORM

Regency decorative edge cutters for period furniture. This form is for ball and claw legs

DIA	CUTTER HT	SHK	PART NO
23	32	12.7	LINER80C
23	32	12.7	LINER80CB



#### DRAWER PULL BITS FINGER GRIP WITH BEARING GUIDE

A useful cutter for making finger grips on cupboards doors and drawers. B13 bearing fitted as standard.

DIA	CUTTER HT	SHK	RAD	PART NO
23	5	6.4	5	LINFG54B
27	7	6.4	7	LINFG74B
33	10	6.4	10	LINFG104B
39	13	12.7	13	LINFG138B
45	16	12.7	16	LINFG168B
53	20	12.7	20	LINFG208B

## LINBIDE Carbide Tipped Router Bits

### CLASSICAL REGENCY & REEDING BITS



#### EDGE FORM BITS WITH REGENCY FORM

A common profile used on the legs of small regency tables

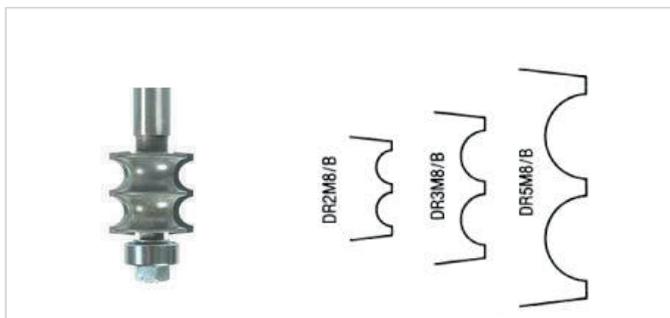
DIA	CUTTER HT	SHK	PART NO
23	32	12.7	LINER80E
23	32	12.7	LINER80EB



#### EDGE FORM BITS

This cutter faces edges of material and forms top and bottom radius in one cut. The radius form blends away to accept variations of material thickness

DIA	CUTTER HT	SHK	FORM HEIGHT	PART NO
29	32	12.7	32	LINER78
29	32	12.7	32	LINER78B



#### EDGE FORM BITS WITH DOUBLE REED FORM

Double reed form for wider mouldings on edges, legs and mantels

DIA	CUTTER HT	SHK	PART NO
23	11	12.7	LINDR2M8
25.4	16	12.7	LINDR3M8
29	26	12.7	LINDR5M8
23	11	12.7	LINDR2M8B
25.4	16	12.7	LINDR3M8B
29	26	12.7	LINDR5M8B

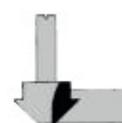
### CLASSICAL REGENCY & REEDING BITS

#### MITRE LOCK BITS

For some time the mitre lock joint has been a problem to accurately produce consistently. The difficulty is making a square joint, because one panel has to be machined flat and the other panel must be cut in the possibly unstable vertical position. **This problem is now solved!** Both panels are now able to be machined on the flat - where maintenance of accuracy is assured. Note: It is recommended that a router table be used to assist in the accuracy of the cuts. **ALL CUTS ARE PRODUCED WITH THE PANELS ON A HORIZONTAL POSITION.** Instructions are supplied.

DIA	DESCRIPTION	MATERIAL SIZE	PART NO
25		9mm to 12mm	LINML124SET
	Spare Miter Cutter		LINML124
	Spare Groove Cutter		LIN3.2M4
39		16mm to 22mm	LINML228SET
	Spare Miter Cutter		LINML228
	Spare Groove Cutter		LIN6M8
64		22mm to 32mm	LINML348SET
	Spare Miter Cutter		LINML348
	Spare Groove Cutter		LIN6M8

#### HOW TO PRODUCE A MITRE LOCK JOINT



##### STEP 1

First 45° tongue is produced in panel "A" using Bit No 1.



##### STEP 2

Second 45° tongue is produced in Panel "B" using bit No 1 also.



##### STEP 3

The trench is produced in Panel "B" with Bit No 2. A strip of waste is produced.



##### STEP 4

Line up panel "A" tongue with trench in Panel "B" then join

## LINBIDE Carbide Tipped Router Bits

### MITRE LOCK BITS



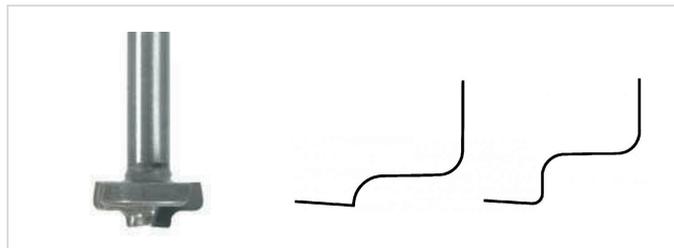
#### MITRE LOCK BITS FOR ALUMINIUM & MELAMINE COUNTER UNITS

Plankwall supply specials aluminium section

DIA	CUTTER HT	SHK	PART NO
62	32	12.7	LINCG1035

DIA	GROOVE	SHK	PART NO
74	2	12.7	LINCG1035SL.2
74	3	12.7	LINCG1035SL

### PROFILE BITS FOR WARDROBE DOORS



#### ROMAN OGEE BITS - FLAT PROFILE

Make beautiful moulds in the door face. The form is arranged to cut two sizes. P497 cuts 5mm deep. P498 cuts 7mm deep

DIA	CUTTER HT	SHK	PART NO
35	12.7	12.7	LINP497
32	12.7	12.7	LINP498



#### CLASSICAL BIT - SHALLOW PROFILE

Ideal combination bit for shallow cutting depths on wardrobe doors. Changes of depth gives two styles of mould.

DIA	CUTTER HT	SHK	PART NO
35	12.7	12.7	LINP499

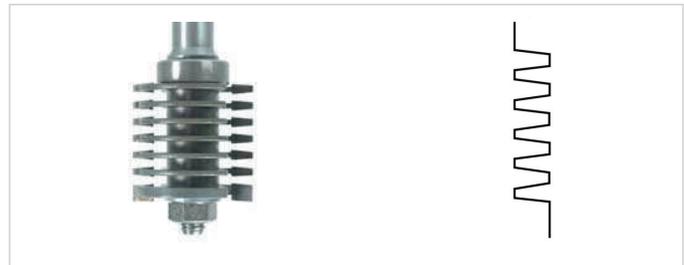
### CLASSICAL REGENCY & REEDING BITS



#### ROMAN OGEE BITS - FLAT PROFILE

Used for cutting profile edge of the doors. This ogee bit has a low profile on the end of the bit. This allows shallow depths of 8mm to be made on the door face

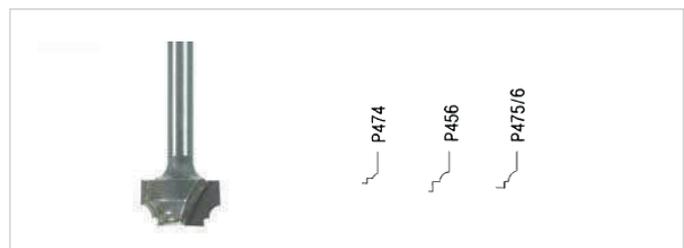
DIA	CUTTER HT	SHK	PART NO
25.4	12	12.7	LINP496



#### ROMAN OGEE BITS - FLAT PROFILE

With this bit, professional finger joints can be made. The glued joint is stronger than the wood. This cutter will joint end grain and long grain with out difficulty. A router table is recommended  
Finger depth pitch

DIA	CUTTER HT	SHK	PART NO
40	40	12.7	LINFJA8



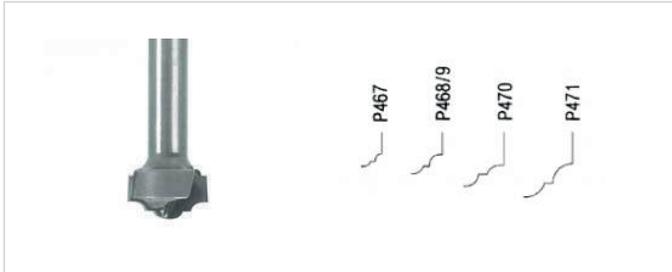
#### TRADITIONAL BITS

This cutter is very attractive where a wide shallow decorative cut is required, especially on cupboard doors

DIA	CUTTER HT	SHK	PART NO
12.7	10	6.4	LINP474
19	12.7	6.4	LINP475
19	12.7	12.7	LINP476
16	16	12.7	LINP456

## LINBIDE Routers And Accessories

### PROFILE BITS FOR CUPBOARD DOORS



#### CLASSICAL BITS

This shape is very popular on doors, furniture edges and grooving giving a beautiful decorative panel effect.

DIA	CUTTER HT	SHK	PART NO
12.7	10	6.4	LINP467
19	12.7	6.4	LINP468
19	12.7	12.7	LINP469
25.4	16	12.7	LINP470
30	19	12.7	LINP471



#### RAISED PANEL BIT

To cut edges and surface cuts of door panels

DIA	CUTTER HT	SHK	PART NO
27	10	12.7	LINP480

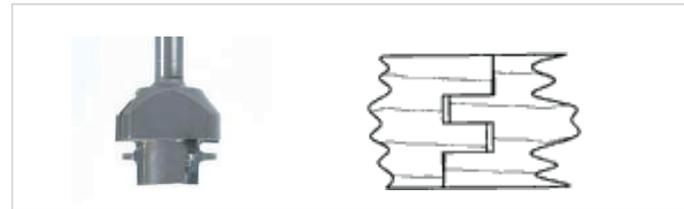


#### CUPBOARD DOOR LIP BIT

This is one-piece cutter has a balanced profile and with the tapered rebate simplifies fitting the cupboard doors

DIA	CUTTER HT	SHK	PART NO
52	33	12.7	LINCDR88

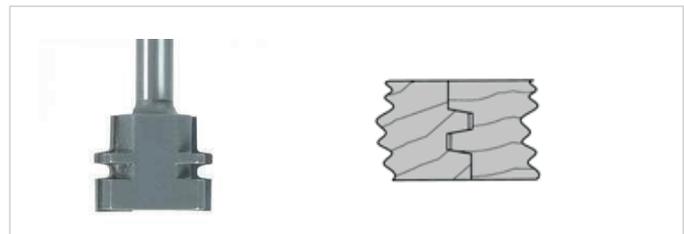
### FURNITURE JOINING BITS



#### GLUE JOINT BIT - ADJUSTABLE

This reversible (F joint) edge glue joint cutter has many uses in the wood workshop. It is made with shim adjustment which enables the operator to mould a tight fit for lengths up to 500mm and a loose fit for length over 500mm. Maximum material thickness 25mm

DIA	CUTTER HT	SHK	PART NO
37	32	12.7	GJ378



#### GLUE JOINT BIT - NON ADJUSTABLE

Non adjustable glue joint cutters are of a simple design and reasonable in cost. They will make strong glue up panels quickly and accurately. Maximum material thickness 25mm

DIA	CUTTER HT	SHK	PART NO
37	32	12.7	FGJ8



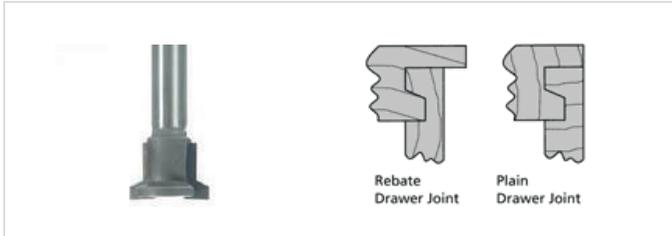
#### BEAD JOINT BITS

A simple method to give a dust stop joint for folding doors and display cabinets

DIA	CUTTER HT	SHK	RAD	PART NO
19	20	6.4	3	LINBJM3
22	20	6.4	3	LINBJF3
22	25.4	6.4	5	LINBJM5
22	25.4	6.4	5	LINBJF5

## LINBIDE Routers And Accessories

### FURNITURE JOINING BITS

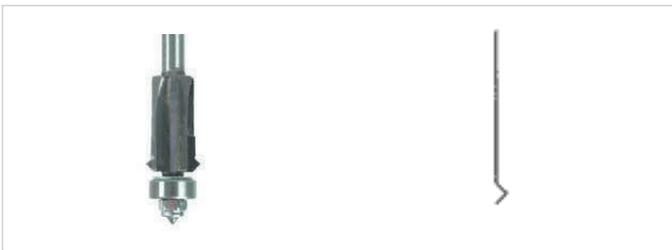


#### DRAWER JOINT BIT

This reversible cutter makes reliable joints for drawer fronts and sides. It will also make the complete joint for rebate drawer fronts

DIA	CUTTER HT	SHK	PART NO
32	19	12.7	LINDJ328

### FLUSH TRIM PANEL BITS



#### FLUSH TRIM PANEL BIT WITH VEE GROOVE

Cut away excess overhang where frame joins to cabinet sides, at the same time making a decorative Vee detail. B13 bearing is standard

DIA	BEARING	CUTTER L	PART NO
13	B13	25.4	LINV13M4BL

### SOLID SURFACE ROUTER BITS & KITS

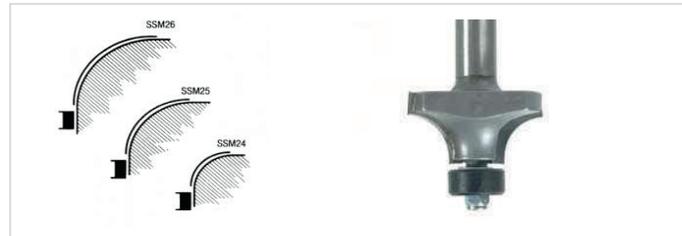


#### SINK TOP DRAIN BITS

The cutters produce radius corner grooves in solid surface bench tops. 3mm radius.

DIA	LENGTH OF CUT	PART NO
15	20	LINDC28
19	20	LINDC38

### SOLID SURFACE ROUTER BITS & KITS



#### ROUNDING OVER BITS

Rounding over bits for bull nose radius edge. For under side use in conjunction with SSM17 and SSM18. Fitted with Nomark bearings. Fit a SS8 bearing to produce a full edge radius in conjunction with SSM17 and SSM18

DIA	CUTTER HT	BEARING	PART NO
33	14	SS1	LINSSM24
43	20	SS1	LINSSM25
50	24	SS1	LINSSM26



#### COVE BIT 90° FLANK

To cut corner radius with blending flank on the top and upstand in one past. A special 45° jig is required to hold router at 45° to vertical

DIA	SHK	CUTTER HEIGHT	PART NO
31	12.7	20	LINP3870



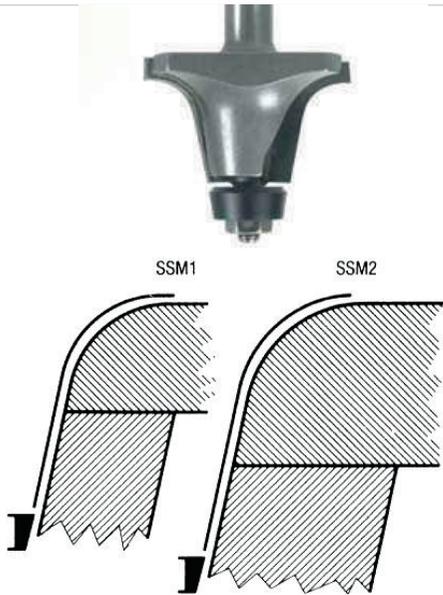
#### COVE BIT

The cove bit has an extended shank to cut coves into the upstand corner

DIA	RADIUS	CUTTER HEIGHT	PART NO
19	9.5	19	LINP45ILR

## LINBIDE Routers And Accessories

### ROUNDING OVER BOWEL BITS



Rounding over and bevel form for undermounting of bowls fitted with Nomark Bearing guide.

DIA	CUTTER HT	BEARING	PART NO
54	30	SS6	LINSSM1
56	36	SS6	LINSSM2

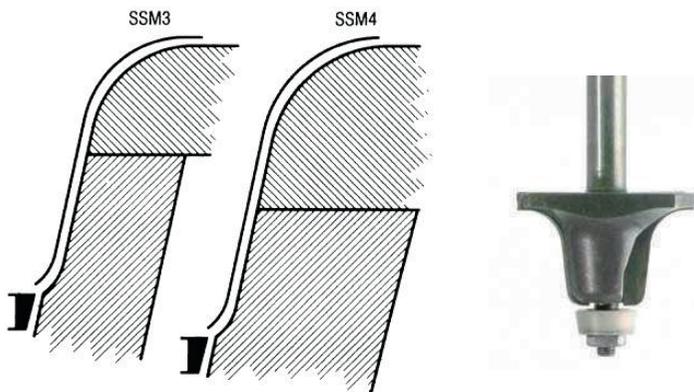
### COUNTERTOP BITS



An all one piece lip forming bit with Nomark bearing guide

DIA	CUTTER HT	BEARING	PART NO
25.4	24	SS2	LINSSM5
25.4	24	SS2	LINSSM6

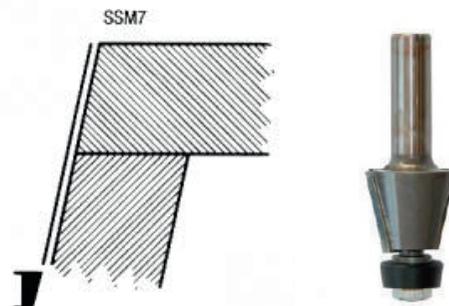
### ROMAN OGEE BOWL BITS



Roman ogee form complete with rounding over the top and bevelling of face to blend bowl form. Fitted with Nomark bearing guide

DIA	CUTTER HT	BEARING	PART NO
60	36	SS6	LINSSM3
61	41	SS6	LINSSM4

### BEVEL BOWL BITS

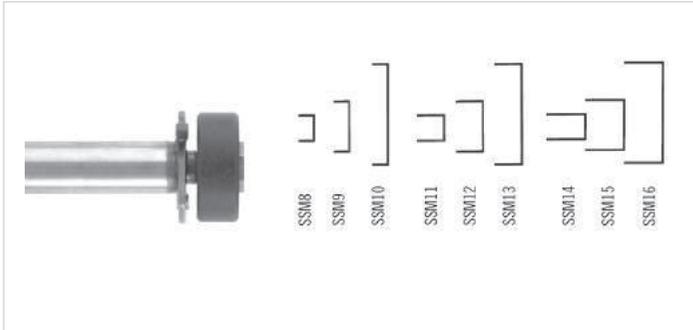


For bevelling the top and blending to bowl sides. Fitted with Nomark bearings.

DIA	CUTTER HT	BEARING	PART NO
32	5.4	SS6	LINSSM7

## LINBIDE Routers And Accessories

### FACE INLAY BITS

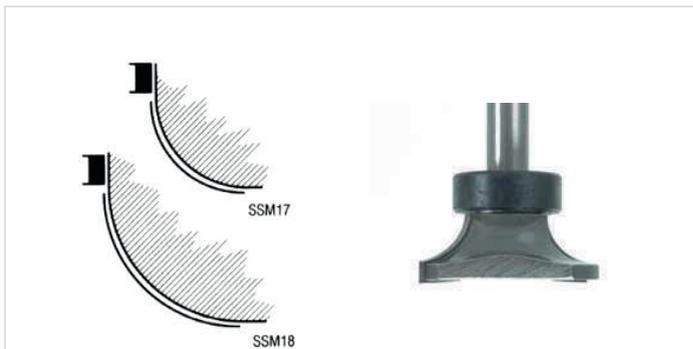


#### FACE INLAY BITS

Where inlays are required these bits produce a choice of grooves to take veneer, brass, plastic or other strip material.

DIA	INLAY W	INLAY D	BEARING	PART NO
29	3	1.5	SS4	LINSSM8
29	6.4	1.5	SS4	LINSSM9
29	12.7	1.5	SS4	LINSSM10
29	3	3	SS3	LINSSM11
29	6.4	3	SS3	LINSSM12
29	12.7	3	SS3	LINSSM13
29	3	4.5	SS2	LINSSM14
29	6.4	4.5	SS2	LINSSM15
29	12.7	4.5	SS2	LINSSM16

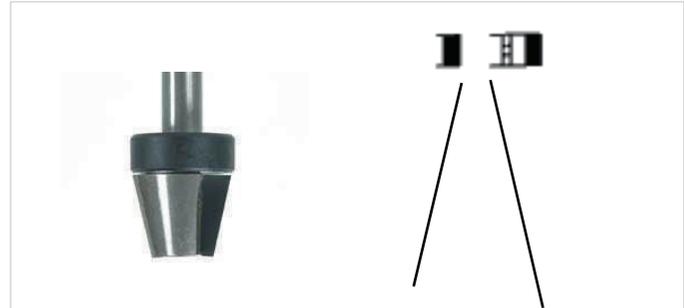
### ROUNDING UNDER BITS



Rounding under bit for bull nose radius. For top cut use rounding over bits SSM25 or SSM26. Fitted with Nomark bearing guide.

DIA	CUTTER HT	BEARING	RAD	PART NO
58	19	SS5	13	LINSSM17
70	25.4	SS5	19	LINSSM18

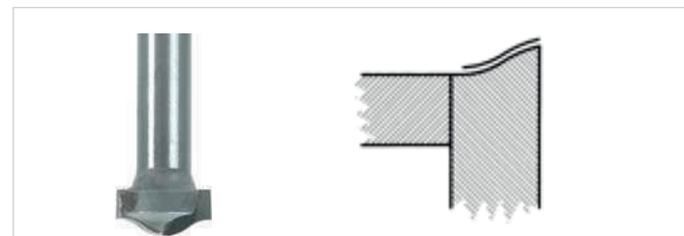
### INVERTED GUIDE BEVEL BITS



To bevel tops oversize prior to moulding bowl cut out. Fitted with Nomark bearing guide. For undercut dovetail bits without bearing refer to dovetail bits.

DIA	CUTTER HT	BEARING	PART NO
32	25.4	SS5	LINSSM21
30	27	SS5	LINSSM22

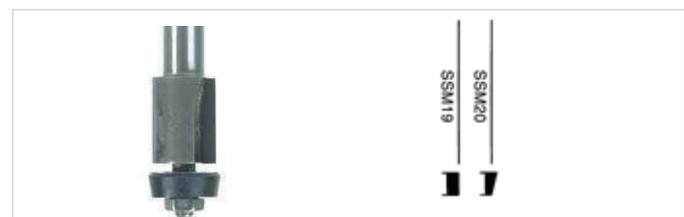
### ROMAN OGEE BIT



Produces shallow Roman ogee bench top edge to retain water on top, usually used in conjunction with SSM24. Rounding over bit to complete the form.

DIA	CUTTER HT	PART NO
22	10	LINSSM23

### INLAY TRIMMING BITS

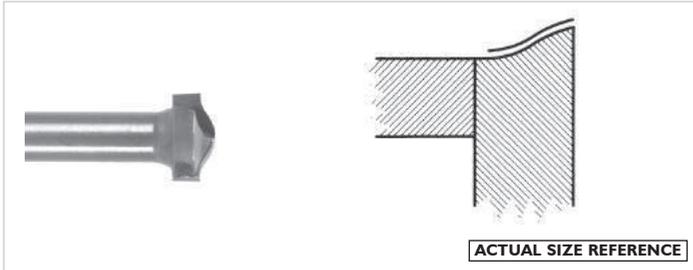


For Flush trimming on edges and joints. SS2 fitted with straight Nomark bearing guide. To trim edges of bowl cutout using angle bearing to blend to bowl. SS7 fitted with tapered Normark bearing guide.

DIA	CUTTER HT	BEARING	PART NO
19	26	SS2	LINSSM19
19	26	SS7	LINSSM20

## LINBIDE Carbide Tipped Router Bits

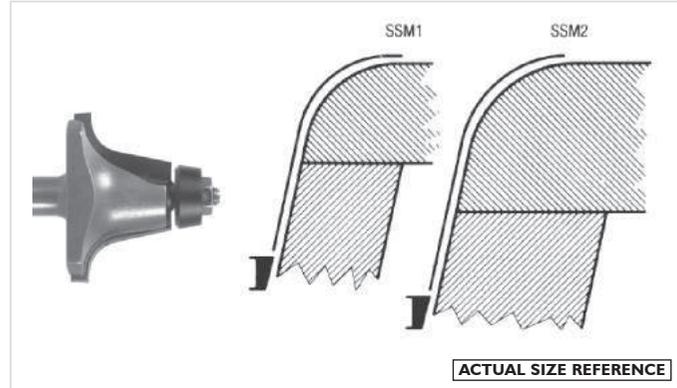
### SOLID SURFACE ROUTER BITS



#### ROMAN OGEE

Produces shallow Roman Ogee bench top edge to retain water on the top, usually used in conjunction with LINSSM24. Rounding over bit to complete the form.

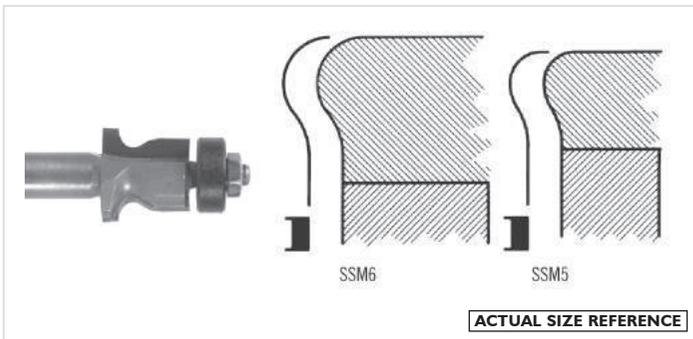
OD	L2	Od	PART NO.
22	10	12.7	LINSSM23



#### ROUNDING OVER BOWL BIT

Rounding over and bevel form for undermounting of bowls fitted with Nomark Bearing guide.

OD	L2	Od	PART NO.
56	30	12.7	LINSSM2



#### COUNTER TOP PROFILE ROMAN OGEE

An all one piece lip forming bit with Nomark bearing guide.

OD	L2	Od	PART NO.
25	24	12.7	LINSSM6

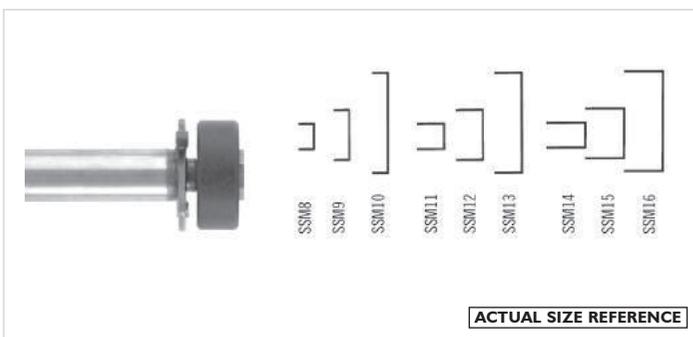


#### SOLID SURFACE REPAIR KIT

This repair kit is very similar to the Solid Surface Inlay and Seam Kit. The big difference is that the router bit has a 5° taper to it so that the repair doesn't fall through the counter top. A template is needed just as in the inlay kit, the procedure for routing is a little different though. This template is first attached to the counter top needing the repair. Then, with a special collar installed on the template guide provided, route around the inside of your pattern throwing the inside away. Next move the template to the material you will make the repair from, except this time you will flip the template upside down before routing. This needs to be done since the inlay will need to be flipped over to fit into the repair. The repair kit comes with complete instructions.

**Test this repair kit on scrap material before starting the job.**

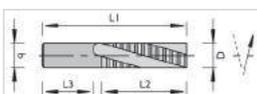
PART NO.
LINRKDMP10



#### FACE INLAY BITS

Where inlays are required these bits produce a choice of grooves to take veneer, brass, plastic or other strip material.

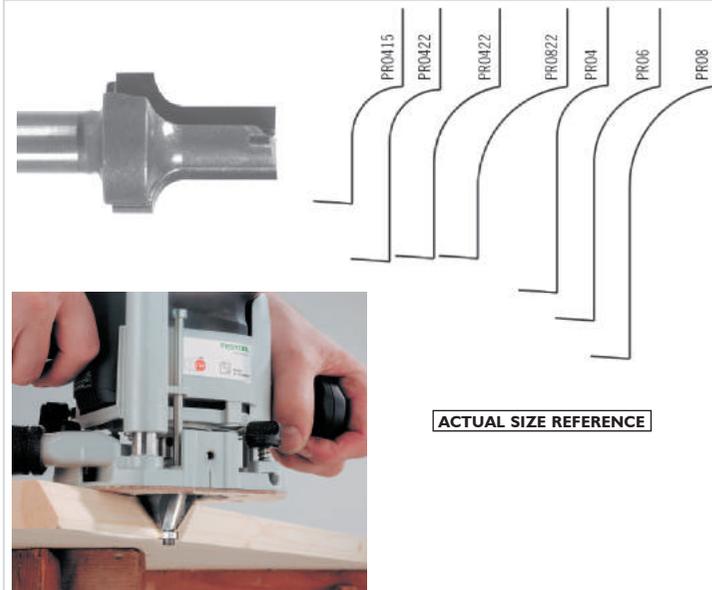
CED	inlay	SHK	PART NO.
29	3.0	12.7	LINSSM14
29	12.0	12.7	LINSSM16



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) LI = Overall Length (mm)

## LINBIDE Carbide Tipped Router Bits

### PROFILE AND FURNITURE MOULDING BITS

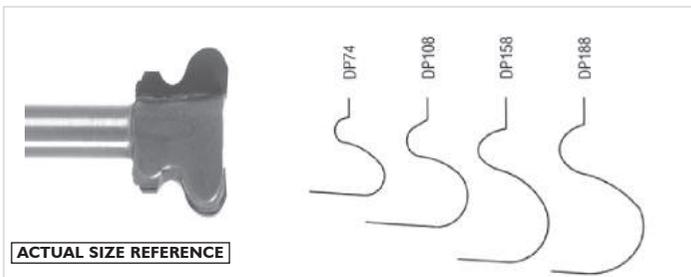


#### ROUNDING OVER AND PROFILING BITS

Excellent for cutting product to size and moulding in one operation. Use with a pattern or CNC equipment.

DIA	CUTTER HT	RADIUS	PART NO
28	36	6.5	LINPRO4
28	25	6.5	LINPRO415
28	30	6.5	LINPRO422
32	40	10	LINPRO6
32	30	10	LINPRO622
39	45	13	LINPRO8
39	30	13	LINPRO822

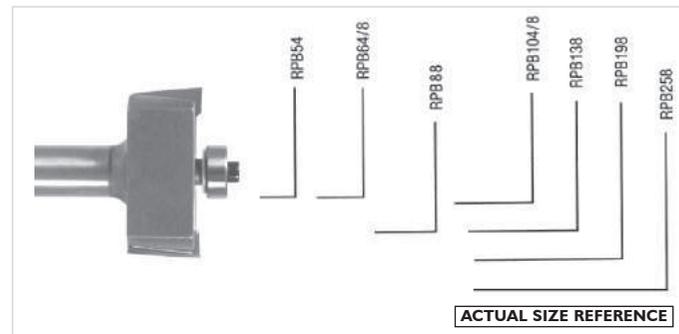
### DRAW PULL AND COMBINATION BITS



#### DRAW PULL BIT S-BEND STYLE

These cutters are made in a variety of graduated sizes to suit various thickness of material. All cutters will make double sided handle grip.

DIA	CUTTER HT	SHK	PART NO.
25.4	10		LINDP74
33	13	12.7	LINDP108
40	17	12.7	LINDP158
42	19	12.7	LINDP188

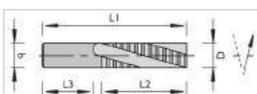


#### REBATING BITS

These cutters will produce fast smooth rebating without the use of the router machine guide.

– LINRPB258 will produce 25mm (1") rebates for windows to conform to marine standards. 12,000 RPM maximum speed for LINRPB258.

DIA	CUTTER HT	SHK	PART NO.
5.0	13	6.4	LINRPB54
6.0	13	6.4	LINRPB64
10.0	13	6.4	LINRPB104
6.0	13	12.7	LINRPB68
8.0	13	12.7	LINRPB88
10.0	13	12.7	LINRPB108
13.0	16	12.7	LINRPB138
19.0	18	12.7	LINRPB198
25.0	18	12.7	LINRPB258



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## LINBIDE Router Accessories

### BEARINGS



#### BALL BEARING GUIDES, CAP SCREWS

Spare bearing for router bits.

DIA	BORE	PART NO.
6.4	3.2	LINB64
9	4	LINB9
12.7	4.7	LINB127
12.7	6.4	LINB1274
13	4	LINB13
16	6.4	LINB16
19	6	LINB196
19	6.4	LINB19
19	12.7	LINB198
22	8	LINB22
28.5	12.7	LINB28

#### No Mark Bearings

17	4	LINSS1
20	6.4	LINSS2
21	6.4	LINSS6
23	6.4	LINSS3
26	6.4	LINSS4
32	12.7	LINSS5



#### Square Bearings

12.7	4.7	LINB95SQ
19	4.7	LINB127SQ

#### Cap Screw and Nut

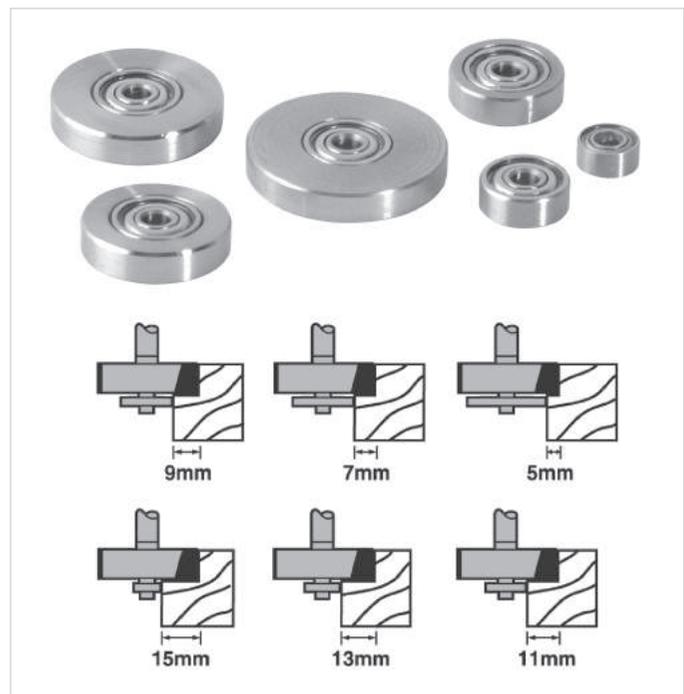
3.0mm	LINCAP
M4	LINM4NUT



#### SHANK BEARING KITS

Kit includes collar and ball bearing to convert cutter without bearing to a ball bearing guide bit. If cutter and bearing are not the same diameter, make a template to compensate for the variation of the cutter diameter and the bearing diameter. For example with a 12mm (1/2") straight cutter and a 19mm bearing, the template is 3.5mm (1/8") under size all round.

IN DIA	OUT DIA	PART NO.
6.4	19	LINSBKB19
12.7	19	LINSBKB198
12.7	28	LINSBKB28



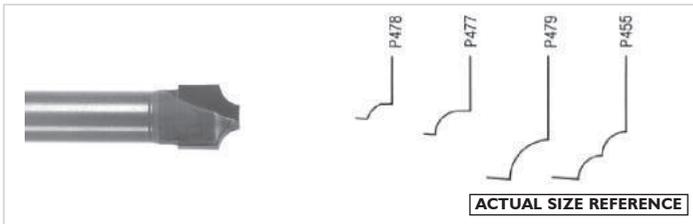
#### REBATE BALL BEARING GUIDE SET

The kit is supplied with 6 bearing sizes (9mm, 13mm, 17mm, 21mm, 25mm, 29mm) and using a LINRPB138 rebate router bit, rebates of 15mm, 13mm, 11mm, 9mm, 7mm and 5mm are possible. The bearing can be used on other Linbide routers, for instance rounding over and moulding cutters to adjust the router profile.

DIA	CUTTER HT	PART NO.
9.0-15.0	6 pce	LINRGBK

## LINBIDE Carbide Tipped Router Bits

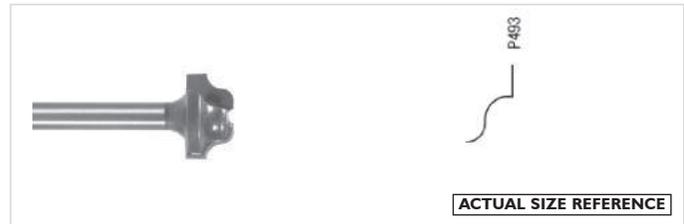
### PROFILE BITS FOR CUPBOARD DOORS



#### BEADING BITS

Used extensively for French provincial design doors. This bits neat form gives a fine trim for a professional look.

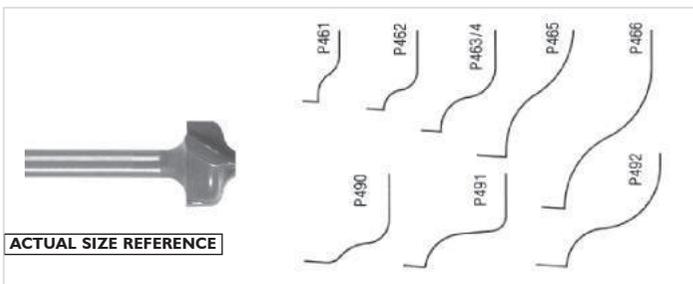
DIA	CUTTER HT	SHK	PART NO.
9.5	8	6.4	LINP478
16	16	12.7	LINP479
19	16		LINP455
12.7	12		LINP477



#### ROMAN OGEE BITS

A popular mould for raised panel doors. The flat bottom cut is an advantage when used on the board face.

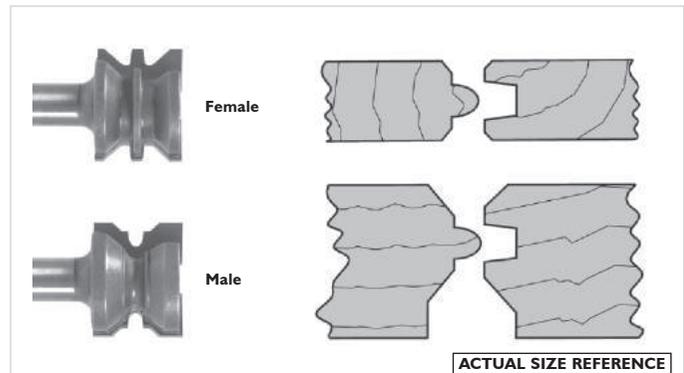
DIA	CUTTER HT	SHK	PART NO.
19	10	6.4	LINP493



#### OGEE BITS

This cutter has a balanced curve for a symmetrical ogee cut. The profile is suited for surface cuts. For edge cutting LINOG444B is recommended. The flat bottom cut is ideal when used on the board face.

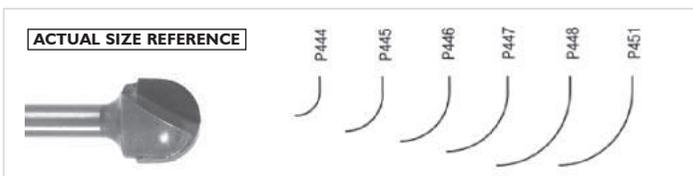
DIA	CUTTER HT	SHK	PART NO.
12.7	10		LIN462
19	13	6.4	LINP463



#### TONGUE, GROOVE AND VEE BITS

These colonial style cutters makes match lining for decorative strips. Very common on period furniture and feature wall lining arranged for 13mm (1/2") material. Wider material over 18mm (45/64") can be used as per drawing detail by rebating the back. Normally fastened with brad nails.

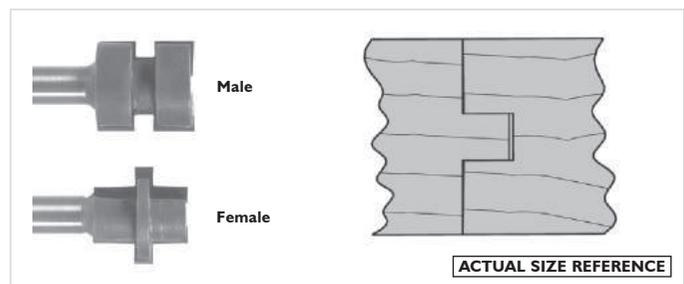
DIA	CUTTER HT	SHK	PART NO.
32	25	12.7	LINTGVSET



#### ROUND NOSE BITS

Cuts rounded grooves used in a variety of applications, for doors, columns and multi fluting.

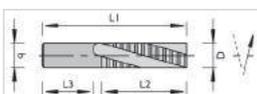
DIA	CUTTER HT	SHK	PART NO.
6	8	6.4	LINP444
10	8	6.4	LINP445
12	10	6.4	LINP446
16	11	6.4	LINP447
19	12	6.4	LINP448
19	12	12.7	LINP451



#### TONGUE AND GROOVE BITS

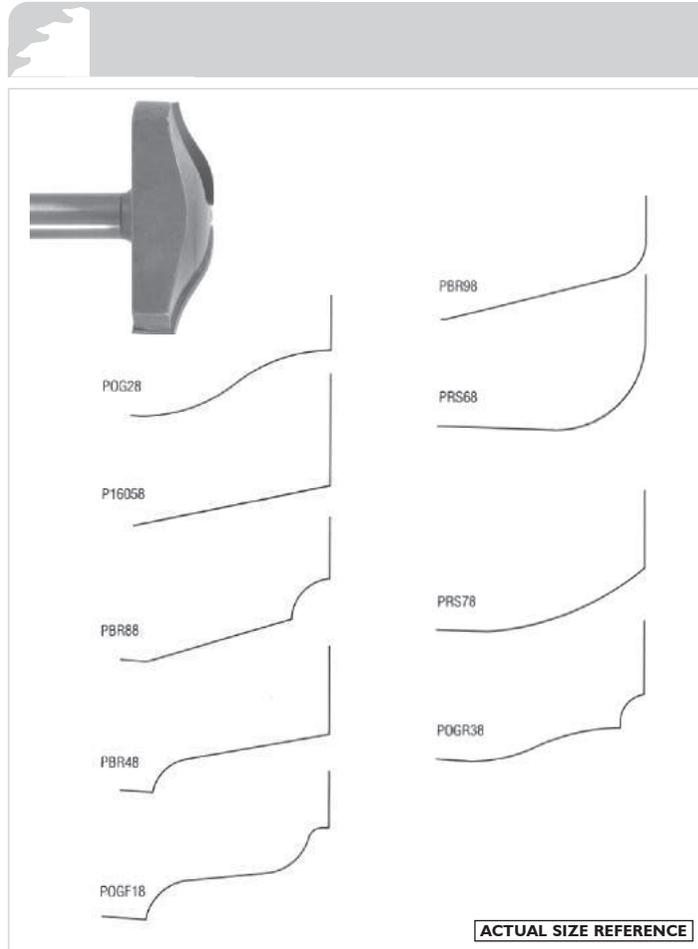
A simple and reliable method of joining timber components. Type LINTGGJM is arranged for glue joints, with hydraulic clearance for easy fitting.

DIA	CUTTER HT	SHK	PART NO.
32	32	12.7	LINTGGFSET



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

## LINBIDE Carbide Tipped Router Bits

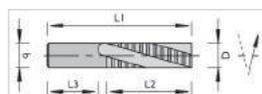


### RAISED PANEL BITS

These cutters are carefully designed to give selection of various forms for door centre panels. The shapes are all arranged for easy sanding and finishing. All cutters give 26mm (1") of form width by 10mm (13/32") depth plus 13mm (1/2") length of tongue.

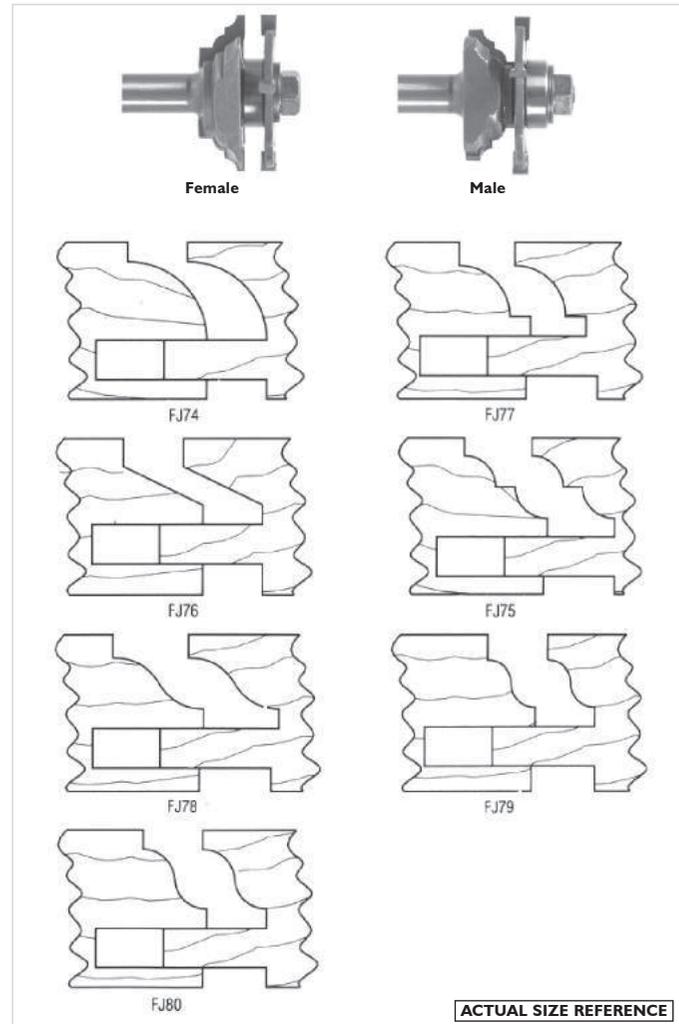
– 12,000 RPM maximum speed. Router table recommended.

DIA	CUTTER HT	SHK	PART NO.
65	20	12.7	LINPOG28
65	20	12.7	LINP16058
65	20	12.7	LINPBR88
65	20	12.7	LINPBR48
65	20	12.7	LINPBR98
65	20	12.7	LINPRS68
65	20	12.7	LINPRS78
65	20	12.7	LINPOGF18
65	20	12.7	LINPOGR38



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) L1 = Overall Length (mm)

### PROFILE BITS FOR CUPBOARD DOORS



### CUPBOARD DOOR BITS

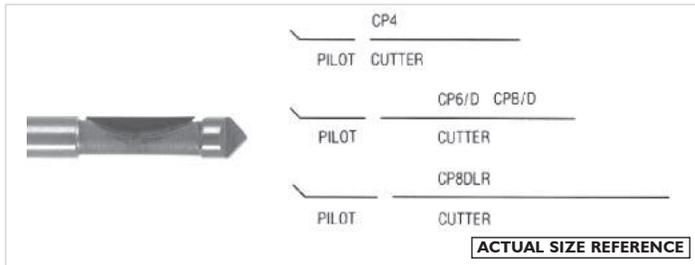
Matching male and female cutters for door styles and spreaders. The cutters are arranged to work in conjunction with raised panel bits. Various forms are sized to joint material 17mm to 20mm thick. A B22 bearing is fitted as standard. The best method is to set up two router tables. One for the side and one for the top of the frame. This will allow the operator to make easier adjustments to each cutter.

**Caution: Make the tongue and groove an easy slide fit.**

DIA	CUTTER HT	SHK	PART NO.
50	25	12.7	LINFJ74
50	25	12.7	LINFJ75
50	25	12.7	LINFJ76
50	25	12.7	LINFJ77
50	25	12.7	LINFJ78
50	25	12.7	LINFJ79
50	25	12.7	LINFJ80

## LINBIDE Carbide Tipped Router Bits

### COMBINATION LAMINATING AND TRIMMING BITS



#### COMBINATION PANEL BITS

This bit drills its own hole through the laminate surface into precut opening then cuts out and trims in one operation.  
 – Cutters are usually with single flute. Cutters with two flutes are referred to with “D” in their reference number.

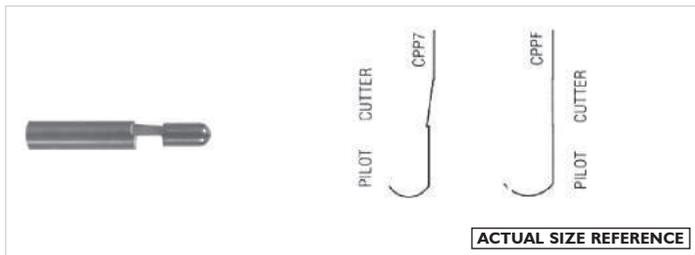
DIA	CUTTER HT	SHK	PART NO.
6.4	19	6.4	LINCP4
12.7	25	12.7	LINCP8
12.7	25	12.7	LINCP8D
12.7	50	12.7	LINCP8DLR



#### LAMINATE TRIMMING BITS

Two flute combination bevel and flush trim in one bit. Best results are achieved with roller guide attachment.

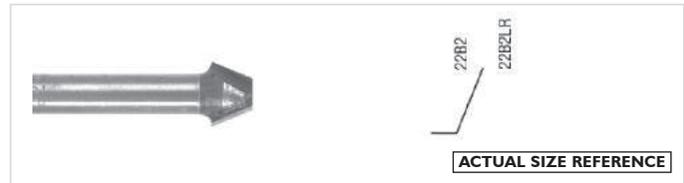
DIA	CUTTER HT	SHK	ANG	PART NO.
12	12	6.4	22d	LINCSB2
12	12	6.4	30d	LINCSB230
12	12	6.4	45d	LINCSB245



#### SOLID CARBIDE PANEL PILOT BITS

The flush trim cutter makes a square cut, while the bevel trimmer make a 7 1/2° bevel on the laminate. 40mm (5/8”) overall.

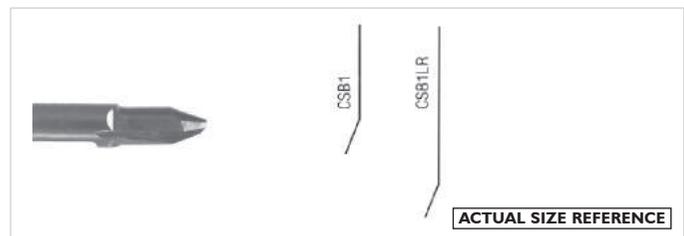
DIA	CUTTER HT	SHK	ANG	PART NO.
6.4	6.4	6.4	0.0d	LINCPPF
6.4	6.4	6.4	7.5d	LINCPP7



#### LAMINATE TRIMMING BITS

This 2 flute 22° bevel bit is for small hand held trimmers fitted with a roller guide. A flat is on the shank for the clamp screw.

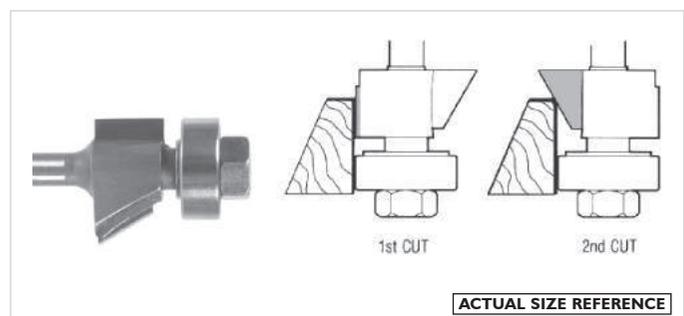
DIA	CUTTER HT	SHK	PART NO.
10	25	6.4	LIN22B2
10	40	6.4	LIN22B2LR



#### SOLID CARBIDE SINGLE FLUTE LAMINATE TRIMMER

Solid carbide combination straight and 22° bevel cutters for small hand held trimmers fitted with roller guide. A flat is formed on the shank for the screw clamp.

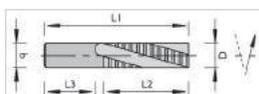
DIA	CUTTER HT	SHK	ANG	PART NO.
10	25	6.4		LINCSB1
16	40	6.4	22d	LINCSB1LR



#### COMBINATION FLUSH AND BEVEL TRIM BIT

This heavy duty combination flush trim and bevel bit is excellent for the professional laminate fabricator. It is designed for 1hp routers with turret stops. The B19 ball bearing guide removes the need for a fence. The cutter can be adjusted to cut flush and bevel in one operation. By raising and lowering the router head various cuts are possible. (1) Flush (2) Bevel (3) Flush and Bevel.

DIA	CUTTER HT	SHK	PART NO.
26	25.4	6.4	LIN8130



**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) LI = Overall Length (mm)

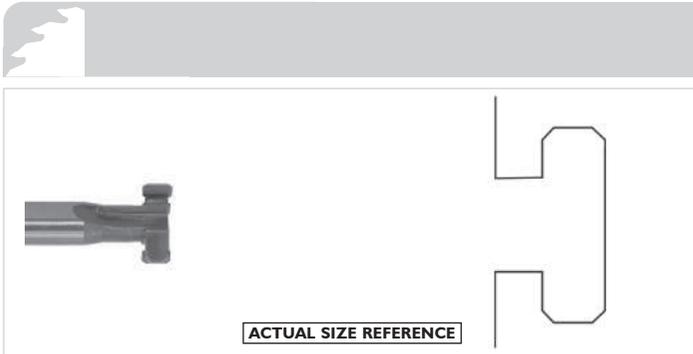
## LINBIDE Carbide Tipped Router Bits

### COMBINATION LAMINATING AND TRIMMING BITS

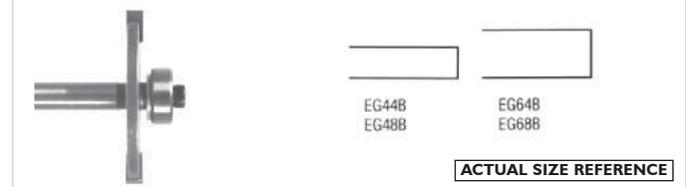
#### TEE SLOT CUTTER FOR MERCHANDISING WALL PANELS

This cutter produces a 25mm wide x 14mm deep 'Tee' slot. The opening is 12mm.

DIA	CUTTER HT	SHK	PART NO.
25	8	12.7	LINTS25
10.5	2.5	12.7	LINTS105



### EDGE GROOVING AND VEE GROOVING BITS



#### COMPOSITE ALUMINIUM LAMINATE BITS FOR FOLDS

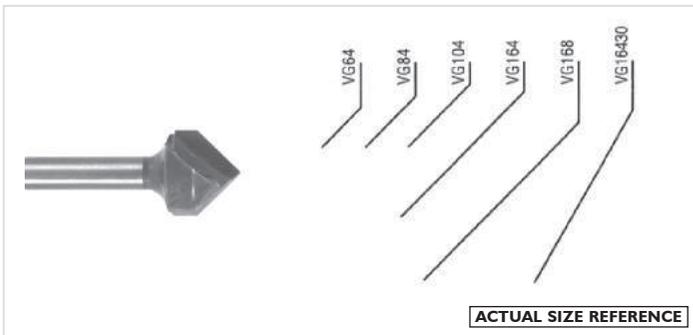
The cutters are ground to 110° and 135° for fold corners on composite aluminium laminate for the manufacture of signs and display panels.

DIA	CUTTER HT	SHK	ANG	PART NO.
16	16	6.4	110d	LINVG1104
16	16	12.7	110d	LINVG110
16	16	12.7	135d	LINVG135

#### EDGE GROOVING FOR BISCUIT JOINTS

It is not necessary to purchase a biscuit jointing machine when your router will make a slot to take 20mm biscuits. Available for 4mm wide standard biscuits and 6mm wide for heavy duty biscuits.

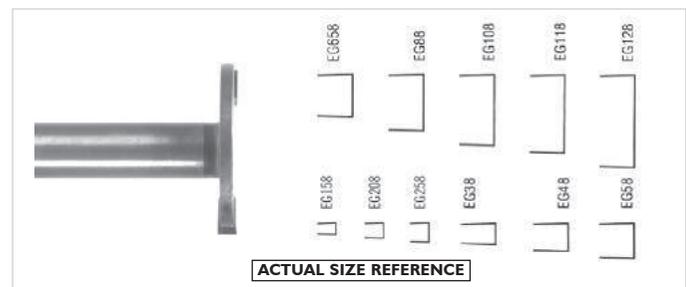
DIA	CUTTER DTH	SHK	PART NO.
41	4	6.4	LINEG44B
41	6	6.4	LINEG64B
41	4	12.7	LINEG48B
41	6	12.7	LINEG68B



#### VEE GROOVING BITS

Excellent for sign and lettering work. A handy cutter for 45° bevelling of panels using the router fence attachment. LINVG16430 has a 30° Bevel 60° included.

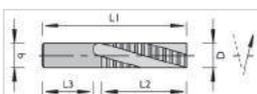
DIA	CUTTER LTH	SHK	PART NO.
9.5	6	6.4	LINVG64
12	9.5	6.4	LINVG84
16	12	6.4	LINVG104
32	22	6.4	LINVG164
25	25	6.4	LINVG16430
40	32	12.7	LINVG168



#### EDGE GROOVING BITS

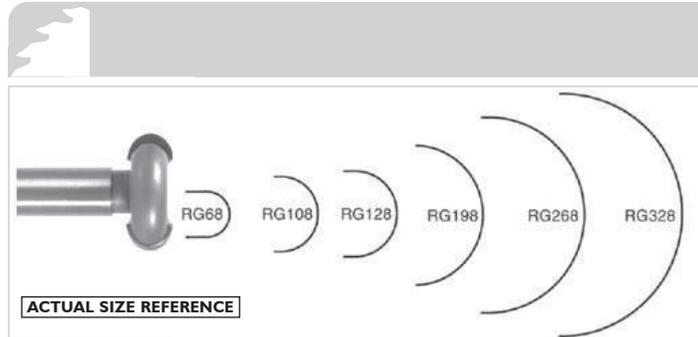
A handy cutter to groove edges. Often used to surface ledges and make weather groove undercuts in one operation.

DIA	CUTTER DTH	SHK	PART NO.
41	3	12.7	LINEG38
41	4	12.7	LINEG48
41	5	12.7	LINEG58
41	6.5	12.7	LINEG658
41	8	12.7	LINEG88
41	10	12.7	LINEG108



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## LINBIDE Carbide Tipped Router Bits

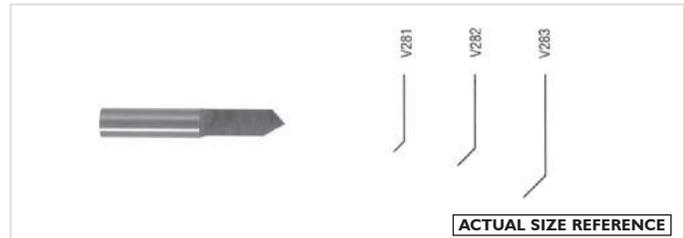


### INSIDE RADIUS BITS

Unusual cutter for decorative edges with radius. Useful for grooves, finger grips on door and drawer edges. For jointing on curved shapes such as timber boat building with 19mm 3/4" material LINRG268 and LINER208. An ideal male and female joint for thinner material.

DIA	CUTTER HT	SHK	PART NO.
31	6	12.7	LINRG68
31	10	12.7	LINRG108
31	12	12.7	LINRG128
39	19	12.7	LINRG198
44	26	12.7	LINRG268

### EDGE GROOVING AND VEE GROOVING BITS



### PROVINCIAL DESIGN VEINER BITS

Single flute cutter designed to cut vee designs in French provincial cabinets, doors and decorative patterns and cabinets. 4° Bevel; 90° included.

DIA	CUTTER HT	SHK	PART NO.
3	10	6.4	LINV281
5	12	6.4	LINV282
6.4	16	6.4	LINV283



### SLOTTING CUTTERS

Two flute 1/4" (6.4mm) bore carbide tipped cutters for slotting various sizes. Suitable for plastic and wood tee moulds. Commonly used to clash table edges.

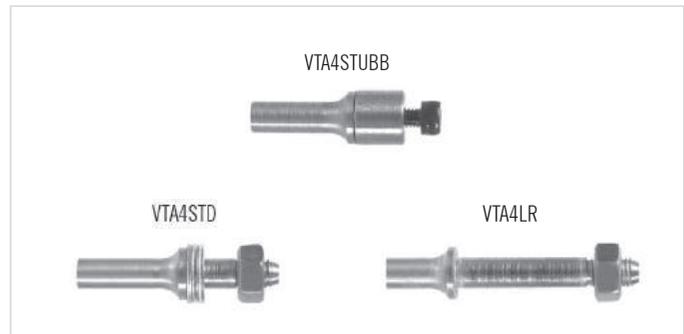
CED	KERF	HOLE	PART NO.
38	1.5	6.4	LINSL116
38	2.0	6.4	LINSL564
38	2.5	6.4	LINSL332
38	3.0	6.4	LINSL18
38	3.5	6.4	LINSL964
38	4.0	6.4	LINSL532
38	5.0	6.4	LINSL316
38	6.0	6.4	LINSL14

### HEAVY DUTY 4 TOOTH SLOTTING CUTTERS

These saws are for larger routers with 1/2" or 1/4" collets. An improved finish is achieved with four teeth. The cutter has an 8mm bore hole.

CED	KERF	HOLE	PART NO.
51	1.5	8.0	LINSLX116
51	2.0	8.0	LINSLX564
51	2.5	8.0	LINSLX332
51	3.0	8.0	LINSLX18
51	4.0	8.0	LINSLX532
51	5.0	8.0	LINSLX316
51	6.0	8.0	LINSLX14
74	5.0	8.0	LINSL316XX

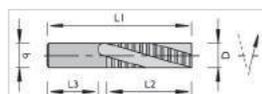
### 4 TOOTH EDGE GROOVING CUTTERS



### ARBOURS AND SPACERS

Suitable to mount flush trim, slotting cutters and three wing moulding cutters.

DIA	LTH	SHK	PART NO.
6.4	6	6.4	LINVTA4STUBB
6.4	19	6.4	LINVTA4STD
6.4	28	6.4	LINVTA4X
6.4	38	6.4	LINVTA4LR
6.4	28	6.4	LINVTA4LRX
8.0	22	6.4	LINVTA54
6.4	19	12.7	LINVTA8
6.4	32	12.7	LINVTA8X
6.4	40	12.7	LINVTA8LR
8.0	22	12.7	LINVTA58
8.0	35	12.7	LINVTA8LRX
6.4	27	12.7	LINVTA58X



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## LINBIDE Carbide Tipped Router Bits

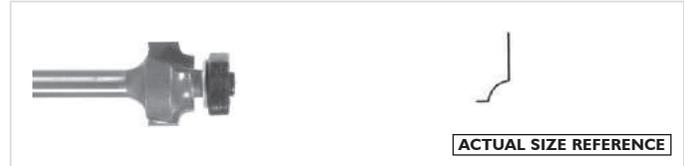
### LAMINATED AND BEVELING BITS



#### SQUARE BEARING LAMINATE TRIMMER

For laminate trimming. Fitted with a special teflon coated square bearing that won't stick to or scratch the job. The 4° angle eliminates filing.

OD	L2	Od	PART NO.
13	6.4	6.4	LIN13M4SQ
19	15	6.4	LIN19M4SQ



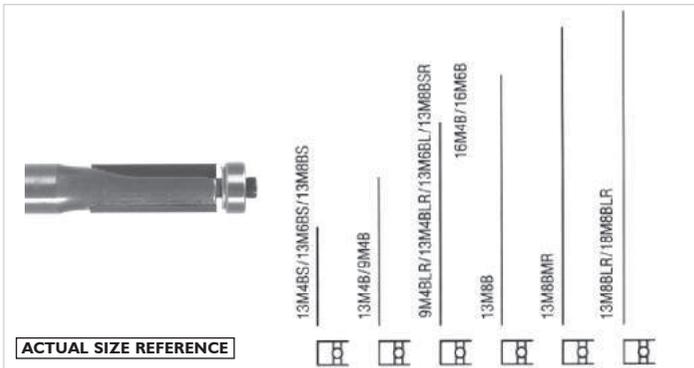
#### ROUNDING OVER SQUARE BEARING LAMINATE TRIMMER

For trimming of PVC tape on cupboard doors. Fitted with a special teflon coated square bearing that won't stick to or scratch the job.

Cutter has a 10° lead in angle to eliminate marking.

OD	L2	Od	PART NO.
2.0	17	6.4	LINROPB24SQ

### FLUSH TRIM PANEL BITS



#### FLUSH TRIM PANEL BITS 1/4 (6.4) SHANK

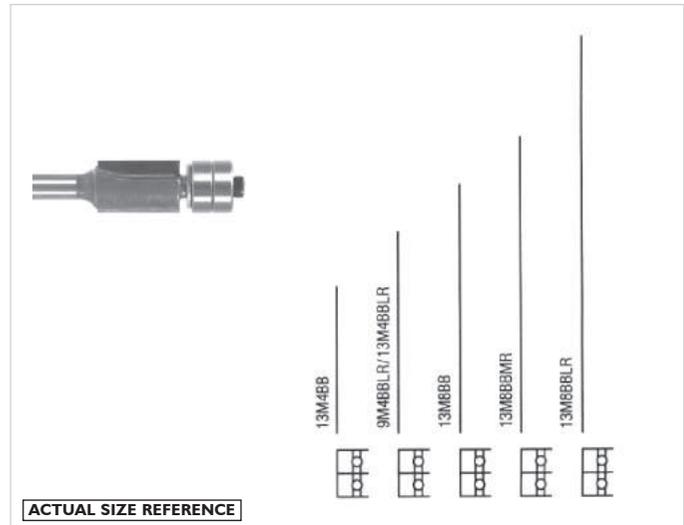
For fast smooth precise flush trim cuts fitted with double shielded ball bearing pilots.

- For heavy duty we recommend LIN16M4B.
- LIN18M8BLR has a soft metal shield over the ball race. The shield can be reduced so bearing will match cutter diameter after re-sharpening.

CED	CEL	BRG	PART NO.
6.4	8.0	B64	LIN6.4M4BSS
6.4	25	B64	LIN6.4M4BLR
9.0	19	B9	LIN9M4B
9.0	25	B9	LIN9M4BLR
13.0	12	B13	LIN13M4BS
13.0	20	B13	LIN13M4BS
13.0	25	B13	LIN13M4BL
16.0	25	B16	LIN16M4B

#### FLUSH TRIM PANEL BITS (12.7) SHANK

CED	CEL	BRG	PART NO.
13.0	25	B13	LIN13M8BSR
13.0	32	B13	LIN13M8B
13.0	37	B13	LIN13M8BMR
13.0	50	B13	LIN13M8BLR
18.0	50	B18	LIN18M8BLR



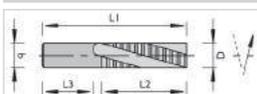
#### FLUSH DOUBLE BEARING 1/4 (6.4) SHANK

These cutters are fitted with two ball race guides. This will reduce marking the job face.

CED	CEL	BRG	PART NO.
9.0	25	B9	LIN9M4BBLR
13.0	19	B13	LIN13M4BB
13.0	25	B13	LIN13M4BBLR

#### FLUSH DOUBLE BEARING 1/2 (12.7) SHANK

CED	CEL	BRG	PART NO.
13.0	32	B13	LIN13M8BB
13.0	37	B13	LIN13M8BBMR
13.0	50	B13	LIN13M8BBLR

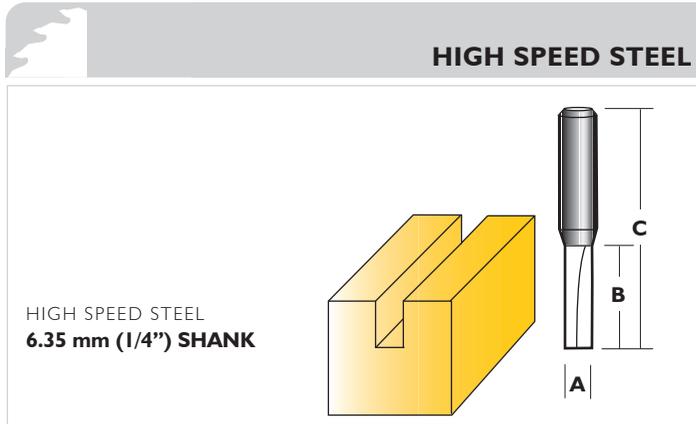


**KEY** OD = Cutting Edge Diameter L2 = Cutting Edge Length (mm) Od = Shank Diameter (mm) LI = Overall Length (mm)



## ROUTER BIT AND ACCESSORIES CATALOGUE

## Straight Bits - Straight Flute



### SINGLE FLUTE

For all general purpose routing and grooving. Has the added advantage of chip clearance plus ease of sharpening by hand by workers with limited grinding experience.

Can be used to rout aluminium, zinc, copper and other soft materials.

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARH 204S	1/8	3.2	3/8	9.5	1-5/8	41
CARH 205S	5/32	4	5/16	7.9	2	50.8
CARH 204MS	5/32	4	5/16	7.9	2	50.8
CARH 206S	3/16	4.8	7/16	11.1	1-3/4	44.4
CARH 205MS	-	5	7/16	11.1	1-3/4	44.4
CARH 208S	1/4	6.35	3/4	19	2	50.8

### TWO FLUTE

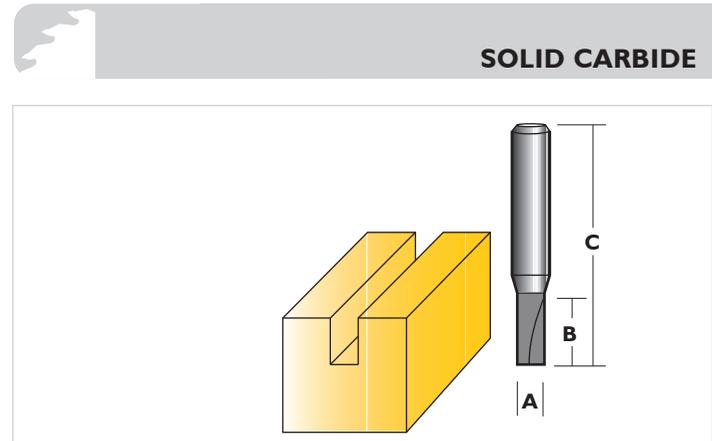
For general purpose routing, grooving, and rebating.

HIGH SPEED STEEL  
**6.35 mm (1/4") SHANK**

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARH 208	1/4	6.35	5/8	15.9	1-5/8	41
CARHX 208	1/4	6.35	1-1/8	28.6	2-3/8	60
CARH 210	5/16	7.9	3/4	19	1-3/4	44.4
CARH 212	3/8	9.5	3/4	19	1-3/4	44.4
CARH 214	7/16	11.1	3/4	19	1-3/4	44.4
CARH 216	1/2	12.7	3/4	19	1-3/4	44.4
CARH 213M	33/64	13	3/4	19	1-3/4	44.4
CARH 220	5/8	15.9	5/8	15.9	1-3/4	44.4
CARH 216M	5/8	16	5/8	15.9	1-3/4	44.4
CARH 219M	3/4	19	5/8	15.9	1-3/4	44.4
CARH 224	3/4	19	5/8	15.9	1-3/4	44.4

HIGH SPEED STEEL  
**12.7 mm (1/2") SHANK**

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARH 1412	3/8	9.5	1	25.4	2-3/4	70
CARH 1416	1/2	12.7	1-1/4	31.8	2-3/4	70



### SINGLE FLUTE

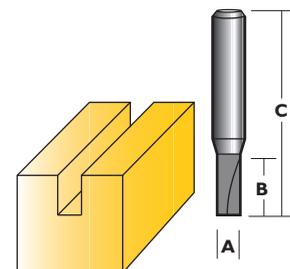
For all general purpose routing and grooving. Has the added advantage of chip clearance.

SOLID CARBIDE  
**6.35 mm (1/4") SHANK**

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 202 S	1/16	1.6	3/16	4.8	1-1/2	38.1
CART 202 MS	5/64	2	3/16	4.8	1-1/2	38.1
CART 203 S	3/32	2.4	3/16	4.8	1-1/2	38.1
CART 203 MS	-	3	1/4	6.35	1-1/2	38.1
CART 204 S	1/8	3.2	5/16	7.9	1-1/2	38.1
CART 205 S	5/32	4	3/8	9.5	1-1/2	38.1
CART 204 MS	5/32	4	7/16	11.1	1-1/2	38.1
CART 206 S	3/16	4.8	1/2	12.7	1-1/2	38.1
CART 205 MS	-	5	1/2	12.7	1-1/2	38.1
CART 207 S	7/32	5.5	1/2	12.7	1-1/2	38.1
CART 206 MS	15/64	6	5/8	15.9	1-1/2	38.1
CART 208 S	1/4	6.35	5/8	15.9	1-1/2	38.1

### LONG SERIES SINGLE FLUTE

For maximum rigidity use the standard length bits (above) where possible.



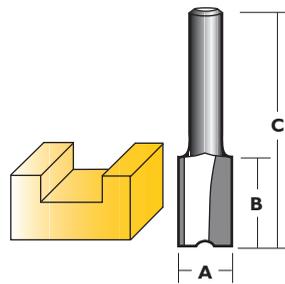
SOLID CARBIDE  
**6.35 mm (1/4") SHANK**

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 1804 S	1/8	3.2	1/2	12.7	2-1/4	57.1
CART 1804 MS	5/32	4	5/8	15.9	2-1/4	57.1
CART 1806 S	3/16	4.8	3/4	19	2-1/4	57.1
CART 1805 MS	-	5	3/4	19	2-1/4	57.1
CART 1806 MS	15/64	6	1	25.4	2-1/4	57.1
CART 1808 S	1/4	6.35	1	25.4	2-1/4	57.1

## Straight Bits

### TWO FLUTE

For all general purpose routing, grooving, rebating. For longer life in routing abrasive type materials.



SOLID CARBIDE  
6.35 mm (1/4") SHANK

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 206 M	15/64	6	5/8	16	1-1/2	38.1
CARTX 206 M	15/64	6	1-1/8	28.6	2-1/4	57.1
CART 208	1/4	6.35	5/8	15.9	1-1/2	38.1
CARTX 208	1/4	6.35	1-1/8	28.6	2-1/4	57.1
CARTXX 208	1/4	6.35	1-1/8	28.6	2-1/2	63.5

CARBIDE TIPPED  
6.35 mm (1/4") SHANK

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 207 M	-	7	3/4	19	1-3/4	44.4
CART 209	9/32	7.1	3/4	19	1-3/4	44.4
CART 210	5/16	7.9	3/4	19	1-3/4	44.4
CART 208 M	5/16	8	3/4	19	1-3/4	44.4
CARTX 208 M	5/16	8	1	25.4	2	50.8
CART 209 M	23/64	9	3/4	19	1-3/4	44.4
CART 212	3/8	9.5	3/4	19	1-3/4	44.4
CARTX 212	3/8	9.5	1	25.4	2	50.8
CART 210 M	25/64	10	3/4	19	1-3/4	44.4
CARTX 210 M	25/64	10	1	25.4	2	50.8
CART 211 M	7/16	11	3/4	19	1-3/4	44.4
CART 214	7/16	11.1	3/4	19	1-3/4	44.4
CART 212 M	15/32	12	3/4	19	1-3/4	44.4
CART 216	1/2	12.7	3/4	19	1-3/4	44.4
CARTX 216	1/2	12.7	1	25.4	2	50.8
CART 213 M	33/64	13	3/4	19	1-3/4	44.4
CARTX 213 M	33/64	13	1	25.4	2	50.8
CART 214 M	35/64	14	3/4	19	1-3/4	44.4
CART 218	9/16	14.3	3/4	19	1-3/4	44.4
CART 215 M	19/32	15	3/4	19	1-3/4	44.4
CART 220	5/8	15.9	3/4	19	1-3/4	44.4
CARTX 220	5/8	15.9	1	25.4	2	50.8
CART 216 M	5/8	16	3/4	19	1-3/4	44.4
CARTX 216 M	5/8	16	1	25.4	2	50.8
CART 216.5 M	21/32	16.5	3/4	19	1-3/4	44.4
CART 217 M	43/64	17	3/4	19	1-3/4	44.4
CART 222	11/16	17.5	3/4	19	1-3/4	44.4
CART 218 M	45/64	18	3/4	19	1-3/4	44.4
CARTX 218 M	45/64	18	1	25.4	2	50.8
CART 218.5 M	-	18.5	3/4	19	1-3/4	44.4
CART 219 M	3/4	19	3/4	19	1-3/4	44.4
CART 224	3/4	19	3/4	19	1-3/4	44.4
CART 219.5 M	49/64	19.5	3/4	19	1-3/4	44.4
CART 220 M	-	20	3/4	19	1-3/4	44.4
CART 226	13/16	20.6	3/4	19	1-3/4	44.4
CART 221 M	53/64	21	3/4	19	1-3/4	44.4
CART 222 M	-	22	3/4	19	1-3/4	44.4
CART 228	7/8	22.2	3/4	19	1-3/4	44.4
CART 225 M	63/64	25	3/4	19	1-3/4	44.4
CART 232	1	25.4	3/4	19	1-3/4	44.4

SINGLE FLUTE SOLID CARBIDE 12.7 mm (1/2") SHANK

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 1410 MS	25/64	10	1	25.4	2-5/8	67
CART 1413 MS	33/64	13	1-1/2	38.1	3-5/32	80.2
CART 1416 MS	5/8	16	1-1/2	38.1	3-5/32	80.2

### TWO FLUTE

SOLID CARBIDE INSERT  
12.7 mm (1/2") SHANK

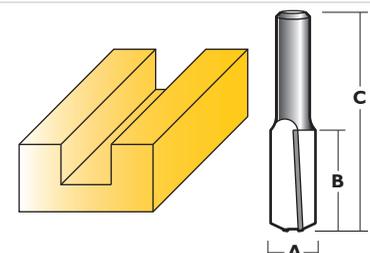
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 1406 M	15/64	6	5/8	15.9	2-3/4	70
CART 1408	1/4	6.35	5/8	15.9	2-3/4	70
CART 1410	5/16	7.9	3/4	19	2-7/8	73
CART 1408 M	5/16	8	3/4	19	2-7/8	73

CARBIDE TIPPED  
12.7 mm (1/2") SHANK

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 1409 M	23/64	9	1	25.4	2-3/4	70
CART 1412	3/8	9.5	1	25.4	2-3/4	70
CART 1410 M	25/64	10	1	25.4	2-3/4	70
CART 1411 M	7/16	11	1	25.4	2-3/4	70
CART 1414	7/16	11.1	1	25.4	2-3/4	70
CART 1412 M	15/32	12	1	25.4	2-3/4	70
CARTX 1412 M	15/32	12	1-1/4	31.8	3	76
CART 1416	1/2	12.7	1-1/4	31.8	3	76
CARTX 1416	1/2	12.7	2	50.8	3-3/4	95
CART 1413 M	33/64	13	1-1/4	31.8	3	76
CARTX 1413 M	33/64	13	2	50.8	3-3/4	95
CART 1414 M	35/64	14	1-1/4	31.8	3	76
CART 1418	9/16	14.3	1-1/4	31.8	3	76
CART 1415 M	19/32	15	1-1/2	38.1	3-1/4	82
CART 1420	5/8	15.9	1-1/2	38.1	3-1/4	82
CARTX 1420	5/8	15.9	2	50.8	3-3/4	95
CART 1416 M	5/8	16	1-1/2	38.1	3-1/4	82
CARTX 1416 M	5/8	16	2	50.8	3-3/4	95
CART 1416.5 M	21/32	16.5	1-1/2	38.1	3-1/4	82
CART 1417 M	43/64	17	1-1/2	38.1	3-1/4	82
CART 1422	11/16	17.5	1-1/2	38.1	3-1/4	82
CART 1418 M	45/64	18	1-1/2	38.1	3-1/4	82
CARTX 1418 M	45/64	18	2	50.8	3-3/4	95
CART 1418.5 M	-	18.5	1-1/2	38.1	3-1/4	82
CART 1419 M	3/4	19	1-1/2	38.1	3-1/4	82
CARTX 1419 M	3/4	19	2	50.8	3-3/4	95
CART 1424	3/4	19	1-1/2	38.1	3-1/4	82
CARTX 1424	3/4	19	2	50.8	3-3/4	95
CART 1419.5 M	49/64	19.5	1-1/2	38.1	3-1/4	82
CART 1420 M	-	20	1-1/2	38.1	3-1/4	82
CART 1426	13/16	20.6	1-1/2	38.1	3-1/4	82
CART 1428	7/8	22.2	1-1/2	38.1	3-1/4	82
CART 1425 M	63/64	25	1-1/2	38.1	3-1/4	82
CART 1432	1	25.4	1-1/2	38.1	3-1/4	82
CART 1436	1-1/8	28.6	1-1/4	31.8	3	76
CART 1432 M	-	32	1-1/4	31.8	3	76
CART 1435 M	1-3/8	35	1-1/4	31.8	3	76
CART 1448	1-1/2	38.1	1-1/4	31.8	3	76
CART 1452	1-5/8	41.3	1-1/4	31.8	3	76
CART 1456	1-3/4	44.4	1-1/4	31.8	3	76
CART 1460	1-7/8	47.6	1-1/4	31.8	3	76
CART 1464	2	50.8	1-1/4	31.8	3	76

### STRAIGHT BIT WITH DOWN SHEAR

Reduces top edge breakout. Ideal for veneered and laminated boards.



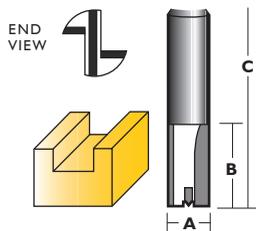
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTSH 1424	3/4	19	1-1/2	38.1	3-1/4	82
CARTSHX 1424	3/4	19	1-61/64	50	3-23/37	94.5

## Straight Bits

### END CUTTING

For plunge cutting deep or repetitive holes in addition to normal groove, trim and rebate routing.

CARBIDE TIPPED - TWO FLUTE  
**12.7 mm (1/2") SHANK**

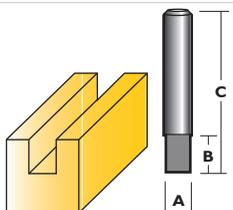


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 1410M E/C	25/64	10	1	25.4	2-3/4	70
CART 1413M E/C	33/64	13	1-1/4	31.8	3	76
CART 1416M E/C	5/8	16	1-1/2	38.1	3-1/4	82
CART 1418M E/C	45/64	18	1-1/2	38.1	3-1/4	82
CART 1419M E/C	3/4	19	1-1/2	38.1	3-1/4	82
CART 1425M E/C	63/64	25	1-1/2	38.1	3-1/4	82
CART 1432M E/C	-	32	1-1/4	31.8	3	76

### RIP & SLOTTOR BIT

A slotting and fast cutting roughing bit.

SOLID CARBIDE - SINGLE FLUTE  
**6.35 mm (1/4") SHANK**

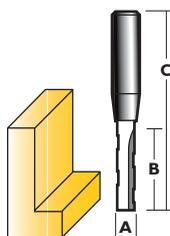


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 803 - 509	1/4	6.35	3/8	9.5	1-1/2	38.1

### SLOT MORTISE BITS

A long series bit for slot mortise joints. Note: Due to the extreme length of these bits they should be used in a table mounted routing machine only. These bits are not guaranteed against breakage.

TWO FLUTE - END CUTTING WITH CHIP BREAKER  
**12.7 mm (1/2") SHANK**



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
SOLID CARBIDE INSERT						
CARTSM 1408 M	5/16	8	1-1/2	38.1	3-5/8	92
CARTSM 1409.5M	3/8	9.5	1-1/2	38.1	3-5/8	92
CARBIDE TIPPED						
CARTSM 1413 M	33/64	13	2	50.8	3-3/4	95

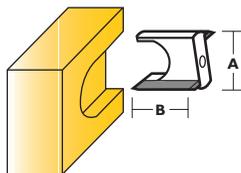
### LOCK MORTISE CUTTERS

Standard bits have a 12/32 NEF thread to suit the Stanley machine. Bits marked UNF fit the Porter Cable machine. Extension Arbors (96mm Long) are available to suit both NEF and UNF threads

TA 22 for NEF

TA 24 for UNF

CARBIDE TIPPED - TWO FLUTE

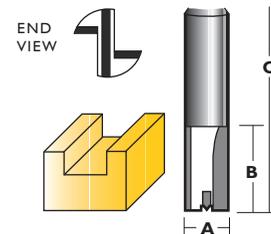


PART No.	A		B		THREAD
	in.	mm	in.	mm	
CARTLM 10	5/8	15.9	3/4	19	12/32 NEF
CARTLM 12	3/4	19	3/4	19	12/32 NEF
CARTLM 12 UNF	3/4	19	.590	15	1/4 UNF
CARTLM 13 UNF	13/16	20.6	.590	15	1/4 UNF
CARTLM 14	7/8	22.2	1	25.4	12/32 NEF
CARTLM 14 UNF	7/8	22.2	.590	15	1/4 UNF
CARTLM 16	1	25.4	1	25.4	12/32 NEF
CARTLM 16 UNF	1	25.4	.590	15	1/4 UNF

### HINGE MORTISE BITS

Can be used as a fast cutting stair tread bit or making mortises from edge of work

TWO FLUTE  
**6.35 mm (1/4") SHANK**



PART No.	A		B		C
	in.	mm	in.	mm	
HIGH SPEED STEEL					
CARH 2016	1/2	12.7	13/32	10.3	50

### CARBIDE TIPPED

CART 2016	1/2	12.7	13/32	10.3	42
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### 12.7 mm (1/2") SHANK

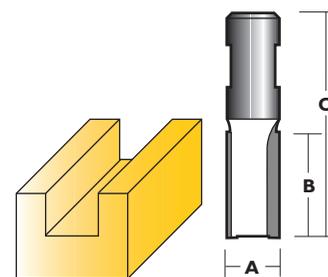
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm

### CARBIDE TIPPED

CART 1622 1/2	11/16	17.5	3/4	19	2-1/2	63.5
CART 1624 1/2	3/4	19	3/4	19	2-1/2	63.5
CART 1626 1/2	13/16	20.6	3/4	19	2-1/2	63.5
CART 1628 1/2	7/8	22.2	3/4	19	2-1/2	63.5

### FOR SCHEER ROUTERS

CARBIDE TIPPED - TWO FLUTE  
**10 mm INTERNAL THREAD**



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm

### SOLID CARBIDE INSERT

CARTFRNA 8	1/4	6.35	5/8	15.9	2-3/16	55
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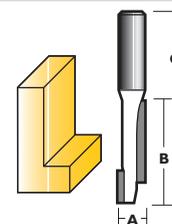
### CARBIDE TIPPED

CARTFRNA 12	3/8	9.5	3/4	19	2-3/16	55
CARTFRNA 16	1/2	12.7	3/4	19	2-3/16	55
CARTFRNA 20	5/8	16	1-1/4	31.8	2-3/8	60
CARTFRNA 24	3/4	19	1-1/4	31.8	2-3/8	60

### STAGGERED TIP BITS

A fast cutting roughing bit for heavy stock removal.

CARBIDE TIPPED  
**12.7 mm (1/2") SHANK**



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm

### SOLID CARBIDE INSERT

CARTST 1409.5 M	3/8	9.5	1-1/2	38.1	3-5/8	92
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### CARBIDE TIPPED

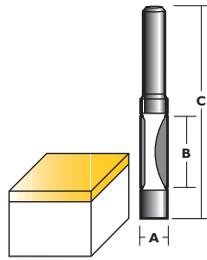
CARTST 1413 M	33/64	13	1-3/4	44.5	3-1/2	89
CARTSTX 1413 M	33/64	13	2-1/4	57.1	4	102

## Pilot Panel Bits

### FLUSH TRIMMING BITS

For edge trimming of laminated sink tops

CARBIDE TIPPED - WITH PILOT  
6.35 mm (1/4") SHANK

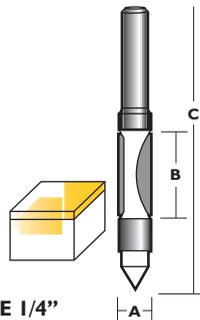


PART No	A		B		C	
	in.	mm	in.	mm	in.	mm
<b>SINGLE FLUTE CARBIDE TIPPED</b>						
CART 1910	5/16	8	13/16	20.6	2-3/8	65
<b>TWO FLUTES CARBIDE TIPPED</b>						
CART 1910 2	5/16	8	13/16	20.6	2-3/8	63

### COMBINATION FLUSH TRIMMING & DRILLING BITS

This bit drills its own hole for blind routing in plywood and soft metals. Eliminates fitting edges at window and floor openings.

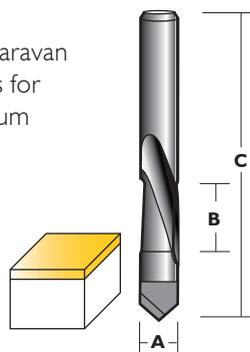
WITH PILOT  
SUFFIX 1/2 = 1/2" SHANK,  
SUFFIX 3/8 = 3/8" SHANK, OTHERWISE 1/4"



PART No	A		B		C	
	in.	mm	in.	mm	in.	mm
<b>SINGLE FLUTE HIGH SPEED STEEL</b>						
CARH 1508	1/4	6.35	3/4	19	2-3/8	60
CARH 1512 3/8	3/8	9.5	7/8	22.2	2-5/8	67
CARH 1516 1/2	1/2	12.7	1-1/8	28.6	3-5/8	92
<b>SINGLE FLUTE SOLID CARBIDE</b>						
CART 1508	1/4	6.35	25/32	20	2-1/2	63.5
<b>SINGLE FLUTE CARBIDE TIPPED</b>						
CART 1510	5/16	8	13/16	20.6	2-61/64	75
CART 1512 3/8	3/8	9.5	1	25.4	3-3/16	81
CART 1516 1/2	1/2	12.7	1	25.4	3-5/8	92
<b>TWO FLUTES CARBIDE TIPPED</b>						
CART 1510 2	5/16	8	13/16	20.6	2-3/4	70

This bit is used extensively in the caravan repair and manufacturing industries for drilling and trimming sheet aluminium

SPIRAL DOWNCUT  
HIGH SPEED STEEL - WITH PILOT  
SUFFIX 1/2 = 1/2" SHANK,  
SUFFIX 3/8 = 3/8" SHANK,  
OTHERWISE 1/4"



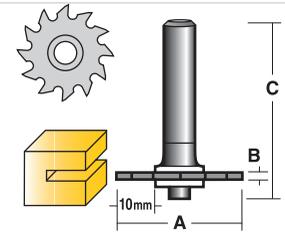
PART No	A		B		C	
	in.	mm	in.	mm	in.	mm
CARHSF 1508	1/4	6.35	3/4	19	2-3/4	70
CARHSF 1512 3/8	3/8	9.5	25/32	20	3	76
CARHSF 1516 1/2	1/2	12.7	1-3/4	44.4	4-1/2	115

## Trim Saws

### SLOTING CUTTER ASSEMBLIES

Solid carbide cutters give great rigidity for thin slotting cuts

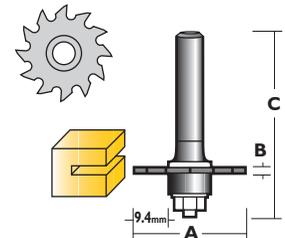
SOLID CARBIDE CUTTER  
TWELVE TEETH  
6.35 mm (1/4") SHANK



PART No.	A		B		C		ARBOR No.
	in.	mm	in.	mm	in.	mm	
CARTA 900 1.2M	1-1/4	31.8	3/64	1.2	1-5/8	41	TA 11
CARTA 900 1.6M	1-1/4	31.8	1/16	1.6	1-5/8	41	TA 11
CART 900 1.2M	1-1/4	31.8	3/64	1.2	Cutter only		
CART 900 1.6M	1-1/4	31.8	1/16	1.6	Cutter only		

### SLOTING CUTTER ASSEMBLIES

SOLID CARBIDE CUTTER  
TWELVE TEETH  
with ball bearing Guide  
6.35 mm (1/4") SHANK



PART No.	A		B		C		ARBOR No.
	in.	mm	in.	mm	in.	mm	
CARTA 900 1.2MB	1-1/4	31.8	3/64	1.2	2-3/32	53	TA 10
CARTA 900 1.6MB	1-1/4	31.8	1/16	1.6	2-3/32	53	TA 10

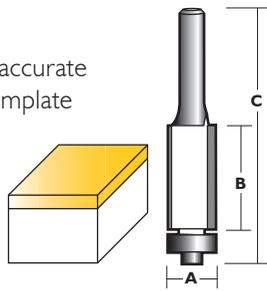
Replacement Ball Bearing TB 11

## Laminate Trim Bits and Cutters

### FLUSH TRIMMING BITS

A popular bit for fast smooth and accurate trimming cuts for laminates and template work

CARBIDE TIPPED - TWO FLUTE WITH BALL BEARING GUIDE  
**SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"**

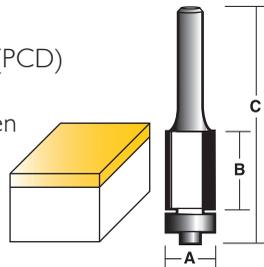


PART No.	A		B		C		Bearing No.
	in.	mm	in.	mm	in.	mm	
CART 8008 B	1/4	6.35	1	25.4	2-3/8	60	TB 6
CART 8012 B	3/8	9.5	1	25.4	2-5/8	63.5	TB 9
CARTS 8012 B	3/8	9.5	1/2	12.7	1-57/64	48	TB 9
CARTS 8016 B	1/2	12.7	5/8	15.9	2-1/4	57.1	TB 11
CART 8016 B	1/2	12.7	1	25.4	2-1/2	67	TB 11
CART 8016 B 1/2	1/2	12.7	1	25.4	3-1/8	79	TB 11
CARTX 8016 B 1/2	1/2	12.7	1-1/2	38.1	3-3/8	86	TB 11
CARTXX 8016 B 1/2	1/2	12.7	2	50.8	3-7/8	98	TB 11
CART 8020 B	5/8	15.9	1	25.4	2-5/8	67	TB 14
CART 8020 B 1/2	5/8	15.9	1	25.4	3-1/8	79	TB 14
CART 8028 B 1/2	0.866	22	1	25.4	3-3/8	86	TB 12
CARTX 8028 B 1/2	0.866	22	1-1/2	38.1	3-3/4	95	TB 12

### DIAMOND (PCD) TIPPED FLUSH TRIMMING BIT

Made with Polycrystalline Diamond (PCD) Tips. PCD Tips keep a sharp cutting edge many times longer than tungsten carbide tips. These bits are excellent for extremely hard laminates

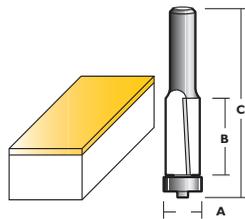
**Suffix 1/2 = 1/2" shank  
 Otherwise 1/4" shank**



PART No.	A		B		C		Bearing No.
	in.	mm	in.	mm	in.	mm	
CARDIATR S 8012 B	3/8	9.5	1/2	12.7	2-3/32	53.2	TB9
CARDIATR S 8016 B	1/2	12.7	5/8	15.9	2-7/32	56.4	TB 11
CARDIATR S 8016 B 1/2	1/2	12.7	5/8	15.9	2-13/16	71.4	TB 11

### FLUSH TRIM BIT WITH DOWN SHEAR

CARBIDE TIPPED  
 For minimal chipping and superior finish.

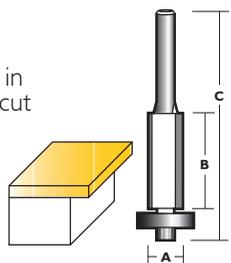


PART No.	A		B		C		Bearing No.
	in.	mm	in.	mm	in.	mm	
CARTSH 8024 B 1/2	3/4	19	1-1/2	38.1	3-39/64	91.7	TB 16
CARTSHX 8024 B 1/2	3/4	19	1-61/64	50	4	101.6	TB 16

### OVERHANG TRIMMING BIT

This bit will leave a 1/8" overhang in order that the final flush trimming cut is a light one for the smoothest possible finish.

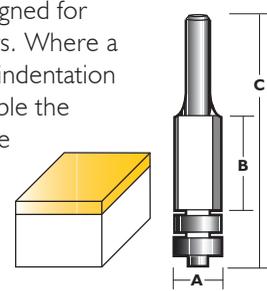
CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
**6.35 mm (1/4") SHANK**  
 Replacement Ball Bearing TB8.



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTO 8012 B	3/8	9.5	1	25.4	2-3/4	70

This bit has been specially designed for template work in softer timbers. Where a single bearing might create an indentation on the timber, this bit has double the surface area to ensure template surface is not damaged.

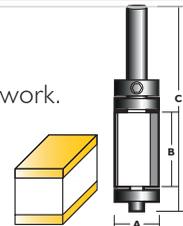
CARBIDE TIPPED - TWO FLUTE WITH DOUBLE BALL BEARING GUIDE  
**SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"**



PART No.	A		B		C		Bearing No.
	in.	mm	in.	mm	in.	mm	
CART 8012 BB	3/8	9.5	1	25.4	2-3/4	70	TB 9
CARTS 8012 BB	3/8	9.5	1/2	12.7	2-9/64	54.5	TB 9
CARTS 8016 BB	1/2	12.7	5/8	15.9	2-3/8	60	TB 11
CART 8016 BB	1/2	12.7	1	25.4	2-3/4	70	TB 11
CART 8016 BB 1/2	1/2	12.7	1	25.4	3-3/8	86	TB 11
CARTX 8016 BB 1/2	1/2	12.7	1-1/2	38.1	3-7/8	98	TB 11
CARTXX 8016 BB 1/2	1/2	12.7	2	50.8	4-1/4	108	TB 11
CART 8020 BB	5/8	15.9	1	25.4	3	76	TB 14
CART 8020 BB 1/2	5/8	15.9	1	25.4	3-3/8	86	TB 14
CART 8028 BB 1/2	0.866	22	1	25.4	3-1/2	89	TB 12
CARTX 8028 BB 1/2	0.866	22	1-1/2	38.1	4-5/32	105	TB 12

### FLUSH TRIM BITS - DUAL BEARING

Designed for trimming and template work. The top, bottom or both bearings can be used for a variety of trimming applications.

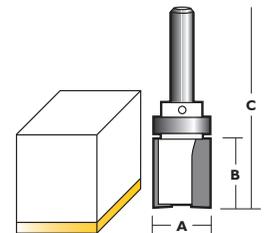


PART No.	A		B		C		End Bearing No.	Centre Bearing No.
	in.	mm	in.	mm	in.	mm		
CART 8216 DB	1/2	12.7	1.0	25.4	2-3/4	69.9	TB 11	TB 7
CART 8224 DB 1/2	3/4	19	1-1/2	38.1	4-11/64	105.9	TB 16	TB 4

### INVERTED FLUSH TRIMMING BITS

A handy bit for copy work where the template is between the work and the router.

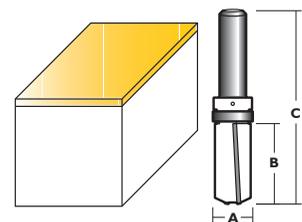
CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
**SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"**



PART No.	A		B		C		Bearing No.	Retaining Ring
	in.	mm	in.	mm	in.	mm		
CART 8212 B	3/8	9.5	3/4	19	2-11/64	55	TB 2	Circlip
CART 8216 B	1/2	12.7	3/4	19	2-11/64	55	TB 7	TZR 1
CART 8220 B	5/8	15.9	3/4	19	2-11/64	55	TB 14	TZR 1
CART 8224 B 1/2	3/4	19	1-1/2	38.1	3-5/8	92.1	TB 4	TZR 3
CARTX 8224 B 1/2	3/4	19	2	50.8	4-5/32	105.6	TB 4	TZR 3
CART 8236 B 1/2	1-1/8	28.6	1-1/2	38	3-1/3	89	TB 18	TZR 3

### INVERTED FLUSH TRIM BIT with Down Shear

CARBIDE TIPPED



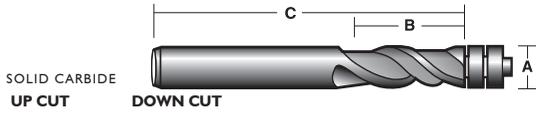
Retaining Ring TZR 3

PART No.	A		B		C		Bearing No.
	in.	mm	in.	mm	in.	mm	
CARTSH 8224 B 1/2	3/4	19	1-1/2	38.1	3-39/64	91.7	TB 4
CARTSHX 8224 B 1/2	3/4	19	1-61/64	50	4	101.6	TB 4

# Shank Type Tools

## SPIRAL FLUTE BIT - WITH BEARING

Ideal for template work where a superior finish is required.



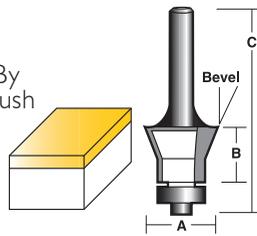
PART No	PART No	A		B		C		Bearing No.
		in.	mm	in.	mm	in.	mm	
CARTSRW 12 BB 3/8	TSLW 12 BB 3/8	3/8	9.5	1	25.4	3	76.2	TB9
CARTSRW 16 BB 1/2	TSLW 16 BB 1/2	1/2	12.7	1	25.4	3 5/8	92.1	TB11
CARTXSRW 16 BB 1/2	TXSLW 16 BB 1/2	1/2	12.7	1 1/2	38.1	4	101.6	TB11
CARTXXSRW 16 BB 1/2	TXXSLW 16 BB 1/2	1/2	12.7	2	50.8	4 1/2	114.3	TB11

## COMBINATION FLUSH & BEVEL TRIMMING BITS

A versatile bit with ball bearing guide. By adjusting the depth this bit will either flush trim or bevel trim.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

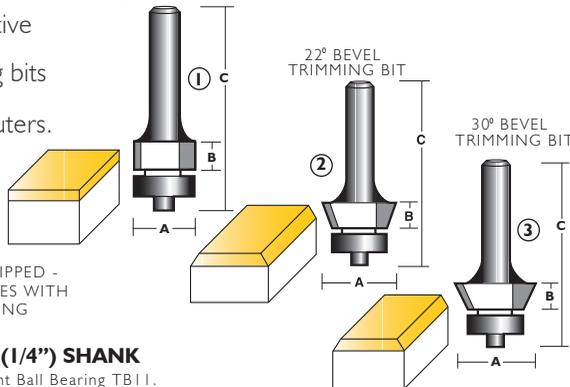
6.35 mm (1/4") SHANK



PART No.	A		B		C		BEVEL
	in.	mm	in.	mm	in.	mm	
CART 9122 B	3/4	19	0.580	14.7	2-3/16	55	22°
CART 9130 B	7/8	22.2	0.580	14.7	2-3/16	55	30°

## HANDYMAN RANGE - 2 Flutes

An effective range of trimming bits ideal for small routers.



CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

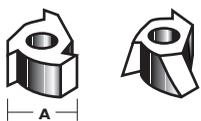
6.35 mm (1/4") SHANK

Replacement Ball Bearing TB11.

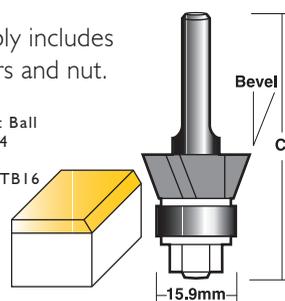
PART No.	A		B		C		Item
	in.	mm	in.	mm	in.	mm	
CART 192.00 B	1/2	12.7	1/4	6.35	1-3/4	44.4	1
CART 192.22 B	0.697	17.7	1/4	6.35	1-3/4	44.4	2
CART 192.30 B	0.784	19.3	1/4	6.35	1-3/4	44.4	3

## PROFESSIONAL RANGE - 3 Flutes

For extra smooth trimming. Assembly includes 3 flute cutter, bearing, arbor, spacers and nut.



Replacement Ball Bearing TB14  
For oversize Bearing use TB16



FLUSH AND BEVEL TRIMMING ASSEMBLIES  
SOLID CARBIDE - THREE FLUTES WITH BALL BEARING GUIDE

6.35 mm (1/4") SHANK

PART No.	BEVEL	Arbor No.	C	
			in.	mm
CARTA 193.00 B	Flush	TA 9	2-3/8	60
CARTA 193.22 B	22	TA 9	2-3/8	60

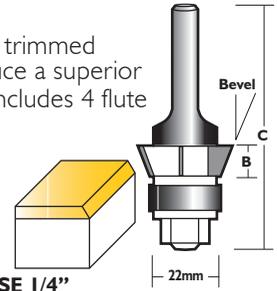
REPLACEMENT TRIMMING CUTTERS 6.35 mm (1/4") BORE

PART No.	BEVEL	A	
		in.	mm
CART 193.00	Flush	5/8	15.9
CART 193.22	22°	7/8	22.2

## HIGH PERFORMANCE

### PROFESSIONAL RANGE - 4 Flutes

These tools produce a chatter-free trimmed edge. At high feed rates they produce a superior finish to any other tool. Assembly includes 4 flute cutter, arbor (1/4" or 1/2" shank), bearing, nut and washer.



FLUSH AND BEVEL TRIMMING ASSEMBLIES  
CARBIDE TIPPED - FOUR FLUTES WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	BEVEL	Arbor No.	B		C	
			in.	mm	in.	mm
CARTA 194.00 B	Flush	TA 1	1/4	6.35	2-1/2	63.5
CARTA 194.00 B 1/2	Flush	TA 3	1/4	6.35	2-1/2	63.5
CARTA 194.15 B	15°	TA 1	1/4	6.35	2-1/2	63.5
CARTA 194.15 B 1/2	15°	TA 3	1/4	6.35	2-1/2	63.5
CARTA 194.25 B	25°	TA 1	1/4	6.35	2-1/2	63.5
CARTA 194.25 B 1/2	25°	TA 3	1/4	6.35	2-1/2	63.5
CARTA 194.45 B	45°	TA 1	1/4	6.35	2-1/2	63.5
CARTA 194.45 B 1/2	45°	TA 3	1/4	6.35	2-1/2	63.5

Replacement Ball Bearing TB12

For oversize Bearing use TB13

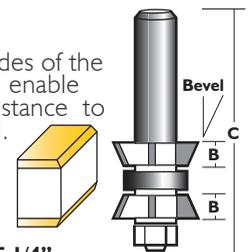


REPLACEMENT TRIMMING CUTTERS  
CARBIDE TIPPED - FOUR FLUTES  
8 mm (5/16") BORE

PART No.	BEVEL	A	
		in.	mm
CART 194.00	Flush	.866	22
CART 194.15	15°	1	25.4
CART 194.25	25°	1-1/8	28.6
CART 194.45	45°	1-3/8	35

## DOUBLE FLUSH AND BEVEL TRIMMING ASSEMBLIES

A time saving bit that will trim both sides of the board in one pass. Washers provided enable cutters to be separated the correct distance to suit thickness of board to be trimmed.

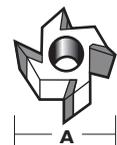


CARBIDE TIPPED - FOUR FLUTES WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	BEVEL	Arbor No.	B		C	
			in.	mm	in.	mm
CARTDA 194.00 B	FLUSH	TA 13	1/4	6.35	3	76
CARTDA 194.00 B 1/2	FLUSH	TA 14	1/4	6.35	3-1/4	82
CARTDA 194.15 B	15°	TA 13	1/4	6.35	3	76
CARTDA 194.15 B 1/2	15°	TA 14	1/4	6.35	3-1/4	82
CARTDA 194.25 B	25°	TA 13	1/4	6.35	3	76
CARTDA 194.25 B 1/2	25°	TA 14	1/4	6.35	3-1/4	82
CARTDA 194.45 B	45°	TA 13	1/4	6.35	3	76
CARTDA 194.45 B 1/2	45°	TA 14	1/4	6.35	3-1/4	82

Replacement Ball Bearing TB12



REPLACEMENT LEFT HAND TRIMMING CUTTERS  
8 mm (5/16") BORE

PART No.	BEVEL	A	
		in.	mm
CART 194.15 LH	15°	1	25.4
CART 194.25 LH	25°	1-1/8	28.6
CART 194.45 LH	45°	1-3/8	35

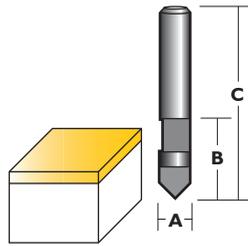
# Shank Type Tools

## COMBINATION FLUSH TRIMMING & DRILLING BIT

Drills through surface laminate into pre-cut opening and trims edge square in one operation.

SOLID CARBIDE - SINGLE FLUTE WITH PILOT

6.35 mm (1/4") SHANK



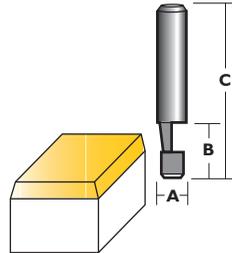
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 703-507	1/4	6.35	5/8	16	1-1/2	38.1

## 7° BEVEL TRIMMING BIT

Provides 7° bevel to trim the edge of plastic laminated surfaces. Built-in pilot eliminates guide assembly.

SOLID CARBIDE - SINGLE FLUTE WITH PILOT

6.35 mm (1/4") SHANK



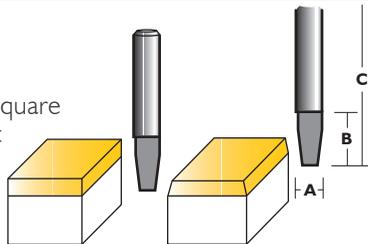
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 403-501	3/16	4.8	1/2	12.7	1-1/2	38.1

## COMBINATION FLUSH & 7° BEVEL TRIMMING BIT

Provides 7° bevel or 0° square cut on the edge of plastic laminated surfaces.

SOLID CARBIDE - SINGLE FLUTE

6.35 mm (1/4") SHANK



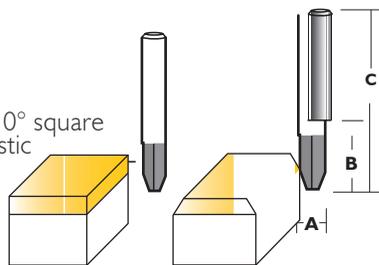
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 2614	1/4	6.35	3/8	9.5	1-1/2	38.1

## COMBINATION FLUSH & 22° BEVEL TRIMMING BITS

Provides 22° bevel or 0° square cut on the edge of plastic laminated surfaces.

SOLID CARBIDE - SINGLE FLUTE

6.35 mm (1/4") SHANK



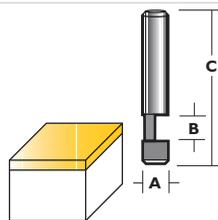
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTBD 22	1/4	6.35	1/2	12.7	1	25.4
CARTBDX 22	1/4	6.35	1/2	12.7	1-1/2	38.1

## FLUSH TRIMMING BIT

Makes square trim edge cuts. Has integral pilot

SOLID CARBIDE - SINGLE FLUTE WITH PILOT

6.35 mm (1/4") SHANK



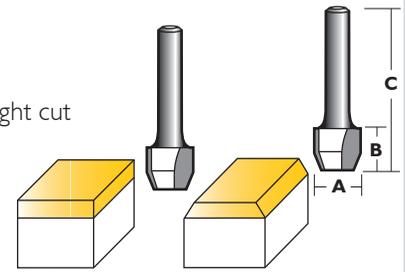
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 303-500	1/4	6.35	1/4	6.35	1-1/2	38.1

## COMBINATION FLUSH & 22° BEVEL TRIMMING BITS

Provides a 22° or 0° straight cut on the edge of plastic laminated surfaces.

CARBIDE TIPPED - TWO FLUTES

6.35 mm (1/4") SHANK



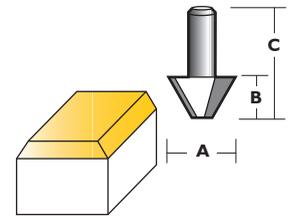
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 2622	15/32	12	7/16	11	1-5/8	41
CARTX 2622	9/16	14.3	3/4	19	-	51

## 30° BEVEL TRIMMING BITS

Provides a 30° bevel to trim the edge of plastic laminated surfaces.

CARBIDE TIPPED - TWO FLUTES

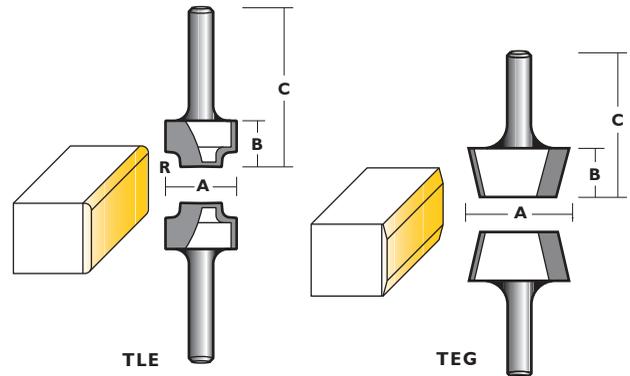
6.35 mm (1/4") SHANK



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTBD 30	5/8	15.9	3/8	9.5	1	25.4
CARTBDX 30	5/8	15.9	3/8	9.5	1-3/8	35

## EDGE BAND TRIM BITS

CARBIDE TIPPED



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTLE 24	3/4	19.0	31/64	12.3	1-45/64	43.3	5/64	2.0
CARTLE 24 LH	3/4	19.0	31/64	12.3	1-45/64	43.3	5/64	2.0

15° BEVEL

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTEG 15	1-17/64	32.0	33/64	13.0	1-1/2	38.1
CARTEG 15 LH	1-17/64	32.0	33/64	13.0	1-1/2	38.1

## GROOVE FORMING BITS

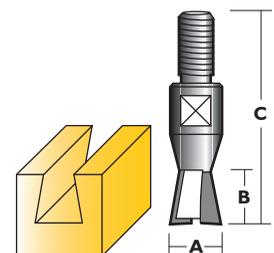
### BROOKMAN DOVETAIL BIT

A bit specially designed to be used in the Brookman dovetailing machine.

CARBIDE TIPPED - TWO FLUTES

3/8" B.S.F.

EXTERNAL THREAD



PART No.	A		B		C		Bevel
	in.	mm	in.	mm	in.	mm	
CART 100	.520	13.2	9/16	14.3	2-1/4	57.1	10°

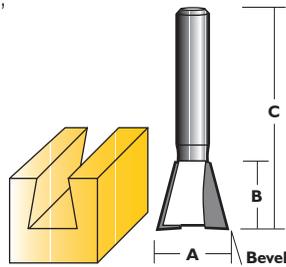
# Shank Type Tools

## DOVETAIL BITS

For dovetail joint, drawer fronts, etc. for the quality minded

TWO FLUTE

**SUFFIX 1/2 = 1/2" SHANK,**  
**SUFFIX 3/8 = 3/8" SHANK,**  
**SUFFIX 10mm = 10mm**  
**SHANK, OTHERWISE 1/4"**



PART No.	A		B	C		Bevel
	in.	mm	mm	in.	mm	

### HIGH SPEED STEEL

CARH 1012	9/32	7.1	9.5	1-5/8	41	5°
CARH 1018	9/16	14.3	13.5	1-5/8	41	15°
CARH 1018 1/2	9/16	14.3	13.5	2	50.8	15°

### SOLID CARBIDE

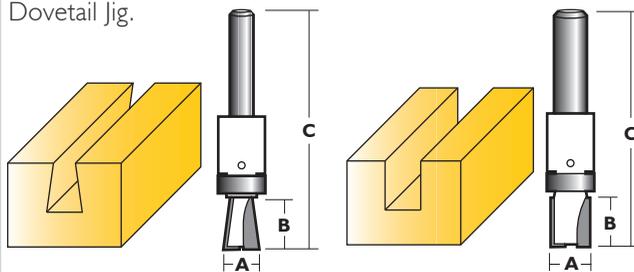
CART 1012	9/32	7.1	9.5	1-1/2	38.1	5°
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### CARBIDE TIPPED

CART 1016	1/2	12.7	13.5	1-3/4	44.4	15°
CART 1018	9/16	14.3	13.5	1-3/4	44.4	15°
CART 1018 3/8	9/16	14.3	13.5	2-3/4	70	15°
CART 1018 10MM	9/16	14.3	13.5	2-3/4	70	15°
CART 1018 1/2	9/16	14.3	13.5	2-3/4	70	15°
CART 1019	19/32	15	12.7	1-3/4	44.4	15°
CART 1024 1/2	3/4	19	26	2-3/4	70	5°

## DOVETAIL "GIFKINS" BITS

To suit 'Gifkins' Dovetail Jig.



CARBIDE TIPPED - TWO FLUTES

PART No.	A		B		C		Bevel	Retaining Ring
	in.	mm	in.	mm	in.	mm		
CARTGAD 12	3/8	9.5	33/64	13.0	2-1/2	63.5	8°	TZR 4
CARTGBD 16 1/2	5/8	15.9		22.0	2-5/16	84.0	8°	TZR 3
CARTGAS 12	3/8	9.5	33/64	13.0	2-31/64	63.0	0°	TZR 4
CARTGBS 16 1/2	1/2	12.7		22.0	3-5/16	84.0	0°	TZR 3
CARTGHD 12 *	.244	6.2	25/64	10	2-1/4	57.1	7°	TZR 4
CARTGHS 12	.433	11	25/64	10	2-1/4	57.1	0°	TZR 4

\*Solid Carbide

Replacement Ball Bearings 1/4 Shank - TB7, 1/2 Shank - TB4

## T-CUT DOVETAIL BIT

This bit allows you to cut matching dovetail joints to the precision and accuracy found in fine furniture.

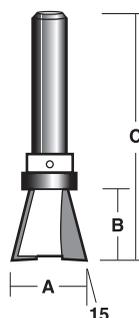
Suits T-CUT Dovetail Jig.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

**6.35mm (1/4") SHANK**

PART No.	A	B	C	Retaining Ring
CARTB 19149	14.9	10	46	TZR I

Replacement Ball Bearing TB7.

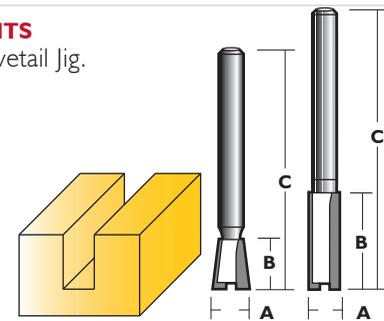


## DOVETAIL "LEIGH" BITS

To suit the 'Leigh' Dovetail Jig.

CARBIDE TIPPED - TWO FLUTES

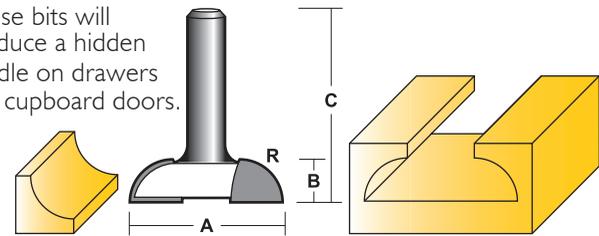
**SUFFIX 1/2 = 1/2" SHANK,**  
**OTHERWISE 1/4"**



PART No.	A		B		C		Bevel
	in.	mm	in.	mm	in.	mm	
CARTL 70	3/8	9.5	1/2	12.7	2-3/8	60	8°
CARTL 80	1/2	12.7	13/16	20.6	2-3/4	70	8°
CARTL 90 1/2	11/16	17.4	1	25.4	2-7/8	73	8°
CARTL 100 1/2	13/16	20.6	1-1/4	31.8	3-1/8	79	8°
CARTL 120	1/2	12.7	1/2	12.7	2-3/8	60	14°
CARTL 140	5/16	8	1	25.4	2-7/8	73	0°
CARTL 150 1/2	7/16	11.1	1	25.4	3	76	0°
CARTL 160 1/2	1/2	12.7	1	25.4	3	76	0°

## DRAWER PULL BITS

These bits will produce a hidden handle on drawers and cupboard doors.

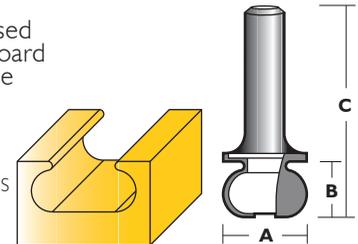


CARBIDE TIPPED - TWO FLUTES

**12.7mm (1/2") SHANK**

PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTDC 16 1/2	1-3/4	44.4	1/2	12.7	2-1/2	63.5	1/2	12.7
CARTDC 20 1/2	2	50.8	9/16	14.3	2-9/16	65	9/16	14.3
CARTDC 24 1/2	2-1/4	57.1	3/4	19	2-5/8	67	3/4	19

These bits produce a recessed handle on drawers or cupboard doors that is both decorative and functional.



CARBIDE TIPPED - TWO FLUTES

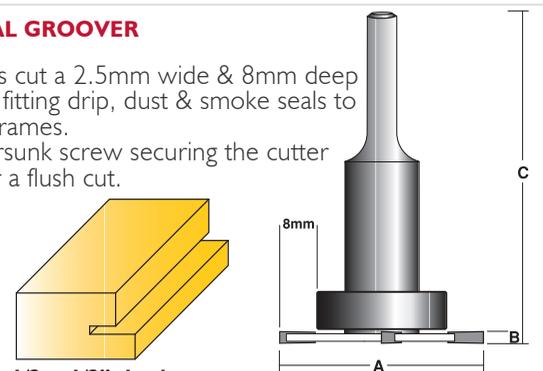
**SUFFIX 1/2 = 1/2" SHANK,**  
**OTHERWISE 1/4"**

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTDP 20	1	25.4	.609	15.5	2	50.8
CARTDP 20 1/2	1	25.4	.609	15.5	2-3/8	60
CARTDP 35 1/2	1-1/4	31.8	.760	19.3	2-3/4	70

## DRIP SEAL GROOVER

These bits cut a 2.5mm wide & 8mm deep groove for fitting drip, dust & smoke seals to window frames.

A countersunk screw securing the cutter allows for a flush cut.



**Suffix 1/2 = 1/2" shank**  
**Otherwise 1/4" shank**

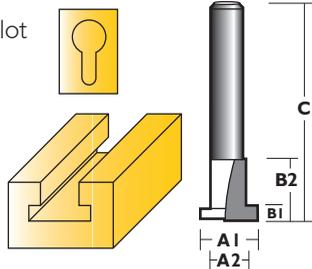
**Replacement Ball Bearing TB17**

PART No.	A		B		C		ARBOR
	in.	mm	in.	mm	in.	mm	
CARTDSG 44 B	1-47/64	44	3/32	2.5	2-51/64	71	TA 25
CARTDSG 44 B 1/2	1-47/64	44	3/32	2.5	2-51/64	71	TB 26

## Groove Forming Bits

### HOOK SLOT BITS

This bit will quickly drill and slot a convenient screw, nail or hook slot in the back of a picture frame, hanging shield, etc.



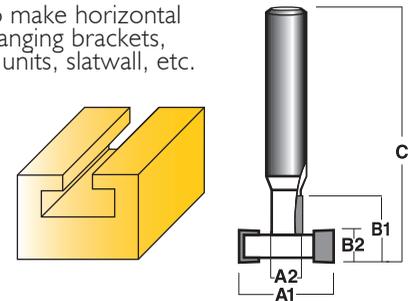
CARBIDE TIPPED - SINGLE FLUTE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	A1		A2		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTHS 12	.355	9	3/16	4.8	1/8	3.2	3/8	9.5	1-5/8	41
CARTHS 16	1/2	12.7	5/16	8	1/8	3.2	1/2	12.7	1-3/4	44.4
CARTHS 16 1/2	1/2	12.7	5/16	8	1/8	3.2	1/2	12.7	2-5/8	67

### T-SLOT CUTTERS

These bits allow you to make horizontal T-slots when used in hanging brackets, or creating wall display units, slatwall, etc.



CARBIDE TIPPED  
A1 - TWO FLUTES  
A2 - SINGLE FLUTE

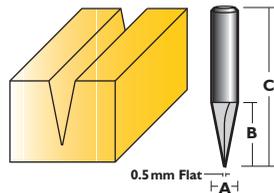
12.7mm (1/2") SHANK

PART No.	A1		A2		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTSA 28 1/2	1-7/64	28	25/64	10	57/64	22.7	25/64	10	3-3/32	78.5
CARTSA 30 1/2	1-3/16	30	25/64	10	57/64	22.7	25/64	10	3-3/32	78.5
CARTSA 30.6 1/2	1-13/64	30.6	27/64	10.6	45/64	18	25/64	10	3-3/32	78.5

## Edge and Face Forming Bits

### 22.5° VEE GROOVE BITS

22.5 Degree included Angle -  
Single Flute - Solid Carbide



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTV 2208	1/4	6.4	37/64	14.7	2-1/4	57.2
CARTV 2216 1/2	1/2	12.7	1-13/64	30.6	3	76.2

### 30° VEE GROOVE BITS

30 Degree included Angle -  
Single Flute - Solid Carbide

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTV 3008	1/4	6.4	-	10.9	2-1/4	57.2
CARTV 3016 1/2	1/2	12.7	-	22.8	3	76.2

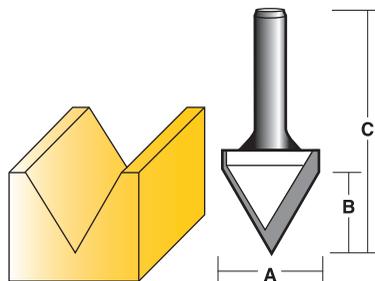
### 45° VEE GROOVE BITS

45 Degree included angle - Single Flute - Solid Carbide

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTV 4508	1/4	6.35	-	7.0	2-1/4	57.15
CARTV 4516 1/2	1/2	12.7	37/64	14.7	3.0	76.2

### 60° VEE GROOVE BITS

This bit is specifically designed for sign and lettering work.



60° INCLUDED ANGLE  
CARBIDE TIPPED  
- TWO FLUTES

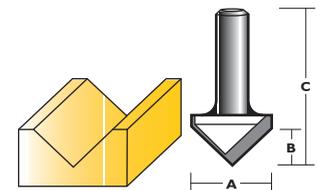
SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

\* These bits are not guaranteed against tip breakage due to thin section of carbide at the point

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 6128	1	25.4	-	22.4	2-1/4	57.1
CART 6128 1/2	1	25.4	-	22.4	2-3/4	70

### 90° VEE GROOVE BITS

A versatile bit for decorative vee grooves and chamfering. Used for sign and lettering work. Also mitre joints for box fabrication.



90° INCLUDED ANGLE  
TWO FLUTES  
CARBIDE TIPPED

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm

HIGH SPEED STEEL

CARH 112	17/32	13.5	3/8	9.5	1-3/8	35
CARH 128	1-15/64	31.3	7/8	22	1-7/8	47

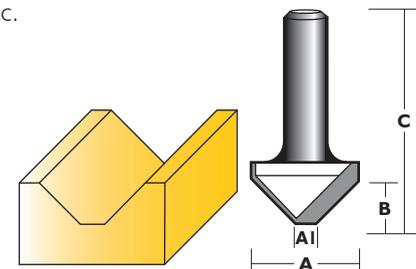
CARBIDE TIPPED

CART 112	45/64	18	.365	9.2	1-3/4	44.4
• CART 112 W/F *	45/64	18	-	7	-	42
CART 128	1-15/64	31.3	5/8	15.9	2	50.8
CART 128 1/2	1-15/64	31.3	5/8	15.9	2-1/2	63.5
CART 1230 1/2	1-9/16	39.7	25/32	20	3-3/8	86
• CART 1236 1/2	1-49/64	45	1-13/64	30.5	3-13/64	81.5
CART 1240 1/2	2	50.8	1	25.4	3	76

\* Ground with a flat, for use on aluminium composite materials.

### 90° VEE GROOVE BITS WITH FLAT

For routing aluminium composite materials etc. to enable the material to be bent to 90°.

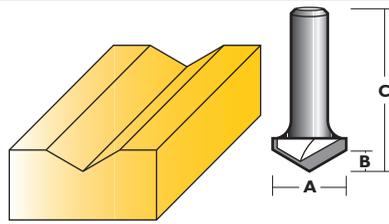


90° INCLUDED ANGLE  
TWO FLUTES  
CARBIDE TIPPED

PART No.	A		B		C	
	mm	mm	mm	mm	mm	mm
CART 112 W/F	18	3	7.5	45		
• CART 128 W/F	31.3	3	14.7	52		
• CART 128 1/2 W/F	31.3	3	14.7	64		

# Shank Type Tools

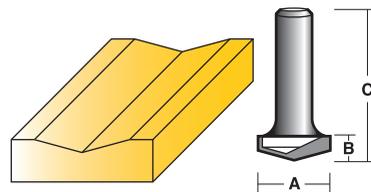
**120° VEE GROOVE BITS**  
120 Degree Included Angle – Two Flute – Carbide Tipped



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTV 1232	1	25.4	-	7.5	1-45/64	43.3
CARTV 1232 1/2	1	25.4	-	7.5	2-13/64	55.9
CARTV 1264 1/2	2	50.8	-	14.7	2-29/32	73.8

**150° VEE GROOVE BITS**  
150 Degree Included Angle - Two Flute - Carbide Tipped

Suffix 1/2 = 1/2" shank  
Otherwise 1/4" shank

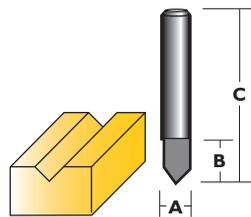


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTV 1532	1	25.4	21/64	8.4	1-19/32	40.4
CARTV 1532 1/2	1	25.4	21/64	8.4	2.10	53.4
CARTV 1564 1/2	2	50.8	0.058	14.8	2-19/32	65.8

**PROVINCIAL DESIGN**

**VEINING BITS**  
For recess design veining in fine cabinet surfaces.  
Designed for template routing.

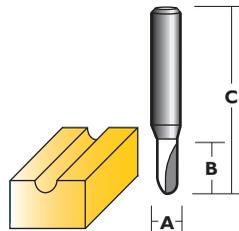
90° INCLUDED ANGLE  
SOLID CARBIDE - SINGLE FLUTE  
**6.35 mm (1/4") SHANK**



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CART 503-502	3/32	2.4	1/4	6.35	1-1/2	38.1
CART 503-503	1/8	3.2	1/4	6.35	1-1/2	38.1
CART 503-504	3/16	4.8	1/4	6.35	1-1/2	38.1
CART 503-505	1/4	6.35	3/8	9.5	1-1/2	38.1

**VEINING BITS**  
For grooving and scoring panel designs in wood surfaces such as cupboard doors.

SINGLE FLUTE  
**6.35 mm (1/4") SHANK**



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm

HIGH SPEED STEEL

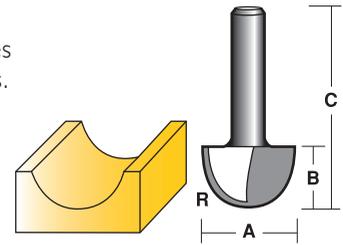
CARH 302	1/16	1.6	3/16	4.8	1-5/8	41
CARH 304	1/8	3.2	5/16	7.9	1-5/8	41
CARH 307	7/32	5.5	7/16	11.1	1-5/8	41

SOLID CARBIDE

CART 302	1/16	1.6	3/16	4.8	1-1/2	38.1
CART 303	3/32	2.4	3/16	4.8	1-1/2	38.1
CART 304	1/8	3.2	5/16	7.9	1-1/2	38.1
CART 305	5/32	4	5/16	7.9	1-1/2	38.1
CART 306	3/16	4.8	7/16	11.1	1-1/2	38.1
CART 307	7/32	5.5	7/16	11.1	1-1/2	38.1

**CORE BOX BITS**  
For use in fluting flat surfaces such as mantles and facades.

TWO FLUTE  
SUFFIX 1/2 = 1/2"  
SHANK, OTHERWISE 1/4"



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm

HIGH SPEED STEEL

CARH 408	1/4	6.35	1/4	6.35	1-1/4	31.8	1/8	3.2
CARH 412	3/8	9.5	1/4	6.35	1-1/4	31.8	3/16	4.8
CARH 416	1/2	12.7	11/32	8.7	1-1/4	31.8	1/4	6.35
CARH 420	5/8	15.9	3/8	9.5	1-3/8	35	5/16	8.0
CARH 424	3/4	19	15/32	12	1-3/8	35	3/8	9.5

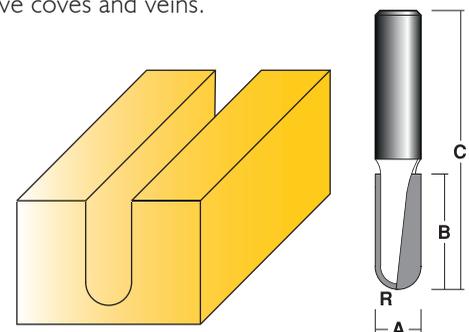
SOLID CARBIDE

CART 408	1/4	6.35	5/16	8	1-1/2	38.1	1/8	3.2
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CARBIDE TIPPED

CART 410	5/16	7.9	1/4	6.35	1-1/4	31.8	5/32	4.0
CART 412	3/8	9.5	1/4	6.35	1-1/4	31.8	3/16	4.8
CART 416	1/2	12.7	31/64	12.2	1-1/2	38.1	1/4	6.35
CART 416 1/2	1/2	12.7	31/64	12.2	2-1/4	57.1	1/4	6.35
CART 420	5/8	15.9	3/8	9.5	1-3/4	44.4	5/16	8.0
CART 420 1/2	5/8	15.9	3/8	9.5	2-1/4	57.1	5/16	8.0
CART 424	3/4	19	1/2	12.7	1-7/8	47	3/8	9.5
CART 424 1/2	3/4	19	1/2	12.7	2-1/4	57.1	3/8	9.5
CART 432 1/2	1	25.4	5/8	15.9	2-1/2	63.5	1/2	12.7
CART 440 1/2	1-1/4	31.8	3/4	19	2-1/2	63.5	5/8	15.9
CART 448 1/2	1-1/2	38	7/8	22.2	2-5/8	67	3/4	19.0

**ROUND NOSE BITS**  
For decorative coves and veins.

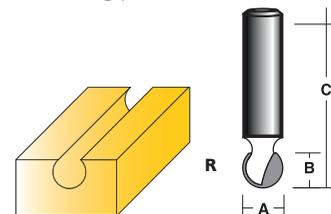


Carbide Tipped  
Two Flute

PART No.	A		B		C		R Radius	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTRN 416 1/2	1/2	12.7	1 1/4	31.75	3.0	76.7	1/4	6.35
CARTRN 420 1/2	5/8	15.9	1 1/4	31.75	3.0	76.7	5/16	8
CARTRN 424 1/2	3/4	19	1 1/2	38.1	3.27	83.1	3/8	9.5

**BALL END BITS**

For cutting a channel for ropes, cables or pipes.  
We recommend cutting a straight groove prior to using the ball end bit to ease the cutting pressure on the tool.

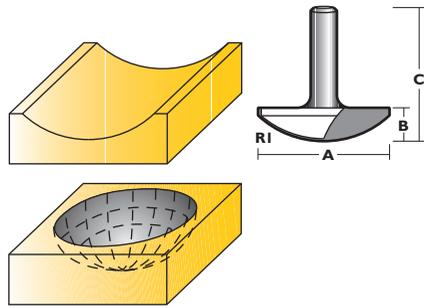


Carbide Tipped  
Two Flute

PART No.	A		B		C		R Radius	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTBE 416 1/2	1/2	12.7	7/16	11	2-13/64	56	1/4	6.35
CARTBE 420 1/2	5/8	15.9	9/16	14.2	2-21/64	59.2	5/16	8
CARTBE 424 1/2	3/4	19	11/16	17.5	2.46	62.5	3/8	9.5

## EDGE AND FACE FORMING BITS

### HALF CORE BOX BITS



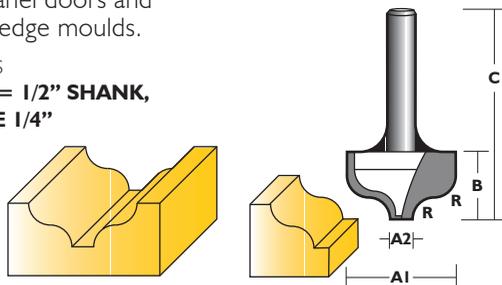
PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTH 45 1/2	2-1/2	63.5	43/64	17.0	2-45/64	68.7	-	45.0
CARTH 75 1/2	3	76.2	23/32	18.3	2-13/16	71.4	2-61/64	75.0

### OGEE BITS

Used for panel doors and decorative edge moulds.

TWO FLUTES

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"



PART No.	A1		A2		B		C		R RADIUS	
	mm	mm	in.	mm	in.	mm	in.	mm	in.	mm

#### HIGH SPEED STEEL

CARH 7506	20	4.8	5/8	15.9	1-3/4	44.4	3/16	4.8
CARH 7509	30.5	4.8	7/8	22.2	1-7/8	47	9/32	7.1

#### CARBIDE TIPPED

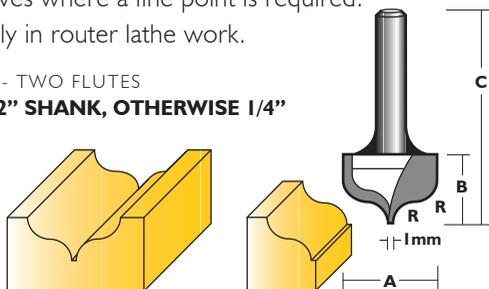
CART 7502	9.9	3.6	3/8	9.5	1-7/8	47	1/16	1.6
CART 7502 1/2	9.9	3.6	3/8	9.5	2-1/2	63.5	1/16	1.6
CART 7504	16.2	3.6	1/2	12.7	1-7/8	47	1/8	3.2
CART 7504 1/2	16.2	3.6	1/2	12.7	2-1/2	63.5	1/8	3.2
CART 7506	23.8	4.8	5/8	15.9	1-7/8	47	3/16	4.8
CART 7506 1/2	23.8	4.8	5/8	15.9	2-1/2	63.5	3/16	4.8
CART 7509	31.2	4.8	45/64	18	1-7/8	47	1/4	6.35
CART 7509 1/2	31.2	4.8	45/64	18	2-1/2	63.5	1/4	6.35

### OGEE BITS FINE POINT

For Ogee grooves where a fine point is required. Used extensively in router lathe work.

CARBIDE TIPPED - TWO FLUTES

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTF 7506	.815	20.7	33/64	13	1-7/8	47	3/16	4.8
CARTF 7506 1/2	.815	20.7	33/64	13	2-1/4	57.1	3/16	4.8
CARTF 7509	1.040	26.4	5/8	15.9	1-7/8	47	1/4	6.35
CARTF 7509 1/2	1.040	26.4	5/8	15.9	2-1/2	63.5	1/4	6.35

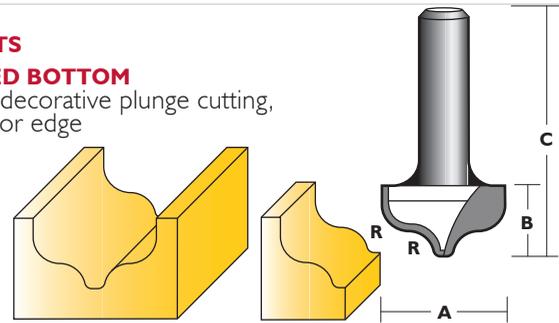
### OGEE BITS

#### ROUNDED BOTTOM

Used for decorative plunge cutting, grooving or edge forming.

CARBIDE TIPPED - TWO FLUTES

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTR 7506	.937	23.7	.580	14.7	1-7/8	47	3/16	4.7
CARTR 7506-1/2	.937	23.7	.580	14.7	2-1/2	63.5	3/16	4.7
CARTR 7509	1-1/4	32	.700	17.7	1-7/8	47	1/4	6.35
CARTR 7509-1/2	1-1/4	32	.700	17.7	2-1/2	63.5	1/4	6.35

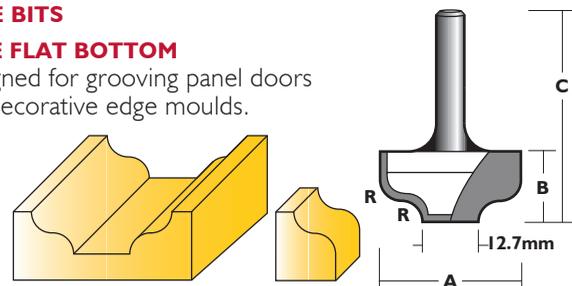
### OGEE BITS

#### WIDE FLAT BOTTOM

Designed for grooving panel doors and decorative edge moulds.

CARBIDE TIPPED - TWO FLUTES

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"



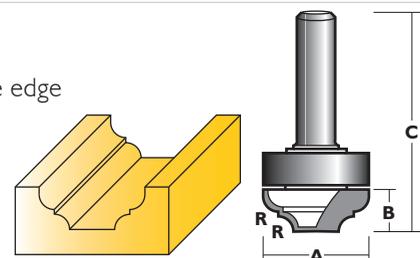
PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTW 7506	1-1/4	31.8	5/8	15.9	1-7/8	47	3/16	4.8
CARTW 7506 1/2	1-1/4	31.8	5/8	15.9	2-1/2	63.5	3/16	4.8
CARTW 7509	1-1/2	38.1	3/4	19	2	50.8	1/4	6.35
CARTW 7509 1/2	1-1/2	38.1	3/4	19	2-1/2	63.5	1/4	6.35

### PROVINCIAL BITS

#### WITH BEARING

Used for decorative edge and face moulds.

CARBIDE TIPPED - TWO FLUTES



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTCRR 3 B	-	22.0	25/64	10.0	2	50.8	1/8	3.2
CARTCRR 5 B 1/2	1-3/8	35.0	35/64	14.0	2-45/64	68.7	-	5.0

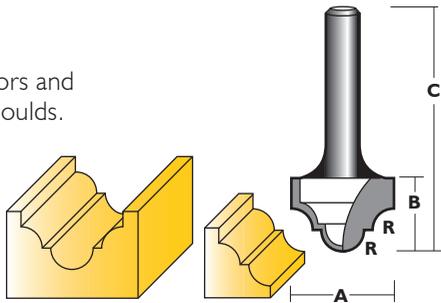
Replacement Bearings 1/4 "TB12, 1/2" -TB21

# Shank Type Tools

## CLASSICAL BITS

Used for panel doors and decorative edge moulds.

CARBIDE TIPPED - TWO FLUTES  
SUFFIX 1/2 = 1/2" SHANK,  
OTHERWISE 1/4"

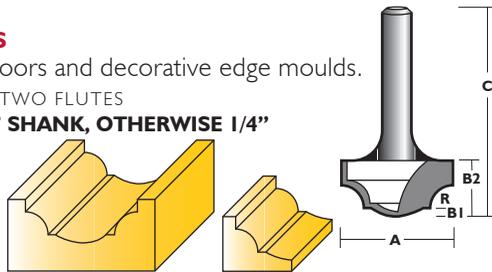


PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTC 6	1/2	12.7	1/2	12.7	1-3/4	44.4	3/32	2.4
CARTC 6 1/2	1/2	12.7	1/2	12.7	2-1/2	63.5	3/32	2.4
CARTC 10	.760	19.2	9/16	14.3	1-3/4	44.4	5/32	4
CARTC 10 1/2	.760	19.2	9/16	14.3	2-5/16	58.6	5/32	4
CARTC 12 1/2	57/64	22.6	5/8	15.9	2-1/2	63.5	3/16	4.8
CARTC 16 1/2	1-5/32	29.2	3/4	19	2-1/2	63.5	1/4	6.35

## TRADITIONAL CLASSICAL BITS

Used for panel doors and decorative edge moulds.

CARBIDE TIPPED - TWO FLUTES  
SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

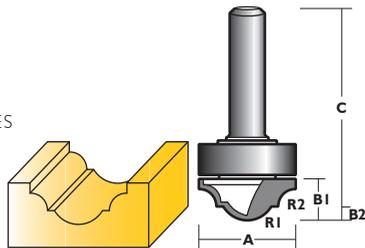


PART No.	A		B1		B2		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTTC 8	11/16	17.4	0.070	1.8	1/2	12.7	1-3/4	44.4	1/8	3.2
CARTTC 8 1/2	11/16	17.4	0.070	1.8	1/2	12.7	2-1/4	57.1	1/8	3.2
CARTTC 12	.925	23.5	0.070	1.8	1/2	12.7	1-3/4	44.4	3/16	4.8
CARTTC 12 1/2	.925	23.5	0.070	1.8	1/2	12.7	2-1/4	57.1	3/16	4.8
CARTTC 16 1/2	1.160	29.5	1/8	3.2	5/8	16	2-1/4	57.1	1/4	6.35

## TRADITIONAL CLASSICAL BITS

with bearing

CARBIDE TIPPED - TWO FLUTES



PART No.	A	B1	B2	C	R1	R2
	mm	mm	mm	mm	mm	mm
CARTTCR 4 B	22.0	12.7	4.8	54	5.5	4
CARTTCR 6 B 1/2	35.0	14.3	4.8	73.0	10.3	6.0

Replacement Bearings 1/4 "TB12, 1/2" -TB21

## BEADING BITS

For grooving panel designs in wood surfaces such as cupboard doors.

CARBIDE TIPPED - TWO FLUTES

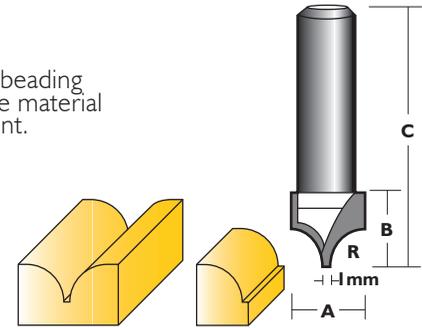
SUFFIX 1/2 = 1/2" SHANK,  
OTHERWISE 1/4"



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTBB 4	3/8	9.5	3/8	9.5	1-3/4	44.4	1/8	3.2
CARTBB 4 1/2	3/8	9.5	3/8	9.5	2-1/4	57.1	1/8	3.2
CARTBB 8	5/8	15.9	1/2	12.7	1-3/4	44.4	1/4	6.35
CARTBB 8 1/2	5/8	15.9	1/2	12.7	2-1/4	57.1	1/4	6.35

## BEADING BITS FINE POINT

This bit produces a beading on the surface of the material coming to a fine point.

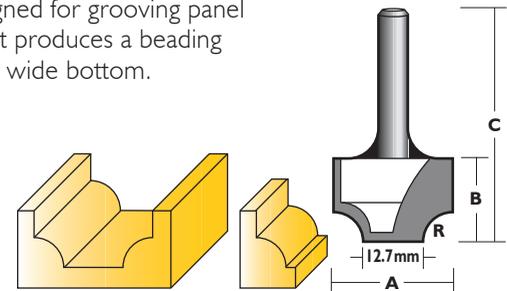


CARBIDE TIPPED - TWO FLUTES  
SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTBF 4	.290	7.4	3/8	9.5	1-3/4	44.4	1/8	3.2
CARTBF 4 1/2	.290	7.4	3/8	9.5	2-5/8	67	1/8	3.2
CARTBF 8	-	13.7	1/2	12.7	1-3/4	44.4	1/4	6.35
CARTBF 8 1/2	-	13.7	1/2	12.7	2-5/8	67	1/4	6.35

## BEADING BITS WIDE FLAT BOTTOM

Specially designed for grooving panel doors. This bit produces a beading groove with a wide bottom.

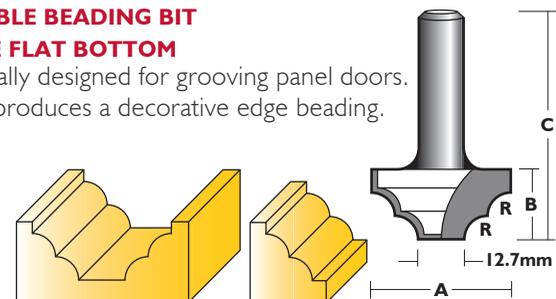


CARBIDE TIPPED - TWO FLUTES  
SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTBW 4	3/4	19	7/16	11.1	1-3/4	44.4	1/8	3.2
CARTBW 4 1/2	3/4	19	7/16	11.1	2-1/4	57.1	1/8	3.2
CARTBW 8	1	25.4	3/4	19	2-3/8	50.8	1/4	6.35
CARTBW 8 1/2	1	25.4	3/4	19	2-3/8	60	1/4	6.35

## DOUBLE BEADING BIT WIDE FLAT BOTTOM

Specially designed for grooving panel doors. Also produces a decorative edge beading.



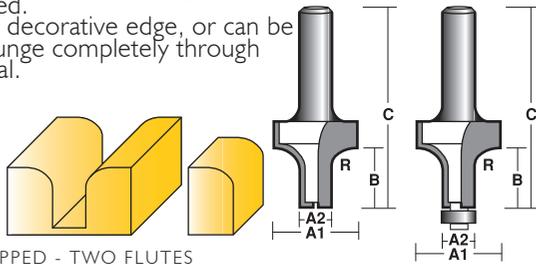
CARBIDE TIPPED - TWO FLUTES  
SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTBD 4	1	25.4	7/16	11.1	1-3/4	44.4	1/8	3.2
CARTBD 4 1/2	1	25.4	7/16	11.1	2-1/4	57.1	1/8	3.2
CARTBD 8 1/2	1-1/2	38.1	3/4	19	2-1/2	63.5	1/4	6.35

# Shank Type Tools

## EXTENDED ROUNDING OVER BITS

This bit is used for rounding over edges in areas where a ball bearing is not required. It makes a decorative edge, or can be used to plunge completely through the material.



CARBIDE TIPPED - TWO FLUTES  
**SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"**  
 NO BEARING

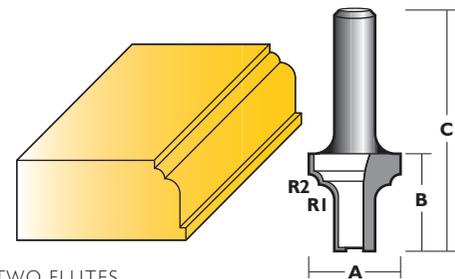
PART No.	A1 mm	A2 mm	B mm	C mm	R RADIUS mm
CARTX 506	20	10	16	53	5
CARTX 508	25	13	19	59	6
CARTX 508 1/2	25	13	19	72	6
CARTX 512 1/2	33	13	25	79	10
CARTX 516 1/2	39	13	25	84	13
CARTX 520 1/2	45	13	28.6	82	16
CARTX 524 1/2	51	13	31.8	90.8	19

WITH BEARING

PART No.	A1 mm	A2 mm	B mm	C mm	R RADIUS mm
CARTX 508 B 1/2	24.7	12.7	19	71	6
CARTX 512 B 1/2	32.7	12.7	25	74	10
CARTX 516 B 1/2	38.7	12.7	25	80	13

Replacement Ball Bearing TB11

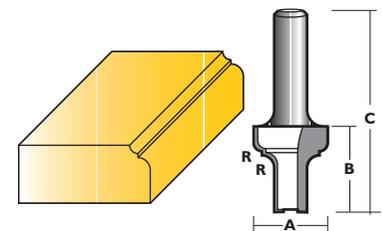
## EXTENDED DOUBLE BEADING BITS



CARBIDE TIPPED - TWO FLUTES

PART No.	A		B		C		R1 RADIUS		R2 RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTBX 604 1/2	1	25.4	1-1/8	28.6	2-29/32	73.8	1/8	3.2	1/8	3.2
CARTBX 606 1/2	1-1/8	28.6	1-3/16	30.2	3	76.2	3/16	4.8	1/8	3.2

## EXTENDED PROVINCIAL BITS

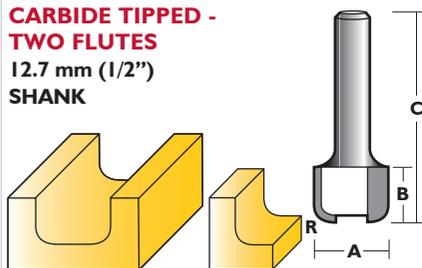


CARBIDE TIPPED - TWO FLUTES

PART No.	A		B		C		R1 RADIUS		R2 RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTCRX 8 1/2	1	25.4	1-15/64	31.3	3	76.2	1/8	3.2	1/8	3.2
CARTCRX 12 1/2	1-1/8	28.6	1-19/64	32.9	3-7/64	79.0	3/16	4.8	1/8	3.2

## Dish Cut Bits

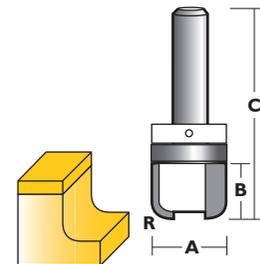
### CARBIDE TIPPED - TWO FLUTES 12.7 mm (1/2") SHANK



PART No.	A mm	B mm	C mm	R RADIUS mm
CARTD 706 1/2	19	19	64	4.75
CARTD 716 1/2	32	32	77	6.5

These bits are used for routing trays, bowls, plates and boxes. They have a wide surface cut, to quickly remove excess material.

### CARBIDE TIPPED - TWO FLUTES WITH BEARING 12.7 mm (1/2") SHANK



PART No.	A mm	B mm	C mm	R RADIUS mm	BEARING No.
CARTD 706 B 1/2	19	19	76.8	4.75	TB4
CARTD 712 B 1/2	28.6	32	89.9	6	TB18

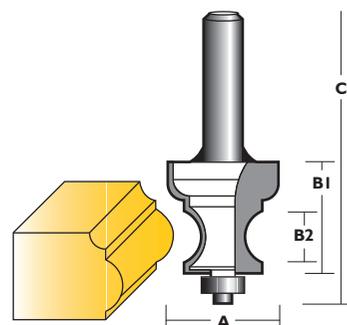
Retaining Ring TZR 3

## Edge Forming Bits

### PALACE PATTERN BITS

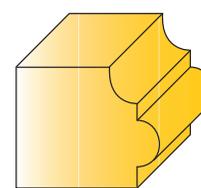
An attractive edge mould for table and bench tops.

CARBIDE TIPPED - TWO FLUTE WITH BALL BEARING GUIDE  
 12.7 mm (1/2") SHANK

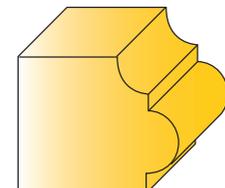


PART No.	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTEB 09 B 1/2	1-1/4	31.8	1	25.4	9/32	7.1	3-1/8	79
CARTEB 10 B 1/2	1-1/4	31.8	1	25.4	3/8	9.5	3-1/8	79
CARTEB 11 B 1/2	1-5/16	33	1-9/32	32.5	0.590	15	3/8	86
CARTEB 12 B 1/2	1-9/32	32.5	1-9/32	32.5	3/4	19	3-1/4	82

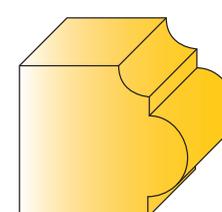
Replacement Ball Bearing TB11.



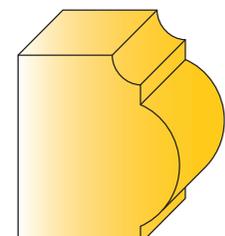
PART No. TE09 B 1/2



PART No. TE10 B 1/2



PART No. TE11 B 1/2



PART No. TE12 B 1/2

# Shank Type Tools

## ROUNDING OVER BITS

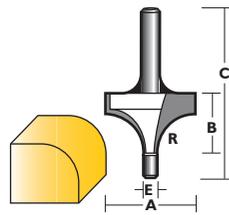
### BITS

Ideal for drop leaf table joints and rounded edges.

E = 4.8mm (3/16")

TWO FLUTE - WITH PILOT

6.35 mm (1/4") SHANK



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm

#### HIGH SPEED STEEL

CARH 508	3/4	19	1/2	12.7	1-7/8	47	1/4	6.35
CARH 510	3/4	19	1/2	12.7	1-7/8	47	5/16	7.9
CARH 512	1	25.4	5/8	15.9	2	50.8	3/8	9.5
CARH 516	1-1/4	31.8	13/16	20.6	2	50.8	1/2	12.7

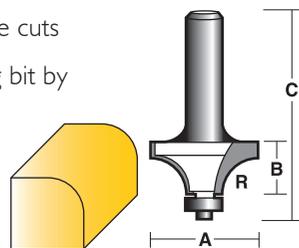
#### CARBIDE TIPPED

CART 506	9/16	14.2	1/2	12.7	1-3/4	44.4	3/16	4.8
CART 508	11/16	17.5	9/16	14.3	1-7/8	47	1/4	6.35
CART 510	13/16	20.6	9/16	14.3	1-7/8	47	5/16	7.9
CART 512	15/16	23.8	5/8	15.9	2	50.8	3/8	9.5
CART 516	1-3/16	30.1	13/16	20.6	2-1/4	57.1	1/2	12.7

Gives extra smooth chatter free cuts due to precise tool geometry. Can be converted to a beading bit by using bearing TB 9.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CART 502 B	5/8	15.9	5/16	7.9	1-7/8	47	1/16	1.6
CART 502 MB	21/32	16.7	11/32	8.7	1 7/8	47	5/64	2
CART 504 B	3/4	19	1/2	12.7	2	50.8	1/8	3.2
CART 504 MB	13/16	20.6	7/16	11.1	2	50.8	-	4
CART 506 B	7/8	22.2	15/32	12	2	50.8	3/16	4.8
CART 506 B 1/2	7/8	22.2	15/32	12	2-1/2	63.5	3/16	4.8
CART 505 MB	7/8	22.5	15/32	12	2	50.8	-	5
CART 506 MB	31/32	24.7	33/64	13	2-3/16	55.5	15/64	6
CART 508 B	1	25.4	1/2	12.7	2	50.8	1/4	6.35
CART 508 B 1/2	1	25.4	1/2	12.7	2-1/2	63.5	1/4	6.35
CART 510 B	1-1/8	28.6	1/2	12.7	2	50.8	5/16	7.9
CART 510 B 1/2	1-1/8	28.6	1/2	12.7	2-5/8	67	5/16	7.9
CART 512 B	1-1/4	31.8	5/8	15.9	2-1/4	57.1	3/8	9.5
CART 512 B 1/2	1-1/4	31.8	5/8	15.9	2-5/8	67	3/8	9.5
CART 510 MB 1/2	1-9/32	32.7	21/32	16.5	2-53/64	72	25/64	10
CART 512 MB 1/2	1-7/16	36.7	45/64	18	2-57/64	73.5	15/32	12
CART 516 B	1-1/2	38.1	3/4	19	2-1/4	57.1	1/2	12.7
CART 516 B 1/2	1-1/2	38.1	3/4	19	2-3/4	70	1/2	12.7
CART 520 B 1/2	1-3/4	44.5	7/8	22.2	3-1/4	82	5/8	15.9
CART 524 B 1/2	2	50.8	1	25.4	3-1/4	82	3/4	19
CART 528 B 1/2	2-1/4	57.1	1-5/64	27.4	3-1/2	89	7/8	22.2
CART 532 B 1/2	2-1/2	63.5	1-1/4	31.8	3-5/8	92	1	25.4
CART 540 B 1/2	3	76.2	1-15/32	37.3	3-3/4	95	1-1/4	31.8

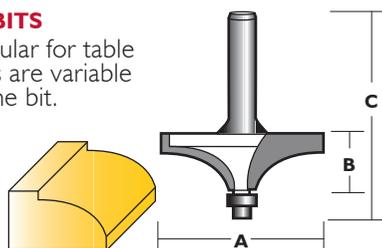
Replacement Ball Bearing TB11

## ROUND OVER FILLET BITS

These bits are very popular for table and bench tops. Profiles are variable by raising or lowering the bit.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

12.7 mm (1/2") SHANK



PART No.	A		B		C		BEARING No.
	in.	mm	in.	mm	in.	mm	
CARTEB 01 B 1/2	2-1/4	57.1	15/16	23.8	3-1/4	82	TB11
CARTEB 02 B 1/2	2-1/4	57.1	15/16	23.8	3-1/4	82	TB9
CARTEB 03 B 1/2	2.80	71.1	15/16	23.8	3-1/4	82	TB11
CARTEB 04 B 1/2	2.80	71.1	15/16	23.8	3-1/4	82	TB9

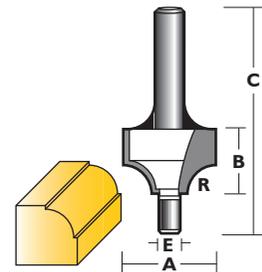
## BEADING BITS

A decorative edge bit with pilot for early American furniture making.

E = 4.8mm (3/16")

TWO FLUTE - WITH PILOT

6.35 mm (1/4") SHANK



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm

#### HIGH SPEED STEEL

CARH 604	3/4	19	3/8	9.5	1-7/8	47	1/8	3.2
CARH 608	3/4	19	1/2	12.7	1-7/8	47	1/4	6.35
CARH 612	1	25	5/8	15.9	2	50.8	3/8	9.5

#### CARBIDE TIPPED

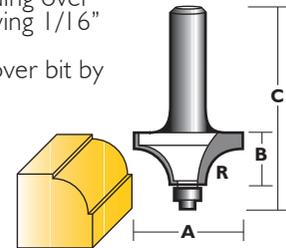
CART 604	9/16	14.3	1/2	12.7	1-5/8	41	1/8	3.2
CART 608	13/16	20.6	9/16	14.2	1-5/8	41	1/4	6.35
CART 612	1-1/16	27	5/8	15.9	2	50.8	3/8	9.5

This bit is the same as the rounding over bit but has a smaller bearing leaving 1/16" edge bead.

Can be converted to rounding over bit by using bearing TB11.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CART 602 B	5/8	15.9	5/16	7.9	1-7/8	47	1/16	1.6
CART 602 MB	21/32	16.7	11/32	8.7	1-7/8	47	5/64	2
CART 604 B	3/4	19	1/2	12.7	2	50.8	1/8	3.2
CART 604 MB	13/16	20.6	7/16	11.1	2	50.8	-	4
CART 606 B	7/8	22.2	15/32	12	2	50.8	3/16	4.8
CART 606 B 1/2	7/8	22.2	15/32	12	2-1/2	63.5	3/16	4.8
CART 605 MB	7/8	22.5	15/32	12	2	50.8	-	5
CART 606 MB	31/32	24.7	33/64	13	2-3/32	53.2	15/64	6
CART 608 B	1	25.4	1/2	12.7	2	50.8	1/4	6.35
CART 608 B 1/2	1	25.4	1/2	12.7	2-1/2	63.5	1/4	6.35
CART 610 B	1-1/8	28.6	1/2	12.7	2	50.8	5/16	7.9
CART 610 B 1/2	1-1/8	28.6	1/2	12.7	2-5/8	67	5/16	7.9
CART 612 B	1-1/4	31.8	5/8	15.9	2-1/4	57.1	3/8	9.5
CART 612 B 1/2	1-1/4	31.8	5/8	15.9	2-5/8	67	3/8	9.5
CART 610 MB 1/2	1-9/32	32.7	21/32	16.5	2-3/4	69.7	25/64	10
CART 612 MB 1/2	1-7/16	36.7	45/64	18	2-51/64	71.2	15/32	12
CART 616 B	1-1/2	38.1	3/4	19	2-1/4	57.1	1/2	12.7
CART 616 B 1/2	1-1/2	38.1	3/4	19	2-3/4	70	1/2	12.7
CART 620 B 1/2	1-3/4	44.5	7/8	22.2	3-1/4	82	5/8	15.9
CART 624 B 1/2	2	50.8	1	25.4	3-1/4	82	3/4	19
CART 628 B 1/2	2-1/4	57.1	1-5/64	27.4	3-1/2	89	7/8	22.2
CART 632 B 1/2	2-1/2	63.5	1-1/4	31.8	3-5/8	92	1	25.4
CART 640 B 1/2	3	76.2	1-15/32	37.3	3-3/4	95	1-1/4	31.8

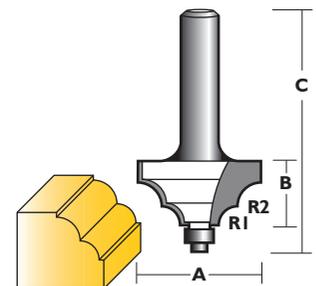
Replacement Ball Bearing TB9

## DOUBLE BEADING BITS

A decorative edge bead.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"



PART No.	A		B		C		R1 RADIUS		R2 RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTB 606 B	1-3/8	35	11/16	17.4	2-1/4	57.1	3/16	4.8	1/4	6.35
CARTB 606 B 1/2	1-3/8	35	11/16	17.4	2-3/4	70	3/16	4.8	1/4	6.35
CARTB 608 B 1/2	1-5/8	41	7/8	22.2	3-1/8	79	1/4	6.35	5/16	7.9

Replacement Ball Bearing TB9.

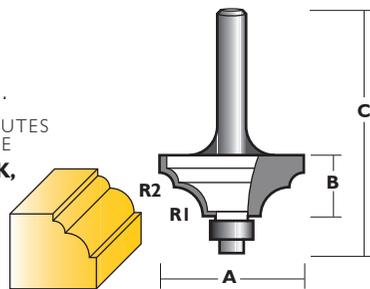
## Edge Forming Bits

### DOUBLE BEADING BITS

A decorative edge bead.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"



PART No.	A		B		C		R1 RADIUS		R2 RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTBR 608 B	1-1/4	31.8	17/32	13.3	2	50.8	1/4	6.4	1/8	3.2
CARTBR 608 B 1/2	1-1/4	31.8	17/32	13.3	2-1/2	63.5	1/4	6.4	1/8	3.2
CARTBR 616 B 1/2	2	50.8	29/32	22.9	3-1/8	79.4	1/2	12.7	1/4	6.35

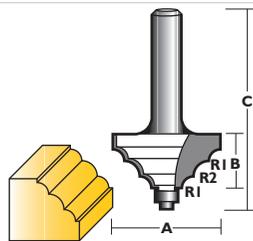
Replacement Ball Bearing TB9.

### TRIPLE BEADING BITS

A decorative edge bead.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

12.7 mm (1/2") SHANK



Replacement Ball Bearing TB9.

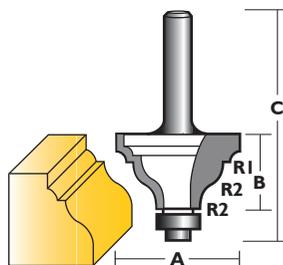
PART No.	A		B		C		R1 RADIUS		R2 RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTT 606 B 1/2	1-3/4	44.4	7/8	22.2	3-1/4	82	3/16	4.8	1/4	6.35
CARTT 608 B 1/2	2-1/8	54	1-1/16	27	3-1/4	82	1/4	6.35	5/16	7.9

### BEADING OGEE BITS

Produces a decorative edge moulding.

CARBIDE TIPPED - TWO FLUTE WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"



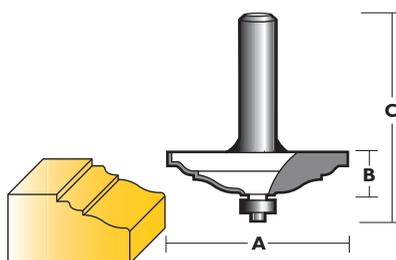
PART No.	A		B		C		R1 RADIUS		R2 RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTBO 30 B	1-1/8	28.6	21/32	16.5	2-1/4	57.1	7/64	2.75	1/4	6.35
CARTBO 30 B 1/2	1-1/8	28.6	21/32	16.5	2-5/8	67	7/64	2.75	1/4	6.35
CARTBO 35 B	1-3/8	35	7/8	22.2	2-1/2	63.5	-	3.15	5/16	8
CARTBO 35 B 1/2	1-3/8	35	7/8	22.2	3	76	-	3.15	5/16	8
CARTBO 50 B 1/2	1-7/8	47	1-5/16	33	3-3/8	86	3/16	4.75	1/2	12.7

Replacement Ball Bearing TB11.

### EDGE & DRAW FACE BIT

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

12.7mm (1/2") SHANK



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTEF 01 B 1/2	2.6	66	45/64	18	3	76

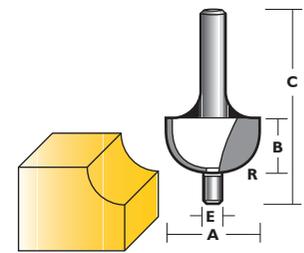
Replacement Ball Bearing TB11.

### COVE BITS

Used for a drop leaf table joints and decorative edges.

E = 4.8mm (3/16") TWO FLUTE - WITH PILOT

6.35 mm (1/4") SHANK



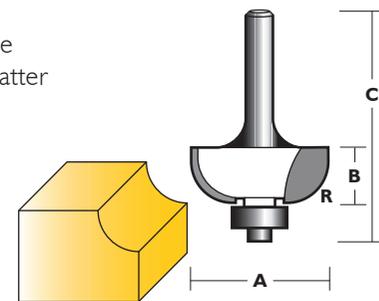
PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
HIGH SPEED STEEL								
CARH 708	1 1/16	17.4	1/2	12.7	1-7/8	47	1/4	6.35
CARH 712	1	25	3/4	19	2	50.8	3/8	9.5
CARH 716	1-1/4	32	13/16	20.6	2	50.8	1/2	12.7

PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARBIDE TIPPED								
CART 706	9/16	14.2	3/8	9.5	1-5/8	41	3/16	4.8
CART 708	11/16	17.5	9/16	14.2	1-7/8	47	1/4	6.35
CART 712	15/16	24	5/8	15.9	2	50.8	3/8	9.5
CART 716	1-3/16	30	13/16	20.6	2	50.8	1/2	12.7

Up, sheer cutting angle clears chips fast for chatter free accurate routing.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CART 702 B	5/8	15.9	5/16	7.9	2-3/32	53	1/16	1.6
CART 704 B	3/4	19	1/2	12.7	2-3/32	53	1/8	3.2
CART 706 B	7/8	22.2	1/2	12.7	2-3/32	53	3/16	4.8
CART 708 B	1	25.4	1/2	12.7	2-3/32	53	1/4	6.35
CART 708 B 1/2	1	25.4	1/2	12.7	2-1/2	63.5	1/4	6.35
CART 710 B	1-1/8	28.6	1/2	12.7	2	50.8	5/16	7.9
CART 710 B 1/2	1-1/8	28.6	1/2	12.7	2-5/8	67	5/16	7.9
CART 712 B	1-1/4	31.8	1/2	12.7	2-3/32	53	3/8	9.5
CART 712 B 1/2	1-1/4	31.8	1/2	12.7	2-5/8	67	3/8	9.5
CART 716 B	1-1/2	38.1	5/8	15.9	2-1/4	57.1	1/2	12.7
CART 716 B 1/2	1-1/2	38.1	5/8	15.9	2-3/4	70	1/2	12.7
CART 720 B 1/2	1-3/4	44.5	7/8	22.2	3	76	5/8	15.9
CART 724 B 1/2	2	50.8	7/8	22.2	3-1/4	82	3/4	19

Replacement Ball Bearing TB11

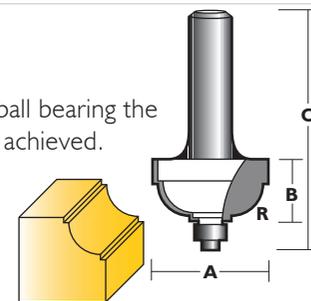
### CLASSICAL COVE BITS

A decorative edge moulding.

By fitting the optional TB11 ball bearing the standard cove design can be achieved.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTC 708 B	1-1/8	28.6	.530	13.5	2-1/4	57.1	1/4	6.35
CARTC 708 B 1/2	1-1/8	28.6	.530	13.5	2-1/2	63.5	1/4	6.35
CARTC 712 B	1-3/8	35	.670	17	2-1/4	57.1	3/8	9.5
CARTC 712 B 1/2	1-3/8	35	.670	17	2-3/4	70	3/8	9.5
CARTC 716 B 1/2	1-5/8	41	-	22	3-9/32	83.2	1/2	12.7

Replacement Ball Bearing TB9

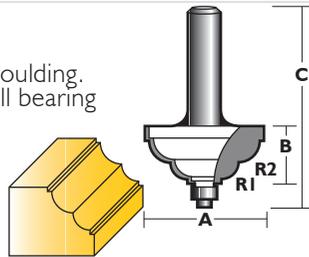
## Edge Forming Bits

### DOUBLE COVE BITS

Produces a decorative edge moulding. By fitting the optional TB11 ball bearing a cove effect can be achieved.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

**SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"**



PART No.	A		B		C		R1 RADIUS		R2 RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTDC706B	1-1/2	38.1	3/4	19	2-1/4	57.1	3/16	4.8	1/4	6.35
CARTDC706B 1/2	1-1/2	38.1	3/4	19	2-3/4	70	3/16	4.8	1/4	6.35
CARTDC708B 1/2	1-3/4	44.4	7/8	22.2	3	76	1/4	6.35	5/16	7.9

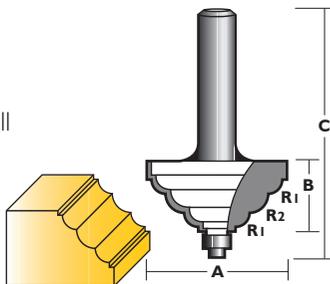
Replacement Ball Bearing TB9

### TRIPLE COVE BITS

Produces a decorative edge moulding or any combination of the three radii can be used. By fitting the optional TB11 ball bearing a different profile can be achieved.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

**12.7mm (1/2") SHANK**



PART No.	A		B		C		R1 RADIUS		R2 RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTTC706B 1/2	1-7/8	47	1	25.4	3-1/4	82	3/16	4.8	1/4	6.35
CARTTC708B 1/2	2-1/4	57.1	1-1/8	28.6	3-3/8	86	1/4	6.35	5/16	7.9

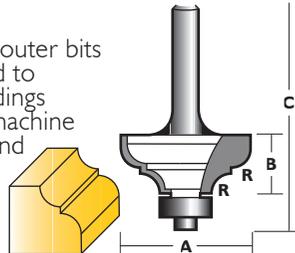
Replacement Ball Bearing TB9

### PROVINCIAL BITS

Like so many of Carb-I-Tool's router bits this bit can be used as illustrated to produce decorative edge mouldings or by using the guide on your machine many combinations of rounds and covers can be achieved.

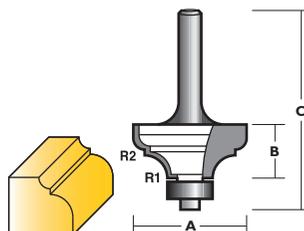
CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

**SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"**



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTCR8B	1	25.4	0.460	11.7	2	50.8	1/8	3.2
CARTCR8B 1/2	1	25.4	0.460	11.7	2-5/8	67	1/8	3.2
CARTCR12B	1-1/4	31.8	.560	14.2	2-1/4	57.1	3/16	4.8
CARTCR12B 1/2	1-1/4	31.8	.560	14.2	2-5/8	67	3/16	4.8
CARTCR16B 1/2	1-1/2	38.1	0.710	18	2-3/4	70	1/4	6.35

Replacement Ball Bearing TB11.



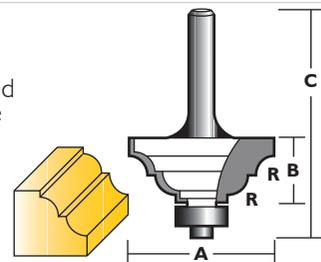
PART No.	A		B		C		R1 RADIUS		R2 RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTCRA16B	1 1/4	31.8	19/32	15.0	2-1/4	57.2	1/4	6.4	1/8	3.2
CARTCRA16B 1/2	1 1/4	31.8	19/32	15.0	2-5/8	66.7	1/4	6.4	1/8	3.2
CARTCRA32B 1/2	2	50.8	15/16	23.8	3-1/4	82.6	1/2	12.7	1/4	6.35

### CLASSICAL BITS

This versatile bit produces a very decorative bit moulding used extensively on many furniture and building applications.

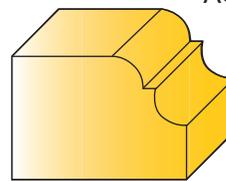
CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

**SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"**

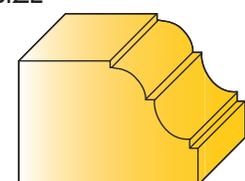


PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTC8B	1-1/8	28.6	1/2	12.7	2	50.8	1/8	3.2
CARTC8B 1/2	1-1/8	28.6	1/2	12.7	2-1/2	63.5	1/8	3.2

#### ACTUAL SIZE



PART No. TC 12 B 1/2  
TB11 BEARING FITTED

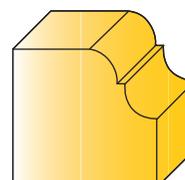


TB9 BEARING FITTED

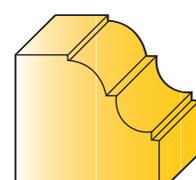
**SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"**

PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTC12B	1-3/8	35	5/8	15.9	2-1/4	57.1	3/16	4.8
CARTC12B 1/2	1-3/8	35	5/8	15.9	2-3/4	70	3/16	4.8

#### ACTUAL SIZE



PART No. TC 16 B 1/2  
TB11 BEARING FITTED



TB9 BEARING FITTED

**12.7 mm (1/2") SHANK**

PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTC16B 1/2	15/8	41	-	22	3-9/32	83.2	1/4	6.35

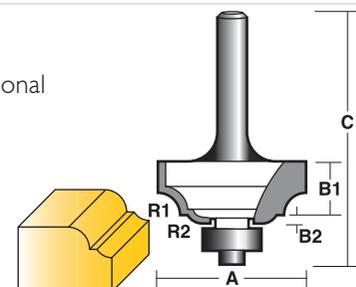
Replacement Ball Bearing TB11.

### TRADITIONAL CLASSICAL BITS

This bit produces a traditional style furniture moulding.

CARBIDE TIPPED - TWO FLUTE WITH BALL BEARING GUIDE

**SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"**



PART No.	A		B1		B2		C		Radius mm	
	in.	mm	in.	mm	in.	mm	in.	mm	R1	R2
CARTTC8B	1	25.4	7/16	11.1	5/64	2	2-1/8	54	3.2	2
CARTTC8B 1/2	1	25.4	7/16	11.1	5/64	2	2-1/2	63.5	3.2	2
CARTTC12B	1-1/4	31.8	7/16	11.1	5/64	2	2-1/8	54	4.8	3.5
CARTTC12B 1/2	1-1/4	31.8	7/16	11.1	5/64	2	2-9/16	65	4.8	3.5
CARTTC16B	1-1/2	38.1	9/16	14.3	1/8	3.2	2-1/4	57.1	6.35	6.35
CARTTC16B 1/2	1-1/2	38.1	9/16	14.3	1/8	3.2	2-3/4	70	6.35	6.35

Replacement Ball Bearing TB11.

## Edge Forming Bits

### CHAMFERING BITS

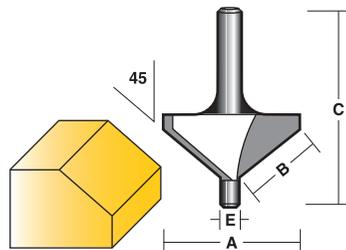
Helpful in making almost invisible joints.

E = 4.8mm (3/16")  
TWO FLUTES - WITH PILOT

**6.35 mm (1/4")**

**SHANK**

45° CHAMFER



PART No.	A		B		C			
	in.	mm	in.	mm	in.	mm	in.	mm
<b>HIGH SPEED STEEL</b>								
CARH 916	1	25.4	5/8	15.9	1-7/8	47		
<b>CARBIDE TIPPED</b>								
CART 916	1-3/16	30.2	45/64	18.0	1.94	49.5		

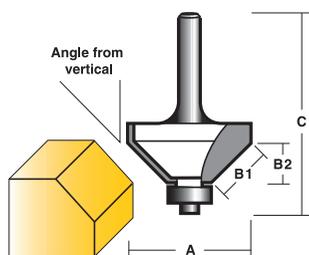
A popular method of removing sharp corners for a professional finish.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

**SUFFIX 1/2 = 1/2"**

**SHANK,**

**OTHERWISE 1/4"**

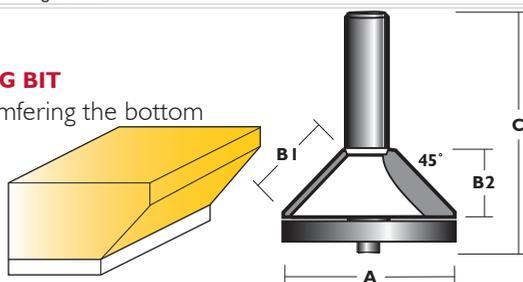


PART No.	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
<b>5° CHAMFER FROM VERTICAL</b>								
CART 8105 B 1/2	47/64	18.5	1 27/64	36.1	-	36	3 5/8	92.1
<b>10° CHAMFER FROM VERTICAL</b>								
CART 8110 B 1/2	63/64	24.9	1 7/16	36.5	-	36	3 5/8	92.1
<b>22.5° CHAMFER FROM VERTICAL</b>								
CART 8122 B	1	25.4	21/32	16.5	39/64	15.5	2-1/4	57.1
CART 8122 B 1/2	1	25.4	21/32	16.5	39/64	15.5	2-3/4	70
CARTX 8122 B 1/2	1.42	36	1-1/4	32		28.4	3-1/4	82
<b>30° CHAMFER FROM VERTICAL</b>								
CART 8130 B	1-1/8	28.6	43/64	17	35/64	13.9	2-1/4	57.1
CART 8130 B 1/2	1-1/8	28.6	43/64	17	35/64	13.9	2-3/4	70
<b>45° CHAMFER FROM VERTICAL</b>								
CART 916 B	1-3/8	35	5/8	15.9	29/64	11.4	2-1/4	57.1
CART 916 B 1/2	1-3/8	35	5/8	15.9	29/64	11.4	2-3/4	70
CART 920 B 1/2	1-7/8	47.6	1	25.4	11/16	17.5	2-3/4	70
CART 924 B 1/2	2-1/4	57.1	1-1/4	31.8		22.5	3-1/4	82
<b>65° CHAMFER FROM VERTICAL</b>								
CART 8165 B	1.58	40	5/8	15.9	1/4	6.35	2-3/32	53
CART 8165 B 1/2	1.58	40	5/8	15.9	1/4	6.35	2-1/2	63.5
CARTX 8165 B 1/2	2.95	75	1-3/8	35		14.5	2-3/4	70
<b>80° CHAMFER FROM VERTICAL</b>								
CART 8180 B	1.58	40	9/16	14.3	3/32	2.4	2-1/4	50.8
CART 8180 B 1/2	1.58	40	9/16	14.3	3/32	2.4	2-1/2	63.5
CARTX 8180 B 1/2	2.95	75	1-1/4	32	7/32	5.5	2-9/16	65

Replacement Ball Bearing TBI 1.

### INVERTED CHAMFERING BIT

Used for chamfering the bottom of boards.



CARBIDE TIPPED - TWO FLUTES

PART No.	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTI 916 B 1/2	1 3/4	44.5	-	22.5	5/8	15.9	3	76.3

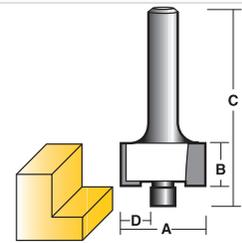
Replacement Ball Bearing TBS9.

### REBATING BITS

Pilot equipped bits do not require a guide when making rebating cuts.

E = 4.8mm (3/16")  
TWO FLUTES - WITH PILOT

**6.35 mm (1/4") SHANK**



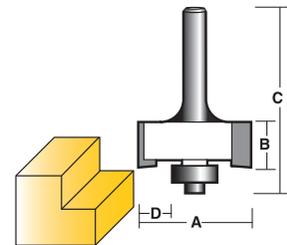
PART No.	A		B		C		D Depth	
	in.	mm	in.	mm	in.	mm	in.	mm
<b>HIGH SPEED STEEL</b>								
CARH 1708	11/16	17.5	7/16	11.1	1-7/8	47	1/4	6.35
CARH 1712	15/16	23.8	1/2	12.7	2	50.8	3/8	9.5
<b>CARBIDE TIPPED</b>								
CART 1708	11/16	17.5	7/16	11.1	2	50.8	1/4	6.35
CART 1712	15/16	23.8	1/2	12.7	2	50.8	3/8	9.5

Has ball bearing guide for mar-free finish. Replacement bearing TB-11. By substituting TB-9 bearing the depth of rebate will be increased by 1/16" (1.6mm.)

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

**SUFFIX 1/2 = 1/2" SHANK,**

**OTHERWISE 1/4"**

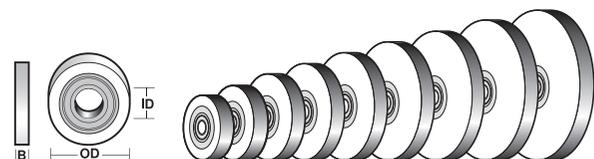


PART No.	A		B		C		D Depth	
	in.	mm	in.	mm	in.	mm	in.	mm
CART 1708 B	1	25.4	1/2	12.7	2	50.8	1/4	6.35
CART 1708 B 1/2	1	25.4	1/2	12.7	2-1/2	63	1/4	6.35
CART 1712 B	1-1/4	31.7	1/2	12.7	2-1/4	57	3/8	9.5
CART 1712 B 1/2	1-1/4	31.7	1/2	12.7	2-1/2	63	3/8	9.5
CARTX 1712 B 1/2	1-1/4	31.7	1	25.4	3	76.2	3/8	9.5
CART 1716 B 1/2	1-1/2	38.1	1/2	12.7	2-9/16	65	1/2	12.7
CART 1720 B 1/2	1-3/4	44.5	1/2	12.7	2-9/16	65	5/8	15.9

### SHIELDED BEARINGS

These bearings can be fitted to the Rebating Bits to give a range of cut depths.

PART No.	OD		ID		B	
	in.	mm	in.	mm	in.	mm
CARTBS 1	3/4	19.0	3/16	4.8	3/16	4.8
CARTBS 2	7/8	22.2	3/16	4.8	3/16	4.8
CARTBS 3	1	25.4	3/16	4.8	3/16	4.8
CARTBS 4	1 1/8	28.6	3/16	4.8	3/16	4.8
CARTBS 5	1 1/4	31.8	3/16	4.8	3/16	4.8
CARTBS 6	1 3/8	34.9	3/16	4.8	3/16	4.8
CARTBS 7	1 1/2	38.1	3/16	4.8	3/16	4.8
CARTBS 8	1 5/8	41.3	3/16	4.8	3/16	4.8
CARTBS 9	1 3/4	44.5	3/16	4.8	3/16	4.8

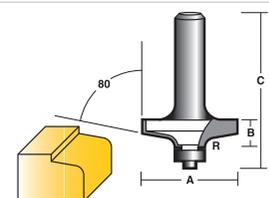


### CHAMFERING BIT WITH RADIUS

TWO FLUTES - CARBIDE TIPPED

**12.7 mm (1/2")**

**SHANK**



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTRR 10B 1/2	1.57	40	.458	11.6	2-1/2	63.5	.156	3.9
CARTRR 16 B 1/2	2.4	60.9	.530	13.5	2-9/16	65	.156	3.9

Replacement Ball Bearing TBI 1.

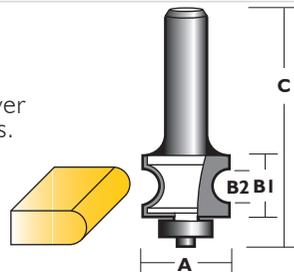
## Edge Forming Bits

### BULL NOSE RADIUS BITS

A time saving bit for rounding over both sides of a board in one pass.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"



WITH BEARING

PART No.	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTBN 2 B	25/32	19.8	1/2	12.7	5/32	4	2	50.8
CARTBN 2 B 1/2	25/32	19.8	1/2	12.7	5/32	4	2-1/2	63.5
CARTBN 4.5 MB 1/2	51/64	20.4	1/2	12.7	11/64	4.5	2-1/2	63.5
CARTBN 5 MB 1/2	53/64	20.9	1/2	12.7	13/64	5	2-1/2	63.5
CARTBN 3 B	27/32	21.4	1/2	12.7	7/32	5.5	2	50.8
CARTBN 3 B 1/2	27/32	21.4	1/2	12.7	7/32	5.5	2-1/2	63.5
CARTBN 4 B	29/32	23	3/4	19	9/32	7.1	2-3/8	60
CARTBN 4 B 1/2	29/32	23	3/4	19	9/32	7.1	2-3/4	70
CARTBN 6 B	1-1/32	26.2	3/4	19	13/32	10.3	2-3/8	60
CARTBN 6 B 1/2	1-1/32	26.2	3/4	19	13/32	10.3	2-3/4	70
CARTBN 8 B 1/2	1-5/32	29.4	1	25.4	17/32	13.5	3	76
CARTBN 10 B 1/2	1-9/32	32.6	1-3/32	27.8	21/32	16.7	3-1/4	82
CARTBN 12 B 1/2	1-13/32	35.8	1-1/4	31.8	25/32	19.8	3-1/4	82
CARTBN 15 B 1/2	1-21/32	42	1-1/2	38.1	1-1/32	26.2	3-5/8	92
CARTBN 32 MB 1/2	1-57/64	48	1-39/64	40.6	1-17/64	32	3-7/8	98.4

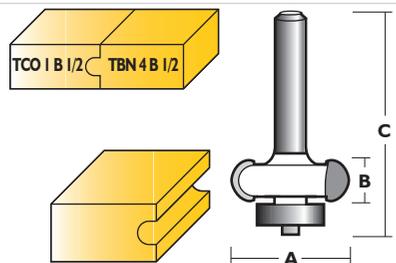
Replacement Ball Bearing TB8.

WITHOUT BEARING

CARTBN 4 1/2	29/32	23	3/4	19	9/32	7.1	2 33/64	64
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### CANOE SLAT BITS

Use TBN 4 B or TBN 4 B 1/2 (see above) for matching cutter.



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTCO 1 B	57/64	22.6	9/32	7.1	1 3/4	44.5
CARTCO 1 B 1/2	57/64	22.6	9/32	7.1	2 3/8	60.3

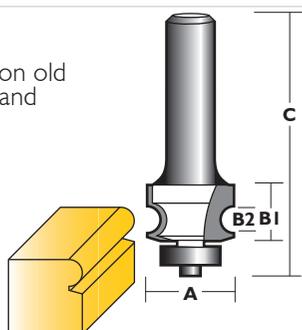
Replacement Ball Bearing TB11.

### DRAWING LINE BITS

A popular mould. Common on old style double hung windows, and architraves.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

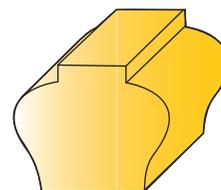
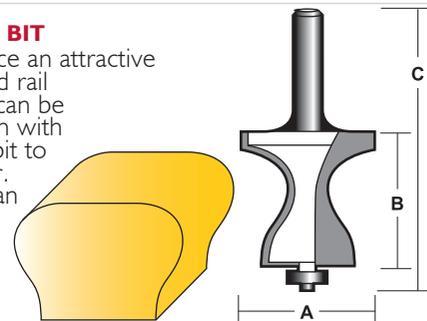


PART No.	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTDL 3 B	.850	21.6	7/16	11.1	7/32	5.5	2	50.8
CARTDL 3 B 1/2	.850	21.6	7/16	11.1	7/32	5.5	2-1/2	63.5
CARTDL 4 B	.910	23.1	19/32	15	9/32	7.1	2-3/32	53
CARTDL 4 B 1/2	.910	23.1	19/32	15	9/32	7.1	2-3/4	70
CARTDL 6 B	1.035	26.3	11/16	17.5	13/32	10.3	2-1/4	57.1
CARTDL 6 B 1/2	1.035	26.3	11/16	17.5	13/32	10.3	2-3/4	70

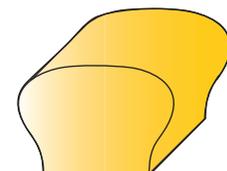
Replacement Ball Bearing TB8.

### STAIR HANDRAIL BIT

This bit will produce an attractive and functional hand rail for balustrades. It can be used in conjunction with the half bull nose bit to curve the top over. This will produce an optional profile.



OPTIONAL PROFILE



OPTIONAL PROFILE

Use THBN 75 B 1/2 for curved top

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

12.7 mm (1/2") SHANK

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTHR 50 B 1/2	2	50.8	2-1/4	57.1	4.5	116

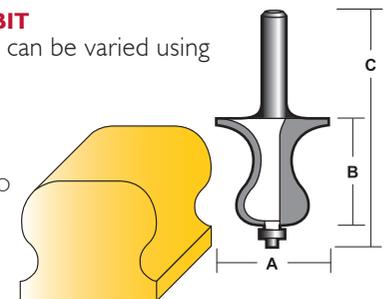
Replacement Ball Bearing TB8.

### STAIR HANDRAIL BIT

Profile on top of rail can be varied using a half bull nose bit (See diagrams on THR 50 B-1/2).

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

12.7 mm (1/2") SHANK



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTHR 40 B 1/2	2-5/16	58.7		38.7	3-13/16	96.8
CARTHR 60 B 1/2	2-1/8	54	2	50.8	4.3	110

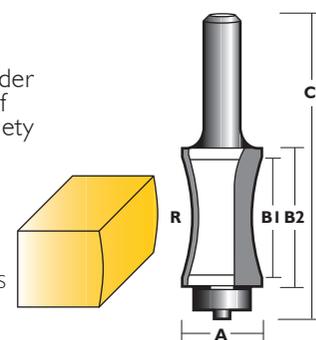
Replacement Ball Bearing TB8.

### HALF BULL NOSE RADIUS BITS

A handy bit for finishing wider timbers. The adjustment of machine height gives a variety of different forms.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

12.7 mm (1/2") SHANK



PART No.	A		B1		B2		C		R
	in.	mm	in.	mm	in.	mm	in.	mm	mm
CARTHBN 45 B 1/2	1	25.4	1.18	30	1.41	36	3-5/8	92	45
CARTHBN 60 B 1/2	1-1/16	27	-	42.3	1-13/16	46	4-3/32	104	60
CARTHBN 75 B 1/2	1-1/8	28.6	2	50.8	2-1/4	57.1	4-3/8	111.5	75

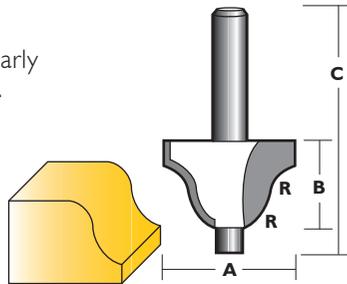
Replacement Ball Bearing TB16.

## Edge Forming Bits

### ROMAN OGEE BITS

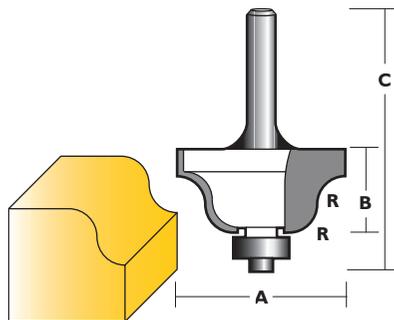
A decorative edge bit for early American furniture making.

TWO FLUTE - WITH PILOT  
6.35 mm (1/4")  
SHANK



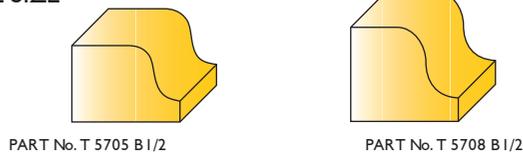
PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
HIGH SPEED STEEL								
CARH 5705	3/4	19	1/2	12.7	1-7/8	47	5/32	4
CARH 5708	1-1/4	31.8	3/4	19	2	50.8	1/4	6.35
CARBIDE TIPPED								
CART 5705	3/4	19	1/2	12.7	1-7/8	47	5/32	4
CART 5708	1-1/4	31.8	3/4	19	2	50.8	1/4	6.35

CARBIDE TIPPED - TWO FLUTES  
WITH BALL BEARING GUIDE  
SUFFIX 1/2 = 1/2" SHANK,  
OTHERWISE 1/4"



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CART 5705 B	1-1/8	28.6	1/2	12.7	2	50.8	5/32	4
CART 5705 B 1/2	1-1/8	28.6	1/2	12.7	2-5/8	67	5/32	4

ACTUAL SIZE



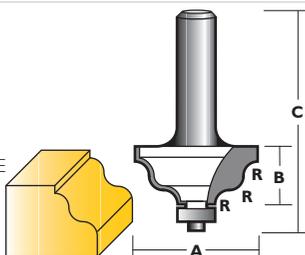
SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CART 5708 B	1-1/2	38.1	3/4	19	2-3/8	60	1/4	6.35
CART 5708 B 1/2	1-1/2	38.1	3/4	19	2-3/4	70	1/4	6.35
CART 5712 B 1/2	2	50.8	1	25.4	3-3/8	86	3/8	9.5

Replacement Ball Bearing TB11

### DOUBLE OGEE BITS

CARBIDE TIPPED - TWO FLUTE  
WITH BALL BEARING GUIDE  
SUFFIX 1/2 = 1/2" SHANK,  
OTHERWISE 1/4"

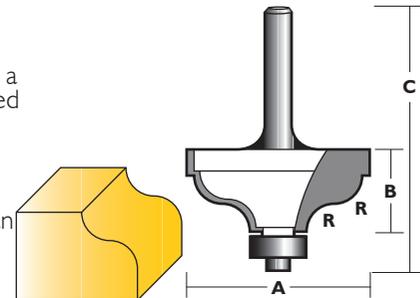


PART No.	A		B		C		R R ADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTDO 8 B	1-1/4	31.8	.575	14.6	2-3/16	55	1/8	3.2
CARTDO 8 B 1/2	1-1/4	31.8	.575	14.6	2-5/8	67	1/8	3.2
CARTDO 12 B 1/2	1-5/8	41	.763	19.4	2-3/4	70	3/16	4.8
CARTDO 16 B 1/2	2	50.8	.950	24.1	3	76	1/4	6.35

Replacement Ball Bearing TB11

### OGEE BITS

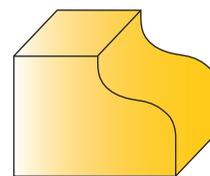
These bits produce a decorative form used widely on table and mantle edges. By fitting the optional TB9 ball bearing a 1/16" edge bead can be produced as illustrated.



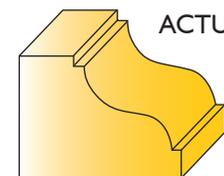
CARBIDE TIPPED - TWO FLUTES  
WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CART 7506 B	1-3/8	34.9	0.650	16.5	2-5/16	58.7	3/16	4.8
CART 7506 B 1/2	1-3/8	34.9	0.650	16.5	2-25/32	70.7	3/16	4.8



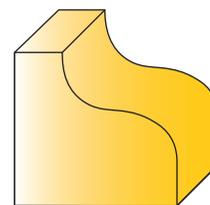
PART No. T7508 B 1/2  
TB11 BEARING FITTED



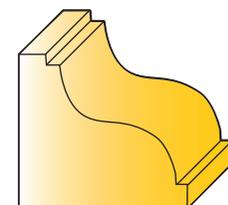
TB9 BEARING FITTED

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CART 7508 B	1-5/8	41	3/4	19	2-1/4	57.1	1/4	6.35
CART 7508 B 1/2	1-5/8	41	3/4	19	2-3/4	70	1/4	6.35



PART No. T7512 B 1/2  
TB11 BEARING FITTED



TB9 BEARING FITTED

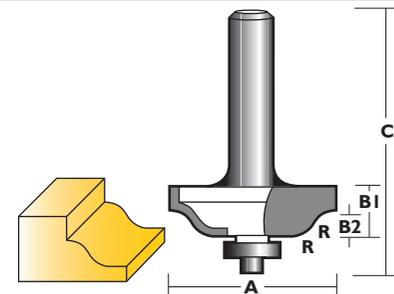
12.7 mm (1/2") SHANK

PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CART 7512 B 1/2	2-1/8	54	1	25.4	3-3/8	86	3/8	9.5

Replacement Ball Bearing TB11

### SHALLOW ROMAN OGEE BITS

This bit will produce a decorative edge moulding.



CARBIDE TIPPED - TWO FLUTES  
WITH BALL BEARING GUIDE

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

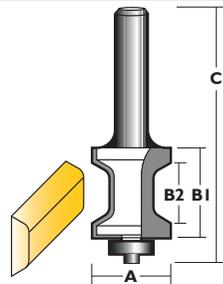
PART No.	A		B1		B2		C		R R ADIUS
	in.	mm	in.	mm	in.	mm	in.	mm	
CARTS 5705 B	1-1/4	32	3/8	9.5	5/32	4	2	50.8	4
CARTS 5705 B 1/2	1-1/4	32	3/8	9.5	5/32	4	2-3/8	60	4
CARTS 5708 B 1/2	1-5/8	41	7/16	11.1	1/4	6.35	2-1/2	63.5	6.3
CARTS 5712 B 1/2	2	50.8	9/16	14.3	3/8	9.5	2-5/8	67	9.5

Replacement Ball Bearing TB11

## Edge Forming Bits

### BATTEN MOULD BIT

A bit to enable production of batten moulding for the fixing of cement sheeting and other types of wall panelling.



CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

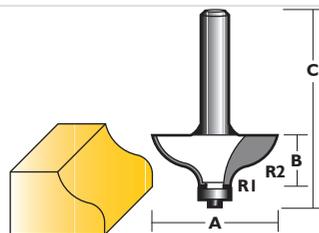
**12.7 mm (1/2") SHANK**

PART No.	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTBM33 B 1/2	1-1/8	28.6	1.3	33	7/8	22.2	3-5/8	92

Replacement Ball Bearing TB8.

### TABLE EDGE BIT

A popular bit for finishing table edges.



CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

**12.7 mm (1/2") SHANK**

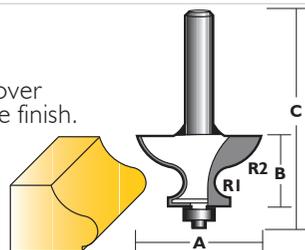
**SHANK**

PART No.	A		B		C		R1 RADIUS	R2 RADIUS
	in.	mm	in.	mm	in.	mm	mm	mm
CARTEB 14B 1/2	2	50.8	0.720	18.3	3-1/8	79	8	16

Replacement Ball Bearing TB11.

### TABLE EDGE BIT WITH RETURN

This bit has a return to round over bottom of table for an attractive finish.



CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

**12.7 mm (1/2") SHANK**

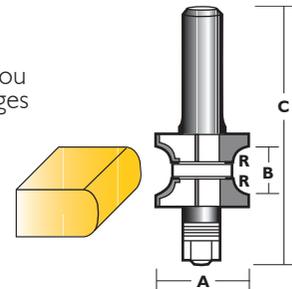
PART No.	A		B		C		R1 RADIUS	R2 RADIUS
	in.	mm	in.	mm	in.	mm	mm	mm
CARTEB 15 B 1/2	2	50.8	5/16	33.5	-	94.7	6.35	16
CARTEB 16 B 1/2	2	50.8	-	36.7	3-27/32	97.6	8	16

Replacement Ball Bearing TB11.

### DOUBLE EDGE

#### RADIUS BIT

This versatile assembly enables you to round the top and bottom edges of timber at the same time. Assembly comes with bearing, spacer and washers, which allow you to cut up to 30mm material.



CARBIDE TIPPED - FOUR FLUTES WITH BALL BEARING GUIDE

**12.7 mm (1/2") SHANK**

PART No.	A	B	C	R RADIUS
	mm	mm	mm	mm
CARTDA 194-3 MB 1/2	28	15-32	97.8	3
CARTDA 194-5 MB 1/2	32	19-36	97.8	5
CARTDA 194-8 MB 1/2	38	25-39	97.8	8

#### CUTTER ONLY

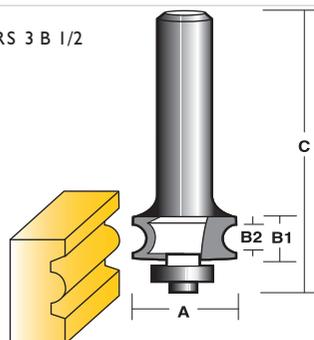
	A			
CART 194-3 M RH	28	Cutter only - Top		3
CART 194-3 M LH	28	Cutter only - Bottom		3
CART 194-5 M RH	32	Cutter only - Top		5
CART 194-5 M LH	32	Cutter only - Bottom		5
CART 194-8 M RH	38	Cutter only - Top		8
CART 194-8 M LH	38	Cutter only - Bottom		8

Wood Thickness	Spaces between cutters
10	nil (no Brg.)
19	Brg. + 2 Washers
22	Brg. + 5 Washers
25	Brg. + Spacer
30	Brg. + Spacer & 5 Washers

Replacement Ball Bearing TB12.  
Replacement Arbor TA20.

## Reed Bits

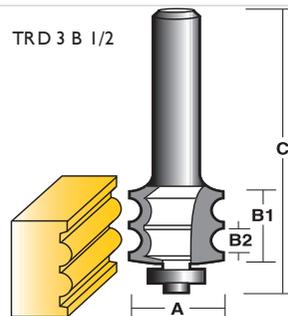
TRS 3 B 1/2



### SINGLE REED BIT

This bit will produce a single bead on the edge of the material.

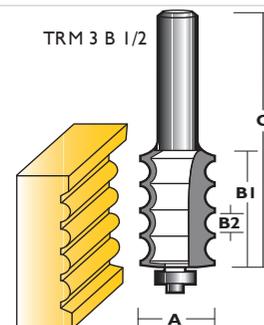
TRD 3 B 1/2



### DOUBLE REED BIT

This bit gives a combination of two beads on the material.

TRM 3 B 1/2



### MULTIPLE REED BIT

This bit gives a combination of four beads on the material.

PART No.	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTRS 3 B 1/2	.885	21.6	.397	10	7/32	5.5	2-1/2	63.5
CARTRD 3 B 1/2	.855	21.6	5/8	15.9	7/32	5.5	2-3/4	70
CARTRM 3 B 1/2	.855	21.6	1.16	29.5	7/32	5.5	3-1/4	82

CARBIDE TIPPED - TWO FLUTE WITH BALL BEARING GUIDE

**12.7 mm (1/2") SHANK**

**SHANK**

Replacement Ball Bearing TB8.

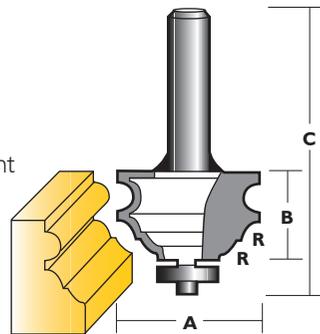
## Edge Forming Bits

### CLASSICAL COMBINATION BITS

This combination bit, developed by Carb-I-Tool, will cut a multitude of different shapes. Any part can be selected, multiple passes will also increase variety of shapes.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

**12.7 mm (1/2") SHANK**



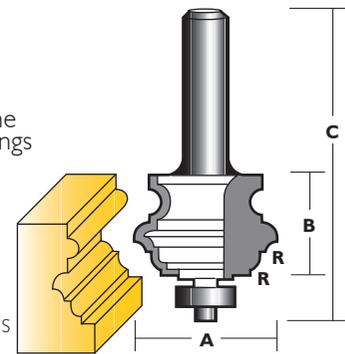
PART No.	A		B		C		R RADIUS		BEARING No.
	in.	mm	in.	mm	in.	mm	in.	mm	
CARTCB 50 B 1/2	1-21/32	42	1-3/16	30	3-5/8	92	3/16	4.8	TB16
CARTCB 60 B 1/2	1-21/32	42	1-3/16	30	3-5/8	92	3/16	4.8	TB14

### MULTI FORM COMBINATION BITS

With this combination bit the number of standard mouldings that can be produced is enormous. With multiple passes and a little imagination any number of beautiful mouldings can be produced.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

**12.7 mm (1/2") SHANK**



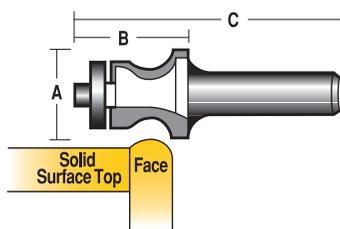
PART No.	A		B		C		R RADIUS		BEARING No.
	in.	mm	in.	mm	in.	mm	in.	mm	
CARTCB 500 B 1/2	1.65	41.9	1-5/16	33.3	3-3/4	95	3/16	4.8	TB16
CARTCB 600 B 1/2	1.65	41.9	1-5/16	33.3	3-5/8	92	3/16	4.8	TB14

## Solid Surface Bits

### COUNTER TOP BIT

NO DRIP DESIGN  
TWO FLUTES - WITH CARBI-SMOOTH BEARING ASSEMBLY & BALL BEARING GUIDE

**12.7 mm (1/2") SHANK**

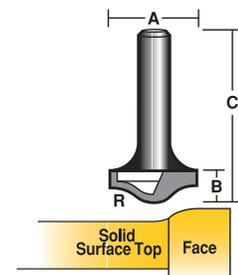


PART No.	A	B	C
CARTSS 1 B 1/2	25.4	22.9	82

Replacement Bearing Assembly TBT21.

### COUNTER TOP BIT

NO DRIP DESIGN - TWO FLUTES  
**SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"**



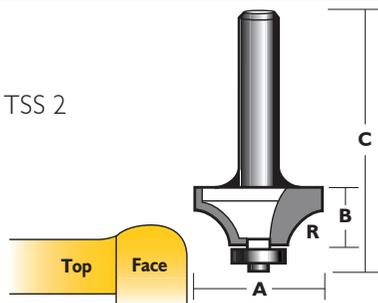
PART No.	A	B	C	R RADIUS
CARTSS 2	19	9.3	41	6.35
CARTSS 2 1/2	19	9.3	54	6.35

### COUNTER TOP BIT

Used in conjunction with TSS 2 and TSS 21/2.

TWO FLUTES - WITH CARBI-SMOOTH BEARING ASSEMBLY & BALL BEARING GUIDE

**SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"**



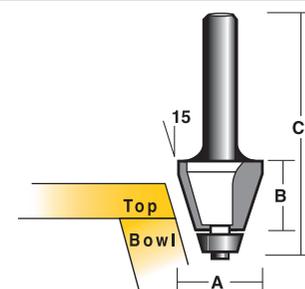
PART No.	A	B	C	R RADIUS
CARTSS 3 B	28.6	13.5	60	6.35
CARTSS 3 B 1/2	28.6	13.5	73	6.35

Replacement Bearing Assembly TBT20.

### BEVEL UNDERMOUNT BOWL BIT

TWO FLUTES - WITH CARBI-SMOOTH BEARING ASSEMBLY & BALL BEARING GUIDE

**12.7 mm (1/2") SHANK**



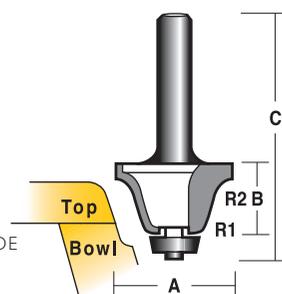
PART No.	A	B	C
CARTSS 4 B 1/2	35	32	88

Replacement Bearing Assembly TBT19.

### ROMAN OEGE UNDERMOUNT BOWL BIT

CARBIDE TIPPED TWO FLUTES - WITH CARBI-SMOOTH BEARING ASSEMBLY & BALL BEARING GUIDE

**12.7 mm (1/2") SHANK**

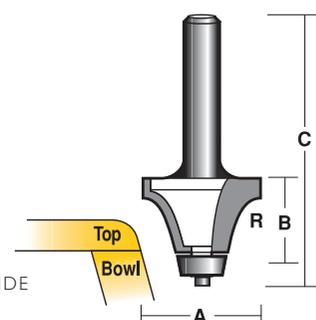


PART No.	A	B	C	R1	R2
CARTSS 5 B 1/2	50.8	25.4	85	5/32	3/8

### ROUNDING OVER UNDERMOUNT BOWL BIT

CARBIDE TIPPED TWO FLUTES - WITH CARBI-SMOOTH BEARING ASSEMBLY & BALL BEARING GUIDE

**12.7 mm (1/2") SHANK**



PART No.	A	B	C	R RADIUS
CARTSS 6 B 1/2	44.5	25.4	85	9.5

Replacement Bearing Assembly TBT19.

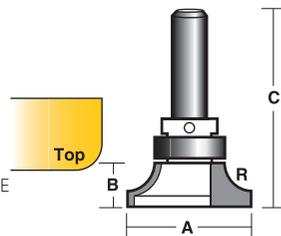
## Edge Forming Bits

### BULLNOSE BIT SET. INVERTED ROUNDING OVER BIT

CARBIDE TIPPED  
TWO FLUTES - WITH BALL BEARING GUIDE  
**12.7 mm (1/2") SHANK**

PART No.	A	B	C	R RADIUS
CARTSS 7 B 1/2	60.3	22.2	80	16
CARTSS 9 B 1/2	66.7	24.1	82	19

Replacement Bearing TB18.  
Retaining Ring TZR 3

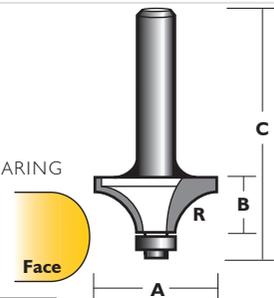


### ROUNDING OVER BIT

CARBIDE TIPPED  
TWO FLUTES - WITH CARBI-SMOOTH BEARING  
ASSEMBLY & BALL BEARING GUIDE  
**12.7 mm (1/2") SHANK**

Replacement Bearing Assembly TBT20.

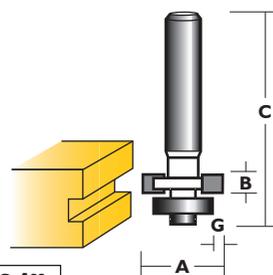
PART No.	A	B	C	R RADIUS
CARTSS 8 B 1/2	47.6	20.6	80	16
CARTSS 10 B 1/2	54	25.4	84	19



### FACE INLAY BIT 1/4" WIDTH-1/2" WIDTH

CARBIDE TIPPED  
TWO FLUTES - WITH  
CARBI-SMOOTH BEARING  
ASSEMBLY & BALL BEARING GUIDE  
**12.7 mm (1/2") SHANK**

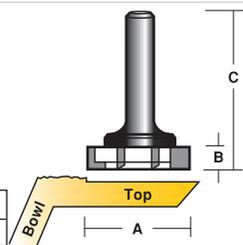
PART No.	A	B	C	G	BRG ASS
CARTSS 11 B 1/2	25.4	1/4"	66	1.6	TBT 22
CARTSS 21 B 1/2	25.4	1/4"	66	3.2	TBT 21
CARTSS 31 B 1/2	25.4	1/4"	66	4.8	TBT 20
CARTSS 12 B 1/2	25.4	1/2"	73	1.6	TBT 22
CARTSS 22 B 1/2	25.4	1/2"	73	3.2	TBT 21
CARTSS 32 B 1/2	25.4	1/2"	72	4.8	TBT 20



### SURFACE PLANER

CARBIDE TIPPED - SIX FLUTES  
**12.7 mm (1/2") SHANK**

PART No.	A	B	C
CARTSS 13 1/2	50.8	9.5	80

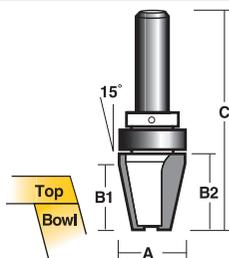


### CHAMFER BIT 15°

CARBIDE TIPPED  
TWO FLUTES -  
WITH BALL  
BEARING GUIDE  
**12.7 mm  
(1/2") SHANK**

PART No.	A	B1	B2	C
CARTSS 14 B 1/2	28.6	25.4	28.4	85

Replacement Ball Bearing TB18.  
Retaining Ring TZR 3

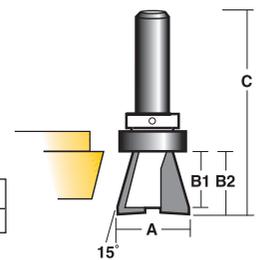


### BOWL CUTTER 15°

CARBIDE TIPPED  
TWO FLUTES -  
WITH BALL  
BEARING GUIDE  
**12.7 mm  
(1/2") SHANK**

PART No.	A	B1	B2	C
CARTSS 15 B 1/2	28.6	23.5	25.4	85

Replacement Ball Bearing TB18.  
Retaining Ring TZR 3

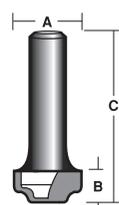


### COUNTER TOP BIT

CARBIDE TIPPED -  
TWO FLUTE  
**12.7mm  
(1/2") SHANK**

PART No.	A	B	C
CARTSS 16 1/2	23.8	9.5	54

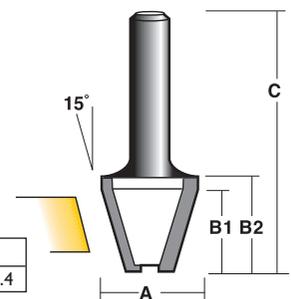
Solid  
Surface Top



### BEVEL BIT

CARBIDE TIPPED -  
TWO FLUTE  
**12.7mm  
(1/2") SHANK**

PART No.	A	B1	B2	C
CARTSS 17 1/2	25.4	25.4	28.4	79.4

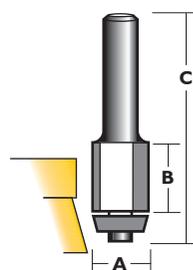


### OVERHANG TRIM BIT

CARBIDE TIPPED -  
TWO FLUTE WITH  
CARBI-SMOOTH BEARING  
ASSEMBLY & BALL  
BEARING GUIDE  
**12.7mm (1/2") SHANK**

PART No.	A	B	C
CARTSS 18 B 1/2	19	25.9	87

Replacement Bearing Assembly TBT19.

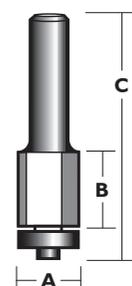


### FLUSH TRIM BIT

CARBIDE TIPPED - TWO FLUTE  
WITH CARBI-SMOOTH  
BEARING ASSEMBLY & BALL  
BEARING GUIDE  
**12.7mm (1/2") SHANK**

PART No.	A	B	C
CARTSS 19 B 1/2	19	25.9	87

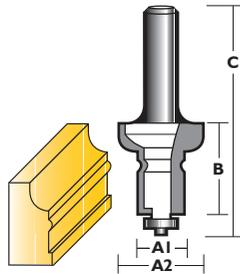
Replacement Bearing Assembly TBT21.



## Face Moulding Bits

### FACE MOULDING BIT

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
**12.7mm (1/2") SHANK**

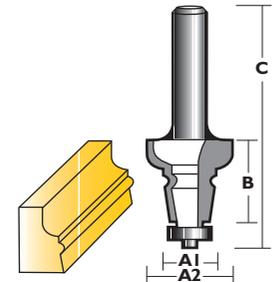


PART No.	A1		A2		B		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTFM01 B 1/2	-	17.8	1-1/4	31.8	1-5/16	33	3-3/8	86

Replacement Ball Bearing TB11.

### FACE MOULDING BIT

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
**12.7mm (1/2") SHANK**

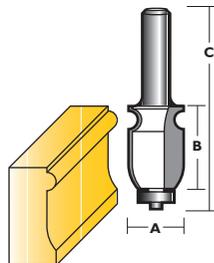


PART No.	A		A2		B		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTFM03 B 1/2	1/2	12.7	1-1/4	31.8	1-5/16	33	3-3/8	86

Replacement Ball Bearing TB11.

### FACE MOULDING BIT

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
**12.7mm (1/2") SHANK**

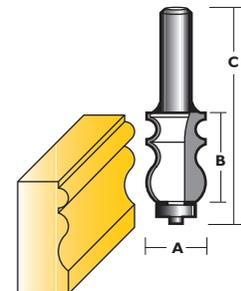


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM06 B 1/2	0.945	24	1-7/16	36.5	3-1/2	89

Replacement Ball Bearing TB8.

### FACE MOULDING BIT

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
**12.7mm (1/2") SHANK**

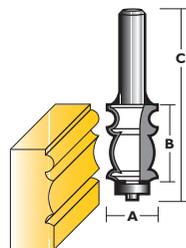


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM12 B 1/2	0.945	24	1-7/16	36.5	3-1/2	89

Replacement Ball Bearing TB8.

### FACE MOULDING BIT

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
**12.7mm (1/2") SHANK**

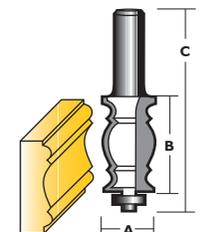


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM18 B 1/2	0.945	24	1-7/16	36.5	3-1/2	89

Replacement Ball Bearing TB8.

### FACE MOULDING BIT

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
**12.7mm (1/2") SHANK**

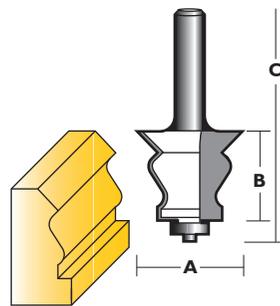


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM24 B 1/2	1.0	25.4	1-7/8	47.6	4	102

Replacement Ball Bearing TB8.

### FACE MOULDING BIT

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
**12.7mm (1/2") SHANK**

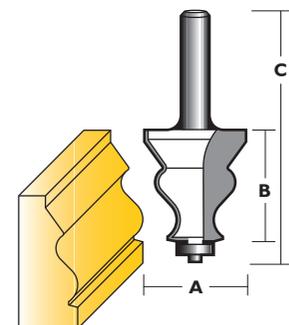


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM30 B 1/2	1-3/4	44.5	1-1/2	38.1	4	102

Replacement Ball Bearing TB12.

### FACE MOULDING BIT

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
**12.7mm (1/2") SHANK**

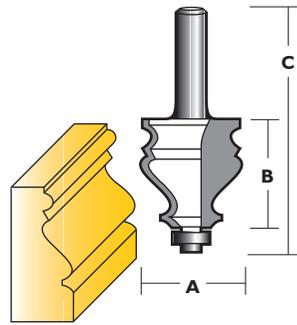


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM32 B 1/2	1-3/4	44.4	1-7/8	48	4-1/8	105

Replacement Ball Bearing TB8.

## Face Moulding Bits

### FACE MOULDING BIT

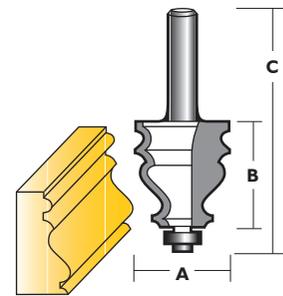


CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
12.7mm (1/2") SHANK

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM 36 B 1/2	1-1/2	38.1	1-5/8	41.3	3-5/8	92

Replacement Ball Bearing TB8.

### FACE MOULDING BIT

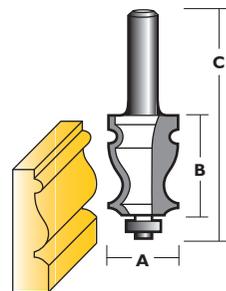


CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
12.7mm (1/2") SHANK

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM 42 B 1/2	1-1/2	38.1	1-5/8	41.3	3-5/8	92

Replacement Ball Bearing TB8.

### FACE MOULDING BIT

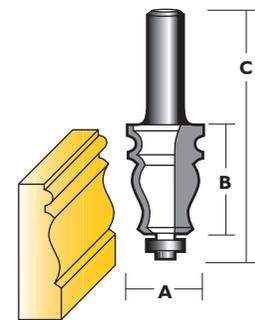


CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
12.7mm (1/2") SHANK

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM 48 B 1/2	1-1/8	28.6	1-5/8	41.3	3-13/16	96.5

Replacement Ball Bearing TB8.

### FACE MOULDING BIT

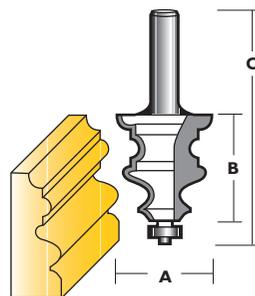


CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
12.7mm (1/2") SHANK

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM 54 B 1/2	1-1/8	28.6	1-5/8	41.3	3-5/8	92

Replacement Ball Bearing TB8.

### FACE MOULDING BIT

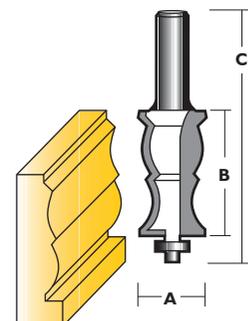


CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
12.7mm (1/2") SHANK

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM 60 B 1/2	1-5/8	41.3	1-3/4	44.5	3-7/8	98

Replacement Ball Bearing TB8.

### FACE MOULDING BIT

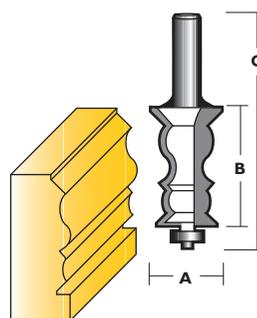


CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
12.7mm (1/2") SHANK

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM 66 B 1/2	1-1/8	28.6	2-1/4	57.1	4-3/8	111.5

Replacement Ball Bearing TB8.

### FACE MOULDING BIT

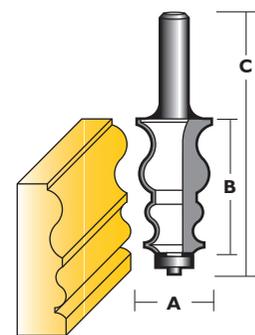


CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
12.7mm (1/2") SHANK

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM 72 B 1/2	1-1/8	28.6	2-1/4	57.1	4-3/8	111.5

Replacement Ball Bearing TB8.

### FACE MOULDING BIT



CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
12.7mm (1/2") SHANK

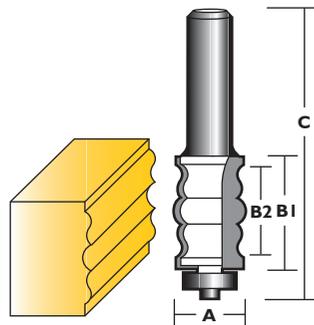
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTFM 80 B 1/2	1-1/4	31.8	2-1/4	57.1	4-3/8	111.5

Replacement Ball Bearing TB8.

## Face Moulding Bits

### DOUBLE REGENCY BIT

A decorative face mould to highlight the ends of protruding boards such as mantle supports.



CARBIDE TIPPED - TWO FLUTE WITH BALL BEARING GUIDE

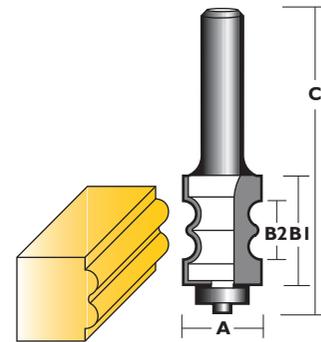
**12.7mm (1/2") SHANK**

PART No.	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTDR 33 B 1/2	3/4	19	1-5/16	33	1.07	27.2	3-3/8	86

Replacement Ball Bearing TB8.

### SINGLE REGENCY BIT

A decorative face mould to highlight the ends of protruding boards such as mantle supports.



CARBIDE TIPPED - TWO FLUTE WITH BALL BEARING GUIDE

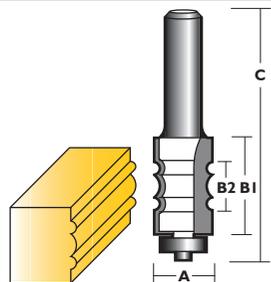
**12.7mm (1/2") SHANK**

PART No.	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTSR 33 B 1/2	15/16	23.9	1-5/16	33	45/64	17.8	3-5/8	92

Replacement Ball Bearing TB8.

### SURFACE BEADING BIT

A decorative face mould to highlight the ends of protruding boards, such as mantle supports.



CARBIDE TIPPED - TWO FLUTE WITH BALL BEARING GUIDE

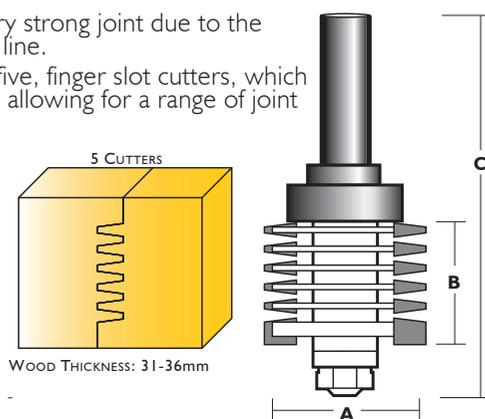
**12.7mm (1/2") SHANK**

PART No.	A		B1		B2		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTSB 33 B 1/2	3/4	19	1-5/16	33	5/8	15.9	3-3/8	86

Replacement Ball Bearing TB8.

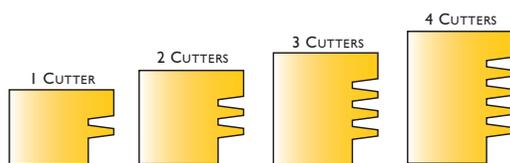
## Finger Joint Bits

Produces a very strong joint due to the extended glue line.  
Supplied with five, finger slot cutters, which are removable allowing for a range of joint thickness.



WOOD THICKNESS: 31-36mm

CARBIDE TIPPED -  
**12.7mm (1/2") SHANK**



WOOD THICKNESS 11-16mm 16-21mm 21-26mm 26-31mm

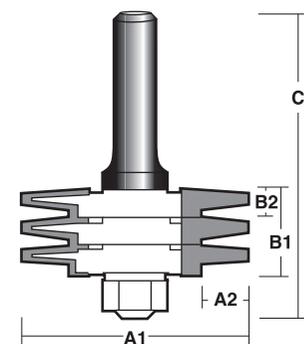
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTAFJ 90 B 1/2		40		30	3-7/8	98.6
CARTFJS 90		40	Finger Slot Cutter			
CARTFJE 90		39.6	Abutting Edge Cutter			

Replacement Arbor TA23

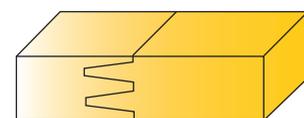
Replacement Ball Bearing TB 3

Designed to join large boards, as well as making spine and scarf, mortise and tenon joints.

Supplied with three, 2-wing cutters as shown, additional cutter may be added if needed. For use with router table.



CARBIDE TIPPED - TWO WING  
**12.7mm (1/2") SHANK**



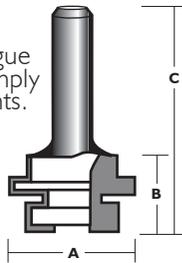
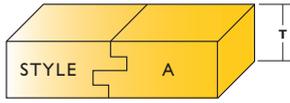
PART No.	A1		A2	B1		B2	C	
	in.	mm	mm	in.	mm	mm	in.	mm
CARTAFJ 60 1/2	2-1/2	63.5	13.6	15/16	23.5	7.62	3-5/8	92
CARTFG 60	2-1/2	63.5	13.6	1 1/32	8.5	7.62	Cutter only	

Replacement Arbor TA21

## Jointing Bits

### TONGUE AND GROOVE BITS

This bit makes professional hard to detect tongue and groove joints. One bit only is required, simply invert second piece of timber for matching joints.

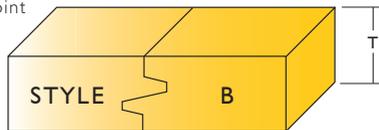


CARBIDE TIPPED - TWO FLUTES  
STYLE A- Tongue & Groove Joint  
**12.7mm (1/2") SHANK**

PART No.	A		B		C		T Min.		T Max.	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTGA 100 1/2	1-3/4	44.5	1-5/32	29.4	3-1/8	79	15/32	12	1-9/64	29

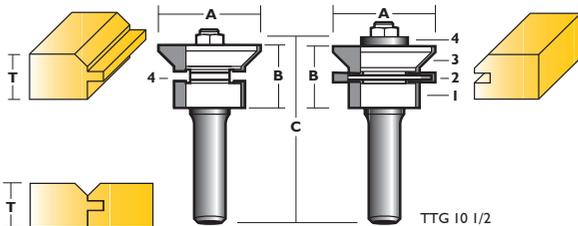
CARBIDE TIPPED - TWO FLUTES  
STYLE B- Tongue & Groove Joint

**SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4".**



PART No.	A		B		C		T Min.		T Max.	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTGB 50	1.180	30	63/64	25	2-1/4	57.1	7/16	11.1	7/8	22.2
CARTGB 50 1/2	1.180	30	63/64	25	2-1/4	57.1	7/16	11.1	7/8	22.2
CARTGB 100 1/2	1-3/4	44.4	1-5/32	29.4	3-1/4	82	5/8	15.9	1-1/32	27.8
CARTGB 200 1/2	1-3/4	44.4	2	50.8	4	102	11/16	17.5	1-15/16	49.2

### TONGUE AND GROOVE BIT for wall panel



To cut matching piece remove slotting cutter and add spacer supplied

CARBIDE TIPPED - TWO FLUTES

PART No.	A		B		C		T Min.		T Max.	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
CARTTG 10 1/2	1-5/8	41.3	1	25.4	3-1/8	79.4	15/32	12.0	13/16	20.6
CARTTGR 10	1-1/8	28.6								10.5 mm
CARTTGS 10	1-5/8	41.3								4.0 mm
CARTTGC 10	1-5/8	41.3								10.8 mm
CARTTGW 10										Spacer (4)

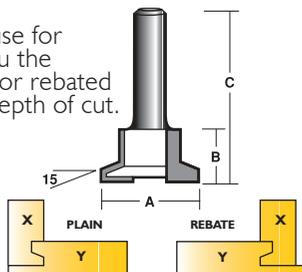
Replacement Arbor TA19

### DRAWER JOINT BIT

This bit is very easy to use for quick joining. It gives you the option to create a plain or rebated drawer by varying the depth of cut.

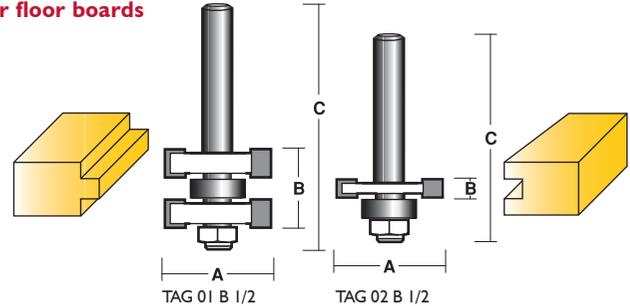
WOOD THICKNESS  
MIN.: 10 mm for X  
MIN.: 15 mm for Y  
CARBIDE TIPPED - TWO FLUTES

**12.7mm (1/2") SHANK**



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTGD 35 1/2	1-3/8	35	.768	19.5	2-1/2	63.5

### TONGUE AND GROOVE BITS for floor boards



CARBIDE TIPPED - TWO FLUTES

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTAG 01 B 1/2	-	32.4	1 3/64	26.7	-	82.5
CARTAG 02 B 1/2	1 5/16	33.4	17/64	6.7	-	63.7
CARTAGC 01	CUTTER ONLY - TAG 01 B 1/2					
CARTAGC 02	CUTTER ONLY - TAG 02 B 1/2					

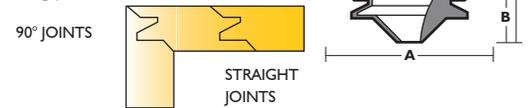
Replacement Ball Bearing TB19

Replacement Arbor TA14 (TAG 01 B 1/2)

Replacement Arbor TA5 (TAG 02 B 1/2)

### MITRE LOCK BIT

Primarily designed for joining material at 90°, however this bit will also produce reasonably strong straight joints. One bit is required. For 90° joints cut second piece of timber at 90° to first piece to produce joint. For straight joints invert the second piece of timber for matching joint.



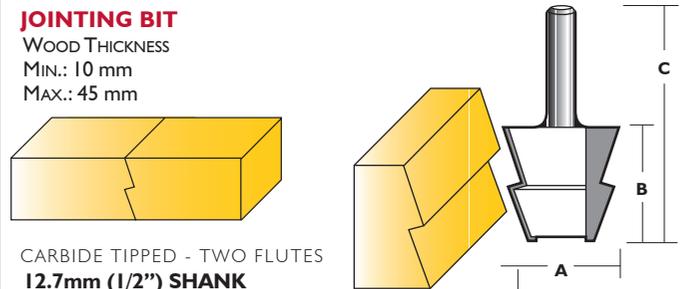
CARBIDE TIPPED - TWO FLUTES

**12.7mm (1/2") SHANK**

PART No.	A		B		C		T Min.		T Max.	
	in.	mm	in.	mm	in.	mm	mm	mm	mm	mm
CARTML 60 1/2	2-3/8	60.3	61/64	24.2	3	76	8.7			20

### JOINTING BIT

WOOD THICKNESS  
MIN.: 10 mm  
MAX.: 45 mm



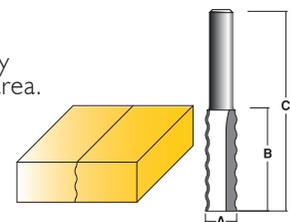
CARBIDE TIPPED - TWO FLUTES

**12.7mm (1/2") SHANK**

PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTGC 100 1/2	1-3/4	44.4	1-7/8	47	3-7/8	98

### WAVY JOINT BIT

Increases joint strength by increasing glued surface area. Also suitable for solid surface materials.

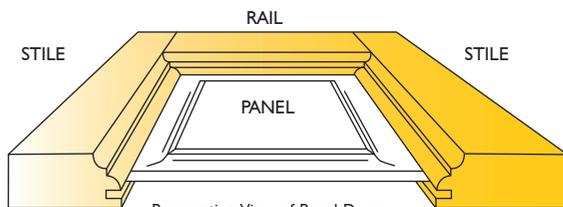
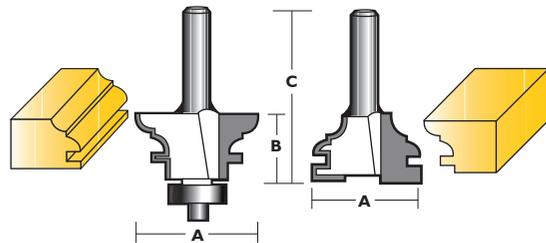


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTWJ 16 1/2	5/8	16	2-1/64	51.3	4-1/32	102.3

## Door Panel Bits (For both rail and Stile)

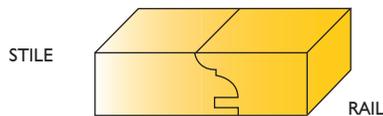
### PANEL DOOR BITS

The TPD 1B-1/2 and TPD 2-1/2 are manufactured as matched sets in order that the rail and stile fit together as perfect joints. The TPD 1B-1/2 now has a ball bearing guide ensuring simpler set ups for professional results. Arches on your cupboard doors are now much easier to achieve.



Perspective View of Panel Door (with one rail removed).

PANEL GROOVE : 4 mm



CARBIDE TIPPED - TWO FLUTES TWO BIT SET  
**12.7mm (1/2") SHANK**

PART No.	A mm	B mm	C mm
CARTPD 1 B 1/2	55	29	94
CARTPD 2 1/2	54	25	76

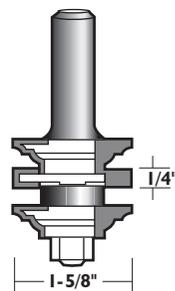
WOOD THICKNESS  
MIN: 20 mm  
MAX: 25 mm

Replacement Ball Bearing TB17.

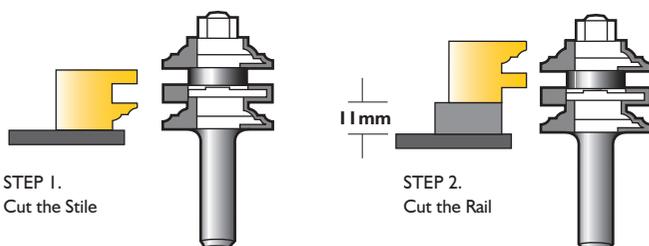
### STACKED STILE AND RAIL ASSEMBLIES

Now you can machine stile and rail with just one bit without having to adjust and switch, reverse or remove the bit from your router. Designed for use in your router table, this bit will machine 16mm to 20mm material. Ball bearing guide allows you to do odd shapes such as arches or cathedral pattern doors. Assembly feature allows any cutter to be removed for economical repair, sharpening, or replacement. Also makes glass door and tongue and groove joints.

TWO FLUTE, CARBIDE TIPPED, BALL BEARING GUIDE



PART No. TPDS 11 B 1/2

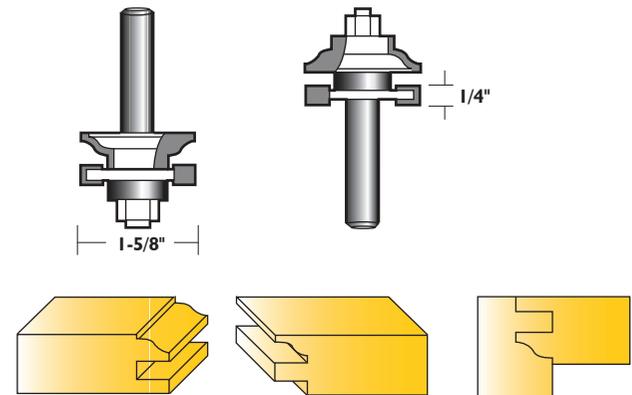


STEP 1.  
Cut the Stile

STEP 2.  
Cut the Rail

Replacement Ball Bearing TB12, Replacement grooving Cutter TPDG 9.  
Replacement Arbor TA20

### REVERSIBLE PANEL DOOR BITS



PART No. TPDR 10 B 1/2

ALTERNATIVE USE

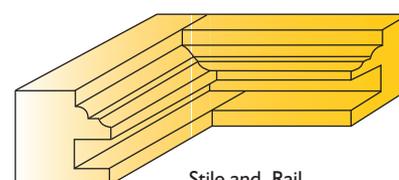
CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

Replacement Ball Bearing TB12  
Replacement Grooving Cutter TPDG 9  
Replacement Arbor TA6

Wood Thickness  
Min: 16mm  
Max: 20mm

### YOUR CHOICE OF ANY COMPLETE PROFILE ASSEMBLIES

PROFILE	PART NUMBERS		
	REVERSIBLE	STACKED STILE AND RAIL	COMMON PROFILE CUTTER
OGEE	TPDR 10 B 1/2	TPDS 10 B 1/2	TPDC 10
CLASSICAL	TPDR 11 B 1/2	TPDS 11 B 1/2	TPDC 11
TRADITIONAL	TPDR 12 B 1/2	TPDS 12 B 1/2	TPDC 12
STRAIGHT	TPDR 13 B 1/2	TPDS 13 B 1/2	TPDC 13

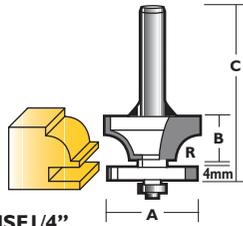


Stile and Rail

## Panel Door and Window Bits

### PANEL DOOR BITS

WOOD THICKNESS  
MIN: 16 mm  
MAX: 20 mm



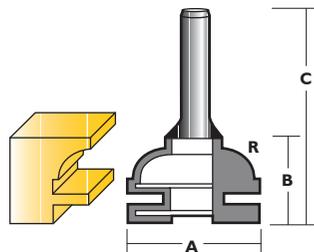
CARBIDE TIPPED - TWO FLUTES

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4".

PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTPS 8 B-1	1-3/8	35	17/32	13.5	2-1/2	63.5	8	
CARTPS 8 B 1/2-1	1-3/8	35	17/32	13.5	2-7/8	73	8	
CARTPSG 8	1-3/8	35	Cutter only					-

Replacement Ball Bearing TB14  
Replacement Grooving Cutter - TPSG 8

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4".



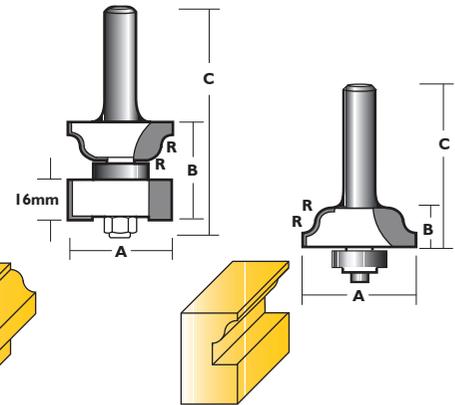
PART No.	A		B		C		R R ADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTPS 8-2	1-3/8	35	7/8	22.2	2-1/4	57.1	8	
CARTPS 8 1/2-2	1-3/8	35	7/8	22.2	2-5/8	67	8	

### WINDOW SASH & RAIL BITS

These two bits work together to produce a complete divided light sash. The TCW 2B 1/2 is used to cope the rails, sash bars, and muntins. The TCW 1B 1/2 cuts the profile on all components.

Application:

Cuts all composition materials, plywood, hard wood, and soft wood. Use on table mounted portable routers.



12.7mm (1/2") SHANK

PART No.	A		B		C		R R ADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTCW 1B 1/2	1.654	42	1-1/2	38.1	3.55	90.1	.200	5.08
CARTCW 2B 1/2	1.654	42	.609	15.5	2.77	70.5	.200	5.08
CARTCW 3	1.654	42	Cutter only					

Replacement Ball Bearing TB12

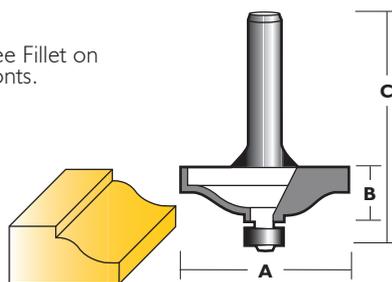
## Panel Door and Window Bits

### RAISED PANEL BITS

This bit produces an Ogee Fillet on panel doors and draw fronts.

CARBIDE TIPPED - TWO FLUTES

12.7mm 1/2" SHANK



PART No.	A		B		C		BEARING No.
	in.	mm	in.	mm	in.	mm	
CARTOG 57 B 1/2	2-1/4	57	41/64	16.3	3	76	TB11
CARTOG 67 B 1/2	2-1/4	57	41/64	16.3	3	76	TB9

Also available without Ball Bearing

CARTOG 57 1/2	2-1/4	57	41/64	16.3	2-3/4	70	NO BEARING
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### ELLIPTICAL BEADING

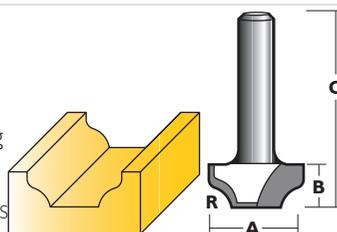
#### BITS WIDE FLAT

#### BOTTOM

Specially designed for grooving panel doors.

CARBIDE TIPPED - TWO FLUTES

12.7mm (1/2") SHANK



PART No.	A		B		C		R RADIUS	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTE 808 1/2	1-13/64	30.5	7/16	11	2-7/16	62	3/8	9.5
CARTE 812 1/2	1-1/4	31.8	9/16	14.2	2-9/16	65	3/8	9.5

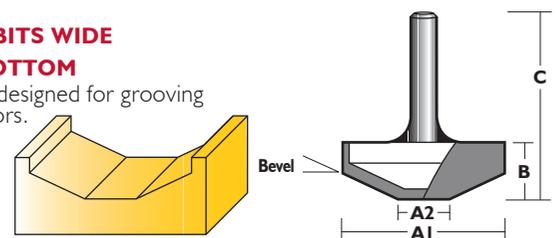
### PANEL BITS WIDE

#### FLAT BOTTOM

Specially designed for grooving panel doors.

CARBIDE TIPPED - TWO FLUTES

SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4".



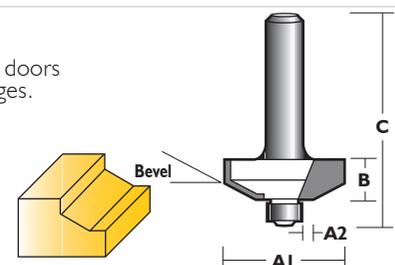
PART No.	A1		A2		B		C		BEVEL
	in.	mm	in.	mm	in.	mm	in.	mm	
CARTPD 25	1	25.4	3/8	9.5	7/16	11	1-5/8	41	25°
CARTPD 25 1/2	1	25.4	3/8	9.5	7/16	11	2-1/8	54	25°
CARTPD 50	1.575	40	1/2	12.7	9/16	14.3	1-13/16	46	25°
CARTPD 50 1/2	1.575	40	1/2	12.7	9/16	14.3	2-5/16	58.5	25°

### RAISED PANEL BIT

This bit is used for panel doors and other decorative edges.

CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE

12.7mm (1/2") SHANK



PART No.	A1		A2		B		C		BEVEL
	in.	mm	in.	mm	in.	mm	in.	mm	
CARTRP 40 B 1/2	1-5/8	40	1/8	3.2	1/2	12.7	2-5/8	67	25°

Replacement Ball Bearing TB11.

## Raised Panel Bits

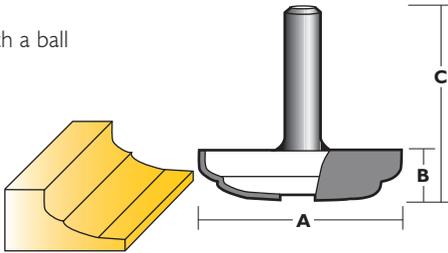
### RAISED PANEL BITS

Also available with a ball bearing guide.

CARBIDE TIPPED - TWO FLUTES

12.7mm (1/2")

SHANK



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTPD 3 1/2	2.83	72	3/4	19.0	2-3/4	70
CARTPD 3 B 1/2	2.83	72	3/4	19.0	3	76

Replacement Ball Bearing TB11.

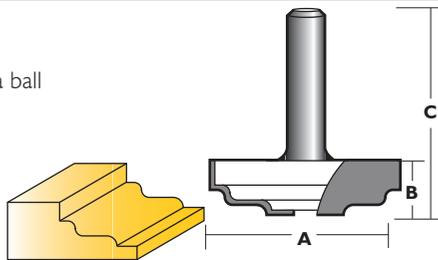
### RAISED PANEL BITS

Also available with a ball bearing guide.

CARBIDE TIPPED - TWO FLUTES

12.7mm (1/2")

SHANK



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTPD 4 1/2	2-3/8	60.3	11/16	17.3	2-5/8	66.8
CARTPD 4 B 1/2	2-3/8	60.3	11/16	17.3	-	72.1

Replacement Ball Bearing TB11.

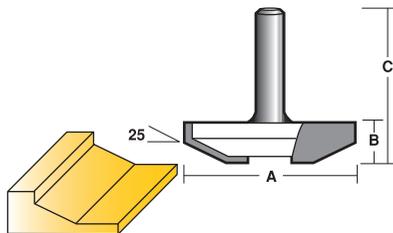
### RAISED PANEL BITS

Also available with a ball bearing guide.

CARBIDE TIPPED - TWO FLUTES

12.7mm

(1/2") SHANK



PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTPD 5 1/2	3	76.2	5/8	15.9	2-3/4	70
CARTPD 5 B 1/2	3	76.2	5/8	15.9	2-3/4	70

Replacement Ball Bearing TB11.

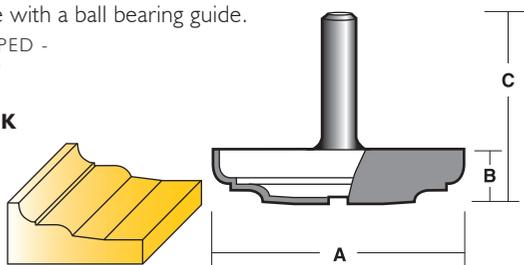
### RAISED PANEL BITS

Also available with a ball bearing guide.

CARBIDE TIPPED - TWO FLUTES

12.7mm

(1/2") SHANK



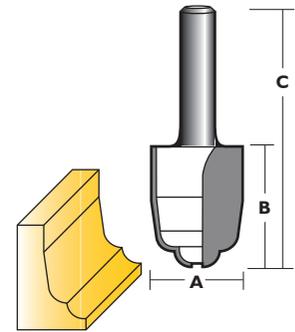
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTPD 6 1/2	3	76	5/8	15.9	2-3/4	70
CAR TPD 6 B 1/2	3	76	5/8	15.9	3	76

Replacement Ball Bearing TB11.

### VERTICAL RAISED PANEL BIT

CARBIDE TIPPED - TWO FLUTES

12.7mm (1/2") SHANK

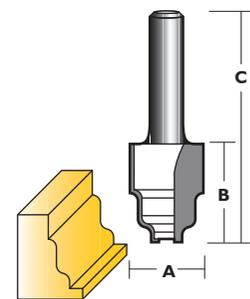


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTPDV 3 1/2	1.36	34.5	1.7	43	3-5/8	92

### VERTICAL RAISED PANEL BIT

CARBIDE TIPPED - TWO FLUTES

12.7mm (1/2") SHANK

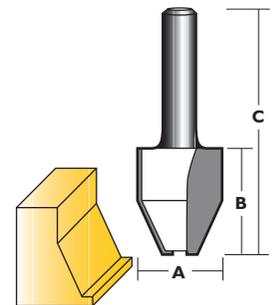


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTPDV 4 1/2	1-1/8	28.6	1-1/2	38.1	3-1/3	89

### VERTICAL RAISED PANEL BIT

CARBIDE TIPPED - TWO FLUTES

12.7mm (1/2") SHANK

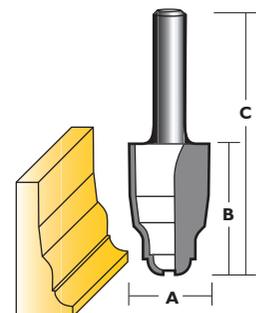


PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTPDV 5 1/2	1-1/4	31.8	1-1/2	38.1	3-1/3	89

### VERTICAL RAISED PANEL BIT

CARBIDE TIPPED - TWO FLUTES

12.7mm (1/2") SHANK



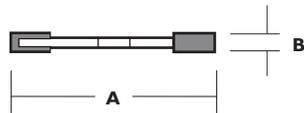
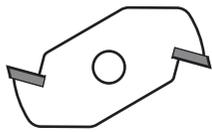
PART No.	A		B		C	
	in.	mm	in.	mm	in.	mm
CARTPDV 6 1/2	1-1/8	28.6	2	50.8	3-7/8	98

# Shank Type Tools

## Slotting Cutters and Assemblies • These cutters can be used for biscuit cutting. (Biscuit sizes 0,10 & 20)

### SLOTTING CUTTER ONLY

Replacement and additional cutters can be purchased singularly for economy where you have an existing arbor.

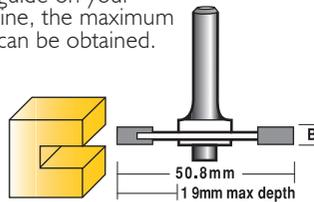


CARBIDE TIPPED - TWO FLUTES  
CUTTER BORE 8mm (5/16")

PART No.	A		B	
	in.	mm	in.	mm
CART 500-1.6 M	2	50.8	1/16	1.6
CART 500-2 M	2	50.8	5/64	2
CART 500-2.5 M	2	50.8	3/32	2.5
CART 500-2.8 M	2	50.8	7/64	2.8
CART 500-3.2 M	2	50.8	1/8	3.2
CART 500-3.6 M	2	50.8	9/64	3.6
CART 500-4 M	2	50.8	5/32	4
CART 500-4.8 M	2	50.8	3/16	4.8
CART 500-5.5 M	2	50.8	7/32	5.5
CART 500-6.4 M	2	50.8	1/4	6.35
CART 500-8.0 M	2	50.8	5/16	8

### ASSEMBLIES

By using the guide on your routing machine, the maximum depth of cut can be obtained.

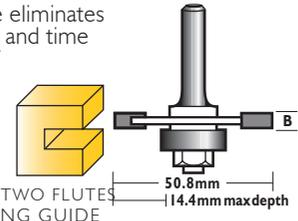


CARBIDE TIPPED - TWO FLUTES  
SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	B		ARBOR
	in.	mm	
CARTA 500-1.6 M	1/16	1.6	TA 15
CARTA 500-1.6 M 1/2	1/16	1.6	TA 16
CARTA 500-2 M	5/64	2	TA 15
CARTA 500-2 M 1/2	5/64	2	TA 16
CARTA 500-2.5 M	3/32	2.5	TA 15
CARTA 500-2.5 M 1/2	3/32	2.5	TA 16
CARTA 500-2.8 M	7/64	2.8	TA 15
CARTA 500-2.8 M 1/2	7/64	2.8	TA 16
CARTA 500-3.2 M	1/8	3.2	TA 15
CARTA 500-3.2 M 1/2	1/8	3.2	TA 16
CARTA 500-3.6 M	9/64	3.6	TA 15
CARTA 500-3.6 M 1/2	9/64	3.6	TA 16
CARTA 500-4 M	5/32	4	TA 15
CARTA 500-4 M 1/2	5/32	4	TA 16
CARTA 500-4.8 M	3/16	4.8	TA 15
CARTA 500-4.8 M 1/2	3/16	4.8	TA 16
CARTA 500-5.5 M	7/32	5.5	TA 15
CARTA 500-5.5 M 1/2	7/32	5.5	TA 16
CARTA 500-6.4 M	1/4	6.4	TA 15
CARTA 500-6.4 M 1/2	1/4	6.4	TA 16
CARTA 500-8 M	5/16	8	TA 17
CARTA 500-8 M 1/2	5/16	8	TA 18

### ASSEMBLIES

Ball bearing guide eliminates the cumbersome and time consuming job of setting up router machine guides.



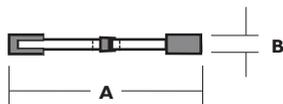
CARBIDE TIPPED - TWO FLUTES WITH BALL BEARING GUIDE  
SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	B		ARBOR
	in.	mm	
CARTA 500-1.6 MB	1/16	1.6	TA 4
CARTA 500-1.6 MB 1/2	1/16	1.6	TA 5
CARTA 500-2 MB	5/64	2	TA 4
CARTA 500-2 MB 1/2	5/64	2	TA 5
CARTA 500-2.5 MB	3/32	2.5	TA 4
CARTA 500-2.5 MB 1/2	3/32	2.5	TA 5
CARTA 500-2.8 MB	7/64	2.8	TA 4
CARTA 500-2.8 MB 1/2	7/64	2.8	TA 5
CARTA 500-3.2 MB	1/8	3.2	TA 4
CARTA 500-3.2 MB 1/2	1/8	3.2	TA 5
CARTA 500-3.6 MB	9/64	3.6	TA 4
CARTA 500-3.6 MB 1/2	9/64	3.6	TA 5
CARTA 500-4 MB	5/32	4	TA 4
CARTA 500-4 MB 1/2	5/32	4	TA 5
CARTA 500-4.8 MB	3/16	4.8	TA 4
CARTA 500-4.8 MB 1/2	3/16	4.8	TA 5
CARTA 500-5.5 MB	7/32	5.5	TA 4
CARTA 500-5.5 MB 1/2	7/32	5.5	TA 5
CARTA 500-6.4 MB	1/4	6.4	TA 4
CARTA 500-6.4 MB 1/2	1/4	6.4	TA 5
CARTA 500-8.0 MB	5/16	8	TA 1
CARTA 500-8.0 MB 1/2	5/16	8	TA 3

Replacement Ball Bearing TB12.

### SLOTTING CUTTER ONLY

Four flute cutters are used for extra smooth cutting and smoother finishes with longer tool life between sharpenings.

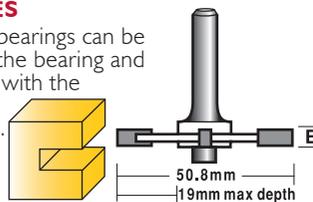


CARBIDE TIPPED - FOUR FLUTES  
CUTTER BORE 8 mm (5/16")  
TX SERIES: BORE 12.7 mm (1/2")

PART No.	A		B	
	in.	mm	in.	mm
CART 700-1.6 M	2	50.8	1/16	1.6
CART 700-2 M	2	50.8	5/64	2
CART 700-2.5 M	2	50.8	3/32	2.5
CART 700-2.8 M	2	50.8	7/64	2.8
CART 700-3.2 M	2	50.8	1/8	3.2
CART 700-3.6 M	2	50.8	9/64	3.6
CART 700-4 M	2	50.8	5/32	4
CART 700-4.8 M	2	50.8	3/16	4.8
CART 700-5.5 M	2	50.8	7/32	5.5
CART 700-6.4 M	2	50.8	1/4	6.35
CART 700-8.0 M	2	50.8	5/16	8
CARTX 700-4.8 M	3-5/32	80	3/16	4.8
CARTX 700-5.5 M	3-5/32	80	7/32	5.5
CARTX 700-6.4 M	3-5/32	80	1/4	6.35
CARTX 700-8 M	3-5/32	80	5/16	8

### ASSEMBLIES

Bits without bearings can be used where the bearing and nut interfere with the work piece configuration.

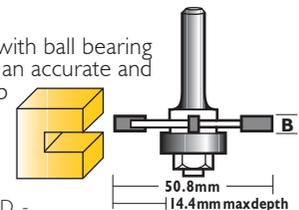


CARBIDE TIPPED - FOUR FLUTES  
TX CUTTERS: MAX DEPTH 30mm WIDTH 80mm.  
SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	B		ARBOR
	in.	mm	
CARTA 700-1.6 M	1/16	1.6	TA 15
CARTA 700-1.6 M 1/2	1/16	1.6	TA 16
CARTA 700-2 M	5/64	2	TA 15
CARTA 700-2 M 1/2	5/64	2	TA 16
CARTA 700-2.5 M	3/32	2.5	TA 15
CARTA 700-2.5 M 1/2	3/32	2.5	TA 16
CARTA 700-2.8 M	7/64	2.8	TA 15
CARTA 700-2.8 M 1/2	7/64	2.8	TA 16
CARTA 700-3.2 M	1/8	3.2	TA 15
CARTA 700-3.2 M 1/2	1/8	3.2	TA 16
CARTA 700-3.6 M	9/64	3.6	TA 15
CARTA 700-3.6 M 1/2	9/64	3.6	TA 16
CARTA 700-4 M	5/32	4	TA 15
CARTA 700-4 M 1/2	5/32	4	TA 16
CARTA 700-4.8 M	3/16	4.8	TA 15
CARTA 700-4.8 M 1/2	3/16	4.8	TA 16
CARTXA 700-4.8 M 1/2	3/16	4.8	TA 8
CARTA 700-5.5 M	7/32	5.5	TA 15
CARTA 700-5.5 M 1/2	7/32	5.5	TA 16
CARTXA 700-5.5 M 1/2	7/32	5.5	TA 8
CARTA 700-6.4 M	1/4	6.4	TA 15
CARTA 700-6.4 M 1/2	1/4	6.4	TA 16
CARTXA 700-6.4 M 1/2	1/4	6.4	TA 8
CARTA 700-8 M	5/16	8	TA 17
CARTA 700-8 M 1/2	5/16	8	TA 18
CARTXA 700-8 M 1/2	5/16	8	TA 8

### ASSEMBLIES

Four flute bits with ball bearing guide produce an accurate and professional job with minimum set up time.



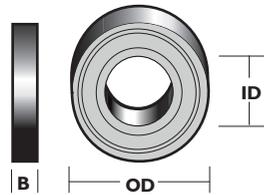
CARBIDE TIPPED - FOUR FLUTES WITH BALL BEARING GUIDE  
TX CUTTERS: MAX DEPTH 29mm WIDTH 80mm.  
SUFFIX 1/2 = 1/2" SHANK, OTHERWISE 1/4"

PART No.	B		ARBOR
	in.	mm	
CARTA 700-1.6 MB	1/16	1.6	TA 4
CARTA 700-1.6 MB 1/2	1/16	1.6	TA 5
CARTA 700-2 MB	5/64	2	TA 4
CARTA 700-2 MB 1/2	5/64	2	TA 5
CARTA 700-2.5 MB	3/32	2.5	TA 4
CARTA 700-2.5 MB 1/2	3/32	2.5	TA 5
CARTA 700-2.8 MB	7/64	2.8	TA 4
CARTA 700-2.8 MB 1/2	7/64	2.8	TA 5
CARTA 700-3.2 MB	1/8	3.2	TA 4
CARTA 700-3.2 MB 1/2	1/8	3.2	TA 5
CARTA 700-3.6 MB	9/64	3.6	TA 4
CARTA 700-3.6 MB 1/2	9/64	3.6	TA 5
CARTA 700-4 MB	5/32	4	TA 4
CARTA 700-4 MB 1/2	5/32	4	TA 5
CARTA 700-4.8 MB	3/16	4.8	TA 4
CARTA 700-4.8 MB 1/2	3/16	4.8	TA 5
CARTXA 700-4.8 MB 1/2	3/16	4.8	TA 7
CARTA 700-5.5 MB	7/32	5.5	TA 4
CARTA 700-5.5 MB 1/2	7/32	5.5	TA 5
CARTXA 700-5.5 MB 1/2	7/32	5.5	TA 7
CARTA 700-6.4 MB	1/4	6.4	TA 4
CARTA 700-6.4 MB 1/2	1/4	6.4	TA 5
CARTXA 700-6.4 MB 1/2	1/4	6.4	TA 7
CARTA 700-8 MB	5/16	8	TA 1
CARTA 700-8 MB 1/2	5/16	8	TA 3
CARTXA 700-8 MB 1/2	5/16	8	TA 7

## Bearing, Collets, Arbors & Keys

### BALL BEARINGS

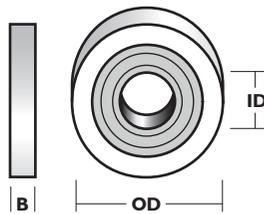
**CARE OF BEARINGS:**  
All bearings should be kept free of dust and dirt. They should be cleaned in glue solvent and lightly oiled after each use.



PART No.	OD		B		ID	
	in.	mm	in.	mm	in.	mm
CARTB2	3/8	9.5	1/8	3.2	1/4	6.35
CARTB3		28	23/64	9	5/16	8
CARTB4	3/4	19	5/32	4	1/2	12.7
CARTB5	3/4	19	-	6	-	6
CARTB6	1/4	6.35	7/64	2.7	1/8	3.2
CARTB7	1/2	12.7	3/16	4.8	1/4	6.35
CARTB8	5/8	15.9	3/16	4.8	3/16	4.8
CARTB9	3/8	9.5	1/8	3.2	3/16	4.8
CARTB10	3/8	9.5	5/32	4	1/8	3.2
CARTB11	1/2	12.7	3/16	4.8	3/16	4.8
CARTB12	0.866	22	.275	6.9	5/16	8
CARTB13	0.945	24	5/16	8	5/16	8
CARTB14	5/8	15.9	3/16	4.8	1/4	6.35
CARTB15	13/16	20.6	19/64	7.6	1/4	6.35
CARTB16	3/4	19	9/32	7.1	1/4	6.35
CARTB17	1.102	28	5/16	8	0.472	12
CARTB18	1-1/8	28.6	5/16	8	1/2	12.7
CARTB19	3/4	19	-	6	5/16	8
CARTB20	-	24	-	5	-	15
CARTB21	-	35	-	11	-	15

### CARBI-SMOOTH BEARING ASSEMBLIES

TBT19 has a bevelled smooth surface. All other bearings have a straight surface (as illustrated).

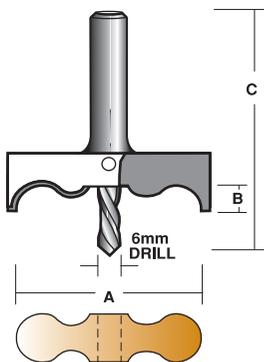


BRG ASSEMBLY No.	BRG. USED	OD		B		ID	
		in.	mm	in.	mm	in.	mm
CARTBT19	TB7	3/4	19	15/64	6	1/4	6.35
CARTBT20	TB7	5/8	15.9	15/64	6	1/4	6.35
CARTBT21	TB14	3/4	19	15/64	6	1/4	6.35
CARTBT22	TB14	7/8	22.2	15/64	6	1/4	6.35

### Wood Boring drills

#### TOY WHEEL CUTTERS

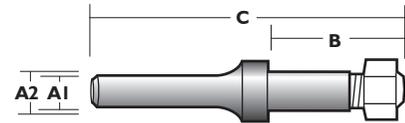
This bit gives the perfect wheel shape for toy making. Available in 3 sizes with a 6mm interchangeable drill. Recommended for use in Bench or secured Hand Drills. (Not suitable for routing machines)



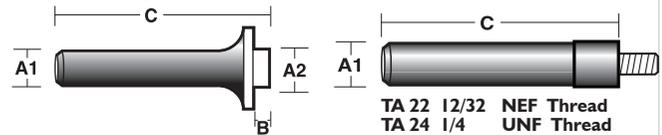
CARBIDE TIPPED - TWO FLUTES  
**12.7mm (1/2") SHANK**

PART No.	A	B	C
	mm	mm	mm
CARTWCH 40 1/2	40	6.3	90
CARTWCH 50 1/2	50	7	92
CARTWCH 60 1/2	60	8	92

### ARBORS



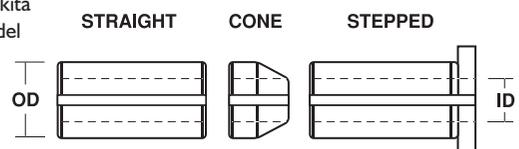
PART No.	A1		A2		B		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTA1	1/4	6.35	0.315	8	7/8	22.2	2-3/8	60
CARTA3	1/2	12.7	0.315	8	7/8	22.2	2-5/8	67
CARTA4	1/4	6.35	0.315	8	.760	19.3	2.260	57.4
CARTA5	1/2	12.7	0.315	8	.760	19.3	2.510	63.7
CARTA6	1/2	12.7	0.315	8	1-1/4	31.8	3.100	78.7
CARTA7	1/2	12.7	1/2	12.7	.950	24.1	3.100	78.7
CARTA9	1/4	6.35	1/4	6.35	1-1/8	28.8	2-3/8	60
CARTA10	1/4	6.35	.295	7.5	5/8	15.9	2.062	52.4
CARTA13	1/4	6.35	0.315	8	1-1/2	38.1	3	76
CARTA19	1/2	12.7	0.315	8	1-29/64	37	3-5/16	84
CARTA20	1/2	12.7	0.315	8	1-25/69	50	2	100
CARTA21	1/2	12.7	1/2	12.7	1-3/4	44.4	3-5/8	92
CARTA23	1/2	12.7	5/8	16	2.07	52.5	3-25/32	96



PART No.	A1		A2		B		C	
	in.	mm	in.	mm	in.	mm	in.	mm
CARTA8	1/2	12.7	1/2	12.7	3/32	2.4	2.250	57.1
CARTA11	1/4	6.35	.295	7.5	0.030	0.8	1.465	37.2
CARTA15	1/4	6.35	0.315	8	0.030	0.8	1-7/8	47
CARTA16	1/2	12.7	0.315	8	0.030	0.8	1.780	45.2
CARTA17	1/4	6.35	0.315	8	0.120	3	1.825	46.4
CARTA18	1/2	12.7	0.315	8	0.120	3	1.870	47.5
CARTA22	1/2	12.7	-	-	-	-	3 25/32	96
CARTA24	1/2	12.7	-	-	-	-	3 25/32	96
CARTA25	1/4	6.35	5/8	16	0.33	8.5	2 45/64	68.5
CARTA26	1/2	12.7	5/8	16	0.33	8.5	2 45/64	68.5

### COLLETS

TC3 suits Makita Trimmer model 3700B.



PART No.	OD		ID (BORE)		STYLE
	in.	mm	in.	mm	
CARTC1	1/2	12.7	1/4	6.35	STRAIGHT
CARTC2	1/2	12.7	3/8	9.5	STRAIGHT
CARTC3	-	11.0	1/4	6.35	CONE
CARTC4	1/2	12.7	1/4	6.35	STEPPED
CARTCM2	1/4	6.35	-	2	STRAIGHT
CARTCM3	1/4	6.35	-	3	STRAIGHT
CARTCM4	1/4	6.35	-	4	STRAIGHT

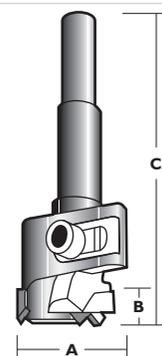
### ADJUSTABLE HINGE BORING BIT (TCT)

Adjusts from 20mm-50mm width. Ideal for deep repetitive holes up to 75mm in depth.

For bench drill or secured portable hand drill only. These bits are not suitable for portable router machines.

CARBIDE TIPPED - TWO FLUTES  
**10mm (3/8") SHANK**

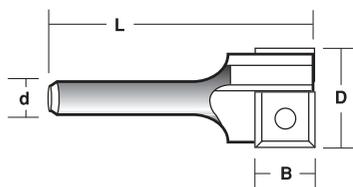
PART No.	A	B	C
	mm	mm	mm
CARTAHB 50	22.5 - 48	11	97



## Replacable Insert Router Bits

### Straight Bits

### Two Flutes



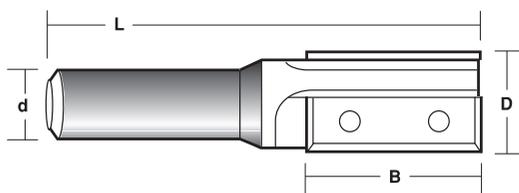
### TWO FLUTE

All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.
CARR 1912	19	12	48	6.35	PL 12 12 1.5
CARR 1912 1/2	19	12	58	12.7	PL 12 12 1.5

### Straight Bits

### Two Flutes



### TWO FLUTE

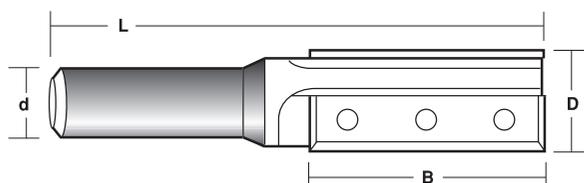
All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.
CARR 1830 1/2	18	30	75	12.7	PL 29.5 12 1.5 EC
CARR 1830 .16	18	30	75	16.0	PL 29.5 12 1.5 EC
CARR 1840 1/2	18	40	80	12.7	PL 39.5 12 1.5 EC
CARR 1930 1/2	19	30	75	12.7	PL 29.5 12 1.5 EC
CARR 1930 .16	19	30	75	16	PL 29.5 12 1.5 EC
CARR 1940 1/2	19	40	84	12.7	PL 39.5 12 1.5 EC
CARR 1950 1/2 -2	19	50	94	12.7	PL 49.5 12 1.5 EC
CARR 2030 1/2	20	30	85	12.7	PL 29.5 12 1.5 EC
CARR 2030 16	20	30	85	16	PL 29.5 12 1.5 EC
CARR 2040 1/2	20	40	85	12.7	PL 39.5 12 1.5 EC
CARR 2040 16	20	40	85	16	PL 39.5 12 1.5 EC

- Use End Cutting Inserts for Rebating and Grooving.
- Supplied with End Cutting Inserts when New.

### Straight Bits

### Two Flutes



### TWO FLUTE

All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.
CARR 1850 1/2 -3	18	50	94	12.7	PL 50 12 1.7 EC
CARR 1950 1/2 -3	19	50	94	12.7	PL 50 12 1.7 EC
CARR 1950 .16 -3	19	50	94	16	PL 50 12 1.7 EC

Note: 3 Hole Fixing.  
(3 Hole Inserts used for greater support.)

- Use End Cutting Inserts for Rebating and Grooving.
- Supplied with End Cutting Inserts when new.

**IMPORTANT - WHEN LOCATING INSERTS: HOLD INSERTS FIRMLY INTO POCKET WHEN TIGHTENING SCREWS**

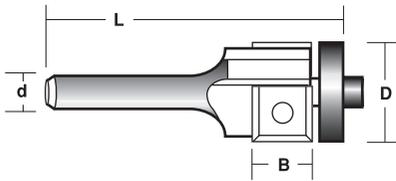
NOTE: Part No's include cutter bodies complete with Inserts, Screws and Torx Key. Bearing if applicable.  
End Cutting Inserts, have End Cutting Clearance.

## Replacable Insert Router Bits

### Flush Trimming Bits

### One Bearing

### Two Flutes

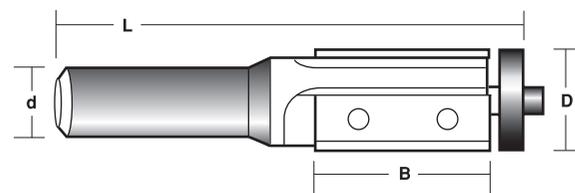


#### TWO FLUTE

All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.
CARR 1912 B	19	12	57	6.35	PL 12 12 1.5
CARR 1912 B 1/2	19	12	65	12.7	PL 12 12 1.5

Replacement bearing TB-5

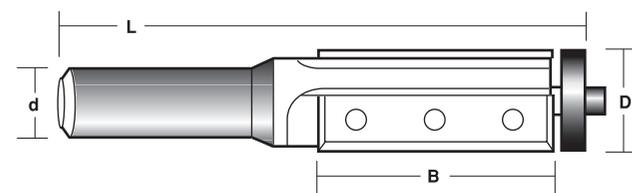


#### TWO FLUTE

All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.
CARR 1930 B 1/2	19	30	82	12.7	PL 30 12 1.5
CARR 1940 B 1/2	19	40	93	12.7	PL 40 12 1.5

Replacement bearing TB-5



#### TWO FLUTE

All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.
CARR 1950 B 1/2-3	19	50	100	12.7	PL 50 12 1.7 E/C

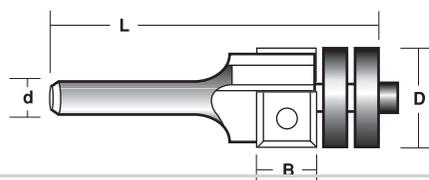
NOTE: 3 Hole Fixing.  
3 Hole Inserts used for greater support.

Replacement bearing TB-5

### Flush Trimming Bits

### Double Bearing

### Two Flutes

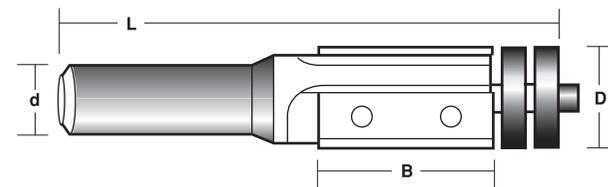


#### TWO FLUTE

All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.
CARR 1912 BB	19	12	61	6.35	PL 12 12 1.5
CARR 1912 BB 1/2	19	12	69	12.7	PL 12 12 1.5

Replacement bearing TB-5



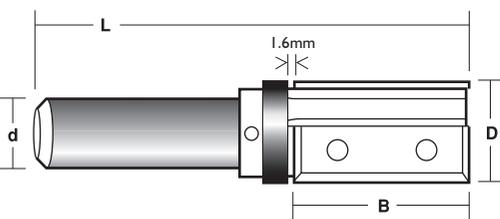
#### TWO FLUTE

All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.
CARR 1930 BB 1/2	19	30	93	12.7	PL 30 12 1.5
CARR 1940 BB 1/2	19	40	105	12.7	PL 40 12 1.5

Replacement bearing TB-5

### Inverted Flush Trimming Bits



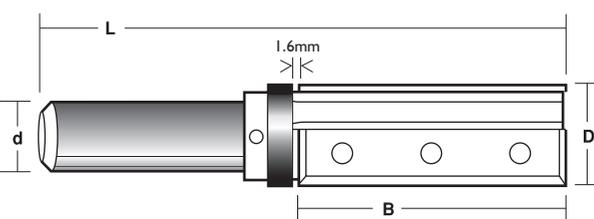
#### TWO FLUTE

All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.	REPLACE. BEARINGS
CARRV 1930 B 1/2	19.05	30	78	12.7	PL 29.5 12 1.5 EC	TB-4
CARRV 1940 B 1/2	19.05	40	88	12.7	PL 39.5 12 1.5 EC	TB-4
CARRV 2440 B 1/2	24.0	40	88	12.7	PL 39.5 12 1.5 EC	TB-20
CARRV 2830 B 1/2	28.6	30	78	12.7	PL 29.5 12 1.5 EC	TB-18
CARRV 2840 B 1/2	28.6	40	88	12.7	PL 39.5 12 1.5 EC	TB-18
CARRV 2850 B 1/2-2	28.6	50	98	12.7	PL 49.5 12 1.5 EC	TB-18

Supplied with End Cutting Inserts when new.

Retaining Ring TZR 3



#### TWO FLUTE

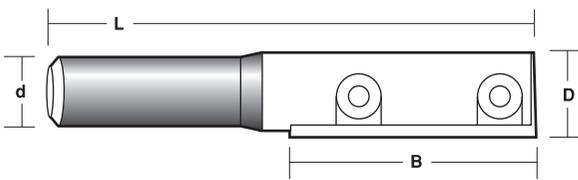
All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.	REPLACE. BEARINGS
CARRV 1950 B 1/2-3	19.05	50	98	12.7	PL 50 12 1.7 EC	TB-4
CARRV 2450 B 1/2-3	24	50	98	12.7	PL 50 12 1.7 EC	TB-20

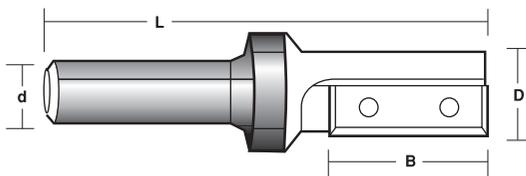
Retaining Ring TZR 3

## Replacable Insert Router Bits

### STRAIGHT BITS



- Use End Cutting Inserts for Plunging and Trenching
- Supplied with End Cutting Inserts when new.



- Use End Cutting Inserts for Plunging and Trenching
- Supplied with End Cutting Inserts when new.

### SINGLE FLUTE

#### SINGLE FLUTE

All sizes in millimetres

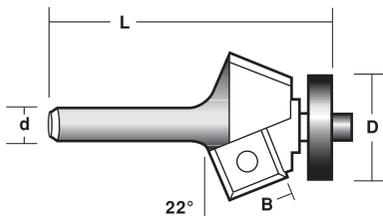
Part No.	D	B	L	d	INSERT NO.
CARRS 1230 1/2	12	30	75	12.7	PL 29.5 9 1.5 EC
CARRS 12730 1/2	12.7	30	75	12.7	PL 29.5 9 1.5 EC
* CARRS 1430 1/2	14	30	75	12.7	PL 29.5 9 1.5 EC
CARRS 1630 1/2	16	30	85	12.7	PL 29.5 12 1.5 EC
CARRS 1640 1/2	16	40	85	12.7	PL 39.5 12 1.5 EC
* CARRS 1640 16	16	40	85	16	PL 39.5 12 1.5 EC
* CARRS 1830 1/2	18	30	85	12.7	PL 29.5 12 1.5 EC
* CARRS 1930 1/2	19	30	85	12.7	PL 29.5 12 1.5 EC
* CARRS 1940 1/2	19	40	85	12.7	PL 39.5 12 1.5 EC
* CARRS 1940 16	19	40	85	16	PL 39.5 12 1.5 EC
* CARRS 2030 1/2	20	30	85	12.7	PL 29.5 12 1.5 EC
* CARRS 2040 1/2	20	40	85	12.7	PL 39.5 12 1.5 EC
* CARRS 2040 16	20	40	85	16	PL 39.5 12 1.5 EC

Part No.	D	B	L	d	INSERT NO.
* CARRSP 12.7 30 1/2	12.7	30	85	12.7	PL 29.5 9 1.5 EC
* CARRSP 16 40 1/2	16	40	90	12.7	PL 29.5 9 1.5 EC

- \* These tools will be deleted from the range once current stocks are sold

### 22° BEVEL TRIMMING BITS

### TWO FLUTES



#### TWO FLUTE

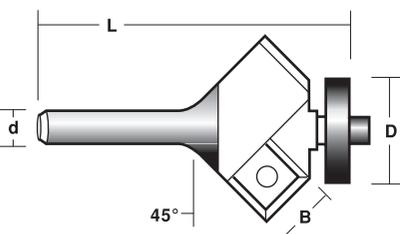
All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.
CARR 22 B	19	12	54	6.35	PL 12 12 1.5
CARR 22 B 1/2	19	12	58	12.7	PL 12 12 1.5

Replacement bearing TB-5

### 45° BEVEL TRIMMING BITS

### TWO FLUTES



#### TWO FLUTE

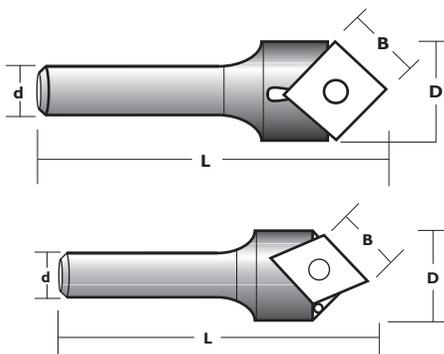
All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.
CARR 45 B	19	12	54	6.35	PL 12 12 1.5
CARR 45 B 1/2	19	12	58	12.7	PL 12 12 1.5

Replacement bearing TB-5

### VEE GROOVE BITS

### SINGLE FLUTE



All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.
CARRVG 91 1/2	18	12	60	12.7	PL 12 12 1.5

Cuts included angle of 91°

All sizes in millimetres

Part No.	D	B	L	d	INSERT NO.
CARRVG 90 1/2	25	15.5	68	12.7	PLR 20 12

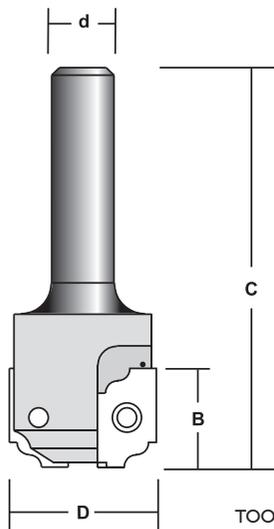
Cuts included angle of 90°

**IMPORTANT - WHEN LOCATING INSERTS: HOLD INSERTS FIRMLY INTO POCKET WHEN TIGHTENING SCREWS**

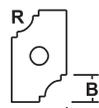
NOTE: Part No's include cutter bodies complete with Inserts, Screws and Torx Key. Bearing if applicable.  
End Cutting Inserts, have End Cutting Clearance.

## Multi - Shape Profile Bit

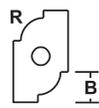
Use the standard range of shapes available or custom design your own shape



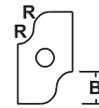
RMST 201



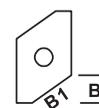
RMST 202



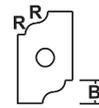
RMST 203



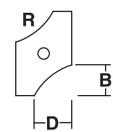
RMST 204



RMST 205



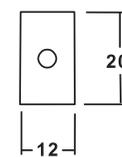
RMST 206



RMST 207

INSERTS

PART No.	B	B1	B2	R	chmf	D
	mm	mm	mm	mm		mm
CARRMST 201	9.52			9.52		
CARRMST 202	5.9			3.5		5.9
CARRMST 203	6.6			5.0		6.6
CARRMST 204	7.0			3.5		7.0
CARRMST 205		10.45	6.01		35°	8.58
CARRMST 206	5.0			2.5		6.6
CARRMST 207	5.5			11.68		6.7



RMSTB 20122

(Blank Insert onto which a profile can be ground NB. These blanks will not fit onto the body until ground) Tip Thickness 2mm

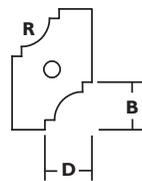
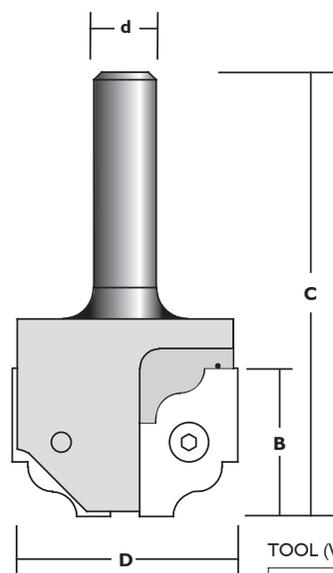
TOOL (WITHOUT INSERTS)

PART No.	D	B	L	d
	mm	mm	mm	mm
CARRMS 200 1/2	30	20	75	12.7

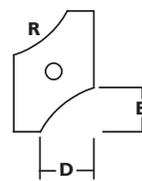
Replacement Insert – 20 x 12 x 2.0

Replacement Screw – M4

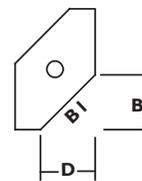
Replacement Torx Key – T15



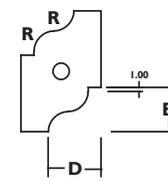
RMST 301



RMST 302



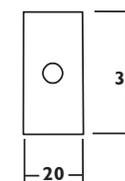
RMST 303



RMST 304

INSERTS

PART No.	B	B1	B2	R	chmf	D
	mm	mm	mm	mm		mm
CARRMST 301	11.8			7		11.8
CARRMST 302	11			23.35		13.47
CARRMST 303	19.25	13.61		45°		13.61
CARRMST 304	11			5		13.2



RMSTB 30202

(Blank Insert onto which a profile can be ground NB. These blanks will not fit onto the body until ground) Tip Thickness 2mm

TOOL (WITHOUT INSERTS)

PART No.	D	B	L	d
	mm	mm	mm	mm
CARRMS 300 1/2	46	30	90	1/2
CARRMS 300 16	46	30	90	16

Replacement Insert – 30 x 20 x 2.0

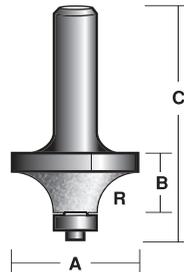
Replacement Screw – M4

Replacement Torx Key – T15

## Diamond Coated Edge Forming Bits

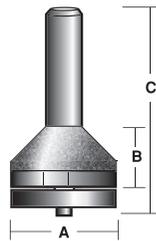
Ideal for use in a wide range of materials such as marble, granite, fibreglass, ceramics, solid surface materials and some type of plastics, glass and graphite. (\*Special shapes and sizes available on request)

### ROUNDING OVER BITS



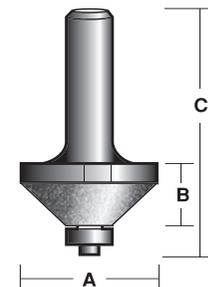
PART No.	A	B	C	RADIUS	BEARING	SHANK
CARDIACR 3.5 MB 1/2	27	8	65	3.5	TBRS 40	1/2
CARDIACR 6 MB 1/2	30	14	70	6	TBRS 40	1/2
CARDIACR 10 MB 1/2	37	16	75	10	TBRS 40	1/2
CARDIACR 12 MB 1/2	43	18	75	12	TBRS 40	1/2

### 45° INVERTED CHAMFER BIT



PART No.	A	B	C	BEARING	SHANK
CARDIACR 135 B 1/2	30	17	75	TBRS 42	1/2

### 45° CHAMFER BIT



PART No.	A	B	C	BEARING	SHANK
CARDIACR 45 B 1/2	30	14	75	TBRS 41	1/2

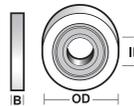
### TRIM BIT



PART No.	A	B	C	BEARING	SHANK
CARDIACR 12730 B 1/2	12.7	30	70	TBRS 43	1/2

### REPLACEMENT BEARINGS (RUBBER SEALED)

PART No.	OD mm	ID mm	B mm
CARTBRS 40	19	5	4
CARTBRS 41	16	5	6
CARTBRS 42	30	10	9
CARTBRS 43	12.7	4.8	4.8



# ALLSTARS!



**LEUCO**

[www.leuco.com](http://www.leuco.com)

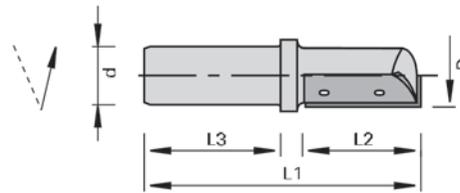
## Replaceable Knife Router Bits

### LEUCO Straight Knife Single Flute

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MAN

- | Jointing, rabbeting and grooving in solid woods and wood based panels.
- | Travel plunge cut using Z, X or Y axis with cutting edge parallel to cutter axis.
- | Knife material Board 05 medium.

OD	L2	Od	L1	FLUTES	R/H PART NO.	L/H PART NO.	KNIVES	CAP SCREWS PART NO.	CLAMPING WEDGES
8	20	12	70	Z 1	LEU175669	N	LEU173480 20 x 4.1 x 1.1	LEU168237	LEU175722
10	25	12	75	Z 1	LEU175670	N	LEU173793 25 x 5.5 x 1.1	LEU168238	LEU175724
12	30	12	80	Z 1	LEU175664	LEU175665	LEU173482 30 x 5.5 x 1.1	LEU168239	LEU175726
14	30	12	80	Z 1	LEU175666	LEU175667	LEU173482 30 x 5.5 x 1.1	LEU168239	LEU175728
16	50	12	100	Z 1	LEU175668	N	LEU173483 50 x 5.5 x 1.1	LEU168236	LEU175729

#### ACCESSORIES

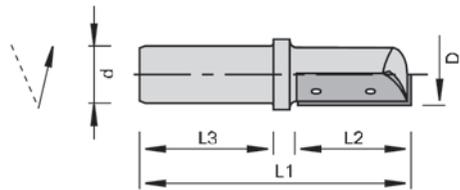
T8 Screw Driver	LEU166499	8-14D
T15 Screw Driver	LEU163161	16D

### LEUCO Straight Knife Single Flute Heavy Tool Body

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

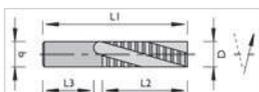
MAN

- | Jointing, rabbeting and grooving in solid woods and wood based panels.
- | Tool body is made of a heavy metal which provides high radial stiffness and high resistance to breakage.
- | Travel plunge cut using Z, X or Y axis with cutting edge parallel to cutter axis.
- | Knife material Board 05 medium.

OD	L2	Od	L1	FLUTES	R/H PART NO.	L/H PART NO.	KNIVES	CAP SCREWS PART NO.	CLAMPING WEDGES
8	20	12	80	Z=1	LEU180816	N	LEU173480 20 x 4.1 x 1.1	LEU168237	LEU175722
10	25	12	80	Z=1	LEU180817	N	LEU173793 25 x 5.5 x 1.1	LEU168238	LEU175724
12	30	12	90	Z=1	LEU180818	N	LEU173482 30 x 5.5 x 1.1	LEU168239	LEU175726

#### ACCESSORIES

T15 Screw Driver	T8	LEU166499
------------------	----	-----------



**KEY** SEE DIAGRAM ON LEFT FOR DIMENSIONS EXAMPLE.

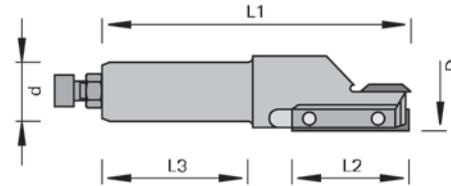
## Replaceable Knife Router Bits

### LEUCO Straight Knife Single Edge with Plunge Tip

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MEC

- | Jointing, rabbeting and grooving in solid woods and wood based panels.
- | Travel plunge cut using Z, X or Y axis with cutting edge parallel to cutter axis.
- | Knife material Board 05 medium.

OD	L2	Od	L1	FLUTES	R/H PART NO.	L/H PART NO.	KNIVES	CLAMPING WEDGES
16	30	16	91	Z 1+1	LEU175712	LEU175713	LEU173482 30 x 5.5 x 1.1	LEU169280R/ LEU171117L
16	50	16	106	Z 1+1	LEU175714	50 x 5.5 x 1.1	LEU173483	LEU171111
18	50	25	116	Z 1+1	LEU175716	LEU175717	LEU173483 50 x 5.5 x 1.1	LEU171113R/ LEU171114L

#### ACCESSORIES

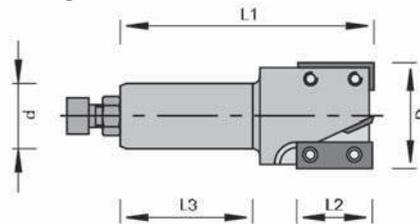
T15 Screw Driver	LEU163161	LEU003080	12 x 12 x 1.5	PLUNGE TIP
Head Cap Screws	LEU168236		M3,5x5,5 T15	
Head Cap Screws	LEU163223		M3,5x6,5 T15	
Round Head Screws	LEU167966		M4x5,9 T15	

### LEUCO Straight Knife Rabbeting Two Flute

Product



Drawing



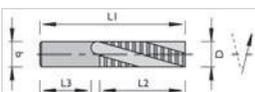
LEUCO  
DUR

Tungsten Carbide [HW]

MEC

- | Jointing, rabbeting and grooving in solid woods and wood based panels.
- | Travel plunge cut using Z, X or Y axis with cutting edge parallel to cutter axis.
- | Knife material Board 06 hard.

OD	L2	Od	L1	FLUTES	R/H PART NO.	L/H PART NO.	KNIVES	ROUND SCREWS
40	30	25	106	Z 2+2	LEU168730	LEU170815	LEU180825 29.5 x 12 x 1.5	LEU167966



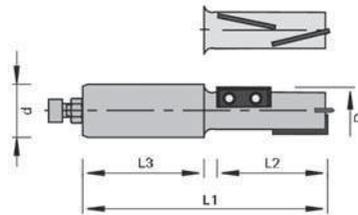
**KEY** SEE DIAGRAM ON LEFT FOR DIMENSIONS EXAMPLE.

## Replaceable Knife Router Bits

### LEUCO Shear Angle Two Flute for Panel Materials

Product

Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

ME

- | Jointing of chip free cutting edges in laminated panels with alternating shear angle.
- | Travel plunge cut using Z, X or Y axis with cutting edge parallel to cutter axis.
- | Knife material Board 03 very hard reversible knives for double edge life.
- | Chip free cutting edges.

OD	L2	Od	L1	FLUTES	R/H PART NO.	L/H PART NO.	KNIVES	PLUNGE TIP	ROUND SCREWS
16	30	25	110	Z 1+1	LEU180443	N	LEU180262 16 x 7 x 1.5		LEU180449
16	50	25	130	Z 1+1	LEU180444	N	LEU180260 28 x 7 x 1.5		LEU180449
18	50	25	130	Z 1+1	LEU180445	N	LEU180260 28 x 7 x 1.5		LEU180449
20	33	25	110	Z 2+2	LEU184252	LEU184255	LEU184257 17.5 x 7 x 1.5	LEU184259	LEU180449
<b>*20</b>	<b>53</b>	<b>25</b>	<b>125</b>	<b>Z 2+2</b>	<b>LEU184254</b>	<b>LEU184256</b>	<b>LEU184258 29.5 x 7 x 1.5</b>	<b>LEU184259</b>	<b>LEU180449</b>
30	75	25	145	Z 2+2	LEU180814	LEU80281664	LEU180815 40 x 9 x 1.5	LEU052543	LEU168236
									30mm Cutter Plunge Screw LEU180819

#### ACCESSORIES

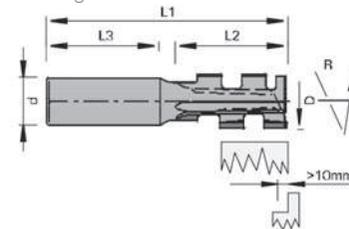
T9 Screw Driver	LEU173796
T15 Screw Driver	LEU163161

**\* Most Popular**

### LEUCO DIAMAX Shear Angle Diamond

Product

Drawing



LEUCO  
DIAMAX

Polycrystalline Diamond [DP]

MEC

- | Jointing, rabbeting and grooving in raw, melamine, HPL laminated, foiled and veneered panels
- | HW tungsten tip for travel plunge cutting using Z and X axis
- | Large alternating shear angle for optimum cutting quality and smooth running thanks to 3 wing design
- | Increased chip removal from large spiral gullet
- | Resharpenable area 1.2mm

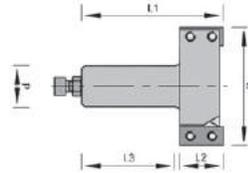
OD	L2	Od	L1	FLUTES	R/H PART NO.	L/H PART NO.
12	22	12	67	Z 1+1		
12	28	16	83	Z 1+1	LEU183435	
16	35	16	90	Z 1+1	LEU183432	LEU183433
18	43	25	110	Z 1+1	LEU183418	LEU183419
20	52	25	120	Z 1+1	LEU183416	LEU183417
20	28	20	95	Z 1+1	LEU183797	
20	35	20	102	Z 1+1	LEU183798	
20	52	25	120	Z 1+1	LEU183416	

## LEUCO Straight Knife Surfacing of Sacrificial Beds

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MEC

| Jointing, rabbeting and planing in solid woods and wood based panels.  
| Knife material Board 05 medium.

OD	L2	Od	L1	FLUTES	R/H PART NO.	L/H PART NO.	KNIVES	ROUND SCREWS
80	30	25	89	Z 2	LEU168732		LEU180825 29.5 x 12 x 1.5	LEU167966

### ACCESSORIES

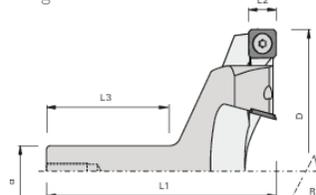
T15 Screw Driver LEU163161

## LEUCO Planing and Rabbeting Shank-Type CutterHeads HW

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MEC

| CNC routers  
| For planing, rabbeting and panel raising in wood-based panels  
| High milling performance when dressing the workbench boards, e.g. with Nesting technology  
| Smooth surface thanks to special cutting edge geometry

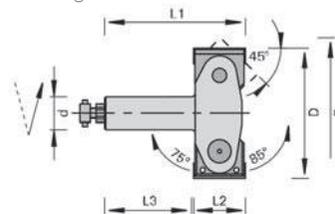
OD	L2	Od	L3	L1	Z( No of Teeth)	PART NO
100	14	25	55	96	4	LEU182620
150	14	25	55	113	4	LEU182621

## LEUCO Pivoting Chamfer

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MAN

| Chamfering and panel raising in solid woods and wood based panels.  
| Rabbeting when used with knife LEU171149.  
| Chamfer angle adjustable from 0-85° on high precision scale.  
| Not suitable for mitre joints.

OD	L2	Od	L1	FLUTES	R/H PART NO.	L/H PART NO.	KNIVES	SCREWS	CLAMPING WEDGES
100	40	25	110	Z 2	LEU172271	N	LEU164078 40 x 12 x 1.5 LEU171149 39.5 x 12 x 1.5	LEU180214	LEU172272

### ACCESSORIES

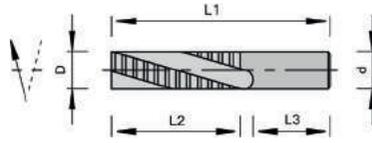
Screwdriver	LEU166090	SPECIAL SCREW	LEU172113 M8 x 25
Cranked Wrench Key	LEU009677	SPECIAL SCREW	LEU172921 M8 x 19
		SPECIAL BOLT	LEU173449 18 x 59.5
		SPECIAL NUT	LEU173450 M8 x 11.5

## LEUCO Roughing Cutters with solid carbide body - Positive Spiral (Upcut)

Product



Drawing



Solid Tungsten Carbide

MEC

Machine / Application

- | CNC routers.
- | For rough cutting in solid woods, plywood and uncoated panels.
- | For cutting of openings and contours.
- | Travelling plunge cut using Z and X or Y axis.

Design

- | Positive spiral for tightly clamped workpieces face side down
- | n max = 30,000 min-1

Advantages

- | High hogging volume.
- | optimum upward chip evacuation thanks to positive spiral

Notes

- | Slightly rough cutting surface due to fine cut division.

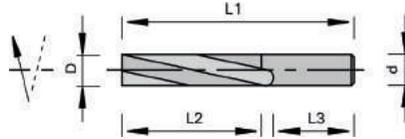
D	L2	d	L3	L1	Z	UPCUT PART NO
16	55	16	48	110	3	LEU178314
20	55	20	50	115	3	LEU178319
25	55	25	50	115	4	LEU178324

## LEUCO Finishing Cutters with solid carbide body - Positive spiral (Upcut)

Product



Drawing



Solid Tungsten Carbide

MEC

Machine / Application

- CNC routers.
- For finish cutting in solid woods and plastics
- For cutting of openings and contours
- Traveling plunge cut using Z and X or Y axis

Design

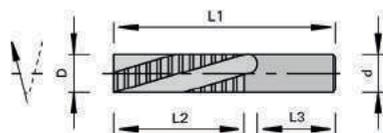
- | Positive spiral for tightly clamped workpieces face side down
- | n max = 30,000 min-1

Advantages

- | Optimal upward chip evacuation thanks to positive spiral

D	L2	d	L3	L1	Z	PART NO (L)	PART NO(R)
16	35	16	48	90	3		LEU178341
16	55	16	48	110	3	LEU178348	LEU178345
18	55	18	48	115	3		LEU178351
20	55	20	50	115	3		LEU178353
20	75	20	50	135	3		LEU178355

## LEUCO Roughing Cutters with solid carbide body - negative spiral (Downcut)



Machine / Application

- | CNC routers.
- | For rough cutting in solid woods, plywood and uncoated panels
- | For cutting of openings and contours
- | Traveling plunge cut using Z and X or Y axis

Design

- | Negative spiral for smaller work pieces hard to clamp with face side up
  - | n max = 30,000 min-1
- Advantages
- | High hogging volume
  - Cutting pressure towards the bottom thanks to negative spiral

D	L2	d	L3	L1	Z	DOWNCUT PART NO
16	55	16	48	110	3	LEU178312
20	55	20	50	115	3	LEU178320
20	75	20	50	135	3	LEU178323

## Replaceable Knife Router Bits

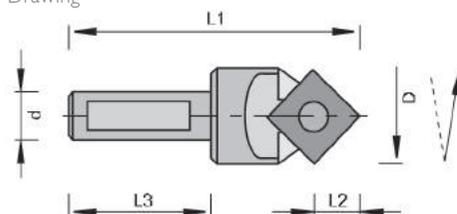
### ORNAMENTAL GROOVE CUTTERS

#### Ornamental Groove Cutters with HW TOK

Product



Drawing



Tungsten Carbide [HW]

MAN

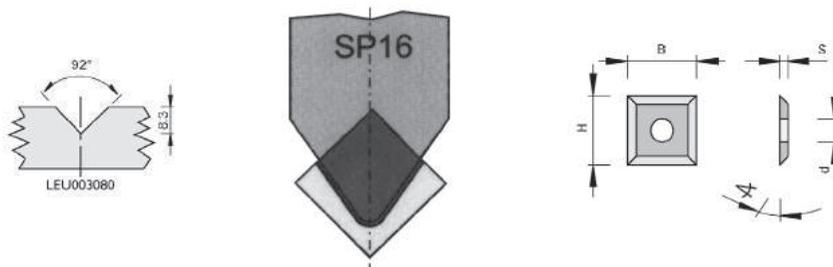
- | Ornamental grooving, inscriptions and engravings in solid woods and wood based panels.
- | Negative shear angle provides chip free cutting.
- | Profiling v groove able to be customised.
- | Board 05 medium knives.

OD	L2	Od	L1	FLUTES	R/H PART NO. KNIVES	KNIFE GRADE	CAP SCREWS
17	8.3	10	48	Z I	LEU171169	05 MEDIUM	LEU163223
					LEU180820	03 HARD	

#### ACCESSORIES

T15 screw driver LEU163161

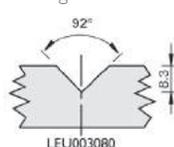
**Standard profiles available.**



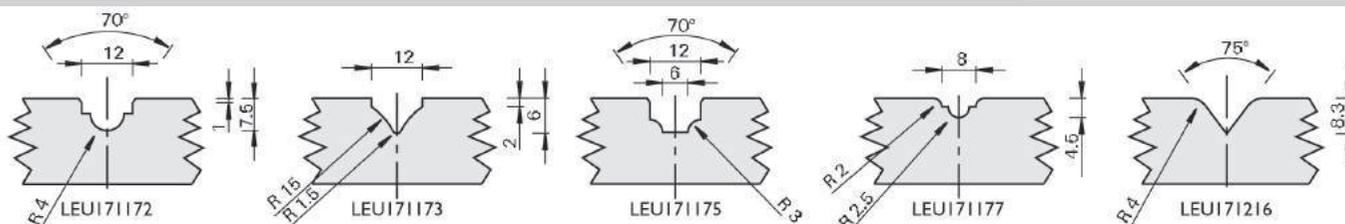
Product



Drawing



Tungsten Carbide [HW]



#### KNIVES

LEU171172	12 x 12 x 1.5
LEU171173	12 x 12 x 1.5
LEU171175	12 x 12 x 1.5
LEU171177	12 x 12 x 1.5
LEU171216	12 x 12 x 1.5

## Profiling Router Bits

### LEUCO Super Profiler

The ultimate profiling system for hardwood, softwood, MDF, chipboard and hardboard.

- **Mirror Finish**
  - unmatched quality of cut
  - no sanding required
  - saves time and money
- **Long Tool Life**
  - greater efficiency and further cost reduction
  - less down time
- **CNC or Moulders**
  - mechanical or manual feed with shaft or with bore



Leuco Super Profiler offers maximum flexibility with interchangeable knives and backing plates while retaining all of the typical LEUCO qualities of special knife grades offering better finish and longer life as well as absolute precision and running accuracy.

Leuco is known throughout the world for its innovative developments which help the end user to succeed in the evermore competitive marketplace. This is equally true for profiling tools for solid wood and other panel materials. The Leuco Super Profiler is a high precision tool manufactured with a three point setting for locating the knives which guarantees excellent concentricity. This combined with Leucodur carbide profile knives provides you with unmatched mirror finish quality in timber, MDF, chipboard or hardboard.

Leuco has a specific grade of carbide for all possibilities from HL-Board 01 for extremely hard materials, HL-Board 03 for abrasive tropicals and MDF, HL-Solid 20 for hardwoods to HL-Solid 60 for softwoods. There are many more grades of Leuco carbide to match precisely with the type of product. This approach provides the ultimate cutting production quality and dramatically enhances the performance life of the knives.

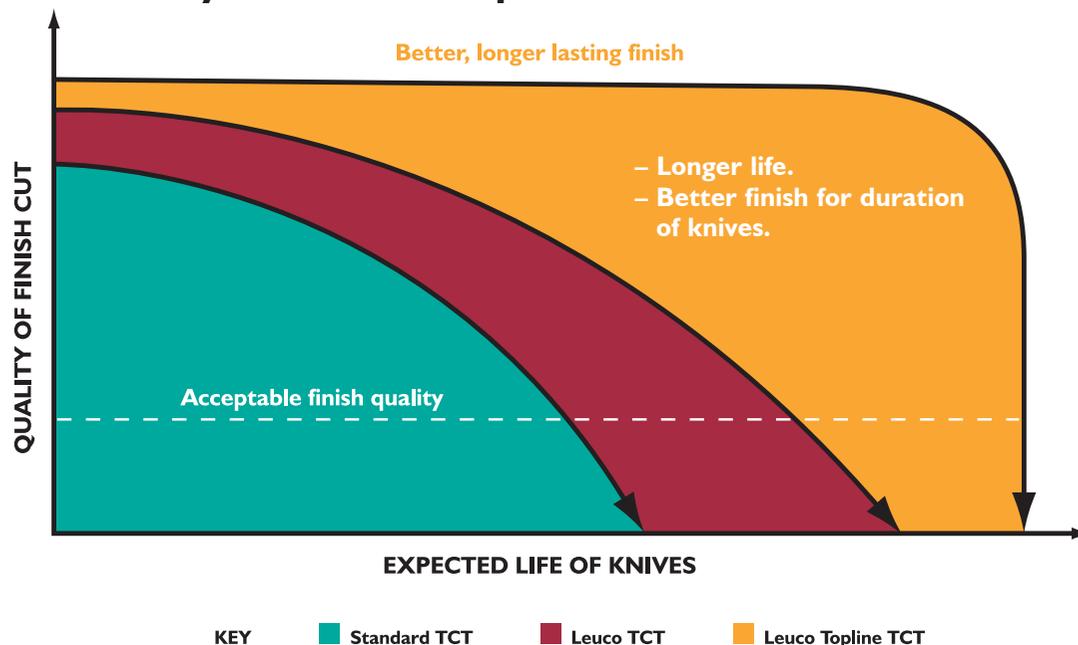
#### Mirror finish LEUCODUR Carbide Profile Knives for solid wood and MDF.

- Even higher tool-life values, resulting in greater efficiency and further cost reduction.
- Even better quality of cut, no sanding of the workpiece required. Saves time and money.

LEUCO customers report up to 100% higher tool life in softwood, hardwood and medium-density fibreboard with mirror-smooth LEUCODUR Carbide Profiles.



### Why use Leuco Topline Polished Knives?



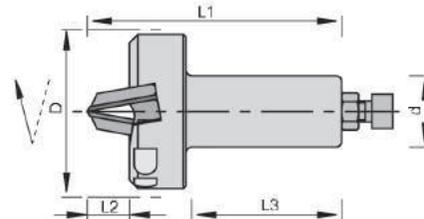
## Profiling Router Bits

### LEUCO Ornamental Groove Superprofiler

Product



Drawing



**SUPER  
PROFILER**

Tungsten Carbide [HW]

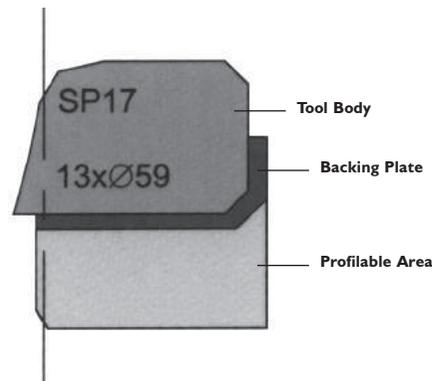
MEC

- | Ornamental grooves and profiles in solid wood and wood based panels.
- | Positive shear angle provides chip and tear free cutting eliminating sanding.
- | Board 06 hard knives for long life and optimum cutting.
- | Board 60 for softwoods for long life and optimum cutting.
- | Can be profiled to customer specifications.

OD	L2	Od	L1	FLUTES	R/H	KNIVES	KNIFE GRADE	SUPPORT PLATES	SET SCREWS	CLAMPING BARS	
59	13	25	97	Z 2	LEU173268	LEU179114	30.6 x 25.5 SP17	06 HARD	LEU178017	LEU180002	LEU173276
						LEU177369	30.6 x 25.5 SP17	60 SOFT			

#### ACCESSORIES

Screwdriver LEU166090



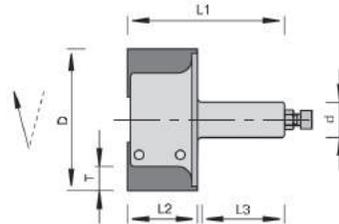
## Profiling Router Bits

### Super Profiler

Product



Drawing



**SUPER  
PROFILER**

Tungsten Carbide [HW]

MEC

- | Profiling solid woods and wood based panels.
- | Board 06 hard knives for long life and optimum cutting.
- | Board 60 for softwoods for long life and optimum cutting.
- | Can be profiled to customer specifications.

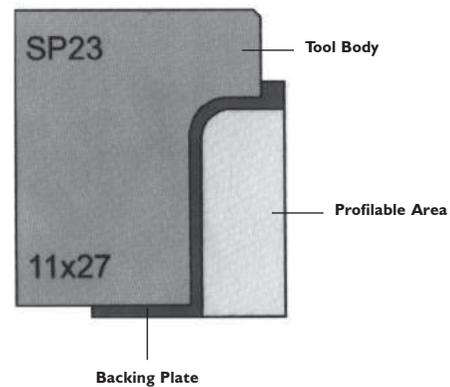
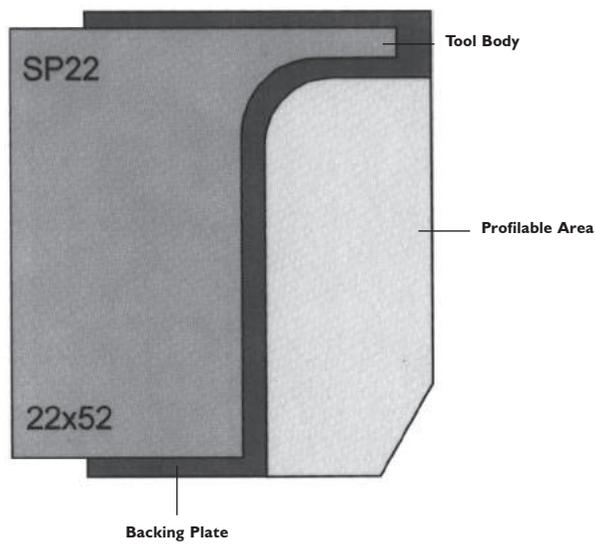
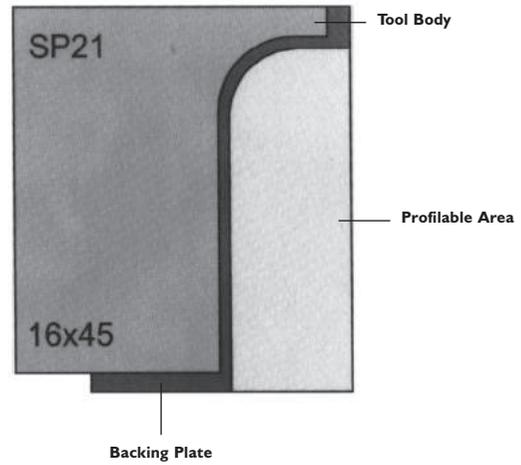
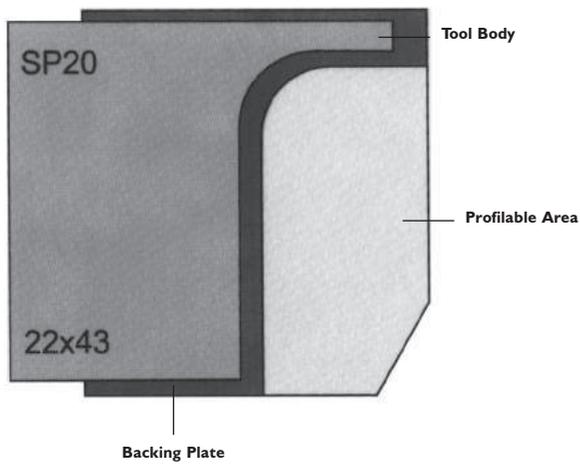
OD	L2	Od	L1	FLUTES	R/H	KNIVES	KNIFE GRADE	SUPPORT PLATES	SET SCREWS	CLAMPING BARS	
60	30	16	90	Z=2	LEU171033	LEU179114	30.6 x 25.5 SP23	06 HARD	LEU178016	LEU180002	LEU171035
						LEU177369	30.6 x 25.5 SP23	60 SOFT	LEU178016		
						LEU178701	30.6 x 25.5 SP23	06 TOPLINE L/H			
						LEU178702	30.6 x 25.5 SP23	60 TOPLINE R/H			
						LEU177789	30.6 x 25.5 SP23	06 TOPLINE L/H			
						LEU177790	30.6 x 25.5 SP23	60 TOPLINE R/H			
100	50	25	112	Z=2	LEU171143	LEU180199	49.3 x 33.7 SP21	06 HARD	LEU178015	LEU164422	LEU171147
						LEU180208	49.3 x 33.7 SP21	06 TOPLINE L/H			
						LEU180209	49.3 x 33.7 SP21	06 TOPLINE R/H			
120	50	25	109	Z=2	LEU173271	LEU180218	49.4 x 44.5 SP20	06 HARD	LEU178014	LEU164422	LEU171140
120	60	25	118	Z=2	LEU173270	LEU179999	60.6 x 45.6 SP22	06 HARD	LEU178010	LEU164422	LEU167055
						LEU178845	60.6 x 45.6 SP22	60 SOFT			
						LEU180034	60.6 x 45.6 SP22	06 TOPLINE L/H			
						LEU180035	60.6 x 45.6 SP22	60 TOPLINE R/H			
						LEU180040	60.6 x 45.6 SP22	06 TOPLINE L/H			
						LEU180041	60.6 x 45.6 SP22	60 TOPLINE R/H			

#### ACCESSORIES

Screwdrivers	LEU166090	SW3
	LEU166091	SW4

## Profiling Router Bits

### LEUCO Super Profiler



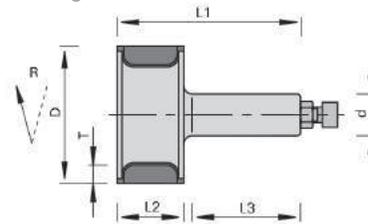
## Profiling Router Bits

### LEUCO Super Profiler

Product



Drawing



**SUPER  
PROFILER**

Tungsten Carbide [HW]

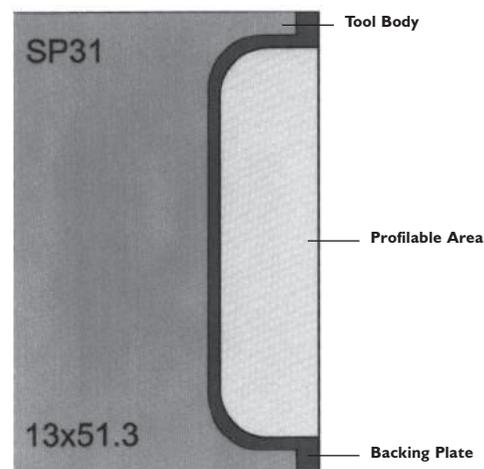
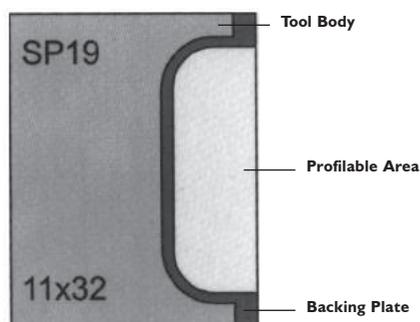
MEC

- | Profiling solid woods and wood based panels.
- | Board 06 hard knives for long life and optimum cutting.
- | Board 60 for softwoods for long life and optimum cutting.
- | Can be profiled to customer specifications.

OD	L2	Od	L1	FLUTES	R/H	KNIVES	KNIFE GRADE	SUPPORT PLATES	SET SCREWS	CLAMPING BARS	
82	40	25	110	Z=2	LEU167834	LEU179112	40.6 x 28.2 SP19	06 HARD	LEU178007	LEU164422	LEU166737
						LEU177367	40.6 x 28.2 SP19	60 SOFT	LEU178007	LEU164422	
						LEU178627	40.6 x 28.2 SP19	06 TOPLINE L/H			
						LEU178626	40.6 x 28.2 SP19	60 TOPLINE R/H			
						LEU177791	40.6 x 28.2 SP19	06 TOPLINE L/H			
						LEU177808	40.6 x 28.2 SP19	60 TOPLINE R/H			
86	60	25	130	Z=2	LEU176241	LEU179113	60.8 x 30.2 SP31	06 HARD	LEU178008	LEU164422	LEU166738
						LEU177368	60.8 x 30.2 SP31	60 SOFT	LEU178008	LEU164422	
						LEU178643	60.8 x 30.2 SP31	06 TOPLINE L/H			
						LEU178628	60.8 x 30.2 SP31	60 TOPLINE R/H			
						LEU177809	60.8 x 30.2 SP31	06 TOPLINE L/H			
						LEU177810	60.8 x 30.2 SP31	60 TOPLINE R/H			
82	40	25	110	Z=2	LEU167835	LEU179112	40.6 x 28.2 SP19	06 HARD	LEU178007	LEU164422	LEU166736
						LEU177367	40.6 x 28.2 SP19	60 SOFT	LEU178007	LEU164422	
						LEU178627	40.6 x 28.2 SP19	06 TOPLINE L/H			
						LEU178626	40.6 x 28.2 SP19	60 TOPLINE R/H			
						LEU177791	40.6 x 28.2 SP19	06 TOPLINE L/H			
						LEU177808	40.6 x 28.2 SP19	60 TOPLINE R/H			

#### ACCESSORIES

Screwdriver LEU166091



**KEY** CED = Cutting Edge Diameter    CEL = Cutting Edge Length (mm)    SHK = Shank Diameter (mm)    OAL = Overall Length (mm)

## Profiling Router Bits

### LEUCO Ecopro Profiler Cutterheads

#### LEUCO High Precision Cutterheads and Profile Tooling

LEUCO Germany is world renowned for manufacturing quality tooling to provide our industry with a wide range of: profiling knives; turn over knives; shank type cutters; cutterheads and saw blades. They give superb performance, superior cutting speeds and finish quality, resulting in longer tool life, saving you time and money.

The high precision, machining accuracy and range of tungsten carbides to suit the different materials used, enable the ultimate finish to be achieved. Different carbide grades are used for machining – MDF, Chipboard, Hardwoods, Softwoods, Laminate Abrasives and Aluminium.

LEUCO's three point setting system ensures excellent concentricity and with no run out, the machine will run smoother providing the optimum finish.

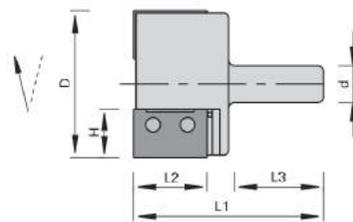
Using the correct tooling designed for the job, results in a higher feed rate, a quality finish and longer tool life, all leading to greater efficiency. *Talk to our company representatives to discuss your material types and configurations, so we can recommend a product to meet your requirements.*



Product



Drawing



Tungsten Carbide [HW]

MEC

- | Profiling solid wood and wood based panels cutterhead designated for one profile only.
- | Board 06 hard knives for long life and optimum cutting.
- | Board 60 for softwoods for long life and optimum cutting.
- | Shear angle available on request.
- | Cutterhead and knives profiled to customers specifications.

OD	L2	H	Od	L1	Z	R/H PART NO.	FOIL	KNIFE DIMENSIONS B H		HL BOARD 06 PART NO.	HL SOLID 60 PART NO.
62	30	25	25	107	2	LEU178375	EP375	30.2	25.5	LEU178527	LEU179527
71	30	30	25	107	2	LEU178376	EP376	30.2	30.4	LEU178528	LEU179528
52	40	20	25	117	2	LEU178377	EP377	40.1	20.9	LEU178533	LEU179533
71	40	30	25	117	2	LEU178378	EP378	40.1	30.4	LEU178534	LEU179534
52	50	20	25	127	2	LEU178379	EP379	49.9	20.9	LEU178539	LEU179539
75	50	33	25	127	2	LEU178380	EP380	49.9	33.0	LEU178540	LEU179540
71	30	25	25	107	2	LEU178381	EP381	30.2	25.5	LEU178527	LEU179527
81	30	30	25	107	2	LEU178382	EP382	30.2	30.4	LEU178528	LEU179528
62	40	20	25	119	2	LEU178383	EP383	40.1	20.9	LEU178533	LEU179533
81	40	30	25	117	2	LEU178384	EP384	40.1	30.4	LEU178534	LEU179534
62	50	20	25	127	2	LEU178385	EP385	49.9	20.9	LEU178539	LEU179539
85	50	33	25	127	2	LEU178386	EP386	49.9	33.0	LEU178540	LEU179540
75	41	32.5	25	118	2	LEU180328	EP478	41.0	32.5	LEU180197	–
85	41	32.5	25	118	2	LEU180329	EP484	41.0	32.5	LEU180197	–
85	61	34	25	137	2	LEU181246	EP405	61.0	34.0	LEU180198	–

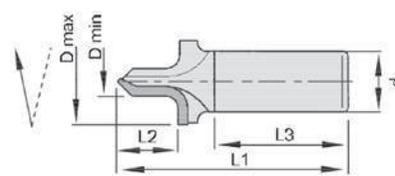
## Profiling Router Bits

### Diaprofiler

Product **LEUDPIA**



Drawing



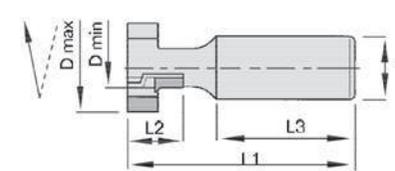
Polycrystalline Diamond [DP]

MEC

Product **LEUDPIB**



Drawing



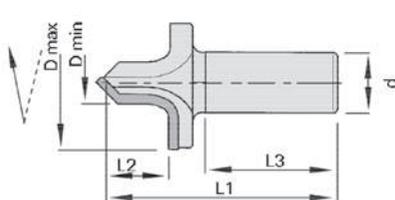
Polycrystalline Diamond [DP]

MEC

Product **LEUDPIC**



Drawing



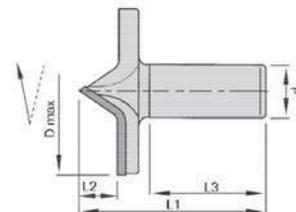
Polycrystalline Diamond [DP]

MEC

Product **LEUDPICK**



Drawing



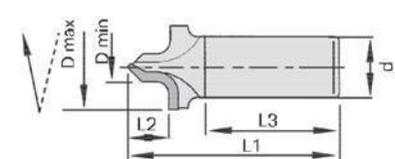
Polycrystalline Diamond [DP]

MEC

Product **LEUDPIM**



Drawing



Polycrystalline Diamond [DP]

MEC

- | Profiling of raw and laminated panels.
- | Resharpenable area 2.0mm.
- | Overlap free cutting from continuous pcd tablets.
- | Optimum cutting quality due to polished face.
- | Tool can be manufactured to customer specification.

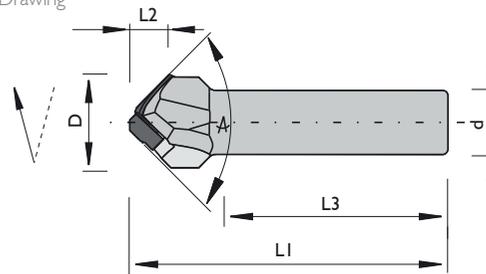
**Sample profile only. Many shapes and sizes available. Please talk to one of our experienced professionals for more information.**

## LEUCO V-Groove Cutter DP for Aluminium Composite Materials

Product



Drawing



Machine / Application

- | CNC machines
- | for V-grooves in aluminum composite materials (Aluco-bond, Dibond, etc.)

Design

- | cutting material: DP
- | Topline design
- | resharpening area 2 mm

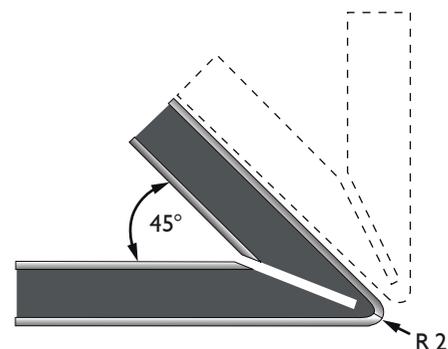
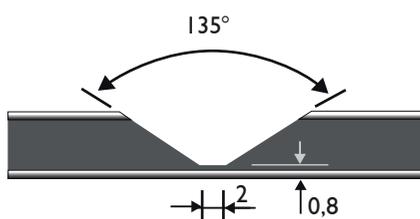
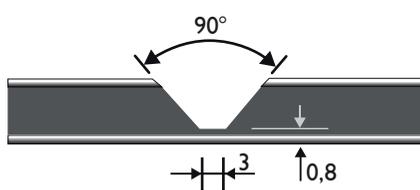
Advantages

- | very long edge lives particularly in composite materials with mineral core
- | optimal cutting quality thanks to polished face and special division of cut

Notes

- | clamping elements: ideal use in precision clamping elements e.g. ps-System, Tribos or heat-shrinking chuck

Ø D	L2	L3	Ø D	L1	Z	PART NO
18	7,5	40	12	60	1 + 1	LEU185025
32 [mm]	6,2 [mm]	40 [mm]	12 [mm]	60 [mm]	1 + 1	LEU185196



## 3 Cutters with Bore

### 3-1 AMAC

Profile Heads	3-1
Serrated Heads	3-1
Spiral Heads	3-2
Reference Engraver , Copy Collars	3-3

### 3-2 LEUCO

Rebate Heads, Pivoting Heads	3-4
Glue Joint Mitre Lock	3-5

### 3-3 ROBSIN

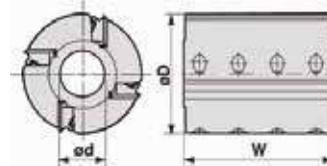
Tenon Heads Standard	3-6
Tenon Heads Ogee	3-7
Tenon Heads Standard Double Glaze	3-8
Tenon Heads Ogee Double Glaze	3-9

### 3-4 LEUCO

Super Profiler Head	3-10
Super Profiler Knives	3-11
Ecopro Heads	3-12
Leuco Panel Raising Heads, Ecopro Knives	3-13
Gopol Panel Raising & Special Heads	3-14
Edge Bander Radius Heads	3-15
Finger Jointing Heads & Diamond Milling Heads	3-16



## FCB Series Flat Cutterhead



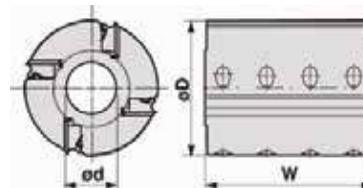
| FCB with straight bore that can fit in spindle moulders and 4 siders

Model	øD	W	ød	Wings	Max Steel Thickness
<b>*AMAFCB0805</b>	<b>85</b>	<b>50</b>	<b>31.75</b>	<b>2T</b>	<b>5mm</b>
AMAFCB1005	100	50	31.75	4T	3mm
AMAFCB1008	100	76	31.75	4T	3mm
AMAFCB1010	100	100	31.75	4T	3mm
AMAFCB1015	100	150	31.75	4T	3mm
AMAFCB-1223	125	230	40	4T	3mm

**\*Most Popular**

Accessories	Picture	Size
AMAA0313		M12 x 20
AMAA0401		5 x 150

## FBB Series Serrated Back Cutterhead



| FBB with straight bore that can fit in spindle moulders for big profiles and 4 sider machines  
| Standard specifications with single or dual angle 12/20 degrees of FBB are normally in stock

Model	øD	W	ød	Wings
AMAFBB1005	102	50	31.75	4T
AMAFBB1008	102	76	31.75	4T
AMAFBB1010	102	100	31.75	4T
AMAFBB1015	102	150	31.75	4T
AMAFBB1205	122	50	40	4T
AMAFBB1208	122	76	40	4T
AMAFBB1210	122	100	40	4T
AMAFBB1213	122	130	40	4T
AMAFBB1223	122	230	40	4T

Accessories	Picture	Size
AMAA0313		M12 x 20
AMAA0401		6 x 150

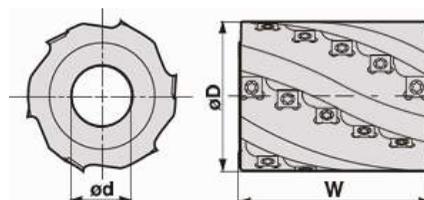


## SPB Series Spiral Cutterhead

Product



Drawing



- | SPB with straight bore that can fit in spindle moulders or 4 sides
- | Aluminium body
- | T.C.T knife size 14 x 14 x 2.0 mm

Model	øD	W	ød	Wings
AMASPB1005A	100	50	31.75	6T
AMASPB1008A	100	80	31.75	6T
AMASPB1010A	100	100	31.75	6T
AMASPB1013A	100	130	31.75	6T
AMASPB1015A	100	150	31.75	6T
AMASPB1210A	125	100	40	6T
AMASPB1213A	125	130	40	6T
AMASPB1215A	125	150	40	6T
AMASPB1218A	125	180	40	6T
AMASPB1223A	125	230	40	6T

### Accessories

### Picture

### Size

LEU003079



14 x 14 x 2.0

AMAA0301



M6 x 15

AMAA0406



○ 70

AMAA0411



★ T20

*Scribers can be fitted*

**PART NO: ROBENGSCRIBER**

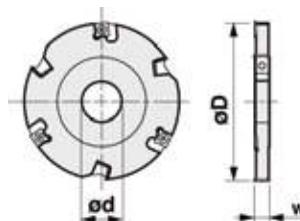


## RE Series Reference Engraver

Product



Drawing



Model	øD	W	ød	Wings	V
AMARE-1512	150	12	40/50	3T	3V
AMARE-1512	150	12	40/50	4T	4V
AMARE-1514	150	14	40/50	3T	3V
AMARE-1514	150	14	40/50	4T	4V

### Accessories

### Picture

### Size

LEU003080		12 x 12 x 1.5
LEU003079		14 x 14 x 2.0
AMAA0205		15 x 13 x 14
AMAA0310		M8 x 20
AMAA0305		M6 x 8
AMAA0406		70
AMAA0411		★ T20

## Copy Collar

B mm	DESCRIPTION	D mm	PART NO.
85	Copy Collar	31.75	ROBSMC085B
100	Copy Collar	31.75	ROBSMC100B
120	Copy Collar	31.75	ROBSMC120B

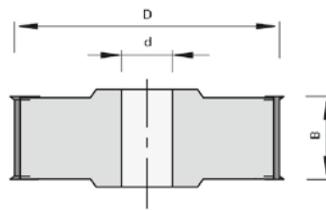


## LEUCO Jointing/Rebating Cutterheads

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MAN

Machine / Application

| Spindle Moulder

Design

| Cutting edges parallel to cutter axis.  
| Cutting material: HW HL Board 05.

Notes

| Application against feed.

D	B	d	z	PART NO.
<b>*85</b>	<b>50</b>	<b>30</b>	<b>2 + 4</b>	<b>LEU167038</b>
125	30	30	2 + 4	LEU167041
125	50	30	2 + 4	LEU167043
125	50	30	4 + 4	LEU167046

### REPLACEMENT PARTS

WIDTH	HEIGHT	THICKNESS		PART NO.
14	14	2	Spurs	LEU003079
30	12	1.5	TOK knives	LEU003083
50	12	1.5	TOK knives	LEU003085
M6	x 12	Clamping	Screws	LEU180214
M6	x 16	Clamping	Screws	LEU001617
M5	x 10.8	Spur	Screws	LEU180840
		3x100	T-handle	LEU166090

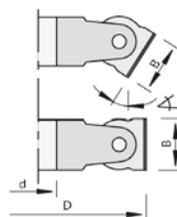
**\* Most Popular**

## LEUCO Pivoting Cutterhead

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MAN

Machine / Application

| Table shapers.  
| For chamfering, jointing and rabbeting with adjustable chamfer angle in solid woods and in veneered and plastic-coated panels.

Design

| Cutting edges parallel to cutter axis.  
| Cutting material: HW HL Board 05.

Notes

| Application against feed.  
| Rabbeting with additional spur.  
| Pivot range up to 60°.  
| Ø 120 mm chamfer angle adjustable from 5° to 5°.  
| Ø 150 mm chamfer angle adjustable from 1° to 1°.

D	B	d	z	PART NO.
150	50	30	2	LEU179185

### REPLACEMENT PARTS

WIDTH	HEIGHT	THICKNESS		PART NO.
14	14	2	Spurs	LEU003079
40	12	1.5	TOK knives	LEU164078
50	12	1.5	TOK knives	LEU003085
M6	16	Clamping	Screws	LEU001617

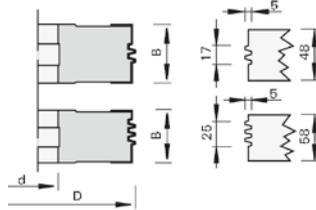
## PROFILING

### LEUCO Glue Joint Profile Cutterheads

Product



Drawing



Tungsten Carbide [HW]

MAN

Machine / Application

- | Molders.
- | Table shapers.
- | For cutting of edge glue joints in solid woods.

Design

- | Cutting edges parallel to cutter axis.
- | n = 5,700 - 9,800 min-1

Advantages

- | Continuous high profile accuracy thanks to turnover knives.

Notes

- | Application against feed.
- | Fit of joints can be defined by moving the knives sideways by means of dials (see spare parts).
- | When delivered, tool is set to 0.3mm joint play.

D	B	d	z	PART NO.
135	50	30	Z2	LEU177007
135	60	30	Z2	LEU177008

#### REPLACEMENT PARTS

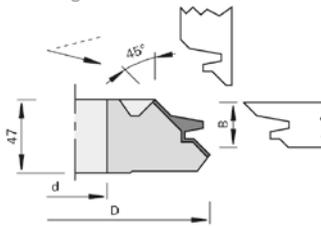
WIDTH	HEIGHT	THICKNESS		PART NO.
50	x 23	2	Knives	LEU180431
60	x 23	2	Knives	LEU180432
M8	x 26	hex	Screws	LEU180340
		sw4x100	Screwdriver	LEU166091

### LEUCO Mitre Lock

Product



Drawing



Tungsten Carbide [HW]

MAN

Machine / Application

- | Molders.
- | Table shapers.
- | For cutting of mitre lock joints in solid woods and wood-based panels.

Design

- | Body made from high-strength aluminium alloy.
- | Cutting edges parallel to cutter axis.
- | n = 4,600 - 7,800 min-1

Advantages

- | Continuous high profile accuracy thanks to profile knives.

Notes

- | Application against feed.
- | Wood thickness approx. 15mm to max. 26mm.

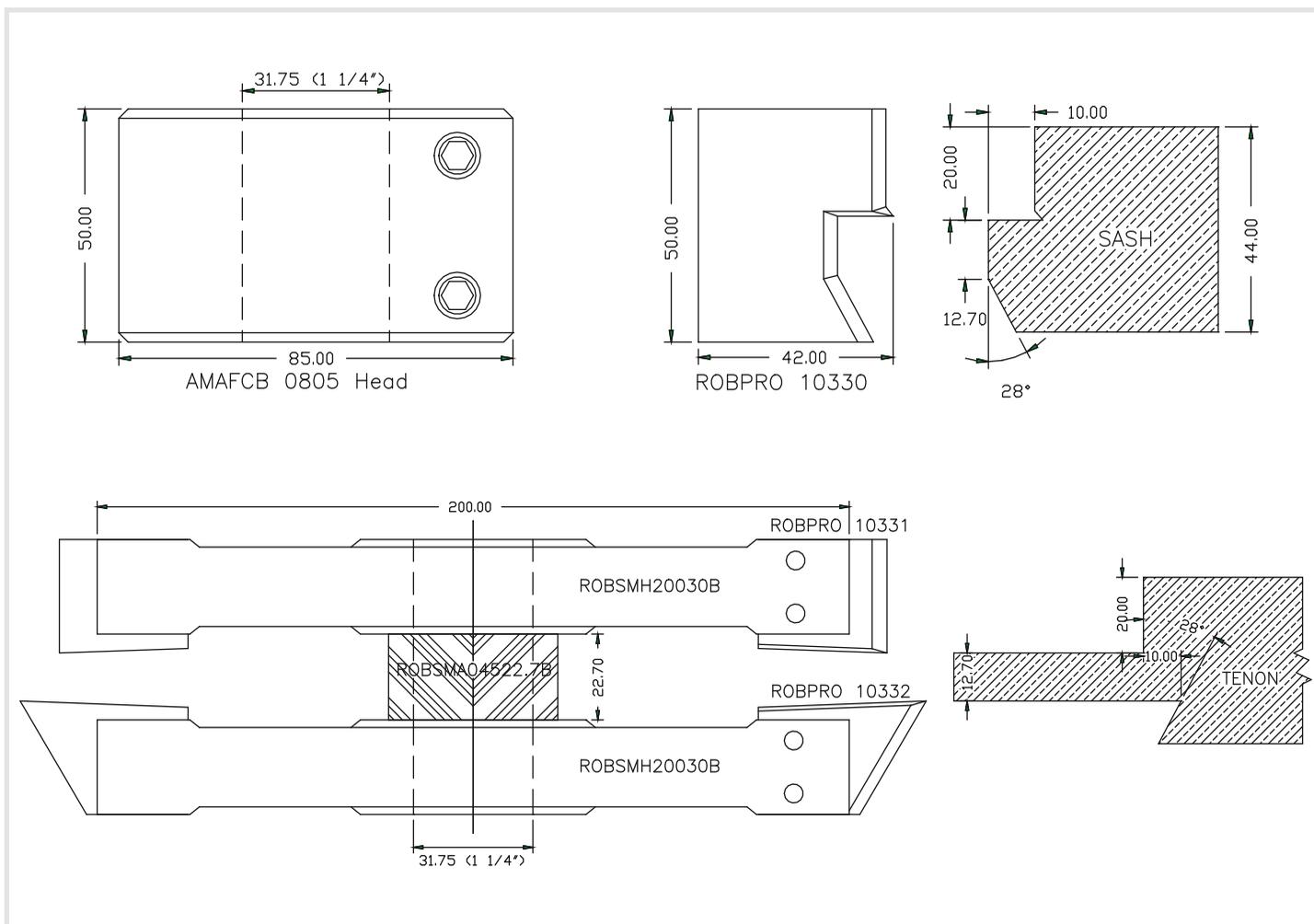
D	B	d	z	PART NO.
170	26	30	2+2	LEU176097

#### REPLACEMENT PARTS

WIDTH	HEIGHT	THICKNESS		PART NO.
4.6/2.8		4.6	Grooving Knife	LEU180500
39.5	12	1.5	Mitre Knives	LEU165916
M8	x 26		Clamping screws	LEU180340
M5	x 10.8	Spur	Screws	LEU180840
		4x100	T-handle	LEU166091
		T15 x 100	Screwdriver	LEU180470

## Tenon And Sash

### Single Glaze (Standard)

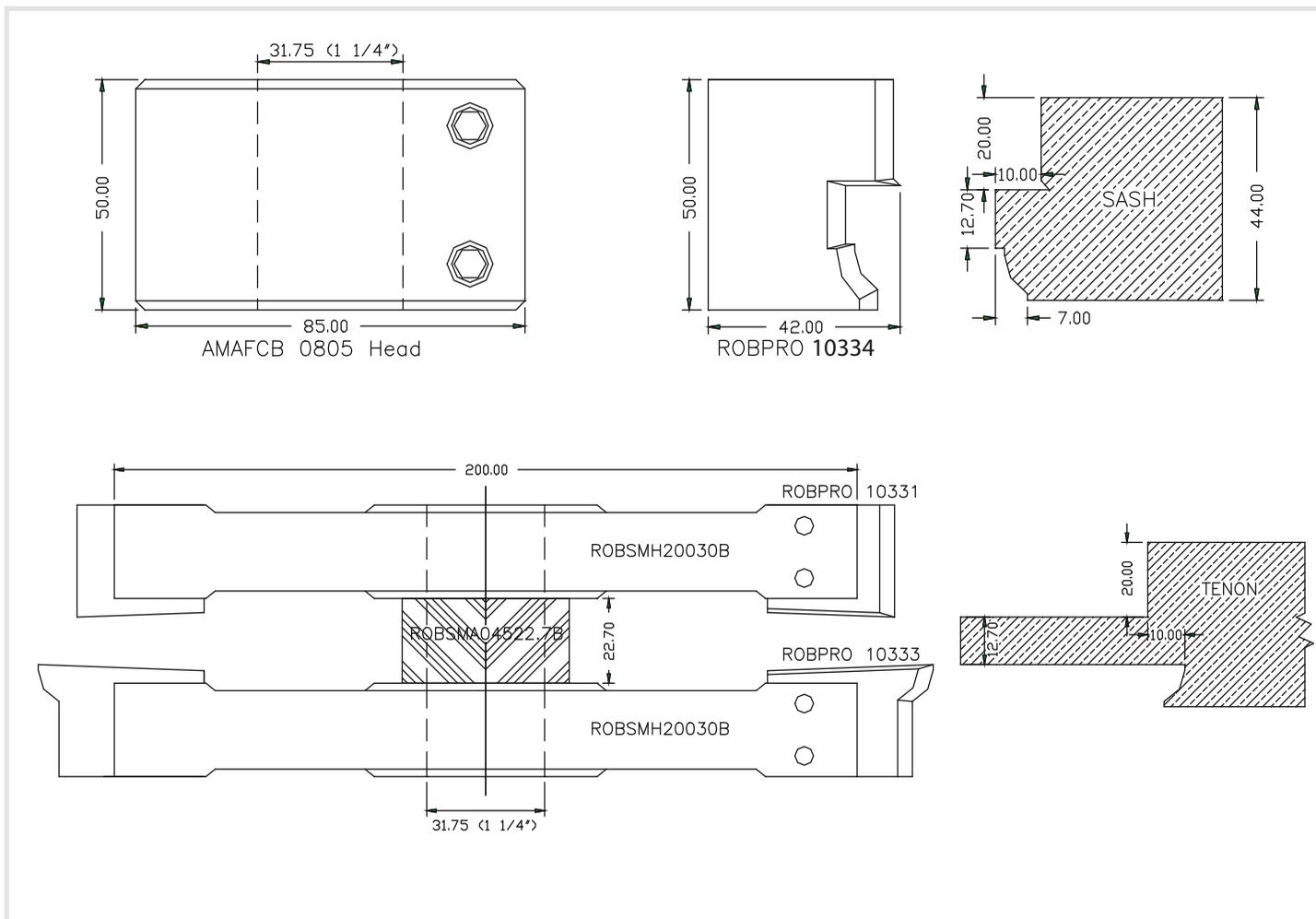


### Tenoning Head Set

DIAMETER	WIDE	BORE	Wings	PART NO
85	50	31.75	2	AMAFCB-0805
200	30	31.75	2	ROBSMH20030B

## Tenon and Sash

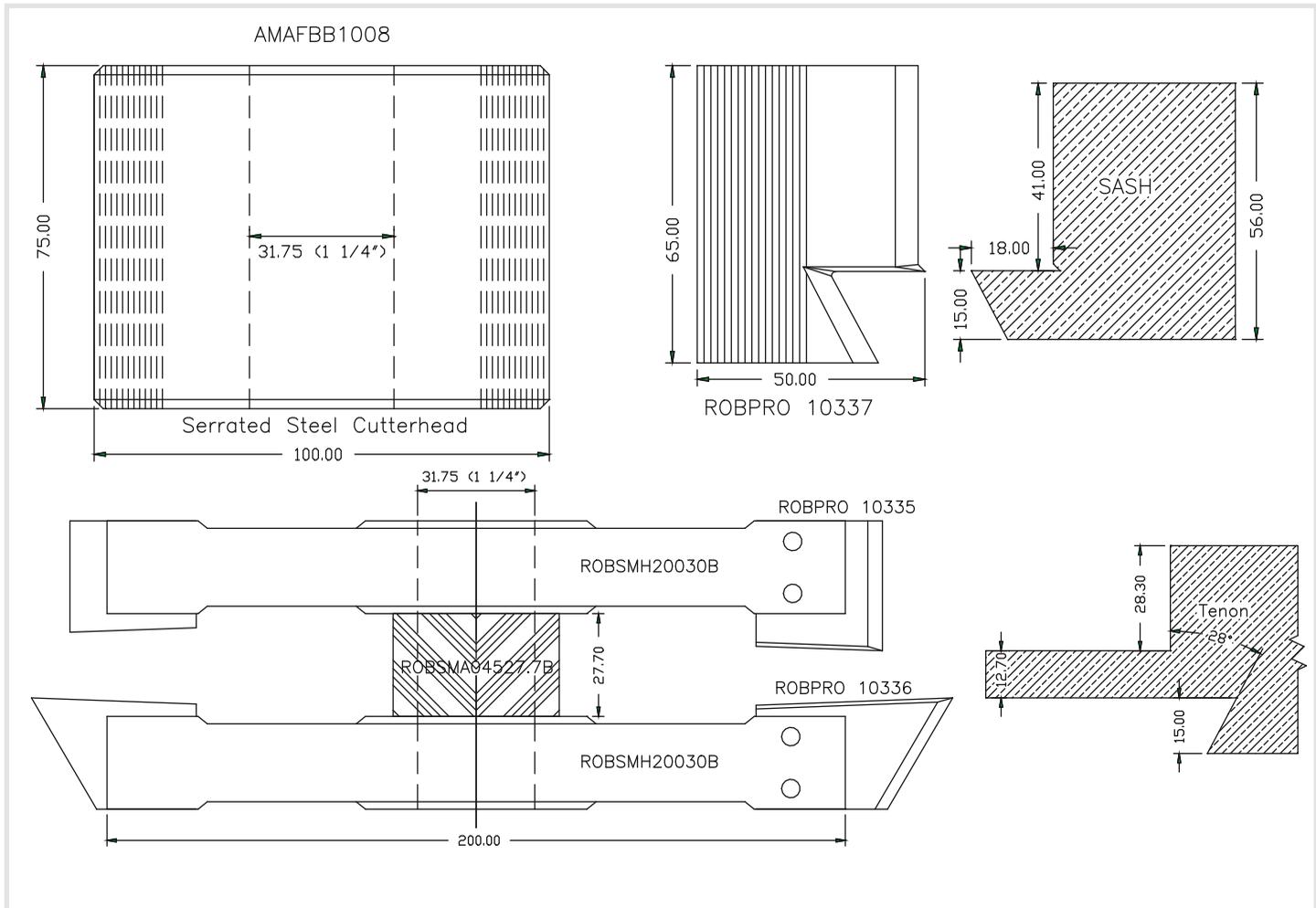
### Single Glaze (Ogee)



**(Interchangable with Standard Knives)**

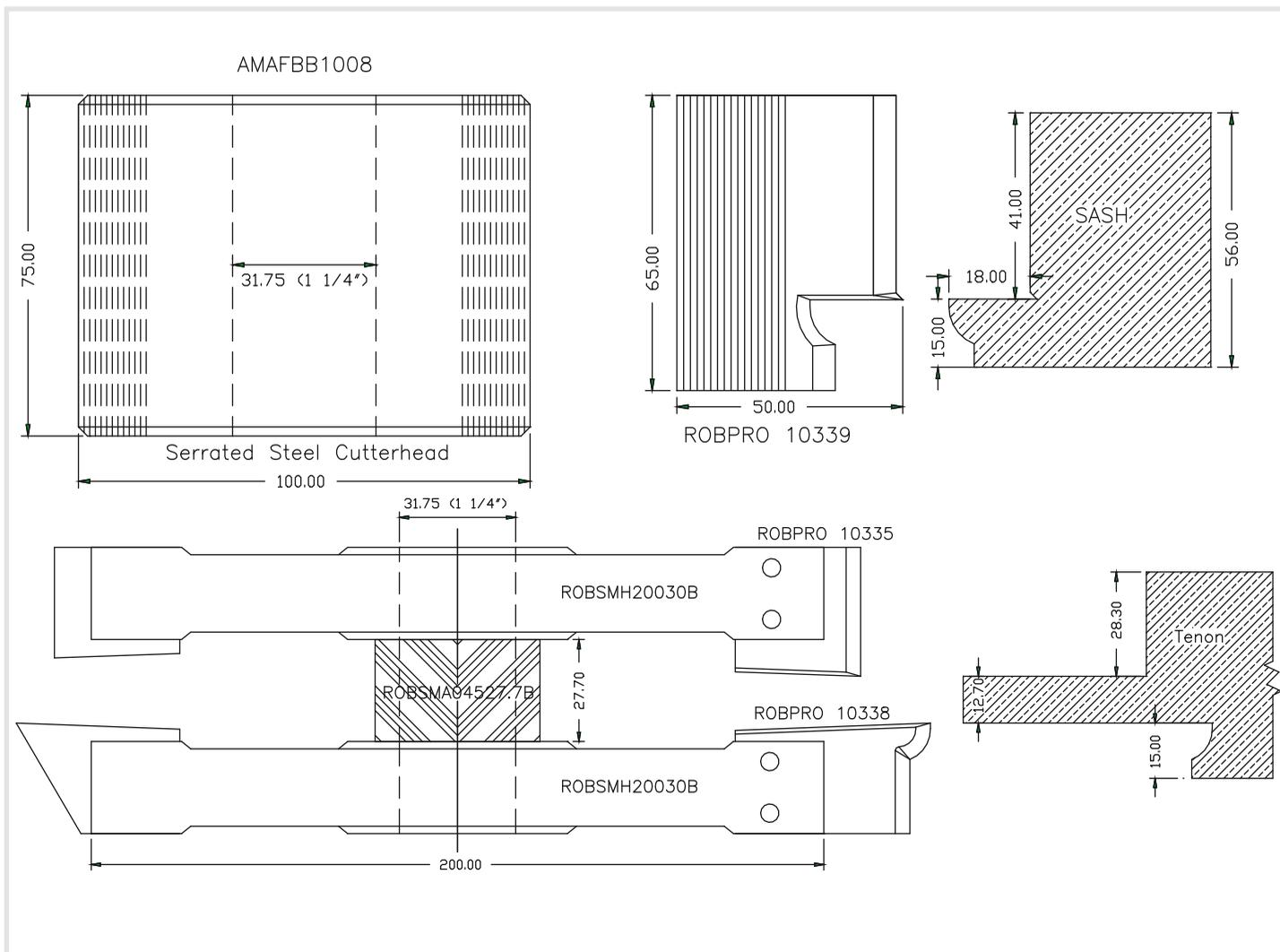
## Tenon and Sash

### Double Glaze (Standard)



## Tenon and Sash

### Double Glaze (Ogee)



**(Interchangeable between Single Glaze & Double Glaze)**

## PROFILING

### LEUCO Super Profiler

The ultimate profiling system for hardwood, softwood, MDF, chipboard and hardboard.

- **Mirror Finish**
  - unmatched quality of cut
  - no sanding required
  - saves time and money
- **Long Tool Life**
  - greater efficiency and further cost reduction
  - less down time
- **CNC or Moulders**
  - mechanical or manual feed with shaft or with bore

LEUCO Super Profiler offers maximum flexibility with interchangeable knives and backing plates while retaining all of the typical LEUCO qualities of special knife grades offering better finish and longer life as well as absolute precision and running accuracy.

Leuco is known throughout the world for its innovative developments which help the end user to succeed in the evermore competitive marketplace. This is equally true for profiling tools for solid wood and other panel materials. The Leuco Super Profiler is a high precision tool manufactured with a three point setting for locating the knives which guarantees excellent concentricity. This combined with Leucodur carbide profile knives provides you with unmatched mirror finish quality in timber, MDF, chipboard or hardboard.

Leuco has a specific grade of carbide for all possibilities from HL-Board 01 for extremely hard materials, HL-Board 03 for abrasive tropicals and MDF, HL-Solid 20 for hardwoods to HL-Solid 60 for softwoods. There are many more grades of Leuco carbide to match precisely with the type of product. This approach provides the ultimate cutting production quality and dramatically enhances the performance life of the knives.

#### Mirror finish LEUCODUR Carbide Profile Knives for solid wood and MDF.

- Even higher tool-life values, resulting in greater efficiency and further cost reduction.
- Even better quality of cut, no sanding of the workpiece required. Saves time and money.

LEUCO customers report up to 100% higher tool life in softwood, hardwood and medium-density fibreboard with mirror-smooth LEUCODUR Carbide Profiles.

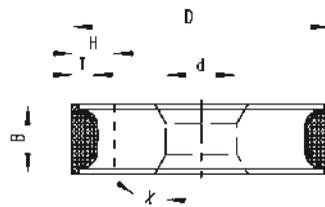


### LEUCO Profiling Heads

Product



Drawing



**SUPER PROFILER**

Tungsten Carbide [HW]

MEC

Machine / Application

- | Double end tenoners.
- | Molders.
- | Profiling unit and length processing unit IMA.
- | For profiling of solid woods and wood-based panels.

Design

- | Cutting edges parallel to cutter axis.
- | Cutting material: HW HL Board 06 for hardwoods and wood-based panels.
- | Cutting material: HW HL Solid 60 for softwoods.

Advantages

- | Cutterhead for mounting of several profile knives.

Notes

- | Profile knife can be profiled per customer specifications.
- | Included in delivery: cutterhead with clamping elements, without profile knives and support plates.

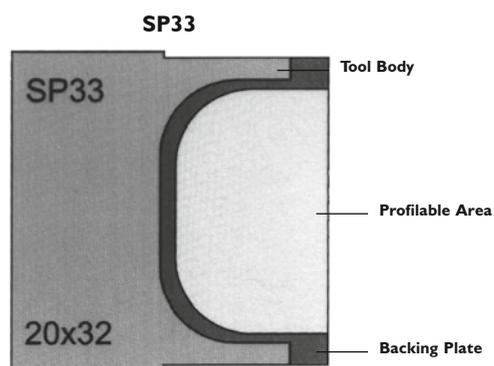
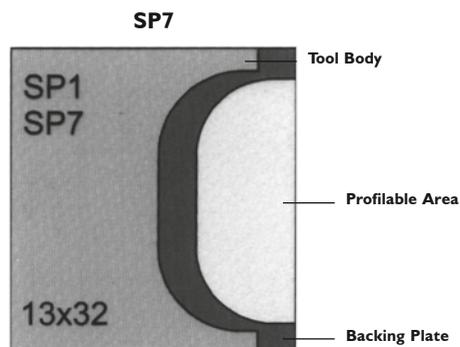
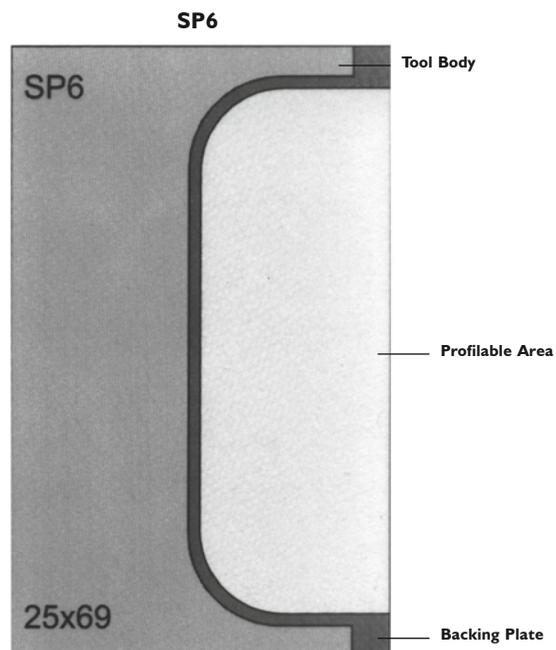
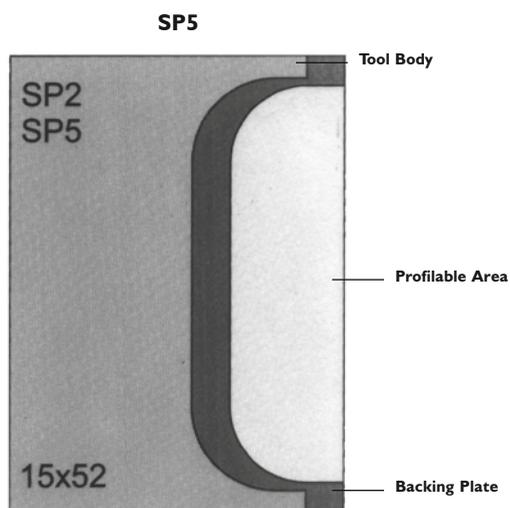
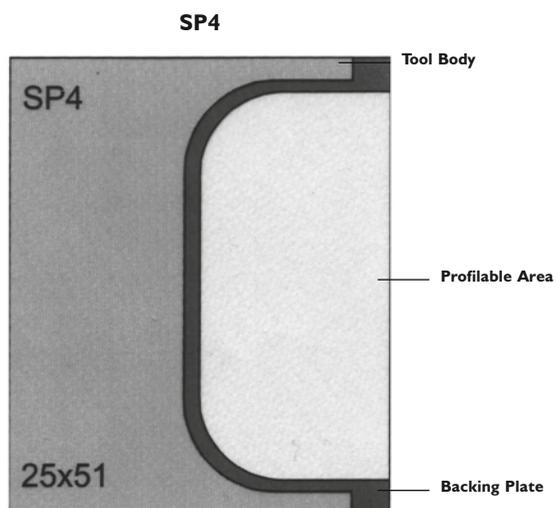
D	B	d	TEETH	PART NO.	KNIVES		SUPPORT PLATES
					BOARD 06	SOLID 60	
125	40	31.75	Z2 Profile SP7	LEU167440	LEU179112	LEU177367	LEU178007
*125	60	31.75	Z2 Profile SP5	LEU167442	LEU179113	LEU177368	LEU178008
150	40	31.75	Z3 Profile SP7	LEU176184	LEU179112	LEU177367	LEU178007
150	60	40	Z3 Profile SP5	LEU166977	LEU179113	LEU177368	LEU178008
*150	60	31.75	Z3 Profile SP4	LEU176230	LEU179999	LEU178845	LEU178009
165	40	30	Z3 Profile SP33	LEU176088	LEU179115	LEU178844	LEU178006
180	80	40	Z3 Profile SP6	LEU167993	LEU180016	LEU180017	LEU178007

\* Most Popular

## PROFILING

### REPLACEMENT PARTS

				PART NO.
M8	x 20	Clamping	Screws	LEU001625
		4x100	T-handle	LEU166091



## PROFILING

### LEUCO Ecopro Profiler Cutterheads

#### LEUCO High Precision Cutterheads and Profile Tooling

LEUCO Germany is world renowned for manufacturing quality tooling to provide our industry with a wide range of: profiling knives; turn over knives; shank type cutters; cutterheads and saw blades. They give superb performance, superior cutting speeds and finish quality, resulting in longer tool life, saving you time and money.

The high precision, machining accuracy and range of tungsten carbides to suit the different materials used, enable the ultimate finish to be achieved. Different carbide grades are used for machining – MDF, Chipboard, Hardwoods, Softwoods, Laminate Abrasives and Aluminium.

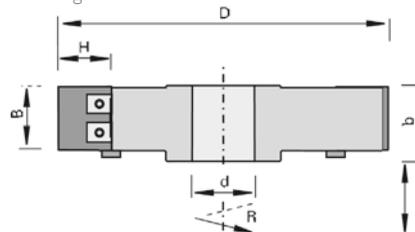
LEUCO's three point setting system ensures excellent concentricity and with no run out, the machine will run smoother providing the optimum finish.

Using the correct tooling designed for the job, results in a higher feed rate, a quality finish and longer tool life, all leading to greater efficiency. **Talk to our company representatives to discuss your material types and configurations, so we can recommend a product to meet your requirements.**



Product

Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MAN

Machine / Application

- | Machining centres.
- | Double end tenoners.
- | Molders.
- | Table shapers.
- | For profiling of solid woods and wood-based panels.

Design

- | Special aluminum cutterhead body.
- | Cutting edges parallel to cutter axis.
- | Cutting material: HW HL Board 06 for hardwoods and wood-based panels.
- | Cutting material: HW HL Solid 60 for softwoods.

Advantages

- | Cutterhead body and knives will be profiled according to customer specifications.
- | Shear angle for premium finish available.

Notes

- | Profile knives can be profiled according to customer specifications.
- | Cutterhead body can be used only for one profile
- | Sense of rotation according to DIN-EN 50144.

D	B	d	DRAWING	PART NO.
125	30	30	Z3 Profile EP382	LEU179050
125	40	30	Z3 Profile EP384	LEU179051
125	50	30	Z3 Profile EP386	LEU179052
150	30	30	Z3 Profile EP382	LEU179053
150	40	30	Z3 Profile EP384	LEU179054
150	50	30	Z3 Profile EP386	LEU179055
180	30	30	Z4 Profile EP382	LEU179056
180	40	30	Z4 Profile EP384	LEU179057
180	50	30	Z4 Profile EP386	LEU179058
125	30	30	Z2 Profile EP382	LEU179087
125	40	30	Z2 Profile EP384	LEU179088
125	50	30	Z2 Profile EP386	LEU179089
150	30	30	Z2 Profile EP382	LEU179090
150	40	30	Z2 Profile EP384	LEU179091
150	50	30	Z2 Profile EP386	LEU179092
180	30	30	Z2 Profile EP382	LEU179093
180	30	30	Z3 Profile EP382	LEU179094
180	40	30	Z2 Profile EP384	LEU179095
180	40	30	Z3 Profile EP384	LEU179096
180	50	30	Z2 Profile EP386	LEU179097
180	50	30	Z3 Profile EP386	LEU179098
M4.5	4.5 x 9	T15	Screws	LEU178239
		T15X80	T-handle	LEU171188

## PROFILING

**EP382**

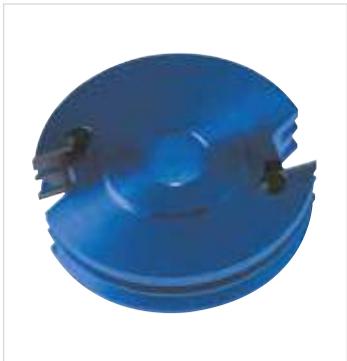
**EP384**

**EP386**

**Many more sizes and shapes available. Please contact us for special requirements.**

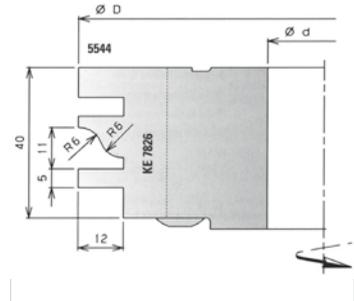
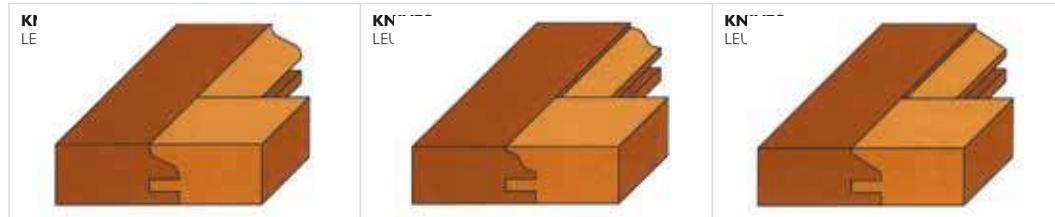
## LEUCO Style and Rail Cutterhead

- Longitudinal and Counter Profiles for:
- Corner joints on doors, furniture parts and cassetts.
  - Light alloy body - twin knives.
  - Chip thickness limitation.
  - 3 different profiles available (by simply changing knives).
  - Cutterhead equipped with K7826.



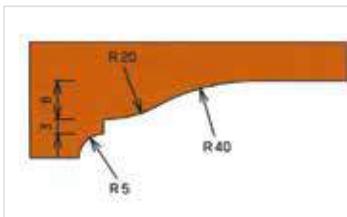
### DIMENSIONS

D mm	B mm	d mm	d MAX mm	Z	NMIN-NMAX MIN-I	PART NO.
130	40	30	40	2	6,000-8,700	LEU50664010



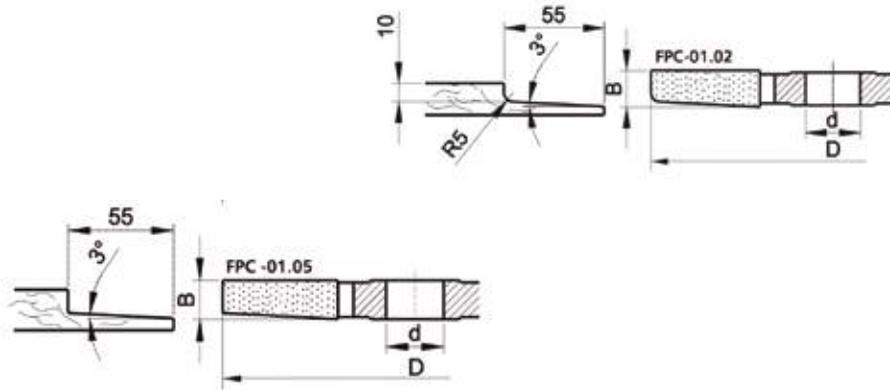
## LEUCO Panel Raising Head

DESCRIPTION	PART NO.
Panel Raising Head	LEU50660035
Panel Raising Knife	LEU80084632
Circumference Knife	LEU179335





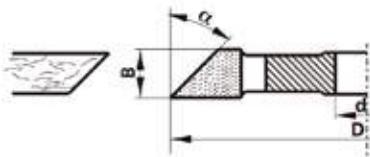
## Panel Raising Cutters TCT



D	B	d	z	PART NO
200	20	30	4	GOPFPC0102
200	20	30	4	GOPFPC0105



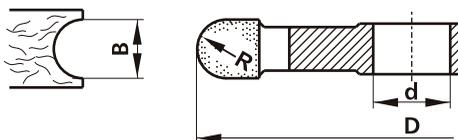
## 45° Cutters TCT



D	B	d	z	45° Anticlockwise	PART NO
125	25	30	4		GOPFPA0801HM



## Bull Nose Cutters TCT



R	D	B	d	z	n max	PART NO
4	125	8	30	4	9	GOPFPA0501HM1258
5	125	10	30	4	9	GOPFPA0501HM12510

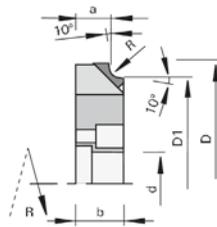


## EDGE BANDING

### LEUCO Edge Bander Rounding Cutters (Diamond) – Homag, Vector

Product

Drawing



LEUCO  
DIAMAX

LEUCO  
topline

Polycrystalline Diamond [DP]

MEC

Machine / Application

| Edge banding machines  
 Homag machining center.  
 | For rounding of solid  
 wood, veneer and plastic  
 edge bands.

Design

| Polished face.  
 | High-finish clearance angle.  
 | With shear angle.  
 | n max = 24,000 min-1

Advantages

| Optimum cutting quality.

Notes

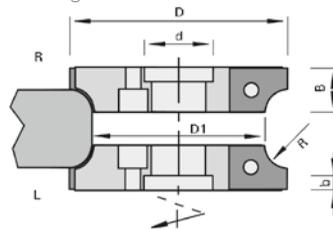
| Constant basic dimensions  
 a and D1.  
 | Sense of rotation according  
 to DIN-EN 50144.

R	OD	D I	a	b	z	L/H	R/H
2	57	50	11	14	3	LEU179416	LEU179417
3	57	50	11	14	3	LEU179418	LEU179419

### LEUCO Edge Rounding Cutterheads (Tungsten) – Homag, Vector

Product

Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MAN

Machine / Application

| Edge banding machines  
 Homag machining center.  
 | For rounding of solid  
 wood, veneer and plastic  
 edge bands.

Design

| Cutting edges parallel to cutter axis.  
 | Cutting material: HW HL Board 05.  
 | n max = 18,000 min-1

Notes

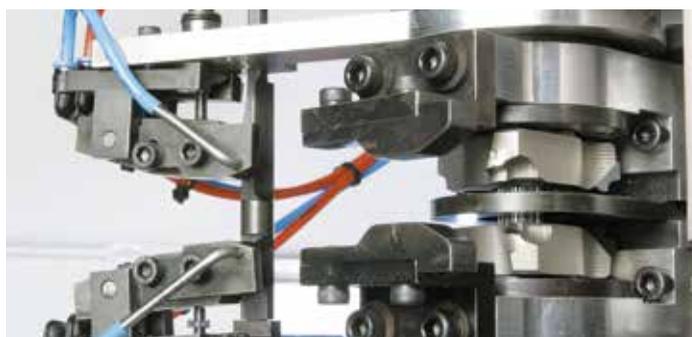
| Same cutterhead body for R 1.5-3mm; R 4-5mm.  
 | Sense of rotation according to DIN-EN 50144

R	OD	D I	B	b	z	L/H	R/H
2	59	50	13	4	3	LEU180749	LEU180748
3	59	50	13	4	3	LEU180751	LEU180750

#### REPLACEMENT KNIVES

R	WIDTH	HEIGHT	THICKNESS	L/H	R/H
2	13	15	2	LEU181956	LEU181955
3	13	15	2	LEU181957	LEU181958

Leuco Diamond heads as used in the latest Vector Contour Edge Bander.

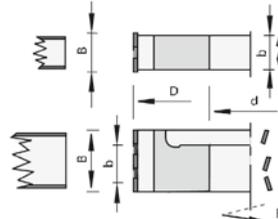


## LEUCO Diamond Cutterhead for Edgebander

Product



Drawing



LEUCO  
DIAMAX

Polycrystalline Diamond [DP]

MEC

Machine / Application

| Through feed machines.  
 | For chip-free jointing and  
 rabbeting of melamine, paper,  
 HPL-laminated, veneered panels.

Design

| Crowned design.  
 | Opposing shear angle.  
 | Spiral cutting layout.  
 | Resharpenable area 1.5mm.

Advantages

| Optimum gluing of edges.  
 | Noise reduced.

Notes

| Sense of rotation according to DIN-EN 50144.

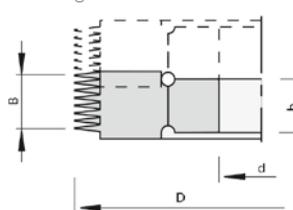
D	B	b	d Z	MACHINE	L.H.S PART NO	R.H.S PART NO
60	64	62	25 2+2	Felder/Format 4	LEU184651	LEU184650
85	45	45	30 3+3	Ott	LEU184647	LEU184646
85	65	45	30 3+3	Ott	LEU184649	LEU184648
100	34	37.6	30 3+3	IMA, Brandt	LEU184673	LEU184672
100	45,5	61	30 2+2	EBM / Hebrock	LEU184287	LEU184288
100	48	40.6	30 3+3	IMA, Brandt, SCM, Biesse	LEU184210	LEU184211
100	48	25	30 2+2	HOLZ-HER up to 2008, SCM-Stefani	LEU184283	LEU184284
100	63	39.5	30 2+2	HOLZ-HER	LEU184279	LEU184280
100	63	40.6	30 3+3	Brandt	LEU184212	LEU184213
100	64	25	30 2+2	HOLZ-HER up to 2008, SCM-Stefani	LEU184281	LEU184282
100	64	40.6	30 3+3	SCM-Stefani	LEU184285	LEU184286
125	28	37.6	30 3+3	Homag	LEU184645	LEU184645
125	43	40	30 3+3	Homag	LEU184029	LEU184029
125	48	57	30 3+3	IMA	LEU184208	LEU184209
125	63	40	30 3+3	Homag	LEU184030	LEU184030

## LEUCO Finger Joint Cutters

Product



Drawing



High Speed Steel [HS]

MEC

Machine / Application

| Finger joint machines.  
 | Machines with cross-cutting device.  
 | For longitudinal joints in softwoods.

Notes

| For machines with crosscutting device, finger length 4/4,5,  
 10/11, 15/16, 5, 20/22.  
 | For machines without crosscutting device, finger length  
 10/10, 15/15, 20/20.

D	B	d	z	LTH	PART NO.
160	28.6	50	2+2	10/10	LEU175740
160	32.4	50	2+2	10/11	LEU178966
170	28.6	50	2+2	15/15	LEU175742
180	33	50	2+2	20/20	LEU175744

## 4 Replacable Knives and Knife Steel

<b>4-1 Solid Tungsten Carbide Technical Information</b>	<b>4-1</b>
Replaceable Knives Straight	4-2
Replaceable Knives Straight	4-3
Replaceable Knives Straight	4-4
Replaceable Knives Profile	4-5
Replaceable Knives Profile	4-6
Replaceable Knives Profile	4-9
<b>4-2 Machine Knife Steel</b>	
Amac & Leuco Buzzer Thicknesser Planer Blades	4-10
Hand Planer Blades & Super Profiler Blanks	4-11
<b>4-3 Spindle Moulder Knives</b>	
Tongue and Groove	4-13
Profiling	4-14
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Edge Forming	4-18
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Handrails	4-20
Nosing	4-21
Rounding Over/Under Profiles	4-24
Sash / Sill & Door	4-27
Trenching	4-28

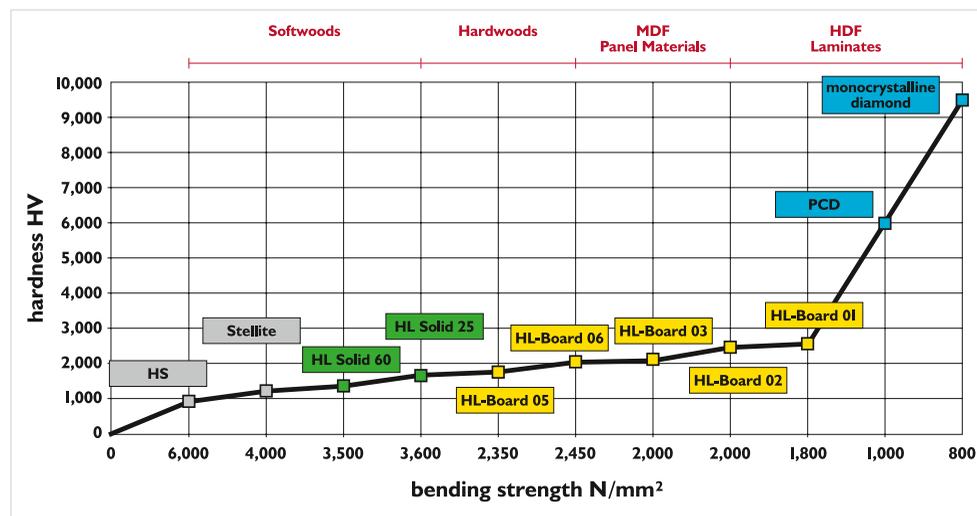


## Technical Information

The multitude of **materials to be machined** and the various kinds of applications, make different demands on the **cutting edge material** and the **cutting edge geometry**.

Where as softwoods require a **small hook** angle, hardwoods and panel materials require a **larger hook** angle due to the increased hardness and strength of the more wear resistant carbide.

The chart shows the hardness and bending strength of the most popular cutting edge materials.



The increase in the the **hardness** of the carbide is inevitably linked with a decrease in **bending strength**.

Bevels	Material
60-70°	Diamond
45-55°	Tungsten Carbide
40-50°	Stellite
35-45°	H.S.S.



### CUTTING MATERIAL – SOLID TUNGSTEN CARBIDE

- HL Board 01 for wood based panels and plastics.
- HL Board 02 for wood based panels and plastics.
- HL Board 03 for wood based panels and plastics.
- HL Board 05 for wood based panels, plastics, hardwoods.
- HL Board 06 for wood based panels, plastics, hard and softwoods.
- HL Board 15 for wood based panels, hard and softwoods.
- HL Board 40 for hard and softwoods.
- HW HL Board 05 for wood-based panels, plastics and hardwoods.
- HW HL Solid 25 for hard and softwoods.
- HW HL Solid 25 Topline for hard and softwoods.

#### Abrasive Panel Materials

eg: high density particle boards, high pressure laminated boards, cement-bound particle boards.

#### Panel Materials

eg: particle boards, MDF boards coated and covered hardwoods including oak, beech, teak.

#### Softwoods

eg: pine, spruce, fir.

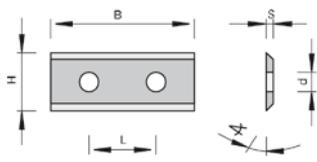
Tungsten carbide grades are destined for the use in softwoods and laminated timbers as well as in wood-based panels.

## Solid Tungsten Carbide

Product



Drawing





Tungsten Carbide [HW]

Design

I Topline (polished face and micro-ground clearance angle).

Advantages

I Long edge lives and optimum cutting quality in solid woods.

Notes

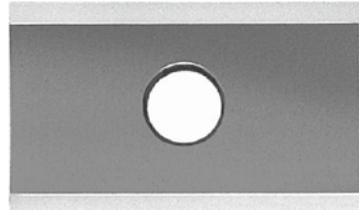
I Packing unit: 10 pieces.

B	H	S	D	L	A	GRADE	PART NO.
30	12	1.5	4	14	55	HL Board 01	LEU180223
30	12	1.5	4	14	55	HL Board 02	LEU176470
<b>*30</b>	<b>12</b>	<b>1.5</b>	<b>4</b>	<b>14</b>	<b>55</b>	<b>HL Board 05</b>	<b>LEU003083</b>
<b>*40</b>	<b>12</b>	<b>1.5</b>	<b>4</b>	<b>26</b>	<b>55</b>	<b>HL Board 05</b>	<b>LEU164078</b>
50	12	1.5	4	26	55	HL Board 01	LEU180224
50	12	1.5	4	26	55	HL Board 02	LEU176471
50	12	1.5	4	26	55	HL Board 06	LEU178289
<b>*50</b>	<b>12</b>	<b>1.5</b>	<b>4</b>	<b>26</b>	<b>55</b>	<b>HL Board 05</b>	<b>LEU003085</b>
<b>*60</b>	<b>12</b>	<b>1.5</b>	<b>4</b>	<b>26</b>	<b>55</b>	<b>HL Board 05</b>	<b>LEU003086</b>
80	13	2.2	4	59-61	55	HL Board 06	LEU003087
100	13	2.2	4	59-61	55	HL Board 06	LEU003088
120	13	2.2	4	59-61	55	HL Board 06	LEU003089

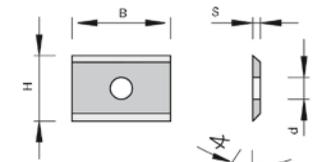
**\*Most popular**

### Turnover Knives HW with 2 Cutting Edges

Product



Drawing





Tungsten Carbide [HW]

Design

I Topline (polished face and micro-ground clearance angle).

Advantages

I Long edge life and optimum cutting quality in solid woods.

Notes

I Packing unit: 10 pieces.

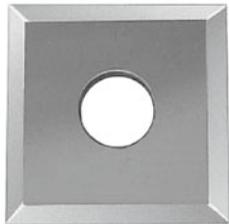
B	H	S	D	A	GRADE	PART NO.
7,6	12	1.5	4	55	HL Board 05	LEU052543
9	12	1.5	4	55	HL Board 05	LEU167256
9,6	12	1.5	4	55	HL Board 05	LEU171163
10,5	12	1.5	4	55	HL Board 05	LEU162636
11	12	1.5	4	55	HL Board 05	LEU162637
<b>*13</b>	<b>12</b>	<b>1.5</b>	<b>4</b>	<b>55</b>	<b>HL Board 05</b>	<b>LEU162638</b>
<b>15</b>	<b>12</b>	<b>1.5</b>	<b>4</b>	<b>55</b>	<b>HL Board 05</b>	<b>LEU003081</b>
15,7	12	1.5	4	55	HL Board 05	LEU163846
18	12	1.5	4	55	HL Board 05	LEU162520
20	12	1.5	4	55	HL Board 02	LEU176469
<b>*20</b>	<b>12</b>	<b>1.5</b>	<b>4</b>	<b>55</b>	<b>HL Board 02</b>	<b>LEU178287</b>
<b>20</b>	<b>12</b>	<b>1.5</b>	<b>4</b>	<b>55</b>	<b>HL Board 02</b>	<b>LEU003082</b>

**\*Most popular**

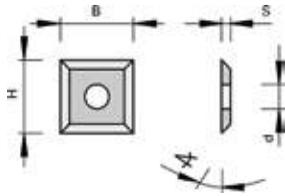
## Solid Tungsten Carbide

### Turnover Knives HW with 4 Cutting Edges

Product



Drawing



Tungsten Carbide [HW]

Design

I Topline (polished face and micro-ground clearance angle).

Advantages

I Long edge lives and optimum cutting quality in solid woods.

Notes

I Packing unit: 10 pieces.

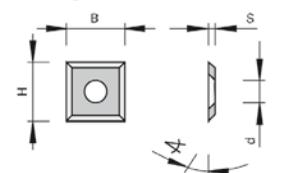
B	H	S	D	A	GRADE	PART NO.
*12	12	1.5	4	55	HL Board 05	LEU003080
17	17	2	4	35	HL Board 05	LEU162581

### Turnover Spurs HW with 4 Cutting Edges and Countersink (scribers)

Product



Drawing



Tungsten Carbide [HW]

Machine / Application

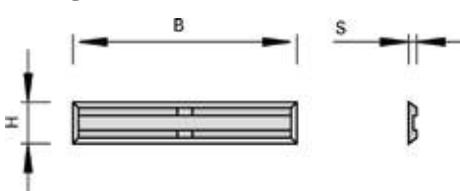
I For use in cutterheads.

B	H	S	Od	A	GRADE	PART NO.
*14	14	2	6.3	60	HL Solid 40	LEU003079

### Mini Turnover Knives with 2 Cutting Edges, End Sharpened

Product

Drawing



Tungsten Carbide [HW]

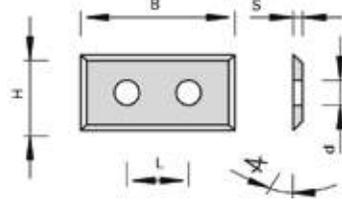
Machine / Application

I For use in shank-type router cutters

B	H	S	GRADE	PART NO.
20	4.1	1.1	HL Board 05	LEU173480
20	5.5	1.1	HL Board 05	LEU173481
25	5.5	1.1	HL Board 05	LEU173793
*30	5.5	1.1	HL Board 05	LEU173482
*50	5.5	1.1	HL Board 05	LEU173483

**\*Most popular**

## Turnover Knives HW with 2 Cutting Edges, End Sharpened



LEUCO  
DUR

Tungsten Carbide [HW]

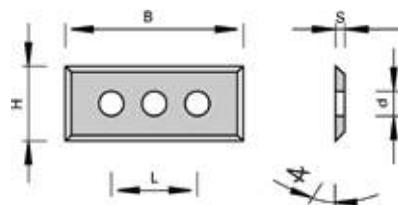
B	H	S	PART NO.				
*17,5	7	1.5	LEU184257 Shear angle cutter blades (new style 2 x cutting Edges)				
*29,5	7	1.5	LEU184258 Shear angle cutter blades (new style 2 x cutting Edges)				
39,5	9	1.5	LEU180815				
*9	9	1.5	LEU184259 Scriber shear angle cutter(new style 2 x cutting Edges)				
7,6	12	1.5	LEU052543				
B	H	S	D	L	A	GRADE	PART NO.
29,5	9	1.5	4	14	55	HL Board 03	LEU180807
39,5	9	1.5	4	26	55	HL Board 05	LEU180815
29,5	12	1.5	4	14	55	HL Board 05	LEU180825
39,5	12	1.5	4	26	55	HL Board 05	LEU171149
49,5	12	1.5	4	26	55	HL Board 05	LEU180826

\*Most popular

## Turnover Knives HW with 2 Cutting Edges, End Sharpened

Product

Drawing



LEUCO  
DUR

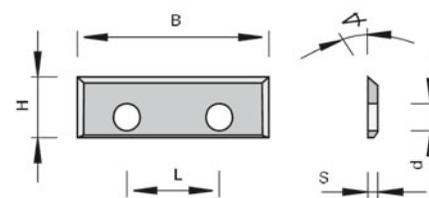
Tungsten Carbide [HW]

B	H	S	D	L	A	GRADE	PART NO.
50	12	1.7	4	37	55	HL Board 06	LEU179994

## Shear Angle Cutter Knives (Old Style Shear Angle cutter | Cutting Edge)

Product

Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

Machine / Application

I For use in shank-type cutters.

Notes

I Packing unit: 10 pieces.

B	H	S	D	L	A	GRADE	PART NO.
16	7	1.5	3,4	7	55	HL Board 03	LEU180262
28	7	1.5	3,4	14	55	HL Board 03	LEU180260

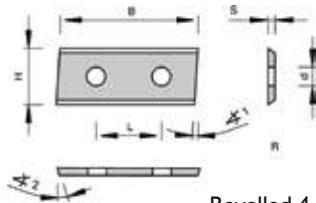
## Solid Tungsten Carbide

### Turnover Knives HW with 2 Cutting Edges, Edge Bevel and End Sharpened

Product



Drawing is right hand



Bevelled 4 sides and angled ends



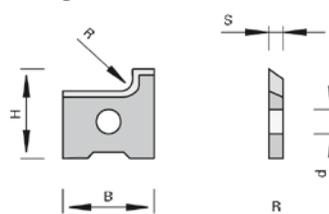
Tungsten Carbide [HW]

B	H	S	D	L	A	PART NO.	
<b>*30</b>	<b>12</b>	<b>1.5</b>	<b>4</b>	<b>14</b>	<b>55</b>	<b>LEU3083BEAL</b>	Left hand for Router Bits
30	12	1.5	4	14	55	LEU3083BEAR	
<b>*50</b>	<b>12</b>	<b>1.5</b>	<b>4</b>	<b>26</b>	<b>55</b>	<b>LEU3085BEAL</b>	
50	12	1.5	4	26	55	LEU3085BEAR	
60	12	1.5	4	26	55	LEU3086BEAL	
60	12	1.5	4	26	55	LEU3086BEAR	

### Radius Profile Knives HW with 1 Cutting Radius

Product

Drawing



Tungsten Carbide [HW]

Machine / Application

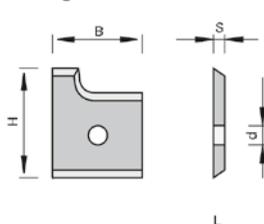
Design

I For use in edge rounding cutterheads

R	B	H	S	d	L/H PART NO.	R/H PART NO.
<b>*2</b>	<b>15</b>	<b>14.5</b>	<b>2</b>	<b>4</b>	<b>LEU177317</b>	<b>LEU177318</b>
2	16,1	14	2	4	LEU178219	LEU178218
2	19,6	15.2	2	4	LEU173817	LEU173816
2	19,6	15.2	2	4	LEU173817	LEU173816
3	15	14.5	2	4	LEU177321	LEU177322

Product

Drawing



Tungsten Carbide [HW]

Machine / Application

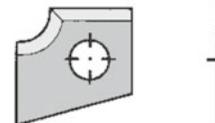
I For use in edge rounding cutterheads

R	B	H	S	d	GRADE	L/H PART NO.	R/H PART NO.
<b>*2</b>	<b>12</b>	<b>14.5</b>	<b>2</b>	<b>4</b>	<b>HL Board 05</b>	<b>LEU172142</b>	<b>LEU172141</b>
3	12	14.5	2	4	HL Board 05	LEU172144	LEU172143

**\* Most Popular**

## Radius Profile Knives with 2 Cutting Radius

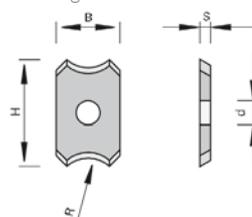
LENGTH	WIDTH	THICKNESS	MACHINE	PART NO.
16mm	17mm	2mm	Suits Casadei edge bander, left hand, 2mm radius	LINITCK55277
16mm	17mm	2mm	Suits Casadei edge bander, right hand, 2mm radius	LINITCK55278
15.5mm	15.2mm	1.5mm	Suits Tangent machine with 2mm radius	LINITCK48989



## Scraper Turnover Knives with 2 Cutting Edges and Radius – Homag, Reich

Product

Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

Machine / Application

- | Edge banding machines Homag, Reich.
- | For use in scraper holders.

Design

R	B	H	S	d	PART NO.
1	12	20	2	4	LEU169253
<b>*2</b>	<b>12</b>	<b>20</b>	<b>2</b>	<b>4</b>	<b>LEU169255</b>

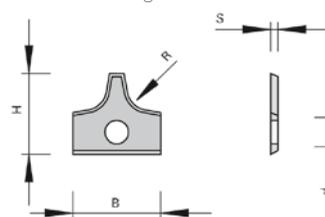
**\*Most popular**

## Radius Profile Knives with 2 Cutting Radius and Bottom Chamfer

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

Machine / Application

- | For use in edge rounding cutterheads.

Design

- | Cutting material: HW.
- | HL Board 05 for wood-based panels, plastics and hardwoods.

Notes

- | Packing unit: 10 pieces.

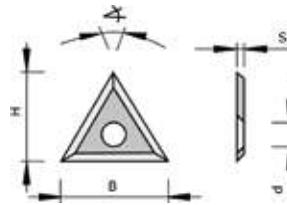
R	B	H	S	Od	PART NO.
2	12	12	1.5	4	LEU170340
2	16	17.5	2	4,4	LEU163489

## Solid Tungsten Carbide

### Scraper Turnover Knives HW with 3 Cutting Edges - Biesse

Product

Drawing



Tungsten Carbide [HW]

Machine / Application

I Machines Biesse-Polymax

Design

I Cutting material: HW  
I HL Solid 30 for wood-based panels, hard and soft woods

Notes

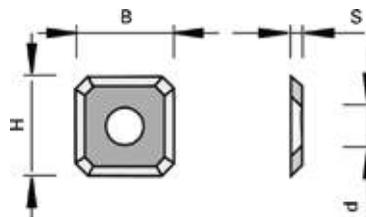
I Packing unit: 10 pieces.

B	H	S	d	GRADE	PART NO
22,9	19,8	2,5	6,4	HL Solid 30	LEU183685

### Profile Turnover Knives HW for Alucobond

Product

Drawing



Tungsten Carbide [HW]

Machine / Application

I For use in 90 degree Folding cutterhead PartNo: I 82616 for the machining of alucobond

Design

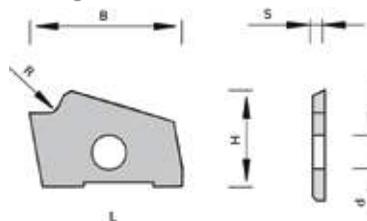
I Cutting material: HW  
I HL Solid 30 for wood-based panels, hard and soft woods

B	H	S	d	PART NO
14	14	2	6,3	LEU182079

### Profile Turnover Knives HW - Brandt

Product

Drawing



Tungsten Carbide [HW]

Machine / Application

I Edge banding machines Brandt since date of fabrication 2005 For use in rounding cutterheads with special chip removing design

Design

I Cutting material: HW  
I HL Board 06 for wood-based panels, plastics and hard woods

Notes

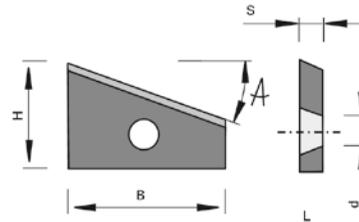
I Packing unit: 10 pieces.

R	B	H	S	d	R/H PART NO.	L/H PART NO.
2	22,32	14	2	5	LEU182331	LEU182332

## Scraper Knives HW with 1 Cutting Edge and Chamfer

Product

Drawing



LEUCO  
DUR

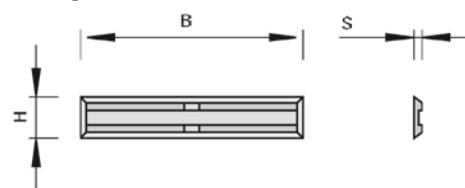
Tungsten Carbide [HW]

A	B	H	S	d	L/H PART NO.	R/H PART NO.
15	30	22.5	3	5,8	LEU178859	LEU178858
15	55	25	3	5,8	LEU178861	LEU178860

## Turnover Knives HS with 2 Cutting Edges - Weinig

Product

Drawing



High Speed Steel [HS]

Machine / Application

| For use in Weinig planing cutterheads Centrolock for planing of soft woods

Design

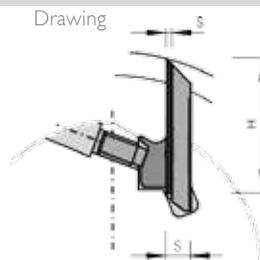
| Cutting material: high speed  
| Steel (HS 18%) for soft woods  
| Cube Machine

B	H	S	PART NO.
170	16	3	LEU184340
285	16	3	LEU184331

## SetProfiler Set - Planing

Product

Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

Machine / Application

| Moulders  
| For use in profile cutterheads with serration

Design

| n max = 12,000 min -1  
| Cutting material: HW  
| HL Solid 30 Topline for hard and soft woods  
| HW Topcoat  
| Topline (polished face)

Advantages

| Significantly improved cutting edges  
| Excellent cutting quality  
| Compared to uncoated HW-Blanks the edge lives is 2-3 times as long  
| Adjustable knives by means of serration between knife and support plate; 5 adjustments of 1,6mm=8mm sharpening area

Notes

| From safety reasons please always mount knives and support plates with equal weight (packing unit VE) opposite each other  
| Packing unit 2 pieces

Refer to Leuco website for sizes - [www.leuco.com](http://www.leuco.com)

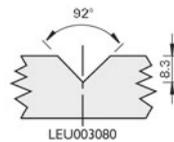
## Solid Tungsten Carbide

### Modula Knives

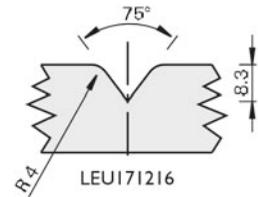
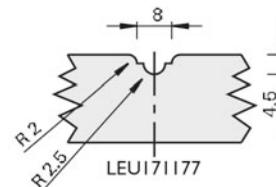
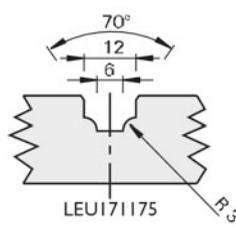
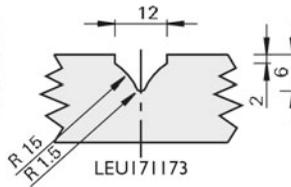
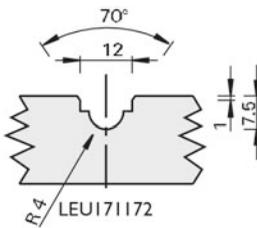
Product



Drawing



Tungsten Carbide [HW]



Machine / Application

I For use in ornamental groove cutterheads.

Design

I Cutting material: HW.  
I HL Board 05 for wood-based panels, plastics and hardwoods.

Notes

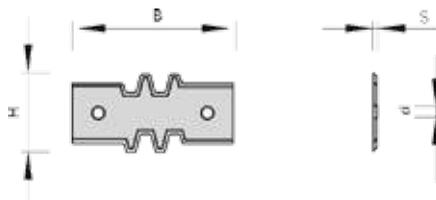
I Packing unit: 10 pieces.

B	H	S	Od	GRADE	PART NO.
12	12	1.5	4	HL Board 05	LEU003080

### Glue Joint Profile Turnover Knives

Product

Drawing



Tungsten Carbide [HW]

Machine / Application

I For use in glue joint cutterheads.

Design

I Cutting material: HW.  
I HL Solid 25 for hard and softwoods.

Advantages

I Very accurate profiling for optimum glue joints.

B	H	S	d	L	GRADE	PART NO.
50	21.6	2	4	26	HL Solid 25	LEU165911

## Buzzer, Thicknesser Planer Knife Steel

### Amac High Speed Steel Knife Sets

LENGTH	HEIGHT	THICK	MACHINE	UNIT	PART NO.
100	16	3	Tanner/Dyco	Set 3	AMAKHS0316100
150	16	3	CT150	Set 3	AMAKHS0316150
152	19	3	Tanner/Dyco	Set 3	AMAKHS0319152
204	19	3	Taiwan	Set 4	AMAKHS0319204-4
204	19	3	CT200	Set 3	AMAKHS0319204
305	25	3	Tanner	Set 3	AMAKHS0325305
305	30	3	HJ325	Set 3	AMAKS0330305
319	18	3	CT344	Pair	AMAKHS0318319
380	25	3	CT-381	Set 3	AMAKHS0325380
410	25	3	Taiwan	Set 3	AMAKHS0325410
508	30	3	Taiwan	Set 3	AMAKHS0330508
508	25	3	CT508	Set 4	AMAKHS0325508
610	30	3	WJ24	Set 3	AMAKHS0330610

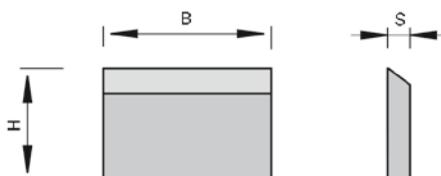


### Leuco High Speed Steel Knife

Product



Drawing



High Speed Steel [HS]

Machine / Application

I For use in planing cutterheads for softwoods.

LENGTH	HEIGHT	THICK	MACHINE	UNIT	PART NO.
410	35	3	SCM/Casade	Each	LEU006487
510	35	3	SCM/Casadei	Each	LEU006489
630	35	3	SCM/Casadei	Each	LEU165319

**Many more sizes available.**

### Amac Tungsten Inlaid Knife Steel Sets

LENGTH	HEIGHT	THICK	MACHINE	UNIT	PART NO.
150	16	3	CT150	Set 3	AMAKTC0316150
203	19	3	CT200	Set 3	AMAKTC0318200
305	30	3	HJ325	Set 3	AMAKTC0330325
380	25	3	CT381	Set 3	AMAKTC0325380
510	25	3	CT508	Set 4	AMAKTC0325508

## Knife Steel & Super Profiler Blanks

### Hand Planer Blades

Product



WIDTH	STEEL	BRANDS	BRANDS	UNIT	PART NO.
65	TCT		EHL65	Set	FES488503
82	TCT		HL850	Set	FES484515
82	H.S.S	Makita	Ryobi	Set	LINPPKS I
82	TCT	Makita	Ryobi	Set	LINPPKT I
82	H.S.S		Hitachi	Set	LINPPKS I0
82	TCT		Hitachi	Set	LINPPKT I0
82	TCT	Bosch Hitachi Makita (reversible knives)		Each	LEU165617

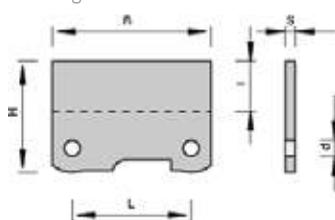


### Super Profiler Blanks HW

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

Machine / Application

I For use in LEUCO Super Profiler cutterheads

Design

I Thickness ground  
I Cutting material: HW  
I HL Board 06 for wood based panels, plastics and softwood  
I HL Solid 60 for soft woods

Notes

I For concave and convex profiles  
I T= maximum profile depth

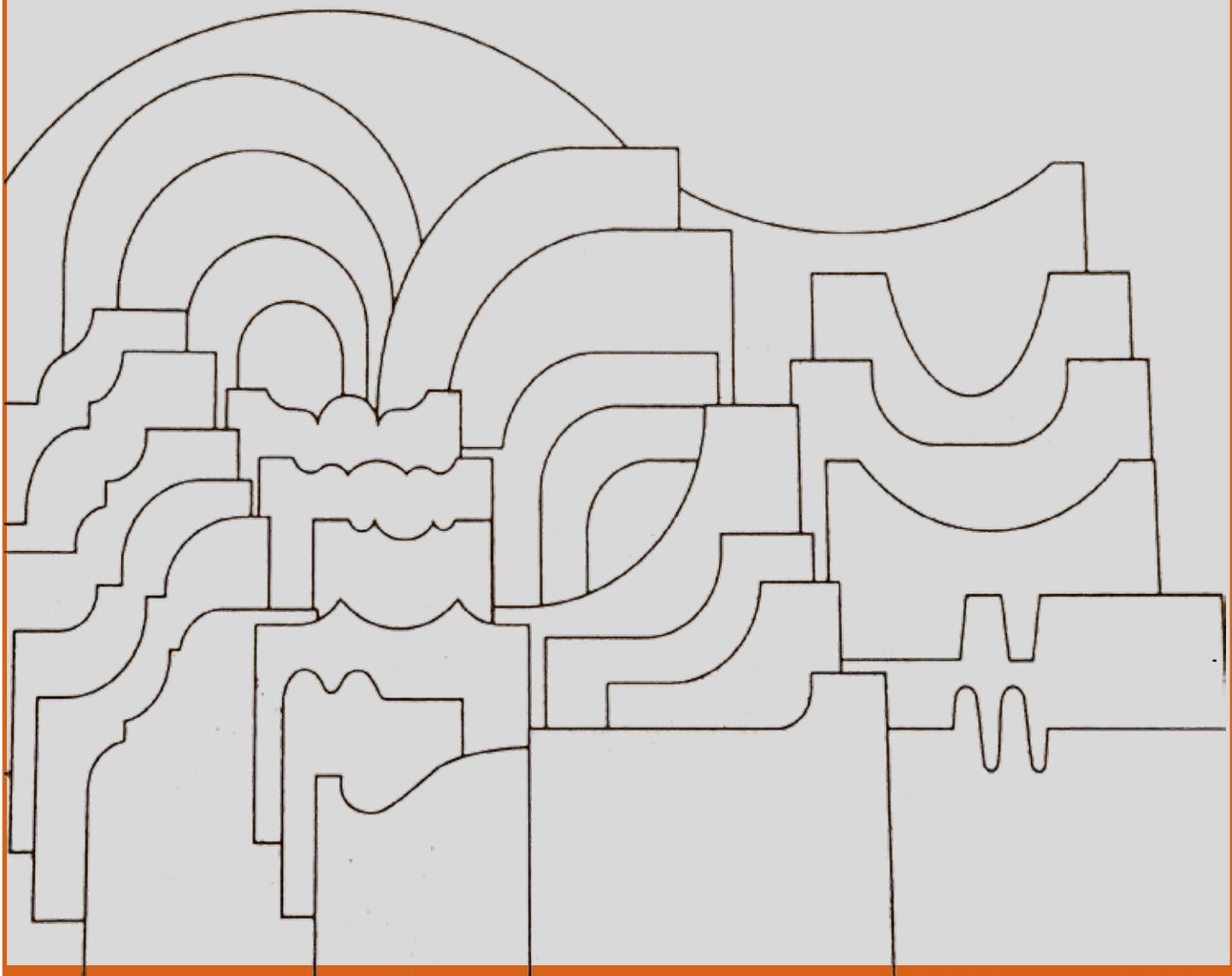
B	H	S	Od	L	Tmax	LEUCODUR	PART NO
30,6	25.5	1.5	4	16-20	13	HL Board 06	LEU179114
30,6	25.5	1.5	4	16-20	13	HL Solid 60	LEU177369
40,6	28.2	1.5	4	28	13	HL Board 06	LEU179112
40,6	28.2	1.5	4	28	13	HL Solid 60	LEU177367
40,6	40.6	2	4	28	20	HL Board 06	LEU179115
40,6	40.6	2	4	28	20	HL Solid 60	LEU178844
49,3	33.7	1.5	4	35	16	HL Board 06	LEU180199
60,8	30.2	1.5	4	48	15	HL Board 06	LEU179113
60,8	30.2	1.5	4	48	15	HL Solid 60	LEU177368
60,6	45.6	2	4	45	25	HL Board 06	LEU179999
60,6	45.6	2	4	45	25	HL Solid 60	LEU178845
80,6	45.6	2	4	65	25	HL Board 06	LEU180016
80,6	45.6	2	4	65	25	HL Solid 60	LEU180017



## PROFILE KNIFE CATALOGUE



*New Zealand's largest range of quality profiles*

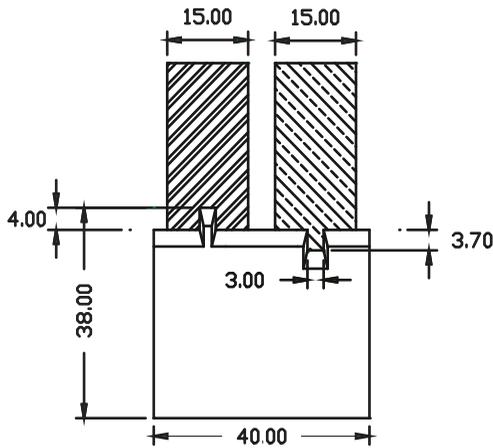


**We can make patterns to your requirements**

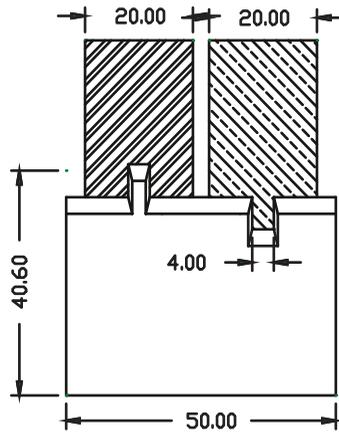
## Tongue And Groove

### T & G Knives (Male and Female on 1 knife)

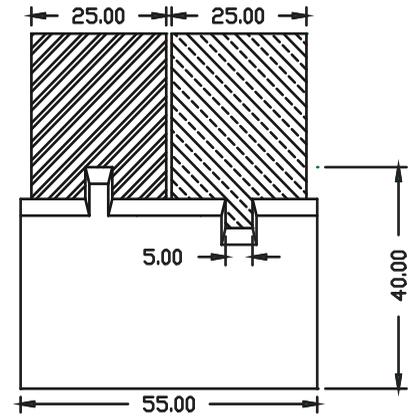
Knives drawn face down and maximum timber sizes



**ROBPRO I08TG(3mm)**



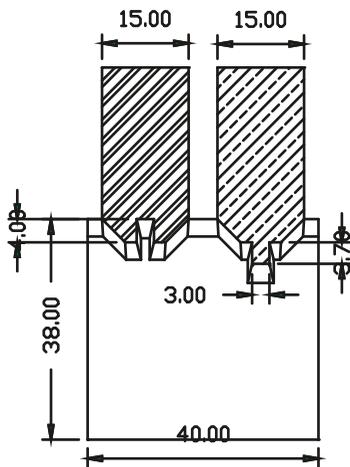
**ROBPRO I08TG(4mm)**



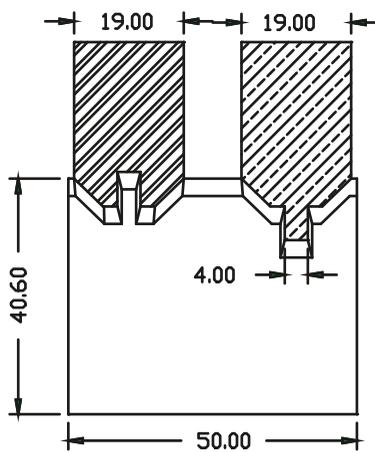
**ROBPRO I08TG(5mm)**

### T.G & V Knives

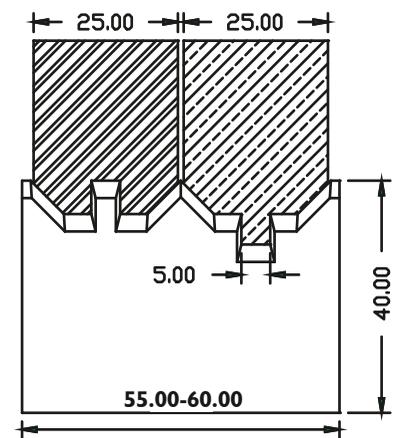
Knives drawn face down and maximum timber sizes



**ROBPRO I09TGV(3mm)**



**ROBPRO I09TGV(4mm)**



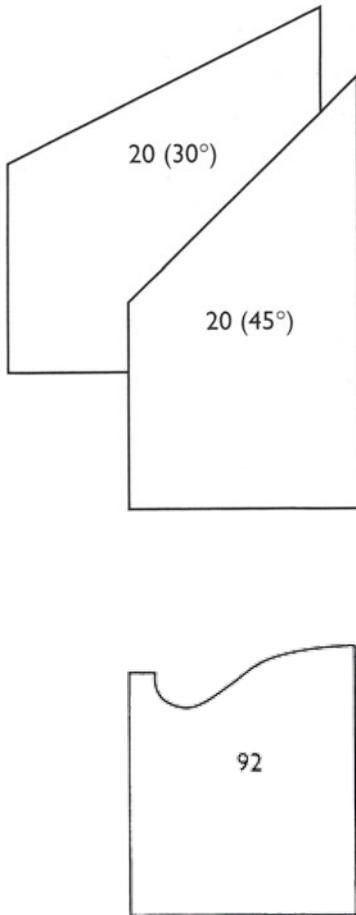
**ROBPRO I09TGV(5mm)**

## Profiling

All knives made from 5mm thick highest quality H.S.S. 18% Tungsten. Please contact a branch or representative for a catalogue of profile knife sizes from standard patterns. Custom knives can also be made in our sharpening workshop.

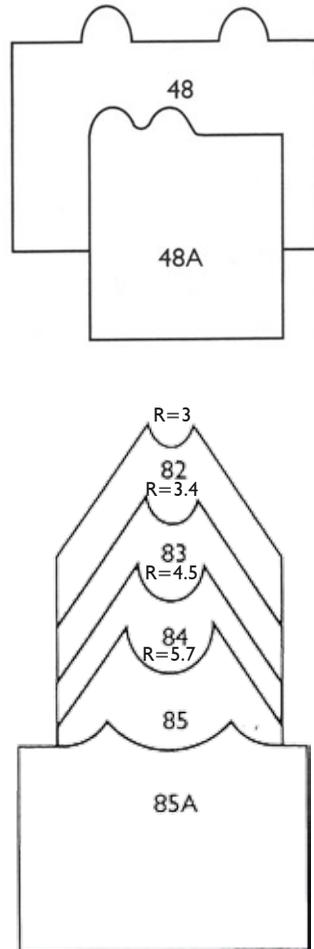
### ANGLES

All knives drawn face down.



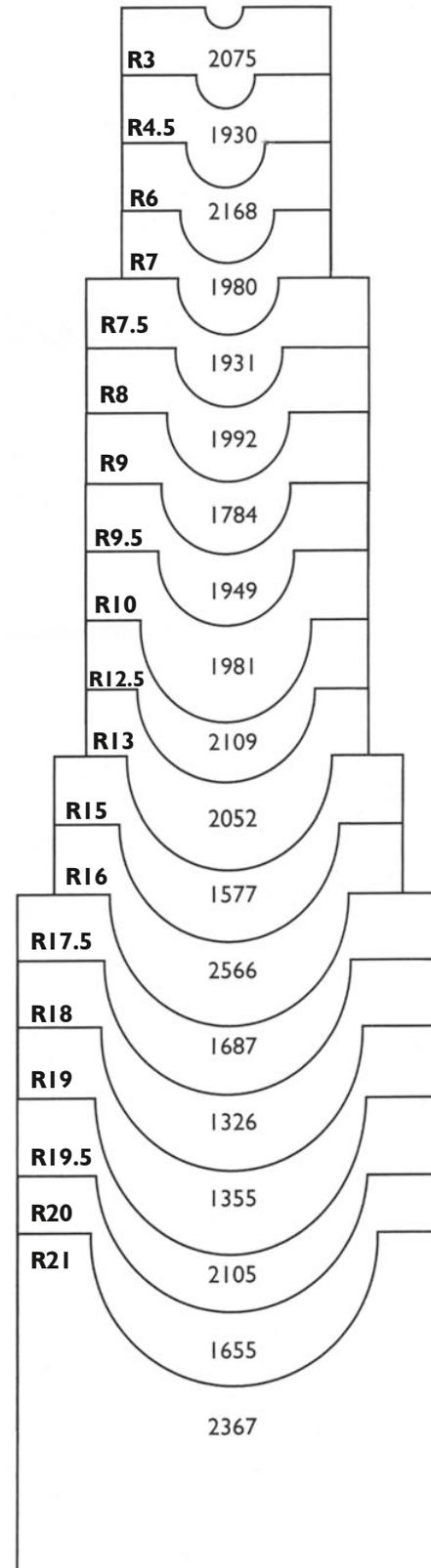
### BEADING

All knives drawn face down.



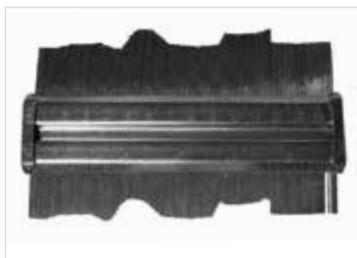
### BALLNOSE

All knives drawn face down.



### Contour Gauge

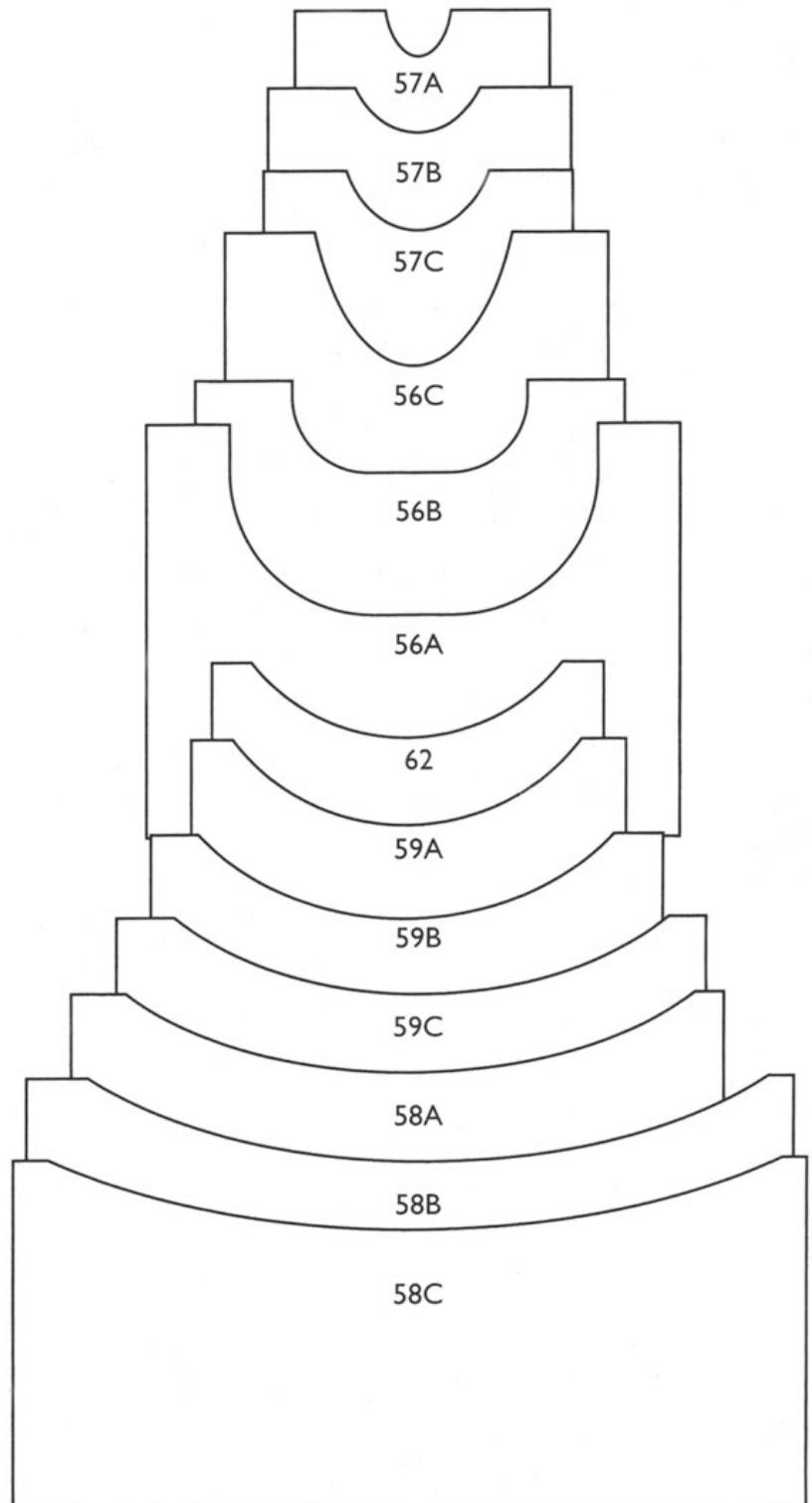
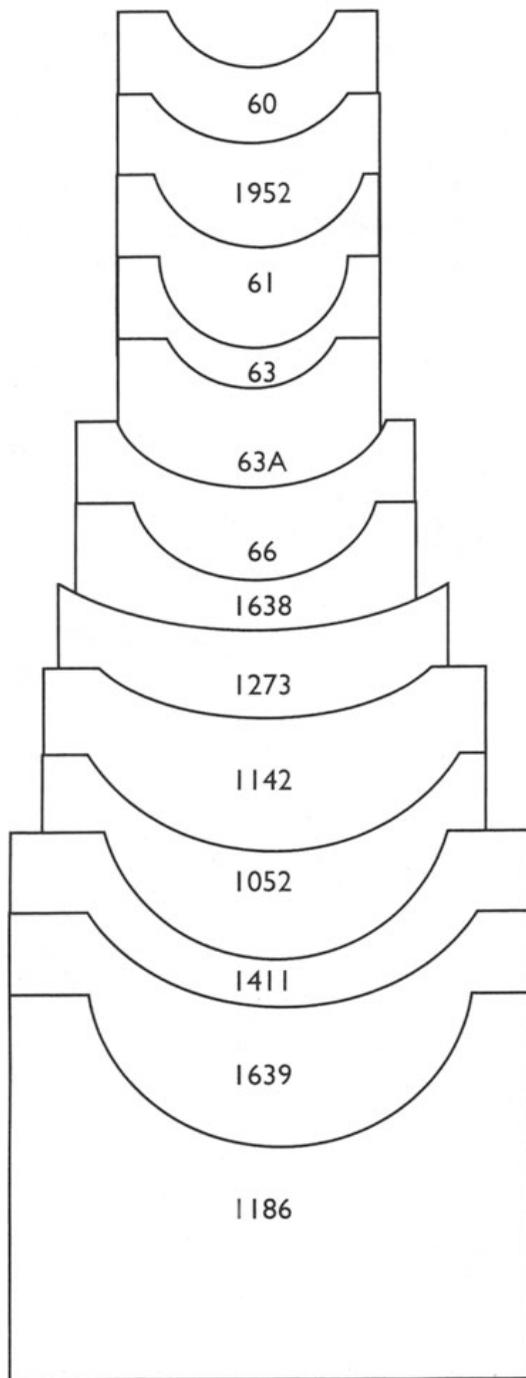
For use in woodworking and other applications where a profile needs to be cut or replicated  
 -Simply press contour gauge against shape required then cut to shape  
 -Sturdy metal construction



PART NO.	LENGTH
CARCONG-152	152MM(6")

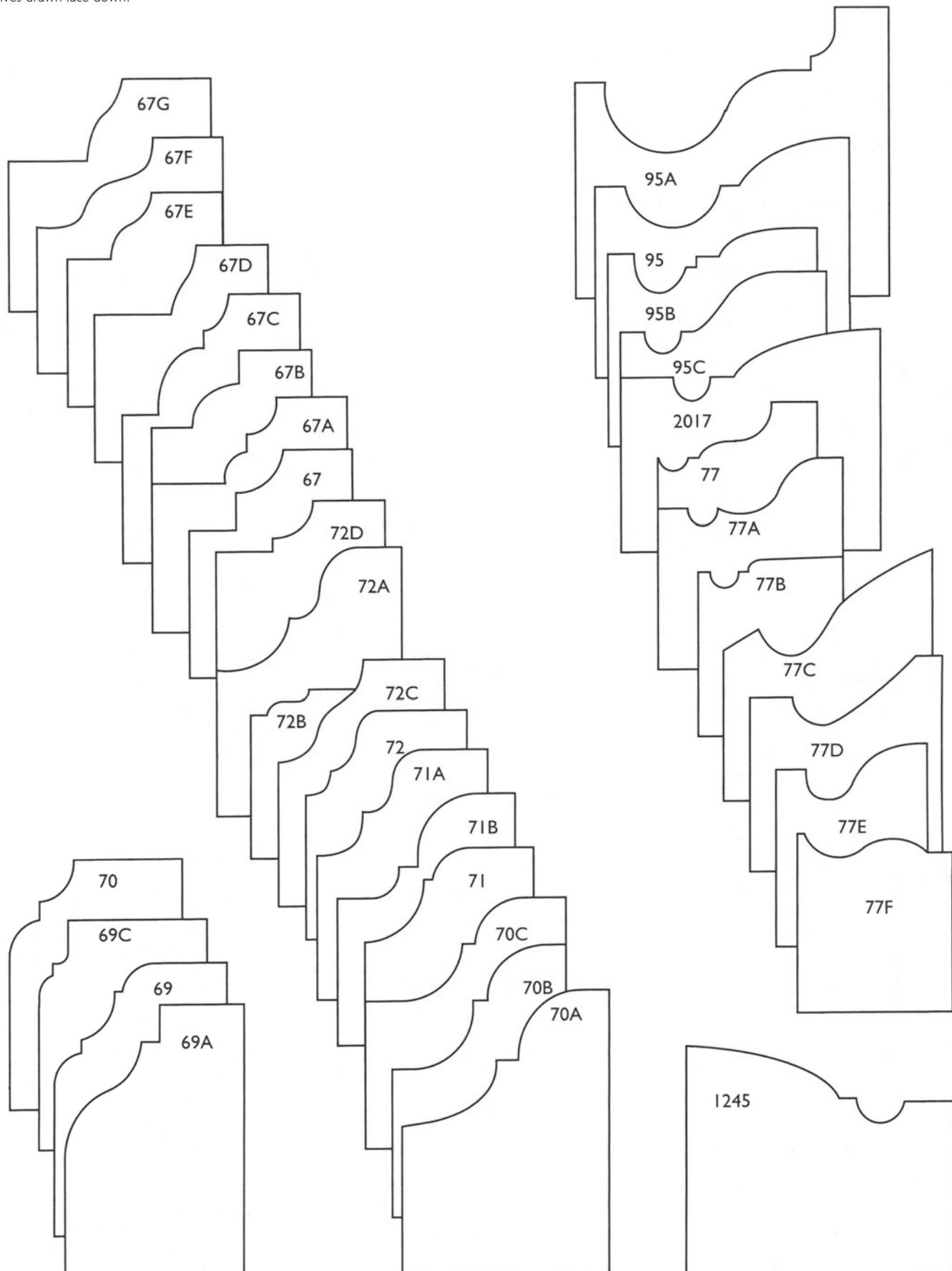
## Part Ballnose

All knives drawn face down.



## Classical

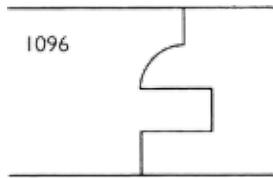
All knives drawn face down.



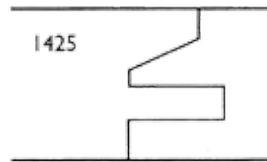
## Cupboard Door Sets

### Maximum Timber

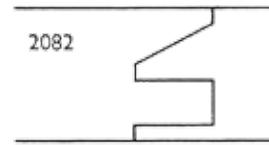
Thickness Shown



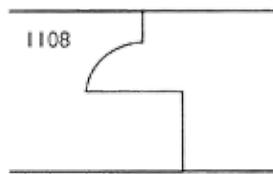
1096



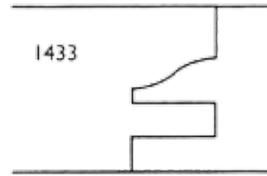
1425



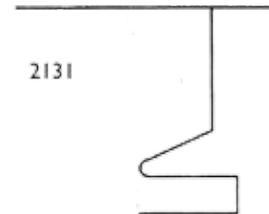
2082



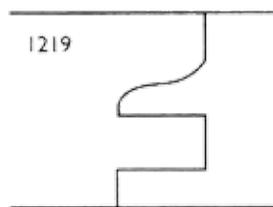
1108



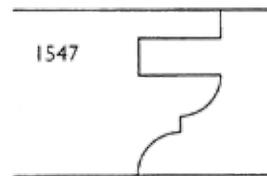
1433



2131



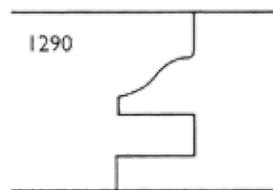
1219



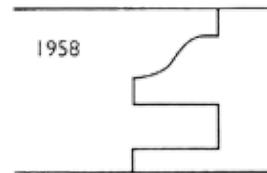
1547



2222



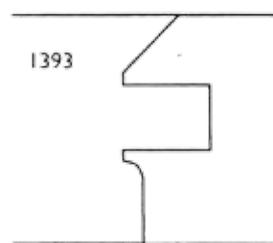
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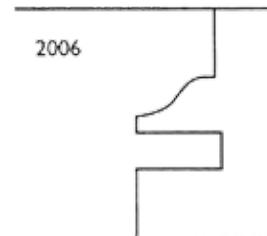
1958



2248



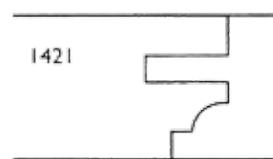
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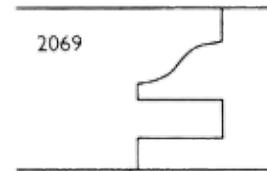
2006



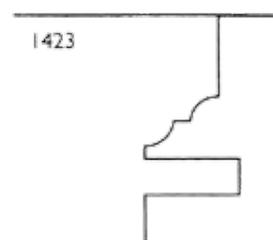
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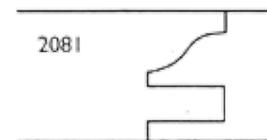
1421



2069



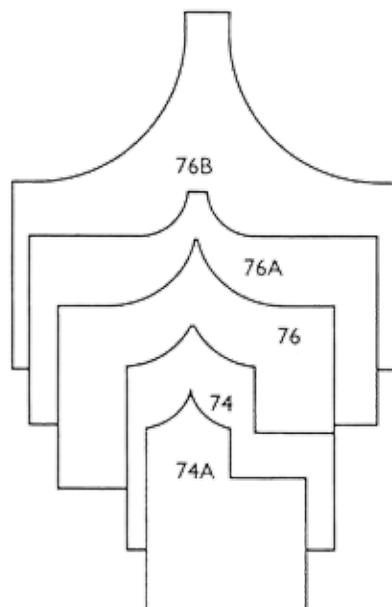
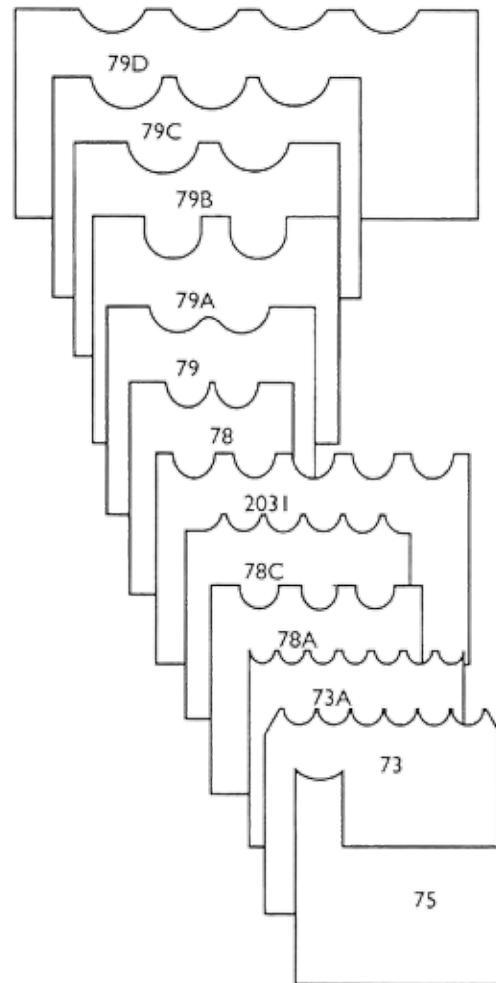
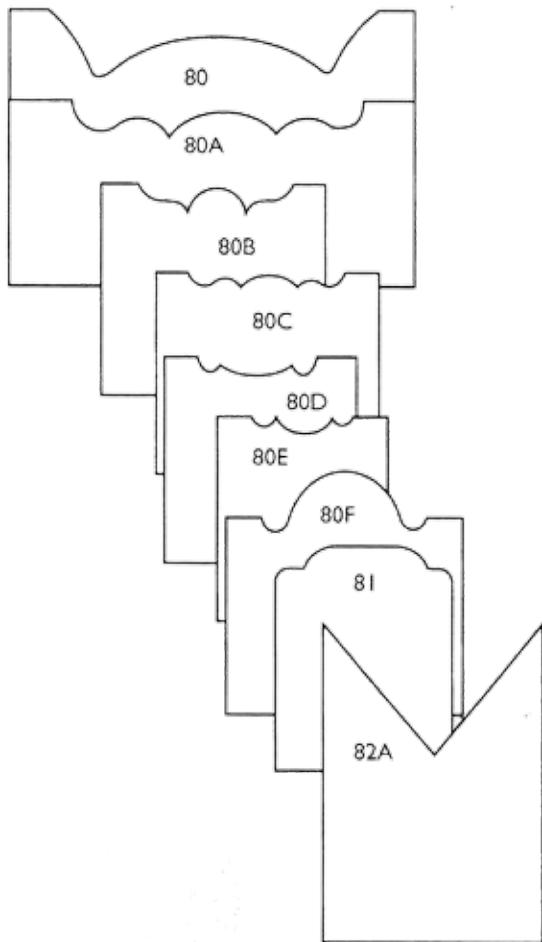
1423



2081

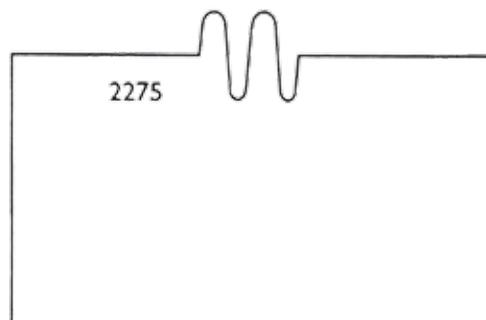
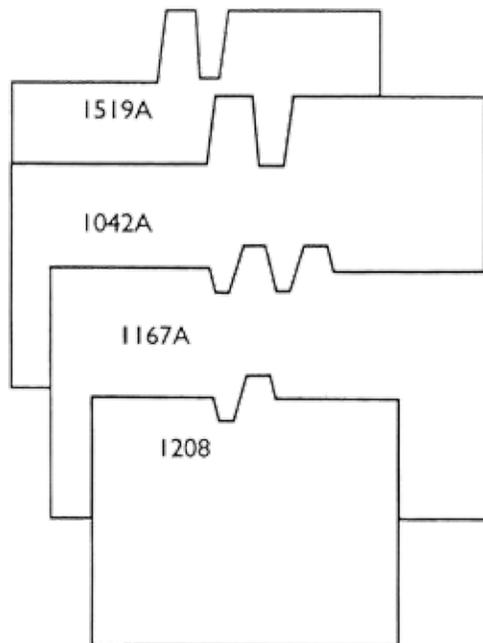
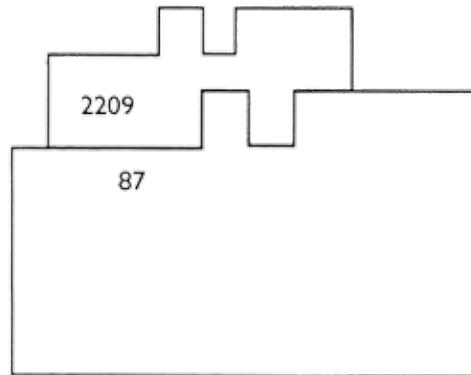
## Edge Forming

All knives drawn face down.



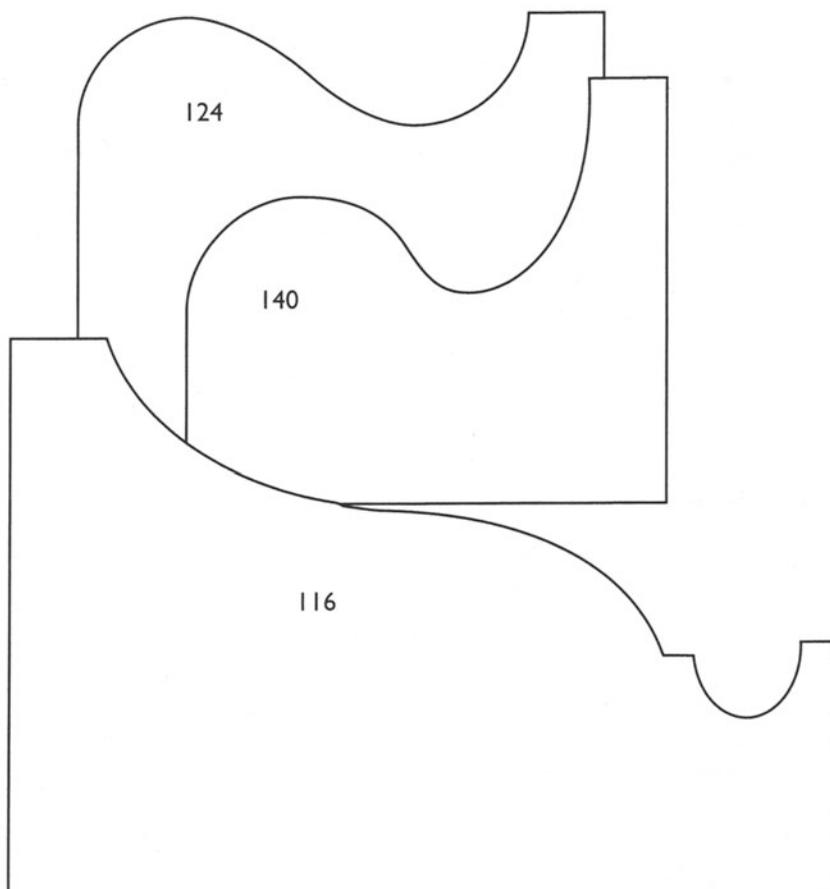
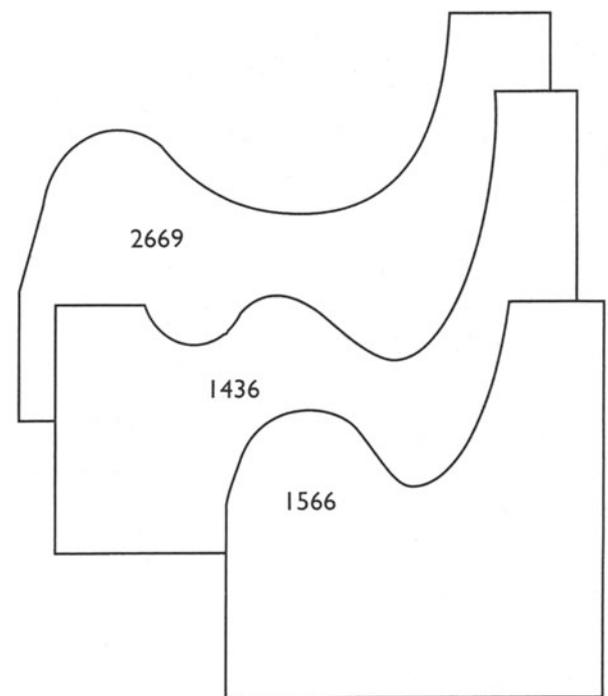
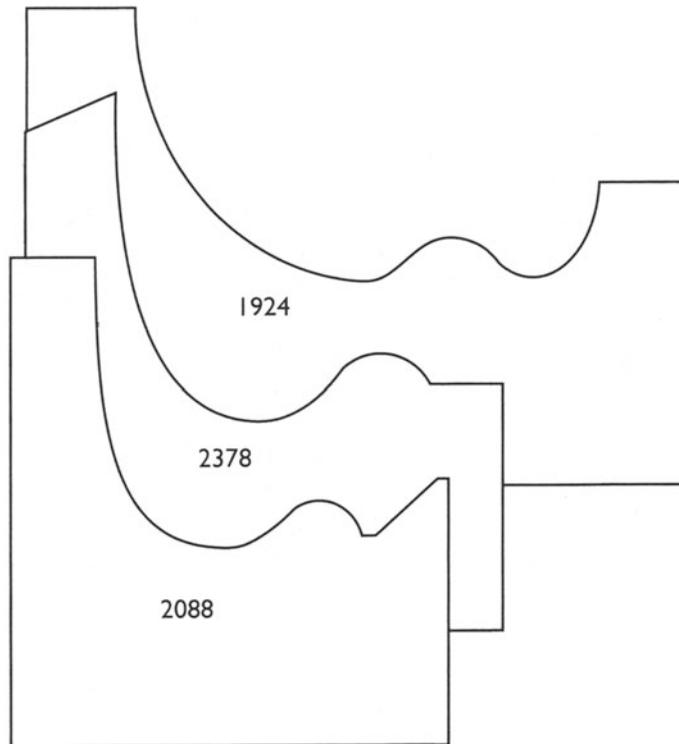
## F-Joint / Glue Joint FingerJoint Profiles

All knives drawn Face down



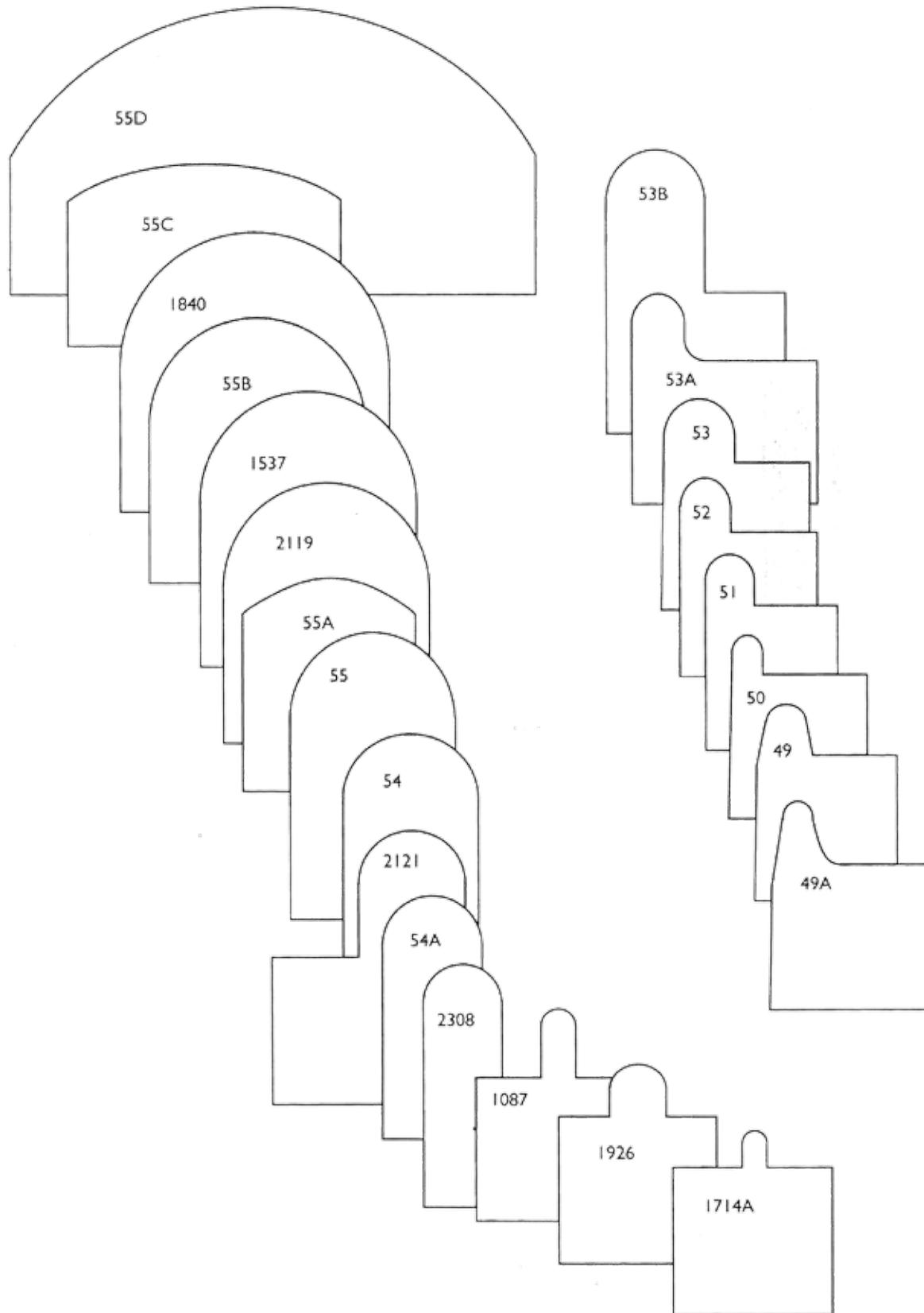
## Hand Rails

All knives drawn face down.



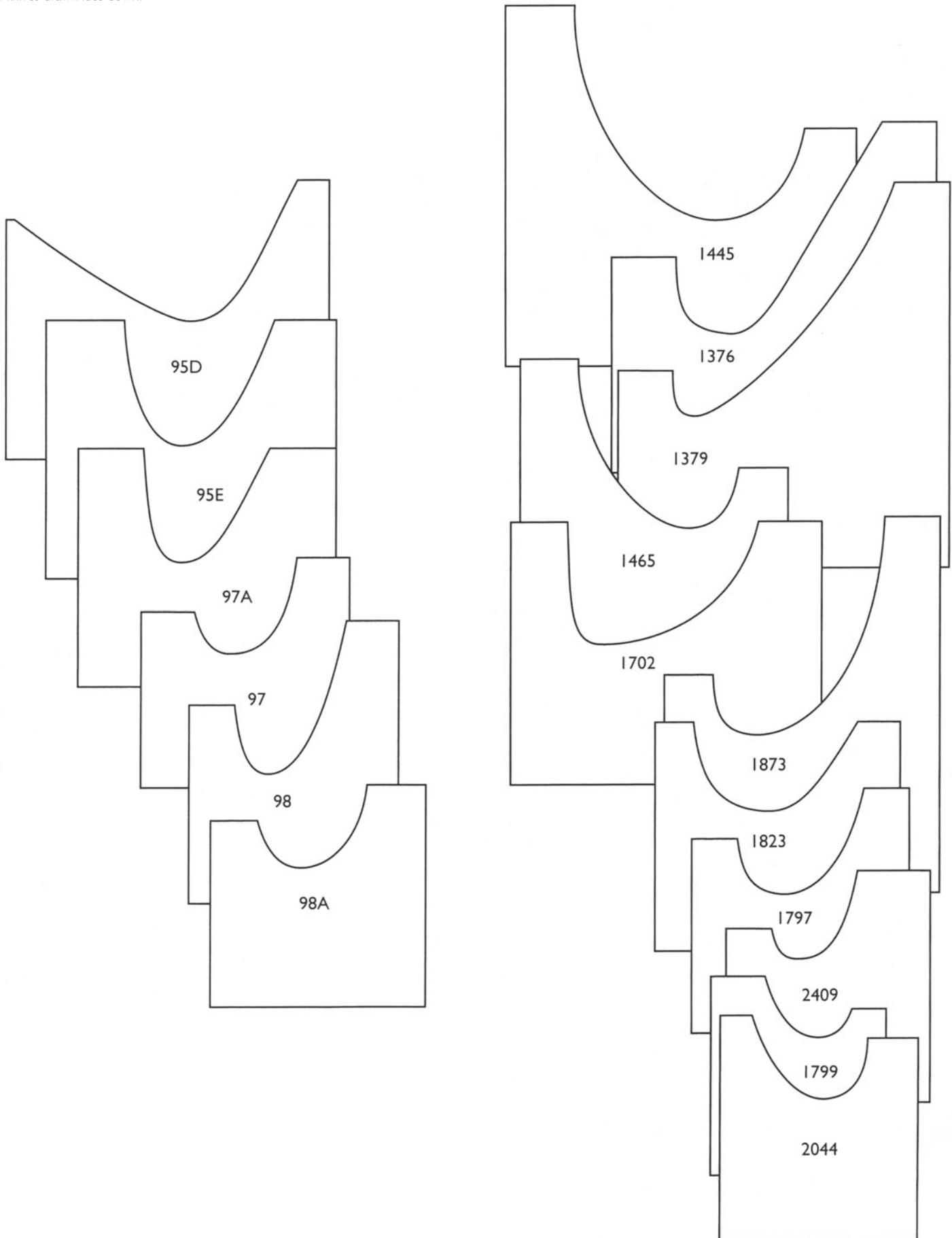
## Nosing

All knives drawn face down.



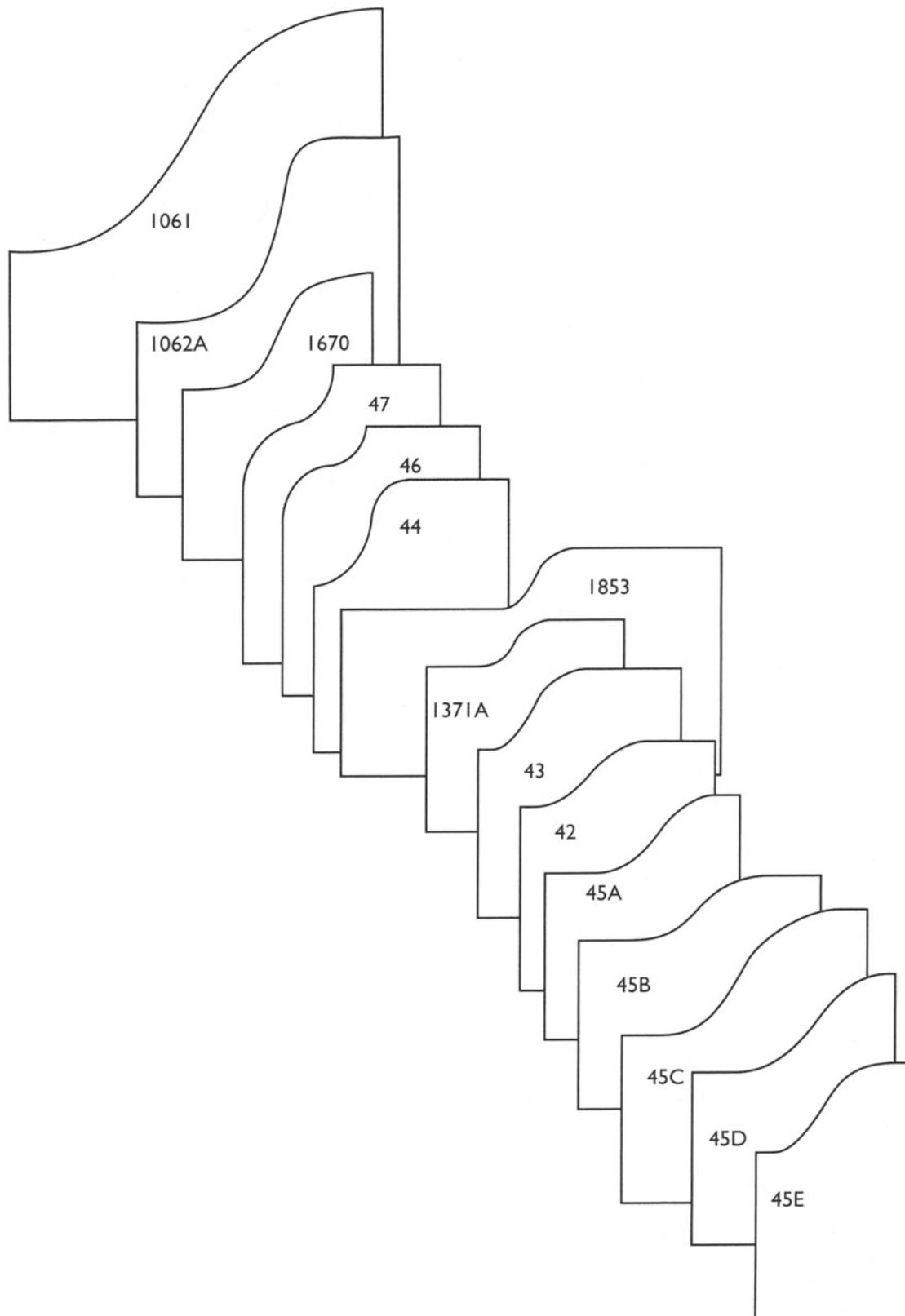
## Shark Nose

All knives drawn face down.



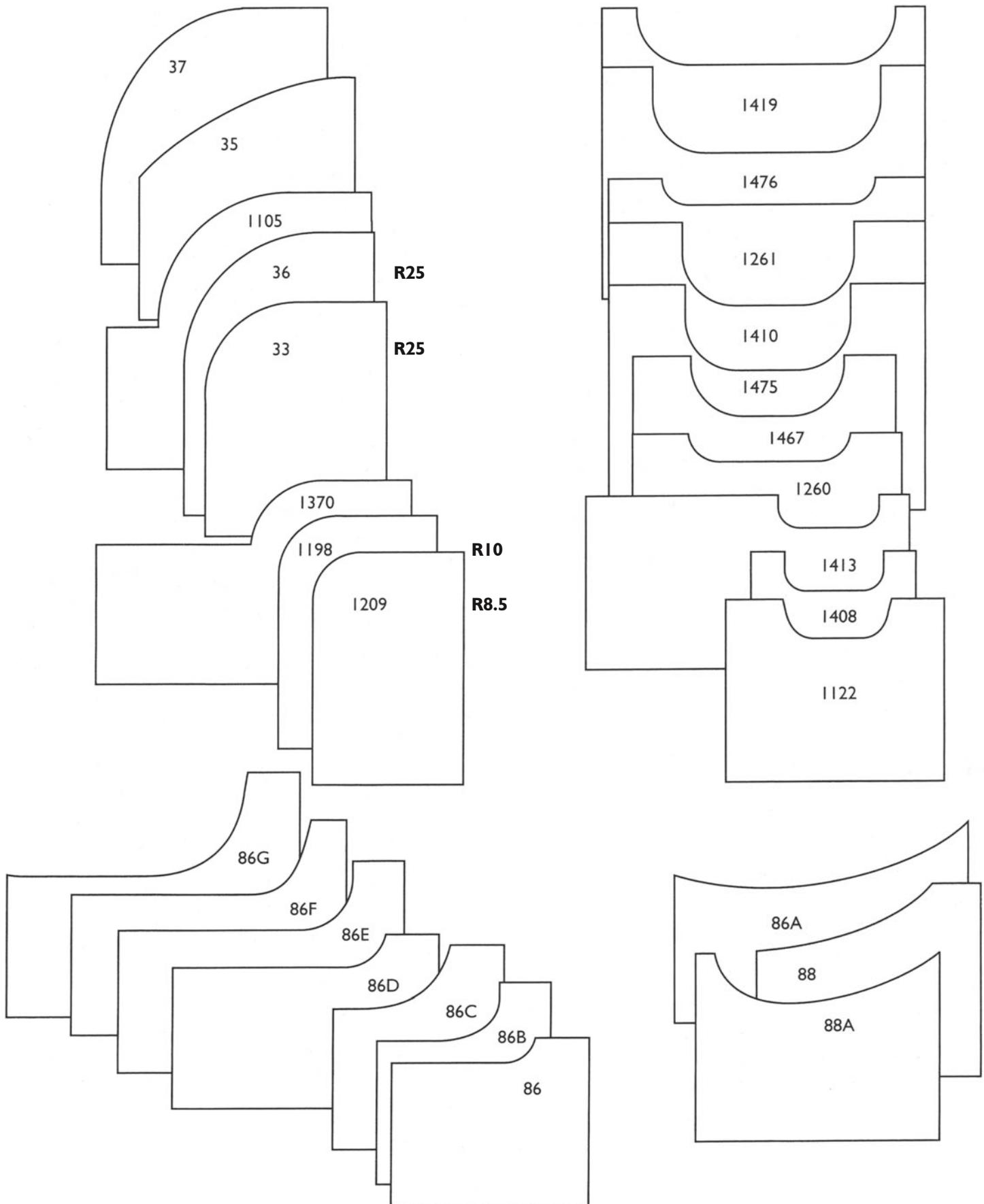
## Ogee

All knives drawn face down.



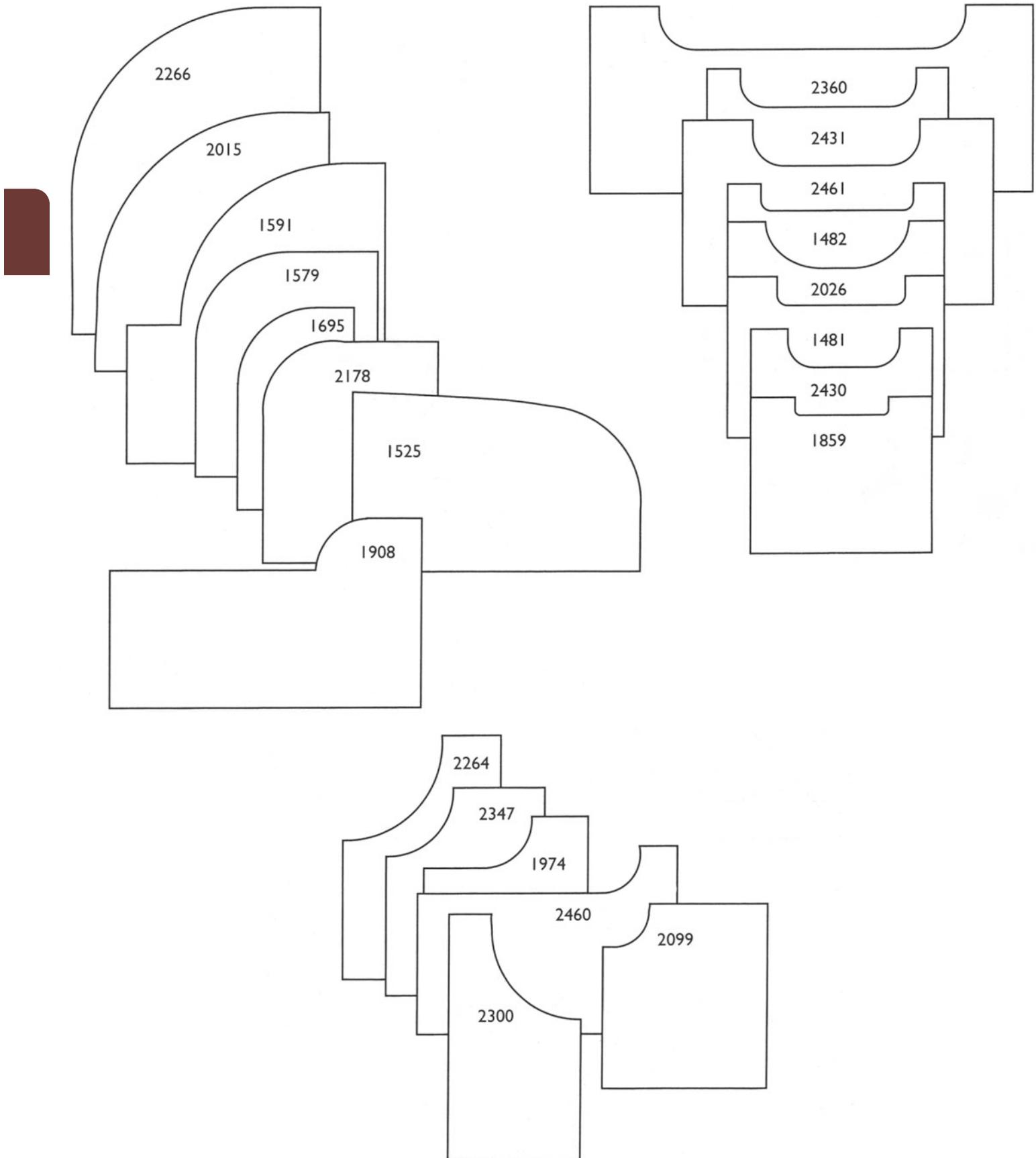
## Rounding Over / Under Profiles

All knives drawn face down.



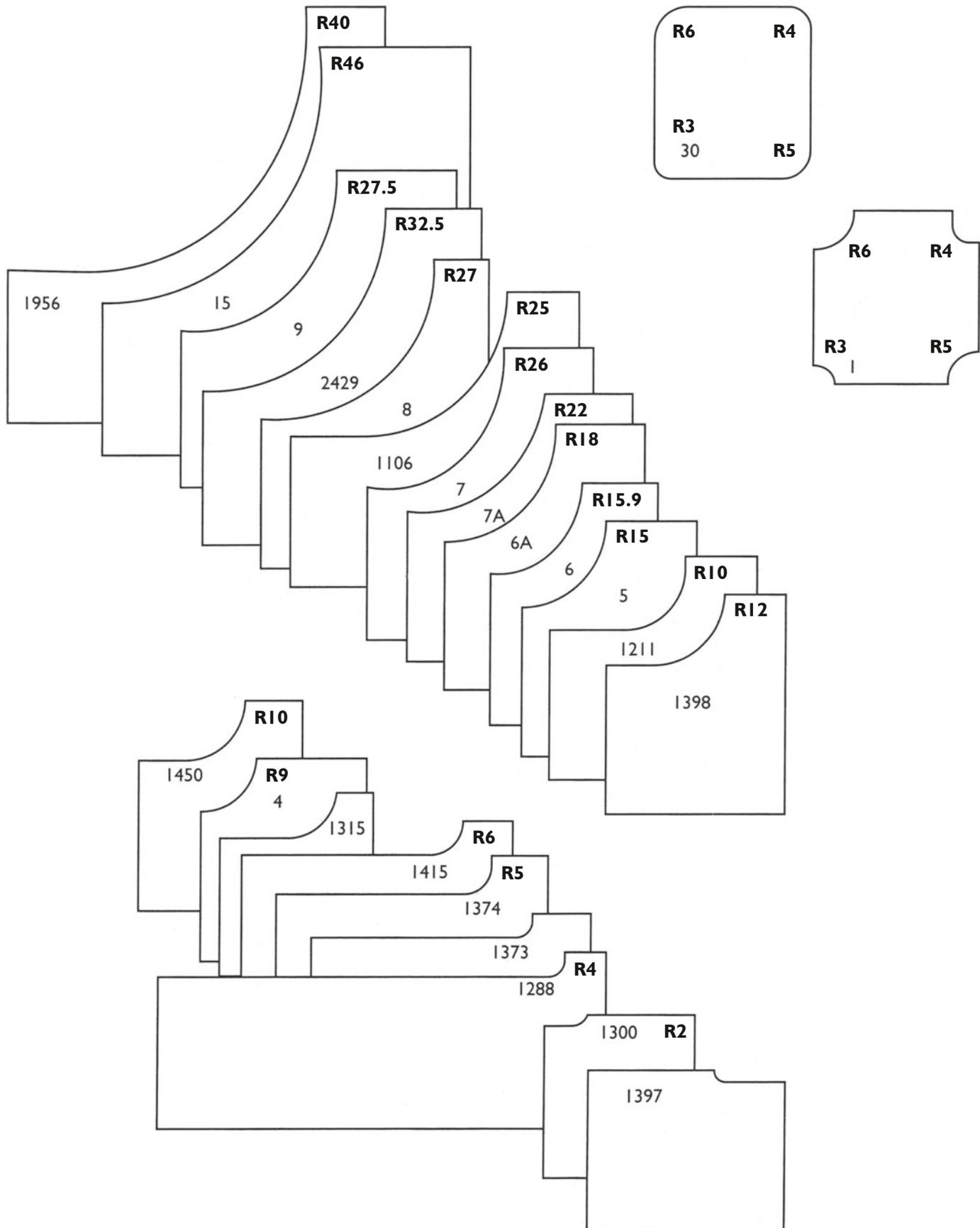
## Rounding Over / Under Profiles

All knives drawn face down.



## Rounding Over / Under Profiles

All knives drawn face down.



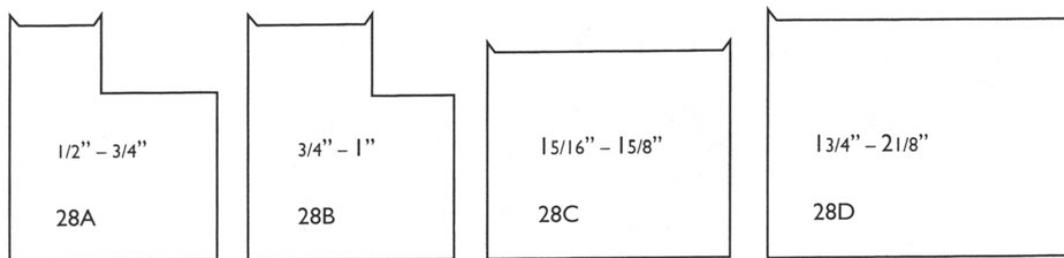
## Sash / Sill & Door

All knives drawn face down.



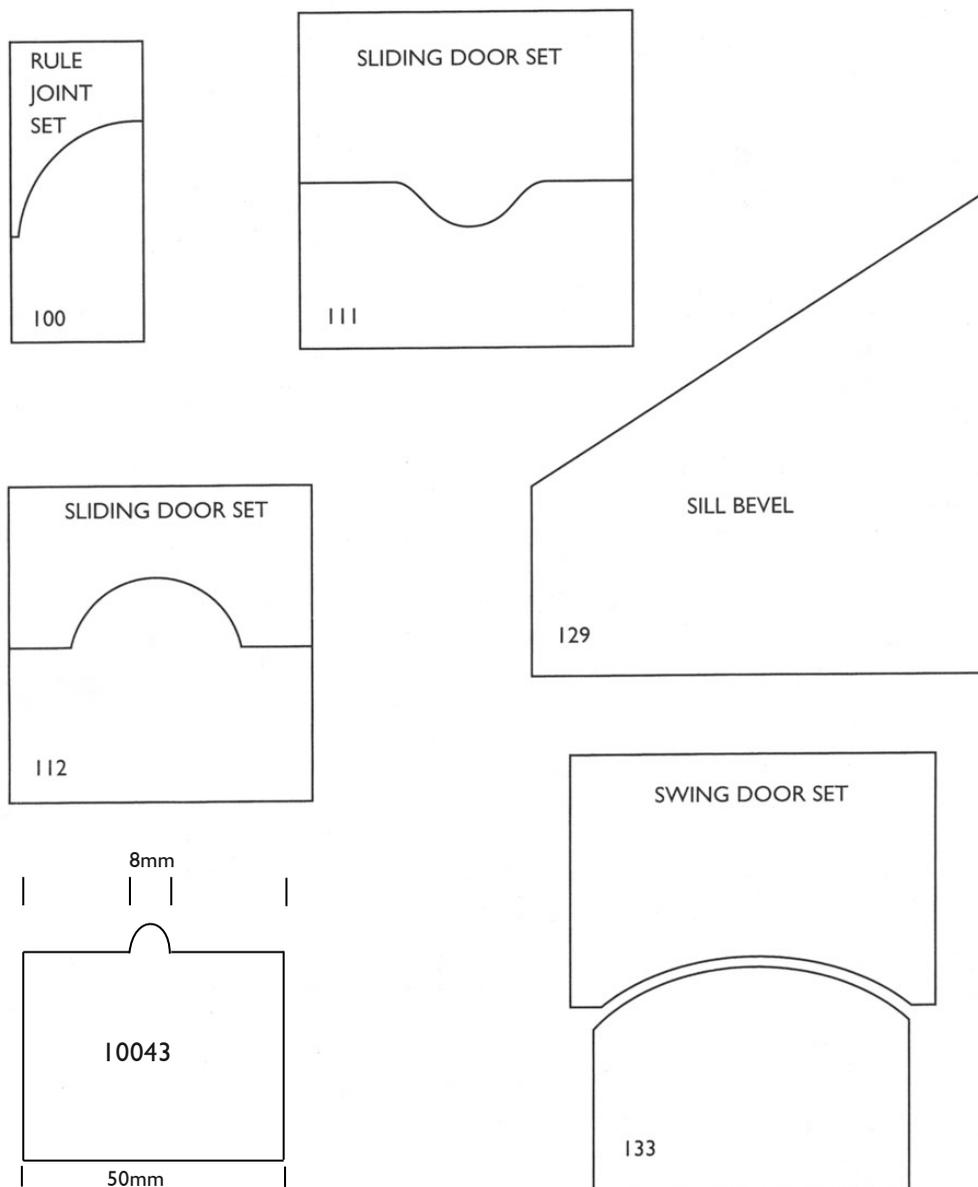
## Trenching

All knives drawn face down.



## Sash/Sill And Door

All knives drawn face down.



## 5 Saw Blades

### 5-1 Robsin: Bandsaw Blades

Carbon	5-1
Bimetal / Hobby	5-2
Sizes	5-3

### 5-2 Wilpu: Jigsaw Blades

Sabre Saw	5-8
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### 5-3 Festool Oscillating Saw Blades

5-10

### 5-4 Fein Multi Blades

5-11



## Carbon Bandsaw Blades

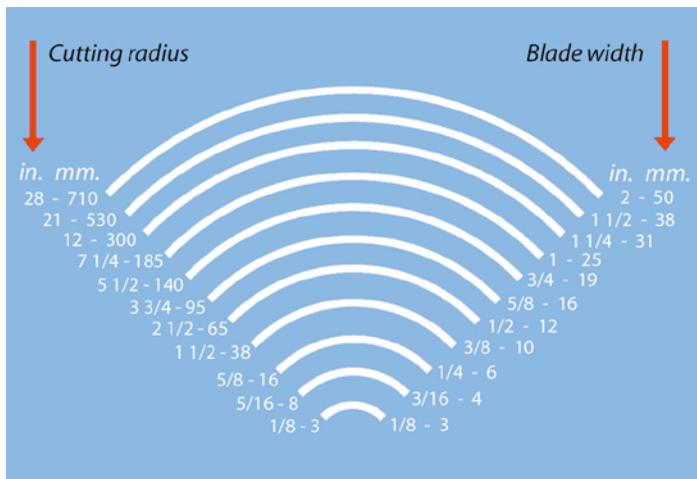
Carbon Bandsaw Blades are made from high quality Swedish carbon steel which offers excellent spring steel properties for the band material, while being hardened along the tooth edge. The teeth are **milled** rather than ground, offering better accuracy.

### TECHNICAL TIPS

As a rule it is always best to use the widest blade possible, for a straighter cut, and a faster feed rate due to the extra strength. On the other hand the radius is reduced.

The following table shows the **minimum** cutting diameter by blade width.

Width	Radius	Width	Radius
6mm	16mm	16mm	95mm
10mm	38mm	19mm	140mm
12mm	65mm	25mm	185mm



### TOOTH SELECTION

The number of teeth per inch (T.P.I.) should be matched to the thickness of the material being cut. The thicker the material, the T.P.I. is reduced. As the teeth are cutting, the gullet is filled up with chip until the tooth exits the material. If the T.P.I. is too fine, the gullets fill very quickly reducing the amount of material being removed, then rubbing occurs creating heat.

Recommended T.P.I. for material thickness follows.

100-150mm	3 T.P.I.	30-50mm	8 T.P.I.
150-200mm	2 T.P.I.	20-30mm	10 T.P.I.
200-300mm	1.3 T.P.I.	10-20mm	14 T.P.I.
80-100mm	4 T.P.I.	6-10mm	18 T.P.I.
50-80mm	6 T.P.I.	1-10mm	24 T.P.I.

**Carbon Steel blades are suitable for cutting** softwoods, plastic, aluminium, fibre glass.

### MACHINE BLADE LENGTH & WIDTH

Amac SBW3501HC	2,375 Length 6mm – 13mm width
Amac WBS18-LZ	3,375 Length 6mm – 25mm width
Amac WBS20-L	3,935 Length 6mm – 32mm width
Amac WBS24-L	4,470 Length 6mm – 32mm width
Tanner 14" wheel	2,375 Length
Dyco 14" wheel	2,324 Length or 2,375 Length
Dyco 18" wheel	2,781 Length



WIDTH	T.P.I.	LENGTH	PART NO.
13	6	1638	ROBBSC1306-1638
13	10	1638	ROBBSC1310-1638
13	14	1638	ROBBSC1314-1638
6	6	2324	ROBBSC0606-2324
10	3	2324	ROBBSC1003-2324
10	4	2324	ROBBSC1004-2324
10	6	2324	ROBBSC1006-2324
13	3	2324	ROBBSC1303-2324
13	4	2324	ROBBSC1304-2324
13	6	2324	ROBBSC1306-2324
6	4	2362	ROBBSC0604-2362
6	6	2362	ROBBSC0606-2362
10	3	2362	ROBBSC1003-2362
10	4	2362	ROBBSC1004-2362
10	6	2362	ROBBSC1006-2362
13	3	2362	ROBBSC1303-2362
13	4	2362	ROBBSC1304-2362
13	6	2362	ROBBSC1306-2362
19	14	2362	ROBBSC1914-2362
6	4	2375	ROBBSC0604-2375
6	6	2375	ROBBSC0606-2375
10	3	2375	ROBBSC1003-2375
10	4	2375	ROBBSC1004-2375
10	6	2375	ROBBSC1006-2375
13	3	2375	ROBBSC1303-2375
13	4	2375	ROBBSC1304-2375
13	6	2375	ROBBSC1306-2375
6	6	2781	ROBBSC0606-2781
10	4	2781	ROBBSC1004-2781
10	6	2781	ROBBSC1006-2781
13	4	2781	ROBBSC1304-2781
13	6	2781	ROBBSC1306-2781

### STOCK BLADES

## Bi-metal Bandsaw Blades

**Bi-metal Bandsaw blades are suitable for cutting** steel, all non ferrous materials, stainless, hardwood, and other materials when cutting high volumes.

The advantages of Bi-Metal blades are the **high speed steel cutting edge**, combined with hi-fatigue resistant steel in the body of the blade, providing long life and fast cutting rates.



### BI-METAL BANDSAW BLADES

WIDTH	T.P.I.	LENGTH	PART NO.
13	6/10	1638	ROBBSBI306/10-1638
13	10/14	1638	ROBBSBI310/14-1638
19	6/10	2362	ROBBSBI906/10-2362
19	10/14	2362	ROBBSBI910/14-2362



### STOCK BLADES

## Hobby Blades

Hobby blades are manufactured with hardened teeth, but made from thinner material in order not to break, as hobby machines have smaller diameter wheels.

Ryobi 1,425mm  
 Ryobi 1,510mm  
 Master 1,829mm



### HOBBY BANDSAW BLADES



WIDTH	T.P.I.	LENGTH	PART NO.
6	6	1085	ROBBSH0606-1085
6	14	1085	ROBBSH0614-1085
10	6	1085	ROBBSH1006-1085
6	4	1425	ROBBSH0604-1425
6	6	1425	ROBBSH0606-1425
6	10	1425	ROBBSH0610-1425
6	14	1425	ROBBSH0614-1425
10	4	1425	ROBBSH1004-1425
10	6	1425	ROBBSH1006-1425
6	4	1510	ROBBSH0604-1510
6	6	1510	ROBBSH0606-1510
6	14	1510	ROBBSH0614-1510
10	4	1510	ROBBSH1004-1510
6	6	1575	ROBBSH0606-1575
10	4	1575	ROBBSH1004-1575
10	6	1575	ROBBSH1006-1575
6	4	1829	ROBBSH0604-1829
6	6	1829	ROBBSH0606-1829
10	4	1829	ROBBSH1004-1829
10	6	1829	ROBBSH1006-1829

### STOCK BLADES

## Custom Made

Bandsaw Blades can be made to any length required. Supply details of **Length, Width, T.P.I. and material required** and we will manufacture within three days.

**Range includes** – band knife available in different types.

– **Straight blade** for cutting soft fibrous materials such as foam, corrugated cardboard, fibreglass insulation, leather, felt, cork.



– **Wavy blade** for cellulose sponge bread, cake, rubber seals.



– **Scallop blade** for same materials as wavy, providing a faster cut but coarser finish.



– **Meat blade** high quality 0.5mm thick steel reducing waste and providing a fast clean cut.

Most machines have a reasonable adjustment length, and stock sizes are more economical.

There are four stages involved, in the manufacturing process for **Custom made blades**:

- 1) The blade material is selected and cut to length;
- 2) The weld is produced by way of Induction Current and Upsetting Pressure;
- 3) The weld is then surface ground to ensure a smooth, consistent thickness;
- 4) The weld is annealed in a purpose built annealing machine;

**The weld on our custom made blades is guaranteed.**

### SELECTION OF TYPE OF BLADES

Hakansson bandsaw blades are widely recognised as technically the most advanced bandsaw blade available.

### PROPER BLADE SELECTION

As a rule it is always best to use a blade with maximum possible width, since heavier feeding can then be used, due to the improved beam strength of the wider blade. On the other hand, the thickness is limited to the diameter of the wheels of the bandsaw machine.

Too small a diameter of the wheels in relation to the band's thickness will cause band breakage.

### INSTALLATION OF BANDSAW BLADES

Place the blade on the wheels and adjust to normal running position. Adjust the tension of the blade. Incorrect blade tension will result in great waste of blades. If possible use a tension gauge.

Most machine manufacturers will recommend the proper tension for their machines. The bandsaw machine should be adjusted to the blade. The wheels should be aligned with the blade guides for proper tracking of the blade. It is very important that the guides and the rear bearings are kept in good condition and should be replaced as soon as they are worn. Make sure that your wire brush (or equivalent) is in good working condition for cleaning of the tooth gullet.

### BANDSAW BLADE RANGE

Popular range available ex stock. Specific lengths and types manufactured to your requirements. TPI (Teeth per Inch)

#### CARBON SELECTION

W	T.P.I	Thickness								
4mm									10	0.63
6mm			4	6	8	10	14	18	24	0.63
10mm		3	4	6	8	10	14		24	0.63
13mm		3	4	6	8	10	14	18	24	0.63
16mm		3	4	6	8		14		24	0.81
19mm		3	4	6		10	14			0.81
25mm	2	3	4	6		10	14			0.9
32mm	1.3	3								1.07

#### BI-METAL SELECTION

W	T.P.I	Thickness								
6mm									10/14	0.9
10mm									10/14	0.9
13mm			4			06/10	10/14			0.9
19mm					05/08	06/10	08/12	10/14	18	0.9
27mm	02/03	03/04	04/06	05/08	06/10	08/12		10/14		0.9
34mm	02/03		04/06				08/12			1.1
41mm		03/04	04/06							1.3

#### HOBBY

W	T.P.I	Thickness								
6mm			4	6				14		0.36
10mm			4	6						0.36

#### BAND KNIFE

W	STRAIGHT	WAVY	SCALLOP	W	T.P.I
10mm	0.5		0.5	19	3
12mm	0.5		0.5		
15mm	0.5	0.5	0.5		
20mm	0.5				
25mm	0.5				

#### TUNGSTEN Tipped

#### MEAT BLADE

W	T.P.I	Thickness								
13mm			4							0.5
16mm		3	4							0.5
19mm		3	4							0.5

#### HOBBY



#### BI-METAL



#### CARBON



The productive power of a saw blade depends on the base material quality, the kind of toothing and the tooth geometry. These factors guarantee in conjunction with the correct use of the machine and blade selection the optimum result in cutting all materials.

## QUALITY, GERMAN JIGSAW BLADES

### Wide range available to suit:

- Softwood
- Hardwood
- Plywood
- Chip Board
- M.D.F
- Wood with Nails
- Laminate
- Steel Pipes
- Sheet Metal
- Aluminium
- Non-ferrous Metals
- Plastics
- Perspex
- Carbon Fibre
- Fibre Glass

## OUR MATERIAL QUALITIES



Alloyed tool steel.



High speed steel.



Alloyed tool steel with hard metal or diamond coating, tungsten carbide teeth or toothed hard metal ledge.

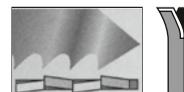


Flexible electron beam welded joint of high temperature alloyed sprung steel as backing material and high speed steel on the cutting edge to meet the highest demands given to a blade during use.

Advantages against standard high speed steel blades:

- Optimum cutting efficiency;
- Prolonged service life;
- Flexible making it virtually unbreakable.

## KIND OF TOOTHING



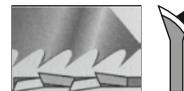
Side set toothing: rough cuts.



Wavy set toothing: fine and clean cuts.



Conically ground blade, teeth diagonally sharpened toothing: precise, clean cuts.



Side set, diagonally sharpened toothing: rough, quick cuts.

		<b>JIGSAW BLADES</b>		
DESCRIPTION		GENERIC NO.	UNIT	PART NO.
<p>JSHS:WPD1 JIGSAW BLADES F/GLAS</p>	<p>WILPU 54x3.0 PITCH</p> <p>Carbide coated, <b>coarse-grained</b>. Glass, ceramics, glass-fibre reinforced products.</p>	T13ORIFF	PKT3	<b>WILD1/3PC</b>
<p>JSHS:HC12 JIGSAW BLADES</p>	<p>WILPU 75x2.5 PITCH</p> <p>Conically ground blade, teeth diagonally sharpened. <b>Clean cut:</b> all wood types (&lt; 30mm), plastics.</p>	T101B	PKT5	<b>WILHC12</b>
<p>JSHS:HC123 JIGSAW BLADES SUPER</p>	<p>WILPU 91x2.5 PITCH</p> <p>Conically ground, teeth 3-times sharpened, patented geometry. Especially for <b>clean and fast</b> cuts in all types of wood &lt; 60mm and plastic.</p>	T234X	PKT5	<b>WILHC123</b>
<p>JSHS:HC12K JIGSAW BLADES</p>	<p>WILPU 50x1.35 PITCH</p> <p>Conically ground blade, teeth diagonally sharpened, tapered toothing. <b>Clean curve cuts</b> in softwood, plywood, laminate (&lt; 15mm).</p>	T101AO	PKT5	<b>WILHC12K</b>
<p>JSHS:HC12R JIGSAW BLADES</p>	<p>WILPU 75x2.5 PITCH</p> <p>Conically ground blade, teeth diagonally sharpened. Reverse teeth. <b>Clean, splinterfree surface cuts</b> in all wood types (&lt; 30mm), plastics.</p>	T101BR	PKT5	<b>WILHC12R</b>

## KEY



Glass



Ceramics



Carbon Fibre, Re-inforced plastics



Plywood, hardwood, softwood, chipboard



Plastics



Quick cut



Straight cut



Curved saw blade



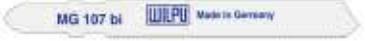
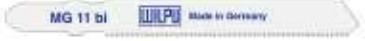
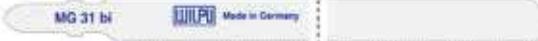
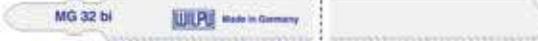
Reverse teeth

DESCRIPTION		WILPU®	GENERIC NO.	UNIT	PART NO.
JSHS:HC13 JIGSAW BLADES F/CUT	WILPU 75x3.0 PITCH			PKT5	WILHC13
	Conically ground blade, teeth diagonally sharpened. <b>Clean cut:</b> all wood types (< 30mm), plastics.				
JSHS:HC14 JIGSAW BLADES	WILPU 75x4.0 PITCH	T101D		PKT5	WILHC14
	Conically ground blade, teeth diagonally sharpened. <b>Clean cut:</b> all wood types (< 45mm), plastics.				
JSHS:HC14D JIGSAW BLADES PKT5	WILPU 75x4.0 PITCH	T101DP		PKT5	WILHC14D
	Conically ground blade, teeth diagonally sharpened. Special thick blade. <b>Clean, straight cuts</b> in wood, laminated chipboard (< 45mm) and plastics.				
JSHS:HC19R REVERSE SMOOTH CUT PKT5	WILPU 91x1.9 PITCH WOOD PLASTIC				WILHC19R
JSHS:HC19RBI JIGSAW BLADES PK5	WILPU 60x1.9 PITCH	T101AF		PKT5	WILHC19RBI
	Conically ground blade, teeth reverse and diagonally sharpened. Special saw blade for clean and <b>splinterfree surface cuts</b> in laminate and parquet (< 20mm).		<b>LONG LIFE</b>		
HC22DV JIGSAW BLADES PKT5	WILPU 75x2.5 PITCH				WILHC22DV
JSHS:HC32 JIGSAW BLADES PKT 5	WILPU 105x2.5 PITCH			PKT5	WILHC32
	Conically ground blade, teeth diagonally sharpened. <b>Clean cut:</b> all wood types (< 65mm), plastics.				
JSHS:HC33 JIGSAW BLADES PKT5	WILPU 105x3.0 PITCH	T301CD		PKT5	WILHC33
	Conically ground blade, teeth diagonally sharpened. <b>Clean cut:</b> special long saw blade for all wood types (< 65mm), plastics.				
JSB1:HGS14B JIGSAW BLADE BiMe	WILPU 75x4.0 PITCH	T144DF		PKT5	WILHGS14BI
	Side set and diagonally sharpened teeth. <b>Fast cut</b> in all wood types (< 50mm). <b>Long lifetime.</b>		<b>LONG LIFE</b>		
WHGS24 BULK JIGSAW BLADES PKT100	WILPU 75x4.0 PITCH GERMANY			PKT5	WILHGS24
	Side set and diagonally sharpened teeth. <b>Quick cut.</b> Curved saw blade for all wood types (< 50mm).				
JSTC:HMI00 JIGSAW BLADES	WILPU 75x4.2 PITCH	T141HM		EACH	WILHM100
	Tungsten carbide teeth. Glass-fibre reinforced products, hardwood and gas formed concrete.				
JSTC:HMI11 JIGSAW BLADE J/S TCT	WILPU 50x1.4 PITCH	T118AHM		PKT2	WILHMI11
	Grinded carbide strip. For steel, metal sheets, stainless steel (1.5-3mm HM 11, 2-5mm HM 14).				
JSTC:HMI32 JIGSAW BLADE F/GLAS	WILPU 105x4.2 PITCH	T341HM		EACH	WILHM132
	Tungsten carbide teeth. Glass-fibre reinforced products, hardwood and gas formed concrete.				

**KEY**

Plywood, hardwood, softwood, chipboard	Laminate coated, Parquet	Sheet metals	Steel pipes, steel profiles	Stainless steel	Plastics	Glass-fibre reinforced products	Straight cut	High cutting performance	Reverse teeth	Quick cut	Gas-formed concrete

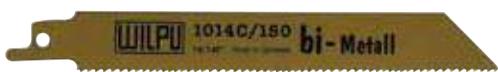
# Jigsaw Blades

DESCRIPTION		WILPU®	JIGSAW BLADES		
DESCRIPTION	GENERIC NO.	UNIT	PART NO.		
 <p>JSBS:HW12K SCROLL BLADES PKT5</p>	WILPU 50x2.0 PITCH	T119BO	PKT5	WILHW12K	
Teeth milled and wavy set. <b>Curved cuts</b> in softwood (<15mm), insulation material.					
 <p>JSBI:K14 JIGSAW BLADES B/M PK5</p>	WILPU 75x3.0 PITCH	T127DF	PKT5	WILK14BI	
Teeth milled and side set. Special flexible blade for non-ferrous metal and aluminium steel (<30mm), plastics. <b>Long lifetime.</b>					
 <p>JSBI:MC12 JIGSAW BLADES PKT5</p>	WILPU 75x2.5 PITCH	T101A	PKT5	WILMC12BI	
Conically ground blade, teeth milled. Plexiglass, polycarbonate, non-ferrous metals, aluminium (2-20mm).					
 <p>JSBI:MG1014 JIGSAW BLADE WSN</p>	WILPU 75x1.8-2.5 PITCH	T111HF	PKT5	WILMG1014BI	
Teeth milled and side set. <b>Combo-toothed.</b> Flexible blade for steel (2.5-10mm) and wood with metal residues (<50mm). <b>Long lifetime.</b>					
 <p>JSBI:MG107 JIGSAW BLADES PKT5</p>	WILPU 55x0.7 PITCH		PKT5	WILMG107BI	
Teeth milled and wavy set. Flexible blade for very thin metal sheets, stainless steel (0.5-1.5mm). <b>Long lifetime.</b>					
 <p>JSBI:MG11 JIGSAW BLADES STEEL</p>	WILPU 55x1.2 PITCH	T118A	PKT5	WILMG11	
Teeth milled and wavy set. Thin metal sheets of steel and stainless steel (1.2-2mm).					
 <p>JSBI:MG11B JIGSAW BLADES STEEL</p>	WILPU 55x1.2 PITCH	T118AF	PKT5	WILMG11BI	
Teeth milled and wavy set. Flexible blade for steel and stainless steel (1.2-2mm). <b>Long lifetime.</b>					
 <p>JSBI:MG12B JIGSAW BLADES STEEL</p>	WILPU 55x2.0 PITCH	T118BF	PKT5	WILMG12BI	
Teeth milled and wavy set. Flexible blade for steel and stainless steel, non-ferrous metal, aluminium (2.5-6mm). <b>Long lifetime.</b>					
 <p>JSBI:MG31B JIGSAW BLADES PKT5</p>	WILPU 105x1.0 PITCH	T318AF	PKT5	WILMG31BI	
Teeth milled and wavy set. Long and flexible blade for steel (1-3mm), pipes, profiles and sandwich-materials up to 80mm. <b>Long lifetime.</b>					
 <p>JSBI:MG32B JIGSAW BLADES PKT5</p>	WILPU 105x1.8 PITCH	T318BF	PKT5	WILMG32BI	
Teeth milled and wavy set. Long and flexible blade for steel (2.5-6mm), pipes, profiles and sandwich-materials up to 80mm, non-ferrous metals. <b>Long lifetime.</b>					
 <p>JSBS:MHC12R JIGSAW BLADE D/CUT</p>	WILPU 75x2.5 PITCH		PKT5	WILMHC12R	
Reverse cut. Teeth milled and wavy set. <b>Clean cut:</b> all wood types (<30mm), plastics.					

**KEY**

 Plywood, hardwood, softwood, chipboard	 Wood with metal residues	 Steel pipes, steel profiles	 Aluminium	 Sheet metals	 Non-ferrous metals	 Stainless steel	 Special cooling fluid recommended: Cutting compound ESP	 Plastics	 Perspex	 Sandwich materials
 Insulation material	 Gas-formed concrete	 Curved saw blade	 High cutting performance	 COMBO						

# Jigsaw/Sabre Saw Blades

JIGSAW BLADES		WILPU®	
DESCRIPTION	GENERIC NO.	UNIT	PART NO.
 <p>JSHS:MHC2 JIGSAW BLADES PKT5</p>	WILPU 60x2.5 PITCH	PKT5	WILMHC2
	Teeth milled and wavy set. <b>Clean cut:</b> all wood types (<30mm), plastics.	  	
 <p>JSBI:S007/200 SABRE SAW BLADES</p>	WILPU 180xM TOOTH	PKT5	WIL007-200BI
	Extra thick blade with patented M-toothing. For parallel cuts in large diameter pipes (our recommendation is to use a sabre saw with a pipe clamp).	    	
 <p>JSBI:S1014C SABRE SAWBLADES</p>	WILPU 130x10-14 T.P.I.	PKT5	WIL1014C-150BI
	Teeth milled and side set. <b>Combo-toothed.</b> For all types of wood with metal residues, steel (< 2.5mm). <b>Especially for pallet repair.</b>	    	
 <p>JSHS:S1014C SABRE SAWBLADES</p>	WILPU 260x10-14 T.P.I.	PKT5	WIL1014C-280
	Teeth milled and side set. <b>Combo-toothed.</b> For all types of wood with metal residues, steel (< 2.5mm). <b>Especially for pallet repair.</b>	    	
 <p>JSBI:S1014C SABRE SAWBLADES</p>	WILPU 205x10-14 T.P.I.	PKT5	WIL1014CD-225BI
	Teeth milled and side set. <b>Combo-toothed.</b> Special thick blade for straight cuts in all types of wood with metal residues, steel (< 2.5mm). <b>Especially for pallet repair.</b>	    	
 <p>JSBI:S3013B SABRE SAWBLADES P5</p>	WILPU 130x14 T.P.I.	PKT5	WIL3013-150BI
	Teeth milled and wavy set. All-round blade for steel and stainless steel from 2.5 to 3.5mm and non-ferrous metals.	    	
 <p>JSBI:S1122BF SABRE S/BLADES P5</p>	WILPU 180x14 T.P.I.	PKT5	WIL3013-200
	Teeth milled and wavy set. All-round blade for steel and stainless steel from 2.5 to 3.5mm and non-ferrous metals.	    	
 <p>JSBI:S3014B SABRE SAWBLADES P5</p>	WILPU 130x14 T.P.I.	PKT5	WIL3014-150BI
	Teeth milled and wavy set. All-round blade for steel and stainless steel from 1.5 to 2.5mm.	   	
 <p>JSBI:S3014 SABRE SAWBLADES P5</p>	WILPU 230x18 T.P.I.	PKT5	WIL3014-250BI
	Teeth milled and wavy set. All-round blade for steel and stainless steel from 1.5 to 2.5mm.	   	
 <p>JSBI:S3015 SABRE SAWBLADES PK5</p>	WILPU 130x24 T.P.I.	PKT5	WIL3015-150
	Teeth milled and wavy set. Finely toothed saw blade for sheet metals, steel thicker than 1.2mm. <b>Long lifetime.</b>	    	
 <p>JSBI:S3012B SABRE SAWBLADES P5</p>	WILPU 130x6 T.P.I.	PKT5	WIL3021-150BI
	Teeth milled and side set. Special thick blade for fast and straight cuts in all types of wood and plastics. <b>Long lifetime.</b>	   	

**KEY**

 Plywood, hardwood, softwood, chipboard	 Wood with metal residues	 Steel pipes, steel profiles	 Sheet metals	 Non-ferrous metals	 Special cooling fluid recommended: Cutting compound ESP	 Plastics	 Pallet repair	 High cutting performance
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# Sabre Saw/Hacksaw Blades

SABRE SAW BLADES/HACKSAW BLADES		WILPU®	
DESCRIPTION	GENERIC NO.	UNIT	PART NO.
 <p>JSHS:S3021GP SABRE SAWBLADES</p>	WILPU 280x6 T.P.I.	PKT5	WIL3021-300
 <p>JSBI:S3021B SABRE SAWBLADES P5</p>	WILPU 280x6 T.P.I.	PKT5	WIL3021-300BI
 <p>JSHS:3022GP SABRE SAWBLADES P5</p>	WILPU 130x6 T.P.I.	PKT5	WIL3022-150
 <p>HSBI:S58C WOODNAIL S/SAW BLADE</p>	WILPU 205x5-8 T.P.I.	PKT5	WIL58C-225
 <p>JSTC:UHC12 JIGSAW BLADES PKT5</p>	WILPU	PKT5	WILUHC12
 <p>JSTC:UHC12R JIGSAW BLADES PKT5</p>	WILPU 75x2.5 PITCH	PKT5	WILUHC12R
 <p>JSTC:UHC14 JIGSAW BLADES PKT5</p>	WILPU 75x4.0 PITCH	PKT5	WILUHC14

## KEY



Plywood, hardwood, softwood, chipboard



Wood with metal residues



Steel pipes, steel profiles



Sheet metals



Special cooling fluid recommended: Cutting compound ESP



Plastics



Glass-fibre reinforced products



Carbon-fibre reinforced products



Gypsum board



Reverse teeth



Curved saw blade



High cutting performance

HACKSAW BLADES	
DIMENSIONS	PART NO.
18 T.P.I. x 12" Bi-Metal	STRBBS1218
24 T.P.I. x 12" Bi-Metal	STRBBS1224
32 T.P.I. x 12" Bi-Metal	STRBBS1232



## Jigsaw Blade Index

### Select Blades using the following Symbols

Aluminium



Carbon Fibre, Re-inforced Plastics



Ceramics



Chip Board, Plywood, Hard wood Soft wood



Glass, Plastics



Laminate coated parquet



Non Ferrous metals



Plastics, Perspex, Glass fibre



Plastics



Sheet Metals



Stainless Steel



Steel Pipes, and Profiles



Wood with Nail Biters

Reverse Teeth (Up Cut)



Sabre Saws, Hacksaw Blades

## Festool Oscillating Saw Blades

### OSCILLATING WOOD SAW BLADES

Width (mm)	Qty	Part Number
50mm x 35w	1pkt	FES500128
50mm x 35w	5pkt	FES500142
50mm x 35w	25pkt	FES500152
50mm x 45w	1pkt	FES500132
50mm x 45w	5pkt	FES500146
50mm x 45w	25pkt	FES500156
50mm x 55w	1pkt	FES500134
50mm x 55w	5pkt	FES500148
50mm x 55w	25pkt	FES500158
50mm x 65w	1pkt	FES500131
50mm x 65w	5pkt	FES500145
50mm x 65w	25pkt	FES500155
100mm	1pkt	FES500139



See Page 9-71 for Machine details

**Multi-Tool Vecturo Set**  
Positioning Guide & depth stop Set  
Universal Saw Blade USB 78/32/Bi

**FES563001**

### OSCILLATING METAL SAW BLADES

#### Bi Metal - Ali, Non Ferrous Metals

Width (mm)	Qty	Part Number
50mm x 35w	1pkt	FES500126
50mm x 35w	5pkt	FES500140
50mm x 35w	25pkt	FES500150

#### Processing a range of different Metals

50mm x 35w	1pkt	FES500130
50mm x 35w	5pkt	FES500144
50mm x 35w	25pkt	FES500154
50mm x 65w	1pkt	FES500135
50mm x 65w	5pkt	FES500149
50mm x 65w	25pkt	FES500159
78mm x 32w	1pkt	FES500129
78mm x 32w	5pkt	FES500143
78mm x 32w	25pkt	FES500153
88mm x 42w	1pkt	FES500133
88mm x 42w	5pkt	FES500147
88mm x 42w	25pkt	FES500157

### SPECIAL BLADES

Special Blades for removing window glass, Silicone or adhesive

Width (mm)	Qty	Part Number
32mm	1pkt	FES500137
56mm	5pkt	FES500138
100mm	1pkt	FES500136

### E-CUT UNIVERSAL SAW BLADE



Broad range of applications with bi-metal teeth. Saws wood up to 50 mm, plastics, sheet metal up to 2 mm, copper or aluminium pipes and profiles. With FEIN multi mounting, suitable for all standard multifunctional tools. Length 60 mm, form 152

Width (mm)	Qty	Part Number
44	1	FEI63502152210
44	3	FEI63502152220
44	10	FEI63502152240

## E-CUT LONG LIFE SAW BLADE



### Nail Biter High Cutting Speed

Bi-metallic teeth, stepped, high cutting speed. Extremely durable and robust. For hardwood, softwood and all other wooden materials -including those with nails. Also perfectly suited to plastics and plasterboard. With FEIN multi mounting, suitable for all standard multifunctional tools. Length 50 mm, form I 60

Width (mm)	Qty	Part Number
35	1	FEI63502160210
35	3	FEI63502160220
35	10	FEI63502160240

## FEIN MULTI TALENT QUICKSTART



### -Star lock plus tool mounting

3D form ensures the perfect fit for accessories. 100% power transmission without losses for upto 35% more work progress coupled with improved precision.

### -QuickIN

Patented tool-free FEIN rapid clamping system. When combined with starlock, safely and conveniently delivers the fastest tool change of less than 3 seconds

### -Metal Gearbox

Ability to withstand high loading and outstanding service life. All gearbox parts are made from metal

### -High-power motor

Motor with high copper content for maximum output, more suited to continuous use and overload. Excellent smooth running through use of ball bearing on both sides. Barrel-type design for maximum stability

### -Industrial Cable

Large working radius thanks to finely stranded 5 metre rubber cable of industrial quality

Fein MultiTalent QuickStart 250W FEIFMT250Q

## E-CUT UNIVERSAL SAW BLADE



Broad range of applications with bi-metal teeth. Saws wood up to 50 mm, plastics, sheet metal up to 2 mm, copper or aluminium pipes and profiles. With FEIN multi mounting, suitable for all standard multifunctional tools. Length 60 mm, form I 51

Width (mm)	Qty	Part Number
28	1	FEI63502151210
28	3	FEI63502151220
28	10	FEI63502151240

## SEGMENT SAW BLADE STEPPED

### Nail Biter High Cutting Speed

Segment Saw Blade, Angled only for soft materials. Ideal for working in corners, flush to the surface.

Ø 84 mm

Width (mm)	Qty	Part Number
84		FEI63502113210



## FEIN TOP MULTIMASTER KIT FMM 350 QSL



### -Anti-vibration system

Self-supporting motor with full separation from the housing provides effective reduction of vibrations

### -StarlockPlus tool mounting

3D form ensures the perfect fit for accessories. 100% power transmission without losses for upto 35% more work progress coupled with improved precision

### -QuickIN

When combined with starlock, safely and conveniently delivers the fastest tool change of less than 3 seconds

### -Tacho generator

High quality electronics for constant speeds under load.

### -Interface

Mechanical interface for stationary operation in the table or drill jig holder or for securing the depth stop

### -Metal Gearbox

Ability to withstand high loading and outstanding service life.

### -Mains-and battery-operated version

Virtually identical performance from all FEIN MULTI Talent units

350W Oscillating Power Tool  
Cordless 18V

FEIFMM350Q  
FEIAFMM18QSL

## E-CUT LONG LIFE BI-METAL BLADE



Bi-metallic teeth, stepped, high cutting speed. Extremely durable and robust. For hardwood, softwood and all other wooden materials -including those with nails. Also perfectly suited to plastics and plasterboard. With FEIN multi mounting, suitable for all standard multifunctional tools.

Length 50 mm, form 161

Width (mm)	Qty	Part Number
65	1	FEI63502126210
65	3	FEI63502161220
65	10	FEI63502161240

## E-CUT LONG LIFE BI-METAL BLADE



Highest cutting speed and precision thanks to double-row Japan toothing. For wood up to 50 mm, plasterboard and soft plastics. With FEIN multi mounting, suitable for all standard multifunctional tools. Length 50 mm, form 126

Width (mm)	Qty	Part Number
35	1	FEI63502126210
35	3	FEI63502126220
35	10	FEI63502126240

## E-CUT PRECISION SAW BLADE



Highest cutting speed and precision thanks to double-row Japan toothing. For wood up to 50 mm, plasterboard and soft plastics. With FEIN multi mounting, suitable for all standard multifunctional tools.

Length 50 mm, form 127

Width (mm)	Qty	Part Number
65	1	FEI63502127210
65	3	FEI63502127220
65	10	FEI63502127240

## HSS SEGMENT SAW BLADE



For plastics, fibreglass, wood, putty, non-ferrous metal and sheet metal up to about 1 mm. Ideal for working in corners.

Width (mm)	Qty	Part Number
80	1	FEI63502106210
80	2	FEI63502106220
80	5	FEI63502106230

## E-CUT STANDARD SAW BLADE



Saw wood up to 50 mm, plasterboard and soft plastics. You can plunge in easily at any point in the material. With FEIN multi mounting, suitable for all standard multifunctional tools. Length 50 mm, form 133

Width (mm)	Qty	Part Number
35	1	FEI63502133210
35	3	FEI63502133220
35	10	FEI63502133240

## E-CUT STANDARD SAW BLADE



Saw wood up to 50 mm, plasterboard and soft plastics. You can plunge in easily at any point in the material. With FEIN multi mounting, suitable for all standard multifunctional tools. Length 50 mm, form 134

Width (mm)	Qty	Part Number
65	1	FEI63502134210
65	3	FEI63502134220
35	10	FEI63502134240

## 6 Tool Holders and Accessories

<b>6-1 CNC Chuck Overview</b>	<b>6-1</b>
CNC Collet Chucks	6-2
Hydro Clamping Chucks & Tribos Chucks	6-3
Collets for CNC Chucks & Spanners	6-4
Clamping for Drilling Bits	6-5
Leuco Mounting Arbors	6-6
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Dust Covers	6-9



## Overview of Clamping Elements

### Comparison of Clamping Elements

Which clamping element is suitable for you?

The main task of a clamping system is to create a link between tool and spindle regardless whether it is a shank-type tool or a tool with bore. It has to be made sure that the necessary torque can be transmitted and that during operation the emerging longitudinal and lateral forces can be absorbed. In addition, the clamping element must create a perfectly aligned link to the tool as well as to the motor spindle. The LEUCO range of clamping elements covers applications with low demands as well as high-end applications.

### Clamping Elements For CNC Technology at LEUCO

#### Draw-In Collet Chuck

- **Operating Principle:** The collet chuck (1) is cone-shaped on the outside and has a cylindrical bore where tools are inserted. The collet chuck is radially slotted. The round head screw (2) clamps the collet chuck in the drawn-in collet chuck (3); thus the tool is fixed.
- **Concentric Accuracy:** 0.02 to 0.06mm
- **Max. RPM:** 18,000 min (24,000 min)
- **Handling:** Simple handling in cost-effective tool holders by means of hook wrenches.
- **Sense of rotation right / Left :** Ri/Le suitable (Attention with large diameter and heavy tools)
- **Clamping errors:** Operating error possible when building up the clamping force. User determines the torque.
- **Smooth Running, Cutting Quality, Edge Life:** Good
- **Recommended application area:** Low demand applications (e.g drill bits, ZI-shank-type cutters). Cost effective and flexible clamping element.



#### Hydro Clamping Chuck ps-System

- **Operating Principle:** The closed hydraulic system allows highest clamping forces. By means of an allen wrench the liquid (1) is squeezed and compresses the cylindrical bore (2). This creates high clamping forces which fix the tools safely.
- **Concentric Accuracy:** < 0.006 mm
- **Max. RPM:** 30,000 min
- **Handling:** Very simple handling, impressurement without effort by means of hexagonal allen wrench.
- **Sense of rotation right / Left :** Ri/Le to be used without problems.
- **Clamping errors:** Operating error improbable when building up the clamping force.
- **Smooth Running, Cutting Quality, Edge Life:** Excellent
- **Recommended application area:** High demand applications . User friendly clamping element.



#### Power shrink-Fit Chuck Tribos

- **Concentric Accuracy:** < 0.003mm
- **Max. RPM:** 40,000 min
- **Handling:** Simple handling by means of hydraulic press.
- **Sense of rotation Right / Left :** Ri/Le to be used without problems.
- **Clamping errors:** No operating error when building up the clamping force
- **Smooth Running, Cutting Quality, Edge Life:** Excellent
- **Recommended application area:** High demand applications. Very slim design.



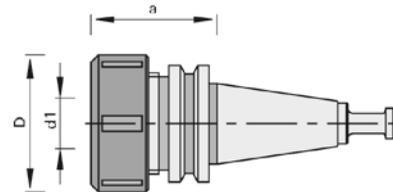
## CNC CHUCKS

### LEUCO Draw-In Collet Chucks with SK Shank

Product



Drawing



LEUCO  
GNC

Machine / Application

- | CNC machining centers with automatic tool changer.
- | For clamping of shank-type tools with cylindrical shank.

Design

- | Quick-release taper according to DIN 69871 and ISO (without dog and locating grooves).
- | Lock nut with sleeve bearing.

Advantages

- | Minimisation of setup-times thanks to easy and quick tool change.
- | High cutting quality and long edge lives thanks to high concentricity.

Notes

- | For right and left hand rotation.
- | Collet chucks according to Type 470 E Ø 2.20mm, Type 472 E Ø 4.25mm.
- | Included: collet chuck, clamping nut, retaining bolt.

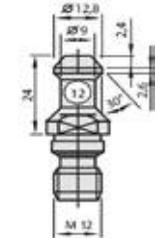
D	d l	a	SHANK	COLLET	PART NO.
50	2-20	50	SK30 (DIN)	470E	LEU173639
63	4-25	57	SK30 (DIN)	472E	LEU175790

### LEUCO Retaining Bolts for SK Series Chucks

STYLE	TYPE NO.	MACHINE	PART NO.
SK30	4	Rover new, Biesse HSD motor 92 – Masterwood (Colombo Motor)	LEU173641
SK30 iso	12	CMS, Masterwood	LEU177021



TYPE 1-3-4



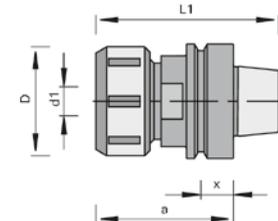
TYPE 12

### LEUCO Drawn in Collet Chuck with HSK Shank

Product



Drawing



LEUCO  
GNC

Machine / Application

- | CNC machining centers with automatic tool changer.
- | For precise clamping of shanktype tools with cylindrical shank.

Design

- | Lock nut with sleeve bearing.

Advantages

- | Flexible utilisation by collet chucks.

Notes

- | For right and left hand rotation.
- | Ø d1 = collet chuck diameter 2-25mm.
- | Collet chucks according to DIN 6388: 1) Type 462E;
- | Included in delivery: collet chuck, clamping nut without spanner wrench.

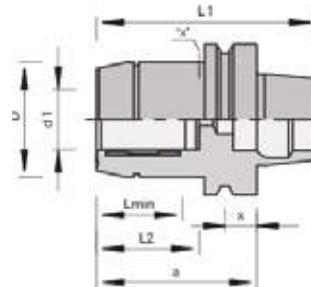
D	d l	a	SHANK	COLLET	PART NO.
60	2-25	76	HSK 63F	462E	LEU173293

## LEUCO Hydro Clamping Chucks Ps-System with HSK 63F Shank

Product



Drawing



LEUCO  
PS) (System)

Machine / Application

- | CNC machining centers with automatic tool changer.
- | For clamping of shank-type tools with cylindrical shank.

Design

- | n max = 30,000 min -1
- | interface DIN 69893 HSK 63 F

Advantages

- | minimization of setup-times thanks to easy and quick tool change
- | high cutting quality and long edge lives thanks to high concentricity
- | optimum torque transfer

Notes

- | for right- and lefthand rotation
- | with bore for installation of micro chips for electronic tool detection
- | x = impressurement by means of screwdriver
- | hexagonal screwdriver is not included in delivery
- | Lmin minimum clamping length = minimum shaft length

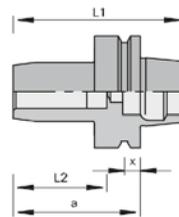
ØdI	Lmin	L2	Ød	ØD	L1	a	x	WEIGHT	PART NO
10	31	41	HSK 63F	30	105	80	18	1.2	LEU184725
12	36	46	HSK 63F	32	105	80	18	1.16	LEU184306
16	39	49	HSK 63F	38	105	80	18	1.20	LEU184307
20	41	51	HSK 63F	52.5	105	80	18	1.30	LEU184308
25	47	57	HSK 63F	52.5	109	84	18	1.28	LEU184309
<b>* 3/8</b>	<b>31</b>	<b>41</b>	<b>HSK 63F</b>	<b>30</b>	<b>105</b>	<b>80</b>	<b>18</b>	<b>1.2</b>	<b>LEU184724</b>
1/2	36	47,5	HSK 63F	32	105	80	18	1.2	LEU184726
3/8	48	60	SK 30		130	75	8	1.2	<b>LEU80388725</b>
[inch]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg]	

## LEUCO Tribos Pressure Shrinking Chucks

Product



Drawing



LEUCO  
GNC

Machine / Application

- | CNC machining centers with automatic tool changer.
- | For precise clamping of shanktype tools with cylindrical shank.

Design

- | n max = 40,000 min-1
- Notes
- | For right and left hand rotation.

Advantages

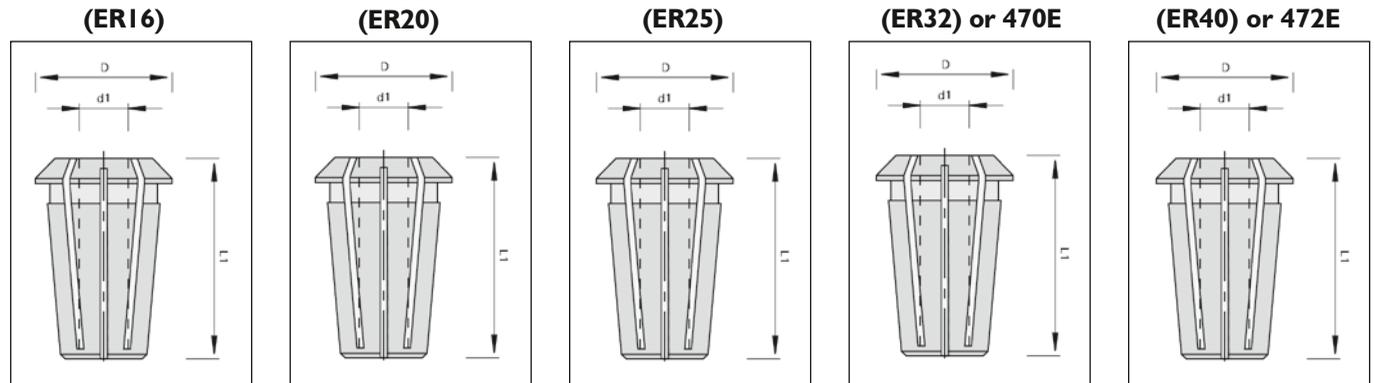
- | High performance at up to 40,000 RPM.
- | Ultra precision – less than 3 microns run out, 15 times more accurate than a Collet Chuck.
- | Suited to long term diamond and disposable knife tools.
- | Low weight – easy on machine bearings.
- | Optimum chip extraction due to slim design.

d I	SHANK	D	L1	L2	a	PART NO
12	HSK 63F	19	100	48.5	75	LEU180257
16	HSK 63F	26	100	55	75	LEU180899
20	HSK 63F	30	100	52.9	75	LEU180258
<b>*25</b>	<b>HSK 63F</b>	<b>35</b>	<b>100</b>	<b>55</b>	<b>75</b>	<b>LEU180710</b>
<b>*25</b>	<b>SK30 (din)</b>	<b>35</b>	<b>127</b>	<b>55</b>	<b>80</b>	<b>LEU180836</b>

**\* Most Popular**

## COLLETS FOR CNC CHUCKS

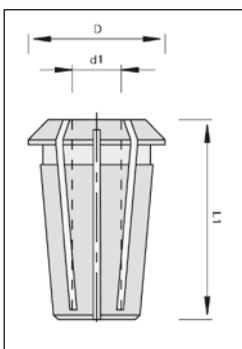
### LEUCO Precision Collet Chucks



Dimensions	Dimensions	Dimensions	Dimensions	Dimensions
LI 27.5mm	LI 31.5mm	LI 34mm	LI 40mm	LI 46mm
D 17.0mm	D 21.0mm	D 26mm	D 33mm	D 41mm
+ or - 10mm Tolerance	+ or - 10mm Tolerance	+ or - 1.0mm Tolerance	+ or - 1.0mm Tolerance	+ or - 1.0mm Tolerance

d	PART NO.								
1/8	VOR04216-1/8	6	VOR04220-06	6	VOR04225-06	3	LEU173647	1/8	VOR04240-1/8
6	VOR02416-06	1/4	VOR04220-1/4	1/4	VOR04225-1/4	1/8	VOR04232-1/8	6	LEU180912
1/4	VOR04216-1/4	8	VOR04220-08	8	VOR04225-08	4	LEU173648	1/4	LEU175838
8	VOR04216-08	3/8	VOR04220-3/8	3/8	VOR04225-3/8	5	LEU173649	8	LEU180913
3/8	VOR04216-3/8	10	VOR04220-10	10	VOR04225-10	1/4	LEU175829	3/8	VOR04240-3/8
10	VOR04216-10	1/2	VOR04220-1/2	10	VOR04285-10	6	LEU173650	10	LEU180914
				1/2	VOR04225-1/2	8	LEU173652	12	LEU175833
				16	VOR04225-16	3/8	VOR04232-3/8	16	LEU175834
						10	LEU173653	3/4	LEU175841
						12	LEU173654	20	LEU175836
						1/2	VOR04232-1/2	25	LEU175837
						16	LEU173657		
						3/4	LEU175832		
						20	LEU173660		

#### 462E/DIN



Dimensions	
LI	52mm
D	34.8mm
+ or - 0.5mm Tolerance	
d	PART NO.
6	LEU180213
1/4	LEU175815
8	LEU180358
3/8	LEU185275
10	LEU170782
12	LEU168742
1/2	LEU175820
5/8	LEU175823
16	LEU168743
3/4	LEU175826
20	LEU168744
25	LEU168745

**NOTE:** Use exact size collets when using compression carbide spirals. Example 3/8 not 9-10mm

## Hook Wrenches



DESCRIPTION	PART NO
SW40/42	LEU169298
SW45/50	LEU175851
SW58/62	LEU169299

See Spare Parts Section 11-5 for full list of Spanners

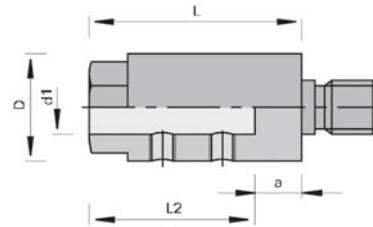
## CLAMPING FOR DRILLING BITS

### LEUCO Boring Bit Collet Chucks

Product



Drawing



LEUCO

Machine / Application

I For mounting of drill bits with cylindrical shank and clamping surface.

Design

I Drill bits are clamped with set screws.

Notes

I Clamping chucks with "BSS" mark are compatible with quick-changing system for drill bits.  
I For threaded shank design and appropriate machines see technical information.

D	d 1	L2	L	a	THREAD	L/H PART NO.	R/H PART NO.
19	10	20	24.5	4.5	8	LEU003575	LEU003574
<b>19</b>	<b>10</b>	<b>20</b>	<b>25</b>	<b>5</b>	<b>10</b>	<b>LEU003571</b>	<b>LEU003570</b>

**\*Most Popular**

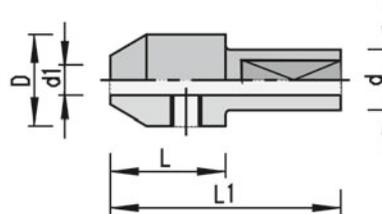
## HOLDERS FOR SMALL DIAMETER DRILL BITS

### LEUCO Clamp Adapters for Twist Drills

Product



Drawing



LEUCO

These high precision hardened drill adapters are ideal for clamping LEUCO solid carbide twist drills for excellent performance on CNC machines.

Fits straight into standard drill chucks or can be held in Collet chuck.

D1 mm	L mm	d mm	L1 mm	PART NO.
2	19	10	38	LEU183275
2.5	19	10	38	LEU183276
3	19	10	38	LEU183277
3.5	19	10	38	LEU183278
4	19	10	38	LEU183279
5	19	10	38	LEU183280

**Accessories**

Grub Screws

LEU1680003

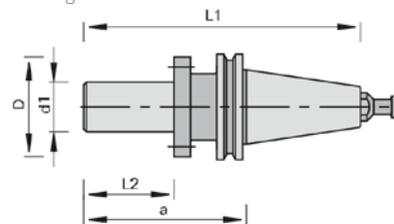
## LEUCO MOUNTING ARBORS FOR – CUTTERS WITH BORE

### LEUCO Adapters with SK shank

Product



Drawing



LEUCO  
CNC

Machine / Application

- | CNC machining centers with automatic tool changer.
- | For precise mounting of tools with bore.

Design

- | Clamping length L2 = 50mm for multiple-part cutters and cutterheads.
- | Quick-release taper according to DIN 69871 (without dog and locating grooves).
- | Tool attached and secured against rotation with screws.

Notes

- | For right and left hand rotation.
- | With retaining bolt according to DIN 69872 for SK 30 type A, SK 40 type B.
- | Machines SK 30: IMA, Maka, Reichenbacher, Weeke.
- | Machines DK 40: IMA, Maka, Reichenbacher, Stegherr.

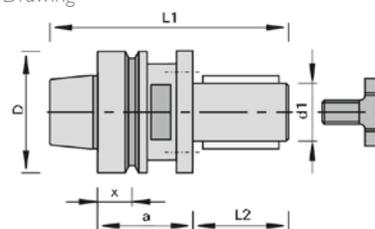
O.D.	Od	L2	L1	a	PART NO.
60	SK30	55	147.8	100	LEU182167

### LEUCO Mounting Arbors with HSK Shank

Product



Drawing



LEUCO  
CNC

Machine / Application

- | CNC machining centers with automatic tool changer.
- | For precise mounting of tools with bore with double keyway.

Design

- | With 6 pin holes M6-8mm deep TK 48mm.
- | Interface DIN 69893 HSK 63 F.
- | Clamping length L2 = 50mm for multiple-part cutters and cutterheads.
- | Secured against rotation with double key.

Advantages

- | High feed rates thanks to optimum torque transfer.

Notes

- | For right and left hand rotation.
- | Spacer ring Ident-No. 181193 consists of: 1 piece 20mm thick, 1 piece 10mm thick, 3 piece 5mm thick, 2 piece 2mm thick, 1 piece 1mm thick.
- | Spacer ring set Ident-No. 181194 additionally 1 piece 20mm thick, 1 piece 10mm thick.
- | Tool attached with retaining bolt.
- | Included in delivery: clamping arbor with retaining bolt.

O.D.	Od	Od I	L2	L1	a	PART NO.
63	HSK 63F	30	50	125	50	LEU178693
63	HSK 63F	30	80	155	50	LEU178641

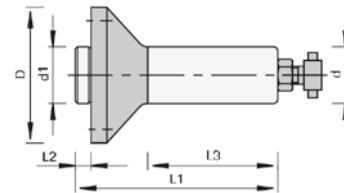
## LEUCO SHANK ADAPTERS FOR – CUTTERS WITH BORE

### LEUCO Adapters with Cylindrical Shank

Product



Drawing



LEUCO  
GVC

Machine / Application

For PS 2000-E and draw-in collet chuck for the mounting of tools with bore.

Design

Tool attached and secured against rotation with screws.

Notes

For right and left hand rotation.  
Length adjusting screw Ident-No. 172921 is required for PS 2000-E.  
Clamping length L2 = 30 and 36mm for single and multi-piece cutters and cutterheads.  
Clamping length L2 = 4 and 5mm for circular saw blades and grooving cutters.  
Included in delivery: mounting arbor and PS length adjusting screw for shank  $\varnothing$  25 Ident-No. 172113.

D	d l	L2	L1	L3	PART NO.
50	22	4	92	60	LEU167825
60	30	36	117	60	LEU168815

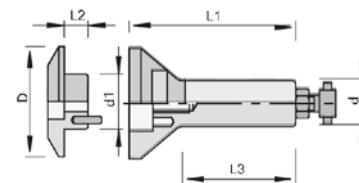
## LEUCO SHANK ADAPTERS FOR – SAW BLADES

### LEUCO Adapters with Cylindrical Shank

Product



Drawing



LEUCO  
GVC

Machine / Application

For PS 2000-E and draw-in collet chuck for mounting of circular saw blades and grooving cutters.

Design

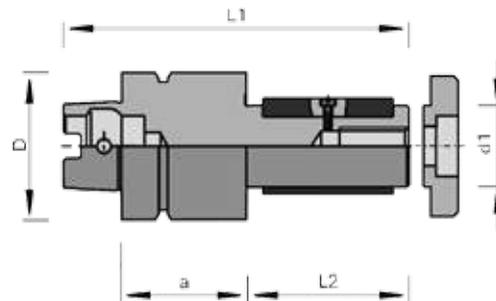
Secured against rotation with drive pin.

Notes

For right and left hand rotation.  
Length adjusting screw Ident-No. 172921 is required for PS 2000-E.  
Included in delivery: clamping arbor, clamping flange, cap screw and length adjusting screw for PS-System for shank  $\varnothing$  16 Ident-No. 172115, shank  $\varnothing$  25 Ident-No. 172113.

D	d l	L2	L1	L3	PART NO.
60	30	8	78	43	LEU171394
60	30	9	94	55	LEU167826

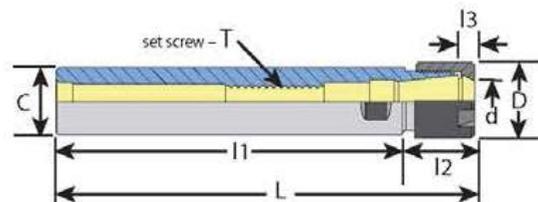
## VORTEX TOOL COMPANY INC. HSK 63F Arbors



- Special 3 screw design improves safety
- Precision ground taper provides high accuracy
- Balanced to 25,000 RPM @G2.5

DESCRIPTION	L	GL	D	B	N	PART NO
HSK63F x 31.4 x 55	55	45	31.4	20	42	VOR41060
HSK63F x 31.4 x 80	80	45	31.4	20	42	VOR41080-3H
HSK63F x 31.4 x 100	100	45	31.4	20	42	VOR41085
HSK63F x 31.4 x 112	112	45	31.4	20	42	VOR41087

## VORTEX TOOL COMPANY INC. Straight Shank Extensions



- Works with any toolholder
- Precision ground pocket
- Includes ER mini nut

C	d	L1	L	I2	I3	D	WRENCH	PART NO
9.5	ER 8M	100	124	24	6	12	04620	VOR04889
12.7	ER 11M	140	166.5	26.5	6.6	16	04621	VOR04891
15.9	ER 11M	140	158.5	18.5	6.6	16	04621	VOR04893
12.7	ER 16M	140	177	37	10.6	22	04622	VOR04895
19	ER 16M	140	165	25	10.6	22	04622	VOR04896
19	ER 20M	140	180	40	11.5	28	04623	VOR04894
25	ER 20M	140	168	28	11.5	28	04623	VOR04897
19	ER 25M	100	140	40	12	35	04624	VOR04898
25	ER 25M	140	190	50	12	35	04624	VOR04888

## VORTEX TOOL COMPANY INC. Dust Covers



Installation:

- 1 - Place dust cover on tool shank
- 2 - Insert tool into collet/nut assembly
- 3 - Tighten assembly into toolholder using proper torque

Note: Do not slide dust cover over cutting edge of tool as you may damage it.

| Eliminates cleaning collets

| Extends life of your collets

| Extends tool life by maintaining T.I.R

DESCRIPTION	TOOL SHANK DIAMETER	PART NO
5pc Dust Cover Set	6.4	VORDC32-1/4
5pc Dust Cover Set	9.5	VORDC32-3/8
5pc Dust Cover Set	12.7	VORDC32-1/2

## VORTEX TOOL COMPANY INC. Tightening Stands



**VE340 Model Stand**



**NTS Model Stand**

| For HSK, ISO and BT spindles

| Bolts right onto workbench

DESCRIPTION	USED WITH TOOL HOLDER NO	PART NO
ISO 30 Taper - 36mm flats	12213-W-63, 12213-W-90	VORNTS-ISO30-36
ISO 30 Taper - 38mm flats	NT-54300130	VORNTS-ISO30-38
ISO 30 Taper - 47mm flats	12213-W-50	VORNTS-ISO30-47
BT 30 Taper - 41mm flats	06113-W-60	VORNTS-BT30-41
HSK63F - 36mm flats	30000	VORNTS-HSK63F-36
HSK63F - 38mm flats	41025	VORNTS-HSK63F-38
HSK63F - 46mm flats	30001	VORNTS-HSK63F-46
Universal HSK63F	Used for any HSK63F Taper	VORVE340

## CNC CHUCK ACCESSORIES

### Spindle Wipes

| Real lambskin providing the best cleaning.

DESCRIPTION	PART NO.
30mm taper x 60mm length. Total Length 170mm	VOR17706
HSK 63F x 31mm length. Total Length 165mm	VOR07711



### Cone Wipers

| For cleaning of the inner cones of the cone tool adapters.

D	d l	PART NO.
50mm	SK30	LEU180907
63mm	HSK63	LEU180911



## 7 Drilling and Boring

### 7-1 Boring Bits

Cylinder Bits	7-1
Dowel Bits	7-2
Through Bits	7-3
Clamping for Drilling Bits	7-5

### 7-2 Countersinks

Drill Mounted Countersinks	7-7
H.S.S Drill Bits	7-8
Bordo H.S.S. Jobber Twist Drills	7-9

### 7-3 Drills

T.C.T Countersink H.S.S Drill Bit	7-11
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### 7-4 Plug and Tenon Cutters

Plug Cutters	7-12
Tenon Cutters	7-13
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### 7-5 Hole Saws

Starrett Bi-Metal	7-15
Tungsten Carbide Tipped	7-16
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Deep Cut Hole Saws	7-18
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Arbors	7-22
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### 7-6 Mortising

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### 7-7 Screwdriver Bits

	7-27
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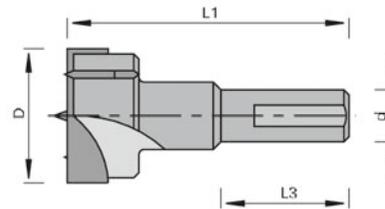
## Cylinder Boring Bits

### LEUCO Cylinder Boring Bits

Product



Drawing



Tungsten Carbide [HW]

MAN

Machine / Application

- Hardware hinge machines.
- Automatic boring machines.
- CNC machining centers.
- For chip-free drilling of hinge hardware holes in solid woods and wood-based panels.

Design

- 2 rakers, 2 spurs and centering point.
- HW-tipped.

Advantages

- Chip-free holes thanks to scoring cut of the spurs.

Notes

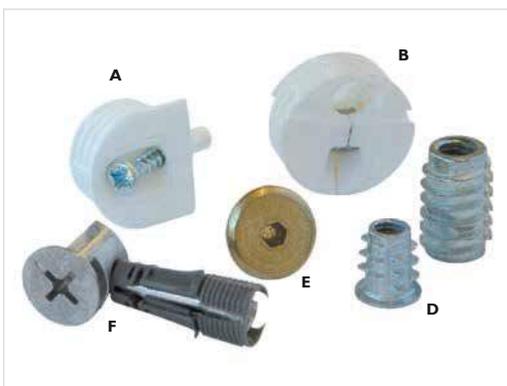
- Cylindrical shank with clamping surface and adjusting screw M5x10 DIN 551 Ident-No. 001600, Ident-No. 181520 M5x11,5 for Weeke quick-change chuck.
- Clamping element: combi chuck, quick-clamping chuck.

DIA	Lth	R/H PART NO	L/H PART NO	
15.0	70	LEU172250	LEU178978	
16.0	70	LEU183047	LEU177258	
18.0	70	LEU178984	LEU178983	
20.0	70	LEU172251	LEU178979	<b>70mm</b>
22.0	70	LEU182258	LEU182257	<b>(MOST POPULAR)</b>
25.0	70	LEU172252	LEU178980	
26.0	70	LEU182375	LEU182374	
30.0	70	LEU172253	LEU178981	
35.0	70	LEU172254	LEU178982	
40.0	70	LEU182260	LEU182259	
15.0	57	LEU003302	LEU003303	
16.0	57	LEU003304	LEU003305	
18.0	57	LEU003308	LEU003309	<b>57mm</b>
20.0	57	LEU003312	LEU003313	
22.0	57	LEU003314	LEU003315	
25.0	57	LEU003318	LEU003319	
26.0	57	LEU003320	LEU003321	
30.0	57	LEU003326	LEU003327	
35.0	57	LEU003332	LEU003333	
40.0	57	LEU003336	LEU003337	

### BORING BITS FOR HARDWARE TOOLING

#### EURO CABINET-MAKING FIXTURES DRILL REFERENCE

REF. NO.	DESCRIPTION	
A	Plug-in shelf connector	20mm
B	Hinge	35mm
C	Insert without skirt (D type)	10mm
D	Insert with skirt (C type)	8mm
E	Jen Cap Nut	6mm
F	Cam Lock	15mm



## Drill Bits

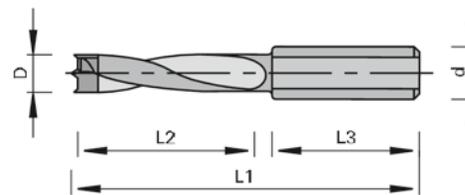
### DOWEL BITS MOST POPULAR

#### LEUCO Standard Range

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

Man

Machine / Application

- | Portable boring machines.
- | Automatic boring machines.
- | CNC machining centres.
- | For chip-free drilling of dowel holes in solid woods and wood-based panels.

Design

- | 2 negative spurs.
- | Centering point.
- | Spiral without back guide.
- | Plastic coated.
- | HW-tipped.

Advantages

- | Chip-free hole edges thanks to negative spurs.
- | Safe drilling thanks to centering point.
- | Optimum chip evacuation thanks to plastic coating.

Notes

- | Adjusting screw: Ident-No. 001600 M5x10 DIN 551 for precise length adjustment, Ident-No. 181520 M5x11,5 for Weeke quick-change chuck.
- | Clamping element: combi chuck, quick-change chuck.

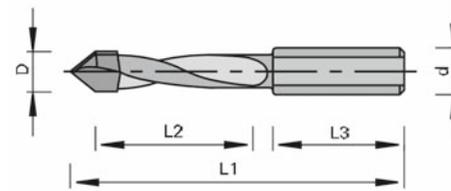
DIA	Lth	R/H PART NO	L/H PART NO	
<b>3.0</b>	<b>70</b>	<b>LEU182387</b>	<b>LEU182386</b>	
4.0	70	LEU173174	LEU173175	
4.5	70	LEU182264	LEU182263	
<b>5.0</b>	<b>70</b>	<b>LEU003230</b>	<b>LEU003231</b>	
4.76	70	VORDDB04770RB	VORDDB04770LO	
<b>6.0</b>	<b>70</b>	<b>LEU003234</b>	<b>LEU003235</b>	<b>70mm (MOST POPULAR)</b>
6.35	70	VORDDB06470RB	VORDDB06470LO	
6.5	70	LEU182270	LEU182269	
7.0	70	LEU167219	LEU167224	
7.5	70	LEU182272	LEU182271	
<b>8.0</b>	<b>70</b>	<b>LEU003242</b>	<b>LEU003243</b>	
8.1	70	LEU182274	LEU182273	
9.0	70	LEU167220	LEU167225	
9.5	70	VORDDB09570RB	VORDDB09570LO	
<b>10.0</b>	<b>70</b>	<b>LEU003250</b>	<b>LEU003251</b>	
10.2	70	LEU182280	LEU182279	
11.0	70	LEU167221	LEU167226	
<b>12.0</b>	<b>70</b>	<b>LEU167222</b>	<b>LEU167227</b>	
12.7	70	VORDDB12770RB	VORDDB12770LO	
13.0	70	LEU183043	LEU167209	
14.0	70	LEU177255	LEU177256	
5.0	77	LEU167228	LEU167233	
6.0	77	LEU167229	LEU167234	
8.0	77	LEU167230	LEU167235	<b>77mm</b>
10.0	77	LEU167231	LEU167236	
12.0	77	LEU173180	LEU173181	
4.0	57	LEU003174	LEU003175	
4.5	57	LEU177227	LEU177228	
5.0	57	LEU003178	LEU003179	
5.1	57	LEU177229	LEU177230	
6.0	57	LEU003182	LEU003183	<b>57mm</b>
7.0	57	LEU003186	LEU003187	
8.0	57	LEU003190	LEU003191	
9.0	57	LEU003194	LEU003195	
10.0	57	LEU003198	LEU003199	
12.0	57	LEU003206	LEU003207	
13.0	57	LEU167180	LEU167190	

## LEUCO Through Boring Bits

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MAN

Machine / Application

- | Portable boring machines.
- | Automatic boring machines.
- | CNC machining centres.
- | For drilling of through-holes in solid woods and wood-based panels.

Design

- | 2 v-point cutting edges (60° angle).
- | HW-tipped.
- | Cylindrical shank with clamping surface.
- | Spiral without back guide.

Notes

- | Adjusting screw: Ident-No. 001600 M5x10 DIN 551 for precise length adjustment, Ident-No. 181520 M5x11,5 for Weeke quick-change chuck.
- | Clamping element: combi chuck, quick-change chuck.

DIA	Lth	R/H PART NO	L/H PART NO
4.0	70	LEU182242	LEU182241
5.0	70	LEU176504	LEU176505
6.0	70	LEU176258	LEU176259
6.4	70	VORDTH6470RB	VORDTH06470LO
7.0	70	LEU181582	LEU181581
8.0	70	LEU176506	LEU176507
10.0	70	LEU182670	LEU182669

**70mm  
(MOST POPULAR)**

5.0	77	LEU176476	LEU176477
6.0	77	LEU176478	LEU176479
8.0	77	LEU176480	LEU176481
9.0	77	LEU182254	LEU182253
10.0	77	LEU176482	LEU176483
12.0	77	LEU176484	LEU176485

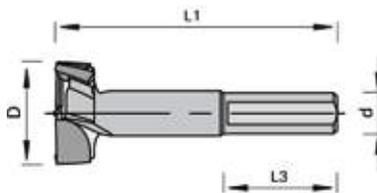
**77mm**

## LEUCO Cylinder Head Drill Bits 'Light'

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MAN

Machine / Application

- | Hardware hinge machines
- | Automatic boring machines.
- | CNC machining centres.
- | For chip-free drilling of hinge hardware holes in solid woods and wood based panels

Design

- | 2 rakers, 2 spurs and centering point
- | HW-tipped.

Advantages

- | chip-free bore holes even on partly open holes near the edge of the panel thanks to particular geometry of spurs
- | Excellent chip removal thanks to big gullets
- | Low cutting pressure

Notes

- | The shorter centre point allows for drilling deep holes close to bottom of panel
- | Adjusting screw Part no: 181520, for Weeke quick clamping chuck must be ordered separately

D	d	L3	L1	R/H PART NO.	L/H PART NO.
15	10	26	70	LEU184684	LEU184685
18	10	26	70	LEU185035	LEU185034
20	10	26	70	LEU185036	LEU185037
25	10	26	70	LEU184686	LEU184687
26	10	26	70	LEU185038	LEU185039
35	10	26	70	LEU184688	LEU184689

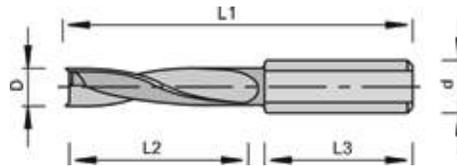
## Dowel Bits

### LEUCO High-Performance Dowel Bits with Solid Carbide Body

Product



Drawing



Tungsten Carbide [HW]

Man

Machine / Application

- Stationary boring machines
- Automatic boring machines.
- CNC machining centres.
- For drilling of through holes and dowel holes in solid woods, wood-based panels and composite materials

**Ideal for compact Laminate & Trespa & Dense materials**

Design

- special cutting edge geometry
- 2 spurs
- Spiral with back guide.
- Boring part made from solid tungsten carbide

Advantages

- Special tooth geometry and spurs for minimal cutting force and cutting pressure
- Protection of the hole edge upon exiting thanks to spiral with back guide
- High feed rates and large resharpenable area thanks to solid carbide bit

Notes

- Adjusting screw: Ident-No. 001600 M5x10 DIN 551 for precise length adjustment, Ident-No. 181520 M5x11,5 for Weeke quick-change chuck.
- Clamping element: combi chuck, quick-change chuck.
- Tooth geometry applied for patent
- Change of grinding or reduction of diameter is not possible

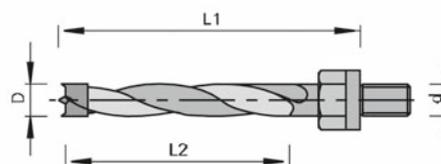
D	L2	d	L3	L1	R/H PART NO.	L/H PART NO.
5	36	10	30	70	LEU182824	LEU182825
6	36	10	30	70	LEU182826	LEU182827
8	36	10	30	70	LEU182828	LEU185776
10	36	10	30	70	LEU185777	

### LEUCO Dowel Bits Threaded Shank

Product



Drawing



Tungsten Carbide [HW]

MAN

Machine / Application

- Portable boring machines.
- Automatic boring machines.
- CNC machining centres.
- For chip-free drilling of dowel holes in solid woods and wood-based panels.

Design

- 2 negative spurs.
- Centering point.
- Spiral with back-guide.
- Plastic coated.
- Threaded shank.
- HW-tipped.

Advantages

- Chip-free hole edges thanks to negative spurs.
- Safe drilling thanks to centering point.
- Optimum chip evacuation thanks to plastic coating.
- High stability thanks to threaded shank for direct clamping onto the boring spindle.

Notes

- For coordination with machines see section Clamping Systems.

THREAD	DIA mm	Lth	R/H PART NO	L/H PART NO
M10	5	63	LEU167698	LEU167697
M10	6	63	LEU160574	LEU160576
M10	8	63	LEU160575	LEU160577
M10	10	63	LEU160583	LEU167585
M10	12	63	LEU167702	LEU167701

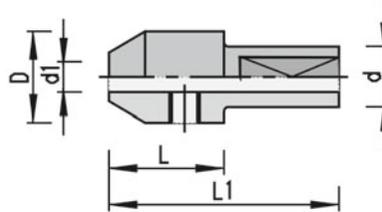
## HOLDERS FOR SMALL DIAMETER DRILL BITS

### LEUCO Clamp Adapters for Twist Drills

Product



Drawing



LEUCO

- These high precision hardened drill adapters are ideal for clamping LEUCO solid carbide twist drills for excellent performance on CNC machines.
- Fits straight into standard drill chucks or can be held in Collet chuck.

DI mm	L mm	d mm	L1 mm	PART NO
2	19	10	38	LEU183275
<b>*2.5</b>	<b>19</b>	<b>10</b>	<b>38</b>	<b>LEU183276</b>
<b>*3</b>	<b>19</b>	<b>10</b>	<b>38</b>	<b>LEU183277</b>
3.5	19	10	38	LEU183278
4	19	10	38	LEU183279
5	19	10	38	LEU183280

#### Accessories

Grub Screws	LEU180003
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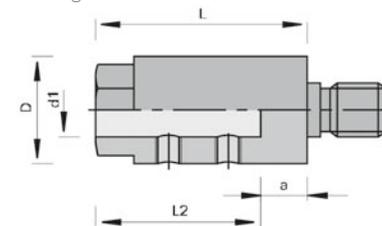
## CLAMPING FOR DRILLING BITS

### LEUCO Boring Bit Collet Chucks

Product



Drawing



LEUCO

Machine / Application

- For mounting of drill bits with cylindrical shank and clamping surface.

Design

- Drill bits are clamped with set screws.

Notes

- Clamping chucks with "BSS" mark are compatible with quick-changing system for drill bits.
- For threaded shank design and appropriate machines see technical information.

D	d I	L2	L	L/H PART NO.	R/H PART NO.	
19	10	20	24.5	LEU003575	LEU003574	8mm Thread
<b>*19</b>	<b>10</b>	<b>20</b>	<b>25</b>	<b>LEU003571</b>	<b>LEU003570</b>	<b>10mm Thread</b>

**\* Most Popular**

## Boring Bits

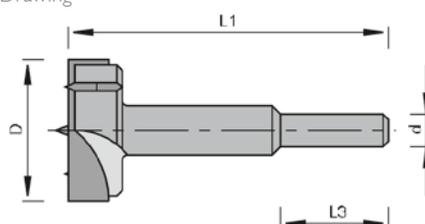
### CYLINDER BITS

#### LEUCO Cylinder Boring Bits

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MAN

Machine / Application

| Portable boring machines.  
| For chip-free drilling in solid woods and wood-based panels.

Design

| 2 rakers, 2 spurs and centering point.  
| HW-tipped.  
| Ø 12: spurs in rakers.  
| Cylindrical shank.

Advantages

| Chip-free holes thanks to scoring cut of the spurs.

Notes

| Clamping element: drill chuck.

D	d	57.5 LH	57.5 RH	70 LH	70 RH	90 RH	140 RH
12	10	–	–	–	–	LEU173204	–
14	10	–	–	–	–	LEU167685	–
15	10	LEU003303	LEU003302	LEU178978	LEU172250	LEU160424	LEU173210
16	10	LEU003305	LEU003304	–	–	LEU160425	LEU173211
17	10	–	–	–	–	LEU167686	–
18	10	LEU003309	LEU003308	LEU178983	LEU178984	LEU160426	LEU160388
19	10	–	–	–	–	LEU167687	–
20	10	LEU003313	LEU003312	LEU178979	LEU172251	LEU160427	LEU160389
21	10	–	–	–	–	LEU173205	–
22	10	LEU003315	LEU003314	LEU182257	LEU182258	LEU160428	LEU160390
23	10	–	–	–	–	LEU167688	–
24	10	–	–	–	–	LEU160429	LEU173212
25	10	LEU003319	LEU003318	LEU178980	LEU172252	LEU160430	LEU160392
26	10	LEU003321	LEU003320	LEU182375	LEU182374	LEU160431	LEU160393
27	10	–	–	–	–	LEU173206	–
28	10	–	–	–	–	LEU160432	LEU160394
30	10	LEU003327	LEU003326	LEU178981	LEU172253	LEU160433	LEU160395
32	10	–	–	–	–	LEU160434	LEU160396
34	10	–	–	–	–	LEU167689	LEU173213
35	10	LEU003333	LEU003332	LEU178982	LEU172254	LEU160435	LEU160398
36	10	–	–	–	–	LEU160436	LEU173214
38	10	–	–	–	–	LEU160437	LEU173215
40	10	LEU003337	LEU003336	LEU182259	LEU182260	LEU160438	LEU160401
42	10	–	–	–	–	LEU167690	LEU160402
45	10	–	–	–	–	LEU173207	LEU180742
46	10	–	–	–	–	–	LEU173217
48	10	–	–	–	–	–	LEU173218
50	10	–	–	–	–	LEU173208	LEU160407
52	16	–	–	–	–	–	LEU160408
54	16	–	–	–	–	–	LEU173219
55	16	–	–	–	–	–	LEU160409
56	16	–	–	–	–	–	LEU173220
58	16	–	–	–	–	–	LEU173221
60	16	–	–	–	–	–	LEU160410
63	16	–	–	–	–	–	LEU173228
65	16	–	–	–	–	–	LEU160411
68	16	–	–	–	–	–	LEU173222
70	16	–	–	–	–	–	LEU160412
75	20	–	–	–	–	–	LEU173223
80	20	–	–	–	–	–	LEU160414
90	20	–	–	–	–	–	LEU173225

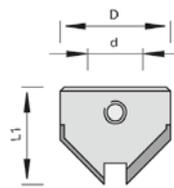
## CounterSinks for Drill Bits

### LEUCO Counter Sinks – Twist Drill Mounted

Product



Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

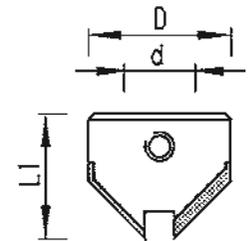
MAN

DIA	d	L1	UNIT	L/H PART NO.	R/H PART NO.
15.5	4	17.5	Ea	LEU160548	LEU183812
15.5	5	17.5	Ea	LEU160549	LEU183175
15.5	6	17.5	Ea	LEU160550	LEU183177
15.5	7	17.5	Ea	LEU167725	LEU183179
15.5	8	17.5	Ea	LEU160551	LEU183181
20.0	10	17.5	Ea	LEU160522	LEU160546

### COUNTERSINK SHELLS FOR DOWEL BITS

- Type 1 fits on shank of drill (interchangeable between different drill diameters).
- Type 2 fits on drill spiral and can be adjusted up or down drill bit and locked.

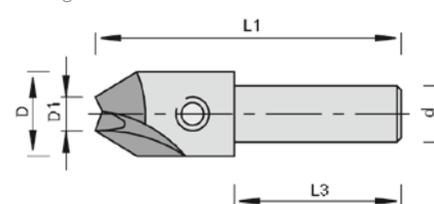
DIA	d	L1	PART NO. LEFT	PART NO. RIGHT
15.5	10	16.5	LEU177294	LEU177293



### LEUCO Counter Sinks – Twist Drill Mounted

Product

Drawing



LEUCO  
DUR

Tungsten Carbide [HW]

MAN

Machine / Application

Design

Notes

For drilling of countersinks in solid woods and wood-based panels.

For chip-free countersink holes at 90° angle.

HW-tipped.

For mounting of twist drills with Ø 3-6mm.

Continuous adjustment of the countersink diameter and the boring depth.

DIA	D1	d	L1	UNIT	L/H PART NO.	R/H PART NO.
15.0	3	10	58	Ea	LEU173191	LEU173190
15.0	3.5	10	58	Ea		LEU173192
15.0	4	10	58	Ea	LEU173195	LEU173194
15.0	4.5	10	58	Ea	LEU173197	LEU173196
15.0	5	10	58	Ea	LEU173199	LEU173198

## Bordo H.S.S. Jobber Twist Drills

H.S.S. JOBBER TWIST DRILLS			
DIA	OAL	UNIT	CODE
1.0mm	34	2pc	FRO1.00MM
1.0mm	34	10pkt	FRO1.00MMBULK
1.5mm	40	2pc	FRO1.50MM
1.5mm	40	10pkt	FRO1.50MMBULK
2.0mm	49	2pc	FRO2.00MM
2.0mm	49	10pkt	FRO2.00MMBULK
2.0mm	85L	2pc	BOR2501-2.00
2.5mm	57	2pc	FRO2.50MM
2.5mm	57	10pkt	FRO2.50MMBULK
2.5mm	95L	2pc	BOR2501-2.5
2.8mm	61	10pkt	FRO2.80MMBULK
3.0mm	61	2pc	FRO3.00MM
3.0mm	61	10pkt	FRO3.00MMBULK
3.0mm	100L	2pc	BOR2501-300
3.2mm	65	10pkt	FRO3.2MMBULK
3.3mm	65	10pkt	FRO3.30MMBULK
3.3mm	106L	1pc	BOR2501-3.3
3.5mm	70	1pc	FRO3.50MM
3.5mm	61	10pkt	FRO3.50MMBULK
3.5mm	112L	2pc	BOR2501-3.50
4.0mm	75	1pc	FRO4.00MM
4.0mm	75	10pkt	FRO4.00MMBULK
4.0mm	119L	2pc	BOR2501-4.00
4.5mm	80	1pc	FRO4.50MM
4.5mm	80	10pkt	FRO4.50MMBULK
4.5mm	126L	1pc	BOR2501-4.50
5.0mm	86	1pc	FRO5.00MM
5.0mm	86	10pkt	FRO5.00MMBULK
5.0mm	132L	1pc	BOR2501-5.00

DIA	OAL	UNIT	CODE
5.5mm	93	1pc	FRO5.50MM
5.5mm	93	10pkt	FRO5.5MMBULK
5.5mm	139L	1pc	BOR2501-5.50
6.0mm	93	1pc	FRO6.0MM
6.0mm	139L	1pc	BOR2501-6.00
6.5mm	101	1pc	FRO6.50MM
6.5mm	148L	1pc	BOR2501-6.5
7.0mm	109	1pc	FRO7.0MM
7.0mm	156L	1pc	BOR2501-7.0MM
7.5mm	109	1pc	FRO7.50MM
7.5mm	156L	1pc	BOR2501-7.5MM
8.0mm	117	1pc	FRO8.00MM
8.0mm	165L	1pc	BOR2501-8.00
8.5mm	117	1pc	FRO8.50MM
9.0mm	125	1pc	FRO9.00MM
9.5mm	125	1pc	FRO9.50MM
10.0mm	133	1pc	FRO10.00MM
10.0mm	184	1pc	BOR2501-10.00
11.0mm	195	1pc	FRO11.00MM
11.5mm	195	1pc	FRO11.50MM
12.0mm	202	1pc	FRO12.00MM
12.5mm	205	1pc	FRO12.50MM
13.0mm	205	1pc	FRO13.00MM
<b>REDUCED SHANK TO 1/2"</b>			
13.0mm	152	1pc	BOR2654-13.00
14.0mm	152	1pc	BOR2654-14.00
15.0mm	152	1pc	BOR2654-15.00
16.0mm	152	1pc	BOR2654-16.00
17.0mm	152	1pc	BOR2654-17.00
18.0mm	152	1pc	BOR2654-18.00
19.0mm	152	1pc	BOR2654-19.00
20.0mm	152	1pc	BOR2654-20.00

### H.S.S. LIP AND SPUR DRILL BITS



DIA	OAL	UNIT	CODE
3.0mm	60	1pc	CARBP3M
4.0mm	75	1pc	CARBP4M
5.0mm	85	1pc	CARBP5M
6.0mm	90	1pc	CARBP6M
7.0mm	105	1pc	CARBP7M
8.0mm	115	1pc	CARBP8M
9.0mm	120	1pc	CARBP9M
10.0mm	120	1pc	CARBP10M
11.0mm	150	1pc	CARBP11M
12.0mm	150	1pc	CARBP12M
13.0mm	150	1pc	CARBP13M

### T.C.T. LIP AND SPUR DRILL BITS

DIA	OAL	UNIT	CODE
3.0mm	76	1pc	CARBP3M
4.0mm	76	1pc	CARBP4M
5.0mm	89	1pc	CARBP5M
6.0mm	101	1pc	CARBP6M
7.0mm	110	1pc	CARBP7M
8.0mm	120	1pc	CARBP8M
9.0mm	120	1pc	CARBP9M
10.0mm	120	1pc	CARBP10M
11.0mm	150	1pc	CARBP11M
12.0mm	150	1pc	CARBP12M
13.0mm	150	1pc	CARBP13M

## Bordo H.S.S. Jobber Twist Drills

### H.S.S. TITANIUM COATED TWIST DRILLS

DIA	CODE
2.00mm	LINHSD2
2.5mm	LINHSD2.5
2.6mm	LINHSD2.6
3.0mm	LINHSD3
3.2mm	LINHSD3.2
3.3mm	LINHSD3.3
3.5mm	LINHSD3.5
4.0mm	LINHSD4
4.2mm	LINHSD4.2
4.5mm	LINHSD4.5
5.0mm	LINHSD5



### LEFT HAND ROTATION H.S.S. DRILLS

DIA	CODE
2.00mm	FRO2.00MMLH
2.5mm	FRO2.50MMLH
3.0mm	FRO3.00MMLH
3.5mm	FRO3.50MMLH



### JOBBER DRILL SETS

BORDO		SIZES	PART NO
Drill Set	19pce	1.0-10.0mm	BOR2007-M2
Drill Set	25pce	1.0-13.0mm	BOR2007-M3



2007-M3

2007-M2

### INDIVIDUAL SPADE BITS

DIA	PART NO
6.0	BOR2670-6
8.0	BOR2670-8
10.0	BOR2670-10
11.0	BOR2670-11
12.0	BOR2670-12
13.0	BOR2670-13
14.0	BOR2670-14
16.0	BOR2670-16
18.0	BOR2670-18
19.0	BOR2670-19
20.0	BOR2670-20
22.0	BOR2670-22
24.0	BOR2670-16
25.0	BOR2670-25
28.0	BOR2670-28
30.0	BOR2670-30
32.0	BOR2670-32
35.0	BOR2670-35
38.0	BOR2670-38
<b>EXTENSION</b>	
305mm	BOR2670-EXT



## Countersinks



### TUNGSTEN TIPPED COUNTERSINK WITH HIGH SPEED DRILL

3.0	8.0mm	8.0mm	AMACS3208
*3.0	9.5mm	9.5mm	AMACS3209
*3.2	9.5mm	9.5mm	AMACS3210

**\*Most Popular**



### TUNGSTEN TIPPED COUNTERSINK WITH HIGH SPEED DRILL

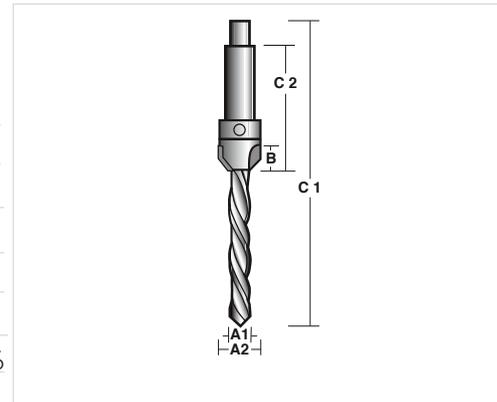
DRILL	C/S DIA	SHANK	S/GAUGE	PART NO
3.6	7.0mm	10mm	6	LINDECL6
4.3	9.0mm	10mm	8	LINDECL8
5.1	10.0mm	10mm	10	LINDECL10
5.5	12.0mm	10mm	12	LINDECL12
3.0	9mm	10mm	8	LINDETH8.3
3.2	9mm	10mm	8	LINDETH8



### CARBIDE TIPPED COUNTERSINK H.S.S DRILL

For drilling, chamfering in solid wood, wood composites, and plastic laminated materials

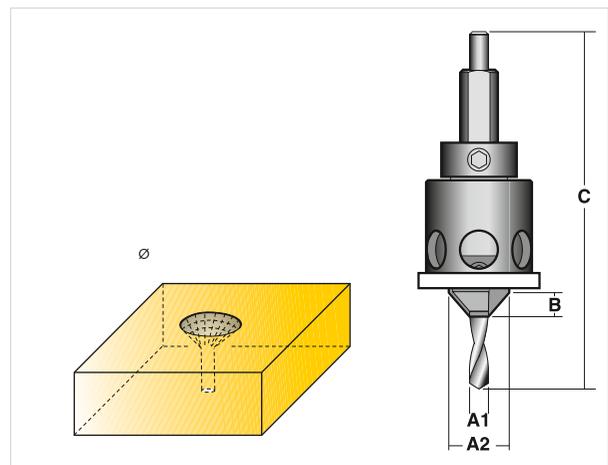
A1 mm	A2 mm	B mm	C1 mm	C2 mm	SHANK	PART NO
2.4	9	10	52	41	8	CARDCS2.4
3.2	10	10	70	41	8	CARDCS3.2
4.0	11	10	73	41	8	CARDCS4.0
4.4	11	10	80	41	8	CARDCS4.4
5.0	12	10	82	46	8	CARDCS5.0
5.0	16	12	92	47	10	CARDCS5.0-16
6.3	13	10	101	46	10	CARDCS6.3



### DRILL/COUNTERSINK WITH BALL BEARING DEPTH STOP

This tool allows precise depth adjustment when drilling screw holes. Ideal for timber decks and furniture making. Ball Bearing depth stop with delrin cap eliminates scoring and burning on the workpiece. Triangular shanks suit  $\varnothing 3/8"$  and  $\varnothing 10$ mm drill chucks. Replacement drills available in a 1 or a 5 pack.

A1 mm	A2 mm	B mm	C mm	SCREW GUAGE	PART NO
3.2	16	7.3	65	#8	CARDCS3.2 DS
3.5	16	7.1	70	#9	CARDCS3.5 DS
3.8	16	7.0	75	#10	CARDCS3.8 DS
4.0	16	7.0	75	#12	CARDCS4.0 DS
5.0	16	6.3	86	BUGLE	CARDCS5.0 DS



**LiNBiDE** ADJUSTABLE STEEL DEPTH STOP **T.C.T C/SINK H.S.S DRILL BIT**

Produce uniform Countersinks everytime. Typically used with stainless steel screws, which have a broad tolerance range. Drill depth adjustable.

DRILL	C/S DIA	SHANK	S/GAUGE	PART NO
3.6	7.0mm	10mm	6	LINDEAJ6
4.3	9.0mm	10mm	8	LINDEAJ8
5.1	10.0mm	10mm	10	LINDEAJ10
5.5	12.0mm	10mm	12	LINDEAJ12



**LiNBiDE** ADJUSTABLE NYLON DEPTH STOP **T.C.T C/SINK H.S.S DRILL BIT**

DRILL	C/S DIA	SHANK	S/GAUGE	PART NO
3.6	7.0mm	10mm	6	LINDENC6
4.3	9.0mm	10mm	8	LINDENC8
5.1	10.0mm	10mm	10	LINDENC10
5.5	12.0mm	10mm	12	LINDENC12



**FESTOOL** ADJUSTABLE NYLON DEPTH STOP **3 FLUTE H.S.S 90° C/SINK BEVAL H.S.S BIT**

DRILL	C/S DIA	SHANK	S/GAUGE	PART NO
3.5	13	HEX	6	FES492523
4.5	13	HEX	8	FES492524



**LiNBiDE** THREADING DRILL - ADJUSTABLE NYLON DEPTH STOP **T.C.T C/SINK H.S.S DRILL BIT**

DRILL	C/S DIA	SHANK	S/GAUGE	PART NO
2.4	7.0mm	10mm	6	LINDENT6
3.0	9.0mm	10mm	8	LINDENT8.3
3.2	9.0mm	10mm	8	LINDENT8
3.5	10.0mm	10mm	10	LINDENT10



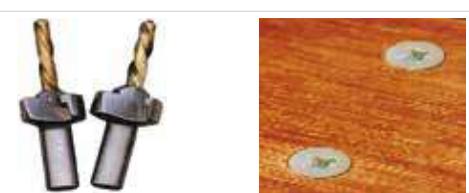
**BORDO COUNTERSINKS**



- General purpose H.S.S.
- 1/4 Hex Drive for use in wood and non-ferrous applications.

SCREW GAUGE	DRILL SIZE	C/S DIA	PART NO.
2g	2.0mm	13mm	BOR2200-2.00CS
4g	2.5mm	13mm	BOR2200-2.50CS
6g	3.0mm	13mm	BOR2200-3.00CS
8g	3.5mm	13mm	BOR2200-3.50CS
10g	4.0mm	13mm	BOR2200-4.00CS
12g	4.5mm	14mm	BOR2200-4.50CS
12g	5.0mm	16mm	BOR2200-5.00CS
14g	5.5mm	16mm	BOR2200-5.50CS
14g	6.0mm	16mm	BOR2200-6.00CS

**DECKING AND PANEL DRILL COUNTERSINKS**



- Drill and Countersink in one action, for a *professional flush finish.*
- Ideal for hardwood or softwood decking plus a variety of panels.

SCREW GAUGE	DRILL SIZE	C/B DIA	PART NO.
8g	4.3mm 11/64		LINDECK08
10g	5.1mm 13/64		LINDECK10
12g	5.5mm 7/32		LINDECK12
14g	6.5mm 1/4		LINDECK14

## Plug and Tenon Cutters



### BELCRAFT COUNTERSINKS

- Use countersink with electric drill or drill press
- Use countersink No. for same No. wood screw (k14 cutter for 14 gauge screws)

GAUGE SCREW	DRILL SIZE	PART NO
6	3.6mm	BELK6
7	4.0mm	BELK7
8	4.3mm	BELK8
9	4.75mm	BELK9
10	5.0mm	BELK10
12	5.55mm	BELK12
14	6.35mm	BELK14



### BELCRAFT PLUG CUTTERS (BLIND SCREWING)

PLUG	DIA	PART NO.
6	9/32" 7.08	BELP6
7	5/16" 7.88	BELP7
8	11/32" 8.7	BELP8
9	3/8" 9.5	BELP9
10	13/32" 10.3	BELP10
12	7/16" 11.0	BELP12
14	1/2" 12.5	BELP14



### PLUG CUTTERS

SIZES	PART NO.
8mm	LINPLUG8MM
10mm	LINPLUG10MM
12mm	LINPLUG12MM
16mm	LINPLUG16MM



### PLUG CUTTER SETS

SIZES	PART NO.
6.4, 8.0, 9.5, 12.7mm Cutter and Bit	LINPLUG8



## Plug and Tenon Cutters



### PLUG CUTTERS

DIA	PART NO.
6.35mm	CARHPLG08
9.5mm	CARHPLG12
12.7mm	CARHPLG16
15.8mm	CARHPLG20



### TENON CUTTERS

Tenon cutters to make round tenons for chairs and furniture, used for large plugs for wooden boat building.

SIZES	PART NO.	SIZES	PART NO.
16mm	LINTEN16	30mm	LINTEN30
20mm	LINTEN20	32mm	LINTEN32
25mm	LINTEN1	36mm	LINTEN36



### TENON CUTTER SET

Plug and tenon cutter sets in boxes.

SIZES	PART NO.
15, 20, 25, 30, 35mm Bits	LINTEN5



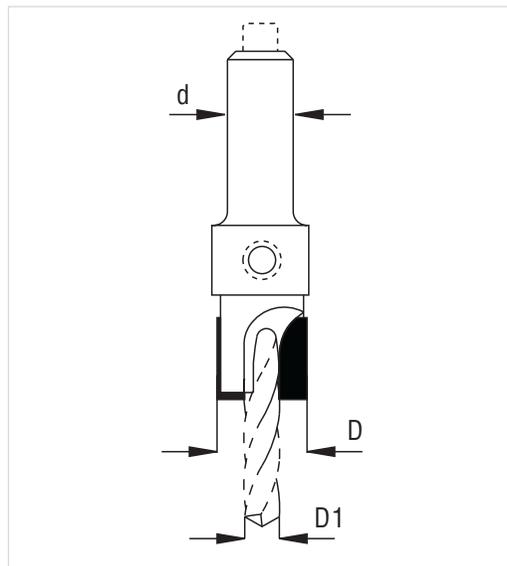
### BORDO COUNTERSINKS

CROSS HOLE	SIZE	SINGLE FLUTE	SIZE	THREE FLUTE	SIZE
BOR3840-6.35	6.35				
BOR3840-10	10.0	BOR3842-10	10.0	BOR3843-10	10.0
BOR3840-15	15.0	BOR3842-15	15.0	BOR3843-14.4	14.4
BOR3840-20	20.0	BOR3842-20	20.0	BOR3843-20.5	20.5
BOR3840-25	25.0	BOR3842-25	25.0	BOR3843-25	25.0
BOR3840-30	30.0	BOR3842-30	30.0	BOR3843-28	28.0
BOR3840-40	40.0			BOR3843-35	35.0
BOR3841-10	10.0				
BOR3841-15	15.0				
BOR3841-20	20.0				
BOR3841-25	25.0				
BOR3841-30	30.0				

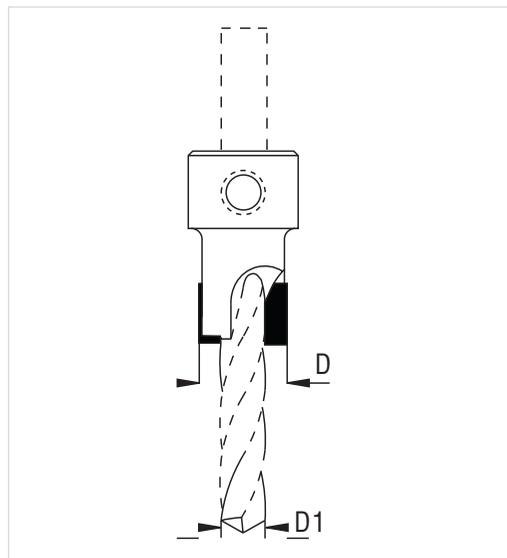


## Counterbores (Square Shoulders)

			SHAFT TYPE
DI	D	d	PART NO
3.2	9.5	8	ROBCB3209
4.0	10	8	ROBCB4010
4.4	10	8	ROBCB4410
4.8	12.7	9.5	ROBCB4813
5.6	12.7	9.5	ROBCB5613
6.0	12.7	9.5	ROBCB6013



			ON SHANK TYPE
DI	D	PART NO	
4.8	16	ROBCB4816SHANK	
6.3	19	ROBCB4819SHANK	



## Starrett® Fast Cut Bi Metal Hole Saws



The Fast Cut saw combines a new tooth material, with enhanced heat and wear resistance, and a new tooth design, providing a smoother, faster cut on a wide range of materials, when compared against the previous Constant Pitch saw. Specifically suited to cutting stainless and mild steel sheet, the Fast Cut will also cut through tubes with a wall thickness of up to 3mm (1/8").

### Features:

- New tooth material for enhanced heat and wear resistance and greater product life
- Ideal for stainless and mild steel sheet and tubes with wall thickness of up to 3mm (1/8")
- New 5.5 TPI / 25mm tooth form provides a smoother, faster cut in all materials
- Hole saw depth of 41mm (1.5/8")

Hole Saw Depth 41mm  
1.5/8"

Rec. Cutting Depth <3mm ★★  
3-13mm ★★  
>13mm

• Metal ★★  
• Inox (stainless) ★★  
• Non Ferrous Materials ★★

Cast iron ★

Wood ★

Nail Embedded Wood ★

Veneer ★

Plastic ★

Acrylic ★

Fibreglass ★

Formica ★

Plaster ★

Suspended Floors ★

### Cutting Performance

Excellent ★★

Satisfactory ★

### Saw Specifications

DIA mm	ARBOR REF	PART NO.	DIA mm	ARBOR REF	PART NO.	DIA mm	ARBOR REF	PART NO.
14	1/2	STRDH0096	43	3/4	STRDH1116	86	3/4	STRDH0338
16	1/2	STRDH0058	44	3/4	STRDH0134	89	3/4	STRDH0312
17	1/2	STRDH1016	46	3/4	STRDH1136	92	3/4	STRDH0358
19	1/2	STRDH0034	48	3/4	STRDH0178	95	3/4	STRDH0334
20	1/2	STRDH2532	51	3/4	STRDH0200	98	3/4	STRDH0378
21	1/2	STRDH1036	52	3/4	STRDH0216	102	3/4	STRDH0400
22	1/2	STRDH0078	54	3/4	STRDH0218	105	3/4	STRDH0418
24	1/2	STRDH1056	56	3/4	STRDH56MM	108	3/4	STRDH0414
25	1/2	STRDH0100	57	3/4	STRDH0214	111	3/4	STRDH0438
27	1/2	STRDH0116	59	3/4	STRDH0256	114	3/4	STRDH0412
29	1/2	STRDH0118	60	3/4	STRDH0238	121	3/4	STRDH0434
30	1/2	STRDH0136	64	3/4	STRDH0212	127	3/4	STRDH0500
32	3/4	STRDH0114	65	3/4	STRDH0296	133	3/4	STRDH0514
33	3/4	STRDH0156	67	3/4	STRDH0258	140	3/4	STRDH0512
35	3/4	STRDH0138	68	3/4	STRDH68MM	152	3/4	STRDH0600
37	3/4	STRDH0176	70	3/4	STRDH0234	160	3/4	STRDH160MM
38	3/4	STRDH0112	73	3/4	STRDH0278	168	3/4	STRDH168MM
40	3/4	STRDH0196	76	3/4	STRDH0300	177	3/4	STRDH177MM
41	3/4	STRDH0158	79	3/4	STRDH0318	210	3/4	STRDH210MM

## Starrett® Carbide Tipped

### TUNGSTEN CARBIDE TIPPED MULTI PURPOSE



MPH Hole Saws will power through wood, MDF, plastics, plasterboard and ceramic wall tiles. Cutting speeds will be up to five times faster than a bi metal hole saw cutting the same material. For installers, our range of kits provide the perfect solution to all your cutting needs.

#### Features:

- Rapid, heat free stock removal of wood, MDF, plastics, plasterboard, and ceramic tiles
- Carbide tipped teeth for outstanding cutting performance and product durability
- Smooth cutting with minimal heat build up
- Suitable for use in electric and battery powered tools
- Hole saw depth of 54mm (2.1/8")
- Special arbors featuring extended length pilot drills are available, alternatively fit the longer A014CE pilot drill to our standard Starrett arbors



Cutting Depth 54mm  
2.1/8"

Rec. Cutting Depth <3mm  
3-13mm ★★  
>13mm ★★

Wood		★★
Veneer		★★
MDF		★★
Plastic		★★
Acrylic		★★
Ceramic		★
Fibreglass		★
Formica		★★
Plaster		★★

Cutting Performance	
Excellent	★★
Satisfactory	★

PART NO	DIAMETER	
	mm	Inch
STRMPH0034	19mm	3/4"
STRMPH2532	20mm	25/32"
STRMPH0078	22mm	7/8"
STRMPH0100	25mm	1"
STRMPH0116	27mm	1.1/16"
STRMPH0118	29mm	1.1/8"
STRMPH0136	30mm	1.3/16"
STRMPH0114	32mm	1.1/4"
STRMPH0138	35mm	1.3/8"
STRMPH0112	38mm	1.1/2"
STRMPH0196	40mm	1.9/16"
STRMPH0158	41mm	1.5/8"
STRMPH0134	44mm	1.3/4"
STRMPH0178	48mm	1.7/8"
STRMPH0200	51mm	2"

PART NO	DIAMETER	
	mm	Inch
STRMPH0218	54mm	2.1/8"
STRMPH0214	57mm	2.1/4"
STRMPH0238	60mm	2.3/8"
STRMPH0212	64mm	2.1/2"
STRMPH0296	65mm	2.9/16"
STRMPH0258	67mm	2.5/8"
STRMPH0234	70mm	2.3/4"
STRMPH0278	73mm	2.7/8"
STRMPH0300	76mm	3"
BOR7075-80	80mm	3.5/32"
STRMPH0318	79mm	3.1/8"
STRMPH0314	83mm	3.1/4"
STRMPH0338	86mm	3.3/8"
STRMPH0312	89mm	3.1/2"
STRMPH0358	92mm	3.5/8"
STRMPH0334	95mm	3.3/4"

PART NO	DIAMETER	
	mm	Inch
STRMPH0378	98mm	3.7/8"
STRMPH0400	102mm	4"
STRMPH0418	105mm	4.1/8"
STRMPH0414	108mm	4.1/4"
STRMPH0456	109mm	4.5/16"
STRMPH0438	111mm	4.3/8"
STRMPH0412	114mm	4.1/2"
STRMPH0458	118mm	4.5/8"
STRMPH0434	121mm	4.3/4"
STRMPH0500	127mm	5"
STRMPH0512	140mm	5.1/2"
STRMPH0600	152mm	6"
STRMPH0614	159mm	6.1/4"

## Starrett® Hole Saws Sets



JOINERS, BUILDERS, CONSTRUCTION, MARINE, ALUMINIUM

### Tungsten Tip in Plastic Case

**TCT Fast Cut Multi Purpose**

**Sizes:** 19, 22, 29, 35, 38, 44, 51, 57, 64, 68, 76 (mm)

**Cutting Depth:** 54 (mm)

**Great For Cutting:** Wood, MDF, Veneers, Fibreglass Ceramic Tiles, Plastics, Brick.

**Part No:** STRKMP11021



### Bi-Metal in Plastic Case

**30% Faster and Smoother Cutting**

**Sizes:** 16, 20, 22, 25, 29, 32, 35, 38, 44, 51, 57, 64, 68, 76 (mm)

**Cutting Depth:** 39 (mm)

**Great For Cutting:** Metal, Aluminium Non Ferrous, Plaster, Wood, Acrylic

**Part No:** STRKFC14021



### RIPPER BY BORDO

Heavy duty abrasion resistant tungsten carbide teeth will cut materials that quickly dull normal hole saws. Ideal for cutting timber and all types of composite board including MDF. Ripper hole saws are also perfect for cutting wood laminates, plywood and insulation.

Heavy duty construction for long life with large gullets for easy slug removal.

**Fits Desk Insert**

**DIA**

80mm

**PART NO.**

BOR7075-80



## Starrett® Carbide Tipped

### DEEP CUT HOLE SAWS

The new Starrett Carbide Tipped Deep Cut hole saw (CTD) is the perfect solution for repeated intensive drilling in mild and stainless steel, cast iron, aluminium and copper of all thicknesses up to and including 25mm (1"). Starrett CTD hole saws feature three different angles ground on to the cutting face of each tooth on the saw. This 3-Ply tooth grind delivers a fast cut, minimal snag when the saw begins the cut, efficient swarf removal minimising heat build up, and maximum saw life. CTD will power through sheet, stainless steel up to 25mm (1") thickness, enclosures, pipework and structural steel work with either a fixed or portable drill, in a fraction of the time taken by a standard hole saw.

#### Features:

- Supplied as one piece with no need for assembly
- 3-Ply tooth grind on each tooth delivers maximum performance and makes the saw much more robust than 2-Ply equivalents
- Safety stop collar at the base of the saw prevents the saw 'following through' once the cut is complete
- Can be used with fixed or portable drills, mains power or cordless
- All saws are supplied with an ejector spring to aid ejection of the core from the saw
- Replacement pilot drills are available



### CUTS AT LEAST TWICE AS FAST AS A STANDARD HOLE SAW

PART NO	DIAMETER	
	mm	in
STRCTD15	15	19/32
STRCTD16	16	5/8
STRCTD17	17	11/16
STRCTD18	18	22/32
STRCTD19	19	3/4
STRCTD20	20	25/32
STRCTD21	21	13/16
STRCTD22	22	7/8
STRCTD23	23	29/32
STRCTD24	24	15/16
STRCTD25	25	1
STRCTD26	26	1.1/32
STRCTD27	27	1.1/16

PART NO	DIAMETER	
	mm	in
STRCTD28	28	1.3/32
STRCTD29	29	1.1/8
STRCTD30	30	1.3/16
STRCTD32	32	1.1/4
STRCTD33	33	1.5/16
STRCTD34	34	1.11/32
STRCTD35	35	1.3/8
STRCTD36	36	1.13/32
STRCTD38	38	1.1/2
STRCTD39	39	1.17/32
STRCTD40	40	1.9/16
STRCTD45	45	1.25/32
STRCTD50	50	1.31/32

PART NO	DIAMETER	
	mm	in
STRCTD51	51	2
STRCTD55	55	2.5/32
STRCTD60	60	2.3/8
STRCTD64	64	2.1/2
STRCTD65	65	2.9/16
STRCTD70	70	2.3/4
STRCTD75	75	2.15/16
STRCTD80	80	2.5/32
STRCTD85	85	3.11/32
STRCTD90	90	3.17/32
STRCTD95	95	3.3/4
STRCTD100	100	3.15/16

## Starrett® Diamond



### DIAMOND GRIT

High performance saws for non-metallics. Synthetic diamond grit bonded over a durable steel platform. Capable of cutting through porcelain, glass, ceramics, brick and stone, these hole saws are the ideal solution in the toughest of cutting situations.

#### Features:

- Small diameter hole saws are perfect for kitchen and bathroom installations.
- Smooth surface finish, ideal when cutting glass and porcelain.
- Drive arbors with carbide tipped pilot drills available.
- Hole saw depth of 41 mm (1.5/8").



**DIAMOND TILE DRILLS AND HOLE SAWS MUST ALWAYS BE COOLED WITH WATER!**

Hole Saw Depth	41mm 1.5/8"
Rec. Cutting Depth	<3mm ★★ 3-13mm ★★ >13mm ★★
Ceramic	★★
Porcelain / Glass / Stone	★★
Fibreglass	★★
Brick and Masonry	★★

Cutting Performance	
Excellent	★★
Satisfactory	★



PART NO	DIAMETER	
	mm	Inch
STRD0096	14mm	9/16"
STRD0058	16mm	5/8"
STRD1016	17mm	11/16"
STRD0034	19mm	3/4"
STRD1036	21mm	13/16"
STRD0078	22mm	7/8"
STRD1056	24mm	15/16"
STRD0100	25mm	1"
STRD0116	27mm	1.1/16"
STRD0118	29mm	1.1/8"
STRD0136	30mm	1.3/16"
STRD0114	32mm	1.1/4"

PART NO	DIAMETER	
	mm	Inch
STRD0138	35mm	1.3/8"
STRD0112	38mm	1.1/2"
STRD0158	41mm	1.5/8"
STRD0134	44mm	1.3/4"
STRD0178	48mm	1.7/8"
STRD0200	51mm	2"
STRD0218	54mm	2.1/8"
STRD0214	57mm	2.1/4"
STRD0238	60mm	2.3/8"
STRD0212	64mm	2.1/2"
STRD0258	67mm	2.5/8"
STRD0234	70mm	2.3/4"

PART NO	DIAMETER	
	mm	Inch
STRD0300	76mm	3"
STRD0314	83mm	3.1/4"
STRD0338	86mm	3.3/8"
STRD0312	89mm	3.1/2"
STRD0334	95mm	3.3/4"
STRD0400	102mm	4"
STRD0414	108mm	4.1/4"
STRD0412	114mm	4.1/2"
STRD0500	127mm	5"
STRD0600	152mm	6"

## Starrett® Diamond

### DIAMOND CORE DRILLS

Designed for intensive dry cutting on brickwork and blockwork, and particularly suitable for plumbers, electricians and other installation engineers, our diamond core drills will be invaluable in the construction of flues, air vents and plumbing or electrical channels.

#### Features:

- Faster rate of cut than TCT alternatives with less pressure required
- 300mm saw length on 22 and 28mm diameter saws
- 150mm saw length on 38 and 152mm all diameter saws
- Note: not for use on reinforced concrete



PART NO	Size	
	mm	Inch
STRBMC22	22mm	7/8
STRBMC28	28mm	1.3/32
STRBMC38	38mm	1.1/2
STRBMC42	42mm	1.21/32
STRBMC48	48mm	1.7/8
STRBMC52	52mm	2.1/16
STRBMC65	65mm	2.9/16
STRBMC78	78mm	3.1/16
STRBMC102	102mm	4
STRBMC107	107mm	4.7/32
STRBMC117	117mm	4.19/32
STRBMC127	127mm	5
STRBMC152	152mm	6



DESCRIPTION	PART NO
SDS Adapter	STRBMA2
Hex Adapter	STRBMA1
240mm SDS Adapter	STRBMA2240
240mm Hex Adapter	STRBMA1240
Pilot Drill - 13 x 200mm	STRBMA3200
Pilot Drill - 13 x 350mm	STRBMA3350
150 mm Extension	STRBMA4150
250mm Extension	STRBMA4250
Drift Key	STRBMA5

Hole Saw Depth		Diameter dependent
Rec. Cutting Depth	> 13mm	★★
Brick and Masonry		★★
<b>Cutting Performance</b>		
Excellent		★★
Satisfactory		★

## Starrett® ARBORS AND ACCESSORIES



### STANDARD ARBORS WITH HIGH SPEED STEEL PILOT DRILL

Arbor suitable for use with FCH and CT hole saws. (Diamond hole saw applications will always require an arbor with a carbide tipped pilot drill).

PART NO	FITS HOLE SAW DIAMETER Inch/mm	SHANK SIZE mm (inch)
STRA1	14 - 30mm (9/16" - 1.3/16")	8.75mm (11/32") Hex
STRA4		6.5mm (1/4") Hex
STRA2 - Quick-Hitch	32 - 210mm (1.1/4" - 8.9/32")	11mm (7/16") Hex
STRA10 - Quick-Hitch	32 - 210mm (1.1/4" - 8.9/32")	8.75mm (11/32") Hex

### EJECTOR SPRING

PART NO	DESCRIPTION
STRA7	Standard Bi-Metal Ejector Spring
STRA7CT	CTD Ejector Spring

### WITH CARBIDE DRILL

PART NO	FITS HOLE SAW DIAMETER mm (inch)	SHANK SIZE mm (inch)
STRXA1	14 - 30mm (9/16" - 1.3/16")	8.75mm (11/32") Hex
STRXA2 - Quick-Hitch	32 - 210mm (1.1/4" - 8.9/32")	11mm (7/16") Hex
STRXA10 - Quick-Hitch	32 - 210mm (1.1/4" - 8.9/32")	8.75mm (11/32") Hex

### EXTENDED LENGTH

Arbor suitable for use with DCH and MPH hole saws.

PART NO	FITS HOLE SAW DIAMETER mm (inch)	SHANK SIZE mm (inch)
STRA1E	14 - 30mm (9/16" - 1.3/16")	8.75mm (11/32") Hex
STRA4E		6.5mm (1/4") Hex
STRA2E - Quick-Hitch	32 - 210mm (1.1/4" - 8.9/32")	11mm (7/16") Hex
STRA10E - Quick-Hitch	32 - 210mm (1.1/4" - 8.9/32")	8.75mm (11/32") Hex

### LOCKING ARBOR

PART NO	FITS HOLE SAW DIAMETER mm (inch)	SHANK SIZE mm (inch)
STRA17-38	32mm - 210mm (1-1/4" - 8.9/32")	8.75mm (11/32") Hex
STRA17-38E**	32mm - 210mm (1-1/4" - 8.9/32")	** With Extended Length HSS Pilot Drill
STRXA17-38 Carbide Tipped	32mm - 210mm (1-1/4" - 8.9/32")	

### KWIK CHANGE ARBOR

PART NO	DESCRIPTION
STRA6	Kwik Change Chuck - Hex Shank

## Starrett® OOPS ARBOR

### HOLE ENLARGEMENT ARBOR

Replacing the pilot drill, the A19 allows diameters to be enlarged by attaching a saw of the same size to that of the existing hole. This saw then acts as the pilot for the larger diameter saw that is attached to the arbor.

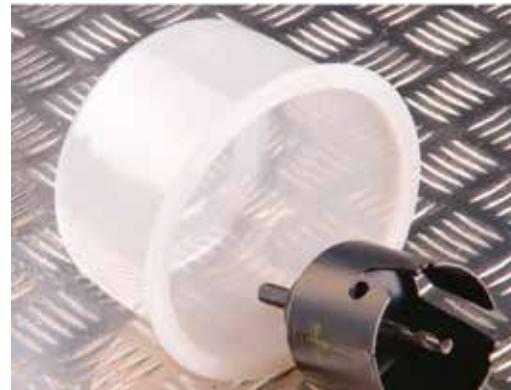


PART NO	Regular Arbor That Fits	Outer Hole Saw and Size of	Enlarging Diameter	Pilot Hole Saw Diameter that Fits A19 Arbor
STRA19		A1 21mm - 30mm (13/16" - 1-3/16") A2 or A10 32mm - 152mm (1-1/4" - 6")		14mm - 140mm (9/16" - 5.1/2") Minimum hole enlargement is 4.7mm (3/16") between pilot hole saw and cutting saw diameter

### DEBRIS COLLECTOR Hole Enlargement Arbor

#### Advantages:

- Bowl flexes with minimal pressure as the hole is sawn.
- Huge potential time saving - there is no need to mask at risk areas prior to sawing or clean up after sawing.
- Keeps dust and other debris out of the motor of the drill.
- Suitable for hole saws up to and including 121mm (4 3/4").



PART NO	DESCRIPTION
STRDB2	Debris Collector

### NO CLEAN UP, NO DRILL DAMAGE, NO DEBRIS SPREAD



#### STAGE ONE

Pass the shank of the arbor through the hole at the bottom of the DB2 and attach to the drill in the normal way. Always ensure that the Debris Collector spins freely prior to use.



#### STAGE TWO

Site the saw for cutting the hole. The Debris Collector can be pulled down to provide a better view of the work area



#### STAGE THREE

Drill the hole!



#### STAGE FOUR

All the dirt and debris from the cut hole is collected inside the Debris Collector!

## Starrett® Diamond Tile Drills



High performance hole saws for drilling small diameter holes in many non-metallics. These diamond edge hole saws are produced with a uniform coating of synthetic diamond grit bonded to a durable steel platform. Diamond edge saws produce clean, accurate cuts on brick, glass, ceramic tiles and stone.

### Features:

- Able to cut rapidly through porcelain, glass, ceramics, brick and stone.
- Perfect for kitchen and bathroom installations.
- Smooth surface finish.
- Drive arbor and drill not required.
- Maximum cutting depth of 30mm (1.3/16").

### DIAMOND TILE DRILL GUIDE

Used in place of a pilot bit to eliminate hole saw 'walking' and prevent damage to work surfaces. The guide is manufactured with rubber feet, allowing user to secure it in place without scratching work surface.



PART NO  
STRDTDG01

Hole Saw Depth	30mm 1.3/16"	
Rec. Cutting Depth	<3mm	★★
	3-13mm	★★
	> 13mm	★★
Ceramic		★★
Porcelain / Glass / Stone		★★
Fibreglass		★★
Brick and Masonry		★★
Cutting Performance		
Excellent		★★
Satisfactory		★

PART NO	SIZE	
	mm	Inch
STRD0005	5mm	3/16"
STRD0006	6mm	15/64"
STRD0065	6,5mm	1/4"
STRD0008	8mm	5/16"
STRD0010	10mm	3/8"
STRD0012	12mm	1/2"



PART NO	NUMBER OF SAWS	DIAMETER OF DRILL BITS	ACCESSORIES
STRKDTD-EVA	6	5mm (3/16"), 6mm (15/64"), 6,5mm (1/4"), 8mm (5/16"), 10mm (25/64"), 12mm (15/32")	Tile drill guide, water dispenser and knock out pins

**Diamond tile drills and hole saws must always be cooled with water!**

PART NO  
STRWCD01



# Drilling and Boring

Starrett		BI METAL HOLE SAWS			TUNGSTEN CARBIDE TIPPED HOLE SAWS		DIAMOND GRIT/TIPPED HOLE SAWS		
		Fast Cut	Deep Cut	Cordless Smooth Cutting Hole Saw	Fast Cut Multi Purpose Hole Saw	Carbide Tipped Hole Saw	Ceramic and Abrasive Material Tile Drill and Hole Saw	Brick and Masonry Dri Core Drill	
PART NO		FCH	DCH	CSC	MPH	CTD	CT	D	BMC
Hole Saw Depth		41mm 1.5/8"	51mm 2"	13mm 1/2"	54mm 2.1/8"	25mm 1"	41mm 1.5/8"	Diameter dependent	Diameter dependent
Recommended Cutting Depths	<3mm	★★		★★		★★	★★	★★	
	3-13mm	★★	★★		★★	★★	★★	★★	
	>13mm		★★		★★		★★	★★	★★
• Metal • Inox (Stainless) • Non Ferrous Materials		★★	★★	★★		★★			
		★★	★★	★★		★★			
Cast iron		★	★			★★	★★		
Wood		★	★	★	★★		★		
Nail Embedded Wood		★	★				★★		
Veneer		★	★	★	★★		★★		
MDF					★★				
Plastic		★	★	★	★★		★		
Acrylic		★	★	★	★★		★		
Ceramic					★		★	★★	
Porcelain / Glass / Stone								★★	
Fibreglass		★	★		★		★★	★★	
Formica		★	★	★	★★		★★		
Plaster		★	★	★	★★		★★		
Suspended Floors		★	★				★★		
Brick and Masonry							★	★★	★★
Cutting Performance									
Excellent		★★	Satisfactory			★			

## Mortising



### MORTISING

#### Star-M Mortise Chisels & Bits

- Highest quality Japanese steel finely ground and polished with honed cutting edges.
- Take care when setting to leave 2-5mm clearance between end of bit and end of chisel case.
- This ensures long life and avoidance of premature failure.

MM	CHISEL LENGTH	SHANK	PART NO
6.4	47	20.6	STMSM7SH-0416
9.5	80	20.6	STMSM7SH-616
12.7	80	20.6	STMSM7SH-816
14	80	20.6	STMSM7SH-0916
16.5	98	20.6	STMSM7SH-1016
19.05	130	30.1	STMSM7SH-1216
25.4	120	30.1	STMSM7SH-1616

#### MORTICE DRILL BITS

6.4			STMSM7SH-0416BIT
9.5			STMSM7SH-616BIT
12.7			STMSM7SH-816BIT
16			STMSM7SH-1016BIT
19.05			STMSM7SH-1216BIT
25.4			STMSM7SH-1616BIT

#### LONG SERIES

12.7	140	20.6	MORCHI12.7LS
15.8	130	30	MORCHI15.8



### MORTISING CHAINS, BALLS, CHAINS, SPROCKETS

DESCRIPTION	PART NO.
12.7mm x 40mm x 150mm Mortise Bar	UTEBAR12.7
12.7mm x 40mm Bar End	UTEBAREND12.7
12.7mm Chain Sprocket	UTESPROCKET12.7
12.7mm x 33 Link Chain	UTECHAIN3312.7
12.7mm x 34 Link Chain	UTECHAIN3412.7
12.7mm x 36 Link Chain	UTECHAIN3612.7
12.7mm Chain Link	UTECHAINLINK12.7
12.7mm Link Pin	UTEPIN12.7
25.4mm x 50.8mm x 150 A Mortise Bar	UTEBAR25.4/50.8/150A
25.4mm A Pitch Chain Sprocket	UTESPROCKET25.4A
25.0mm Mortise Guide Bar	UTEBAR25
25.0mm x 37 Link Chain	UTECHAIN3725
25.0mm A Pitch Chain Sprocket	UTESPROCKET25
25.0mm Link Pin	UTEPIN25
12.7 x 55-65 Centauro Blade	UTE55/65X1100x12.7



## Mortising



### CORNER CHISEL

For squaring corners to accent lock faces, hinges and escutcheons. A 12.7mm (1/2") mortise router bit leaves a corner radius when using a lock or hinge jig. Use this tool to finish a neat square corner.

#### DESCRIPTION

Squares corners from 12.7mm radius

#### PART NO.

CARRC001



### SLOT MORTISE BITS

– High quality slot mortise bits.

DIA	TEETH	LENGTH	SHANK	PART NO.
6	2	120	13	AMAK-112-2T-13-6-120
6	3	100	12	AMAK-112-3T-12-6
6	3	100	16	AMAK-112-3T-16-6
8	4	100	13	AMAK-112-4T-13-8
10	4	100	13	AMAK-112-4T-13-10
12	3	100	12	AMAK-112-3T-12-12
12	4	100	13	AMAK-112-4T-13-12
14	3	100	12	AMAK-112-3T-12-14
16	4	100	16	AMAK-112-4T-16-16
16	4	100	13	AMAK-112-4T-13-16
19	4	100	16	AMAK-112-4T-16-19
20	3	100	12	AMAK-112-3T-12-20
20	3	100	13	AMAK-112-3T-13-20
20	4	100	13	AMAK-112-4T-13-20
20	4	100	16	AMAK-112-4T-16-20
30	3	100	13	AMAK-112-3T-13-30
30	4	100	13	AMAK-112-4T-13-30



## Screwdriver Bits

### GFB DRIVE BITS AND ACCESSORIES

DESCRIPTION UNIT PART NO.

#### Pozi Drive – Size and Length

POZI Bit No1 25mm	2PK	GFB10C
POZI Bit No1 50mm	Ea	GFB12C
POZI BIT No1 75mm	Ea	GFB166C
POZI Bit No2 25mm	2PK	GFB11C
POZI Bit No2 45mm D-End	2PKT	GFB76C
POZI Bit No2 50mm	Ea	GFB13C
POZI Bit No2 65mm		GFB152C
POZI Bit No2 100mm	Ea	GFB149C
POZI Bit No2 150mm	Ea	GFB153C
POZI Bit No3 25mm		GFB143C
POZI Bit No3 50mm		GFB14

#### Square Drive – Size and Length

Square Bit No0 25mm	2PKT	GFB127C
Square Bit No0 50mm	Ea	GFB133B
Square Bit No1 25mm	2PKT	GFB95C
Square Bit No1 45mm D-End	2PKT	GFB121C
Square Bit No1 50mm	Ea	GFB97C
Square Bit No1 & No2 50mm	2PKT	GFB174C
GFB174CS .> GFB174C		
Square Bit No1 65mm	Ea	GFB200C
Square Bit No1 65mm D-End	2PKT	GFB123C
Square Bit No1 100mm	Ea	GFB125C
Square Bit No2 25mm	2PKT	GFB96C
Square Bit No2 45mm	2PKT	GFB122C
Square Bit No2 50mm	Ea	GFB98C
Square Bit No2 65mm	2PKT	GFB124C
Square Bit No2 70mm		GFB70
Square Bit No2 & Pozi No2 65mm	2PKT	GFB201C
Square Bit No2 100mm	Ea	GFB126C
Square Bit No2 150mm	Ea	GFB197C
Square Bit No3 25mm	2PKT	GFB128C
Square Bit No3 50mm	Ea	GFB134C

#### Phillips Bit – Size and Length

Phillips Bit No1 50mm	Ea	GFB4C
Phillips Bit No2 25mm	2PKT	GFB2C
Phillips Bit No2 45mm D-End	2PKT	GFB8C
Phillips Bit No2 50mm	Ea	GFB5C
Phillips Bit No2 75mm	GFB DRIVE BIT	GFB7C
Phillips Bit No2 100mm	E	GFB35C
Phillips Bit No2 150mm	GFB DRIVE BIT	GFB36C

#### Slot Bit – Size and Length

Slot Bit 4mm 50mm	Ea	GFB20C
Slot Bit 6mm 50mm	Ea	GFB22C
Slot Bit 8mm 50mm	Ea	GFB23C



## Screwdriver Bits



### GFB DRIVE BITS AND ACCESSORIES

DESCRIPTION	UNIT	PART NO.
<b>Accessories</b>		
Magnetic Nutset 5/16 65mm	Ea	GFB30C
Magnetic Nutset 3/8 65mm	Ea	GFB31C
Magnetic Bit Holder 75mm	Ea	GFB25C
Magnetic Bit Holder 60mm	Ea	GFB167C
Magnetic Nutset 10mm 74mm		GFB74
Magnetic Nutset 1/4 42mm		GFB26
Magnetic Nutset 1/4 65mm		GFB29
Magnetic Nutset 5/16 42mm		GFB27
Magnetic Nutset 3/8 42mm		GFB28
<b>Torx Bits</b>		
Hex-head Bit 5mm 50mm	Ea	GFB120C
Torx Bit T10 25mm	Ea	GFB139B
Torx Bit T15 25mm	Ea	GFB140B
TORX T15 Tamperproof Bit		GFB140C
TORX BIT T-20 25mm Lth		GFB141B
TORX Tamperproof T15 25mm Lth		GFB141C
TORX BIT T-25 25mm Lth		GFB142B
TORX Tamperproof 25mm Lth		GFB142C
Hex Key Bit 4mm 25mm Lth		GFB65B
Countersink bit 16mm		GFB162



## 8 Sanding - Abrasives

<b>8-1 Festool Abrasive Technical Information</b>	<b>8-1</b>
150mm Dia Sanding Discs	8-2
125mm Dia Sanding Discs	8-4
90mm Dia Sanding Discs	8-5
93mm Dia Sanding Discs	8-6
Portable Sander Belts	8-7
Sanding Machines	8-8
Abrasive Sleeves	8-9
Customized Belts	8-10
Vario-Pro	8-11



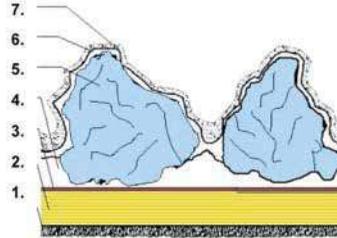
## Festool Abrasives Technical Information

### Technical Composition

At Festool, we use only top-grade materials for our abrasives. This ensures the finest sanding results and extremely long-lasting abrasives.

#### 1. StickFix

Our unique hook and loop design ensures a secure hold, fast change and re-use of marginally worn abrasives. As a result, you'll get the most out of your abrasives and reduce replacement costs.



#### 2. Backing Material

Festool has different backings to match a broad range of applications, from rapid material removal to superior surface quality. Backing materials are:

##### • Paper

Festool uses only top-grade paper of varying weights to assure high tear resistance, durability and superior surface quality. Using only high quality materials assures the best and most reliable work results; this saves you time and money. The different paper weights we use are:

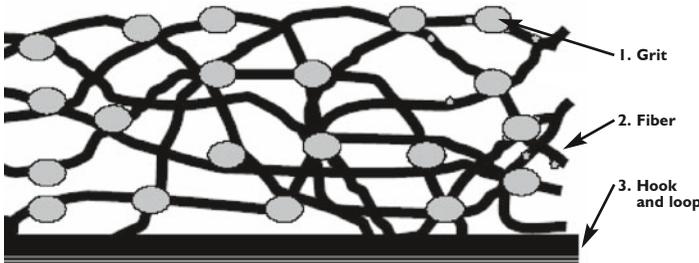
- b-wt 115 g/m<sup>2</sup> – d-wt 165 g/m<sup>2</sup>
- c-wt 130 g/m<sup>2</sup> – e-wt 185 g/m<sup>2</sup>

##### • Fabric

Festool uses a special x-type woven fabric which ensures its abrasives are long-lasting when used under tough conditions and on uneven surfaces. The fiber increases strength and prevents the abrasive from tearing at the edges. This backing is excellent for heavy duty jobs and results in a very long operational life and considerable cost savings.

##### • Fiber

Festool uses a special elastic fiber mat. This mat is embedded with abrasive particles. Festool's name for this abrasive mat is Vlies. With Vlies, it's easier to achieve consistent results on complicated contours.



##### • Foam and fiber

A foam backing compensates for uneven pressure to protect the surface and allow you to achieve perfect results. Foam and fiber works great on transitions, too. The foam efficiently adapts to the work piece contour. This produces reliable work results and high surface qualities.

The special velour on top of the foam assures the best grit bonding and prevents the edges from tearing. Like the foam, it is air permeable and open pored. It extracts almost 100% of the particulate through the backing and ensures a clear view of the work piece. You will achieve better, more reliable work results and less reworking.

#### 3. Impregnation

We saturate the backing material with a special solution to fill up the pores. This impregnation assures the best bonding and prevents the backing from being penetrated by the bonding. Impregnation gives the bonding better adhesion and protects grits from breaking off, especially on the edges. Impregnation extends the abrasive's useful life which help save you money by reducing replacement costs.

#### 4. Base bonding

Abrasives must have good bonding to be long lasting. The base bonding secures the grains to the backing material and prevents the grits from breaking off. We use only high quality material to give our abrasives longer life and this lowers your replacement costs. For matched bonding, we use different materials depending on the abrasive.

##### • Synthetic resin

Synthetic resin guarantees high flexibility and allows the abrasive to better adapt to the sanding surface. You will see superior results which means less reworking and more time savings. The high strength of synthetic resin

synthetic resin and synthetic resin combinations to assure best results and to provide long operational life.

##### • Phenolic resin

Phenolic resin is highly heat resistant. It provides a strong yet flexible bond which prevents scratching along the edges. This high quality bond prevents grits from breaking off even under the toughest conditions. This extends the service life of the abrasive and saves you money.



#### 5. Sanding grit

Festool uses high quality silicon carbide or aluminum oxide. These grits produce the best material removal rates, highest surface quality and greatest durability. Every application requires specific efficiencies which is why we offer a complete system of abrasives. You save on replacement costs and achieve better results with less reworking.

• **Silicon carbide** is almost as hard as a diamond. The particles are slivershaped and have the ability to cut aggressively on a wide range of materials while using little pressure. Because it resists heat well, silicon carbide holds up during demanding applications. The particles have consistent size and grading; they provide the best results for high quality surface finishes and produce consistently reliable work results.

• **Aluminum oxide** is hard, sharp, tough and remarkably durable. The particles are wedgeshaped which allows the grains to penetrate at a high cut rate. Aluminum oxide is friable, which means that as it heats up, it breaks down at a controlled rate, producing a fresh cutting edge. Aluminum oxide's high material removal coupled with extreme durability saves both time and money.

#### 6. Top bonding

Top bonding prevents grits from breaking off and supports their adhesion to the base bond. Bonding agents include synthetic and phenolic resins. This creates greater resistance to tear out and a longer service life.

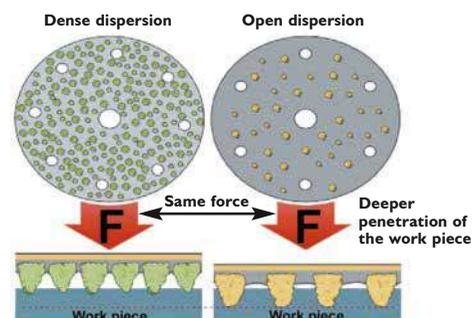
#### 7. Coating

Our abrasives receive a final top coat specific to their application. These coatings prevent clogging, smearing and extend the abrasive's useful life. This lowers your replacement costs and produces better results. The bottom line is that you will spend less time sanding and finish sooner.

#### Dispersion

Festool offers you the perfect abrasive for whatever your application. Our abrasives range in dispersion levels to better facilitate a broad range of applications. The right dispersion level assures the best and most reliable sanding results as well as providing high sanding capacity.

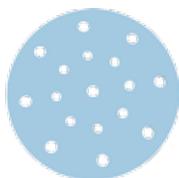
- **Open-coat** means fewer abrasive particles on the surface. Having more space between the grains provides clearance for sanding swarf, prevents clogging and ensures a high material removal rate. The sparser the grit coating, the greater the material removal rate and quicker material removal saves you time.
- With **closed-coat** abrasives, the concentration of grains is greater and thus the space between the grits is smaller. This results in a softer scratch pattern and a better quality surface. The denser dispersion provides a better sanded finish and helps you produce the finest sanded finish possible – every single time.
- Festool also has some abrasives with a **semi closed-coat** for a combined high removal rate and good surface quality. These abrasives give you the best of both worlds.



## 150mm Ø Sanding Disc Range

### FESTOOL DISCS

# FESTOOL



### Granat Material (Blue)

– Recommended for Composite Materials

**Most Popular**

#### 150mm I6 + hole Speed Grip

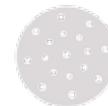
GRIT	QTY	PART NO
40	10 PKT	FES497151
60	10 PKT	FES497152
80	10 PKT	FES497153
120	10 PKT	FES497154
180	10 PKT	FES497155
320	10 PKT	FES497155
40	50 BX	FES496975
60	50 BX	FES496976
80	50 BX	FES496977
100	100 BX	FES496978
120	100 BX	FES496979
150	100 BX	FES496980
180	100 BX	FES496981
220	100 BX	FES496982
240	100 BX	FES496983
280	100 BX	FES496984
320	100 BX	FES496985
360	100 BX	FES496986
400	100 BX	FES496987
500	100 BX	FES496989
800	100 BX	FES496990
1200	100 BX	FES496991
1500	100 BX	FES496992

### VELCRO STICK-FIX ABRASIVE DISCS



### FESTOOL DISCS

# FESTOOL



### Brilliant Material (White)

– Recommended for Painted Timber

#### 150mm I6 + hole Speed Grip

GRIT	QTY	PART NO
40	10 PKT	FES496579
60	10 PKT	FES496580
80	10 PKT	FES496581
120	10 PKT	FES496582
180	10 PKT	FES496583
320	10 PKT	FES496584
40	50 BX	FES496585
60	50 BX	FES496586
80	50 BX	FES496587
100	100 BX	FES496588
120	100 BX	FES496589
150	100 BX	FES496590
180	100 BX	FES496591
220	100 BX	FES496592
240	100 BX	FES496593
320	100 BX	FES496594
400	100 BX	FES496595

### FESTOOL DISCS

– Recommended for Bare Timber **Rubin Material (Red)**

#### 150mm I6 + hole Speed Grip

GRIT	QTY	PART NO
40	10 PKT	FES499109
60	10 PKT	FES499110
80	10 PKT	FES499111
100	10 PKT	FES499112
120	10 PKT	FES499113
150	10 PKT	FES499114
180	10 PKT	FES499115
220	10 PKT	FES499116
40	50 BX	FES499117
60	50 BX	FES499118
80	50 BX	FES499119
100	50 BX	FES499120
120	50 BX	FES499121
150	50 BX	FES499122
180	50 BX	FES499123
220	50 BX	FES499124

## 150mm Ø Sanding Disc Range

### NORTON DISCS



#### 150mm 9 hole Speed Grip (Salmon colour Box)

GRIT	QTY	NOR CODE
80	100 BX	NOR875V0150009H080
100	100 BX	NOR875V0150009H100
120	100 BX	NOR875V0150009H120
150	100 BX	NOR875V0150009H150
180	100 BX	NOR875V0150009H180
240	100 BX	NOR875V0150009H240
320	100 BX	NOR875V0150009H320
400	100 BX	NOR875V0150009H400
500	100 BX	NOR875V0150009H500
600	100 BX	NOR875V0150009H600
800	100 BX	NOR875V0150009H800
1200	100 BX	NOR875V0150009H1200

#### 150mm 6 Hole Speed Grip A275 Material

GRIT	QTY	NOR CODE
80	100 BX	NOR875V0150006H080
100	100 BX	NOR875V0150006H100
150	100 BX	NOR875V0150006H150

### NORTON DISCS



#### 150mm No hole Stick 'n' Sand (Green Box)

GRIT	QTY	NOR CODE
60	50 BX	NOR84040150060
80	100 BX	NOR84040150080
100	100 BX	NOR84040150100
120	100 BX	NOR84040150120
150	100 BX	NOR84040150150
180	100 BX	NOR84040150180
220	100 BX	NOR84040150220
240	100 BX	NOR84040150240
280	100 BX	NOR84040150280
320	100 BX	NOR84040150320
400	100 BX	NOR84040150400



## 125mm Ø Sanding Disc Range

### NORTON DISCS



**Premium A275 Material**

– Recommended for bare and painted Timber, and fillers

**125mm 8 hole Speed Grip**

GRIT	QTY	NOR CODE
80	100 BX	NOR875V0125008H080
100	100 BX	NOR875V0125008H100
150	100 BX	NOR875V0125008H120
180	100 BX	NOR875V0125008H150

### FESTOOL DISCS



**Granat Material (Blue)**

– Recommended for Composite Materials

**125mm 9 hole Speed Grip**

GRIT	QTY	PART NO
40	10 PKT	FES497151
60	10 PKT	FES497152
80	10 PKT	FES497153
120	10 PKT	FES497154
180	10 PKT	FES497155
320	10 PKT	FES497156
40	50 BX	FES496975
60	50 BX	FES496976
80	50 BX	FES496977
100	100 BX	FES496978
120	100 BX	FES496979
150	100 BX	FES496980
180	100 BX	FES496981
220	100 BX	FES496982
240	100 BX	FES496983
280	100 BX	FES496984
320	100 BX	FES496985

### FESTOOL DISCS



**Brilliant Material (White)**

– Recommended for Painted Timber

**125mm 9 hole Speed Grip**

GRIT	QTY	PART NO
40	10 PKT	FES495989
60	10 PKT	FES495990
80	10 PKT	FES495991
120	10 PKT	FES495992
180	10 PKT	FES495993
320	10 PKT	FES495994
40	50 BX	FES493657
60	50 BX	FES492944
80	50 BX	FES492945
100	100 BX	FES492946
120	100 BX	FES492947
150	100 BX	FES492948
180	100 BX	FES492949
220	100 BX	FES492950
320	100 BX	FES492951
400	100 BX	FES492952



## 90mm Ø Sanding Disc Range

### FESTOOL DISCS

## FESTOOL

### Granat Material (Blue)



– Recommended for Composite Materials

**90mm 6 hole Speed Grip**

GRIT	QTY	PART NO
40	50PKT	FES497363
60	50PKT	FES497364
80	100PKT	FES497365
100	100PKT	FES497366
120	100PKT	FES497367
150	100PKT	FES497368
180	100PKT	FES497369
220	100PKT	FES497370
240	100PKT	FES497371
280	100PKT	FES497850
320	100PKT	FES497372
400	100PKT	FES497373
500	100PKT	FES498326
800	50 PKT	FES498327
1000	50 PKT	FES498328
1200	50 PKT	FES498329
1500	50 PKT	FES498330

### FESTOOL

### Rubin Material (Red)



– Recommended for Bare Timber

**90mm 6 hole Speed Grip**

GRIT	QTY	PART NO
40	50 PKT	FES499077
60	50 PKT	FES499078
80	50 PKT	FES499079
100	50 PKT	FES499080
120	50 PKT	FES499081
150	50 PKT	FES499082
180	50 PKT	FES499083
220	50 PKT	FES499084

### FESTOOL DISCS

## FESTOOL

### Brilliant Material (White)



– Recommended for Painted Timber

**90mm 6 hole Speed Grip**

GRIT	QTY	PART NO
40	10 PKT	FES497379
60	10 PKT	FES497380
80	50 PKT	FES497381
100	100 PKT	FES497382
120	100 PKT	FES497383
150	100 PKT	FES497384
180	100 PKT	FES497385
220	100 PKT	FES497386
240	100 PKT	FES497387
320	100 PKT	FES497388
400	100 PKT	FES497389

### FESTOOL

### Brilliant Material (White)



**DELTA ORBITAL SANDER SHEETS (Triangle)**

**100 x 150mm Delta Stick fix Sheets**

GRIT	QTY	PART NO
40	10 PKT	FES492804
60	10 PKT	FES496010
80	10 PKT	FES492805
120	10 PKT	FES492806
180	10 PKT	FES492807
40	50 BX	FES492793
60	50 BX	FES492794
80	50 BX	FES492795
100	100 BX	FES492796
120	100 BX	FES492797
150	100 BX	FES492798
180	100 BX	FES492799
220	100 BX	FES492800
240	100 BX	FES492801
320	100 BX	FES492802
400	100 BX	FES492803

## 93mm Triangle Sanding Disc Range

**FESTOOL DISCS**

### FESTOOL

**Brilliant Material (White)**

– Recommended for Painted Timber

**93mm 6 hole Speed Grip**



GRIT	QTY	PART NO
40	10 PKT	FES492879
60	10 PKT	FES496011
80	10 PKT	FES492880
120	10 PKT	FES492881
180	10 PKT	FES492882
40	50 PKT	FES492883
60	50 PKT	FES492884
80	50 PKT	FES492885
100	100 PKT	FES492886
120	100 PKT	FES492887
150	100 PKT	FES492888
180	100 PKT	FES492889
220	100 PKT	FES492890
240	100 PKT	FES492891
320	100 PKT	FES492892
400	100 PKT	FES492893

**FESTOOL DISCS**

### FESTOOL

**Rubin Material (Red)**

– Recommended for Bare Timber

**93mm 6 hole Speed Grip**



GRIT	QTY	PART NO
40	10 PKT	FES499169
60	10 PKT	FES499170
80	10 PKT	FES499171
100	10 PKT	FES499172
120	10 PKT	FES499173
150	10 PKT	FES499174
180	10 PKT	FES499175
220	10 PKT	FES499176
40	50 PKT	FES499161
60	50 PKT	FES499162
80	50 PKT	FES499163
100	50 PKT	FES499164
120	50 PKT	FES499165
150	50 PKT	FES499166
180	50 PKT	FES499167
220	50 PKT	FES499168

### FESTOOL

**Granat Material (Blue)**

– Recommended for Composite Materials

**93mm 6 hole Speed Grip**



GRIT	QTY	PART NO
40	50 PKT	FES497390
60	50 PKT	FES497391
80	50 PKT	FES497392
100	100 PKT	FES497393
120	100 PKT	FES497394
150	100 PKT	FES497395
180	100 PKT	FES497396
220	100 PKT	FES497397



## Portable Sander Belts

### NORTON BELTS



#### Portable Sander Belts

**100mm w x 610 Lth XW34I**

GRIT	QTY	NOR CODE
40	10 BX	NOR040001000610040
60	10 BX	NOR040001000610060
80	10 BX	NOR040001000610080
100	10 BX	NOR040001000610100
120	10 BX	NOR040001000610120



#### Portable Sander Belts

**75mm w x 533 Lth Cloth XW34I**

GRIT	QTY	PART NO
40	10 BX	NOR040000750533040
60	10 BX	NOR040000750533060
80	10 BX	NOR040000750533080
100	10 BX	NOR040000750533100
120	10 BX	NOR040000750533120

#### Portable Sander Belts

**75mm w x 610 Lth Cloth XW34I**

GRIT	QTY	PART NO
40	10 BX	NOR040001000610040
60	10 BX	NOR040001000610060
80	10 BX	NOR040001000610080
100	10 BX	NOR040001000610100
120	10 BX	NOR040001000610120

### OSCILLATING SANDERS



#### Flat Sheets

#### Oscillating Sander Sheets

**230mm x 280mm A275 Premium**

GRIT	QTY	NOR CODE
80	50 PKT	NOR805102300280080
100	100 PKT	NOR805102300280100
120	100 PKT	NOR805102300280120
150	100 PKT	NOR805102300280150
180	100 PKT	NOR805102300280180
220	100 PKT	NOR805102300280220
240	100 PKT	NOR805102300280240
280	100 PKT	NOR805102300280280
320	100 PKT	NOR805102300280320
400	100 PKT	NOR805102300280400
600	100 PKT	NOR805102300280600



#### A275 Material

#### 1/3rd Sheet Orbital Sanders

Cut standard 230mm x 280mm  
Into three 230mm x 93mm sheets

#### 1/3rd Sheet Orbital Sanders

Cut standard 230mm x 280mm  
Into two 115mm x 280mm sheets

## Sanding Machines



### Big Boy 80 Sander Belts

**150mm x 2260mm Lth XW341 Material**

GRIT	NOR CODE
40	NOR040001502260040
60	NOR040001502260060
80	NOR040001502260080
100	NOR040001502260100
120	NOR040001502260120
150	NOR040001502260150
180	NOR040001502260180
240	NOR040001502260240

### AMADS-1632A-Drum Sander

**IHP-IPH Drum diameter 125mm**

- Variable Speed Conveyor  
0 to 31 inches per minute
- Large sanding capacity 16 to 32 inches with two passes
- Depth scale for accurate height adjustment

#### Abrasives

- DS1632A  
405mm Drum Width



### G216 Abrasive Rolls 70w x 50mtr x 150mm

GRIT	CODE
P60	NOR012300700050060
P80	NOR012300700050080
P100	NOR012300700050100
P120	NOR012300700050120
P150	NOR012300700050150



### AS-609 Belt / Disc Sanding Machine

**150mm x 1220mm Lth XW341 Cloth Belts**

GRIT	NOR CODE
40	NOR040001501220040
60	NOR040001501220060
80	NOR040001501220080
100	NOR040001501220100
120	NOR040001501220120
150	NOR040001501220150
180	NOR040001501220180
240	NOR040001501220240

### AS-609 Belt / Disc Sanding Machine

**230mm dia H211 Stick on Discs**

GRIT	NOR CODE
40	NOR130402300000040
60	NOR130402300000060
80	NOR130402300000080
100	NOR130402300000100
120	NOR130402300000120



### Accessories

**Velcro Hook - Face Replace Pads**

DIA	CODE
230mm	NORAM230
305mm	NORAM305



### Norton Belt Cleaner

200 x 50 x 25	NOR9900
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### Graphite Slip Cloth

152mm W 1.0mtr	NOR900W01500001000
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## Abrasive Sleeves & Rolls



**AMAW012**



**WD-12 and OVS-12 Sanders**

**305mm dia H211 Stick on Discs**

GRIT	NOR CODE
40	NOR130403050000040
60	NOR130403050000060
80	NOR130403050000080
100	NOR130403050000100
120	NOR130403050000120
180	NOR130403050000180

**AMAOVS-JM**



**OVS Abrasive Sleeves**

**1/4" Dia x 125mm Lth**

- AMAOVS-E-1/4-60
- AMAOVS-E-1/4-100

**3/8" Dia x 150mm Lth**

- AMAOVS-E-3/8-60
- AMAOVS-E-3/8-100

**1/2" Dia x 150mm Lth**

- AMAOVS-E-1/2-60
- AMAOVS-E-1/2-100

**5/8" Dia x 150mm Lth**

- AMAOVS-E-5/8-60
- AMAOVS-E-5/8-100

**3/4" Dia x 150mm Lth**

- AMAOVS-E-3/4-60
- AMAOVS-E-3/4-100

**1" Dia x 150mm Lth**

- AMAOVS-E-3/4-60
- AMAOVS-E-3/4-100

**1-1/2" Dia x 225mm Lth**

- AMAOVS-E-1.1/2-60
- AMAOVS-E-1.1/2-100

**2" Dia x 225mm Lth**

- AMAOVS-E-2-60
- AMAOVS-E-2-100

**3" Dia x 225mm Lth**

- AMAOVS-E-3-60
- AMAOVS-E-3-100

**4" Dia x 225mm Lth**

- AMAOVS-E-4-60
- AMAOVS-E-4-80
- AMAOVS-E-4-100

**AMAOVS-12**



### H211 Rolls of Sand Paper



- Open coat to resist clogging
- F Weight Backing for heavy duty use
- Strong Resin bond and durable Aluminium Oxide Abrasive
- Longer Lasting than G216

**NOR12230150050080**

115w X 50 mtr P80 H211 Paper  
Norton Abrasive Roll

**NOR12230150050100**

115w X 50 mtr P100 H211 Paper  
Norton Abrasive Roll

**NOR12230150050120**

115w X 50 mtr P120 H211 Paper  
Norton Abrasive Roll

**NOR12230150050150**

115w X 50 mtr P150 H211 Paper  
Norton Abrasive Roll

**NOR122301500050080**

150w X 50 mtr P80 H211 Paper  
Norton Abrasive Roll

**NOR122301500050100**

150w X 50 mtr P100 H211 Paper  
Norton Abrasive Roll

**NOR122301500050120**

150w X 50 mtr P120 H211 Paper  
Norton Abrasive Roll

**NOR122301500050150**

150w X 50 mtr P150 H211 Paper  
Norton Abrasive Roll

## Customized Stroke Sander Belts



### LARGE STROKE SANDERS

#### Large Stroke Sanders

Abrasive Belts made to order. Minimum 5 belts

#### Belt Width

Generally 150mm.

#### Materials

H236 Paper Suitable all woods Grits: 40 > 240 Code NOR1220..  
XW341 Cloth Light to Heavy Duty sanding Grits: 40 > 180 NOR04000...

#### Length

Supply measurement

#### Details Required

Belt Width - length - Material Type - Grit

**Minimum Order 5 of 1 grit**

**Delivery generally 10 working days**



## Customized Wide Belt Sanders



### CUSTOM MADE WIDE BELT SANDERS

#### Details Required

Belt Width - length - Material Type - Grit Code NOR1222...

Customer assistance with recording the range of Belts, used for each machine. Having an inventory record of the belts used makes re-ordering so much easier

#### Made to Order

**Minimum Order 5 of 1 grit**

**Delivery generally 10 working days**



## Vario-Pro

### ADJUSTABLE PROFILE SANDING PAD

- Offers easy profile sanding on **convex** and **concave** surfaces. The design offers quick conformation to specific profiles.
- Avoids creating flat spots.
- Comfortable easy grip design.
- Maintenance free.
- **Applications: Wood, MDF, Corian.**

#### Norton Abrasive Sheets

- Speed-grip hook and loop, quick fastening system.
- A275 grade Premium abrasive material.
- For fast cutting and long life.

**Sheet size – 100mm x 90mm**

#### DESCRIPTION

Vario-Pro

#### PART NO.

MERVARIOPRO

#### GRIT

P80

PI20

PI80

P220

#### PART NO.

NORVARIOP80

NORVARIOP120

NORVARIOP180

NORVARIOP220



Loosen screw to adjust to a new profile.



Place the sanding pad on the profile and adjust the Lamellas to the required profile, by pressing the tool from the top.



While pressing the sanding pad on the profile, tighten the fixing screw to ensure the Lamellas are held in place.



Mount the sand paper on one side first then press over the profile and fix the sand paper onto the other side.



Clean the sand paper with a sisal or nylon brush to increase the sanding quality and life of the paper.

## 9 Portable Power Tools

### 9-1 Lamello Jointing Systems

<b>P-System</b>	9-1
<b>Clamex P</b>	9-5
<b>Bisco P</b>	9-7
<b>Clamex P Applications</b>	9-8
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## 9 Portable Power Tools

### 9-2 Festool

<b>Plunge Cut Saws</b>	<b>9-39</b>
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<b>Storage System</b>	<b>9-85</b>
<b>Stirring And Mixing</b>	<b>9-93</b>
<b>Compact Modular System</b>	<b>9-94</b>



## P - System

**SAVE TIME DAILY**  
DIFFERENTIATE YOUR PRODUCT

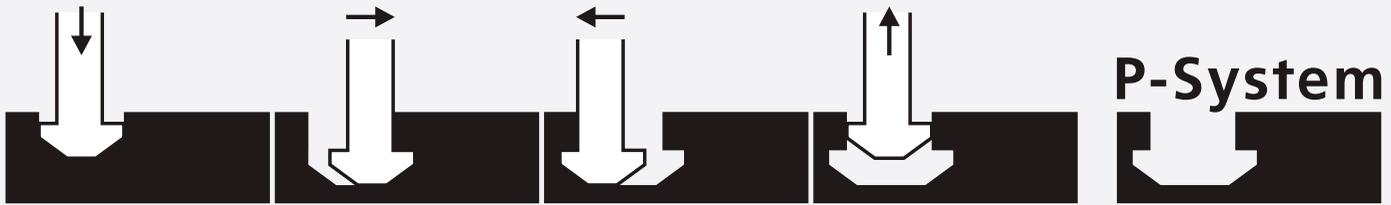


## P - System

**FORM LOCKING, TOOL-FREE INSTALLATION**  
LAMELLO P-SYSTEM FITTING

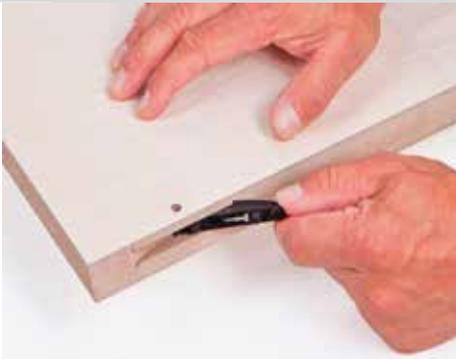


### How it works



## Advantages and Properties

### FITTINGS INSTALLATION TWICE AS FAST



Save cost due to the fast installation of fittings by simply inserting the elements

### TOOL-LESS FITTINGS INSTALLATION



Very simple fitting installation by hand in the workshop or on site

### LOW PACKING VOLUME



Stackable with pre-installed fittings brings advantages in packing and transport and allows for fast assembly on site

## P - System

**FORM-LOCKING ANCHORAGE WITHOUT TOOLS**

**FAST INSTALLATION**  
Inserting instead of screwing or glueing

**STRONG**

Form-locking anchorage across large surface areas

**LATERAL TOLERANCE**

Perfect, flush alignment of both work pieces

**SHALLOW DEPTH**

Minimal cutting depth with maximum tensile strength

**NO TWISTING**

The positioning pins prevent twisting without additional dowels

## Clamex P

**DETACHABLE CONNECTING FITTING**

**DETACHABLE**  
Open the connection time and time again with the rotating lever

**AESTHETIC**

The small, hardly visible opening ( $\varnothing = 6\text{mm}$ ) serves to close and open the connector

**HIGH CLAMPING FORCE**

Clamp and glue work pieces at any angle, ~80 kg

**STACKABLE**

Work pieces with pre-installed P-System fittings are stackable for storage and transport

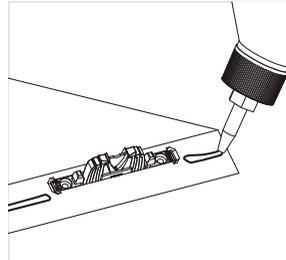
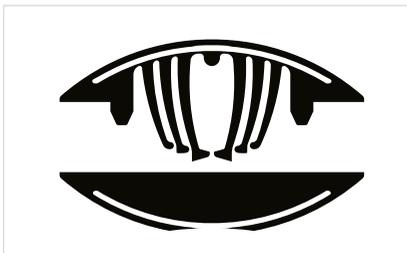
**VERSATILE**

The shallow element depth allows for mitres from 22.5-180°, surface, corner and dividing panel connections

## Tenso P

### SELF-CLAMPING FITTING AS GLUEING AID, FOR ALL ANGLES

**WITH  
PRELOAD  
CLIP**



**GLUEING**

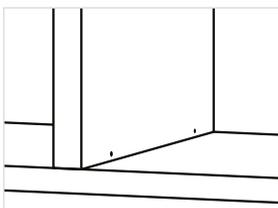
Fixed joints of two workpieces

**INVISIBLE**

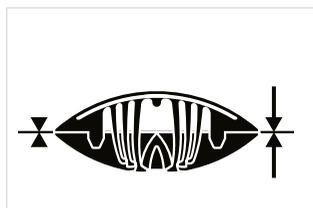
**HIGH CLAMPING  
FORCE**

**VERSATILE**

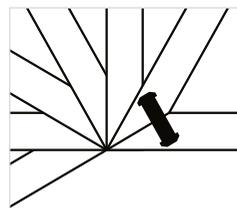
**LOWER ASSEMBLY  
FORCE**



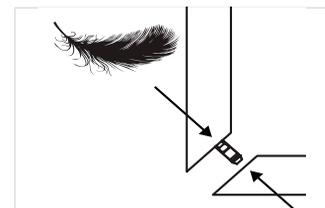
No visible fitting



Allows for perfect alignment and clamps the workpieces ~ 15kg



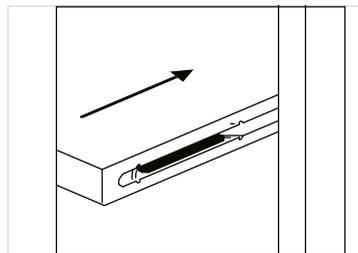
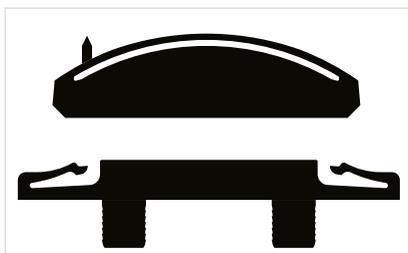
Simple glueing of mitre joints



Only a short power impulse necessary to join, regardless of the number of connectors

## Divario P

### SELF-CLAMPING, INVISIBLE FITTING FOR SLIDE INSERTION



**SLIDING INSERTION**

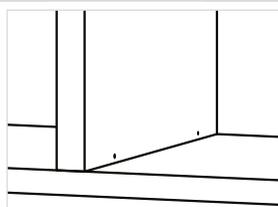
Insertion between two fixed sides or shelves via a guiding groove

**INVISIBLE**

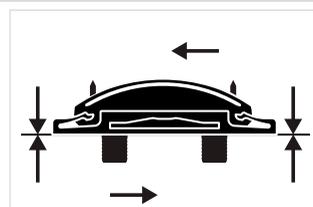
**CLAMPED JOINT**

**FAST INSTALLATION**

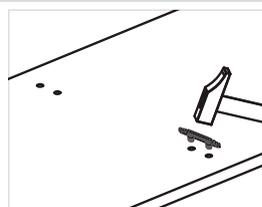
**ASSEMBLE BY SLIDING**



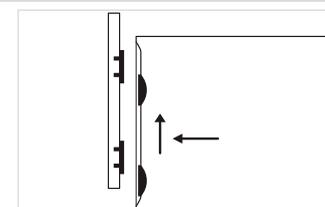
Guiding groove covers the fittings



No resistance while inserting until shortly before building the clamping force



Quick installation of the fittings without glue after transport.



Partially routed guiding groove for completely invisible furniture joints

## Clamex P

### DETACHABLE CONNECTING FITTING

#### Advantages and properties

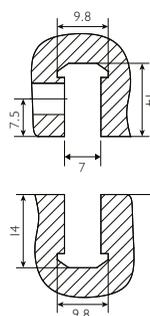
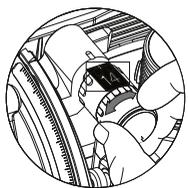
- Small opening 6mm, differentiation to furniture standards
- Stackable with pre-installed fittings, advantages in packaging, transport and logistics
- Short assembly time on site, minimal installation cost

- Versatility for all angles, Same system for all joining situations
- Freedom of choice during assembly, detachable or glued construction



## Clamex P-14

### DETACHABLE CONNECTING FITTING



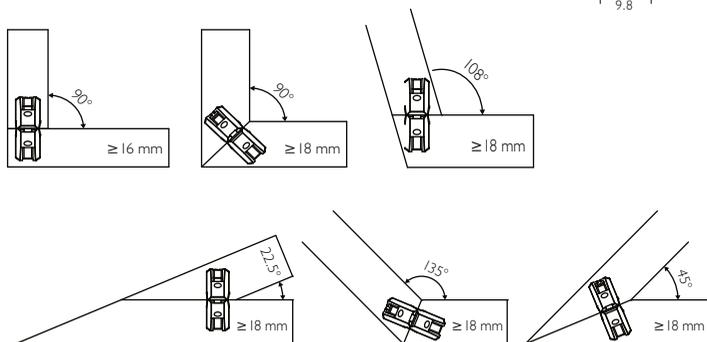
For panels from 16 mm

#### Technical data

Size	66 x 27 x 9.7mm
Cutter	Ø 100.4 x 7 x 22
Material of connector	fibreglass reinforced plastic
Material of lever	zinc die cast
Installation tolerance	longitudinal ± 1mm

#### Tensile Strength (N)

MDF	~900
Particle Board	~800
Beech	~1'000



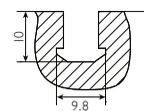
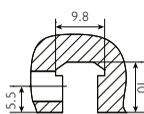
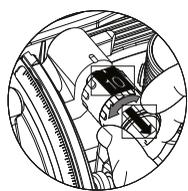
**\*Most Popular**

#### Clamex P-14

Carton with 80 pairs	LAMI45334
<b>*Carton with 300 pairs</b>	<b>LAMI45346</b>
Carton with 1000 pairs	LAMI45356
Drill jig P-System	LAMI25344

## Clamex P-10

### DETACHABLE CONNECTING FITTING



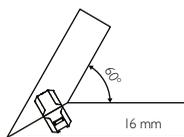
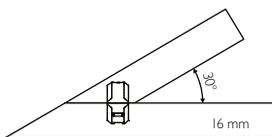
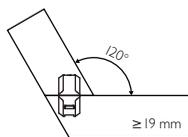
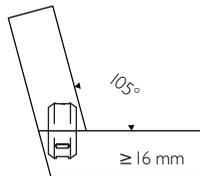
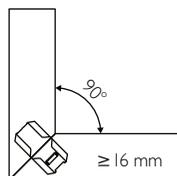
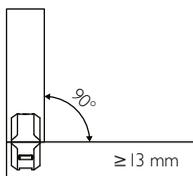
For panels from 13mm

#### Technical data

Size	52 x 19 x 9.7mm
Cutter	Ø 100.4 x 7 x 22
Material of connector	fibreglass reinforced plastic
Material of lever	zinc die cast
Installation tolerance	longitudinal ± 0.5mm

#### Tensile Strength (N)

MDF	~600
Particle Board	~600
Beech	~900



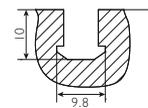
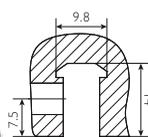
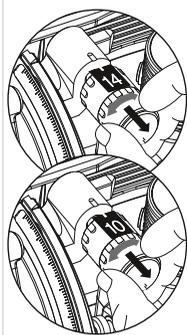
#### Clamex P-10

Carton with 80 pairs	LAMI45372
Carton with 300 pairs	LAMI45373
Carton with 1000 pairs	LAMI45374

Drill jig P-System LAMI25344

## Clamex P-Medius 14/10

### DETACHABLE CONNECTING FITTING FOR CENTRE PANELS



For centre panels from 16mm

#### Technical data

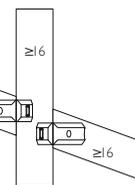
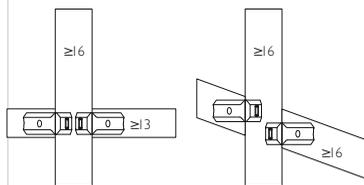
Size	66 x 13.5 x 9.7mm
	52 x 7.5 x 9.7mm
Cutter	Ø 100.4 x 7 x 22
Material of connector	fibreglass reinforced plastic
Material of lever	zinc die cast
Installation tolerance	longitudinal ± 1mm

	Load (N) (19mm)	Tensile Strength (N)
MDF	~700	~800
Particle Board	~550	~600
Beech	~2400	~900

#### Clamex P Medius 14/10

	Art No
Carton with 80 pairs	LAMI45370
Carton with 300 pairs	LAMI45371
Carton with 1000 pairs	LAMI45372

Drill jig P-System LAMI25344



## Bisco P

### ALIGNING ELEMENT SUITABLE FOR CLAMEX P-14 AND TENSO P-14

#### Advantages and Properties

- Ideal addition to Clamex P and Tenso P, fits into the P-System grooves, without requiring a different cutter
- Bisco P-14 is ideal for dry-assembly before gluing a joint with Tenso P-14
- For aligning P-System grooves, aligning function without glue

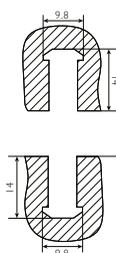
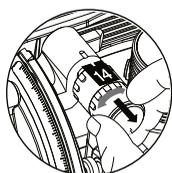
-Surface structure allows use as a connecting element when gluing work pieces with PVA glue

#### Applications of Bisco P

- Separation walls
- Furniture with large depth
- Glueing of work pieces

## Bisco P-14

### Aligning Element suitable for Clamex P-14 and Tenso P-14



#### Technical Data

Size Bisco P-14	65 x 27 x 7mm
Size Bisco P-10	52 x 19 x 7mm
Cutter	Ø 100.4 x 7 x 22
Material	Plastic
Installation tolerance	longitudinal ± 2mm
Tensile strength with adhesive	~400N ≈ 40kg

#### BISCO P-14 PART NO

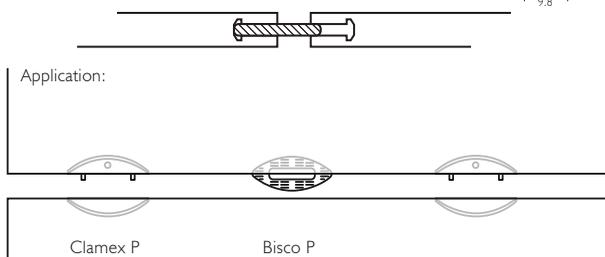
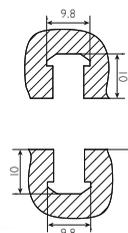
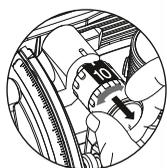
Carton with 80 pieces	LAMI45301
Carton with 300 pieces	LAMI45302
Carton with 1000 pieces	LAMI45303

#### BISCO P-10 PART NO

Carton with 80 pieces	LAMI45304
Carton with 300 pieces	LAMI45305

## Bisco P-10

### Aligning Element suitable for Clamex P-10



## Clamex P- Applications

### FURNITURE MANUFACTURING / INTERIOR FITTING



#### Your Advantages with Clamex P

##### Aesthetic Solution

- Differentiation to furniture standards

##### Stackable with Pre-installed Fittings

- Advantages in packaging, transport and logistics

##### Short Assembly time on site

- Minimal installation cost

#### Applications

sideboards | shelves | wardrobes | display cases | kitchen furniture | TV furniture | etc.

- ✓ Detachable
- ✓ Aesthetic

## Production Process

### 1. P-Groove with CNC

- Same profile groove for both workpieces
- Short process time
- Direct data transfer from CAD / CAM
- No additional dowels for alignment necessary

### 2. Storage

- Small storage volume when stacking despite installed connector
- Remove the connector for surface treatment – fast and easy
- Short reaction time for finishing of standard parts

### 3. Delivery in Parts

- Small transport volume with pre-installed fittings due to stackability
- Smaller stock volume for the dealer
- Easy transport of the parts into the building

### 4. Assembly on Site

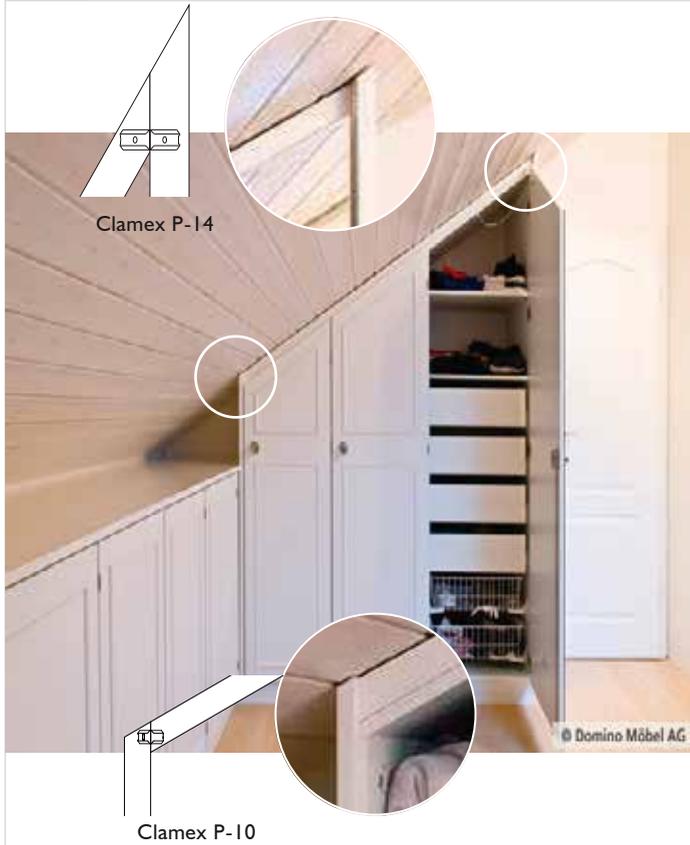
- Shorter assembly time at the customer's due to the pre-installed connectors
- Easy to assemble for a lay person with an allen key
- No second person necessary
- No dowels for lining-up necessary
- Easy to take apart when moving

- ✓ No twisting
- ✓ Versatile
- ✓ Fast installation
- ✓ Strong
- ✓ Lateral tolerance
- ✓ Shallow cutting
- ✓ High clamping force
- ✓ Stackable



## Clamex P - Applications

### FURNITURE MANUFACTURING / INTERIOR FITTING



#### Your advantages with Clamex P

##### Aesthetic solution

– Differentiation to furniture standards

##### Stackable with pre-installed fittings

– Advantages in packaging, transport and logistics

##### Short assembly time on site

– Minimal installation cost

- |  |   |
|--|---|
| ✓  Detachable           | ✓  Fast installation                     |
| ✓  Aesthetic            | ✓  Strong and form-locking               |
| ✓  High clamping force | ✓  Lateral tolerance in P-System groove |
| ✓  Stackable          | ✓  Shallow cutting depth               |
| ✓  Versatile          | ✓  No twisting                         |

#### Applications

sideboards | shelves | wardrobes | display cases |  
kitchen furniture | TV furniture | etc.



## Clamex P - Applications

### SHOP FITTING / KITCHEN MANUFACTURING



#### Your advantages with Clamex P

**Stackable with pre-installed fittings**

- Advantages in packing, transport and logistics

**Versatility for all angles**

- Same system for all joining situations

**Freedom of choice during assembly**

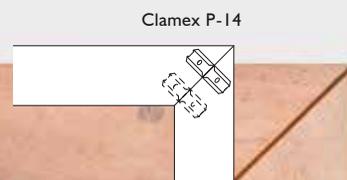
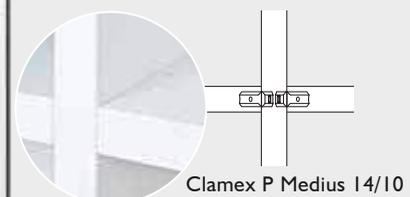
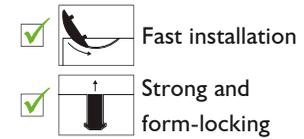
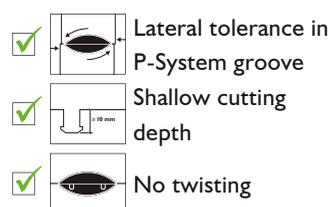
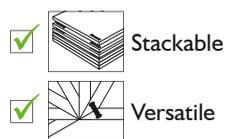
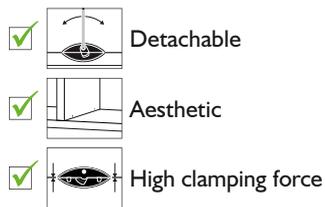
- Detachable or glued construction

**Short assembly time on site**

- Minimal installation cost

#### Applications

wall elements | furniture | show cases |  
changing rooms | stools | etc.



## Tenso P-14

### SELF-CLAMPING FITTING AS GLUEING AID



#### Save Time and Money!

- No pressure marks and damaged areas on your work piece
- Work pieces are automatically in the correct angle
- Surplus glue can be easily wiped off
- Workpieces can be stacked or moved to temporary storage (no waiting time)

#### Save yourself from:

- Preparing clamps and protectors
- Needing an additional person holding the clamps and protectors
- Waiting time until the clamps can be removed

#### Important

The aligning element Bisco P-14 is ideal to dry-assemble the joints before glueing

#### Technical Data

Size	66 x 27 x 9.7mm
Cutter	Ø 100.4 x 7 x 22
Material of connector	fibreglass reinforced plastic
Installation tolerance	longitudinal ± 1mm

#### Clamping force (N)

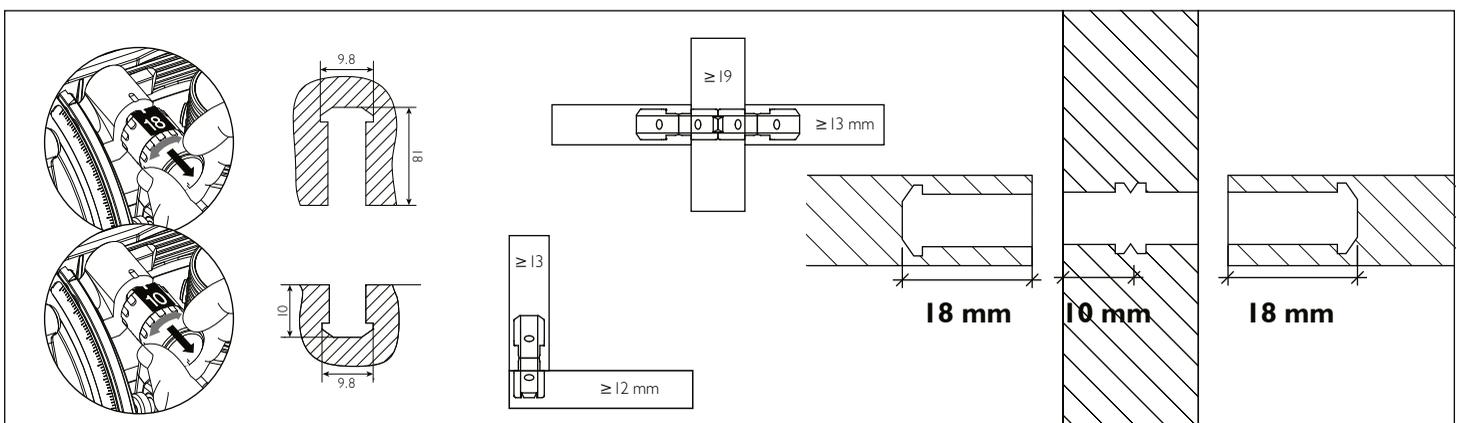
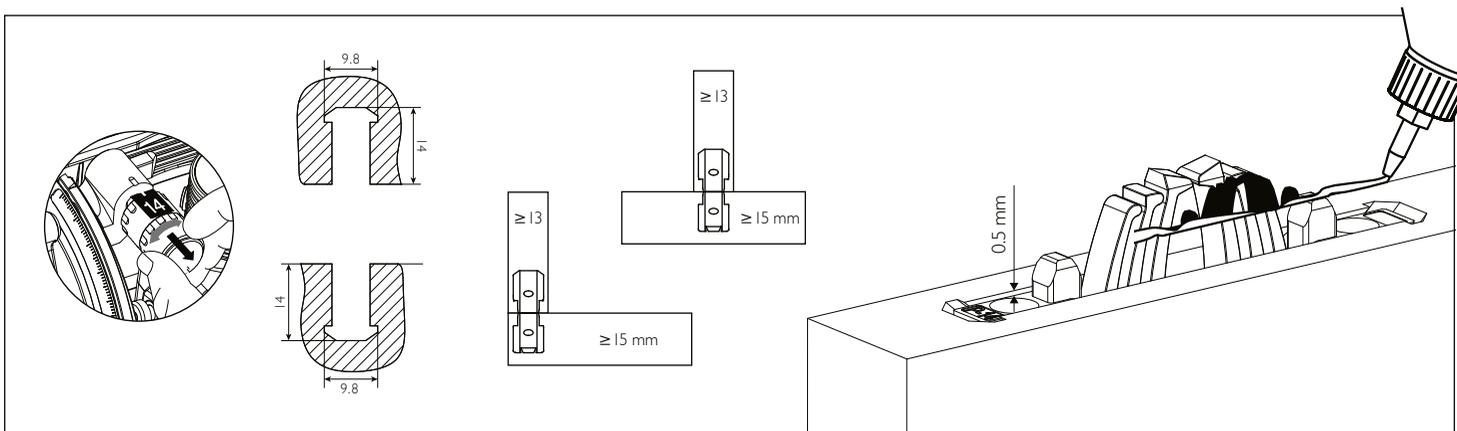
Per fitting	~ 150
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#### TENSO P-14

#### PART NO

Carton with 80 pairs	LAM145415
<b>Carton with 300 pairs</b>	<b>LAM145425</b>
Carton with 1000 pairs	LAM145435

*\*Most Popular*



## Tenso P-14 + preload clip



SELF-CLAMPING FITTING AS GLUEING AID, FOR ALL ANGLES

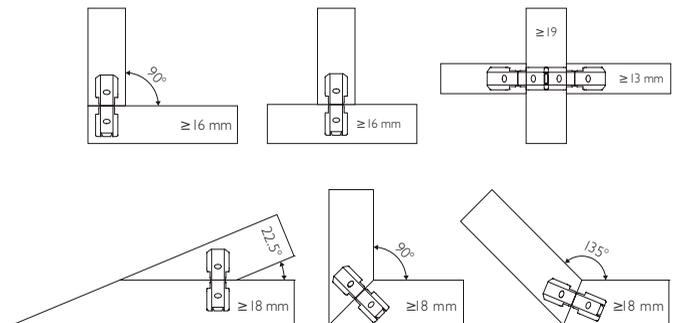
### Tenso P-14, Advantages and Properties

- High clamping force - usage as glueing aid (no screw clamp or press needed)
- Completely invisible - perfectly aesthetic
- Installation without tools - reliable process (simple + fast, no screws or glue necessary)



### Tenso P-14 with Preload Clip, Advantages and Properties

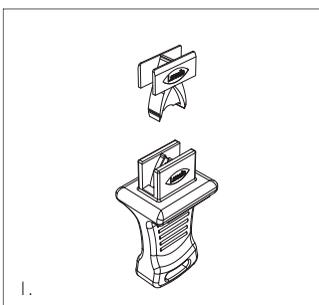
- Versatile - simple glueing of mitre joints
- Lower assembly force - only a short power impulse necessary to join
- Effortless joining regardless of the number of connectors



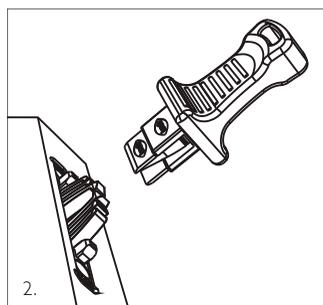
### Preload clip Part No.

Carton with 300 pieces

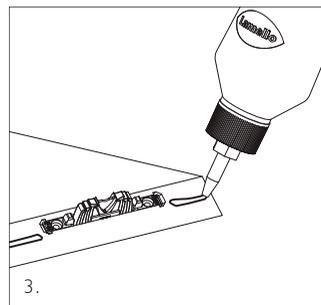
LAM I 45426



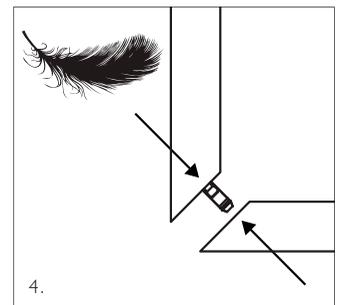
1. Insert preload clip into installation tool



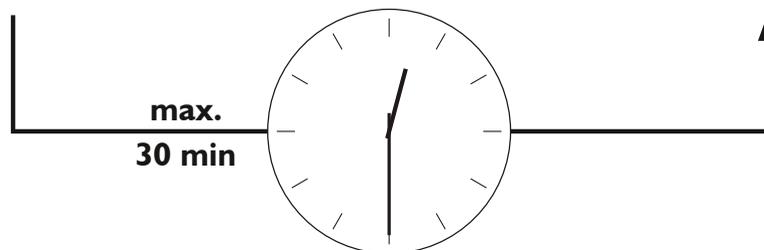
2. Preload the Tenso P-14



3. Apply glue



4. Assemble Work pieces



## Tenso P-14 - Applications

### FURNITURE MANUFACTURING / INTERIOR FITTING

#### Your Advantages with Tenso P-14

##### Fast Glueing process

- Time saving without clamps and protectors
- Ship workpieces immediately after assembly, no waiting time for the glue to dry

##### Clamps the Joint from the Inside

- Clamping force perfectly perpendicular to the glue surface
- Glueing of shaped workpieces
- Simultaneously aligns and clamps



- |  |                      |  |                   |
|--|----------------------|--|-------------------|
|  | Glueing              |  | Fast installation |
|  | Invisible            |  | Strong            |
|  | High clamping force  |  | Lateral tolerance |
|  | Versatile            |  | Shallow cutting   |
|  | Lower assembly force |  | No twisting       |



#### Applications

furniture | shelves | stools | sideboards | wardrobes | separating walls | cladding | decorative strips | covering panels | plinths | face frames etc.

#### Production Process

##### 1. Cutting the Groove with Zeta P2

- Quick, easy and precise work with the Lamello system

##### 2. Temporary Storage

- Small volume due to stackability with pre-installed fittings
- Remove fittings without tools for the surface treatment

##### 3. Assembly in the Factory

- Quick and efficient glueing
- No additional clamping device necessary
- No pressure marks and damage due to protectors or clamps on the work piece
- Excess glue is removed with ease right after assembly
- Furniture is automatically in the correct angle
- No additional person helping with applying the clamps

##### 4. Delivery: Product already Assembled

- Short assembly time on site with pre-assembled elements / furniture parts



## Shop fitting

### YOUR ADVANTAGES WITH TENSO P-14



#### Stackable with Pre-installed Fittings

-Advantages in packaging, transport and logistics

#### Short Assembly Time on Site

-Quick and easy glueing without additional aids

-Minimal installation cost

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Glueing             | <input checked="" type="checkbox"/> Fast installation                    |
| <input checked="" type="checkbox"/> Invisible           | <input checked="" type="checkbox"/> Strong and form-locking              |
| <input checked="" type="checkbox"/> High clamping force | <input checked="" type="checkbox"/> Lateral tolerance in P-System groove |
| <input checked="" type="checkbox"/> Stackable           | <input checked="" type="checkbox"/> Shallow cutting depth                |
| <input checked="" type="checkbox"/> Flexible            | <input checked="" type="checkbox"/> No twisting                          |

#### Applications

Furniture | shelves | stools | sideboards | wardrobes | show cases | sales counters | separating walls | cladding | face frames etc.

#### Production Process

##### 1. Cutting the groove with CNC

- Same profile groove for both workpieces
- Direct data transfer from CAD CAM

##### 2. Temporary Storage

- Small volume with pre-installed fittings due to stackability
- Remove fittings without tools for the surface treatment

##### 3. Delivery: Products in Parts

- Small transport volume (flat pack)
- Easier transport of the workpieces to the job site
- Reduced amount of assembly aids without the need of clamps and protectors

##### 4. Assembly on Site

- Quick and efficient assembly on site
- No waiting time before the clamps are removed
- No transporting clamps and protectors to and from the job site
- Customer friendly, quick and clean installation



## Divario P-18

### SELF-CLAMPING, INVISIBLE FITTING FOR SLIDE INSERTION

#### Advantages and Properties

- Completely invisible joint for highest quality standards
- Joins and clamps during insertion for perfectly closed joints
- Efficient machining and installation with a CNC or Zeta based on the P-System
- Narrow element for the use in shelves from 19mm
- No resistance while inserting until shortly before building the clamping force
- Insertion of shelves after transport for lower transport weight



#### Technical Data

Half for P-System groove	65 x 16 x 9.7mm
Half for drill holes	Ø 8 x 9mm, distance 32mm
Cutter	Ø 100.4 x 7 x 22
Material of connector	fibreglass reinforced plastic
Installation tolerance	longitudinal ± 1mm

#### Load per Fitting (N)

	19mm	22mm	25mm	30mm
Particle board	500	600	700	1000
MDF	600	700	800	1000
Spruce	800	900	1300	1400
Beech	1700	2000	2000	2000

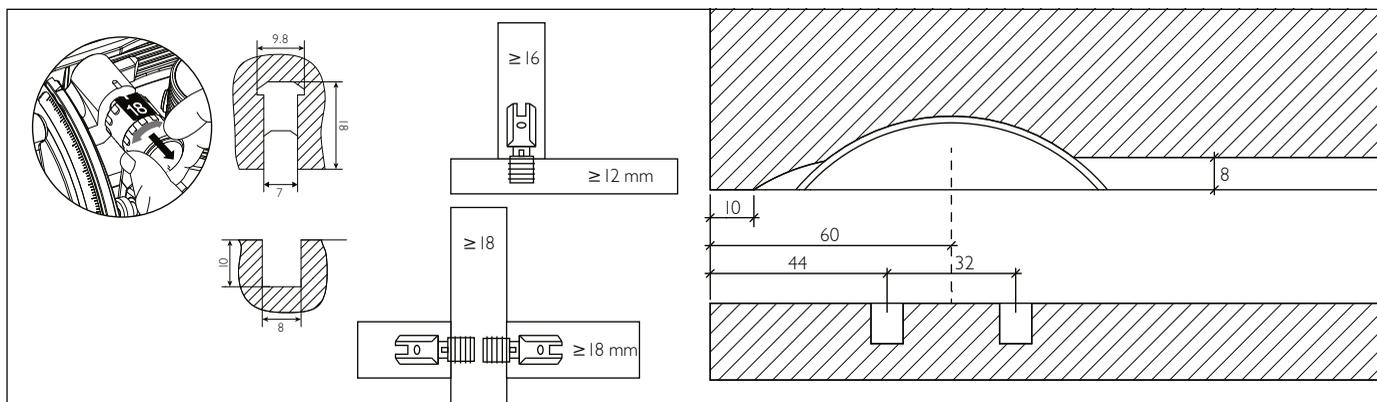
#### Tensile Strength (N)

All materials	600
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#### Divario P-18

#### Part No

<b>*Carton with 80 pairs</b>	<b>LAMI45550</b>
Carton with 300 pairs	LAMI45560
Carton with 1000 pairs	LAMI45570
Divario P-18 Installation tool	LAMI25500
(To insert the fittings and drive the positioning pins into the wood)	
<b>*Most Popular</b>	



## Furniture Manufacturing / Interior Fitting

### YOUR ADVANTAGES WITH THE DIVARIO P-18

#### Efficient Installation

- Fitting to insert by hand or install by hammer
- Fixing pins to drive into the wood for efficient installation
- Drilling into the surface possible with a CNC machine without angle aggregates(e.g nesting machines)
- Possible in the factory or on site with a CNC or a Zeta P2

#### Clamped Joints

- Joint with high tensile strength
- Reinforcing tall cupboards with fixed shelves
- Perfect look with closed joints
- No clamps or presses necessary

#### Sliding Insertion in a Second Process

- The outer cabinet can be joined in a first process
- Transport of the empty cabinet to save weight
- Assembly of the complete furniture piece on site possible (flat pack)
- Insertion of the shelves without glue or clamping aids
- Detachable for transport



- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Sliding insertion   | <input checked="" type="checkbox"/> Fast installation |
| <input checked="" type="checkbox"/> Invisible           | <input checked="" type="checkbox"/> Strong            |
| <input checked="" type="checkbox"/> Clamped joint       | <input checked="" type="checkbox"/> Lateral tolerance |
| <input checked="" type="checkbox"/> Fast installation   | <input checked="" type="checkbox"/> Shallow cutting   |
| <input checked="" type="checkbox"/> Assemble by sliding | <input checked="" type="checkbox"/> No twisting       |

#### Applications

Cabinets, shelves, open room dividers, wine racks, side boards, cupboards, separating walls, showcases, hanging elements etc.

## Zeta P2

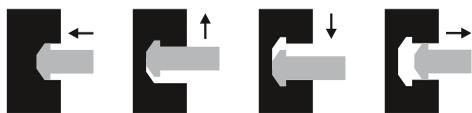
**THE FASTEST JOINING METHOD WITH A POWER TOOL  
ANY CORNER IN LESS THAN 2 MINUTES!**

0:30	1:05	1:35	1:45
<p>Cut four P-System grooves with the Lamello Zeta P2 . Fast and precise by applying on the workpiece edge</p>	<p>Drill two openings with the drill jig Use the drill jig for all angles from 22.5-180°</p>	<p>Slide the clamex P connectors into the P-System groove by hand without tools!</p>	<p>Close with an allen key-Finished!</p>

### P-System Groove Function

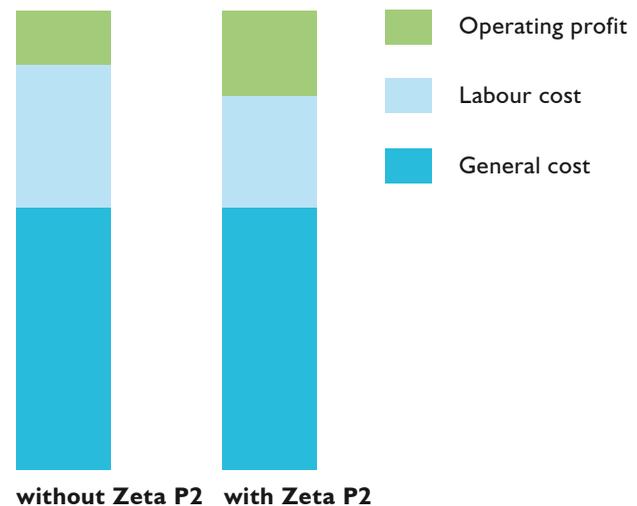
The Vertical Mechanical Drive (VMD) is the core of the Zeta P2

During the machining process the blade cuts a straight groove with a preset depth. Then follows an automatic movement up and down of the blade, creating the P-System groove. This P-System groove function is low-wear, automatic and reliable.



### Time Saving with Every Groove

Improve your profit by lowering your labour cost!



### P-System Depth Adjuster

Rotating depth adjuster for 5 P-System depths

- Depth 18 for Divario P-18
- Depth 14 for Tenso P-14, Clamex P-14 and Clamex P Medius (larger side), Bisco P-14
- Depth 10 for Clamex P-10 and Clamex P Medius (smaller side), Bisco P-10
- Depth «off» for groove millings without profile groove =for standard biscuit joiner

**Possibility to switch of the P-System function**

Insert a 4mm groove cutter into the Zeta P2 to use the joining elements of the Lamello system as well as further applications as cutting panel grooves and expansion gaps.

## Zeta P2

**THE FASTEST JOINING METHOD WITH A POWER TOOL  
ANY CORNER IN LESS THAN 2 MINUTES!**

### Fast, Easy and Precise

Work with the well-known Lamello working principle

#### Lateral tolerance in the connector

- Allows for easy positioning of the machine on the workpiece edge or to the pencil mark
- No side stops or positioning aids necessary

#### Same processing on both workpieces

- No depth adjusting saves times and lower risk of errors

#### Fast connector installation saves time

- Innovative P-System groove method saves time and eliminates the need for fastening material like screws or glue



### Advantages in the Production Process

#### 1. P-Groove with Zeta P2

- Corner joint with 2 connectors in under 2 minutes
- Short setup time
- No side stops necessary, line up to the work piece edge or to the pencil mark

#### 2. Storage

- Small storage volume due to stacking despite installed connector
- Take out the connector for surface treatment - fast and easy

#### 3. Delivery in parts

- Smaller transport volume without damaging the work pieces
- Easy transport of the parts into the building (stairs, elevator)

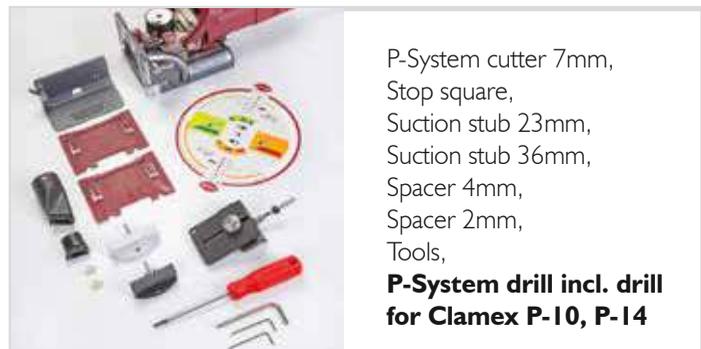
#### 4. Assembly on Site

- Fast and efficient assembly with an allen key
- No waiting time after clamping the glue joint

#### Technical Data

Power	800W
Version	230V
Speed	9'000 min <sup>-1</sup>
Cutter	P-System cutter 100.4 x 7 x 22mm
Teeth	Z3
Cutting depth max	20mm
Weight	3.7kg

#### Kit Contains



P-System cutter 7mm,  
Stop square,  
Suction stub 23mm,  
Suction stub 36mm,  
Spacer 4mm,  
Spacer 2mm,  
Tools,

**P-System drill incl. drill  
for Clamex P-10, P-14**

#### Zeta P2-Set

- With Carbide tipped profile groove cutter in Systainer
- With diamond tipped profile groove cutter in Systainer

#### Part No

- LAM101402S
- LAM101402DS

#### Kit Contains

- Zeta P2 with 1050W motor
- P-system cutter 7 mm
- Stop square
- Suction Stub 23 + 36mm
- Disc for angles
- Spacer 2 + 4mm
- Tools
- P-System drill jig incl. drill

## Clamex P Accessories



### P-System Groove Cutter for Zeta P2 Part No

Ø 100.4 x 7 x 22mm, Z3, diamond dipped	LAM132140
Ø 100.4 x 7 x 22mm, Z6, diamond dipped	LAM132146
Ø 100.9 x 7 x 22mm, Z3, carbide tipped	LAM132141



### P-System Drill Jig Part No

P-System drill jig incl drill, from 22.5° for all Clamex P fittings (P-10, P-14, P Medius 14/10)	LAM125344
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### P-System Drill Jig Long Part No

Drill jig for thick work pieces 100mm, (P-14, P Medius 14/10)	LAM125345
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### Drill Part No

Spiral drill Ø 6mm with centering point	LAM131506
---	-----------



### Clamex P Assembly Tool Part No

For all angles, fast and flexible Hex 4 x 30mm, length 290mm	LAM251993
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### Cover Caps, 100 pieces

90°	Part No	Part No
RAL 9010, White	LAM335280	RAL 9002, Grey white  LAM335285
RAL 9011, Black	LAM335281	RAL 7035, Light grey  LAM335286
RAL 1014, Ivory	LAM335282	RAL 7031, Blue grey  LAM335288
RAL 1011, Brown beige	LAM335283	
RAL 8007, Brown	LAM335284	



45°	Part No	Part No
RAL 9010, White	LAM335280	RAL 1011, Brown beige  LAM335283
RAL 9011, Black	LAM335281	RAL 8007, Brown  LAM335284
RAL 1014, Ivory	LAM335282	RAL 7022, Umbra grey  LAM335388



## Clamex P Accessories



### Divario P-18 Installation Tool

### Part No

Divario P-18 Installation tool for fixing the Divario in the workiece

LAMI25500



### Divario P-18 Marking Jig in Metal with Marking Points

### Part No

Marking jig incl. drill with centering point and rotating depth collar for the precise drilling of Divario drill holes by hand

LAMI25510

### Divario P-18 Marking jig in Plastic, to mark with a pencil

### Part No

Marking jig to mark the Divario holes with a pencil

LAMI25511



### Divario P-18 Positioning Pins

LAMI45546

For furniture without backs as a stop when inserting the work piece

### Divario P-18 Installation tool for Positioning Pins

### Part No

Installation tool for the insertion of the positioning pins

LAMI25520



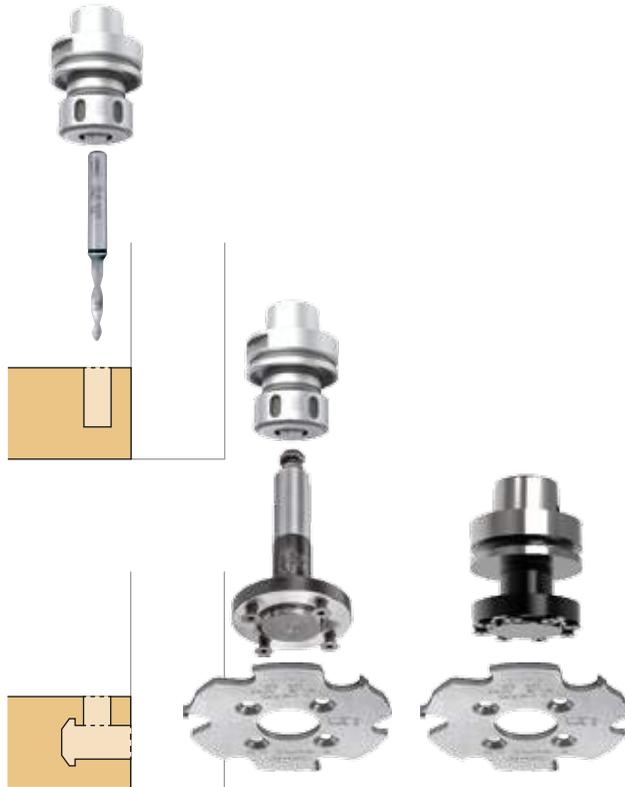
### Tenso P-14 Preload tool

LAMI45430

Tool to pre-load the Tenso P-14

## CNC Machines

### NECESSARY SETUP FOR P-SYSTEM GROOVES



#### 1. CNC Machine

-Machine with 3 / 4 / 5 axes+angle aggregate

#### 2. CNC Software

-Software / macro / component from the manufacturer or  
-Program the macro / component yourself

#### 3. Suitable Angle Aggregate

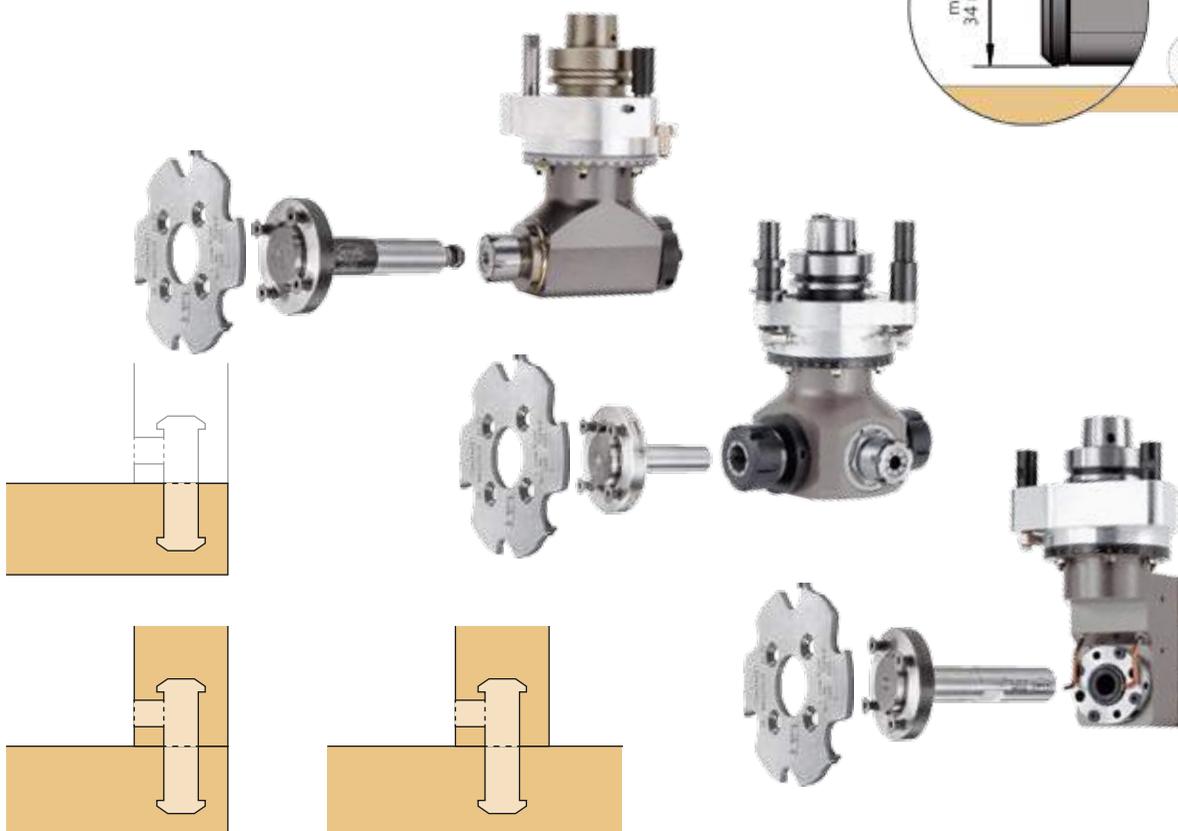
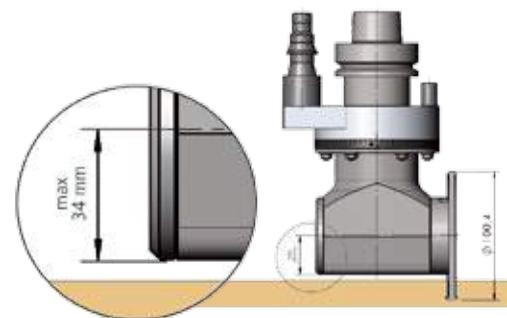
-Aggregate sub program

The angle aggregate also enables the P-System groove to be cut in the centre of the surface

An overview of other aggregates is available on our website:  
[www.lamello.com](http://www.lamello.com)

Attention: Get the approval to use the P-System cutter on the aggregate from the CNC manufacturer

#### 4. P-System Cutting Tool



## CNC Tools

### P-SYSTEM CNC DRILL BIT



P-System CNC Drill Bit	Part No
6mm, solid carbide, for mitres, L = 100 / 35mm, shaft = 10	LAM131556

### P-SYSTEM CNC GROOVE CUTTER



P-System CNC Groove Cutter, Ø 100.4 x 7	Part No
x 30mm, 4 / 6.6 / DTK 48mm, Z3	LAM132142
x 30mm, 4 / 6.6 / DTK 48mm, Z6	LAM132142
Suitable for all cutter arbors listed below	
x 40mm, 4 / 5.5 / DTK 52mm, Z3	LAM132143
E.g for angle aggregates, Flex 5, Flex 5+	
x 16mm, 4 / 5.5 / DTK 28mm, Z3	LAM132144
E.g for corner notching aggregate	

### P-SYSTEM CNC CUTTER ARBORS



P-System CNC Cutter Arbors 30 / DTK 48mm	Part No
Shaft Ø 20 x 50, L = 102mm	LAM132150
Shaft Ø 25 x 60, L = 102mm	LAM132151
Shaft Ø 16 x 50, L = 85mm	LAM132152
Shaft Ø 16 x 55, L = 68mm	LAM132153
Shaft Ø 16 x 50, L = 85mm, with clamping surface(2 -angle)	LAM132154
E.g for aggregate for door locks	
Shaft Ø 20 x 50, L = 85mm, with clamping surface(2 -angle)	LAM132155
E.g for aggregate for door locks	

### POSSIBLE COMBINATION OF CNC MACHINES AND ZETA P2

Positioning Pins for Zeta P2	Part No
Ø 5mm, 1 pairs	LAM251048
Ø 8mm, 1 pairs	LAM251066



Instead of using an angle aggregate, the Zeta P2 power tool can be used to cut the P-System groove in the centre of the surface. To do so, drill two 5mm positioning holes spaced at 101mm in the work piece surface using the CNC machine. These serve to position the Zeta P2 on the workpiece.

## Requirements for CNC Machines

- Either the macro and component software for the desired angle are provided or you have programmed these yourself
- Aggregate sub program is available

Machines	Axes	Equipment (Varies depending on machine and aggregate)		Surface 180°	Corner 90°	Centre wall 90°	Mitre 22.5° – 180°	
Portal3/4			-	1 x P-System cutter 1 x cutter arbor 1 x drill Ø 6 mm	●	●	●	●
				2 x P-System cutter (2) x cutter arbor 1 x drill Ø 6 mm	●	●	●	●
				1 x P-System cutter 1 x cutter arbor 1 x P-System drill Ø 6 mm	●	●	●	●
	4			1 x P-System cutter + adaptor 1 x P-System drill Ø 6 mm + adaptor	●	●	●	●
	5		-	1 x P-System cutter 1 x cutter arbor 1 x P-System drill Ø 6 mm	●	●	● ● ●	●
				2 x P-System cutter (2) x P-System cutter arbor 1 x P-System drill Ø 6 mm	●	●	●	●
Nesting	3/4	-	-	1 x drill Ø 5 mm 1 x drill Ø 6 mm	●	●	●	●
	5		-	1 x P-System cutter 1 x cutter arbor 1 x P-System drill Ø 6 mm	●	●	● ●	●

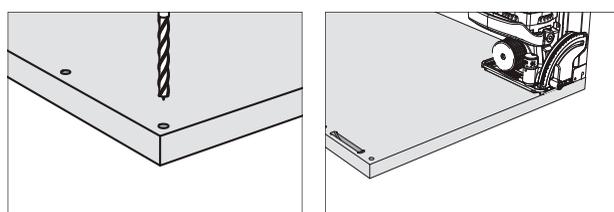
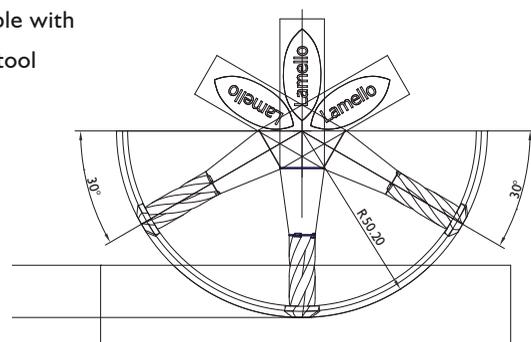
● Possible

● Only possible with Zeta P2 and positioning pins

● Possible with shaft tool

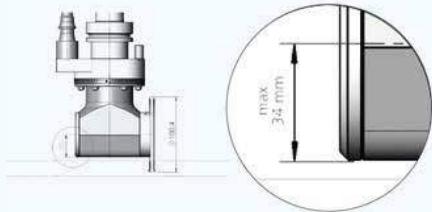
● Not possible

Tip: Instead of using an angle aggregate, the Zeta P2 power tool can be used to cut the P-System groove in the centre of the surface. To do so, drill two 5 mm positioning holes spaced at 101 mm in the work piece surface using the CNC machine. These are required to align the Zeta P2 on the work piece.



## Aggregates

### Angle aggregate



#### Possible angle aggregates

- One to four spindle angle aggregates
- Corner notching aggregate
- Aggregate for door locks

An aggregate overview can be found on the Lamello website: [www.lamello.com](http://www.lamello.com)

### Manually adjustable swivelling aggregates



**Information:** Several tool changes required for angle cuts, drilling and P-System grooves

surface may be restricted depending on the model

**Information:** The cutting depth in the centre of the

**Tip:** For mitres, spare yourself a tool change and drill the hole using a manual drill jig!

### Automatically adjustable swivelling aggregates (Flex 5+C, from manufacturing year 2015)



**Note:** Automatically adjustable swivelling aggregate with automatic tool changer. The profile groove is restricted to 10 mm in the centre of the surface

## Advantages in the Production Process

### 1. P-System Groove with CNC

- Same profile groove for both work pieces
- Short process time
- Less processing than for other connection methods
- Direct data transfer from CAD / CAM

### 2. Storage

- Small storage volume due to stacking despite installed connector
- Shorter reaction time for the continuation of the next process

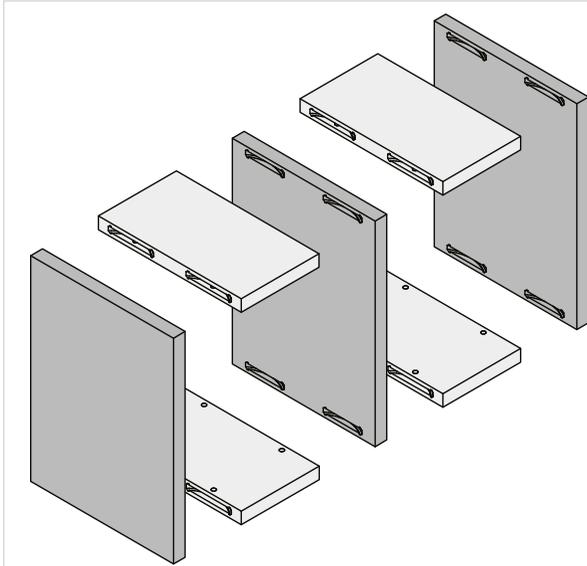
### 3. Delivery: In parts

- Smaller transport volume without damaging the parts
- Easy transport of the parts into the building (stairs, elevator)

### 4. Assembly on Site

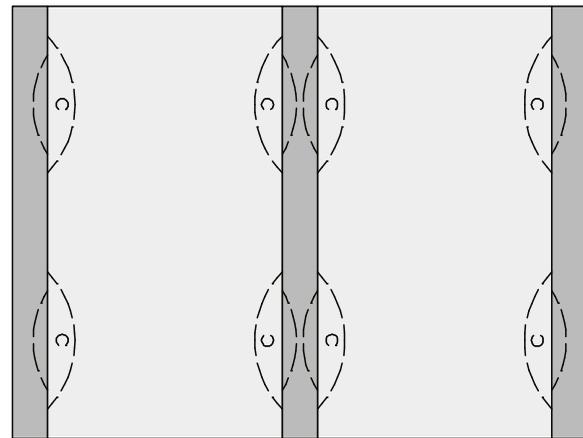
1. Easy assembly by customer possible
  2. Assembly by sales personnel or tradesman
- Shorter assembly time on site

## Ideas for standardising the machining on a CNC machine

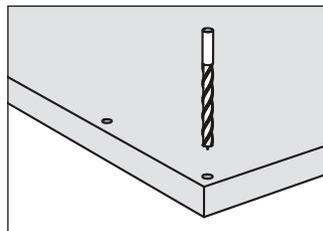


**Depth 14mm for all p-System grooves in the edge**

**Depth 10mm for all P-System grooves in the surface**



<b>Clamex P-14, Element with the Lever</b>	<b>Part No</b>
Box with 2'000 pcs	LAMI45338
<b>Clamex P-10, Element without Lever</b>	<b>Part No</b>
Box with 2'000 pcs	LAMI45358
<b>Clamex P-10, element medius</b>	<b>Part No</b>
Box with 2'000 pcs	LAMI45369



Combining strengths: Precise drilling on a CNC machine; use these drill holes to position the Zeta P2 to cut the P-System grooves.

This application is especially ideal for nesting machines, when the cost for an additional aggregate cant be justified or the machine cannot be upgraded anymore

This method combines the precision and efficiency of a CNC machine and uses the simple and fast machining of a P-System groove with a Zeta P2



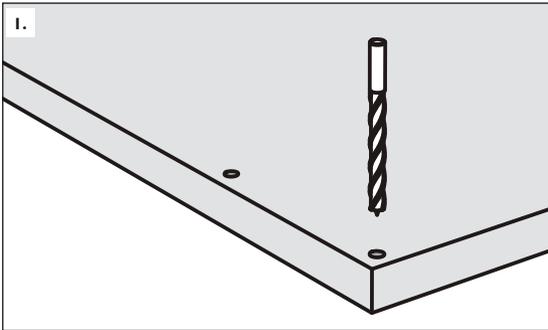
<b>Positioning Pin Zeta P2</b>	<b>Part No</b>
ø 5 mm	LAM251048
ø 8 mm	LAM251066

<b>Advantages and Properties</b>
– Save time and money!
– Short setup time with a Zeta P2
– No specific angle aggregates
– Precise positioning for center panels

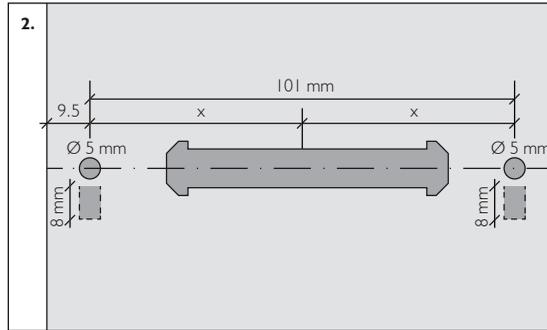


<b>Positioning Clip for Zeta P2</b>	<b>Part No</b>
ø 6 mm	LAM251067
For positioning in the Clamex access hole (6mm)	

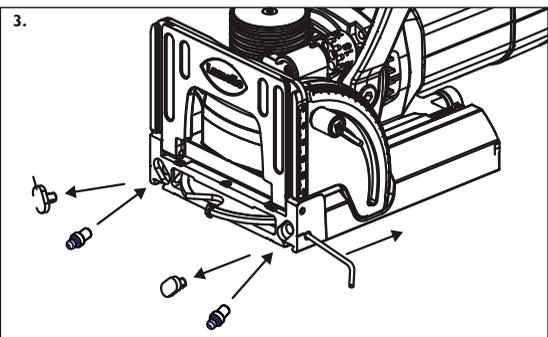
## Cutting the Groove in the Surface



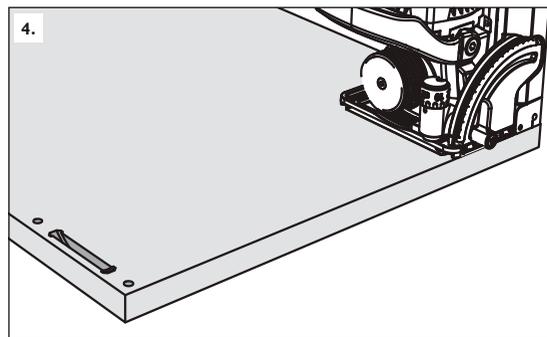
1. Drill the positioning holes with the CNC,  $\varnothing 5 \text{ mm} / \varnothing 8 \text{ mm}$



2. Hole pattern of the positioning drill holes

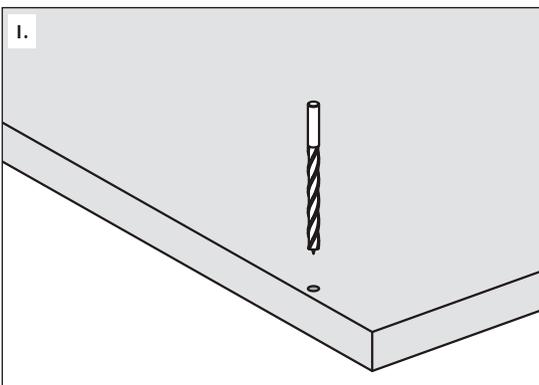


3. Insert the positioning pins in the Zeta P2

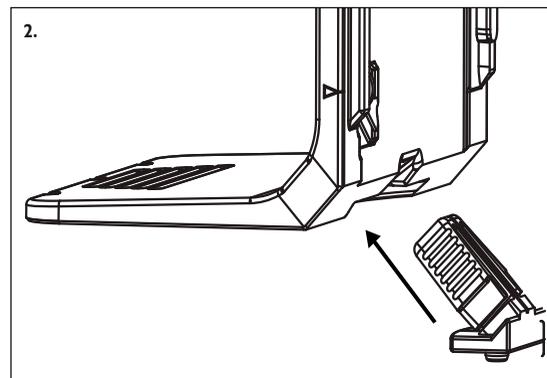


4. Position the machine in the drill holes

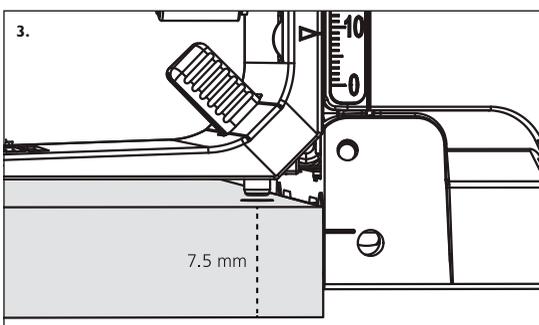
## Cutting the Groove in the Edge



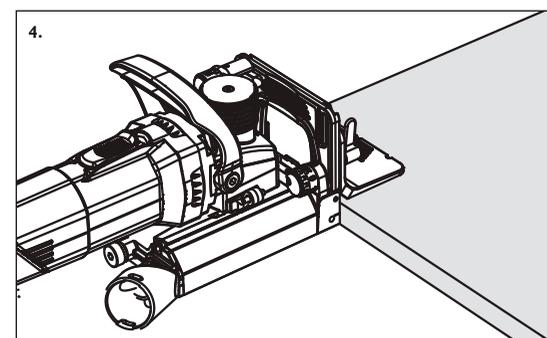
1. Drill the positioning hole with the CNC,  $\varnothing 6 \text{ mm}$



2. Insert the positioning clip



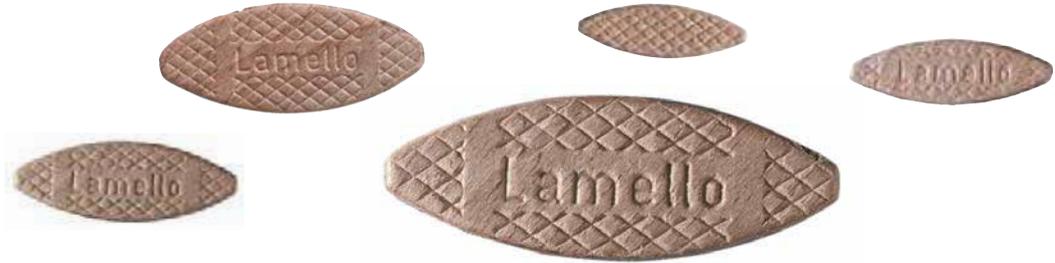
3. Insert the positioning clip in the drill hole  $\varnothing 6 \text{ mm}$



4. Cut the groove with the positioned machine

## The Original Wooden Biscuit

### THE ORIGINAL SWISS PRODUCTION SWISS TIMBER LAMELLO QUALITY



### ADVANTAGES AND PROPERTIES

**1) Rounded Smooth Edges**

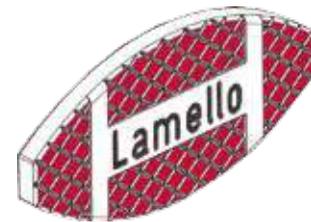
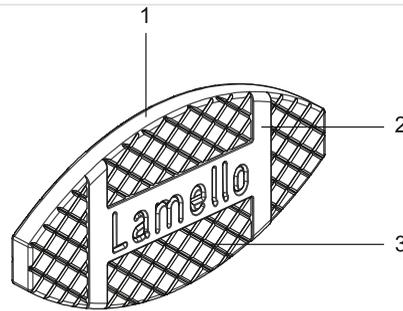
– easy handling and insertion

**2) Recessed and Embossed Glue Surface**

– accurate glue distribution  
– easy insertion into groove

**3) Diagonal Fiber Orientation**

– excellent breaking strength



#### Wood Biscuits

CARTON	SIZE	QUANTITY	PART NO
<b>* Size20</b>	<b>56 x 23 x 4mm</b>	<b>1 000 pieces</b>	<b>LAMI44020</b>
Size I0	53 x 19 x 4mm	1 000 pieces	LAMI44010
Size 0	47 x 15 x 4mm	1 000 pieces	LAMI44000
Size S6	85 x 30 x 4mm	1 000 pieces	LAMI44006
Size H9	38 x 12 x 3mm	1 000 pieces	LAMI44009

#### Wood Biscuits

BLISTER	SIZE	QUANTITY	ART NO
<b>* Size20</b>	<b>56 x 23 x 4mm</b>	<b>80 pieces</b>	<b>LAMI44520</b>
Size I0	53 x 19 x 4mm	80 pieces	LAMI44510
Size 0	47 x 15 x 4mm	80 pieces	LAMI44500
Size S6	85 x 30 x 4mm	40 pieces	LAMI44506
Size H9	38 x 12 x 3mm	250 pieces	LAMI44509

Installation of wooden biscuits with cutter Ø 100 x 4 x 22mm (standard cutter)  
Installation of H9 wooden biscuits with cutter Ø 78 x 3 x 22mm (Art No I32009)

**\*Most Popular**

## CLASSIC X

The original biscuit joiner for every workshop. Choose Lamello for precision, reliability, longevity and many other benefits



### Advantages and Properties

- Powerful 780 W, ergonomic slim shape
- Base plate is flush on both sides for efficient positioning of the machine on the work piece
- High-precision machined guide and application surfaces for perfect fit of the work pieces
- Multifunctional stop square
- Versatile use, with the possibility for 19 more applications
- Swivelling front stop 0 – 90° catching at 22.5°, 45°, 67.5°, 90°
- Rotating depth adjuster with 6 standard depths

### Technical Data

Power	780 W
Voltage	230 V oder 120 V
Speed	10'000 min <sup>-1</sup>
Cutter	Carbide tipped cutter Ø 100 x 4 x 22
Teeth	Z6 (3+3) with reversing teeth
Cutting depth max	20 mm
Weight	3.1 kg

Classic X	Part No
In Systainer	LAMI01600K

### Kit Contains

- |                         |                |
|-------------------------|----------------|
| Classic X with:         | – stop square  |
| – carbide tipped cutter | – spacer 4 mm  |
| – suction stub 36 mm    | – set of tools |



## E20

### THE SELF-CLAMPING ELEMENT

#### Advantages and Properties

- Connects and clamps with one strike. The curved ridges clamp the connection together during insertion.
- Cut groove in both work pieces simultaneously
- No clamps – no waiting time
- Easy joining with a Lamello biscuit joiner

#### Applications of E20

- Door frames
- Furniture plinths
- Elongating of panels and profiles
- Ideal on site

#### Technical Data

Size E20-L	56 x 11.5 x 4 mm
Size E20-H	23 x 28 x 4 mm
Cutter	Ø 100 x 4 x 22
Material	Fibreglass reinforced plastic

E20	Quantity	Part No
E20-L / E20-H	40 pieces per type	145020



E20-H



E20-L



Inserting E20-L



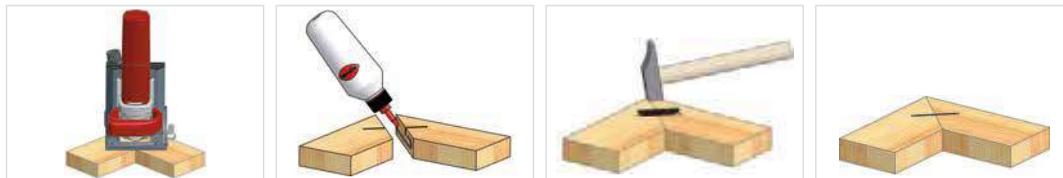
Inserting E20-H



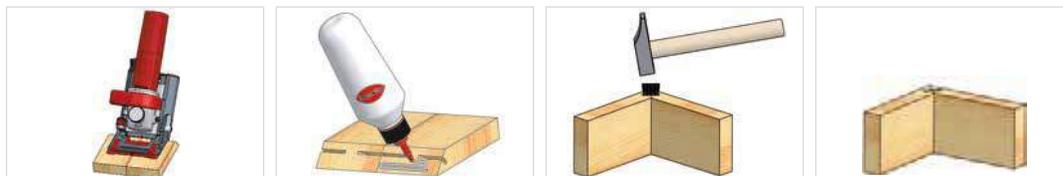
Inserting E20-L

#### How it Works

**Fixo E20-L** – Fixo installation with cutter Ø 100 x 4 x 22mm (standard cutter).



**Fixo E20-H** – Fixo installation with cutter Ø 100 x 4 x 22mm (standard cutter).





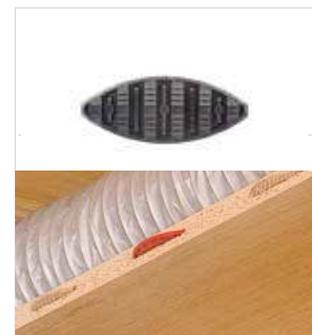
## K20

Clamping element

### Advantages and Features

- Clamping aid for work pieces which are difficult to clamp, e.g. screens, crown moulding etc
- Use in combination with wooden Lamello biscuits
- Made of plastic, barbed cross ribs for grip

Cutter	Size (mm)	Quantity	Art.No.
Ø 100 x 4 x 22	60 x 24 x 4.5	80 pieces	LAMI45001
		250 pieces	LAMI45000



## C20/C10

Solid surface element

### Advantages and Features

For joining solid surface materials such as Corian®, Varicor® etc. Made of translucent plastic

Cutter	Size (mm)	Quantity	Art.No.
Ø 100 x 4 x 22	60 x 23 x 4	250 pieces	LAMI45010



## SIMPLEX – INTERLOCKING SLIDE-IN BISCUIT

### Advantages and Features

- Detachable, two parts joining element for ceiling panels, screens, shelves and general casegoods.
- Install with insertion tool and two-part epoxy adhesive.
- Made of aluminum.

### DESCRIPTION

DESCRIPTION	UNIT	PART NO.
Simplex Detachable Joining Element 54 x 23 x 4.1mm	Box 100	LAM166100
	Box 50	LAM166101
Simplex Inserting Tool		LAM166110



### AN EXCEPTIONALLY EFFICIENT, SIMPLE AND PRECISE JOINING SYSTEM FOR PANELS



1. Cut grooves



2. Apply glue



3. Insert biscuits

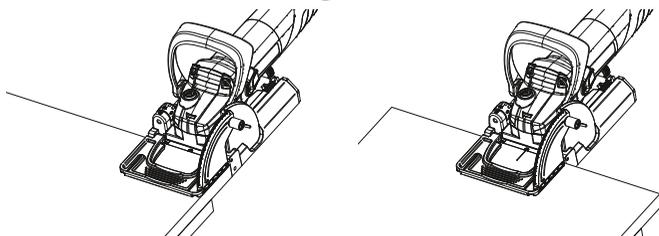


4. Clamp work piece

The precise work results of the system and the long life of the power tools pay off

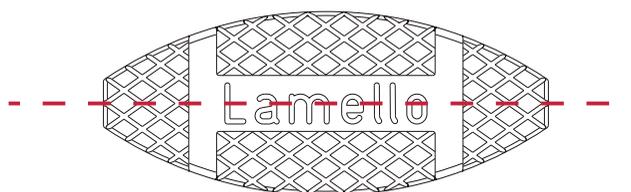
### ADVANTAGES AND PROPERTIES

#### Fast – Lateral sliding tolerance



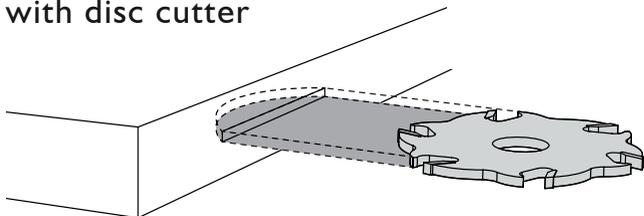
- Easy positioning of the machine to the pencil mark
- No additional side stops or positioning aids necessary
- Great flexibility when assembling, possibility to join panels by sliding together from different angles – not just perpendicular unlike dowels (see large picture left)

#### Easy – Same groove depth for both sides



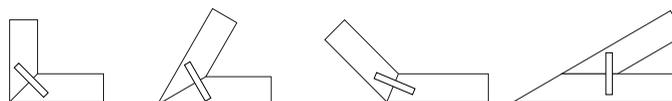
- No changing of the cutting depth means less room for error
- Saves time with every joint

#### Precise – Established cutting principle with disc cutter



- Disc-shaped tools cannot bend or flex
- Always parallel, precise grooves despite wood knots
- No tool change for 13 different jointing elements
- Low maintenance cost throughout the long life of the power tool, maintenance comprises one cutting tool only

#### Versatile – Thin flat joining element with minimal installation depth



- Join thin work pieces 8 or 10mm in many various angles
- Minimal material weakening
- Non-rotating, cost effective joining elements

## Glueing

**MINICOL / SERVICOL**  
The all purpose glue applicator

### Advantages and Properties

- For 4mm grooves
- Nozzle facing downwards in the stand for quick use
- Bottle base prevents the glue from drying up in the nozzle
- Volumetric capacity:300ml
- Glue application on the sides



Servicol: glue applicator with a simple base



Minicol: Glue applicator with a sturdy bottle base in solid wood

### Dosicol

The efficient glue applicator with metering pump

### Advantages and Properties

- One stroke glue application
- The volume is easily adjusted by the metering ring
- Accurate dispensing, optimal for biscuit and dowel joints
- Available in 3 different models
- Volumetric capacity: 450ml (4.5dl)



### Clamping Set

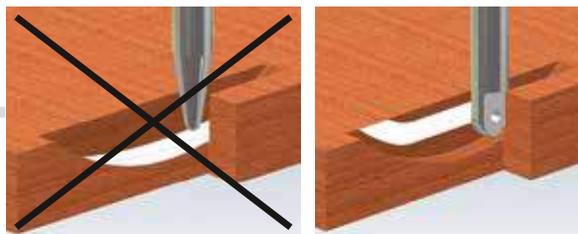
### Advantages and Properties

- Easy clamping system for glueing casework, drawers, frames, wall and floor panels
- Even pressure distribution guarantees correct angle of workpiece



### Parts

Parts	Quantity	Part No
Clamps	2 pieces	5m clamping belt
		8m clamping belt
Buckle for clamps	1 piece	without belt
Polpester belt for clamps	1 Roll	of 50m
	Per meter	m <sup>l</sup>
Tension Hooks	2 pieces	LAMI 75200
Profile Sections	4 pieces	length 12cm
		length 40cm
		length 60cm



Glue application on the sides

### Glue Applicator Minicol

Part No	with plastic nozzle	with metal nozzle
LAMI 75500	Minicol Mod. KS	Minicol Mod. KS
LAMI 75550	Minicol Mod. KS	Minicol Mod. KS

### Glue Applicator Servicol

Part No	with plastic nozzle	with metal nozzle	with pointed nozzle
LAMI 75560	Minicol Mod. KS	Minicol Mod. M	Minicol Mod. X
LAMI 75570	Minicol Mod. KS	Minicol Mod. M	Minicol Mod. X
LAMI 75580	Minicol Mod. KS	Minicol Mod. M	Minicol Mod. X



### Nozzles for Minicol and Servicol

Part No	Plastic nozzle	Metal nozzle	Pointed nozzle	Metal nozzle for biscuit size H9
LAMI 335511	Plastic nozzle	Metal nozzle	Pointed nozzle	Metal nozzle for biscuit size H9
LAMI 335512	Plastic nozzle	Metal nozzle	Pointed nozzle	Metal nozzle for biscuit size H9
LAMI 335522	Plastic nozzle	Metal nozzle	Pointed nozzle	Metal nozzle for biscuit size H9
LAMI 285509	Plastic nozzle	Metal nozzle	Pointed nozzle	Metal nozzle for biscuit size H9

### Glue Applicator Dosicol

Part No	Size	Mod 20, for lamello grooves	Mod 2 for Minispot	Mod D, for dowel holes
LAMI 77000	20 & 10	Mod 20, for lamello grooves	Mod 2 for Minispot	Mod D, for dowel holes
LAMI 77002	2 & 22	Mod 20, for lamello grooves	Mod 2 for Minispot	Mod D, for dowel holes
LAMI 77000	Ø 8, 10, 12mm	Mod 20, for lamello grooves	Mod 2 for Minispot	Mod D, for dowel holes

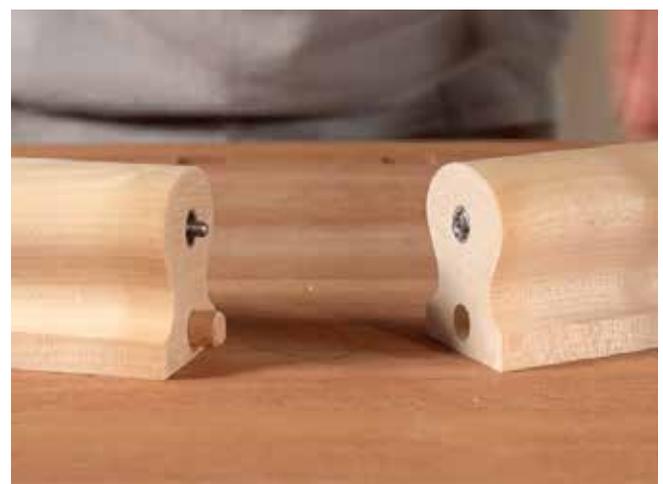
### Nozzles for Dosicol

Part No	Size	For Lamello grooves	For Minispot recesses	For dowel holes
LAMI 287020	20 & 10	For Lamello grooves	For Minispot recesses	For dowel holes
LAMI 287022	2 & 22	For Lamello grooves	For Minispot recesses	For dowel holes
LAMI 287024	4	For Lamello grooves	For Minispot recesses	For dowel holes
LAMI 287027	Ø 8, 10, 12mm	For Lamello grooves	For Minispot recesses	For dowel holes

### Clamping Set

Part No	20cm	60cm
LAMI 75021	one piece of clamps	2 piece of clamps
	8m Belt	2 pieces 8m Belt
	4 pieces profile sections 20 cm	4 pieces profile sections 60 cm
		2 pieces tension hooks

## Joining with the **Invis Mx2 System**



## INVIS MX2 SYSTEM

Magnet-driven connections with an even higher Clamping force!  
**Invisible as if glued, versatile as if screwed!**

**60% higher clamping force**

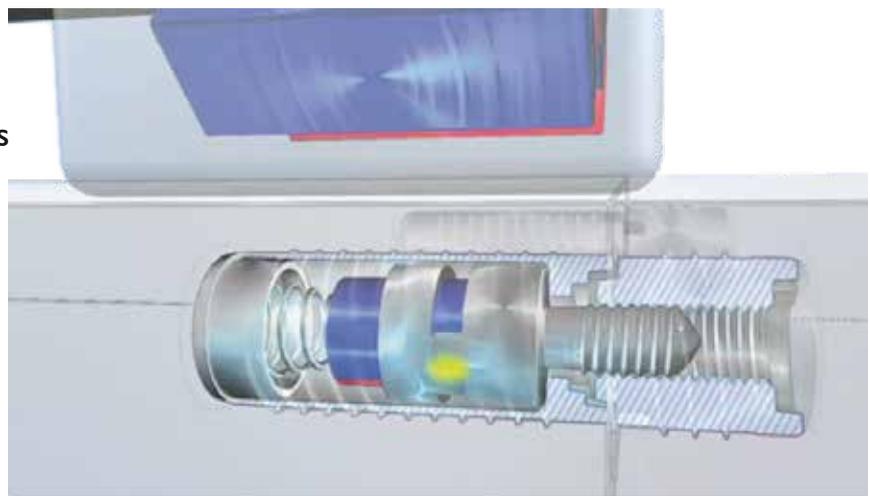


**250 kg** clamping force per connector  
 Even more applications

### Unique Features

- Powerful mechanical connections
- Detachable within seconds
- Completely invisible
- No openings
- No protective caps
- No filler

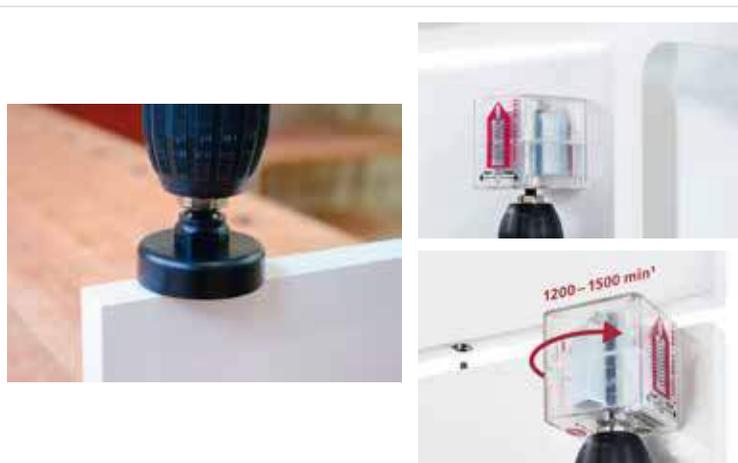
**A perfect look!**



The MiniMag Mx2 drive opens or closes the connection  
 The speed of the cordless drill must be 1200-1500 rpm

## INVIS MX2

The unique invisible connection for highest demands on aesthetics, stability and productivity



### Fast and Easy Installation **SAVE TIME!**

1. Screw the connector into the pre-drilled hole
2. Screw in the stud vertically using the insertion jig
3. Join and clamp the connection using MiniMag Mx2
4. If desired, open the connection by reversing the rotation of the cordless drill



Invis Mx2 Starter Kit



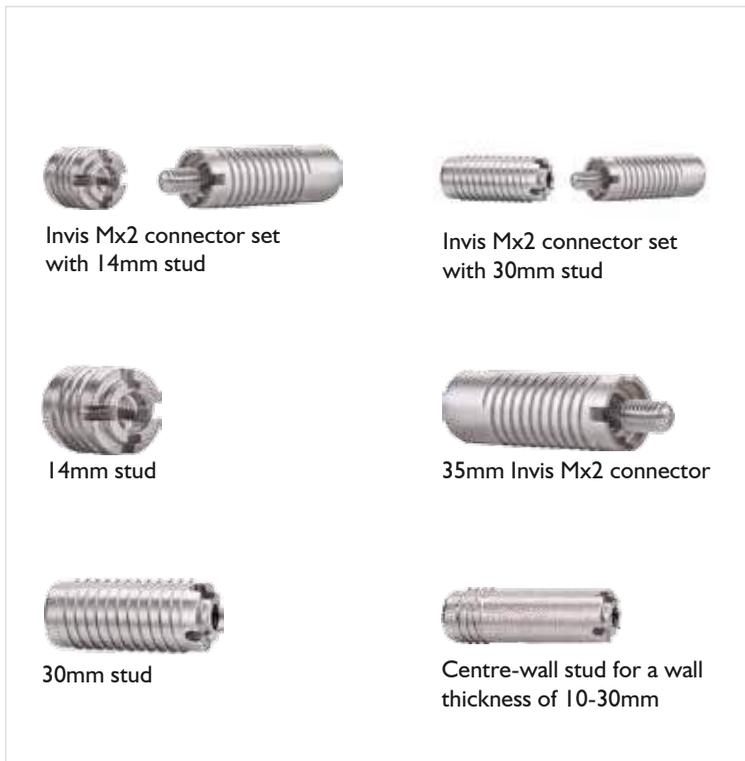
MiniMag Mx2 Kit

### Kits **Part No** **Invis Mx2 Starter Kit (In Systainer) LAM6100300**

- MiniMag Mx2
- 20 Invis Mx2 connector sets with 14 mm stud
- Rasto drill jig with 12 mm drill bit, depth adjuster, bushing
- Screw bit
- Flexible shaft
- Insertion jig

### **MiniMag Mx2 Kit LAM6100301**

MiniMag Mx2, screw bit



Invis Mx2 connector set with 14mm stud

Invis Mx2 connector set with 30mm stud

14mm stud

35mm Invis Mx2 connector

30mm stud

Centre-wall stud for a wall thickness of 10-30mm

Invis Mx2 Connector Set	Quantity	Part No
with 14 mm stud	20 pieces	LAM6012300
with 30 mm stud	20 pieces	LAM6012301
with 14mm stud incl. insertion jig	20 pieces	LAM6012333
35 mm Invis Mx2 connector	20 pieces	LAM6012317
14 mm stud	20 pieces	LAM6012312
30 mm stud	20 pieces	LAM6012309
Centre-wall stud for 10-30 mm thickness	10 pieces	LAM6012208
Screw bit	1 piece	LAM6112205
Flexible shaft for MiniMagMx2	1 piece	LAM6100204
Invis Mx2 insertion jig for studs 14mm	1 piece	LAM6112333

## Invis Mx2

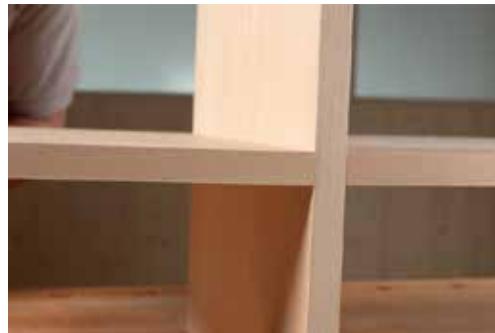
### CLAMP

- Clamp high-gloss painted furniture without causing damage
- Easily connect and clamp mould parts
- Remove stairs and handrails in the workshop and connect them quickly on-site



### INVISIBLE

- Install wall elements without any visible fasteners
- Connect and plaster substructures without needing to fill holes
- Join separation walls without screw clamps



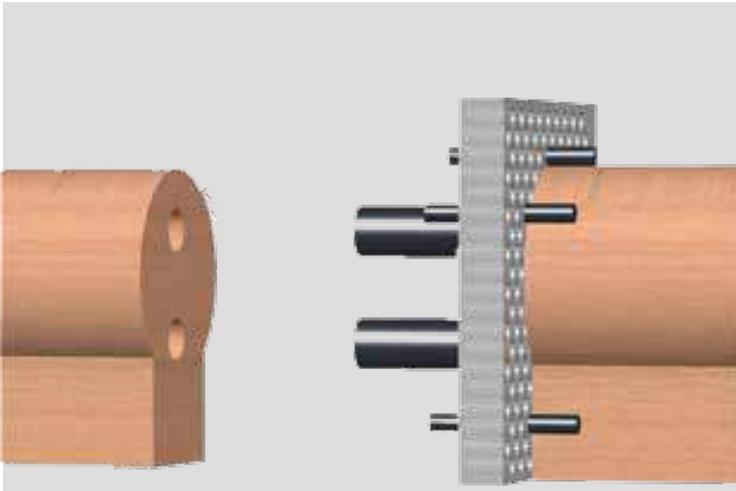
### DETACHABLE

- Deliver large furniture items in parts and assemble them on-site in next to no time
- Join table legs without visible fasteners and unscrew them again if necessary
- Quickly assemble and dismantle trade fair stands



## RASTO

The drill jig allows for precise drilling without measuring or marking into any workpiece shape. It is ideal for Invis Mx and many other applications



### How Rasto Works

Drill precise and efficient holes without measuring or marking into any shape!

The Rasto concept uses positioning pins as stops instead of measuring the hole position. The holes always align perfectly because the position of the pins is not changed when drilling the second workpiece. The transparency allows for easy set up on the work piece or aligning to a pencil mark. Due to its approximately 180 positioning holes Rasto can be used for nearly any shape, thickness or size.

### Advantages and Properties

- Fast and precise holes
- Drill holes into all workpiece shapes
- Drill without measuring or marking
- Handles 32mm hole rows
- Ideal for exact drilling of holes for Invis Mx elements and studs



## RASTO

### Tables

1. Position the pins and drill the table leg
2. Screw in the connectors
3. Drill the table top using the same position
4. Screw in the studs
5. Connect using MiniMag Mx2



### Tables

1. Position the pins and drill the hand rail
2. Screw in the connectors
3. Drill the opposite side using the same pin position
4. Screw in the studs
5. Connect using MiniMag Mx2



### Applications of Rasto

- Kitchen bench tops
- Hand rails
- Corner connections
- All shapes and profiles
- Mitre connections
- Furniture
- Stairs
- Dividing wall connections
- All shapes and profiles
- Surface connections

### Rasto

#### Basic Kit

### Part No

LAM126005

In a cardboard box: 1 transparent perforated plate, 4 drill bushings Ø 5, 8, 10, 12 mm, 3 positioning bolts, 1 fastening screw

#### Mono Kit

LAM126001

In a systainer: 1 transparent perforated plate, 4 drill bushings Ø 5, 8, 10, 12 mm, 3 wood drill bits Ø 5, 8, 12 mm, 3 positioning bolts, 1 fastening screw, 1 Invis Mx2 spacer, 1 Invis Mx2 insertion bush

#### Duo Kit

LAM126002

In a systainer: 2 transparent perforated plates, 8 drill bushings 2x Ø 5, 8, 10, 12 mm, 3 wood drill bits Ø 5, 8, 12 mm, 6 positioning bolts, 2 fastening screws, 1 connection rod, 1 Invis Mx2 spacer, 1 Invis Mx2 insertion bush

### Accessories

Perforated plate for Rasto drill jig

Bolt Ø 5 x 40 for Rasto drill jig

Drill bush for Rasto drill jig:

Ø 5 mm

Ø 6 mm

Ø 8 mm

Ø 10 mm

Ø 12 mm

Depth adjuster for drill bit for Rasto drill jig:

Ø 5 mm

Ø 6 mm

Ø 8 mm

Ø 10 mm

Ø 12 mm

### Part No

LAM6160000

LAM6160001

LAM6100065

LAM6100056

LAM6100057

LAM6100067

LAM6100058

LAM6100059

LAM6100063

LAM6100060

LAM6100064

LAM6100061

Wood drill bit with centring tip for Rasto drill jig:

Ø 5 mm

Ø 6 mm

Ø 8 mm

Ø 10 mm

Ø 12 mm

500 mm connection rod, two-part

Fastening screw

Invis Mx2 spacer for Rasto

Invis Mx2 insertion bush for studs 14mm

### Part No

LAM6100160

LAM6106161

LAM6108060

LAM6110162

LAM6112060

LAM6160601

LAM6560450

LAM6112331

LAM6112330

## Plunge Cut Saws



### Clean and clear

Pair the plunge cut saw with a Festool dust extractor to ensure dust is removed immediately for a clean, clear working environment.

### Perfectly straight work

Both the mains powered and cordless saws work with the FS guide rail to ensure all your cuts turn out perfectly straight every time.

### No sanding required

The splinterguard and guide rails work together to produce a smooth, splinter free finish on both sides.

### CORDED SAWS WITH RAIL



MODEL	POWER	WEIGHT	DESCRIPTION	PART NO.
<b>TS 55 Plunge Cut Circular Saw</b> Blade Dia 160mm x 55mm plunge cut depth.	1,200w	4.5kg	With Systainer storage case. Including FS 1400/2 Guide Rail Set.	FES561655
<b>TS 75 Plunge Cut Circular Saw</b> Blade Dia 210mm x 75mm plunge cut depth.	1,600w	6.2kg	In Systainer box. With Systainer storage case. Including FS 1400/2 Guide Rail Set.	FES561512

**See Page 1-15 for Saw Blades**

## Accessories for Circular Saws

### ACCESSORIES FOR TS 55, TS 55 R AND TS 75



**Parallel side fence, PA-TS 55**      **FES491469\*\***  
 – For TS 55, TS 55 R, TSC 55; parallel guide, guided on both sides; can also be used as table extension  
 – Max. workpiece width 100mm

### COVER, ABSA-TS 55



**Cover, ABSA-TS 55**      **FES491750\*\***  
 – For TS 55, TS, 55 R, TSC 55; cover for improved dust extraction; can also be used as false joint set ideal for MDF  
 – False joint width TS 55 15-46mm

### KICKBACK STOP, FS-RSP



**Kickback stop, FS-RSP**      **FES491582\***  
 – For TS 55, TS 55 R, TSC 55, TS 75, ATF 55, AP 55, AT 65, AP 65, AP 85; used as a rear and front stop position on guide rail FS/2; can also be used as guide stop

### ACCESSORIES FOR TS 75



**Parallel side fence, PA-TS 75**      **FES492243\*\***  
 – For TS 75; parallel guide, guided on both sides; can also be used as table extension  
 – Max. workpiece width 100mm



## Portable Circular Saws

			DENOMINATION AND APPLICATION
<b>HKC 55 Cordless portable circular saw</b> <b>Cordless Circular Saw, HKC 55 EB Li-Basic</b> <b>FES201358</b> – HW standard saw blade W18; operation tool; without battery pack; without charger in a SYSTAINER SYS 4 T-LOC <b>Battery 18 Li 5,2 Airstream</b> <b>FES200181</b> <b>Battery Charger TCL6</b> <b>FES201137</b> <b>Battery Charger SCA8</b> <b>FES200312</b>			
<b>TRIMMING RAILS</b> <b>Trimming rails</b> – The portable circular saw can be easily connected to the trimming rail to form a single unit, by means of a quick fastener; the compound mitre saw system makes work easier with fast, guided and precisely-angled cross cuts.			
	Angular range	Part No	
<b>FSK 250</b> – For HKC 55; cutting length of 250mm { with material thickness of 50mm}	-45 to +60	FES769941**	
<b>FSK 420</b> – For HKC 55; cutting length of 420mm { with material thickness of 50mm}	-60 to +60	FES769942**	
<b>FSK 670</b> – For HKC 55; cutting length of 670mm { with material thickness of 50mm}	-60 to +60	FES769943**	
<b>ACCESSORIES FOR TRIMMING RAILS</b> <b>Bag, FSK420-BAG</b> – For FSK 250, FSK 420; transport bag with shoulder straps in film			
<b>Bag, FSK670-BAG</b> – For FSK 670; transport bag with shoulder straps in film			
<b>ACCESSORIES FOR CIRCULAR SAWS</b> <b>Accessories for HKC 55 cordless portable circular saws</b> <b>Parallel side fence, PA-HKC 55</b> – For HKC 55; parallel guide, guided on both sides; can also be used as table extension			
Part No: FES500464**			

\* Retail Packaging      \*\* In a box

## Circular Saws



### CORDLESS PLUNGE-CUT SAW TSC 55

#### HK 85 EB-Plus AUS

FES767695

The all-rounder for timber work

- Powerful 2300 W motor with power electronics delivers constant power when sawing
- Secure and comfortable handling thanks to cutting depth setting with plunge cut function, guide knife, and remote operation of the blade guard
- Angle adjustment with central clamping from 0 to 60°
- The adjustable groover conversion kit accessory makes the circular saw into a groove cutter



#### Cordless plunge-cut saw, TSC 55 REB Li-Basic

FES201395

- Fine tooth saw blade HW W48; dust catcher; splinterguard viewing window; operating tool; battery pack not included; without charger
- in a SYSTAINER SYS 5 T-LOC



## Chargers & Batteries



### CHARGERS & BATTERIES

#### Charger, TCL 6 AUS 240 V

FES201137

Replacement charger for cordless drills C 12, TDK 12, T 12+3, C 15, TDK 15,6, T 15+3, TI 15, T 18+3, BHC 18, PS(B)C 400/420, TSC 55, DRC 18/4, DWC 18-2500 and DWC Charging current 3.0 A; Input voltage 220-240 V



#### Charger, SCA8

FES200312

#### BPC 18 Li 5,2 Ah Airstream

FES200181

Replacement battery pack for cordless drills DRC/PDC 18, T 18+3, BHC 18, DWC 18 and PSC/PSBC 420, TSC 55; lithium ion (Li-Ion)



\* Retail Packaging

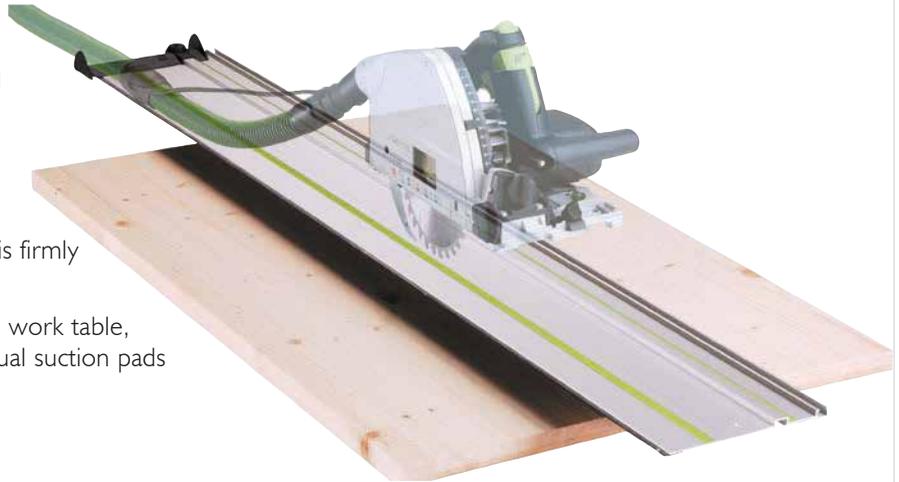
\*\* In a box

## Guide Rail Systems

Festool guide rails and tools go hand in hand – achieving perfect results more quickly, easily and efficiently. Precision straight and angle saw cuts and router grooves.

The Guide Rail system enable you to move the cutting tool over the stationary work-piece as opposed to moving the work-piece past the tool cutter. The tool doesn't just rest against the rail, it is firmly held in a tee slot for perfect accuracy.

The rails can be secured on the work-piece or the work table, using screw or quick action lever clamps. Gecko dual suction pads can also be used.



Simple transfer of angles to the workpiece with the combination bevel and guide rail.



Guide rail and plunge-cut saw for splinter-free cuts and rapid working results.



Multifunction table + guide rail = a strong team. This combination will help you to produce quick quality working results at assembly sites or in the workshop.



### Always one hand free.

Whether guided independently or on the guide rail, the OF 1010 is the perfect one-handed router. Compact and lightweight, you can guide it accurately along edges, lines or curves, using only one hand.



### A guide rail for every occasion.

Whatever your cutting or routing application may be, we have the right guide rail for it, ranging from the short, compact 800mm rail to the long model, measuring a staggering 5,000mm.



## GUIDE RAILS

### Guide Rails of up to 5000mm

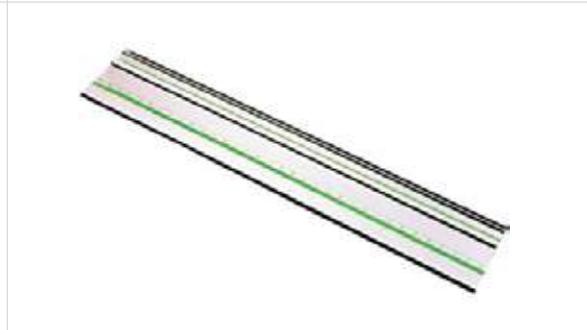
<b>FS 800/2</b> FES491499**	<b>FS 2400/2</b> FES491502**	<b>FS 5000/2</b> FES491500**
<b>FS 1080/2</b> FES491504**	<b>FS 2700/2</b> FES491937**	
<b>FS 1400/2</b> FES491498**	<b>FS 3000/2</b> FES491501**	



### Guide Rails with positioning holes for adjustable shelving

**FS 1400/2-LR 32**  
FES496939\*\*  
-with series of holes

**FS 2424/2-LR 32**  
FES491622\*\*  
-with series of holes



### Accessories for Guide Rails

**FS-RAPID**  
**Quick-action clamp, FS-RAPID/R**  
FES489790\*  
-For clamping and positioning the Festool guide rails FS and FS/2;  
clamping jaws, fixed jaws

**Quick-action clamp, FS-RAPID/L**  
FES768116\*  
-For the use of SSU 200, IS 330 with guide rail; for clamping and  
positioning Festool guide rails FS, FS/2 and GRP/2; Clamping jaws; fixed jaw



**Lever clamp, FS-HZ 160**  
FES491594\*  
-For MFT; solid steel version  
Clamping capacity 120mm; qty. in pack 2 pieces

**Fastening clamp, FSZ 120**  
FES489570\*  
-For MFT; solid steel version  
Clamping capacity 120mm; qty. in pack 2 pieces

**Fastening clamp, FSZ 300**  
FES489571\*  
-For MFT; solid steel version  
Clamping capacity 300mm; qty. in pack 2 pieces

**Connector, FSV**  
FES482107\*  
-To connect guide rails for long workpieces  
qty. in pack 1 piece(S)



**\*Most Popular**

## ACCESSORIES FOR GUIDE RAILS

### Deflector, FS-AW

FES489022\*

-Prevents suction hoses and cables from catching on the end of the guide rail



### Kickback stop, FS-RSP

FES491582\*

-For TS 55, TS 55 R, TSC 55, TS 75, ATF 55, AP 55, AT 65, AP 65, AP 85; used as a rear and front top position on guide rail FS/2; can also be used as guide stop



### Accessories Set, FS-SYS/2

FES497657

-2 clamps FSZ 120; FS-AW deflector; combination angle FS-KS; set-back stop FS-RSP; 2 connecting elements FSV; splinter guard FS-SP 1400 in a SYSTAINER SYS 1 T-LOC



### Combination bevel, FS-KS

FES491588

-For FS/2; for angle cuts on guide rail between 0 and 180



### Mitre Guide, FS-AG-2

FES768168

-For FS/2 and GRP/2; for cuts at precise angles when used together with guide rail



### Bag, FS-BAG

FES466357\*\*

-Up to length of FS 1400/2; carrying bag with shoulder straps



### Dual Suction pad, GECKO DOSH-Set

FES493507\*

-For carrying smooth, non-porous sheet materials; for fixing guide rail to smooth, non-porous surfaces; adapter DOSH-FSAD; dual suction pad GECKO DOSH  
Load capacity 50kg



## ACCESSORIES FOR GUIDE RAILS

### Dual suction pad, GECKO DOSH

FES492617\*

-Prevents suction hoses and cables from catching on the end of the guide rail



### Adapter, DOSH-FSAD

FES492616\*

-To fix the guide rail at the GECKO

### Parallel side fence, FS-PA

FES495717\*

-For FS/2; for sawing along the width; same dimensions may be re-set using the scale and end stop; mounting on the guide rail without the use of tools; stop ruler; clamp; adjustable stop

Max. workpiece width 650mm; qty. in pack 2 pieces



### Guide Extension, FS-PA-VL

FES495718\*

-For FS/2; only for use with the FS-PA; bridge; stop ruler; scale

Max. workpiece width 195mm; Max. material strength 70mm; qty. in pack 2 piece(s)



### Spare Parts for Guide Rails

#### Slideway Lining, FS-GB 10M

FES491741\*

-Replacement slidewaylining for guide rail; 10m length

#### Splinter Guard, FS-SP 1400/T

FES495207\*

-Replacement splinterguard for guide rails; transparent

#### Splinter Guard, FS-SP 5000/T

FES495209\*

-Replacement splinterguard for guide rails; transparent  
Length 1400mm

#### Adhesive Cushion Strip, FS-HU 10M

FES485724\*

-Replacement adhesive strips for guide rails, in 10m rolls



## Kapex Sliding Compound Mitre Saw



### Maximum Cutting Depth

Cut 120mm high skirting boards at their finished angle. The smart bevel (included) makes it easy to transfer the angles from the wall directly to the saw.



### Precision dual line laser

The dual-line laser of the KAPEX marks the exact width of the cut so the work piece can be positioned from the left or right.



### Accurate to the millimetre

Adjust the angle of your cut to the exact millimetre with the fine bevel angle adjustment

### 260mm Sliding Compound Mitre Saw

KAPEX 120 FES561288



- Cutting capacity at 90° : 305 x 88mm
- Special cutting capacity: 20 x 120mm
- Weight 21.5kg
- HW universal saw blade (260mm)
- Smart bevel
- Workpiece clamp

### 260mm Sliding Compound Mitre Saw

Set with Mobile Work Stand  
KAPEX 120 FES201595



- Cutting capacity at 90° : 305 x 88mm
- Special cutting capacity: 20 x 120mm
- Weight 21.5kg
- HW universal saw blade (260mm)
- Smart bevel
- Workpiece clamp & Mobile work stand

## Accessories For Sliding Compound Mitre Saw

### ACCESSORIES FOR SLIDING COMPOUND MITRE SAW

#### Underframe, UG-KA-Set

FES497354\*\*

For KS 120, KS 88; simple folding in for transport; (trimming attachments KA-UG-R and KA-UG-L included); transport rollers; measurement scale; adjustable stop; telescopic slide-out scale; fold-out leg  
Work height 900mm; weight 21kg



#### Underframe, UG-KAPEX

FES497351\*\*

For KS 120, KS 88; simple folding in for transport; transport rollers  
Work height 900mm; weight 10,1 kg



#### Trimming attachment, KA-UG-R/L

FES497514\*\*

For KS 120, KS 88; consisting of KA-UG-L and KA-UG-R; measurement scale; adjustable stop; telescopic slide-out scale; fold-out leg  
Length, ext.arm (w/out teles.) 1480mm; Max. meas. length 2400mm



#### Crown Stop, AB-KS

FES494369\*

For KS 120, KS 88; stop for positioning crown mouldings at an angle; only compatible with KA-KS; also used for securing the table extension KA-KS; crown moulding stop with table extension



**THE ULTIMATE SAW FOR THE TRUE PROFESSIONAL**

## Rotex Sanders



### 3 Tools in 1 - Coarse Sanding, fine sanding & Polishing

#### Rotex Sanders

- Rotatory Motion Speed  
260-660 rpm
- Random Orbital Motion Speed  
3000 - 7000 rpm
- Power input: 400 - 720W
- Weight: 1.5 - 2.3kg



#### Coarse Sanding

Remove material up to 70% faster when sanding in ROTEX mode.



#### Fine Sanding

The Eccentric sanding motion produces a perfect fine sanding finish. Then make a quick switch to polishing for gleaming results.



#### 30 years of Rotex Technology

The Rotex has impressed many generations and has become an essential part of everyday work over the last 30 years.

### Which is ideal ROTEX for you?



#### 90mm + Delta + Corner Sander

- ROTEX 90 FES571824
- Fast Fix Sanding Pad: Ø 90
  - StickFix sanding Disc
  - Festool Protector
  - In systainer



#### 125mm Random Orbital Sander

- ROTEX 125 FES571781
- Fast Fix Sanding Pad: Ø 125
  - StickFix sanding Disc
  - Festool Protector
  - In systainer



#### 150mm Random Orbital Sander

- ROTEX 150 FES571807
- Fast Fix Sanding Pad: Ø 150
  - StickFix sanding Disc
  - Festool Protector
  - In systainer

[See Abrasives Page 8-2](#)

## Accessories For Sanders

ACCESSORIES FOR SANDERS	
<p><b>Protector, FESTOOL I50FX</b> FES493913*</p> <p>For RO I50 FEQ; protects the sanding pad and workpiece when sanding corners and edges</p>	
<p><b>FastFix sanding pad dia, ST-STF D90/7 FX-HT</b> FES496804*</p> <p>Soft; high-temperature-resistant hook and loop fastener; for universal use on flat and contoured surfaces Hardness grade W-HT; Connecting thread FastFix; qty. in pack 1 piece(s)</p>	
<p><b>FastFix sanding pad dia, ST-STF D90/7 FX H-HT</b> FES495623*</p> <p>Hard; high-temperature-resistant hook and loop fastener; for flat surfaces and narrow edges Hardness grade H-HT; Connecting thread FatFix; qty. in pack 1 piece(s)</p>	
<p><b>Interface pad, IP-STF-D90/6</b> FES497481*</p> <p>Interface pad D 90mm; height 15mm; functions as damping element between abrasive and sanding pad Height 15mm; qty. in pack 1 pieces(s); Diameter 90mm</p>	
<p><b>Sanding pad, SSH-GE-STF-RO90 DX</b> FES496802*</p> <p>For abrasives 93 V; delta sanding pad; for attaching StickFix sanding pads, soft and hard; plate without interchangeable sanding pad Connecting thread FastFix; qty. in pack 1 piece(s)</p>	
<p><b>Sanding pad StickFix, hard, SSH-STF-V93/6-H/2</b> FES488716*</p> <p>For DX 93 and RO 90 DX; StickFix; with snap stud qty. in pack 2 piece(s); Hardness grade H</p>	
<p><b>Sanding pad StickFix, soft, SSH-STF-V93/6-W/2</b> FES488715*</p> <p>For DX 93 and RO 90 DX; StickFix; with snap stud qty. in pack 2 piece(s); Hardness grade W</p>	

## Eccentric Sanders – ETS Model

**For use in applications where excellent surface quality is required.**

Festool presents two top-class lightweight eccentric sanders in the ETS series: the 150/3 is a favourite for fine sanding and extra-fine sanding. A lightweight in its class, it produces an excellent surface finish with a 3mm sanding stroke. The ETS 150/5, with a 5mm stroke, is a favourite for light sanding or intermediate varnish sanding. Great for MDF. Its manoeuvrability is an example of outstanding ergonomics.

**MMC electronics.**  
Controls the smooth start-up, adapts the speed to the material and keeps it constant. Infinitely adjustable.

**Distinctly robust.**  
Optimised components protect the electronics should the machine ever fall.

**Outstanding handling.**  
Designed to fit your hand: lightweight, compact, dome grip with Softgrip and ergonomic bar handle.

**Long service life.**  
Two rows of durable dust-proof bearings.

**A safe connection.**  
High quality bronze contacts guarantee a stable connection and you can change cables quickly and easily with the plug-it system.

**Effective sanding pad brake.**  
Prevents scratching when the tool is set down on the workpiece.

**Jetstream principle.**  
For up to 30% less abrasive consumption. High-strength MPE plastic for a longer service life, even when sanding edges.

**Efficient dust extraction.**  
Combine with a mobile dust extractor for a clear view and reliable health protection.

MODEL	POWER	WEIGHT	DESCRIPTION	PART NO
<b>ETS 125 REQ</b>	200w	1.1kg	125mm <b>StickFix</b> Sanding Pad. With <b>Systainer</b>	FES201235
<b>ETS 150</b>	310w	1.8kg	150mm <b>StickFix</b> Sanding Pad. Suited to <i>fine and extra fine</i> sanding. – <b>3mm Eccentricity.</b> With <b>Systainer</b> Storage case. Supplied in carton.	FES571906 FES571905
<b>ETS 150</b>	310w	1.8kg	150mm <b>StickFix</b> Sanding Pad. Suited to <i>intermediate and coarse</i> sanding. – <b>5mm Eccentricity.</b> With <b>Systainer</b> storage case. Supplied in carton.	FES571918 FES571919

**See Abrasives Page 8-2**

## 150MM ECCENTRIC SANDER ETS EC SANDER IN CARTON

- Low design height | 16mm
- Powerful EC-TEC brushless motor
- Ergonomic shape / balances centre of gravity
- Vibration control
- Optional integrated hose and plug-it lead | FES200050



### ETS EC150/3 EQ

FES571878

- 3mm stroke with extra soft Fusion-Tec pad
- In Systainer



### ETS EC150/3 EQ

FES571890

- 5mm stroke with soft Fusion-Tec pad
- In Systainer

[See Abrasives Page 8-2](#)



### Dust Removal

With multi jetstream the surface remains dust free resulting in up to 50% more life from your abrasives



### 3mm or 5mm stroke

The ETS Sander is available in a 3mm orbit for fine sanding or a 5mm orbit for intermediate sanding



### MMC electronic controlled

With MMC Electronics, the machine is being monitored for a constant speed, soft start up and overload protection.

### Systainer with insert for Abrasives

#### SYS-STF-DD7/D90/93V

FES497687

With insert for Ø 90mm abrasives and 93V abrasives

#### SYS-STF 93x178/93V

FES497689

With insert for abrasives 93x178mm

#### SYS-STF D125

FES497685

With insert for abrasives Ø 125mm

#### SYS-STF D150

FES497690

With insert for abrasives Ø 150mm

#### SYS-STF D150 4S

FES497821

With insert for abrasives Ø 150mm; for grits P80, P180, P280, P400 and P500 in accordance with Festool "Sanding in 4 steps" system



## ROTARY/ECCENTRIC SANDING AND POLISHING ACCESSORIES

### RO 125 Rotex Sander

FastFix Sanding Pad 125mm Dia

FES492125

Soft pad for flat and contoured surfaces. Ideal for MDF.  
Burr is especially resistant to high temperatures.



### ES 125, ETS 125 Eccentric Sander

M4 Bolted Sanding Pad 125mm Dia

FES492280

Soft pad for flat and contoured surfaces. Ideal for MDF.  
Burr is especially resistant to high temperatures.



### SANDING PADS

#### RO 150

FastFix Sanding Pad 150mm Dia

FES496149

Hard, high edge solidity for flat surfaces.



FastFix Sanding Pad 150mm Dia

FES496147

Soft pad for flat and contoured surfaces. Ideal for MDF.  
Burr is especially resistant to high temperatures.



#### ETS 150,

M8 Bolted Sanding Pad 150mm Dia

FES498988

Hard, high edge solidity for flat surfaces.



M8 Bolted Sanding Pad 150mm Dia

FES498987

Medium for fine sanding and contoured surfaces.



M8 Bolted Sanding Pad 150mm Dia

FES498986

Soft pad for flat and contoured surfaces. Ideal for MDF.  
Burr is especially resistant to high temperatures.



Interface Pad 150mm Dia

FES496647

Damping element, 15mm height, for very fine sanding of flat and contoured surfaces, in conjunction with 150mm Dia eccentric sander.



### POLISHING PADS

White Very Fine Honeycombed 150mm

FES493873

High gloss finishing and polishes out holograms.



Hard felt for preliminary polishing of Mineral Materials.  
Acrylic glass and gloss paints.

FES485970



Soft lambswool for polishing scratch proof surfaces and scratch resistant paint.

FES493838



**\*Most Popular**

## Orbital Sanders

### DESIGNED TO FIT YOUR HAND

### RUTSCHER® RTS 400 AND DELTA SANDER DTS 400

#### The all-round ergonomic sander.

The DTS 400 and RTS 400 are ideal for working on vertical and overhead surfaces because of their compact design and weight of only 1.1kg. The electronics improve working results and the vibration stop makes your work less strenuous.

**Perfect one-handed operation.**  
Designed to fit your hand: 1.1kg, compact with handle grip and suitable for both right and left handers.

**plug-it.**  
Change machines with a turn of the wrist. Cable breaks will not hold you up for long. Simply replace the cable and continue your work.

**Vibration stop.**  
The vibration stop ensures non-tiring work, even over longer periods.

**Electronics.**  
Infinitely adjustable speed for sanding adapted to the working material.

**MPE sanding pad.**  
High-strength MPE plastic for a perfect finish and a long service life. StickFix burr layer for quick sanding pad changes.

**Integral dust extraction.**  
Both have a powerful integral dust extractor to protect your health and keep your working environment clean.

**Antistatic equipment.**  
The antistatic equipment prevents annoying static from developing when the machine is connected to a mobile dust extractor, allowing you to sand paint and metal.

MODEL	POWER	WEIGHT	DESCRIPTION	PART NO.
<b>DTS 400R Triangular Orbital Delta Sander</b> 100mm x 150mm pad	200w	1.1 kg	In Cardboard Box	FES201229
<b>RTS 400R Ergonomic Sander</b> 80mm x 130mm pad	200w	1.1 kg	In Systainer	FES201222

**See Abrasives Page 8-6**

## Orbital Sanders

### RS 100 PROFESSIONAL



#### Coarse sanding flat surfaces.

- 115 x 225mm pad size.
- 5mm stroke, high material removal rate.
- StickFix quick change abrasives.
- Variable speed, gear driven.
- Bag or external dust extraction for clean work and healthy environment.

- **Power: 620w / Weight: 3.3kg**

Supplied in carton.

FES567796

### RS 200 PROFESSIONAL



#### Intermediate and final sanding flat surfaces.

- 115 x 225mm pad size.
- 2.4mm stroke.
- StickFix quick change abrasive.
- Variable speed – extremely smooth pattern.
- Large sanding base for economical sanding.
- Bag or external dust extraction for clean work and healthy environment.

- **Power: 330w / Weight: 2.4kg**

In Systainer

FES567887

### RS 300 MULTI TALENT



#### Intermediate and final sanding flat surfaces.

- Variable Speed.
- 2.4mm stroke – for fine finish.
- Abrasives 93 x 175mm, 93 x 230mm extended, 93 x 266mm pointed.
- **Interchangeable shaped pads:** Standard; Extended – for narrow spaces like louvres, or behind ducting; Pointed – for corners and edges.

- **One tool does it all.**

- Bag or external dust extraction for clean work and healthy environment.

- **Power: 280w / Weight: 2.4kg**

With **Systainer** storage case.

FES567878

### LS 130 LINEAR SANDER



#### Ultimate profile sander.

- Optional shaped pads available in – Flat, Vee-grooves, Rounds, Profiles.
- Edge sand without knocks.
- 80 x 133mm abrasive sheet.
- Variable speed – extremely smooth pattern.
- Bag or external dust extraction for clean work and healthy environment.

- **Power: 260w / Weight: 1.7kg**

With **Systainer** storage case.

FES567770

Construction Kit Only

FES490780

- to create your own profile shape.

## Belt Sanders – Stationary or Mobile

### Continuous precision.

Whether for coarse, fine or linear sanding, Festool belt sanders are a reliable partner and offer a unique advantage. Working in only one direction along the grain prevents sanding rings from developing, thereby eliminating laborious, tiresome reworking. Festool belt sanders are available in widths 75mm and 105mm.

### Accurate belt guidance.

The sanding belt is guided safely and accurately for efficient work and a perfect sanding finish. Precision adjustment ensures consistent accurate work after the belt is changed.

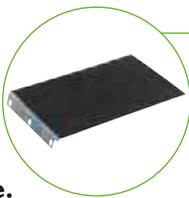


### Electronics.

The electronics ensure precision belt speed control to suit the working material, which in turn increases the working quality and makes reworking a thing of the past.

### Graphite sanding base.

The graphite sanding base guarantees an excellent sanding finish and prevents the machine from seizing or stopping during the sanding process.



### Dust extraction.

The integrated dust extractor guarantees clean working conditions. Belt sanders can also be connected to Festool mobile dust extractors.



### Ergonomics.

The housings are narrow and the belt sanders have a perfect centre of gravity because the motor is installed lengthways.



### Powerful motor.

Whether the BS 75 or the BS 105, the motors on Festool belt sanders are powerful and reliable.



### Sanding frame.

The sanding frame prevents the belt sander from tilting. The belt sander moves safely over the working surface once clamped in position. Fine brushes prevent the workpiece from being scratched.



### Stationary use.

With the bench unit, you can turn a mobile belt sander into a stationary unit in an instant, allowing you to machine smaller workpieces more efficiently.

MODEL	POWER	WEIGHT	DESCRIPTION	PART NO.
<b>BS 75 Belt Sander</b>	1,010w	3.8kg	75 x 533mm Abrasive belts Less sanding frame	In <b>Carton</b> only FES570230
<b>BS 105 Belt Sander</b>	1,400w	6.5kg	105 x 620 Abrasive belts – Range 40 to 220 grit	With <b>Systainer</b> storage case FES570212

See Abrasives Page 8-7

## Routing

### An impressive all-in-one package.

The 70mm routing stroke and extensive range of accessories for the OF 1400 leave nothing to be desired. For perfect routing results and easy handling.



**Precise depth setting.**  
The accurate play-free depth setting with "zero" function allows the routing depth to be adjusted quickly and without the need for recalculation. Fine adjustment accurate to 1/10mm.

**Steadfast stability.**  
Once the routing height is set, the router is clamped to both guide columns at the same time with only one clamping handle. It is therefore extremely torsionally rigid and guarantees precise working results.

**SSB quick-acting safety brake system.**  
For maximum safety when routing with the OF 1400. The router tool stops in less than 2 seconds before it can do any damage.

**Change cutters in an instant.**  
The convenient spindle stop with rocker and ratchet principle allows you to change the cutter without removing the spanner. What a relief!

**70mm stroke.**  
Recessing metal fittings and tasks that require a considerable routing depth and involve templates no longer constitute a problem thanks to the larger routing stroke of 70mm.

**Central clamp.**  
The guide rods on the parallel stop and other accessories are locked and released via one rotary knob. It couldn't be easier!

**Tool-less copying ring change.**  
You can change the copying ring on the OF 1400 without using tools. Simply unlock, remove the copying ring and slot another one in its place – no need for adjustments, the ring is already centred correctly.

**99% dust extraction.**  
Combined with the dust extraction hood, the unique chip deflector makes the impossible possible. Up to 99% of chips are extracted during edge routing (source: Festool test workshop). Ideal with a CT mobile dust extractor.

MODEL	POWER	WEIGHT	DESCRIPTION	PART NO.
<b>OF 1010</b> <i>Small tool for delicate work</i>	1,010w	2.7kg	With <b>Systainer</b> storage system.  1/4" collet, 55mm depth adjustment, parallel side fence, dust extraction hood, guide rail adaptor, one handed operation, spindle stop for easy cutter changes.	FES574335
<b>OF 1400</b> <i>Mid range router</i>	1,400w	4.5kg	With <b>Systainer</b> storage system.  1/2" collet and 1/4" clamping collets, 70mm fine depth adjustment, cutter dia up to 45mm, parallel side fence, copy ring – tool less change, single spanner ratcheting tool change.	FES574346

**Most Popular**

## Routing

### Gives you that bit extra.

The OF 2200 – the powerhouse for heavy-duty routing work. High power output, twinned with a dual-bearing armature shaft, produces a clean routing pattern even when routing hardwoods and mineral materials.

#### Precise fine adjustment.

Set the cutting depth to within 1/10th of a mm using the zero-out process. Softgrip and the ergonomically positioned indicator make it dead easy.



#### Powerful low-end torque.

The electronic motor control uses the 2,200 Watts to produce impressive low-end torque performance. The three-fold mounted armature shaft guarantees low-vibration routing.



#### Faultless precision.

Once the routing depth is set, the router clamps to both guide columns at the same time with only one control knob. This double column clamping system guarantees accurate routing results.



#### First-class ergonomics.

Perfect control and ergonomic handling are the end result of the clever 30° rotation offset of the parallel fence.



#### Festool routers.

For perfect results, Festool offers you over 160 router bits in HS and HW quality.



#### Corrosion-free columns.

The coating protects the guide columns against corrosion.



#### Convenient router bit change.

The rocker and ratchet spindle stop mechanism enables fast, safe router bit change with just one spanner.



#### Profile cutter quickly adapted.

By coupling the base to the depth guide, you can use the fine adjustment mechanism to quickly set the cutter into the ideal position.



#### Tool-free change.

Change the copying ring, chip catcher and baseplate using FastFix: simply unlock, change, click in. Centering is automatic.



#### Unmatched dust extraction

The extraction hood, chip catcher and rotatable exhaust adapter, which can be rotated 45°, ensure removal of up to 99% of generated dust when used with a CT extractor – even when routing edges!

#### 80mm plunge depth.

Impressive 80mm plunge depth for more options and safety.

MODEL	POWER	WEIGHT	DESCRIPTION	PART NO.
<b>OF 2200</b> Heavy Duty Power House	2,200w	7.8kg	Sys 4 <b>Systainer</b> storage case. with Accessories SYSTAINER 1/2", 1/4" clamping collets, 80mm quick depth adjustment, 20mm fine depth adj, max routing tool diameter 89mm, 30mm dia copy ring, chip deflector.	FES574351 FES574394

For more Routing features, refer to the Guide Rail System section 9-46

To view a wide range of Router Bits, refer to Shank Type Tools section 2

## Router Accessories

### OF 1010 MODELS

#### Flush Trim Edge Plate

FES486058

#### Parallel Side Fence

FES489427

FES483358

#### 1/4" Clamping Collet

FES488761

#### 8mm Clamping Collet

FES488755

#### Chip Deflector

FES493180 OF 1010

FES492732 OF 1400

#### Chip Guard

FES486242



### OF 1400 MODELS

#### Guide Rail Adaptor

FES492601



#### Copying Ring 17-14mm

FES493315

#### Copying Ring 24-21mm

FES492183



#### Clamping Collet 12.7mm

FES494465



#### Shelving Set

FES584100



#### Parallel Side Fence OF 2200

With fine adjustment and dust hood

FES494680

### OF 1010 AND OF 1400 MODELS

#### Circle Trammel Unit

FES483922



#### Edge Trimming Angle Arm OF 1010 / OF 1400

FES486052



#### Copier Scan Set OF 1010/OF 1400

FES486534



#### Basic Jointing System VS 600

FES488876



#### Dove Tail Joint Template VS 600 SZ 14

FES488877



#### Slot Joint Template VS 600 F210

FES488880



#### Guide Rail Adaptor OF 2200

FES494681



#### Guide Rods OF 2200

For side and guide stops

FES495247



#### Dust Extraction OF 1400/OF 2200

FES489565



## ROUTER ACCESSORIES

### Special Collets

For use with OF 1400 (before 2008) fork wrench size 24 necessary (772051)

#### Collet, SZ-D 6,35/OF 1400/2000/2200

FES494463\*

For the OF 1400, OF 2000, OF 2200; for router shaft 6.35mm

#### Collet, SZ-D 9,53/OF 1400/2000/2200

FES494464

For the OF 1400, OF 2000, OF 2200; for router shaft 9.53mm



### Routing templates

#### Routing template, MFS 400

FES492610



#### Routing template, MFS 700

FES492611



#### Worktop template, APS 900

FES492727



#### Guide rail, FS 1400/2-LR 32

FES496939\*\*

With series of holes

Length 1400mm



## Laminate Trimming

### Impressive both on curves and straight lines.

The OFK 700 EQ is a multi-talent among edge trimmers because it makes easy work of trimming edges and surface projections, irrespective of whether the workpiece is large or small, or whether the edges are curved or straight. The quick heavy-duty detachable router table provides a stable surface area and secure guidance for the machine in any working position.



**Highly effective dust extraction.**  
The OFK 700 extracts chips and dust in both a vertical or horizontal position with no trouble at all.

**MMC electronics.**  
The MMC electronics quickly adapt the speed of the OFK 700 to the working material and keep it constant under load.

**plug-it.**  
Change machines with a turn of the wrist. Cable breaks will not hold you up for long. Simply replace the cable and continue your work.

**Moving contact pad.**  
Laminated plastic edges are extremely hard and normally the cutter is only partially used. The OFK 700 has a moving contact pad to exploit the full potential of the cutter blade.

**Exact to 1/10mm.**  
The routing depth can be adjusted in 1/10mm increments.

**1.5° router table.**  
The table on the OFK 700 is inclined 1.5° to prevent the surface of the workpiece from being damaged during routing work.

**0° router table.**  
The 0° table is used where the 1.5° router table is not the ideal solution, eg. on covered or coated edges. This accessory is used to rout edges at right angles.

**Contact spring.**  
The contact spring compensates for unevenness on coarse edges (eg. chipboard) to prevent errors from being transferred to the router and therefore to the edge of the workpiece.

MODEL	POWER	WEIGHT	DESCRIPTION	PART NO.
<b>OFK 700 Laminate Trimmer</b>	720w	2.0kg	<b>Systainer</b> storage case. 1/4" collet chuck, dust extraction hood, D19 x 16 edge cutter.	FES574452

## Jointing System

**SUITABLE FOR:**

-  • Panel Joints
-  • Frames
-  • Racks

**DOMINO JOINING SYSTEM**

- Efficient dust extraction.
- 5 different depth stops.
- Precise routing height adjustment.
- Work stops that are easy to adjust.
- Maximum precision and as solid as a mortise and tenon.
- Viewing window for precise positioning and accurate routing.



**Domino dowel range:**

- 4 x 20
- 5 x 30
- 6 x 40
- 8 x 40
- 8 x 50
- 10 x 50



A SIZE TO SUIT **EVERY** APPLICATION

## WHERE EVERYTHING FITS PERFECTLY DOMINO JOINER DF 500

### Unique and innovative.

The patented routing principle, excellent ergonomics and a wide range of adjustment options make it extremely easy for you to manufacture solid joints, even in extremely complex applications.



**The DOMINO for exterior applications.** DOMINOs made from hardwood are suitable for exterior applications, in particular hard-wearing joints on house doors, balcony railings or fences.

### Business as usual.

Bevel, mitre and vertical joints are easy to create with the DOMINO joining system. No special training is required if you're familiar with other hand held joining tools.

For our full range of Jointing Systems, refer to Mortising section 7-25

## DOMINO JOINING MACHINE DF 500

### DOMINO Joining Machine DOMINO, DF 500 Q-Plus AUS

FES574328

-DOMINO cutter D5; support bracket; operating tool  
in a SYSTAINER SYS 2T-LOC



### DF 500 Starter set version DOMINO, DF 500 Q and Assortment Set AUS FES574872

-DOMINO cutter D5; support bracket; operating tool; DOMINO beechwood  
assortment (498899)  
-in a SYSTAINER SYS 2T-LOC



### DOMINO Joining Machine XL DF 700

#### DOMINO Joining machine DOMINO XL, DF 700 EQ-Plus AUS

FES574423

-DOMINO cutter D 12; support bracket; 1x Plastic box, operating tool  
-in a SYSTAINER SYS 2T-LOC



### Accessories for DOMINO Joining Machines DF 500 and XL DF 700

#### Trim stop, LA-DF 500/700

FES493487\*

-For DF 500 and DF 700; for strips 22-70mm in width  
qty. in pack 1 piece(s)



#### Cross stop, QA-DF 500/700

FES498590\*

-For DF 500 and DF 700; package contents include: one left and one right cross stop;  
for consistent mortise spacing, 100-205mm apart; for precise routing positioning  
100-205mm away from edges



#### Handrail fence, RA DF 500/700

FES494847\*

-For DF 500 and DF 700; for joining handrails, large dowels and other round  
workpieces, dia. 35-60mm; for routing of round poles/rods Ø 35-6-mm



#### Additional stop, ZA-DF 500

FES495666\*\*

-For DF 500; perpendicular support bracket with retractable stops; for reducing the  
offset to centreline from 37mm to 20mm; for secure placement of the router



**\*Most Popular**

## ACCESSORIES FOR DOMINO JOINING MACHINE XL DF 500

### Cutters for DOMINO Joining Machine

For DF 500

<b>D 4-NL 11 HW-DF 500</b>	FES495663*
<b>D 5-NL 20 HW-DF 500</b>	FES493490*
<b>D 6-NL 28 HW-DF 5</b>	FES493491*
<b>D 8-NL 28 HW-DF 500</b>	FES493492*
<b>D 10-NL 28 HW-DF 500</b>	FES493493*



### DOMINO, Beech

For DF 500

<b>D 4x20/450 BU</b>	FES495661*
<b>D 5x30/300 BU</b>	FES494938*
<b>D 5x30/1800 BU</b>	FES493296**
<b>D 6x40/190 BU</b>	FES494939*
<b>D 6x40/1140 BU</b>	FES493297**
<b>D 8x40/130 BU</b>	FES494940*
<b>D 8x40/780 BU</b>	FES493298**
<b>D 8x50/100 BU</b>	FES494941*
<b>D 8x50/600 BU</b>	FES493299**
<b>D 10x50/85 BU</b>	FES494942*
<b>D 10x50/510 BU</b>	FES493300**



### DS 4/5/6/8/10 1060x BU

DOMINOs 4x20, 5x30, 6x40, 8x40, 10x50mm and **DOMINO cutters** for sizes 4,5,6,8 and 10 in a SYSTAINER SYS 2 T-LOC

FES498899



### DOMINO, Sipo (mahogany)

For DF 500; weatherproof; mahogany DOMINOs

<b>D 5x30/300 MAU</b>	FES494869*
<b>D 5x30/900 MAU</b>	FES494859**
<b>D 6x40/190 MAU</b>	FES494870*
<b>D 6x40/570 MAU</b>	FES494860**
<b>D 8x40/130 MAU</b>	FES494871*
<b>D 8x40/390 MAU</b>	FES494861**
<b>D 8x50/100 MAU</b>	FES494872*
<b>D 8x50/300 MAU</b>	FES494862**
<b>D 10x50/85 MAU</b>	FES494873*
<b>D 10x50/255 MAU</b>	FES494863**



## ACCESSORIES FOR DOMINO JOINING MACHINE XL DF 700

### Cutters with threaded mounts for DOMINO XL DF 700 Joining Machine

<b>D 8-NL 50 HW-DF 700</b>	FES497868*
<b>D 10-NL 70 HW-DF 700</b>	FES497869*
<b>D 12-NL 70 HW-DF 700</b>	FES497870*
<b>D 14-NL 70 HW-DF 700</b>	FES497871*



### DOMINO, Beech

For DF 700

<b>D 8x80/190 BU</b>	FES498212**
<b>D 8x100/150 BU</b>	FES498213**
<b>D 10x80/150 BU</b>	FES498214**
<b>D 10x100/120 BU</b>	FES498215**
<b>D 12x100/100 BU</b>	FES498216**
<b>D 12x140/90 BU</b>	FES498217**
<b>D 14x100/80 BU</b>	FES498218**
<b>D 14x140/70 BU</b>	FES498219**



### DS/XL D8/D10 306x BU

For DOMINO XL; assorted DOMINOs 8x50, 8x80, 8x100, 10x50, 10x80, 10x100 and **DOMINO XL cutter** for sizes 8 and 10 in a SYSTAINER SYS 2 T-LOC

FES498204

### DS/XL D12/D14 128x BU

For DOMINO XL; assorted DOMINOs 12x100, 14x100, 14x140mm and **DOMINO XL cutter** for size 14 in a SYSTAINER SYS 2 T-LOC

FES498205



### DOMINO Rods, Beech

For DF 700

<b>D 8x750/36 BU</b>	FES498686**
<b>D 10x750/28 BU</b>	FES498687**
<b>D 12x750/22 BU</b>	FES498688**
<b>D 14x750/18 BU</b>	FES498689**



### DOMINO Rods, Sipo

For DF 700; weatherproof; mahogany DOMINOs

<b>D 8x750/36 MAU</b>	FES498690**
<b>D 10x750/28 MAU</b>	FES498691**
<b>D 12x750/22 MAU</b>	FES498692**
<b>D 14x750/18 MAU</b>	FES498693**



## Hand Planers

### Planing made easy.

Only 2.4kg in weight, ergonomic handle and cuts close to the edge – the EHL 65 E is an assembly planer that has been well designed right down to the finest details. With a planing width of 65mm, the EHL 65 E can tackle virtually any assembly task. Lightweight, compact and powerful, just the right one-handed planer for professionals.

**Flexible dust extraction.**  
The dust extractor can be used on the left or right side, depending on your working position, so that it does not get in the way.

**Ergonomic handle.**  
Non-tiring work and accurate guidance.

**Slimline.**  
Planing width of 65mm for versatile use as an assembly planer.

**Parallel stop.**  
Side guide for perfect working results.

**Stepless cutting depth adjustment.**  
Handy rotary knob for adjusting the cutting depth accurately.

**Quick blade changes.**  
Loosen three screws, replace the blade, tighten back up and you're done! The blade is adjusted automatically.

**Low operating noise.**  
None so quiet thanks to the spiral shape of the blade.

**Spiral blade with drawing cut.**  
Always a smooth planing pattern and no "chatter marks".

MODEL	POWER	WEIGHT	DESCRIPTION	PART NO.
<b>EHL 65 Single Handed Planer</b>	720w	2.4kg	65mm blade width. 23mm max rebate. With <b>Systainer</b> storage case.	FES574559

### HAND PLANER ACCESSORIES

<p><b>Planer Blades</b> 65mm long standard blade. Shear Angle. FES488503</p>		<p><b>Rebate depth stop, FA-EHL</b> FES488543* For EHL 65; for rebate depths of 0-23mm</p>	
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## Hand Planers

### The only planer for limitless rebating.

Planing and rebating right up to the edge: the rebate depth of conventional electric planers is quite limited and you are always left with the burden of reworking. The HL 850 EB relieves you of this. The patented, single-bearing planing head enables you to work flush with the work piece to unlimited rebate depths.

#### Quick blade changes.

Loosen three screws, replace the blade, tighten back up and that's it! The blade is adjusted automatically.



#### Retractable side guard.

Retract the side guard so you can plane right up to the edge. You can reach the lever easily without changing hand position.



#### SSB quick-acting safety brake system.

From 10,000 revolutions per minute to 0 in two seconds – thanks to the SSB quick-acting safety brake system.



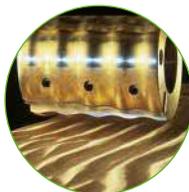
#### Stepless cutting depth adjustment.

Handy rotary handle for adjusting the cutting depth accurately.



#### Replaceable planing heads.

A rough, smooth or wavy wooden texture – you have three different choices of rustic effect.



#### Unlimited rebate depth.

The single-bearing planing head allows you to work right up to the edge and to unlimited rebating depths.



#### Spiral blade with drawing cut.

Always a smooth planing pattern and no "chatter marks" thanks to the unique spiral blade.



MODEL	POWER	WEIGHT	DESCRIPTION	PART NO.
<b>HL 850 Hand Planer</b>	850w	3.9kg	82mm blade width. Rotational speed 11,000 RPM. With <b>Systainer</b> storage case.	FES574550

### HAND PLANER ACCESSORIES

#### Planer Blade

82mm long standard blade. Shear Angle. FES484515



#### Planer head

Standard design, fine with Carbide tipped spiral blade. FES484520

Rustic design, Fine with H.S.S. spiral blade. With depth limiter. FES484521

Rustic design, coarse with H.S.S. spiral blade. With depth limiter. FES484522

Rustic design, undulating with H.S.S. spiral blade. With depth limiter. FES485331



## Jigsaws

### TRION®: Pendulum jigsaws with the patented saw blade guide.

It is not only superior precision that makes Festool jigsaws so impressive: a combination of operating comfort and superb technical features helps to improve your daily working results.



**Durable components.**  
Hard-wearing drive elements and bearings guarantee a maximum service life.



**Designed to fit in your hand.**  
The machine has a flat motor and compact handle dimensions, fits in your hand perfectly and is easy to use.



**plug-it.**  
Change machines with a turn of the wrist. Cable breaks will not hold you up for long. Simply replace the cable and continue your work.



**Rapid saw blade change.**  
With the FastFix quick release system, saw blades can be changed quickly and without tools.



**Extractor connector.**  
Standard connector for chip and dust extractors, can be easily removed or attached as required.



**Three-way saw blade guide.**  
For straight cuts – saw blade does not run off course, no time-consuming reworking.



**Integral dust extraction.**  
Extraction channels integrated in the saw table directly beside the saw blade provide effective dust extraction. For cleaner working conditions all round.



**Smooth running.**  
The high performance motor generates a strong pulling force and is both smooth running and durable at the same time.

See Pages 5-4 to 5-6 for Blades

## Jigsaws

Festool Jigsaws have a **three way saw blade guide**, that achieves the precision cut that tradesmen expect.



- Cutting depth 120mm wood
- 0-45° inclination.
- Four speed/stroke settings.
- Splinter guard for clean cuts.
- External dust extraction port.
- **Power: 720w / Weight: 2.4kg**

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With **Systainer** storage case.      FES561445

### PS 300 – THE SLIM PERFORMER





### PSB 420 – STIRRUP HANDLE



- As above with different handle.
- **Power: 550w / Weight: 1.9kg**

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FES561612

### PSBC 420 – CORDLESS JIGSAW



**“D GRIP” Handle**  
FES201379



### PSC 420 – BARREL GRIP HANDLE



**“Barrell” Handle**  
FES574713



### BATTERY / CHARGER



**Battery BPC 18 Li AH**  
FES200181



**Battery Charger**  
FES201137

## Accessories For Jigsaws



### ACCESSORIES FOR JIGSAWS

#### Adapter table, ADT-PS 420

FES497303\*

For PS 400/420; for using the PS on the guide rail; for installation in the Compact module System CMS; in conjunction with circle cutting attachment KS-PS 400



#### Circle cutting attachment, KS-PS 420

FES497304\*

For PS 400/420; circle dia. from 120mm - 3m; for use with adapter base ADT-PS 400



#### Circle cutting attachment, KS-PS/PSB 300

FES490118\*

For PS 300, PSB 300, PS200, PS2  
Circle Ø 130 - 720mm



#### Splinter guard, SP-PS/PSB 300/20

FES490121\*

For PS 300, PSB 300, PS{C} 400/420, PSB{C} 400/420; prevents splintering qty. in pack 20 piece(s)



#### SYS accessories, ZH-SYS-PS 420

FES497709\*

For PS 400/420; 5 splinterguards; dimpled baseplate, hard fibre baseplate, baseplate for metallic materials; adjustable Angle Bevel Base; base adapter; circle cutting attachment; StickFix felt in a SYSTAINER SYS 2 T-LOC



## Multi Tool



### Precise depth stop

The depth stop is easy to adjust with no tools required, for accurate plunge depth while protecting the blade and material



### Quick and easy work

Notches, cut-outs and plunge cuts in plasterboard, wood, composite materials, laminated materials - even in hard to reach places



### Build tough with power

Saw blades for wood or metal, universal bi-metal blades, special saw blades for windows and a scraper for adhesive and silicone are all available



### Multi-Tool Vecturo Set OS 400 FES563001

- Positioning guide and depth stop set
- Universal Saw Blade USB 78/32/BI
- 720 W

See Page 5-10 for Blades

## Mobile Dust Extractors

Efficient – **dust extraction equipment.**  
 Essential for – **protecting your health.**  
 And maintaining a – **clean work environment.**

- Festool dust extractor filters meet ASA and EN regulations for removing hazardous materials, to ensure a safe work place in most environments.
- Extractors can be set on **auto** so they start when a tool or machine is switched on, or set on **manual** for continuous running.
- Having the suction hose and power cable together provides a quick and easy connection when changing tools.
- Practical storage space for hose and power cable.
- Boom arms available in different sizes, to allow extraction at several work places.
- When using air tools use with the air connection with the supply air automate on/off switch for IAS-3 compressed air tools.
- When air tools are activated, CT 36 extractor models will automatically stop/start.



**CT MINI**

- Suited to – sanding, routing, sawing, and drilling.**
- Filter bag capacity 7.5 Ltr.
  - Max suction 3,700 Ltr/min.
  - Filter surface area 5,000 cm<sup>2</sup>.
  - Variable suction power adjustment.
  - Castor locking brake.
  - Contents: One spare filter bag in storage compartment. Anti static suction hose 3.5mtr x 27mm Dia with rotating collar.
  - **Power: 1,200w / Weight: 8.7kg**

FES574870 Set (with cleaning kit) FES584155 Basic



**CT MIDI**

- Filter bag capacity 12.5 Ltr
- Max suction 3,700 Ltr/Min
- Filter surface area 8,000 cm<sup>2</sup>
- Variable suction power adjustment.
- Castor locking brake.
- Contents: One spare filter bag in storage compartment. Anti static suction hose 3.5mtr x 27mm Dia with rotating collar. Cleaning attachment set in Systainer.
- **Power: 1,200w / Weight: 9.0kg**

FES574871 Set (with cleaning kit) FES584164 Basic



**CT 26 HEPA**

- Hepa 0.3micron filter bag – capacity **24 Ltr.**
- Automatic on/off.
- Separate compartment for motor.
- Large wheels allow great mobility.
- **Power: 1,200w / Weight: 13.9kg**

**FES583494** With cleaning kit **\*Most Popular**



**CT 36 HEPA**

- Hepa 0.3micron filter bag – capacity **34 Ltr.**
- Midi Machine Specifications as above.
- Automatic on/off.
- Separate compartment for motor.
- Large wheels allow great mobility.
- Storage compartment
- **Power: 1,200w / Weight: 14.4kg**

FES583495  
 FES584169 With tool holder for Planex

## CT SYS MOBILE DUST EXTRACTOR

### Mobile dust extractor CLEANTEC, CTL SYS

FES584177

Approval for dust class L; container/filter bag capacity 4.5/3.5 l; only suitable for dry extraction; filled filter bag; suction hose Ø 27 x 3m-AS with angle rotating adapter on the extractor side; hose holder; Sys- Dock with T-LOC function; upholstery nozzle D 36 PD; crevice nozzle D 36 FD-I50; SYS-CT carryin belt



### CT 17 L Class Workshop Dust Extractor AUS

FES769809

Suction hose, Ø 27 x 3.5m long, with rotatory connection hubs; cleaning attachment set; double wall filter bag.



## ACCESSORIES FOR MOBILE DUST EXTRACTORS CT AND DUST EXTRACTORS SR

### Filter bag, SC FIS-CT SYS/5

FES500438\*\*

For CT-SYS; SELF CLEAN filter bag made of fleece material; optimum usage of the filter bag volume, with highly tear resistant filter fleece qty. in pack 5 piece(s)



### Filterbag, Longlife-FIS-CT SYS

FES500642\*

For CT-SYS; Multiple filter bag for disposal of dust; used only for extraction of dust types which are not hazardous to health; from high strength, 3 layer polyester fleece with a long service life qty. in pack 1 piece(s)



### CT boom arm

#### CT boom arm, CT-ASA CT 26/36/SB AUS

FES496465\*\*

For CT 26/36; boom arm for mounting on all CT 26/36 models (except CT 36 AC HD); with the SB-CT 26/36 handle; pipe set with the SB-CT 26/36 handle; pipe set with connections Length 2119mm; Width 1136mm



## Mobile Dust Extractors

			ACCESSORIES
<b>FILTERS AND FILTER BAGS</b>			
Festool Filter Bag – CT Mini	PKT 5	FES498410	
Festool Filter Bag – CTL Midi	PKT 5	FES498411	
Festool Main Filter – CT Mini/Midi	Ea	FES456790	
Festool Filter Bag CT17	PKT 5	FES769136	
Festool Filter Bag – CT 22 E	PKT 5	FES452970	
Festool Filter Bag – CT 33	PKT 5	FES452971	
Festool Filter Bag – CT 44	PKT 5	FES452972	
<b>Festool Filter Bag – CTM 26</b>	<b>PKT 5</b>	<b>FES496187</b>	
Festool Filter Bag – CTM 36	PKT 5	FES496186	
Festool Filter Sack Long Life – CT 22 E	Ea	FES456737	
Festool Filter Sack Long Life – CT 33 E	Ea	FES456738	
Festool Filter Sack Long Life – CTM 26	Ea	FES496120	
Festool Filter Sack Long Life – CTM 36	Ea	FES496121	
Festool Main Filter Long Life – CTM 26/36 Hepa	Ea	FES498994	
Festool Wet Filter Long Life – CTM 26/36 1pce	Pr	FES496169	
Festool Main Filter – CT 22 E/33/44/55 2pce	Pr	FES452923	
Festool Main Filter – CTM 26/36 1pce	Pr	FES496170	
<b>SUCTION HOSES AND CLEANING SETS</b>			
Festool Vacuum Hose Dia 27 x 3.5mtr Anti Static	Ea	FES452878	
Festool Vacuum Hose Dia 27 x 5.0mtr Anti Static	Ea	FES452880	
Festool Vacuum Hose Dia 36 x 3.5mtr Anti Static	Ea	FES452882	
Festool Vacuum Hose Dia 27 x 3.5mtr Non Anti Static	Ea	FES452877	
Festool Vacuum Hose Dia 27 x 5.0mtr Non Anti Static	Ea	FES452879	
Festool Vacuum Hose Dia 36 x 3.5mtr Non Anti Static	Ea	FES452881	
Festool Vacuum Hose Dia 36 x 5mtr Non Anti Static	Ea	FES452883	
Festool Professional Cleaning Kit D27/D36 P-RS	Ea	FES492390	
Festool Workshop Cleaning Kit D36-WB-RS-Plus	Ea	FES497701	



## DUST EXTRACTION

### Cleaning set, D 27 / D 36 D-RS

FES492392\*

Crevice nozzle D 36 FD-210; upholstery nozzle D 36 PD; suction brush D36 SP



### Standard cleaning set, D 27 / D 36 S-RS

FES492389\*

Hand pipe, bent D 36 HR-K, 3 extension tubes D 36 VR-K, floor nozzle, 4-piece D 36 BD270, crevice nozzle D 36 FD-210, upholstery nozzle D 36 PD



### Compact cleaning set, D 27/D 36 K-RS-Plus

FES497697

Curved hand tube D36 HR-K, 3 extension tubes D36 VR-K, floor nozzle 4-piece D 36 BD270, crevice nozzle D 36 FD, upholstery nozzle D 36 PD in a SYSTAINER SYS I T-LOC



### Cleaning set for the workshop, D 36 WB-RS-Plus

FES497701

Antistatic suction hose D 36 x 3.5m-AS, curved hand tube D 36 HR-M, 3 extension tubes D 36 VR-M, floor nozzle D 36 BD370 in a SYSTAINER SYS 5T-LOC



### Floor nozzle, D 36 BD 270

FES452906\*

For D 27/D 36; 4 pieces, plastic, with 3 replaceable inserts (brush insert, tile cleaning insert, carpet cleaning insert)

Width 270mm





## DUST EXTRACTION

### Y-piece, antistatic

FES452898

For D50/D 36/D 27, adapter with bypass function for increasing air throughput for DTS/DS/RTS/RS 400 and ETS/ES 125



### Cleantec Filter

FES496172

For CT 26/36/48, for CT AC and VCP, main filter optimised for self-cleaning, in carton



### Reducing Sleeve

FES498528

For suction hose D 36, for reducing to D 27 (on the power tool side)



### Filter Bag

FES769136

For CT 17 E, VCP 170 E, VCP 171 E-L, double-wall



### Suction brush, D 36 SP

FES440404\*

For D 27/D 36; Plastic  
Diameter 70mm



## KA65 Set Contour Edge Bander



### Edge Banding Machine Models

- Versatile and easy to operate
- Tape Width 18>65mm  
Thickness 0.5>3.0mm
- Concave and convex shapes
- Can be used as a stationary unit

Complete with Guide Table, 4 ea natural EVA adhesive, in a Systainer 4T loc. Accessory set includes-- Edging holder, additional roller, trimming machine, scrapper, base runner scratch protector with 3 felt pads, 5 polishing felts, 20 abrasive sheets stick fix Brilliant 80x133 P320, hand sanding block 80x133mm, 5 sanding cloths, 800 and polish

### KA65 PLUS CONTOUR EDGE BANDER SET

**KA65 Plus Contour Edge Bander**  
FES574610

**KA65 Plus Contour Edge Bander Set**  
FES574617



## ACCESSORIES SET FOR FINISHING EDGES PERFECTLY

### Scraper

FES499749

ZK HW Dimensions 45 x 45 x 1.2cm 1.0 mm - 1.5mm - 2.0mm radius



### Adapter Plate

FES500175

AP-KA65 for using the CONTURO as a stationary machine. Complete with additional roller, and 15 guide plates. Length 254mm width 420mm swivel range 0-47deg



### Perforated Board

FES500366

KA 65 LP- MFT/3 for stationary use of the CONTURO in the MFT. For use in combination with adapter plate AP-KA65. Includes M4 reducing rings for attaching guide plates.



### MFT Multifunction Table

FES500608

With perforated top, folding legs. Basic- Excludes accessories



### MFT / 3 KA65

FES500869

With FES500366 perforated top and FES500175 Adaptor

### Natural EVA Adhesive pellet

FES499812 - Box 48 pellets

FES499812S - Single pellet

63 x 26mm, processing temperature 190 degree.



### White EVA Adhesive pellet

FES499813 - Box 48 pellets

FES499813S - Single pellet

63 x 26mm, processing temperature 200 degree.



## Alucobond Machining

### The professional for aluminium composite panels.

When fitting facades at trade fairs, it may occasionally be necessary to cut aluminium composite panels. Festool developed this specialist tool based on awareness and knowledge of tool requirements. The PF 1200 aluminium composite milling machine is extremely precise and manoeuvrable.

PF 1200



- Robust machine for fast precision routing.
- In Alucobond panels.
- V-Groove cutting wheel.
- 90°
- D3 feeder roller
- **Power: 1,200w / Weight: 5.4kg**

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With **Systainer** storage case.      FES574389

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*Setting gauge for guide rails (Guide rail not included).*

ACCESSORIES

**Cutting Wheel for Aluminium  
HW118 x 14-90°**  
FES491470



**Cutting Wheel for Aluminium  
HW118 x 18-135°**  
FES491471



**NOTE: These blades are reusable.**

The PF 1200 aluminium composite milling machine is the perfect solution for anyone working regularly with aluminium composite panels. It makes groove cutting really easy, even on building sites. Precise, neat and quick – a faultless V-groove is produced on the guide rail thanks to the proven Festool plunge-cut principle and guide rail system.



Maximum chip extraction with a 36mm suction hose and a Festool mobile dust extractor.



Blade cutters and feeler rollers can be replaced allowing you to adapt the PF 1200 to different material thicknesses.



The technology of the PF 1200 makes it ideal for routing the edge of many different materials, for example Dibond or Alucobond.



The feeler roller ensures precise routing depths. The router can only plunge into the material as far as the feeler roller allows.

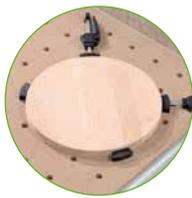
## Multifunction Table

**For some people, simply a table. For others, the most versatile work bench in the world.**

The new MFT 3 is a lot more than just a table. With its wide range of practical accessories, such as the guide rail and mitre guide, this sturdy work bench makes precision work a matter of course. A range of clamps are available to secure most any workpiece and the optional MFT extension enables you to use the MFT as an extended support table for your CMS modules. Since it's part of the Festool system, the new VAC SYS workpiece clamping system and many CMS accessories can be used directly on the MFT 3. In short: a table with unlimited possibilities.

### Clamping difficult shapes.

A variety of clamps provide smaller workpieces with the support required for safe and precise processing.

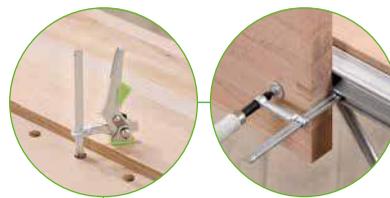


### Use of the guide rail.

The guide rail support is used to set the guide rail for different material thicknesses.

### Horizontal and vertical clamping.

Using clamps on the perforated top and/or profile section, the workpieces can be secured at any point, simply and firmly.



### Compatible with CMS due to V-profile.

The new rails incorporate the Festool V-profile, so it's compatible with many accessories of the Compact Module System.

### Ideal work height.

With a work height of 90 cm, the MFT 3 also permits taller users to work ergonomically in a manner that prevents back pain.



### Optimised system connection.

The MFT 3 extension enables you to use all CMS modules for sawing, routing and sanding.



### Ready for use everywhere.

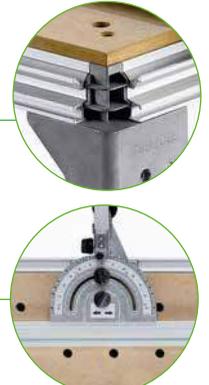
The foldaway legs of the MFT 3 allow it to be folded away to save space and for transport.

### Impressive stability.

The additional cross braces make the MFT 3 even more stable and can be folded in easily for transportation.

### Precise results.

Workpieces can be positioned exactly with the mitre guide. The slide stop makes exact repeated cuts easy. Absolute precision is also guaranteed by the V-profile clamp, with which the sliding fence is secured to the V-profile.



MODEL	DESCRIPTION	PART NO.
Multi Function Table MFT 3	Table with perforated top and foldaway legs, mitre guide, FS 1080/2 guide rail, hinged rail adapter, rail support adapter, adjustable stop, fence support clamp, FS-AW deflector in carton.	FES495315 FES500608

### MULTIFUNCTION TABLE ACCESSORIES

#### Fastening Clamps

- solid steel 120mm pkt 2 FES489570
- solid steel 300mm pkt 2 FES489571

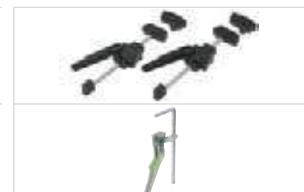


#### Fixed Clamps

- pkt 2 FES488030

#### Lever Clamp

- solid steel 160mm each FES491594



## Cordless Drilling and Screwing

**EC-TEC motors are brushless and therefore free from wear.** You'll be impressed by their efficiency and amazing power.

The mode switch really saves time – it allows for **instant switch-over between drilling and fastening**, without adjusting the torque setting.

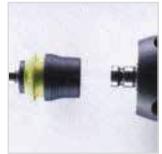
The practical, convenient magnetic bit holder provides space for up to four bits.



**Electronic motor management** guarantees the longest service life – microprocessors monitor and control the temperature, voltage and current consumption of the motor, electronics and battery.

The light, compact form, the slender softgrip handle and the perfectly balanced design ensure that work goes easily and comfortably.

The FastFix interface is the key to the CENTROTEC quick change system and all FastFix adapters. All other types of bits can be used with the standard chuck.



### CXS, TXS CORDLESS DRILL SETS



#### CXS Mini Drill / Driver

- 1,200 rpm with unique CENTROTEC system, it is smaller, lighter and faster to use.
- Easy access into tight areas with angle attachment. (Optional)
- Get screws flush with sensitive speed control in trigger



#### CXS Plus in Systainer

FES564540

- 10.8 V, 2.6Ah
- Drilling wood/steel 12/8mm
- 0.9kg inc battery

Includes: keyless chuck BF-FX8, 2 batteries, Centrotec chuck WH-CE, PZ 2 bit and bit holder and angle Attachment (49795 I)

TXS FES564516



#### Angle Attachment

FES49795 I

(included in set)



## DRILLING AND SCREWDRIVING

### Cordless drill, C 18 Li-Basic

FES574737

CENTROTEC tool chuck; CENTROTEC bit holder; FastFix keyless chuck 13mm; bit PZ 2; 49 x 98 x 71 yellow plastic container; 98 x 147 x 71 green plastic container; without battery pack; without charger in a SYSTAINER SYS 2 T-LOC



Battery packs and Accessories

### BPC 18 Li 5-2 Ah

FES200181

Lithium-ion spare battery pack for the C18 Li, T 18+3, BHC 18, DWC 18 and DRC/PDC 18; compact, lightweight design



### Charger, TCL 6 AUS 240 V

FES201137

Replacement charger for cordless drills C 12, TDK 12, T 12+3, C 15, TDK 15,6, T 15+3, TI 15, T 18+3, BHC 18, PS(B)C 400/420, TSC 55, DRC 18/4, DWC 18-2500 and DWC 18-4500; charger for Nicd, NiMH and lithium-ion battery packs

Charging current 3.0 A; Input voltage 220-240 V  
SCA 8 FES200312



### Cordless drill, T 18+3 Li-Basic

FES574763

CENTROTEC chuck; CENTROTEC screwdriver bit holder; FastFix keyless chuck 13mm; bit PZ 2; plastic container 98 x 147 x 71 green; battery pack not included; without charger in a SYSTAINER SYS 2 T-LOC

Order battery pack & charger separately



### Cordless drill QUADRIVE, DRC 18/4 Li-Basic

FES574695

CENTROTEC chuck; CENTROTEC screwdriver bit holder; bit PZ 2; FastFix keyless chuck 13mm; additional side handle; battery pack not included; without charger; rubberised frame for battery packs in a SYSTAINER SYS 2 DF T-LOC

Order battery pack & charger separately



## DRILLING AND FASTENING

Cordless hammer drills PDC

**Cordless impact drill QUADRIVE, PDC 18/4 Li-Basic**  
FES574701

CENTROTEC chuck; CENTROTEC screwdriver bit holder; bit PZ 2 ; FastFix keyless chuck 13mm; additional side handle; battery pack not included; without charger; rubberised frame for battery packs in a SYSTAINER SYS 2 DF T-LOC

Order battery pack & charger separately

FES200181 Battery 18 Li 2.6 AH  
FES201137 Battery Charger



Cordless rotary hammer drill BHC 18

**Cordless rotary hammer drill, BHC 18 Li-Basic**  
FES574723

Additional side handle; depth stop; battery pack not included; without charger; 2x rubberised frame for battery packs in a SYSTAINER SYS 2 T-LOC

Order battery pack & charger separately

FES200181 Battery 18 Li 2.6 AH  
FES201137 Battery Charger



Cordless drywall screwdrivers

**Cordless construction screwdriver DURADRIVE, DWC 18-2500 Li**  
FES574742

Magazine attachment; depth stop; belt clip; scaffolding holder; magnetic bit holder; 1 bit PH2, long; with rubber frame; excludes battery pack & charger in a SYSTAINER SYS 2 T-LOC

Order battery pack & charger separately

FES200181 Battery 18 Li 2.6 AH  
FES201137 Battery Charger



**Cordless construction screwdriver DURADRIVE, DWC 18-4500 Li**  
FES574747

Magazine attachment; depth stop; belt clip; scaffolding holder; magnetic bit holder; 1 bit PZ2, 1 bit PH2, long; with rubber frame; excludes battery pack & charger in a SYSTAINER SYS 2 T-LOC

Order battery pack & charger separately

FES200181 BPC 18 Li Battery  
FES201137 Battery Charger



## Cordless Drilling and Screwing

		CORDLESS DRILL ACCESSORIES
Centrotec Tool Chuck	FES492135	
13mm Keyless Chuck	FES769067	
FastFix 90° angle adaptor, Fast Fix, ForT, C	FES490293	
Angle Drilling Attachment for DRC, PDC etc	FES769097	
FastFix eccentric offset adaptor	FES490294	
FastFix depth stop DD-DC	FES493539	
Hexagon bit holder, Magnetic	FES498974	

		ACCESSORIES FOR DRILLING AND SCREWING
<p><b>Accessories for Cordless Rotary Hammer Drill BHC 18</b> FES500483</p> <p><b>Drilling dust nozzle, D 27-BSD</b> -For BHC 18, PDC 18, PD 20 and mobile dust extractors CT/CTL/CTM; drilling sleeve made from nickel-plated steel; fits all common industrial and household vacuum cleaners/dust extractors; exception: if the vacuum/extractor has auto filter cleaning, it must be switched off; adapter with flexible application Connector Ø 27-32mm; Bit Ø 0-12mm</p>		

## Storage Systems – Systainer, Sortainer

### Systainer Storage Systems

A revolutionary system for organising, packing, and transporting tools, accessories and consumables, all rolled into one so you have the right tools on the job.

- More time working, less time searching leads to greater efficiency and profitability.
- Gives a professional appearance to customers.
- Modular systems stack and latch together for easy transportation.
- Robust design ensuring long life.
- Carry handles tested up to 200kg.



**Stability.**  
An intermediate base reinforced with aluminium profiles and a honeycomb structure ensures maximum robustness.

**Many variations.**  
The SORTAINER is available in many versions, eg. with 12 small drawers. Or 6 small and 3 medium drawers. Or...

**Access from both sides.**  
All parts are instantly accessible from both sides.

**Stystainer Port.**  
This mobile storage system can be adapted to SYSTAINERS of any size. SYSTAINERS and SORTAINERS can be stored safely, while at the same time saving space. Stationary or mobile on wheels.

**Rolling base.**  
Upwardly mobile – the rolling base allows quick transportation from one location to the next, at your workplace or on the construction site (available as an accessory).

**Flexible arrangement.**  
Flexible, individual arrangement of drawers and compartments by inserting dividers.

**Pull-out lock/ Individual locking.**  
These features prevent the drawers from being removed or falling out unintentionally.

**Latching system.**  
SORTAINERS can be attached to a CT mobile dust extractor, a SYSTAINER or even to one another.

### Sortainers with dividable draws

MODEL	DIMENSIONS	DESCRIPTION	PART NO.
SYS3/4	395 x 295 x 210	Draws – 2 small, 1 medium, 1 large. 8 dividers each 8 labels.	FES491522
SYS3/6	395 x 295 x 210	Draws – 6 mid size, 12 dividers 8 labels.	FES491984
SYS3/9	395 x 295 x 210	Draws – 6 small, 3 medium, 18 dividers, 16 labels.	FES491985
SYS3/12	395 x 295 x 210	Draws – 12 small, 24 dividers, 16 labels.	FES491986

## Storage System Solutions

### A Solution for every need



#### Organised and Professional

Tools, accessories and supplies are well protected and neatly stored - helping you make the best possible impression with your customers



#### Easy transportation

Organising, packing and transportation is all easy with the Festool storage system - connect systainers together and transport on a cart or trolley



#### Your perfect solution

Spend more time working and less time searching!  
Get organised fast with the large range of Festool Systainers



#### Durable and Robust

Made of durable, robust, high quality ABS for long service life. All Systainers share an identical footprint for easy stacking, storing and transporting.

## Storage System Solutions

### Container Box Set



Plastic containers and compartment dividers for individual drawer partitions  
 -8 x plastic containers 60x60x71 mm  
 -4 x plastic containers 60x120x71 mm  
 -3 x compartment dividers, 2 stabilising pads



Three drawers each with a capacity of 6.7 litres can be set up and divided individually with plastic containers and partitions; connects to all T-LOC and classic systainers, sortainers and cleantec mobile dust extractors

FES200119 **SYS 4 T-LOC Sort 3**  
 (396 x 296 x 332, weight 5.7kg)

FES201124 Plastic container box Set 60x60/120x71 3xFT



### Container Boxes

Plastic container box 60x60x71/6 SYS-SB FES500066  
 Plastic container box 60x120x71/4 SYS-S FES500067  
 Plastic container box 180x120x71/2 SYS-SB FES500068



### SYS-Combinations

Combination of classic systainer and a handy bottom drawer; the drawer can be divided flexibly for accessories, consumables, small parts and sundries

FES200117 **SYS-Combi 2**  
 (size: 396 x 296 x 263, Weight 3.2kg)

FES200118 **SYS-Combi 3**  
 (size: 396 x 296 x 315, Weight 3.5kg)



### Pull Out Shelf SYS-AZ Set

Easy pull out drawers suitable for setting up your own systainer arrangement. Simply install a 32mm hole pattern.

FES500692 **Single Drawer**  
 FES500767 **5 x Drawer**  
 FES500693 **Key & Lock**



FES495020 **Trolley for SYS I-5 T-Loc Systainer**



## STORAGE SYSTEM SOLUTIONS

### SYS Storage Box

FES499901

This systainer is designed with individual configuration in mind providing organisation, clear overview and flexible modules for all applications. Save time, effort and expense by using this simple and easy to transport storage solution.

Dimensions (LxWxH) 396 x 296 x 167mm



### Systainer SYS MFT

FES500076

#### Versatility

A truly versatile work surface with 13 clamping points, integrated V-groove channel, and anti-skid strip provides multiple ways to secure virtually any material

#### Functionality

Store, transport and protect your essential items while also keeping on hand an extremely adaptable clamping platform and work surface. Part of the broader system, it works with Screw Clamps, Quick Clamps, and Clamping Elements, helping you do more with less

#### Portability

Durable and functional, the SYS-MFT connects to Systainers and CT Dust Extractors to go everywhere you need it. The SYS-MFT is the ultimate go-anywhere work surface

Dimensions (LxWxH) 396 x 296 x 105mm



### Systainer with insert for Hand Tools SYS - HWZ

FES497658

Dimensions (LxWxH) 396 x 296 x 315mm



### Systainer T-LOC, SYS I VARI

FES497693

With single diced foam insert to produce an cut-out of any desired shape SYSTAINER size SYS I T-LOC



### Systainer SYS I Box

FES497694

With individual removable plastic containers. Perfect for small bits and pieces



## STORAGE SYSTEM SOLUTIONS

### Systainer SYS 1 TL

FES497563

Dimensions (LxWxH) 396 x 296 x 105mm



### Systainer SYS 2 TL

FES497564

Dimensions (LxWxH) 396 x 296 x 157.5mm



### Systainer SYS 3 TL

FES497565

Dimensions (LxWxH) 396 x 296 x 210mm



### Systainer SYS 4 TL

FES497566

Dimensions (LxWxH) 396 x 296 x 315mm



### Systainer SYS 5 TL

FES497567

Dimensions (LxWxH) 396 x 296 x 420mm



### Systainer SYS 1 TL-DF

FES497851

Dimensions (LxWxH) 396 x 296 x 105mm wid lid compartment



## STORAGE SYSTEM SOLUTIONS

### SORTAINER

#### **SYS 3-SORT/4**

FES491522

2 small drawers; medium drawer (L x W x D) 255 x 165 x 30mm; large drawer (L x W x D) 255 x 348 x 85mm; 2 dividers per drawer; 8 label holders; 8 labels



#### **SYS 3-SORT/6**

FES491984

6 medium drawers (L x W x D) 255 x 165 x 30mm; 2 dividers per drawer; 8 label holders; 8 labels



#### **SYS 3-SORT/9**

FES491985

6 small drawers (L x W x D) 255 x 75 x 30mm; 3 medium drawers (L x W x D) 255 x 165 x 30mm; 2 dividers per drawer; 9 label holders; 16 labels



#### **SYS 3-SORT/12**

FES491986

12 small drawers (L x W x D) 255 x 75 x 30mm; 2 dividers per drawer; 12 label holders; 16 labels



#### **Systainer SYS 2 TL-DF**

FES497852

Dimensions (LxWxH) 396 x 296 x 157.5mm



#### **SYSTAINER T-LOC, SYS-OF D8/D12**

FES497695

With foam insert; for safe storage of cutters D 8, D 12  
In a SYSTAINER SYS 1 T-LOC



#### **SYSTAINER T-LOC, SYS 2 VARI**

FES497696

With diced foam insert to produce a cut-out of any desired shape  
SYSTAINER size SYS 2 T-LOC





## STORAGE SYSTEM SOLUTIONS

### SYS-Tool Box

#### SYS-TB-1

FES495024

For practical transport of hand tools, supplies or accessories

Dimensions (LxWxH) 396 x 296 x 150mm



#### SYS-TB-2

FES499550

For practical transport of hand tools, supplies or accessories

Dimensions (LxWxH) 396 x 296 x 257mm



#### SYS-ETS/ES 150

FES497660

For ES 150, ETS 150. SYS 3 T-LOC



#### SYS-TS 55

FES497681

For TS 55 and TS 55 R. SYS 5 T-LOC



### SYSTAINER with insert for abrasives

#### SYS-STF-D77/D90/93V

FES497687

With insert for Ø 90mm abrasives and 93V abrasives



#### SYS-STF-D125

FES497685

With insert for abrasives Ø 125mm



#### SYS-STF-D150

FES497690

With insert for abrasives Ø 150mm



#### SYS-STF-D150 4S

FES497821

With insert for abrasives Ø 150mm; for grits P80, P180, P280, P400 and P500 in accordance with Festool "Sanding in 4 steps" system

## STORAGE SYSTEM SOLUTIONS

Foam inserts for SYSTAINER

**Foam insert, SYS-VARI SE TL**

FES497877

For SYS 1-5 T-LOC; dimpled insert (for lid), base insert and diced insert  
qty. in pack 3 piece(s)  
in a bag



Universal and deep-drawn inserts for SYSTAINERS

**Multi-purpose insert, TZE-UNI SYS-MINI**

FES491634

For SYS MINI  
in a bag



Other T-LOC SYSTAINER Accessories

**Side handle, ZSG-Sys 1/2 TL/I**

FES497856\*

For upright support of SYS 1 T-LOC and SYS 2 T-LOC



Guide rail accessories-Systainer

**Accessories set, FS-SYS/2**

FES497657

2 clamps FSZ 120; FS-AW deflector; combination angle FS-KS; set-back stop  
FS-RSP; 2 connecting elements FSV; splinter guard FS-SP 1400  
in a SYSTAINER SYS 1 T-LOC



**SYS Roller Trolley**

FES498660

Perfect for transporting a stack of systainers up and down stairs. Easily steerable  
in all directions. Carries up to 100kg



Accessories for T-LOC SYSTAINER

**Box 49x49/12 SYSI TL**

FES498038\*\*

For SYS 1 box, T-LOC; red 12 Pieces



**Box 49x98/6 SYSI TL**

FES498039\*\*

For SYS 1 box, T-LOC; yellow 6 Pieces



## Stirring and Mixing



### MX STIRRERS

#### 1020W Stirrer

- Rated Output - 1020W
- No Load Speed: 360 - 650 rpm
- Rod Holder: M14 Ergo Fix
- With HS3 120 x 600 R M14 rod

POWER	WEIGHT	DESCRIPTION	PART NO.
1020W	4.5kg	Stirrer dia: 120mm MX1000	FES574791



#### 1500 W, 2 Gear Strirrer

- Rated Output - 1500W
- No Load Speed
- 1st Gear 150-300rpm
- 2nd Gear 320-650rpm
- With HS3 160 x 600 R M14 rod

POWER	WEIGHT	DESCRIPTION	PART NO.
1500W	6.4kg	Stirrer dia: 160mm MX1600/2	FES574795



## Compact Modular System

### A complete tool system within 0.5m<sup>2</sup>.

Creating complex workpieces requires numerous hand movements and a well-equipped workshop, which is what the unique Compact Module System CMS by Festool offers you. A surface area of only 0.5m<sup>2</sup> provides space sufficient for a wide range of applications, and whether you are sawing or routing, anything is possible with this elaborate, flexible system. The Festool Multi Function Table, enables a wide range of machines to be used, achieving a well equipped workshop in a minimal space.

#### BENCH SAW SET



TS 55 Plunge cut saw, Module mounting plate, Sliding table, protective cover, clamp for switch and riving knife, cutting depth adjustment, fixing clamps, angle stop, measuring tape. Basic unit for accommodating the CMS Modules. Stand with foldaway legs, Main safety switch, Cable and socket on cord re-winder. Includes portable stand unit.

FES561524

#### C.M.S. BASIC STAND



Basic unit for accommodating the CMS Modules. Stand with foldaway legs, Main safety switch, Cable and socket on cord re-winder.

FES561230

#### MODULE SUPPORT ONLY - TS 55 PLUNGE SAW



Module support, Protective Cover, fixing clamps, Cutting depth adjustment, measuring tape clamp for switch and riving knife, angle stop.

FES493359

#### COMPACT MODULAR SYSTEM



Router module assembly to suit OF 1010, OF 1400, OF 2200. Max cutter dia 60mm – dimensions 578mm x 320mm. Accessories includes router stop, press down fixture and guard.

FES570251

## Compact Modular System

### BENCH SAW MODULE – TS 75 PLUNGE SAW



TS75mm Plunge cut saw, module support, Protective Cover, fixing clamps, cutting depth adjustment, clamp for switch and riving knife, angle stop, measuring tape, kick back stop.

Module support, Protective Cover, fixing clamps, Cutting depth adjustment, measuring tape clamp for switch and riving knife, angle stop.

FES493360 Table only TS 75

### PROFILE JIGSAW MODULE



PS200/PS300 Pendulum jigsaw, Module support, Assembly lugs.

FES561262 Table only

### BELT SANDER MODULE – BS 120



Fixed belt sander and module, dust extraction, Hood, connecting hose, angle stop, sanding belt.

FES570244

### PLUG IT - SYSTEM

**Plug it-cable, H05 BQ-F/4 AUS** FES489659\*

Rubber insulated, length 4m

**Plug it-cable, H05 BQ-F 2x1,0 4m AUS** FES496655\*

**Plug it-cable, H05 BQ-F/7,5 AUS**

Rubber insulated, length 7.5m FES489660\*

**Plug it-cable, HEAVY-DUTY 2x1 4m AUS/3x** FES500399\*

Rubber insulated cable, length 4m, qty. in pack 3 piece(s)



# POWERSELECT

160mm Circular Saw  
| HKC 55 201358



D-Handle Jigsaw  
| PSBC 420 201379



Barrel Grip Jigsaw  
| PSC 420 574713



160mm Plunge Saw  
| TSC 55 201395



Rotary Hammer  
| BHC 18 574723



18V / 5.2Ah

Customise your kit  
for what you need

- Choose any *Power Select* skin(s)
- add batteries if needed
- add a charger if needed
- customised kit in Systainer!



Battery  
| BP18 5.2 200181

Charger  
| 201137 TCL 6 OR  
200312 SCA 8



Customised Set



Screw Driver  
| DWC 18-2500 574742  
| DWC 18-4500 574747



Drill/Driver  
| T18 574763



Drill/Driver | C18 574737



Drill/Driver  
| DRC 18 574695

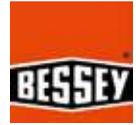


Hammer Drill  
| PDC 18 574701

## 10 Bessey Hand Held Clamping

<b>TG Series Screw Clamp</b>	10-1
<b>Klik Clamps</b>	10-2
<b>K Body Clamps</b>	10-2
<b>Edge Clamps</b>	10-3
<b>Band Clamp</b>	10-3
<b>Seaming Clamp</b>	10-3
<b>Multi Angle Clamp</b>	10-4
<b>Irregular Clamp</b>	10-4
<b>Vise Clamp</b>	10-4
<b>Clamps and Vices</b>	10-5

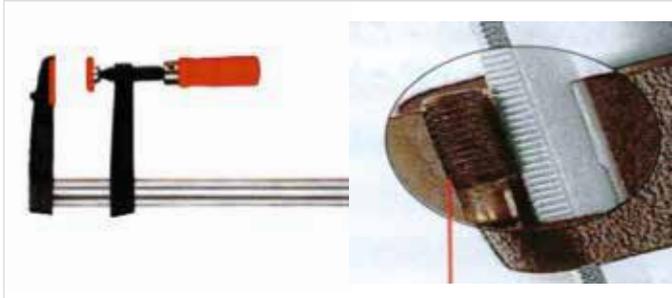




## Bessey Clamps

German Quality and Performance – Clamping Technology refined over 100 years.

### TG SERIES SCREW CLAMPS



#### Positive Interlocking feature makes this our most popular Clamp

- Unique Locking Device – The thread of the stud bolt locks into the teeth of the rail when the arm tilts.
- Plastic Protection Caps can be removed for use on steel.
- Tilting pressure pad.
- Comfortable wooden handle.
- Clamping force up to 6,000N.
- Stable profiled rail with serration – resistant to torsional forces.
- Anti Slip system for maximum safety.
- Designed for continuous use.

These clamps are the glue-up work-horses for most woodworkers. They are incredible strong and can apply tremendous clamping pressure without distorting unlike cheap, light-duty home-centre look alikes. Quickly adjustable by simply sliding the moveable jaw along the bar, it locks in position as soon as clamping pressure is applied. Hardened, serrated (on 6 sides) steel rails and a patented locking device (grub screw) provide for adjustment after even years of hard usage. Malleable iron jaws provide more strength than ordinary cast iron jaws and the oversize, comfortable wooden handle allows you to apply the clamping pressure you need.

OPEN LENGTH x THROAT DEPTH	PART NO
100 x 50mm	BESTG10
160 x 80mm	BESTG16
200 x 100mm	BESTG20
250 x 100mm	BESTG25S10
300 x 120mm	BESTG30S12
300 x 140mm	BESTG30S14
400 x 120mm	BESTG40S12
400 x 140mm	BESTG40S14
500 x 120mm	BESTG60S12
600 x 140mm	BESTG60S14

### SLIDING ARM STEPOVER CLAMPING



- Clamping force up to 1,500 N
- Step-over clamping
- Comes with two protective caps
- Small and easy to handle
- Light Weight

#### Light duty bar Clamp U-style

##### - Step-over clamping U-shape

The rail is made of quality steel drawn in a single piece for durability and strength. The U-shape of the rail enables step-over clamping upto 20mm so you can get to those hard-to-reach places.

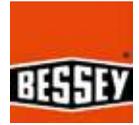
##### - Sliding Arm

The sliding arm is made of die-cast zinc. It is light, stable and break resistant.

##### - Protective Caps

Particularly sensitive workpieces are effectively protected thanks to the protective caps. For all-round gentle clamping.

OPEN LENGTH x THROAT DEPTH	PART NO
100 x 50	BESLMU10/5
150 x 50	BESLMU15/5
200 x 50	BESLMU20/5



## Bessey Clamps

### KLIIK CLAMPS

#### One Handed Lever Clamps

- Opening: 160mm, 250mm.
- Throat opening: 80mm.
- German quality.
- Magnesium jaw.
- Glass-fiber reinforced polyamid lever.
- World famous Bessey steel rail.
- Vibrafix ratchet mechanism.
- Ideal for assembly work .
- Light weight – quick release.
- Clamping force up to 1,200N.



From a “light as a feather” touch, to a grip of an eagle’s talon... always the right pressure – up to 330lbs. The Klik clamp’s ratchet action resists vibration – the perfect clamp around power tools. Quick clamping, quick release... on virtually any shape.

OPEN LENGTH	THROAT DEPTH	PART NO.
160	80	BESKLI16
250	80	BESKLI25

### BESSEY QUICK CLAMP & SPREADER



- EZ: Clamping force up to 700 N/
- EZS: Clamping force up to 2,000 N
- No tools required for spreading thanks to intelligent release mechanism in upper section
- Ergonomically shaped 2-component plastic handle behind the rail
- One-handed operation with little effort required
- On carded hang pack

OPEN LENGTH x THROAT DEPTH	PART NO
150 x 80	BESBEZS15-8
300 x 80	BESBEZS30-8
450 x 80	BESBEZS45-8
600 x 80	BESBEZS60-8
900 x 80	BESBEZS90-8

### K BODY CLAMPS

#### Clamping and Spreading

- Large flat jaw faces, remain parallel under load ensuring workpiece clamps up square.
- Head can be reversed, converting to a spreader clamp.
- Clamping force up to 5,000N.
- Special steel inserts in both jaws provides the requisite strength to exert high clamping pressures.
- Four hardened rollers maintain a constant right angle between the shaft and the sliding arm.
- Cold drawn hollow profile rail, optimised for high static stress loadings, serrated on six faces, electrogalvanised.
- Casings made of super polyamid, unbreakable, glue-repellent, resistant to paints and grease-solvents; with large flat jaw faces for gentle, parallel clamping, without spacers over the entire length of the rail.
- Sliding arm made of special zinc alloy by the die casting method to precise dimensional and angle tolerances, electrogalvanised.
- Spindle with acme thread, rolled, work hardened, wear resistant, with browned; smooth action.
- Ergonomic wooden handle, flush riveted to spindle.



**Non Slip mechanism – two grub screws in sliding arm engage the serrated rail when the arm is inclined, ensuring the utmost security. No slipping or loosening.**

Features precision guided jaws with large, flat faces, making it particularly useful in situations where parts (even of a vulnerable nature) are required to be clamped together at right angles. It is particularly suitable for use with wood, plastics and light metals. Thanks to its special clamping mechanism, which prevents any twisting or tilting movements, and the precision guidance of the sliding arm by means of hardened rollers, the two jaws stay parallel in every position, thereby ensuring that clamped parts are consistently secured at right angles.

OPEN LENGTH	THROAT DEPTH	PART NO.
300	85	BESK30
600	85	BESK60
800	85	BESK80
1,000	85	BESK100
1,250	85	BESK125
1,500	85	BESK150
2,000	85	BESK200
2,500	85	BESK250



## Bessey Clamps

### EDGE CLAMPS

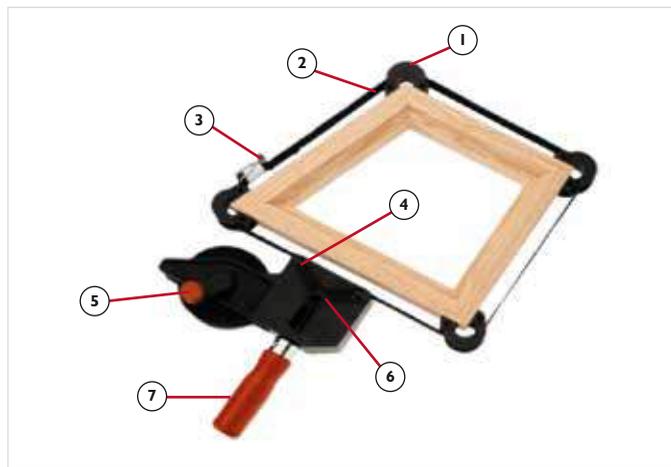


- Ideal for attaching edge strips on straight and curved edges.
- Attach to rail of standard clamp.
- Quickly converts most standard bar clamps to a three-way edge clamp – ideal for edge gluing, such as applying wood trim to counter tops. Contains protective caps to protect the work surface.

These clamps are the glue-up work-horses for most woodworkers. They are incredible strong and can apply tremendous clamping pressure without distorting – unlike cheap, light duty home-centre look-alikes. Quickly adjustable by simply sliding the movable jaw along the bar – it locks into position as soon as clamping pressure is applied. Hardened, serrated steel rails and a patented locking device provide for adjustment after even years of hard usage. Malleable iron jaws provide more strength than ordinary cast iron jaws, and the oversize, comfortable wooden handle allows clamping pressure you need. Made in Germany.

DESCRIPTION	PART NO.
Single spindle	BESKT5-1
Twin spindle	BESKT5-2
One Hand Edge Clamps	BESEKT55

### BAND CLAMP



1. Corner clip with cario-angle swivel pads – clamps any and all angles from 60° to 180° – four clips are included with the clamp. Extra clips can be purchased separately, 6 to a package.
2. Specially woven 23ft polyester strap – for up to 1,100lbs tensile strength with minimal stretch... there's nothing on the market even close for the cost.
3. Strap lock – easy to use mechanism releases and locks strap around awkward or large assemblies.
4. Glass-fiber polyamid case and corner blocks – for light weight and high strength.
5. Strap winder – excess strap conveniently stored on spool – keeps strap tangle free and out from under you feet. Crank can be mounted on either side for left or right hand rewinding.
6. Feared winder allows for precise adjustment – tightens strap evenly from both sides for distortion-free clamping.
7. Ergonomic handle – is designed for maximum torque when cranking the strap tight... like all Bessey clamps, large acme thread means more power with less cranking.

**PART NO.**  
BESBAN700

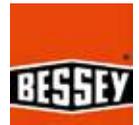
### SEAMING CLAMP

- Twin suction pads for clamping smooth surfaces such as ceramic, granite, Corian, plastic boards, glass, etc.
- Lever for compensating difference in height.

Bessey engineers have been working with solid surface manufacturers, fabricators and installers in North America to develop new tools to meet the specific demands of the industry.

**PART NO.**  
BESPS55





## Bessey Clamps

### ANGLE CLAMP

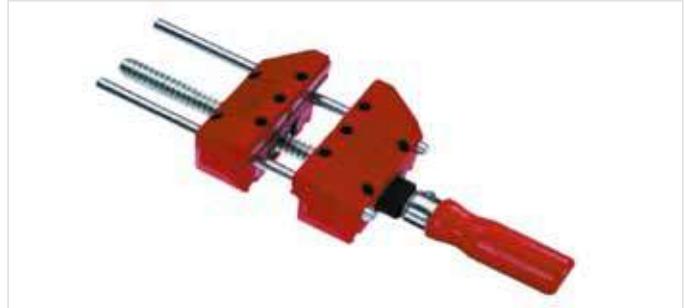


- Galvanised spindle with large acme thread.
- Accurate, durable, die cast jaws are plastic-coated to protect work.
- Open design allows ample clearance to screw, dowel or staple material together while gluing.
- Designed to always hold, fix and align material at a 90° angle.

These versatile clamps are designed to always hold, fix and align material at a 90° angle and adjust automatically to variations in wood thickness. Their accuracy makes them ideal for many applications including cabinet work, furniture assemble, framing and their compact size fits easily into a tool box for site work. Open design allows ample clearance to screw, dowel or staple material together while gluing. For assembly operations, primarily of parts made of wood, plastic or non-ferrous metals.

**PART NO.**  
BESWS3

### WISE CLAMP



- Removable galvanised guide bars, which when removed allow jaws to swivel accommodating irregular shapes.
- Galvanised spindle with large acme thread.
- Non-marring, glue-resistant jaws.
- Jaw opening – up to 100mm.

This clamp is a must for every toolbox as a portable vise or work hold-down fixture. Highly versatile, the S-10 is ideal for holding rounds, rectangles and odd-shaped objects. It's lightweight, sturdy construction makes this a great tool for home, cottage, hobby or recreational use... and is particularly suited to holding delicate mechanical parts or assemblies.

For parallel clamping with guide bars or angle clamping without guide bars. Easily secured to a worktop with two table clamps (supplied).

**PART NO.**  
BESS10

### IRREGULAR ANGLE CLAMP



This unique ball and socket system allows the application of direct pressure on nearly any irregular angle from 15° to 180°. The ES Set consists of two pressure caps and two clamping blocks with anti-slip, non-marring inlaid pads to protect delicate surfaces.

Set works with the Bessey TGK series.

**PART NO.**  
BESES

### MULTI ANGLE CLAMP PADS



- Floating pads tilt 60° inward or outward – ideal for clamping, aligning round, oval and angular pieces.
- Solves hard-to-clamp problems without damaging the clamp.
- Assembly swivels 360° or can be fixed.
- Easy installation and removal.
- Fits up to 2400 series clamps.

**PART NO.**  
BESVAD



## Clamps and Vices

### RECORD SASH CLAMPS



**Flat Bar**

CAPACITY	PART NO.
1,070	REC135/5
1,220	REC135/6
1,370	REC135/7
1,680	REC135/9



**T Bar**

CAPACITY	PART NO.
1,070	REC136/5
1,220	REC136/6
1,370	REC136/7
1,680	REC136/9



### BOX CLAMP KS



#### Features

- Clamping force up to 5,000 N
- Infinitely adjustable clamping jaws
- Clamp on angled and parallel surfaces

PART NO	OPENING (MIN/MAX)	THROAT DEPTH B
BESKS100	200-1000mm	16mm
BESKSV	Extension 1000	

### TOGGLE CLAMPS

#### Vertical Handle Toggle Clamps

MAX HOLDING CAPACITY	TABLE TO ARM HEIGHT	BAR OPEN	HANDLE OPEN	PART NO.
50kg	16mm	100°	56°	FOXGH-101-A
180kg	36mm	100°	60°	FOXGH-101-E
150kg	22mm	90-185°	75-110°	FOXGH-11502C
150kg	23mm	90-185°	75-110°	FOXGH-11502B
150kg	32mm	90-185°	75-110°	FOXGH-12502B

#### Horizontal Handle Toggle Clamps

MAX HOLDING CAPACITY	TABLE TO ARM HEIGHT	BAR OPEN	HANDLE OPEN	PART NO.
86kg	25mm	76°	94°	FOXGH-21502B
217kg	34mm	76°	94°	FOXGH-22502B



## II Lubricants/Protectants / Spare Parts

### II-1 Protectants

Bostik Topcote	11-1
Bostik Drycote	11-1
Blaster Dry Lube	11-1
Blaster Cut 'N Cool	11-1

### II-2 Lubricants

Penetrating Catalyst	11-2
XL Dry	11-2
Corrosion Stop	11-2
Lithium Grease	11-2

### II-3 4 Point

Cutting Grease	11-3
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### II-4 Spare Parts

	11-4
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## Bostik

We provide a large range of specialist sprays oils and greases to maintain your machinery and tools in the very best condition. When buying quality tools it pays to keep them in top working order. Always observe the label and use as directed.

### BOSTIK TOPCOTE

**Surface protectant and glide agent for all metal and cast top machinery.**

- Clean and easy to apply odourless product
- User friendly product with extremely low friction coefficient
- Creates a durable dry glide surface
- Clear pure non greasy coating 100% Teflon
- Quick drying with good resistance to corrosion and moisture from hands
- Completely free of CFC's petroleum and silicon
- Invisible lubrication for sliding doors
- For professional and domestic use



**PART NO.**  
BOSTOPCOTE

### BOSTIK DRICOTE

**Tooling spray for sawblades prevents resin build up.**

- Very economic forms a fine film which lasts for long periods.
- Removes and resists resin build up on tooling.
- Reduces friction and heat build up

**PART NO.**  
BOSDRICOTE



## Blaster

### BLASTER THE DRY LUBE

**Spray on all Surfaces requiring a Low Co-Efficient of Friction**

- Dry non staining PTFE lubricant
- Contains No silicone or petroleum oils
- Superior long-lasting lubrication
- Safe to use on plastics
- Economical and Effective



**PART NO.**  
BLAST16TDL

### BLASTER CUT 'N COOL

**Spray on all Cutting Tips**

- Extends the Tool Life of Saw blades- Carbide, Cutters and H.S.S bits.
- Reduces heat and Cutting Friction, from tool to Chip
- Protects, Coats and lubricates Tools when in use
- Reduces Resin build-up-increasing tool life.
- Rust Inhibitor
- 500ml 7%PTFE

**PART NO.**  
BLAST16CNC



## Blaster

### XL DRY LUBRICANT RELEASE SPRAY (PTFE)

- 500ml Aerosol Glide Agent
- Non-staining dry lubricant and release agent
- Reduces Friction
- Mould release
- Does not interfere with post-finishing operations, yielding paintable surfaces
- Contains no Silicone
- NZFSA approved



PART NO.  
BLAST16X2

### BLASTER CORROSION STOP

Spray on all Tooling to avoid Corrosion

- Rust is a killer on CNC - heads - collets - tooling
- Corrosion Stop provides the Ultimate protection
- Leaves a protective film on all metal surfaces
- Saves downtime in cleaning off rust prior to installing tooling



PART NO.  
BLAST16CSP

### BLASTER PENETRATING CATALYST

Penetrates to Break Free rusted and frozen joints

- Protects against further Rust and Corrosion
- Stops Squeaks and sticking problems
- Remains on the surface as an Lubricant
- Displaces moisture
- Made in USA



PART NO.  
BLAST16PB

### BLASTER WHITE LITHIUM GREASE

Lubricating Qualities of lithium greatly reduces friction between materials

- Great adhesion providing excellent lasting protection from Rust and Corrosion
- Low odour
- Clean White grease
- Suited to heavy duty Applications
- Cost 12-20



PART NO.  
BLAST16LG

## Blaster



### BLASTER CITRUS BASED DEGREASER

#### Edge Bander - Tool Holder Cleaner

- Fast acting Heavy Duty
- Removes-Resins, Inks, Grease & Oils, from virtually any surface
- 100% Natural - nature's strongest cleaner
- Bio Degradable - Dries residue free. ideal where different metals are exposed
- Also available in 1 ltr, 5 ltr and 20 ltr pails
- Made in USA



PART NO.  
BLAST16CBD



### BLASTER AIR TOOL LUBRICANT

- Lubricates and rust proofs
- Removes moisture
- Offers maximum tool performance
- Prevents unnecessary wear
- Protects tools against high speed and shock loads



PART NO.  
BLAST9860

## 4 Point



### CUTTING GREASE

#### The ultimate cutting grease for aluminium joiners.

Tube – 4 Point Lubricant

PART NO.  
HAK4POINT

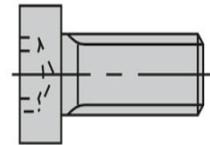


## Spare Parts

### Replacement Screws and Spanners – Suit Tooling Heads

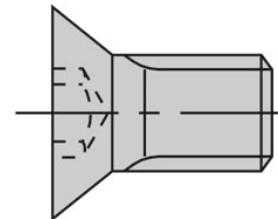
#### HEAD CAP SCREWS – TORX

DIMENSIONS	o.d.	DRIVER	PART NO.
M2.5 x 3	3.45	T8	LEU168237
M3 x 5.5	4.35	T8	LEU168239
M3.5 x 3.8	7.0	T15	LEU162645
M3.5 x 5.5	6.0	T15	LEU168236
M3.5 x 6.5	6.2	T15	LEU163223



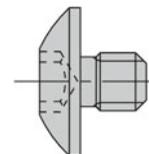
#### COUNTERSUNK SCREWS – WITH TORX

DIMENSIONS	o.d.	DRIVER	PART NO.
M5 x 10			LEU055881
M2.5 x 5.5		T8	LEU167486
M4 x 3.2		T9	LEU163925
M5 x 6.0	For Adjustable Heads	T20	LEU176199
M5 x 10.0		T20	LEU171236
M5 x 10.8	For Scribes on Amac Heads	T15	LEU180840
M5 x 12.0		T20	LEU166709
M5 x 12			LEU180007
M6 x 10.0		T20	LEU181244
M6 x 4.9		T20	LEU178222
M6 x 15	AMAC Spiral Heads (Standard)	T20	AMASPB-AO301



#### ROUND HEAD SCREWS – TORX

DIMENSIONS	o.d.	DRIVER	PART NO.
M3.5 x 4.0	9.0	T15	LEU168893
M3.5 x 12.0	9.0	T15 BUP TOOL	LEU171067
M4 x 5.9	9.0	T15 FITS LNBIDE TOK ROUTERS	LEU167966



#### SET SCREWS – HEXAGON SOCKET AND DOG POINT

M5 x 5.0			LEU001609
M6 x 6.0			LEU180003
M5 x 12.0			LEU050565
M6 x 10.0			LEU180002
M6 x 12.0			LEU180214
M6 x 16.0			LEU001617
M8 x 12.0			LEU180001
M8 x 16.0			LEU164422
M8 x 20.0			LEU001625
M12 x 20	AMAC Serrated Back Heads		AMA0313



#### GRUB SCREWS – HEXAGON SOCKET

With Hexagon socket and cup point

M5 x 5.0			LEU001609
M6 x 4.0			LEU167068
M6 x 6.0			LEU180003



## Spare Parts

### Replacement Screws and Spanners – Suit Tooling Heads

#### TORX SCREW DRIVERS WITH FLAG

T7	Flap wing Handle	LEU167904
T8	Flap wing Handle	LEU166499
T9	Flap wing Handle	LEU164344
T15	Flap wing Handle	LEU163161



#### SCREWDRIVERS WITH SLIDING HANDLE FOR TORX

T20	Tee Handle	LEU166092
T20	AMAC Replacable Bits Handle	AMAA0406
T20	AMAC Replacable Bits	AMAA04011



#### SCREWDRIVERS WITH SPINNER HANDLE FOR TORX

T9 x 60	Standard Handle	LEU173796
T15 x 140	Tee Handle	LEU179145
T15 x 140	Standard Handle	LEU171188



#### SCREWDRIVERS WITH TEE HANDLE FOR HEXAGON SOCKET

2.5mm x 100	Tee Handle	LEU168010
3.0mm x 100	Tee Handle	LEU166090
4.0mm x 100	Tee Handle	LEU166091
5.0mm x 150	Tee Handle	AMAA0401
6.0mm x 200	Tee Handle	AMAA0402



#### HOOK WRENCHES

DIMENSIONS	PART NO.
SW40/42	LEU169298
SW45/50	LEU175851
SW58/62	LEU169299



#### SINGLE-HEAD ENGINEERS WRENCHES

DIMENSIONS	PART NO.
SW46x10	LEU178760



#### ALLEN KEYS FOR HEXAGON SOCKET SCREWS

SW2 DIN ISO 2936	LEU009670
SW2.5 DIN ISO 2936	LEU009671
SW3 DIN ISO 2936	LEU009672



### Kipp Adjustable Locking Handles

DESCRIPTION	PART NO.
– M6 Thread – Female	SPHDLM6KIPP
– M6 Thread – Male	SPHDLM6KIPP-MALE
– M8 Thread – Female	SPHDLM8KIPP
– M8 Thread – Male	SPHDLM8KIPP-MALE
– M10 Thread – Female	SPHDLM10KIPP
– M10 Thread – Male	SPHDLM10KIPP-MALE
– M12 Thread – Female	SPHDLM12KIPP
– M12 Thread – Male	SPHDLM12KIPP-MALE
– M16 Thread – Female	SPHDLM16KIPP
– M16 Thread – Male	SPHDLM16KIPP-MALE



## I2 Machinery

### I2-1 Machinery

<b>Saw Benches</b>	<b>12-1</b>
<b>Bandsaws</b>	<b>12-3</b>
<b>Jointer / Buzzers</b>	<b>12-4</b>
<b>Planers / Thicknessers</b>	<b>12-5</b>
<b>Spindle Moulders</b>	<b>12-7</b>
<b>Power Feeders</b>	<b>12-8</b>
<b>Belt, Disc and Oscillating Bobbin Sanders</b>	<b>12-9</b>
<b>Drum and Belt Sanders</b>	<b>12-11</b>
<b>Mortise Equipment</b>	<b>12-12</b>
<b>Dust Extraction</b>	<b>12-13</b>
<b>Hose Fittings</b>	<b>12-17</b>
<b>Dust Extraction Hose</b>	<b>12-18</b>

### AMAC Introduction

Not all machines are made equal and while similar at first glance, closer inspection can reveal many manufacturing quality and individual component differences.

Robertson & Sinclair Ltd have been sourcing machines from the same rigorously selected suppliers in Taiwan for the last 30 years. These suppliers have proven themselves by using top quality bearings, gears, castings electrics etc.

Our long term relationships with the same supplier enables us to provide consistency of supply and spare parts when required.



### Woodworking Machines you can Trust



The AMAC name represents over 30 years of experience in buying machines from Taiwan. Each machine we sell has been carefully selected so you can be sure to have exceptional value and performance. Although competing machines look similar, they often have subtle but important omissions and compromises in quality.

## Saw Benches



### AMATSC-10L

#### 2HP – 1PH

- 10 inch saw blade (250mm) cuts 82mm at 90° and 54mm at 45°. 16mm Bore
- Machined trunions for accurate saw tilting
- Precision ground cast iron table
- Includes router table attachment
- Mitre Gauge

#### ACCESSORIES TO SUIT AMATSC10L

- RIP Fence complete with rails  
AMATSC10L-RIP FENCE

### AMATSC10L-ROUTER

- Optional Router fence to fit on TSC10L saw bench



### AMAMBS-250IPH

#### 3HP – 1PH

- 10 inch saw blade (250mm) cuts 76mm at 90° and 50mm at 45°.
- Large cast trunion and saw mechanism.
- Precision ground cast iron table.
- Fence locks securely and precisely parallel to the saw blade.
- Rise and fall spindle.
- Fence cutting width 660mm.



### AMAMBS 4003PH

#### Massive 10HP – 3PH

- Saw blade (400mm) cuts (130mm) at 90° and 108mm at 45°
- Large cast trunion and saw mechanism
- Fence locks securely and precisely parallel to the saw blade
- Solid rip fence for easy ripping of larger stock

## OUR BIGGEST SELLING SAW BENCH. Proven in a wide variety of applications.



### AMAMBS 300SIPH / 300S3PH

#### 3HP – 1PH OR 5HP – 3PH

- 12 inch saw blade (300mm) cuts 102mm at 90° and 70mm at 45°. 30mm Bore.
- Large cast trunion and saw mechanism.
- Fence locks securely and precisely parallel to the saw blade.
- Large sliding table on steel bar allows accurate cuts on panels.
- Fence cutting width 1,290mm.



#### ACCESSORIES TO SUIT MBS300

- Rip Fence  
AMAMBS300-RIPFENCE
- Biesmeyer Fence (Include Rails)
- Overhead Guard & Extraction (up-date for older models)  
AMAMBS300-SUVA GUARD
- Riving knife to fit with guard on  
SPAMAMBS300-RIVING1
- Riving knife for over head guard  
SPAMAMBS300-RIVING2
- Fits on riving knife  
SPAMAMBS300-H/Guard



#### REPLACEMENT PARTS TO SUIT RS420

- Operating Handle SPAMARS420-2328
- Plastic Blade Guard SPAMARS420-4218
- Switch SPAMARS420-2332

### RADIAL ARM SAW – AMARS 420

#### 4HP – 3PH

- Nitriding hardened rail surface reduces friction and wear.
- Rigid one piece arm casted to prevent deformation.
- Precise mitres at any angle, ripping and dado cutting.
- Fully guarded sawblade for maximum protection.
- Blade diameter 350mm, cut length 680mm.

## Band Saws



### AMASBW-350IHC

**3/4HP – 1PH**  
**14 inch wheels, Sealed dustproof switch**

- Welded steel base for maximum rigidity.
- Solid cast table and main frame allows full 150mm deep cut
- Roller ball adjustment for set up guides.
- Optional rip fence and riser kit (200mm cut)
- 2,375mm blade length.
- Throat depth 350mm

#### ACCESSORIES TO SUIT SBW350IHC

- |                                |                      |
|--------------------------------|----------------------|
| – Table Insert                 | SPAMASBW350I-199037  |
| – Blade Guide Blocks           | SPAMASBW350I-141081  |
| – Rip Fence                    | AMASBW350I-RIPFENCE  |
| – Riser Kit                    | AMASBW350I-RISERKIT  |
| – 355mm Wheel Rubber Protector | SPAMASBW350I-100025  |
| – 4 Speed Conversion Kit       | SPAMASBW350I-3504HC  |
| – Top Blade Guide              | SPAMASBW350I-Guide-T |
| – Lower Blade Guide            | SPAMASBW350I-Guide-L |

### AMAWBS-18LZ

**2HP – 1PH**  
**18 inch wheels, Sealed dustproof switch**

- Welded steel base and frame for maximum rigidity.
- Solid cast tilting table and steel rip fence.
- Geared adjustment for set up guides.
- Sealed and ported for dust extraction.
- 3,375mm blade length
- Throat depth 450mm



#### ACCESSORIES TO SUIT AMAWBS-18LZ

- Guide Set SPAMAWBS-18LZ-OBGIO

### AMAWBS-20L

**2HP – 1PH**  
**20 inch wheels, Sealed dustproof switch**

- Welded steel base and frame for maximum rigidity.
- Solid cast tilting table and steel rip fence.
- Geared adjustment for set up guides.
- Sprung tension system and cast wheels allow 25mm wide blade.
- 3,935mm blade length.
- Throat depth 500mm.



### AMAWBS-24L

**5HP – 3PH**  
**24 inch wheels, Sealed dustproof switch**

- Welded steel base and frame for maximum rigidity
- Solid cast tilting table and steel rip fence
- Geared adjustment for set up guides.
- Sprung tension system and cast wheels allow 25mm wide blade.
- 4,470mm blade length
- Throat depth 600mm

## Jointer/Buzzers

### AMACT-200

2HP – 1PH

- Cutting capacity 203mm wide x 12.7mm deep (19mm rebate)
- Three solid H.S.S. knives can easily be sharpened.
- Rigid centre mounted fence on 1675mm long table
- Dovetail table slides ensure easy adjustment and longlife

#### ACCESSORIES TO SUIT

- Gib Bolts SPAMACT200-3009
- Blade setting springs SPAMACT200-115



### AMAHJ 325

3HP – 3PH

- Cutting capacity 305mm x 12.7mm deep (1/2 inch rebate).
- Three solid H.S.S. knives can easily be sharpened.
- Rigid centre mounted fence on 2133mm long table
- Table raising and lowering balanced by strong durable springs

#### ACCESSORIES TO SUIT

- GIB BOLTS  
SPAMAHJ325-05T-02B Square head
- Blade setting springs  
SPAMAHJ325-05-02C



#### REPLACEMENT JOINTER/BUZZER KNIVES

High Speed Steel

Laminated Tungsten Carbide

– CT-150	3 x 16 x 150mm	H.S.S.	AMAKHS0316150	Set 3
		T.C.T.	AMAKTC0316150	Set 3
– CT-200	3 x 19 x 204mm	H.S.S.	AMAKHS0319204	Set 3
		T.C.T.	AMAKTC0318200	Set 3
– HJ-200	3 x 19 x 204mm	H.S.S.	AMAKHS0319204-4	Set 4
– HJ-325	3 x 30 x 305mm	H.S.S.	AMAKHS0330305	Set 3
		T.C.T.	AMAKTC0330305	Set 3

## Planers/Thicknessers



### AMACT-381

**2HP – 1PH**

**Two speed gearbox**

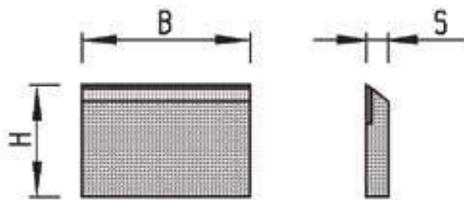
- 380mm x 150mm capacity
- Three solid H.S.S. knives can easily be sharpened
- Anti kick fingers with up to 5mm depth of cut
- Motor below ensures smooth rise and fall and improves balance
- Dust extraction outlet 100mm

#### ACCESSORIES TO SUIT

– Blade Setting Gauge CT38, 381  
SPAMACT381-09A

– Gib Bolts CT38,381,508  
SPAMACT508-1004

– Knife setup spring  
SPAMACT381-115



#### REPLACEMENT KNIVES

AMAKHS0325380	CT381 H.S.S. Planer Knives	3 x 25 x 380mm	Set 3
AMAKTC0325380	CT381 TCT Planer Knives	3 x 25 x 380mm	Set 3

## HEAVY DUTY MOBILE BASES

### AMAMB-800

- Maximum Loading Weight 410 kgs
- 2 H.D. swivel 75mm Casters Lockable
- 2 H.D fixed 100mm Casters
- Maximum Square Size 629mm x 629mm
- Minimum Square Size 495mm x 495mm
- Maximum Rectangle 699mm x 629mm
- Minimum Rectangle 432mm x 495mm
- Max Extension Bar 553mm x 1026mm
- Min Extension Bar 356mm x 823mm



### AMAMB-500

- Maximum Loading Weight 227kgs
- 2 H.D Swivel Casters
- Foot Lever Locking action
- 2 H.D. Fixed casters
- Maximum Square Size 894mm x 894mm
- Minimum Square Size 1295mm x 482mm
- Maximum Rectangle 699mm x 629mm
- Minimum Rectangle 434mm x 279mm

## Planers/Thicknessers

### AMACT508-3PH

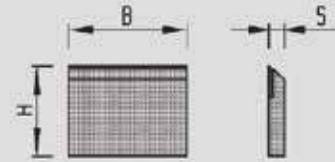
5HP – 3PH

Two speed gearbox

- 508mm x 205mm capacity
- 4 solid H.S.S. knives can easily be sharpened
- Anti kick fingers with up to 5mm depth of cut
- Motor below ensures smooth rise and fall and improves balance
- Dust extraction outlet 125mm

#### REPLACEMENT KNIVES

PART NO	S	H	B
AMAKHS0325508	3 x	25	x 508mm(4) HSS
AMAKTC0325508	3 x	25	x 508mm(4) TCT



#### ACCESSORIES TO SUIT

SETUP GAUGE

SPAMACT508-SETUP



- Gib Bolts SPAMACT508-1004
- Knife setup springs SPAMACT381-115

## PEDESTAL ROLLER STANDS

#### Ball Roller Stand

AMACT-W36TBS  
Reversible Head  
Multi directional or  
Straight Roller



#### Adjustable Single Roller

410 wide  
AMARS-75G



#### Foldable 5 Roller

410 W x 510 L  
AMACT-W50-5T

#### Three Roller

AMACT-W50-3T



## Spindle Moulders



### AMAJY-300SPE

**1.5HP – 1PH, 19mm spindle**

- Cast table with extension 630mm deep x 515mm wide
- Two speed 8000-10000 rpm forward and reverse
- Can take collet Chuck to take Router Bits
- Solid cast extraction unit with fence and safety guards



### AMAJY-30SP

**3.0HP – 1PH  
31.75mm spindle**

- Cast table with extension 760mm deep x 720mm wide
- Two speed 8000-10000 rpm forward and reverse
- Can take collet Chuck to take Router Bits
- Solid cast extraction unit with fence and safety guards



### AMAJY-31SPS

**5.0HP – 3PH  
31.75mm spindle, (Sliding table model)**

- Cast table with extension 630mm deep x 515mm wide
- Two speed 8000-10000 rpm forward and reverse
- Can take collet chuck to take Router cutters
- Solid cast extraction unit with fence and safety guards
- With sliding table

#### CHUCK COLLECTS TO TAKE ROUTER BITS

**1/2" Collet** Suit AMAJY30SPE, 300SPE      AMAJY-30COLLECT-1/2

**1/2" Collet** Suit AMAJY31SPE and Routers      AMAJY-31COLLECT-1/2

**1/4" Collet** Suit AMAJY31SPE and Routers      AMAJY-31COLLECT-1/4

## Power Feeders



### AMAAF-32

**1/4HP – 1PH**

- Four feed speeds 16 to 38 feet/min
- Three rollers 80mm dia x 30mm width
- Roller suspension clearance 12mm



### AMAAF34-3PH

**1HP – 3PH**

- Four feed speeds 13 to 7
- Three rollers 120mm dia
- Roller suspension clearance
- Available in 8 speed model



**MOST POPULAR**

#### POWER FEEDERS – SPARES

CODE	DESCRIPTION	
SPCOMAF32-R008	Feed Roller Co-matic	80x30 Rubber Roller
SPCOMAF308-R010	Feed Roller Co-matic	100x50 Rubber Roller
SPCOMAF34-R012	Feed Roller 2 Bolt Mnt	120x60 Rubber Roller



CODE	DESCRIPTION
SPCOMAF34-R0120	Feed Roller Rubber Only Rubber Latex Machines

## Belt, Disc and Oscillating Bobbin Sanders

### BELT SANDER – AMA BIG BOY 80

#### 1.5HP – 1PH, 1mtr Sanding Bed

- Sanding bed tilts 0-90 degrees (vertical angle flat)
- Fully enclosed 100mm diameter dust collection shroud
- Optional curve sanding table.
- Easy belt tracking system
- Belt size 150mm x 2260mm



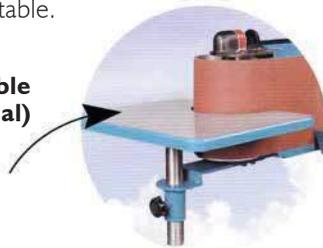
- **QUICK RELEASE**  
For fast belt changing.
- **TABLE HEIGHT**  
Adjustable for full belt use.
- **CLOTH BELTS**  
Provide longer belt life.

#### END TABLE

- The end table provides convenient sanding for curved parts, and height is adjustable.

AMABIGBOY80-END TABLE

End Table (optional)



### AMAAS-609

#### 1/2HP – 1PH, 9 inch disc (235mm)

- Belt sanding surface 150mm x 400mm
- Belt adjustable 0 to 90° vertically
- Belt size 150 x 1220mm
- Support table fits both disc and belt adjusts 0 to 45°
- Curved work can be completed with ease
- **NB: Slipcloth required.**



#### BELT CLEANER

- For longer abrasive life  
200 x 50 x 25mm  
NOR9900



#### GRAPHITE BELT SLIP CLOTH

- For use on Sanding Machines to reduce friction, heat and motor loading.  
NOR900W0 | 50000 | 1000



#### AS-609 XW341 CLOTH BELTS 150 x 1,220mm

##### PART NO.

P40 grit	NOR040001501220040
P60 grit	NOR040001501220060
P80 grit	NOR040001501220080
P100 grit	NOR040001501220100
P120 grit	NOR040001501220120
P150 grit	NOR040001501220150
P180 grit	NOR040001501220180
P240 grit	NOR040001501220240

#### BIG BOY 80 XW341 CLOTH BELTS 150 x 2,260mm

##### PART NO.

P40 grit	NOR040001502260040
P60 grit	NOR040001502260060
P80 grit	NOR040001502260080
P100 grit	NOR040001502260100
P120 grit	NOR040001502260120
P150 grit	NOR040001502260150
P180 grit	NOR040001502260180
P140 grit	NOR040001502260240

#### AS-609 H21 I PAPER DISCS VELCRO GRIP 230mm

P60 grit	NOR130402300000060
P80 grit	NOR130402300000080
P100 grit	NOR130402300000100
P120 grit	NOR130402300000120
P150 grit	NOR130402300000150



#### VELCRO HOOK DISC FACE REPLACEMENT 230mm DIA NORAM230

## Disc and Oscillating Bobbin Sanders



OVSJM

### AMAOVS-12 – OSCILLATING BOBBIN/DISC SANDER

**IHP – IPH, 12 inch disc (300mm)**

- 370mm x 370mm tilting table
- Length of oscillations 12mm
- Table tilts up to 45° for bevel sanding
- Fitted with four spindle sizes (1/4 to 2 inch)



OVS-12

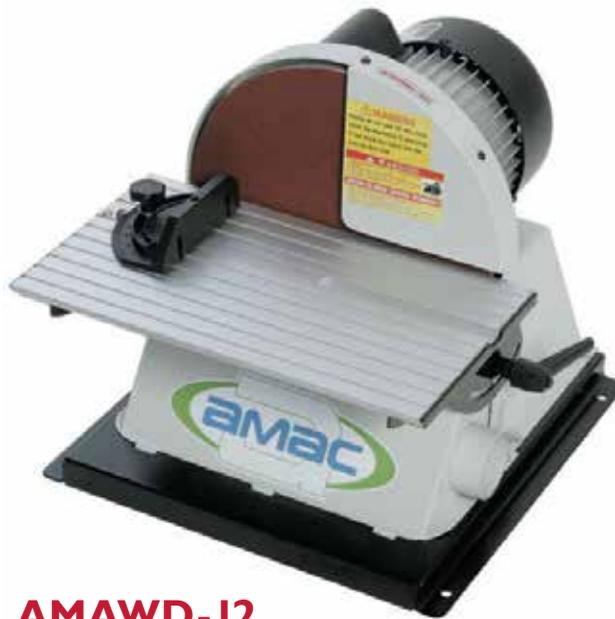
### AMAOVS-JM – OSCILLATING BOBBIN SANDER

**IHP – IPH**

- Heavy gauge steel frame and precision ground table
- Machine furnished with 10 interchangeable spindles 6mm to 100mm
- 600mm x 600mm tilting table with kipper handles
- Length of oscillations 38mm.

#### OVS ABRASIVE SLEEVES

- | D                  | L |      |
|--------------------|---|------|
| – 1/4 x 125mm      |   |      |
| AMAOVs-E-1/4-60    |   | Grit |
| AMAOVs-E-1/4-100   |   | Grit |
| – 3/8 x 150mm      |   |      |
| AMAOVs-E-3/8-60    |   | Grit |
| AMAOVs-E-3/8-100   |   | Grit |
| – 1/2 x 150mm      |   |      |
| AMAOVs-E-1/2-60    |   | Grit |
| AMAOVs-E-1/2-100   |   | Grit |
| – 5/8 x 150mm      |   |      |
| AMAOVs-E-5/8-60    |   | Grit |
| AMAOVs-E-5/8-100   |   | Grit |
| – 3/4 x 225mm      |   |      |
| AMAOVs-E-3/4-60    |   | Grit |
| AMAOVs-E-3/4-100   |   | Grit |
| – 1 x 225mm        |   |      |
| AMAOVs-E-1-60      |   | Grit |
| AMAOVs-E-1-100     |   | Grit |
| – 1-1/2 x 225mm    |   |      |
| AMAOVs-E-1 1/2-60  |   | Grit |
| AMAOVs-E-1 1/2-100 |   | Grit |
| – 2 x 225mm        |   |      |
| AMAOVs-E-2-60      |   | Grit |
| AMAOVs-E-2-100     |   | Grit |
| – 3 x 225mm        |   |      |
| AMAOVs-E-3-60      |   | Grit |
| AMAOVs-E-3-100     |   | Grit |
| – 4 x 225mm        |   |      |
| AMAOVs-E-4-60      |   | Grit |
| AMAOVs-E-4-100     |   | Grit |



### AMAWD-12

**3/4HP – IPH  
12 inch disc (300mm)**

- Table tilts up to 45° for bevel sanding
- Velcro backed pads for simple changing
- Fabricated from heavy gauge steel plate
- Equipped with dust hood



#### OVS SPINDLE SHAFTS

- JM Model
  - AMAOVs-E-SPN-1/4
  - AMAOVs-E-SPN-3/8
  - AMAOVs-E-SPN-1/2
  - AMAOVs-E-SPN-5/8
  - AMAOVs-E-SPN-3/4
  - AMAOVs-E-SPN-1
  - AMAOVs-E-SPN-1 1/2
  - AMAOVs-E-SPN-2
  - AMAOVs-E-SPN-3
  - AMAOVs-E-SPN-4
- OVS Model
  - AMAOVs-K-SPN-1/4
  - AMAOVs-K-SPN-1/2
  - AMAOVs-K-SPN-5/8
  - AMAOVs-K-SPN-3/4
  - AMAOVs-K-SPN-1 1/2
  - AMAOVs-K-SPN-2



#### OVS AND WD12 ACCESSORIES

- 305mm H211 Cloth Discs Velcro Grip
 

40 Grit	NORI30403050000040
60 Grit	NORI30403050000060
80 Grit	NORI30403050000080
100 Grit	NORI30403050000100
120 Grit	NORI30403050000120
150 Grit	NORI30403050000150



- Velcro Hook Disc Face Replacement  
NORAM305

## Drum and Belt Sanders

### AMADS-1632A DRUM SANDER

1HP – 1PH

Drum diameter 125mm

- Variable speed conveyor  
0 to 31 inches per minute
- Large sanding capacity 16 to  
32 inches with two passes
- Depth scale for accurate  
height adjustment



### ABRASIVES

– DS1632A

405mm Drum Width

G216 Abrasive Rolls 75mm W x 50mtr

P60	NOR0123 00700050 060	Roll
P80	NOR0123 00700050 080	Roll
P100	NOR0123 00700050 100	Roll
P120	NOR0123 00700050 120	Roll
P150	NOR0123 00700050 150	Roll

## Drill Presses

### AMACH-16N

1/3HP – 1PH

- 16mm capacity chuck
- 16 speed bench type drill press
- Adjustable table height
- 85 mm stroke



### AMACH-16NF

1/3HP – 1PH

- 16mm capacity chuck
- 16 speed floor type drill press
- Adjustable table height
- 85 mm stroke



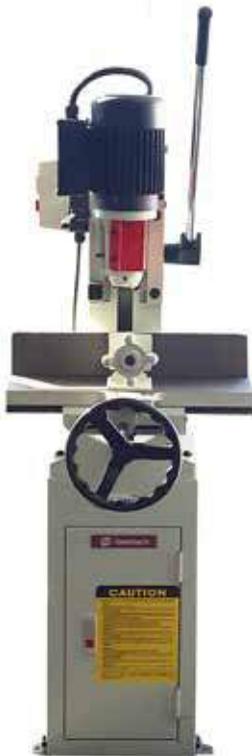
### ACCESSORIES FOR CH-16NF DRILL PRESSES

SPAMACH-16NF-66A	Return Spring
SPAMACH-16N	Chuck key
SPAMACH-16N-DRILLCOV	Red Chuck Cover

## Mortise Equipment

### AMACT-1913-IPH CHISEL MORTISER

- **IHP - IPH**
- Max chisel size 25mm softwood, 19mm hardwood
- Timber capacity 225mm x 180mm
- Stroke
- Dovetail slides for precision head downfeed
- Depth stop clamps and automatic return system



### SQUARE MORTISE CHISELS AND BITS

- Highest quality Japanese steel finely ground and polished with honed cutting edges
- Take care when setting to leave 2-5mm clearance between end of bit and end of chisel case
- This ensures long life and avoidance of premature failure



- 6.4mm
- 9.5mm
- 12.7mm
- 16.5mm
- 19.1mm
- 25.4mm
- 14mm

- PART NO.**
- STMSM7SH-0416
  - STMSM7SH-616
  - STMSM7SH-816
  - STMSM7SH-1016
  - STMSM7SH-1216
  - STMSM7SH-1616
  - STMSM7SH-0916

- 12.7mm x 140
- 15.8mm x 150

- PART NO**
- MORCHI 12.7LS
  - MORCHI 15.8

### AMACH-S22 SCROLL SAW

**1/8HP - 1PH**  
**1750 cuts per minute**

- Strong double arm with 500mm throat
- Maximum thickness of cut 2 inch (55mm)
- Built in blower keeps cut line free of dust
- Cam lever quickly tensions blade
- Replacement blades
- AMACH-S22-2017 2mm x 16TPI
- AMACH-S22-Blade 6mm x 8TPI



- Scroll Saw Blades
- AMAMS22-54
- 135mm with 2 pins

Refer Mortising section 7-24



## Dust Extraction Equipment

### AMACT 50P

3/4HP – 1PH

**Air suction capacity 750 cfm**

- Standard 30 micron filter bag
- Able to be wall mounted
- 68 litre bag capacity
- 1 x 100mm outlet



### AMACT 90C

1HP – 1PH

**Air suction capacity 750 cfm (21.4 cubic m/min)**

- Sound rating 60-70 db.
- 90 litre bag capacity.
- Strong durable frame on roller castors.
- 1 x 100mm outlet.
- Standard 30 micron filter bag.

**AMACT90C**



## Most Popular Machine

**AMACT101**



### AMACT 101

2HP – 1PH

**Air suction capacity 1,500 cfm (42.8 cubic m/min)**

- Sound rating 75-85 db.
- 190 litre bag capacity.
- Strong durable frame on roller castors
- 2 x 100mm or 1 x 150mm outlet
- Standard 30 micron filter bag.

**AMACT101**

- 1 micron pleated filter canister.

**AMACT101CK**

**AMACT101CK**



## Dust Extraction Equipment



### AMACT 203F

5HP – 3PH

**Air suction capacity 4,820 cfm  
(137 cubic m/min)**

- Sound rating 85-95 db
- **890 litre bag capacity**
- Strong durable frame on roller castors
- 4 x 4" outlet
- Standard 30 micron filter bag

**AMACT203F**

- 1 micron pleated filter canisters

**AMACT203FCK**



### AMACT 201A

3HP – 1PH Or 3HP – 3PH

**Air suction capacity  
2300 cfm (65.7 cubic m/min)**

- Sound rating 75-85 db
- 377 litre bag capacity
- Strong durable frame on roller castors
- 3 x 100mm or 1 x 230mm outlet.outlet
- Standard 30 micron filter bag

**AMACT201 IPH**

**AMACT201A 3PH**

- 1 micron pleated filter canisters

**AMACT201ACK 3PH**

**AMACT201CK IPH**



### AMACT 402

10HP – 3PH

**Air suction capacity 7100 cfm  
(202 cubic m/min)**

- Sound rating 85-95 db.
- 1300 litre bag capacity.
- Strong durable frame on roller castors.
- 5 x 4"outlet.
- Standard 30 micron filter bag.

**AMACT402**

- 1 micron pleated filter canisters.

**AMACT402HCK**

## Dust Extraction Service Items

### DESCRIPTION

- **CT50P Extractor Portable**  
Collection Bag CT50P, CT50S  
Bag Clamp  
AMACT50-021  
AMACT50-023
- **CT90 Extractor**  
Bottom Collection Bag CT90  
Top Filter Bag CT90  
Bag Clamp 374mm dia CT90  
AMACT90-24  
AMACT90-25  
AMACT90-CLAMP
- **CT101 CT201 CT201A CT202H**  
Bottom Collection Bag Fabric W/Straps  
Bottom Collection Bag Clear Plastic  
Top Filter Bag  
Bag Clamp 500mm dia Bag  
AMACT101-022  
AMADC-10103  
AMACT101-027  
AMACT101-020
- **CT101CK CT201CK Extractor**  
Top Cannister Filter 500 dia x 600 Ht  
Bottom Collection Bag Clear Plastic  
Bag Clamp suit 500mm dia Bag  
AMACK-500S  
AMADC-10103  
AMACT101-020
- **CT203F Extractor**  
Bottom Collection Bag – Cloth  
Top Filter Bag – 30 micron  
Bag Clamp 600mm dia Bag  
Plastic Bottom Bag  
AMACT402-23  
AMACT402-TOP BAG  
AMACT402-33  
AMACT402-BAG
- **CT203FCK Extractor**  
Top Cannister Filter 600 dia x 1000 Ht  
Bottom Collection Bag – Clear Plastic  
AMACK-600T  
AMACT402-BAG
- **CT402 Extractor**  
Bottom Collection Bag – Cloth  
Top Filter Bag  
Bag Clamp 600mm dia Bag  
Bottom Collection Bag – Clear Plastic  
AMACT402-23  
AMACT402-TOP-BAG  
AMACT402-33  
AMACT402-BAG
- **CT402HCK Extractor**  
Top Cannister Filter 600 dia x 1000 Ht  
Bottom Collection Bag – Clear  
AMACK-600T  
AMACT402-BAG



Bag Clamp

Collection Bag



## AIR FILTER CANISTERS

- Pleated filter canister.
- 5 times the amount of filter area compared to standard bags
- Filter material made from spun-bond polyester
- Filters down to one micron
- Rotating cleaner handle



AMACT101CK Canisters

- **One Micron Rating**
- **To remove: Carcinogenic fine particle dust**
- **Including: M.D.F., Rimu, Fibre Cement, etc**

**AMACK-500S**

**AMACK-500T**

**AMACK-600**

500m diameter x 600mm high CT101+CT202

500m diameter x 1,000mm high CT101+CT202

600m diameter x 1,000mm high CT203+CT402

## Dust Extraction Hose and Fittings



### HOSE

#### Heavy Duty Hose – Clear.

AMADC-2X3ROLL	50mm x 3m
AMADC-2X7ROLL	50mm x 7m
AMADC-3X3ROLL	75mm x 3m
AMADC-3X7ROLL	75mm x 7m
AMADC-4X3ROLL	100mm x 3m
AMADC-4X7ROLL	100mm x 7m
AMADC-5X3ROLL	125mm x 3m
AMADC-5X7ROLL	125mm x 7m
AMADC-8X3ROLL	200mm x 3m
AMADC-8X7ROLL	200mm x 7m

### HAND HELD DUST EXTRACTOR

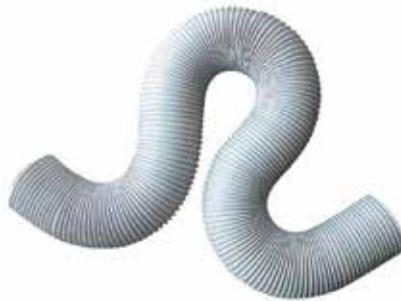
250 x 80 mm AMADC-10176  
100mm Outlet



### FLEXIBLE HOSE

For use on mobile equipment.  
Allows hose to flex and bend tighter

AMADCS4X3FLEXI	100mm x 3m
AMADCS4X7FLEXI	100mm x 7m
AMADCS5X3FLEXI	125mm x 3m
AMADCS5X7FLEXI	125mm x 7m
AMADCS6X3FLEXI	150mm x 3m
AMADCS6X7FLEXI	150mm x 7m



### PLASTIC DUST HOOD

420 x 330 AMADC-10152

### FLOOR SWEEPER

4" Outlet.

AMACT30



### DUST HOOD HAND HELD

150 x 70mm AMADC-10175  
250 x 80mm AMADC-10176

### HOSE CLIPS

#### Wire Hose Clips.

AMADC10104-2.5	2"
AMADC10104-3	3"
AMADC10104-4	4"
AMADC10104-5	5"
AMADC10104-6	6"



## HOSE FITTINGS



**Reducing Connector**  
 – 3" x 2" AMADC-10128  
 – 4" x 2" AMADC-10105



**Stepped Reducing Connector**  
 For sizes between 6" to 1"  
 AMADC-10153

**Blast Gate**  
 AMADC-10107-3"  
 AMADC-10107-4"



**Y Connector**  
 AMADC-10110-3"  
 AMADC-10110-4"



**Elbow Connector**  
 AMADC-10106-3"  
 AMADC-10106-4"

**Steel Blast Gate**  
 AMADC-10113-4 4" steel  
 AMADC-10113-5 5" steel  
 AMADC-10113-6 6" steel

**Tapered Connector**  
 – 4" x 2 1/4"  
 AMADC-10119



**Elbow**  
 – 90 degree 4"  
 AMADC-10118



**Reducing Connector**  
 – 4" x 3" AMADC-10117  
 – 4" x 2 1/4" AMADC-10120  
 – 2 3/4" x 2 3/8" AMADC-10121  
 – 3" x 2 1/2" AMADC-10122  
 – 4" x 2 1/2" AMADC-10123  
 – 3" x 2" AMADC-10128



**Cap**  
 – 4" x 5" cap  
 AMADC-10125



**Joining Connector**  
 – 4"  
 AMADC-10127



**Cap**  
 – 4"  
 AMADC-10124

**Tee Piece**  
 AMADC-10129-3"  
 AMADC-10129-4"



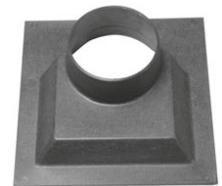
**Universal Dust Hood**  
 – 4" outlet  
 AMADC-10130



**Jointer Dust Hood**  
 – 4" outlet  
 AMADC-10131



**Table Saw Dust Hood**  
 – 4" outlet  
 AMADC-10132



**Floor Sweep**  
 – 4" outlet  
 AMADC-10133



**Dust Hood Inlet**  
 – 4" outlet  
 AMADC-10134  
 – 250 x 110mm



**Tapered Connector**  
 – 4" Plastic  
 AMADC-10112



**Hose Connector**  
 – AMADC-10135 5" x 4"  
 – AMADC-10136 5" x 5"  
 – AMADC-10137 4" x 3"  
 – AMADC-10138 4" x 2 1/2"  
 – AMADC-10139 4" x 2 1/4"  
 – AMADC-10140 4" x 4"  
 – AMADC-10141 3" x 3"



## Dust Extraction Hose



**Extended Range available for --  
Firm Order Sales**  
**Med = Recommended for Timber and MDF**  
**Heavy Duty = Recommended 4 sides and Abrasive materials**  
**Sold per Metre-**

PART NO	IMP	METRIC	DESCRIPTION
AIR52M	2.0"	52mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30200521002
AIR63M	2.5"	63mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30200631002
AIR76M	3.0"	76mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30200761002
AIR82H	3.25"	82mm H.D. ANTISTATIC URETHANE	EXTRACTOR HOSE 30300821002
AIR82M	3.25"	82mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30200821002
AIR102H	4.0"	102mm H.D. ANTISTATIC URETHANE	EXTRACTOR HOSE 30301021002
AIR102M	4.0"	102mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30201021002
AIR127H	5.0"	127mm H.D. ANTISTATIC URETHANE	EXTRACTOR HOSE 30301271002
AIR127M	5.0"	127mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30201271002
AIR142H	5.63"	142mm H.D.ANTISTATIC URETHANE	EXTRACTOR HOSE 30301421002
AIR142M	5.63"	142mm H.D.ANTISTATIC URETHANE	EXTRACTOR HOSE 30201421002
AIR152H	6.0"	152mm H.D.ANTISTATIC URETHANE	EXTRACTOR HOSE 30301521002
AIR152M	6.0"	152mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30201521002
AIR162H	6.38"	162mm H.D.ANTISTATIC URETHANE	EXTRACTOR HOSE 30301621002
AIR162M	6.38"	162mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30201621002
AIR182H	6.38"	182mm H.D.ANTISTATIC URETHANE	EXTRACTOR HOSE 30301821002
AIR182M	7.0"	182mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30201821002
AIR203H	8.0"	203mm H.D.ANTISTATIC URETHANE	EXTRACTOR HOSE 30302031002
AIR203M	8.0"	203mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30202031002
AIR254CNC	8.0"	203mm H.D CNC	EXTRACTOR HOSE
AIR254H	10.0"	254mm H.D.ANTISTATIC URETHANE	EXTRACTOR HOSE 30302541002
AIR254M	10.0"	254mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30202541002
AIR305M	12.0"	305mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30203051002
AIR305H	12.0"	305mm H.D.ANTISTATIC URETHANE	EXTRACTOR HOSE 30303051002
AIR315M	12.38"	315mm MED ANTISTATIC URETHANE	EXTRACTOR HOSE 30203151002
AIR315H	12.38"	315mm H.D.ANTISTATIC URETHANE	EXTRACTOR HOSE 30303151002





