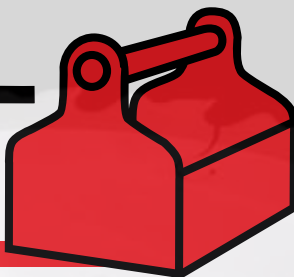


# LOGOSOL TOOLBOX



2011/2012



**MACHINE TOOLS FOR  
WOODPROCESSING**

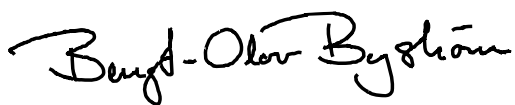
# Discover a completely **NEW PRODUCT RANGE!**

Please leaf through our new tool catalogue! Logosol launches a new product range, where you can choose moulding knives, cutters, blades, end cutters, other useful cutting tools etc. Our goal is that you should always be able to choose a Logosol product when you expand your activities.

We can offer you an exciting range of tools for hobby, craftsmen and light industry for processing wood, metal, stone and concrete. You can find the new product range here in our catalogue, in our Internet shop and at our dealers, world-wide. Please contact us, so we can help you find the right product!

We want to be a one-stop supplier for people who work in wood. Logosol has unique experience of small-scale sawing, planing and woodwork. We hope you will be able to find what you need in this catalogue.

**You are warmly welcome to Logosol-Toolbox!**



**Bengt-Olov Byström**  
Founder and chairman,  
Logosol in Härnösand

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# CMT MILLERS

**If you have high standards and have a slightly larger project, it is a smart idea to select the best products available. The chance of obtaining a perfect result, increases, as does your safety, if you work with good tools. Teflon coating on the cutter body, combined with high class material, offers long tool life.**

### DESIGN AND SAFETY

Having the right materials is a good start for production of CMT quality. We carefully study and design all tools with the capacity for producing best possible products.

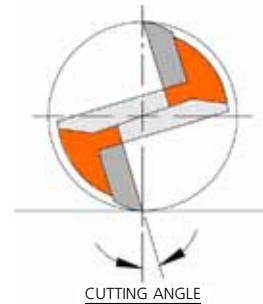
### ANTI-KICKBACK

Your safety is very important. For this reason, all of CMT's larger machining cutters have a so-called anti kickback design, i.e. they have a slightly rounded shape that prevents wood from wedging itself in so easily into the chip channel when the head space is limited.



### CUTTING ANGLE

The chip angle, also called the cutting angle, is the angle at which the cutter meets the wood, which affects both cut quality and service life. The cutting angle on CMT tools is always carefully selected for use in the tool in question.



### RAKE ANGLE

When possible and justified, CMT tools are provided with oblique cutters, or rake angle. Cutters with a rake angle are preferable, since this gives better cut quality and service life, especially when machining end grain. The rake angle can be positive, which pulls the chips up, or negative, which presses the chips downwards.

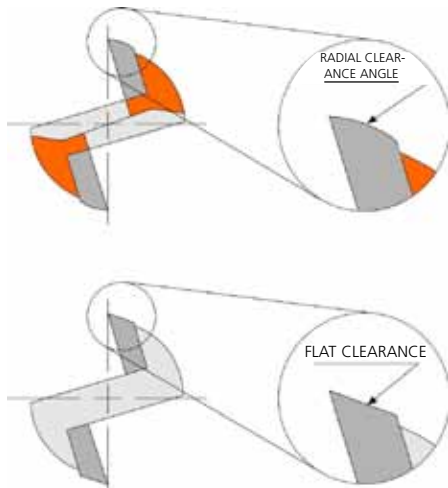


### RADIAL GRINDING

Radial grinding is the ground curve on the outside of the cutter. This gives better stability behind the hard metal inserts, and the tool retains its original diameter for longer.

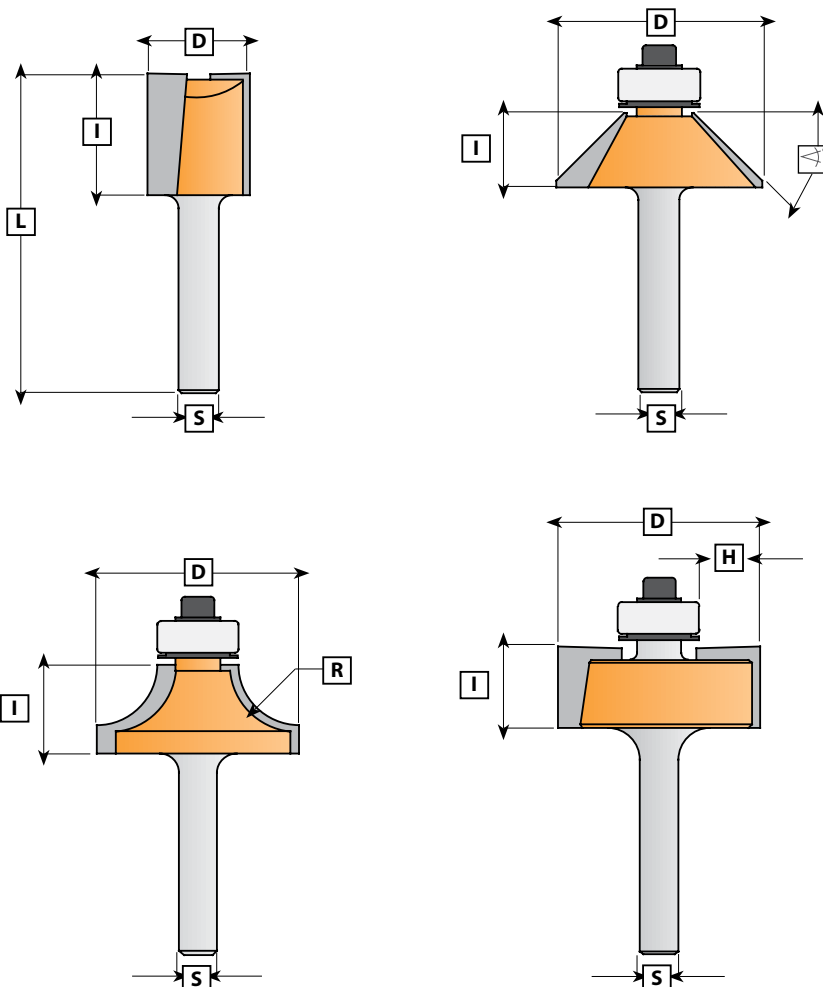
### LIP ANGLE

All CMT tools have a suitable lip angle, which means that the tool body does not come into contact with the wood, which would burn it.



# Explanation of symbols and abbreviations

- D** = Diameter
-  = Angle
- D<sub>s</sub>** = To spindle diameter
- d** = Minimum diameter
- F** = Hole diameter
- H** = Depth of cut
- HM** = Hard metal
- I** = Flute length
- L** = Overall length
- M** = Metric thread
- MK** = Morse taper
- mm** = Millimetre
- Teflon®** = Orange/black teflon
- R** = Radius
- RH** = Right-hand rotation
- RPM** = Revolutions/minute
- S** = Shank diameter
- V** = Insert
- Z** = Blade



## Safety rules

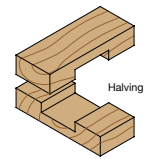
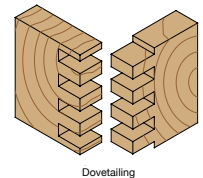
- Always use protective goggles and hearing defenders
- Always follow the maintenance advice and user manual
- Never use tools with visible damage or breaks
- Always check that tools are securely fixed
- At least 75% of the length of the tool shank should be inserted
- Reduce spindle speed when working with large tools
- Be careful to avoid cutting off excessively large chips
- Always work with sharp tools

### RECOMMENDED PERIPHERAL SPEEDS

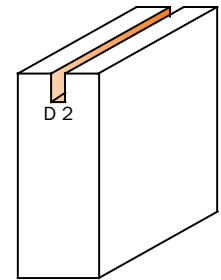
TOOL DIAMETER	MAX SPINDLE SPEED
25 mm .....	24,000 rpm
30-50 mm .....	18,000 rpm
55-65 mm .....	16,000 rpm
75-90 mm .....	12,000 rpm

# Tongue & groove cutters

Diameter mm	Flute length, mm	Overall length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
2	4	38	711.020.11		
3	8	45	711.030.11	911.030.11	
3	8	50			911.530.11
4	10	50			911.540.11
4	10	45	711.040.11	911.040.11	
5	12	50,8	711.050.11	911.050.11	911.550.11
6	16	50,8	711.060.11	911.060.11	
6	19	60,3			911.560.11
7	18	48	711.070.11	911.070.11	
7	18	60			911.570.11
8	20	48	711.080.11	911.080.11	
9	20	48	711.090.11	911.090.11	
10	20	48	711.100.11	911.100.11	
11	20	48	711.110.11	911.110.11	
12	20	50	711.120.11	911.120.11	
13	20	57	711.130.11	911.130.11	
14	20	50	711.140.11	911.140.11	
15	20	57,2	711.150.11	911.150.11	
16	20	57,2	711.160.11	911.160.11	
18	20	50	711.180.11	911.180.11	
19	20	57,2	711.190.11	911.190.11	
20	20	50	711.200.11	911.200.11	
22	20	57,2	711.220.11	911.220.11	
24	20	50	711.240.11	911.240.11	
25	20	50	711.250.11	911.250.11	



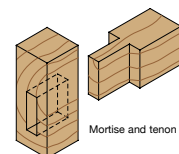
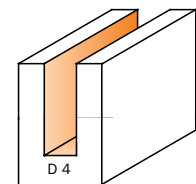
## Short flute



Diameter mm	Flute length, mm	Overall length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
3	11	60	712.030.11		
4	12	60	712.040.11		
6	25,4	60	712.060.11	912.060.11	
8	31,7	60	712.080.11	912.080.11	
8	31,7	70			912.580.11
9	31,7	70			912.590.11
10	31,7	60	712.100.11	912.100.11	
10	31,7	70			912.600.11
12	31,7	60	712.120.11	912.120.11	
12	38,1	80			912.621.11
12	50,8	90			912.622.11
14	31,7	60	712.140.11	912.140.11	
14	31,7	70			912.640.11
15	31,7	66	712.150.11	912.150.11	
15	31,7	70			912.650.11
16	31,7	66	712.160.11	912.160.11	
16	31,7	70			912.660.11
18	38,1	80			912.681.11
19	50,8	92			912.691.11
20	38,1	80			912.701.11
22	38,1	80			912.721.11



## Long flute



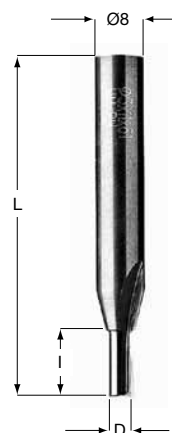


# Tongue & groove cutters

With tip cutter, Solid HM

Diameter mm	Flute length, mm	Overall length, mm	Order no.
3	10	55	174.030.11
4	10	55	174.040.11
5	12	55	174.050.11
6	14	55	174.060.11
7	20	55	174.070.11
8	20	55	174.080.11
9	20	55	174.090.11
10	20	60	174.100.11

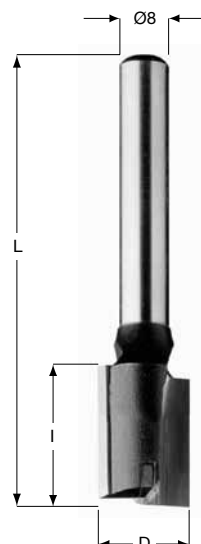
S = 8 mm



With tip cutter

Diameter mm	Flute length, mm	Overall length, mm	Order no.
11	20	60	174.110.11
12	20	60	174.120.11
13	20	60	174.130.11
14	20	60	174.140.11
15	20	60	174.150.11
16	20	70	174.160.11
16	40	90	174.161.11
18	20	70	174.180.11
20	20	70	174.200.11
22	20	70	174.220.11
24	20	70	174.240.11
26	20	70	174.260.11
28	20	70	174.280.11
30	20	70	174.300.11
10	20	60	174.100.11

S = 8 mm

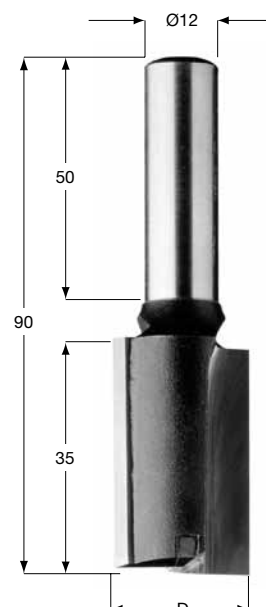


With tip cutter

Diameter mm	Flute length, mm	Overall length, mm	Order no.
10 *	35	90	177.100.11
12	35	90	177.120.11
14	35	90	177.140.11
16	35	90	177.160.11
18	35	90	177.180.11
20	35	90	177.200.11
22	35	90	177.220.11
24	35	90	177.240.11
30	35	90	177.300.11
35	35	90	177.350.11

S = 12 mm

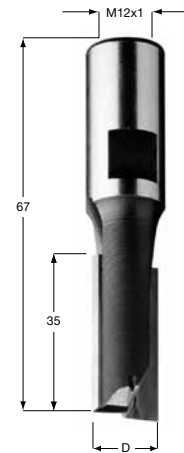
\* Solid HM



# Tongue & groove cutters

Tongue & groove cutter with tip cutter.  
Internal anchorage M12

Diameter mm	Flute length, mm	Overall length, mm	Order no.
8	35	67	171.080.11
10	35	67	171.100.11
12	35	67	171.120.11
14	35	67	171.140.11
16	35	67	171.160.11
18	35	67	171.180.11
20	35	67	171.200.11
22	35	67	171.220.11



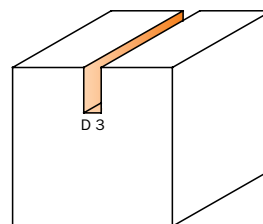
Diameter mm	Flute length, mm	Overall length, mm	Order no.
3	10	64	177.034.65
4	10	64	177.034.66
5	12	90	177.034.67
6	14	64	177.034.68
7	18	65	177.034.69
8	18	65	177.034.70
10	25	74	177.034.71
11	35	74	177.034.72
12	35	74	177.034.73
13	35	74	177.034.74
14	35	74	177.034.75
15	35	74	177.034.76
16	35	74	177.034.77
18	35	74	177.034.78
19	35	74	177.034.79
20	35	74	177.034.80
22	35	74	177.034.81
25	35	74	177.034.82
28	35	74	177.034.83
30	35	64	177.034.84
35	35	64	177.034.85
40	35	64	177.034.86



S = 13 mm

Solid HM router bit for machining the rabbet for seal mouldings etc.

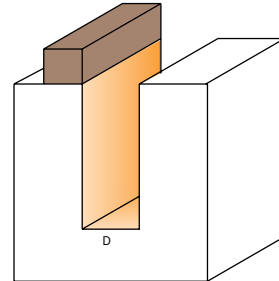
Diameter mm	Flute length, mm	Overall length, mm	Order no.
3	8	60	711.031.11



# Tongue & groove cutters with guide bearing

To be used for copy machining with a template. Unlimited applications for both the professional craftsman and the advanced hobbyist. The guide bearing is placed above the cutter, to track the cut better, so the work can be done with greater safety and accuracy.

**Safety tip:** Always check that the router is OK and that the template is securely fixed. Do not use longer tools than necessary!



## Short flute

Diameter mm	Flute length, mm	Overall length, mm	Order no. S = 6 mm	Order no. S = 8 mm
13	20	57	711.130.11B	
15	20	57,2	711.150.11B	
16	20	57,2		911.160.11B
19	20	57,2	711.190.11B	
22	20	57,2		911.220.11B

## Long flute

Diameter mm	Flute length, mm	Overall length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
15	31,7	66	712.150.11B		
16	31,7	66		912.160.11B	
19	38,1	82,5			912.690.11B
19	50,8	92			912.691.11B

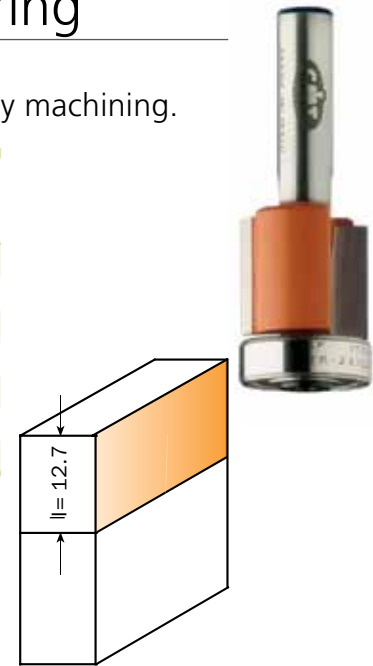
SPARE PARTS	D=13	D=15	D=16	D=19 short	D=19 long	D=22
Ball bearing	791.023.00	791.024.00	791.025.00	791.007.00	791.011.00	791.005.00
Stop ring	541.003.00	541.003.00	541.004.00	541.003.00	541.002.00	541.004.00
Key	991.056.00	991.056.00	991.056.00	991.056.00	991.056.00	991.056.00

## Edge moulding cutter with guide bearing

For edge machining of laminates and other coatings, and for copy machining.

Diameter mm	Flute length, mm	Diameter ball bearing etc.	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
12,7	9,5	9,5	706.096.11	906.096.1	
12,7	12,7	12,7	706.128.11	906.128.11	906.628.11
16	19	19	706.190.11	906.190.11	
25,4	9,5	9,5	706.095.11	906.095.11	
25,4	12,7	12,7	706.127.11	906.127.11	906.627.11
38,1	12,7	12,7			906.629.11
50,8	12,7	12,7			906.630.11

SPARE PARTS	D=9.5	D=12.7	D=19
Ball bearing	791.002.00	791.003.00	791.007.00
Screw	990.057.00	990.057.00	990.004.00
Key	991.057.00	991.057.00	991.062.00

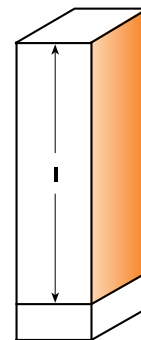


## Edge moulding cutter with long blade length, solid HM

For edge machining and copy machining, where a long flute is needed. Available with positive, negative and positive/negative rake for best cut quality, without unnecessary loading on tools and machinery.

### Safety tip:

Always use a dust filter mask and protective goggles when machining laminates.



Diameter mm	Flute length, mm	Overall length, mm	Order no. S = 12 mm	Order no. S = 12.7 mm
<b>Z2 Positive &amp; Negative Rake</b>				
12,7	42	114	190.127.11B	190.508.11B
<b>Z2 Positive Rake</b>				
12,7	31,7	89		191.505.11B
12,7	50,8	114	191.127.11B	191.507.11B
<b>Z2 Negative Rake</b>				
12,7	31,7	89		192.505.11B
12,7	50,8	114	192.127.11B	192.507.11B

### SPARE PARTS

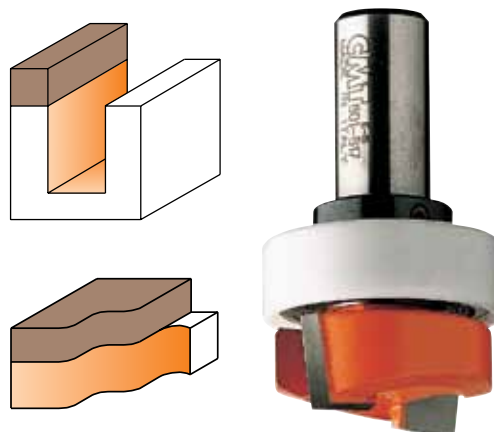
Ball bearing	791.004.00
Screw	990.058.00
Key	991.057.00

## Hinge mortise cutter with guide bearing

With guide bearing, for copy machining etc.

Diameter mm	Flute length, mm	Overall length, mm	Order no. S = 6 mm	Order no. S = 8 mm
16	19	54		901.160.11B
19	19	54	701.190.11B	

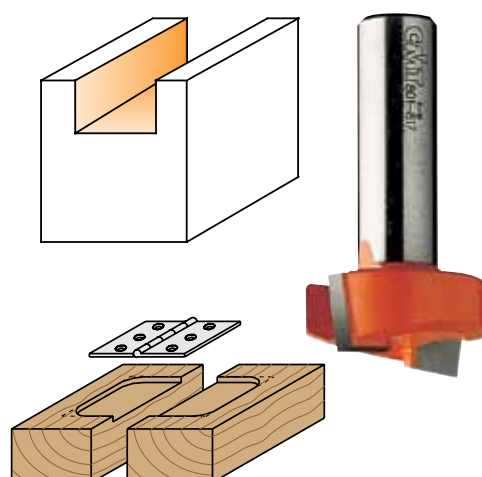
SPARE PARTS	D=16	D=19
Ball bearing	791.025.00	791.007.00
Stop ring	541.004.00	541.003.00
Key	991.056.00	991.056.00



## Hinge mortise cutters

For machining where the cut surface on the top of the material is important, e.g. on fittings.

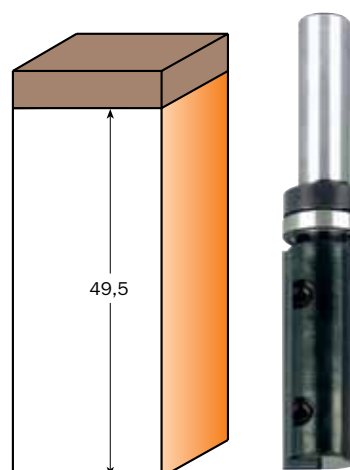
Diameter mm	Flute length, mm	Overall length, mm	Order no. S = 6 mm	Order no. S = 8 mm
12,7	19	701.127.11	901.127.11	901.627.11
16	19	701.160.11	901.160.11	
18	12	701.180.11	901.180.11	
19	19	701.190.11	901.190.11	
20	16	701.200.11	901.200.11	
31,7	12,7			901.817.11



## Tongue & groove cutters

With replaceable inserts and guide bearing

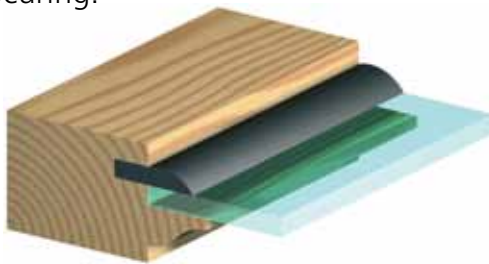
Diameter mm	Flute length, mm	Overall length, mm	Order no. S = 12 mm
19	49,5	100	652.690.11B



# Tongue & groove cutter set

A tongue & groove cutter kit that can be combined in many ways for rebating, tongue-and-groove and biscuit machining. The kit contains 4 different ball bearings, which gives cutting depths of 7.95, 9.55, 12.8 and 14.3 mm.

**Safety tip:** Never use a tongue & groove cutter without putting shims between the cutters. The cutter spacing can vary from 1 mm to 1.7 mm. Always put a shim between the cutter and the ball bearing.



### ASSEMBLY ILLUSTRATION

With spindle  
924.081.00

With spindle  
924.082.10

With spindle  
924.080.10

With spindle  
924.083.10



#### 923.001.11 THE TONGUE & GROOVE CUTTER KIT CONTAINS:

	Qty	Order no.
Tongue & groove 2 mm	1	822.320.11
Tongue & groove cutter 3 mm with countersunk hole	1	823.330.11
Tongue & groove cutter 4 mm with countersunk hole	1	823.340.11
Tongue & groove cutter 5 mm5 mm with countersunk hole	1	823.350.11
Tongue & groove cutter 6 mm6 mm	1	822.360.11
Spindle with 22 mm ball bearing, 8 mm shaft	1	924.080.10
Spindle with 22 mm ball bearing, 8 mm shaft	1	924.081.10
Spindle with 22 mm ball bearing, 8 mm shaft	1	924.082.10
Long spindle with 22 mm ball bearing, 8 mm shaft	1	924.083.10
Ball bearing, Dia. 31.7 mm	1	791.033.00
Ball bearing, Dia. 28.5 mm	1	791.030.00
Ball bearing, Dia. 19 mm	1	791.034.00

## Tongue & groove cutters

HM tongue & groove cutters Z=3, with chip limitation, teflon coated. Hole diameter 8 mm.

Width of cut mm	Diameter mm	Hole diameter mm	Order no.
1,5	47.06.00	8	822.315.11
1,6	47.06.00	8	822.316.11
1,8	47.06.00	8	822.318.11
2	47.06.00	8	822.320.11
2,2	47.06.00	8	822.322.11
2,4	47.06.00	8	822.324.11
2,5	47.06.00	8	822.325.11
2,8	47.06.00	8	822.328.11
3	47.06.00	8	822.330.11
3,2	47.06.00	8	822.332.11
3,5	47.06.00	8	822.335.11
4	47.06.00	8	822.340.11
4,8	47.06.00	8	822.348.11
5	47.06.00	8	822.350.11
6	47.06.00	8	822.360.11
6,4	47.06.00	8	822.364.11



## Spindle for tongue & groove cutters

Item	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
Spindle	724.060.00	924.080.00	924.120.00
Spindle with guide bearing	724.060.10	924.080.10	924.120.10

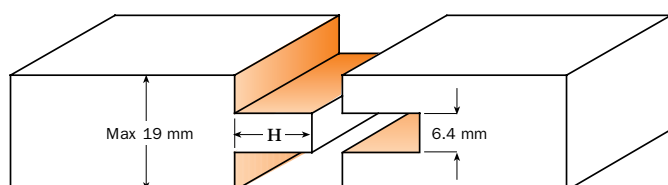


## Tongue & groove cutter kit Z = 3

Flute length, mm	Diameter mm	Depth of cut, mm	Order no. S = 12 mm
19	47,6	12,8	900.626.11

### SPARE PARTS

Ball bearing	791.005.00
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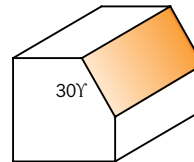
## Chamfer cutter with guide bearing

For chamfering all workpieces.

	Diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm
30°	27	9	709.260.11	909.260.11
45°	27	5,5	710.260.11	910.260.11

### SPARE PARTS

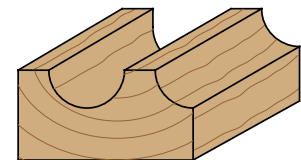
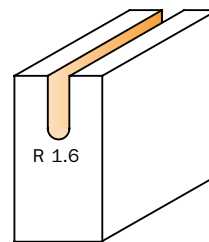
Ball bearing	791.018.00
Screw	990.057.00
Key	991.057.00



## Round nose cutters

For decorative grooves in furniture components, drain grooves on cutting boards etc.

Radius mm	Diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
1,6	3,2	9,5	714.032.11	914.032.11	
3	6	12,7	714.060.11	914.060.11	
4,75	9,5	6,4	714.095.11	914.095.11	
6,35	12,7	9,5	714.127.11	914.127.11	
6,35	12,7	31,7			914.627.11
7,9	15,8	9,5	714.160.11	914.160.11	
9,5	19	11,5	714.190.11	914.190.11	
9,5	19	31,7			914.690.11
12,7	25,4	31,7			914.754.11

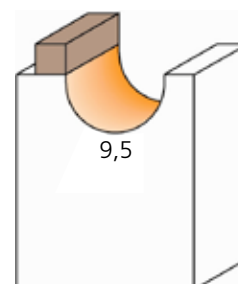


## Round nose cutters with guide bearing

Radius mm	Diameter mm	Flute length, mm	Diameter ball bearing mm	Order no. S = 6 mm	Order no. S = 8 mm
8	15,8	9,5	15,8		914.160.11B
9,5	19	11,5	19	714.190.11B	914.754.11

### SPARE PARTS

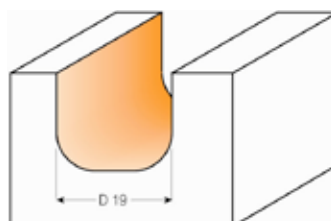
	D=15.8	D=19
Ball bearing	791.025.00	791.007.00
Stop ring	541.004.00	541.003.00
Key	991.056.00	991.056.00





## Round nose cutter with flat tip

Radius mm	Diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
19	16	6,4	751.002.11	951.002.11	951.501.11
31,7	16	6,4			951.502.11

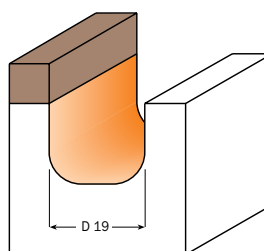


## Round nose cutters with flat tip and guide bearing

Diameter mm	Flute length, mm	Radius mm	Diameter ball bearing mm	Order no. S = 6 mm
19	16	6,4	19	751.002.11B

### SPARE PARTS

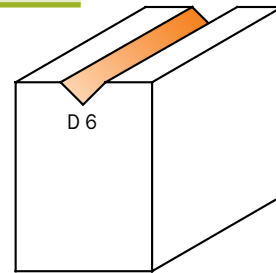
Ball bearing	791.007.00
Stop ring	541.003.00
Key	991.056.00



## V-tongue & groove cutters 90°

For decorative grooves, engraving jobs on furniture components and signs.

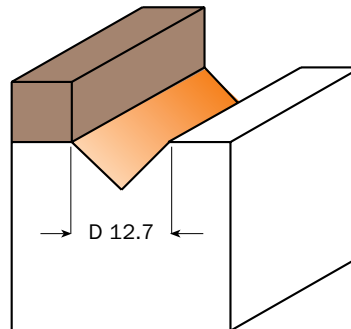
Diameter mm	Flute length, mm		Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
6	8	90°	715.060.11	915.060.11	
9,5	12,7	90°	715.095.11	915.095.11	
12,7	12,7	90°	715.127.11	915.127.11	
16	12,7	90°		915.160.11	915.660.11
19	16	90°	715.190.11		915.690.11



## V-tongue & groove cutters 90° with guide bearing

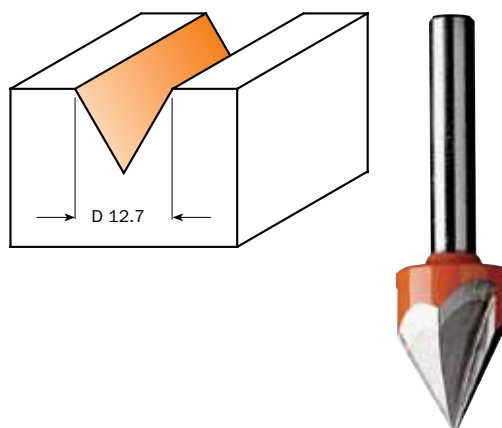
Diameter mm	Flute length, mm		Diameter ball bearing mm	Order no. S = 6 mm	Order no. S = 8 mm
16	12,7	90°	16		915.160.11B
19	16	90°	19	715.190.11B	

SPARE PARTS	D=12.7	D=16	D=19
Ball bearing	791.010.00	791.025.00	791.007.00
Stop ring	541.004.00	541.004.00	541.003.00
Key	991.056.00	991.056.00	991.056.00



## Signwriting cutters 60°

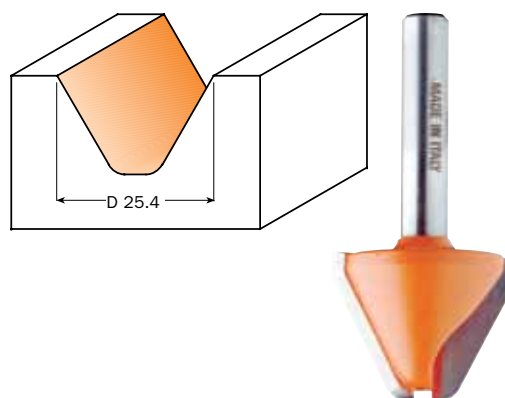
Diameter mm	Flute length, mm		Order no. S = 6 mm	Order no. S = 8 mm
12,7	11	60°	758.001.11	958.001.11



## Signwriting cutters 60°

The ideal cutter for cutting letters on large format signs. With flat tip and R=3.2 for stylishly rounded letters.

Diameter mm	Flute length, mm		Order no. S = 6 mm	Order no. S = 12 mm
25,4	19	60°	749.001.11	
28	19	60°		949.502.11



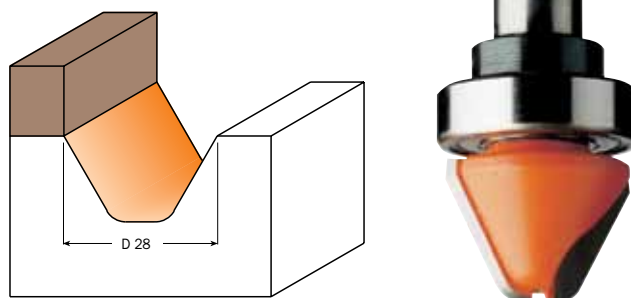
## Signwriting cutters 60° with guide bearing

For cutting letters on large format signs etc, with guide bearing for copy machining.

Diameter mm	Flute length, mm		Diameter ball bearing mm	Order no. S = 12 mm
28	19	60°	28	949.502.11B

### SPARE PARTS

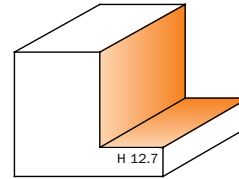
Ball bearing	791.026.00
Stop ring	541.005.00
Key	991.056.00



## Rabbeting cutter with guide bearing

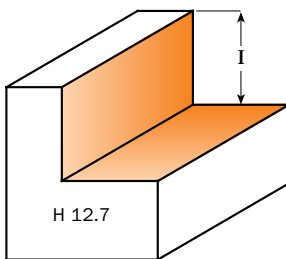
Depth of cut, mm	Diameter mm	Flute length, mm	Diameter ball bearing mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
9,5	31,7	12,7	12,7	735.317.11	935.317.11	935.817.11
9,5	31,7	19	12,7	735.318.11	935.318.11	
12,7	34,9	12,7	9,5	735.350.11	935.350.11	935.850.11
12,7	34,9	19	9,5			935.851.11

SPARE PARTS	D=9.5	D=12.7
Ball bearing	791.002.00	791.003.00
Screw	990.057.00	990.058.00
Key	991.057.00	991.057.00



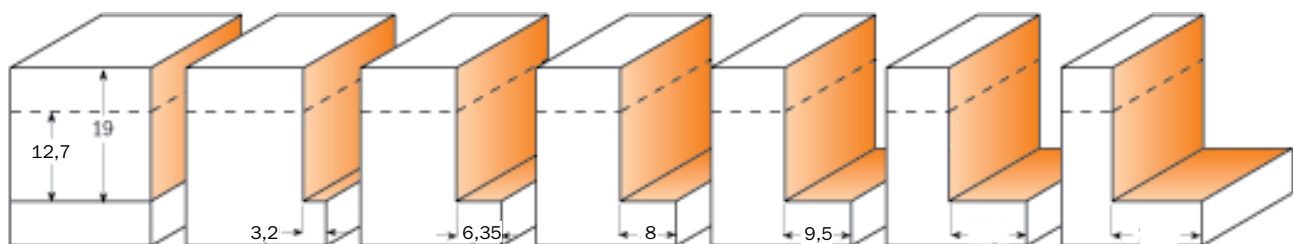
## Rabbeting cutter kit, with guide bearing

This kit provides several different rabbet dimensions, by just changing the guide bearing. The kit can also be used for joining components together in various ways.



Depth of cut, mm	Diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
0-12,7	34,9	12,7	735.001.11	935.001.11	935.501.11
0-12,7	34,9	19			935.502.11

The ball bearing kit by itself contains 6 different ball bearings 791.703.00



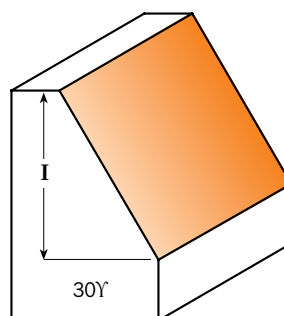
## Chamfer cutter with guide bearing

For chamfering and joining polygons

	Greatest diameter mm	Flute length, mm	Order no. S = 12 mm
11,25°	21,5	22	957.504.11
15°	24,5	22	957.503.11
22,5°	31	22	957.502.11
30°	38,5	22	957.501.11

### SPARE PARTS

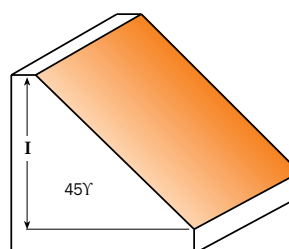
Ball bearing	791.003.00
Screw	990.057.00
Key	991.057.00



	Diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
15°	19	11,5	736.130.11	936.130.11	
25°	22,2	10	736.190.11	936.190.11	
45°	31,7	9,5	736.280.11	936.280.11	
45°	45	18	736.420.11	936.420.11	936.920.11
45°	65	26			936.950.11

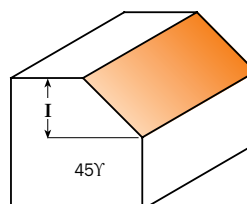
### SPARE PARTS

Ball bearing	791.003.00
Screw	990.057.00
Key	991.057.00



## Chamfer cutter with guide bearing

	Greatest diameter mm	Flute length, mm	Overall length, mm	Order no. S = 6 mm	Order no. S = 8 mm
15°	24	14	46	703.240.11	903.240.11
30°	26	12,7	44	704.240.11	904.240.11
45°	25	8	41	705.240.11	905.240.11

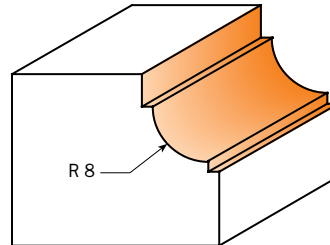


## Round nose profile cutters with guide bearing

Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
4,8	25,4	11,5	764.048.11	964.048.11	964.548.11
8	31,7	14,3	764.080.11	964.080.11	964.580.11

### SPARE PARTS

Ball bearing	791.002.00
Screw	990.057.00
Key	991.057.00

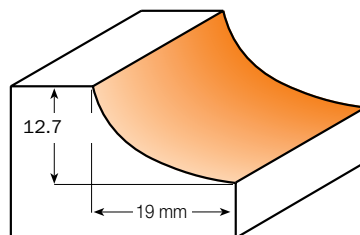
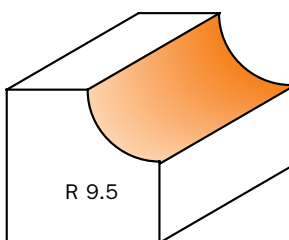
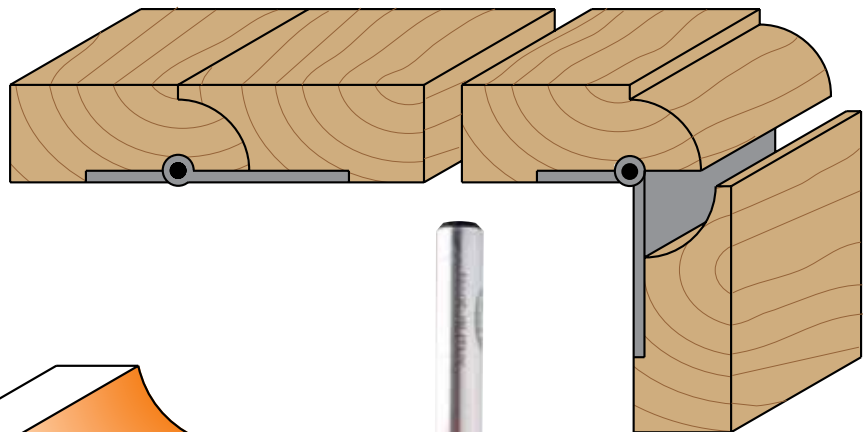


## Round nose cutters with guide bearing

Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
4,75	22,2	12,7	737.190.11	937.190.11	937.690.11
6,35	25,4	12,7	737.222.11	937.222.11	937.722.11
8	28,7	12,7	737.254.11	937.254.11	937.754.11
9,5	31,7	12,7	737.286.11	937.286.11	937.786.11
12,7	38,1	15,5	737.350.11	937.350.11	937.850.11
16	44,5	18,5			937.950.11
19	50,8	22,2			937.951.11
	50,8	12,7			937.955.11

### SPARE PARTS

Ball bearing	791.003.00
Screw	990.057.00
Key	991.057.00



## Rounding cutter with guide bearing

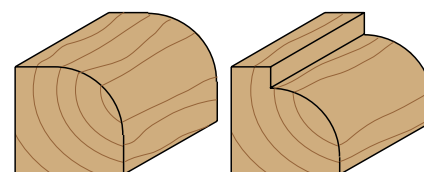
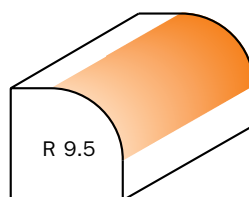
For rounding all types of workpieces. Can be used with a small or large guide bearing for chamfering beading.

Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
1,6	15,9	12,7	738.160.11	938.160.11	
3,2	19,1	12,7	738.190.11	938.190.11	
4,75	22,2	12,7	738.222.11	938.222.11	
6,35	25,4	12,7	738.254.11	938.254.11	938.754.11
8	28,6	12,7	738.285.11	938.285.11	
9,5	31,7	14	738.317.11	938.317.11	938.817.11
12,7	38,1	19	738.380.11	938.380.11	938.880.11
16	44,5	22		938.445.11	938.945.11
19	50,8	25,4			938.990.11
22,2	57,1	28,5			938.991.11
* 25,4	63,5	33,3			938.992.11
* 28,6	76,2	38,1			938.993.11
* 31,75	82,5	44,4			938.994.11



### SPARE PARTS

<b>Ball bearing</b>	791.003.00
	791.004.00 (D=25.6 and D=31.7)
<b>Screw</b>	990.058.00
<b>Key</b>	991.057.00



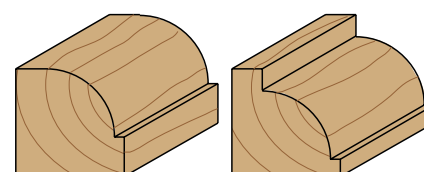
## Profile cutter with guide bearing

Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
1,6	15,9	12,7	738.160.11	938.160.11	
3,2	19,1	12,7	738.190.11	938.190.11	
4,75	22,2	12,7	738.222.11	938.222.11	
6,35	25,4	12,7	738.254.11	938.254.11	938.754.11
8	28,6	12,7	738.285.11	938.285.11	
9,5	31,7	14	738.317.11	938.317.11	938.817.11
12,7	38,1	19	738.380.11	938.380.11	938.880.11
16	44,5	22		938.445.11	938.945.11
* 25,4	63,5	33,3			938.992.11
* 28,6	76,2	38,1			938.993.11
* 31,75	82,5	44,4			938.994.11



### SPARE PARTS

<b>Ball bearing</b>	791.002.00
<b>Screw</b>	990.057.00
<b>Key</b>	991.057.00

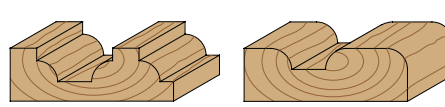


.....  
 : **SAFETY TIP:** Be extra careful when using large cutters.  
 : Work in stages, and take off a small amount of material each time. Preferably use a router table with stop.  
 : .....  
 : .....

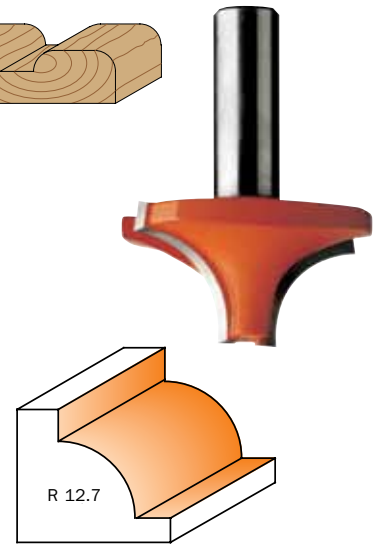
\* Should only be used in a router table.

## Rounding cutters without guide bearing

For machining quarter-round moulding, and profile machining. Has a tip cutter and can also be used for cutting decorative grooves.



Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
4	19	12	727.040.11	927.040.11	
5	21	12	727.050.11	927.050.11	
6	23	12	727.060.11	927.060.11	
8	28,6	12,7	727.080.11	927.080.11	
9,5	31,7	14	727.095.11	927.095.11	927.595.11
12,7	38,1	19			927.627.11
16	44,5	22,2			927.660.11
19	50,8	25,4			927.690.11
22,2	57,1	28,5			927.722.11
25,4	63,5	33,3			927.754.11



## Half round cutters

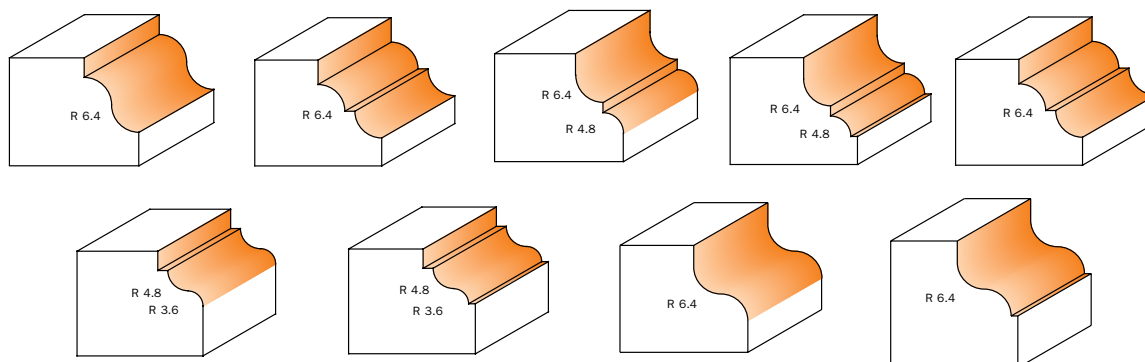
Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
3,2	22,2	19	754.002.11	954.002.11	954.502.11
4,75	25,4	22	754.003.11	954.003.11	954.503.11
6,35	28,6	25,5	754.004.11	954.004.11	954.504.11
9,5	34,9	35			954.507.11
12,7	44,5	41			954.509.11





## Profile cutters with guide bearings

For profiling all workpieces, such as hatches, mouldings, frames, mounting plates for deer antlers etc. The ball bearing is replaceable, to offer further opportunities.

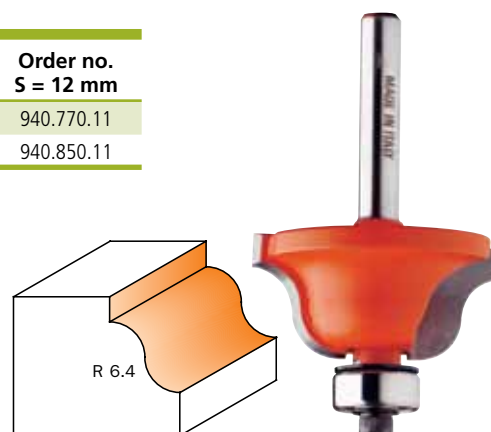


## Profile cutters with guide bearings

Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
4	28,7	11,5	740.270.11	940.270.11	940.770.11
6,4	38,1	17,3	740.350.11	940.350.11	940.850.11

### SPARE PARTS

Ball bearing	791.003.00
Screw	990.057.00
Key	991.057.00

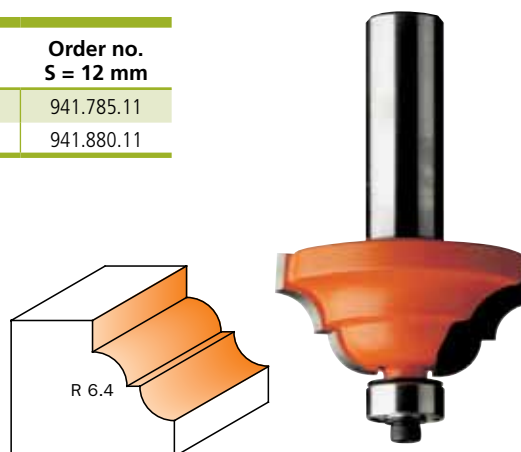


## Profile cutters with guide bearings

Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
4	33,4	13	741.285.11	941.285.11	941.785.11
6,4	42,8	18,5	741.380.11	941.380.11	941.880.11

### SPARE PARTS

Ball bearing	791.003.00
Screw	990.057.00
Key	991.057.00

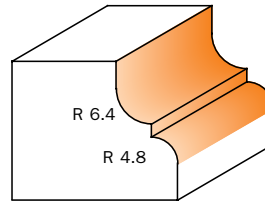


## Profile cutters with guide bearings

Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
4	28,7	13	744.287.11	944.287.11	944.787.11
6,4 / 4,8	35	18,5	744.350.11	944.350.11	944.850.11

### SPARE PARTS

Ball bearing	791.003.00
Screw	990.058.00
Key	991.057.00

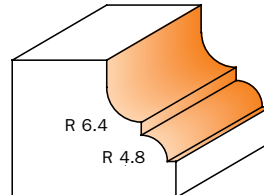


## Profile cutters with guide bearings

Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
4	28,7	13	745.287.11	945.287.11	945.787.11
6,4 / 4,8	35	18,5	745.350.11	945.350.11	945.850.11

### SPARE PARTS

Ball bearing	791.002.00
Screw	990.057.00
Key	991.057.00

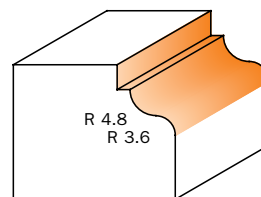


## Profile cutters with guide bearings

Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
4,8 / 3,6	34,2	13	746.325.11	946.325.11	946.825.11

### SPARE PARTS

Ball bearing	791.003.00
Screw	990.058.00
Key	991.057.00

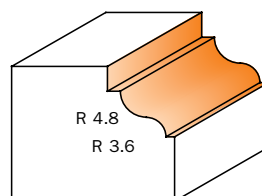


## Profile cutters with guide bearings

Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
4,8 / 3,6	34,2	13	747.325.11	947.325.11	947.825.11

### SPARE PARTS

Ball bearing	791.002.00
Screw	990.057.00
Key	991.057.00

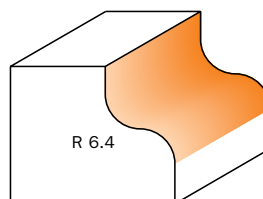


## Profile cutters with guide bearings

Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
4	28,7	13	759.040.11	959.040.11	959.540.11
6,4	38,1	18	759.064.11	959.064.11	959.564.11

### SPARE PARTS

Ball bearing	791.003.00
Screw	990.058.00
Key	991.057.00

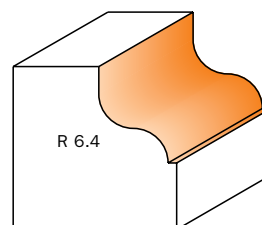


## Profile cutters with guide bearings

Radius mm	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
4	28,7	13	760.040.11	960.040.11	960.540.11
6,4	38,1	18	760.064.11	960.064.11	960.564.11

### SPARE PARTS

Ball bearing	791.002.00
Screw	990.057.00
Key	991.057.00



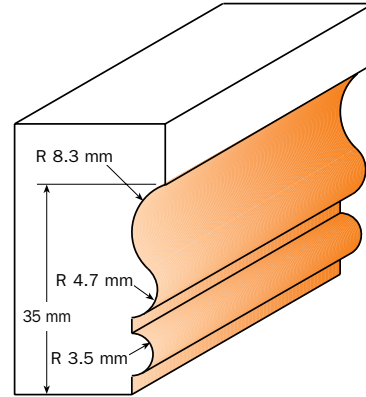
## Profile cutters with guide bearings

For profiling copings, picture frames etc.

Greatest diameter mm	Flute length, mm	Order no. S = 12 mm
23,8	35	955.901.11

### SPARE PARTS

Ball bearing	791.003.00
Screw	990.057.00
Key	991.057.00



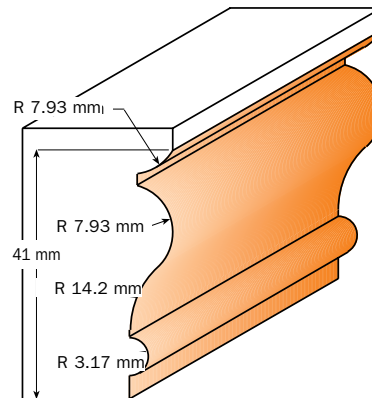
## Profile cutters with guide bearings

For profiling copings, picture frames etc.

Greatest diameter mm	Flute length, mm	Order no. S = 12 mm
27	41	955.902.11

### SPARE PARTS

Ball bearing	791.003.00
Screw	990.057.00
Key	991.057.00



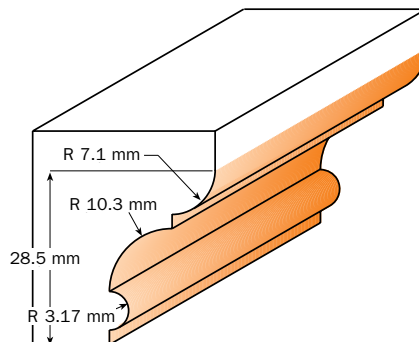
## Profile cutters with guide bearings

For profiling copings, picture frames etc.

Greatest diameter mm	Flute length, mm	Order no. S = 12 mm
47,5	28,5	956.501.11

### SPARE PARTS

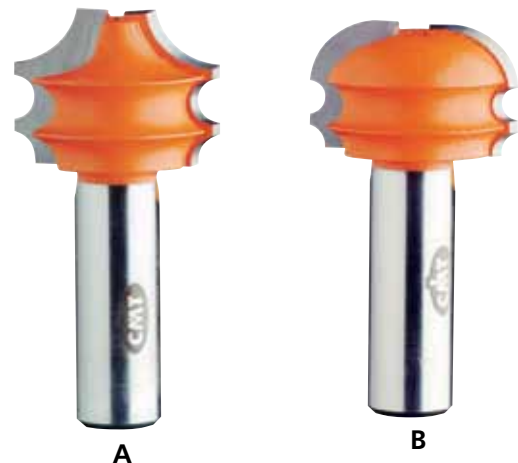
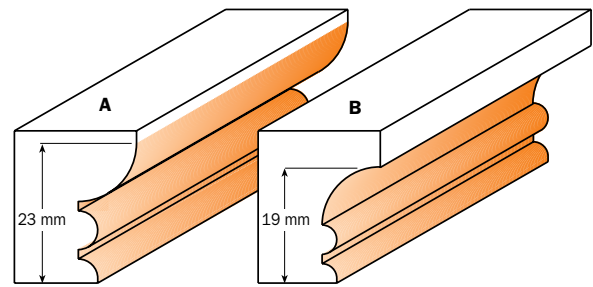
Ball bearing	791.003.00
Screw	990.057.00
Key	991.057.00



## Profile cutters

For profiling mouldings, frames, edges etc.  
Can produce many different profiles, possibly  
in multiple passes.

Profile	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm
A	31,7	23	956.852.11
B	31,7	19	956.851.11



## Profile cutters with guide bearings

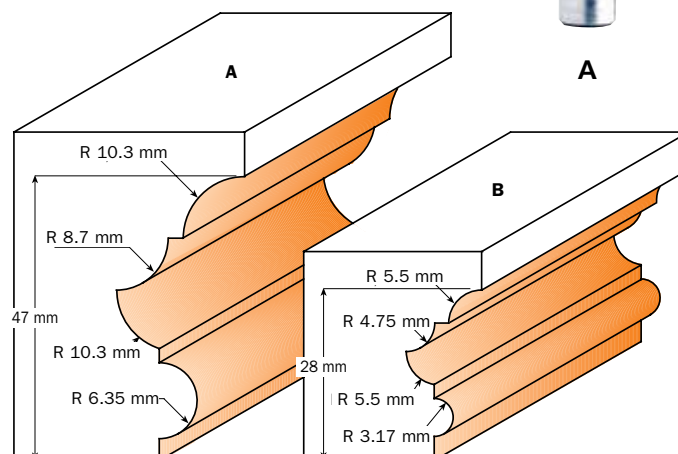
For profiling mouldings, frames, edges etc.  
Can produce many different profiles, possibly  
in multiple passes.

Profile	Greatest diameter mm	Flute length, mm	Order no. S = 6 mm
A	55,6	47	956.802.11
B	38,1	28	956.801.11



### SPARE PARTS

Ball bearing	791.003.00
Screw	990.057.00
Key	991.057.00



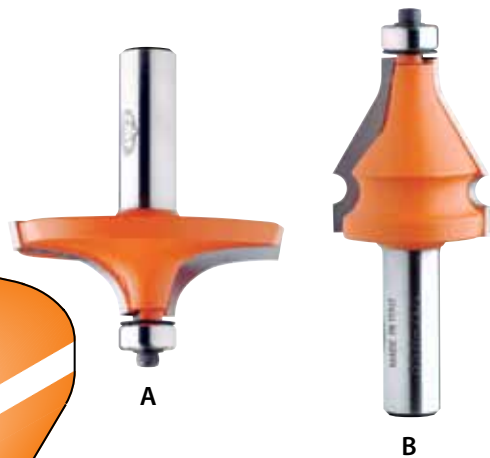
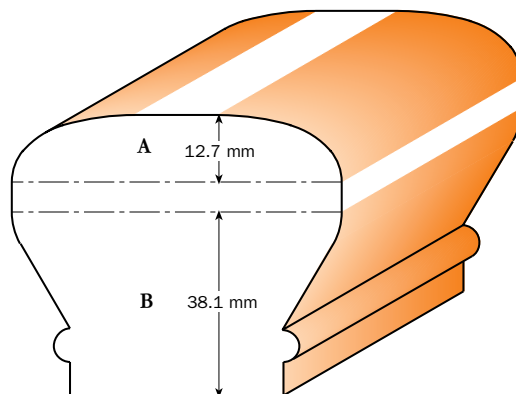
## Profile cutter for handles

For machining table edges and handrails in staircases.

Profile	Greatest diameter mm	Flute length, mm	Order no. S = 12 mm
A	63,5	19	956.601.11
B	35	38	956.701.11

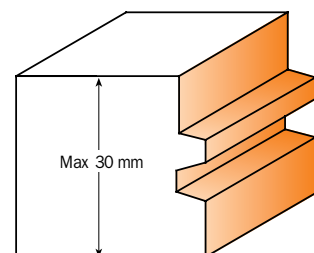
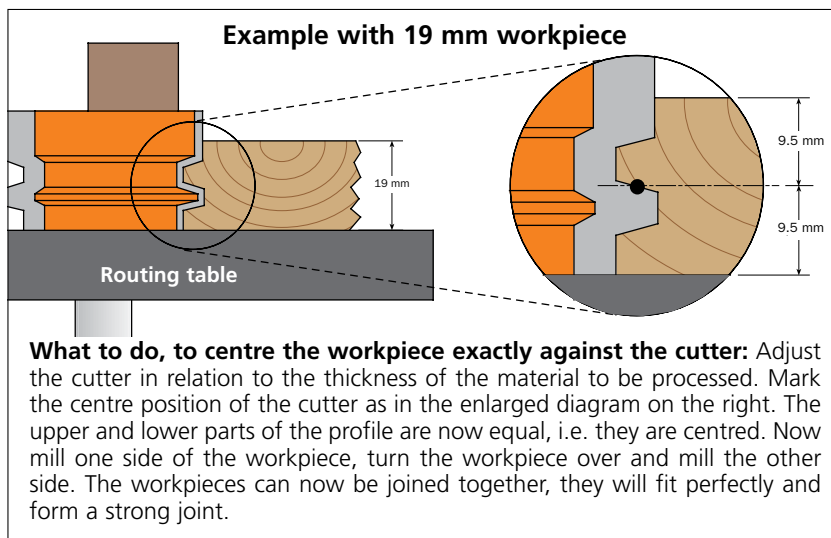
### SPARE PARTS

Ball bearing	791.003.00
Screw	990.057.00
Key	991.057.00



## Glue joint cutters

Wood thickness 15-30 mm.

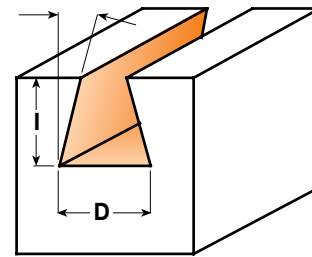


Greatest diameter mm	Flute length, mm	Order no. S = 12 mm
44,4	32	955.501.11

# Dovetail cutters

For rabbeting drawers, cabinets etc.

Greatest diameter mm	Flute length, mm		Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
9,5	9,5	9°	718.095.11	918.095.11	
12,7	12,7	14°	718.127.11	918.127.11	
16	22	7°	718.158.11	918.158.11	918.658.11
19	22	7°	718.190.11	918.190.11	918.690.11



# Corner joining cutter

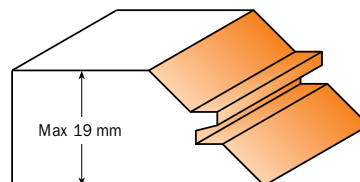
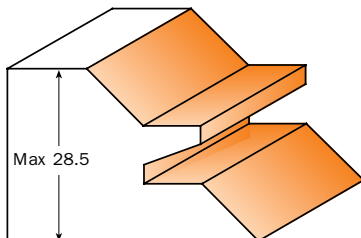
For corner and parallel joints.

**Example with 19 mm workpiece**

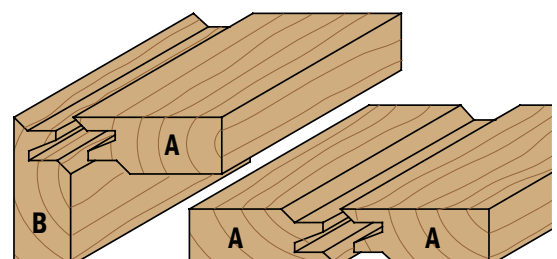
**Step 1**

**Step 2**

First mill one workpiece, lying flat on the table with the internal side outwards. Check that the workpiece is centred in relation to the cutter (stage 1). Then mill the other workpiece vertically, with the internal side facing the stop (stage 2).



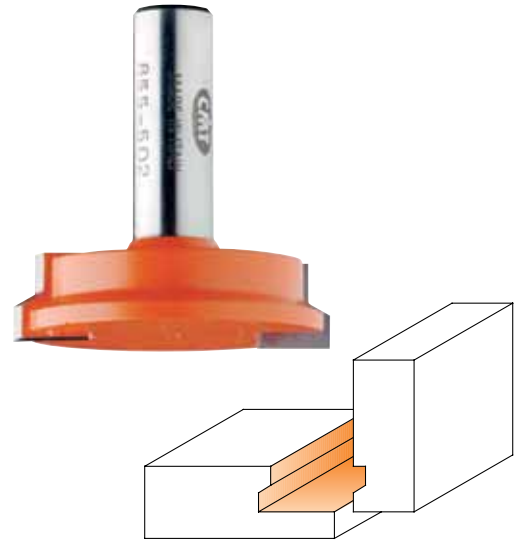
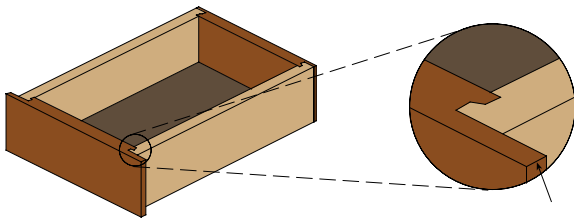
Greatest diameter mm	Flute length, mm		Workpiece thickness mm	Order no. S = 12 mm
70	31,7	45°	15 – 28,5	955.503.11
50,8	22,2	45°	9,5 – 19	955.504.11



## Drawer joining cutter

For corner joints in drawer sides etc.

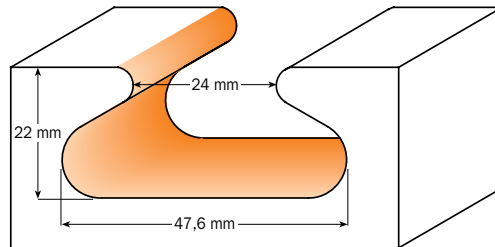
Greatest diameter mm	Flute length, mm	Order no. S = 6 mm	Order no. S = 8 mm	Order no. S = 12 mm
31,7	12,7	755.002.11	955.002.11	
50,8	12,7			955.502.11



## Drawer pull cutter

For machining handle profiles in drawer fronts and cupboard doors.

Greatest diameter mm	Flute length, mm	Order no. S = 12 mm
47,6	28,5	955.601.11

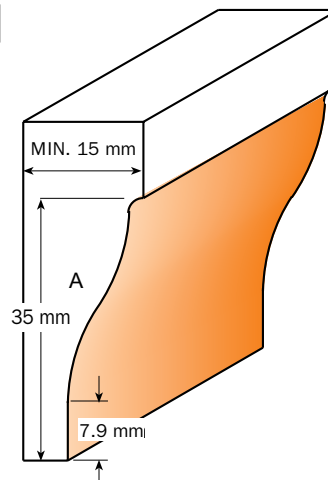
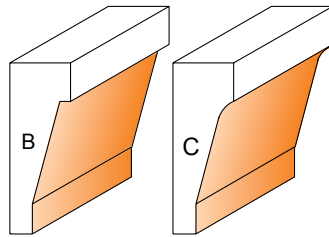




## Beading & panelling cutters

For free-hand machining of cupboard doors, drawers, panels etc.

**Safety tip:** Do not make the entire cut in one pass. Use 3-5 passes instead.



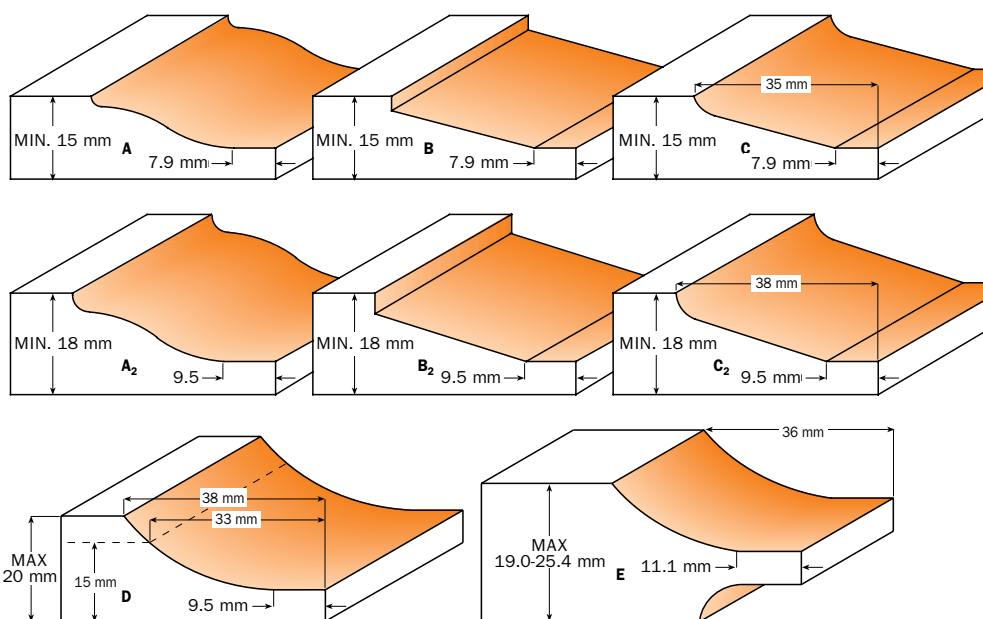
Profile	Largest diameter mm	Flute length, mm	Order no. S = 12 mm
A	38	38	990.601.11
B	38	38	990.602.11
C	38	38	990.603.11

## Beading & panelling cutter with guide bearing

For free-hand machining of cupboard doors, drawers etc.

**Safety tip:** Use a powerful hand-held router and not more than 10,000–12,000 rpm. We recommend routing with 3-5 passes

Profile	Greatest diameter mm	Flute length, mm	Order no. S = 12 mm
A	82,5	15	990.501.11
B	82,5	15	990.502.11
C	82,5	15	990.503.11
A <sub>2</sub>	89	15	990.504.11
B <sub>2</sub>	89	15	990.505.11
C <sub>2</sub>	89	15	990.506.11
D	89	15	990.507.11
E	89	19	990.527.11



# Profile and mating profile cutter kit

For profiles and mating profiles on cupboard doors etc. There are three different profiles to choose from. Please refer to the illustration below.

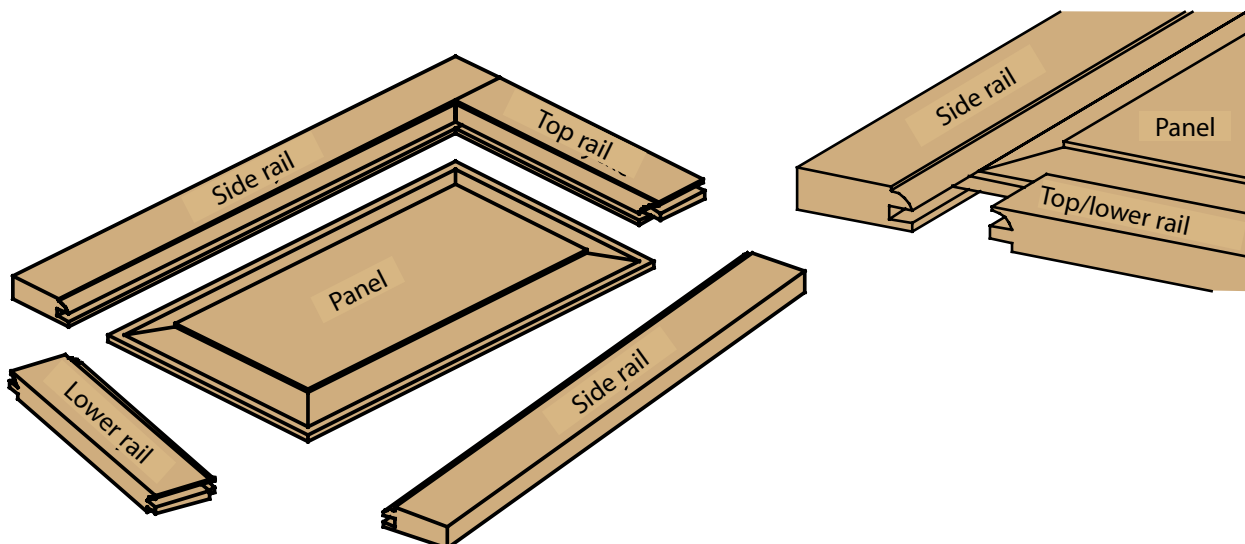
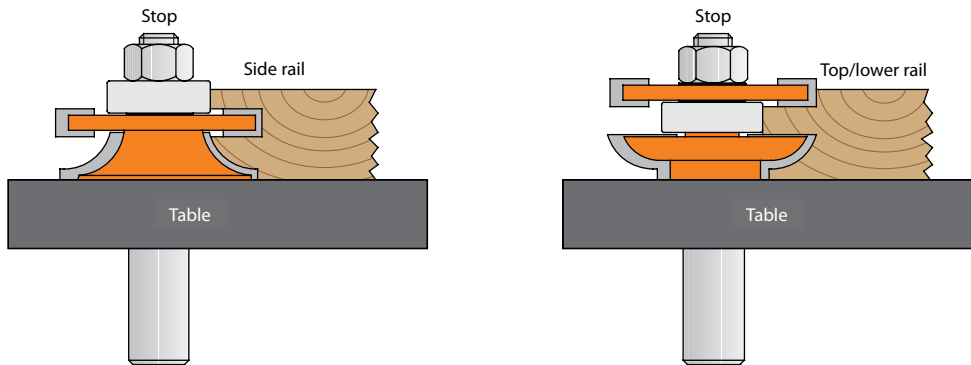
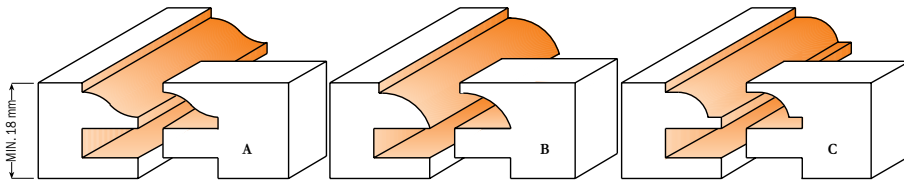
Profile	Greatest diameter mm	Material thickness, mm	Order no. S = 12 mm
A	44,4	18-22	991.501.11
B	44,4	18-22	991.502.11
C	44,4	18-22	991.503.11

### SPARE PARTS

Tongue & groove cutter	6 mm	822.003.11
Ball bearing	Ø22 mm	791.012.00
Shim	0.1 mm	541.515.00
Shim	0.3 mm	541.516.00
Shim	0.5 mm	541.517.00
Nut	M8	990.020.00



Only sold as a complete kit



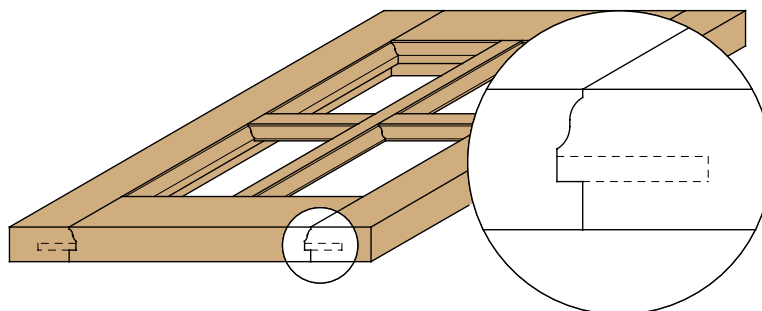
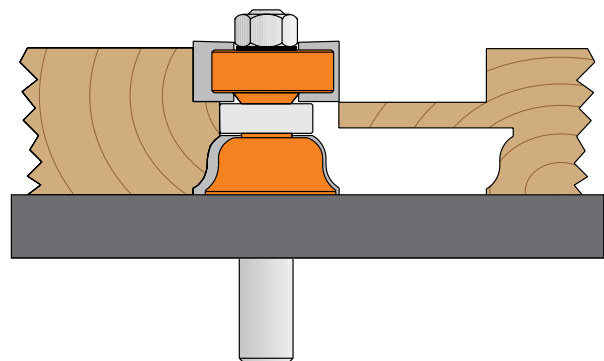
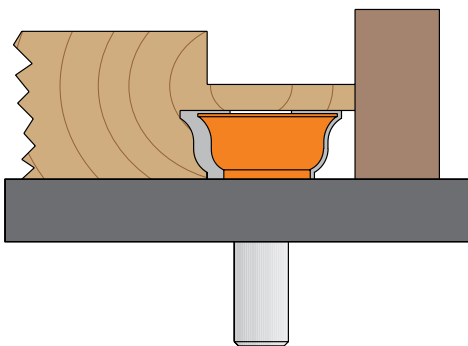
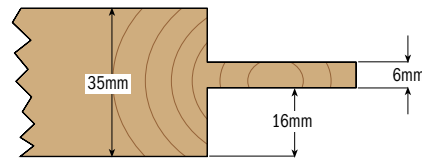
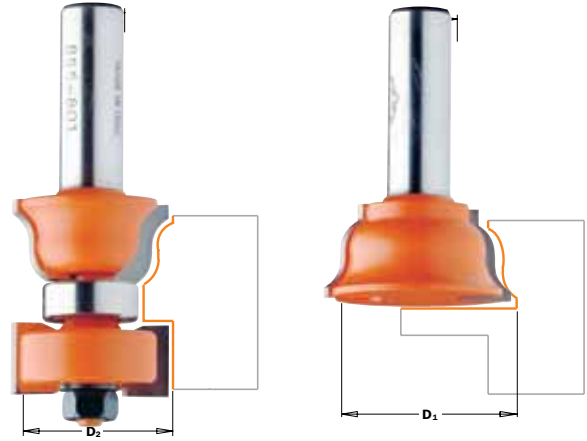
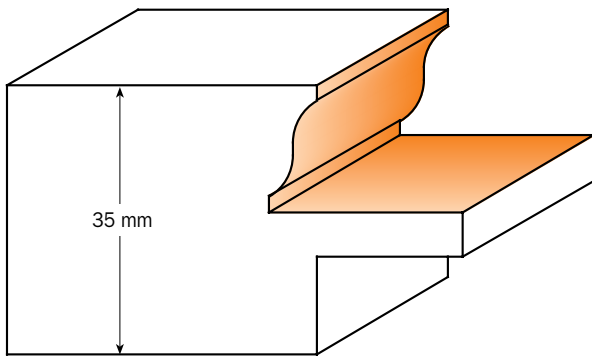
# Profile and mating profile kit

For profiles and mating profiles on cupboard doors, glazing bars etc.

Ø mating profile cutter mm	Ø profile cutter mm	Order no. S = 12 mm
38	35	955.801.11

### SPARE PARTS

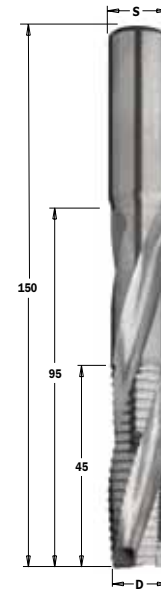
Tongue & groove cutter	14 mm	822.004.11
Shim	1 mm	541.518.00
Ball bearing	Ø22 mm	791.012.00
Nut	M8	990.020.00



## Spiral cutters, solid HM (serrated) Z2

A new range of solid hard metal spiral cutters. Made from hard metal, developed in collaboration with Cerametal in Luxembourg. These cutters are suitable for use with all types of wood, MDF, chipboard and plastics. The cutters can be used in both CNC routers and hand-held routers.

Diameter mm	Flute length, mm	Overall length, mm	Order no. Right	Order no. Left
8	32	80	195.081.11	195.081.12
8	42	90	195.082.11	
10	32	80	195.100.11	195.100.12
10	42	90	195.101.11	
12	35	80	195.120.11	195.120.12
12	42	90	195.121.11	
12	52	100	195.122.11	
14	58	110	195.140.11	
16	55	110	195.160.11	195.160.12
16	35	90	195.161.11	
18	55	110	195.180.11	
20	60	120	195.200.11	195.200.12
20	70	120	195.201.11	

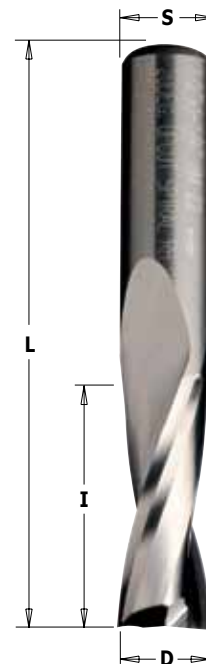


Diameter mm	Flute length, mm	Overall length, mm	Order no. Right	Order no. Left
8	32	80	196.081.11	
10	42	90	196.101.11	
12	35	80	196.120.11	196.120.12
14	50	110	196.140.11	
16	55	110	196.160.11	196.160.12
18	55	110	196.180.11	
20	60	120	196.200.11	196.200.12



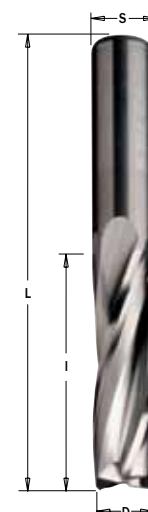
## Solid spiral cutter, positive rake Z2

Diameter mm	Flute length, mm	Overall length, mm	Shank diameter	Order no. Right
3	12	50	3	191.030.11
3	12	60	6	191.630.11
3	12	60	8	191.830.11
3,5	12	60	6	191.635.11
4	15	50	4	191.040.11
4	15	60	6	191.640.11
4	15	60	8	191.840.11
5	17	50	5	191.050.11
5	17	60	6	191.650.11
5	17	60	8	191.850.11
6	27	70	6	191.060.11
6	22	70	8	191.860.11
7	32	80	8	191.870.11
8	22	70	8	191.080.11
8	32	80	8	191.081.11
8	42	90	8	191.082.11
9	32	80	12	191.890.11
10	32	80	8	191.800.11
10	32	80	10	191.100.11
10	32	80	12	191.900.11
10	42	90	10	191.101.11
10	42	90	12	191.901.11
12	35	80	8	191.820.11
12	35	80	12	191.120.11
12	42	90	12	191.121.11
12	52	100	12	191.122.11
14	50	110	14	191.140.11
16	55	110	16	191.160.11
16	35	90	16	191.161.11
20	60	120	20	191.200.11



## Solid spiral cutter, positive rake Z3

Diameter mm	Flute length, mm	Overall length, mm	Order no. Right	Order no. Left
8	32	80	193.081.11	193.081.12
10	32	80	193.100.11	193.100.12
10	42	90	193.101.11	
12	35	80	193.120.11	193.120.12
12	42	90	193.121.11	
14	58	110	193.140.11	
16	55	110	193.160.11	193.160.12
16	35	90	193.161.11	
18	55	110	193.180.11	
20	60	120	193.200.11	193.200.12
20	70	120	193.201.11	



## Solid spiral cutter kit, negative rake Z2

Diameter mm	Flute length, mm	Overall length, mm	Shank diameter mm	Order no. Right
3	12	50	3	192.030.11
3	12	60	6	192.630.11
3	12	60	8	192.830.11
4	15	50	4	192.040.11
4	15	60	6	192.640.11
4	15	60	8	192.840.11
5	17	50	5	192.050.11
5	17	60	6	192.650.11
5	17	60	8	192.850.11
6	22	70	6	192.060.11
6	22	70	8	192.860.11
8	22	70	8	192.080.11
8	32	80	8	192.081.11
8	42	90	8	192.082.11
10	32	80	8	192.800.11
10	32	80	10	192.100.11
10	32	80	12	192.900.11
12	35	80	8	192.820.11
12	35	80	12	192.120.11
16	55	110	16	192.160.11



## Solid spiral cutter kit, negative rake Z3

Diameter mm	Flute length, mm	Overall length, mm	Order no. Right	Order no. Left
10	32	80	194.101.11	
12	35	80	194.120.11	194.120.1
14	50	110	194.140.11	
16	55	110	194.160.11	194.160.12
16	35	90	194.161.11	
18	55	110	194.180.11	
20	60	120	194.200.11	194.200.12



## Solid HM spiral cutters, "double rake"

Solid HM spiral cutters, positive/negative rake, right

Diameter mm	Flute length, mm	Overall length, mm	Z	Order no. Shank=D
8	32	80	Z2+2	190.080.11
10	32	80	Z2+2	190.100.11
12	42	90	Z2+2	190.120.11
16	55	110	Z2+2	190.160.11
18	55	110	Z2+2	190.180.11



## Solid HM spiral cutter kit

Contains the 5 most popular spiral cutters.

Positive cutter kit, positive rake

Contents	Order no. S = 8 mm
Five solid spiral cutters diameters 4, 6, 8, 10 and 12 mm	191.000.01

Negative cutter kit, negative rake

Contents	Order no. S = 8 mm
Five solid spiral cutters diameters 4, 6, 8, 10 and 12 mm	192.000.01



# Accessories

## Collet vice

S mm	D	Order no.
M12x1	For 6 - 6.35 - 8 - 9.5 mm	796.000.00
M10	For 6 - 6.35 - 8 - 9.5 mm	796.100.00
M12x1	For 10 - 12 - 12.7 mm	796.121.00

Bushes are supplied separately, see below.



## Collet vice

S mm	D	Order no.
M14x2	For 6 - 6.35 - 8 - 9.5 mm	796.140.00
M14x2	For 10 - 12 - 12.7 mm	796.141.00
M16x2	For 6 - 6.35 - 8 - 9.5 mm	796.160.00
M16x2	For 10 - 12 - 12.7 mm	796.161.00

Bushes are supplied separately, see below.



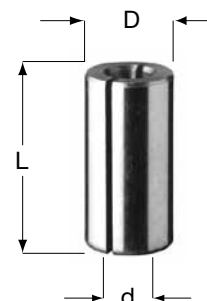
## Collet bushing

D3 mm	Order no.
6	796.560.00
6,35	796.564.00
8	796.580.00
9,5	796.595.00
10	796.600.00
12	796.620.00
12,7	796.627.00



## Sleeves

d mm	D mm	L mm	Order no.
6	8	25	799.060.00
6	9,5	25	799.160.00
6	12	25	799.260.00
6,35	8	25	799.064.00
6,35	9,5	25	799.164.00
6,35	12,7	25	799.264.00
8	9,5	25	799.180.00
8	10	25	799.280.00
8	12	25	799.380.00
6	13	25	13-June
8	13	25	13-Aug
12	13	25	13-Dec
16	19	30	16-19

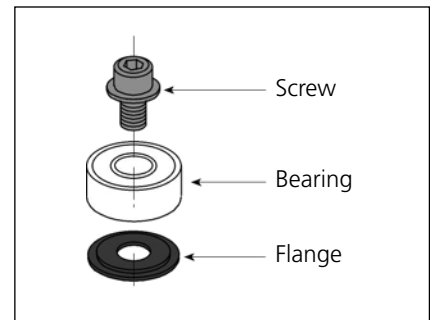




# Accessories

## Ball bearing

Greatest diameter mm	Hole diameter mm	Degrees	Width mm	Order no.
9,5	4,76		3,2	791.002.00
12,7	4,76		5	791.003.00
12,7	6,35		4,8	791.010.00
13	5		4	791.022.00
13	6		5	791.023.00
15	6		5	791.024.00
15,8	4,76		5	791.018.00
15,8	6,35		5	791.009.00
16	5		5	791.006.00
16	8		5	791.025.00
19	4,76		7,5	791.019.00
19	6		6	791.007.00
19	6,35		7	791.004.00
19	8		6	791.034.00
19	12,7		4	791.011.00
22	8		6	791.012.0
22	8		7	791.005.00
22,2	4,76		7,5	791.017.00
22,2	9,52		7	791.021.00
28	12		8	791.026.00
28,5	4,76		8,4	791.014.00
28,5	8		8,5	791.030.00
28,5	12,7		8	791.027.00
31,7	8		5	791.033.00
31,7	12,7		10	791.015.00
34,9	4,76		11,5	791.016.00
34,9	8		11,6	791.031.00
34,9	12,7		11	791.029.00
37	12		12	791.028.00
38,1	12,7		13,3	791.020.00
19	4,76	10°	6,8	791.041.00



Make sure that the washer and flange are correctly located in relation to bearing function.

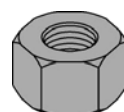
## Protection washer for ball bearing

Item	Order no.
Protective washer for ball bearing with Ø 9.5 mm	990.422.00
Protective washer for ball bearing with Ø 12.7 mm	990.423.00



## Nut for shank

Item	Order no.
Nut, M8 thread	990.020.00
Nut M12 x 1.25 thread	990.022.00



## Spare parts

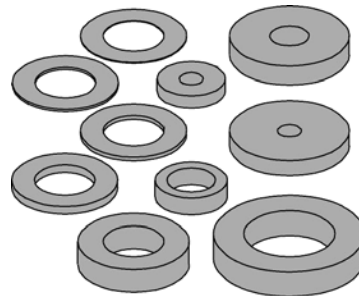
### Stop ring for ball bearing

Item	Order no.
Stop ring for ball bearing with d = 6 mm	541.003.00
Stop ring for ball bearing with d = 6.35 mm	541.001.00
Stop ring for ball bearing with d = 8 mm	541.004.00
Stop ring for ball bearing with d = 12 mm	541.005.00
Stop ring for ball bearing with d = 12.7 mm	541.002.00
Stop ring for ball bearing with d = 9.5 mm	541.006.00



### Spacer rings / Shank shims

Hole diameter d = mm	External diameter D=mm	Width mm	Order no.
8	14	0,1	541.515.00
8	14	0,3	541.516.00
8	14	0,5	541.517.00
8	14	1	541.518.00
8	14,7	3	541.500.00
8	14,7	4	541.501.00

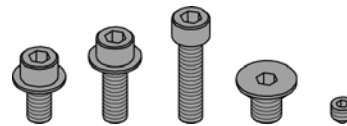


### Washers

Hole diameter d = mm	External diameter D=mm	Width mm	Order no.
12	20	2	541.512.00
6,4	9,52	2,2	541.514.00
12	20	3,5	541.511.00
3,25	9	1,6	541.550.00
5,2	15,8	2,5	541.551.00
3,25	15,5	2	541.552.00

### Screw for ball bearing

Item	Order no.
Screw for 541	990.005.00
Screw 1/8W x 1/4"	990.057.00
Screw 3/8W x 1/8"	990.058.00
Screw M4	990.004.00
Screw 1/8W x 1/2"	990.059.00



### Allen key

Item	Order no.
3/32" wrench	991.057.00
2.5 mm wrench	991.062.00
1.5 mm wrench	991.056.00





# DRILLS

**A drill is a sensitive tool, where sharpness and quality are clearly noticeable. For this reason, we specify extra high quality for the drills we have chosen to offer. Highest quality hard metal wood-drills from CMT and Log21, made in Austria, are two variants we can recommend without reservation.**

**We also have a range of special tools, such as countersinks, long hole drills and circular bit borers.**

# Knot drill kit

Kit contains 5 knot drills with tool steel cutters. Supplied in a practical box.

Item	Order no.
Knot drill 15-20-25-30-35 mm. Shank 10 mm.	WP43-5



# Knot drill

tool steel, with centre tip and 2 teeth.

Part no.	Diameter (D)	Length (L)	Shank
WP4308	8	90	8
WP4310	10	90	8
WP4312	12	90	8
WP4314	14	90	8
WP4315	15	90	8
WP4316	16	90	8
WP4317	17	90	8
WP4318	18	90	8
WP4319	19	90	8
WP4320	20	90	8
WP4321	21	90	8
WP4322	22	90	8
WP4323	23	90	8
WP4324	24	90	8
WP4325	25	90	8
WP4326	26	90	8
WP4328	28	90	8
WP4330	30	90	10
WP4332	32	90	10
WP4334	34	90	10
WP4335	35	90	10
WP4336	36	90	10
WP4338	38	90	10
WP4340	40	90	10
WP4342	42	90	10
WP4345	45	90	10
WP4350	50	90	10
WP4355	55	90	10
WP4360	60	160	12,5
WP4370	70	160	12,5
WP4380	80	160	12,5
WP4390	90	160	12,5



## Long hole drill

Made from tool steel. Two blade, with a cylindrical shank, the same diameter as the drill. Left or right handed.

Part no.	Diameter (D)	Length (L)	Shank
WP2106H	6	110	13
WP2106V	6	110	13
WP2108H	8	115	13
WP2108V	8	115	13
WP2110H	10	125	13
WP2110V	10	125	13
WP2112H	12	135	13
WP2112V	12	135	13
WP2114H	14	145	13
WP2114V	14	145	13
WP2116H	16	155	13
WP2116V	16	155	13



### Kit

Part no.	Diameter	Rotation	Shank
WP21-6V	6, 8, 10, 12, 14, 16	Left	13
WP21-6H	6, 8, 10, 12, 14, 16	Right	13

## Wood drill

Made from tool steel with centre tip.

Part no.	Diameter (D)	Length (L)	Shank
WP401203	2	3	60
WP401204	2	4	70
WP401205	2	5	85
WP401206	1	6	90
WP401207	1	7	100
WP401208	1	8	110
WP401209	1	9	110
WP401210	1	10	115
WP4012105	1	10,5	120
WP401211	1	11	125
WP401212	1	12	140



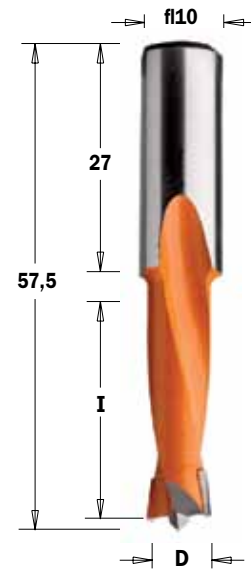
### Wood drill kits CMT

Item	Order no.
5 piece drill kit, Ø4-5-6-8-10 mm. HS	517.001.01
5 piece drill kit, Ø4-5-6-8-10 mm. SP	517.001.00
8 piece drill kit, Ø3-4-5-6-7-8-9-10 mm HS	517.002.01
8 piece drill kit, Ø3-4-5-6-7-8-9-10 mm SP	517.002.00



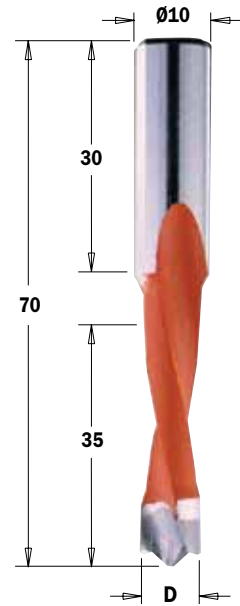
## Brad point drill, shank $\text{\O}10 \times 27$ mm

Diameter mm	Flute length, mm	Overall length, mm	Order no. Right	Order no. Left
4	18	57,5	310.040.11	310.040.12
5	27	57,5	310.050.11	310.050.12
6	27	57,5	310.060.11	310.060.12
7	27	57,5	310.070.11	310.070.12
8	27	57,5	310.080.11	310.080.12
9	27	57,5	310.090.11	310.090.12
10	27	57,5	310.100.11	310.100.12
11	27	57,5	310.110.11	310.110.12
12	27	57,5	310.120.11	310.120.12
13	27	57,5	310.130.11	310.130.12
14	27	57,5	310.140.11	310.140.12
15	27	57,5	310.150.11	310.150.12
16	27	57,5	310.160.11	310.160.12



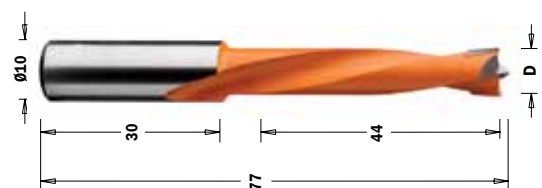
## Brad point drill, shank $\text{\O}10 \times 30$ mm

Diameter mm	Flute length, mm	Overall length, mm	Order no. Right	Order no. Left
4	26	70	311.040.11	311.040.12
5	35	70	311.050.11	311.050.12
6	35	70	311.060.11	311.060.12
7	35	70	311.070.11	311.070.12
8	35	70	311.080.11	311.080.12
9	35	70	311.090.11	311.090.12
10	35	70	311.100.11	311.100.12
11	35	70	311.110.11	311.110.12
12	35	70	311.120.11	311.120.12
13	35	70	311.130.11	311.130.12
14	35	70	311.140.11	311.140.12
15	35	70	311.150.11	311.150.12
16	35	70	311.160.11	311.160.12



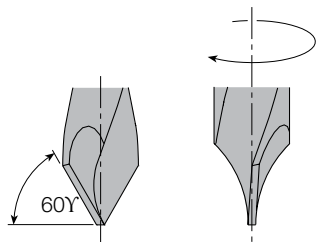
## Brad point drill, shank $\text{\O}10 \times 30$ mm

Diameter mm	Flute length, mm	Overall length, mm	Order no. Right	Order no. Left
5	44	77	362.050.11	362.050.12
6	44	77	362.060.11	362.060.12
7	44	77	362.070.11	362.070.12
8	44	77	362.080.11	362.080.12
10	44	77	362.100.11	362.100.12
12	44	77	362.120.11	362.120.12

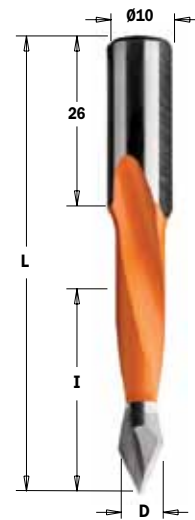


## Brad point drill 60°

Diameter mm	Flute length, mm	Overall length, mm	Order no. Right	Order no. Left
4	30	70	314.040.11	314.040.12
5	35	70	314.050.11	314.050.12
6	35	70	314.060.11	314.060.12
7	35	70	314.070.11	314.070.12
8	35	70	314.080.11	314.080.12
9	35	70	314.090.11	314.090.12
10	35	70	314.100.11	314.100.12
12	35	70	314.120.11	314.120.12

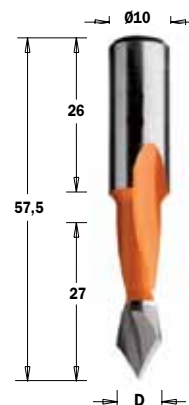


For drilling through holes  
shank  $\varnothing 10 \times 26 \text{ mm}$



## Brad point drill 60°

Diameter mm	Flute length, mm	Overall length, mm	Order no. Right	Order no. Left
5	27	57,5	313.050.11	313.050.12
6	27	57,5	313.060.11	313.060.12
8	27	57,5	313.080.11	313.080.12
10	27	57,5	313.100.11	313.100.12



For drilling through  
holes, shank  
 $\varnothing 10 \times 26 \text{ mm}$

## Drill for Festool® Domino® jointer

Diameter mm	Flute length, mm	Overall length, mm	S mm	Order no. Right
5	20	49	M6x0.75	380.050.11
6	28	49	M6x0.75	380.060.11
8	28	49	M6x0.75	380.080.11
10	28	49	M6x0.75	380.100.11

## Hinge rabbet drill

Hard metal drill, for hinges in kitchen cabinet doors, wardrobe doors etc.

Part no.	Diameter	Overall length	Shank
WP4526	26	60	8
WP4530	30	60	8
WP4535	35	60	8



## Adjustable countersink HM Z=2

Two-blade HM countersink, quick and easy drill changing. Used with a helical drill with parallel shank.

Part no.	Countersink diameter mm	Drill diameter mm
WP6200	11 to 15	3 to 7

Helical drill not included



## Countersink

Tool steel, used with existing drills. Point angle 90 degrees.

Part no.	Drill	Diameter
63030	3	16
63035	3,5	16
63040	4	16
63045	4,5	16
63050	5	16
63055	5,5	16
63060	6	16
63065	6,5	20
63070	7	20
63080	8	20
63090	9	20
63010	10	20



## Doorframe drill

Used for installing door and window frames with adjustable distance screws.

Part no.	Diameter 1/length	Diameter 2/length
WP6400	5 / 30	14 / 55





## Egg cup drill

Part no.	Diameter (D)	Height	Length (L)	Shank
46340	39	38	120	8



## Square hole mortise chisel with drill

Made from tool steel, for square or rectangular holes.

Part no.	Diameter (D)	Length (L)	Anchorage
WPH040516	6,4	220	19
WPH040518	8	220	19
WPH0405110	9,5	220	19
WPH0405111	11	220	19
WPH0405112	12,7	220	19
WPH0405114	14	220	19
WPH0405116	16	220	19



## Mortise chisel kit for hand-held drill

You will have to use a heavy drill press, to get a good result with a hand-held drill. It is necessary to fix the workpiece in place.

Part no.	Throat width
8200	43 mm



## Mortise chisel kit for pillar drill

It is necessary to fix the workpiece in place, to stop the workpiece from rising up when the spindle returns.

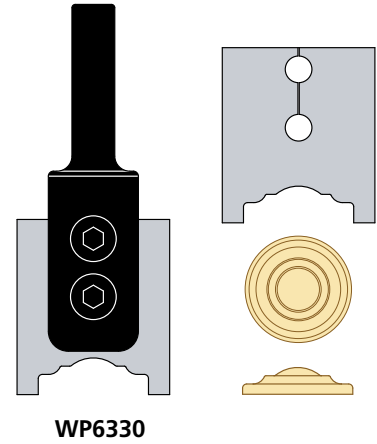
Part no.	Throat width
8300	55-66 mm



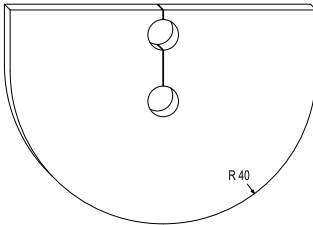
# Drill cutter

This tool can be used to mill/drill wood. Very handy for many different types of woodwork. The tool is intended for use in a pillar drill at relatively low speeds (below 1,000 rpm). The workpiece MUST be securely fixed during machining. Cutters to your specification can be ordered.

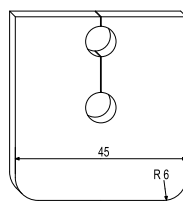
Part no.	Description
WP6310	Drill cutter, spindle 13 mm, length 110 mm
WP6321	Cutter for large cup D = 80 mm
WP6322	Cutter for small cup D = 50 mm
WP6323	Cutter for hole in plank steak board D = 45 mm
WP6324	Cutter for Egg cup D = 39 mm
WP6330	Cutter for Decorative knob D = 33 mm



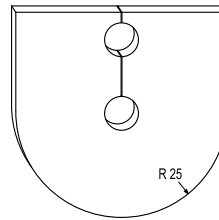
**WP6321**



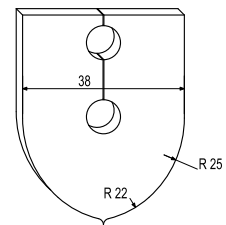
**WP6323**



**WP6322**



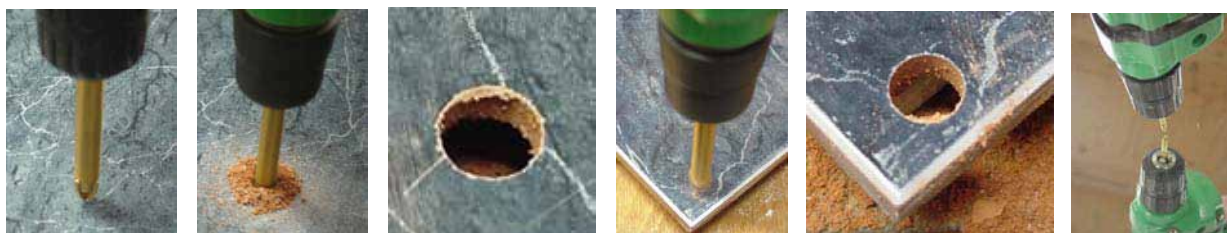
**WP6324**



# Titanium Multidrill

Drills through wood, plastic, steel, stone, aluminium, glass and brick  
Four cutting edges

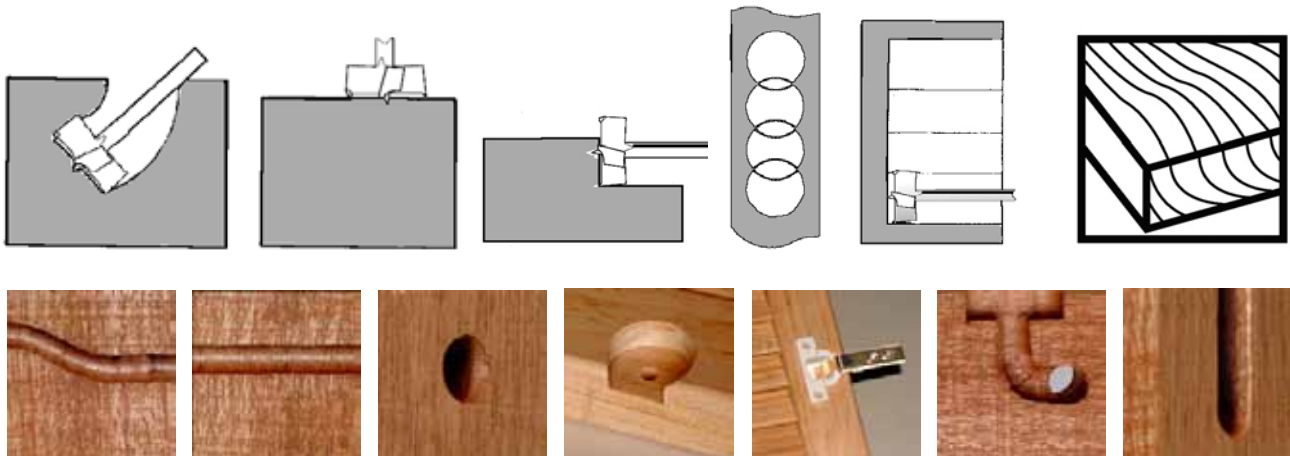
Part no.	Description
MD1004	Multi-drill 4 mm tin coated
MD1005	Multi-drill 5 mm tin coated
MD10055	Multi-drill 5.5 mm tin coated
MD1006	Multi-drill 6 mm tin coated
MD10065	Multi-drill 6.5 mm tin coated
MD1007	Multi-drill 7 mm tin coated
MD1008	Multi-drill 8 mm tin coated
MD1010	Multi-drill 10mm tin coated
MD1012	Multi-drill 12mm tin coated
MD1014	Multi-drill 14mm tin coated
MD1015	Multi-drill 15mm tin coated
MD1016	Multi-drill 16 mm tin coated
MD2005	Multi-drill set tin coated 5 items: 4 -5 -6 -8 -10 mm
MD2006	Multi-drill set tin coated 5 items: 5.5 - 6,5 - 7 - 8 - 10 mm
MD2009	Multi-drill set tin coated 9 items: 4-5-6-8-10-12-14-15-16 mm



# 3-WayDrill, Titanium

Three-dimensional wood drill

Part no.	Description
MAD-110	3-WayDrill 10mm Titanium
MAD-112	3-WayDrill 12mm Titanium
MAD-115	3-WayDrill 15mm Titanium
MAD-118	3-WayDrill 18mm Titanium
MAD-120	3-WayDrill 20mm Titanium
MAD-122	3-WayDrill 22mm Titanium
MAD-125	3-WayDrill 25mm Titanium
MAD-128	3-WayDrill 28mm Titanium
MAD-130	3-WayDrill 30 mm Titanium
MAD-132	3-WayDrill 32 mm Titanium
MAD-135	3-WayDrill 35 mm Titanium
MAD-204P	3-WayDrill, 4 item SET 15-18-20-22 mm +DVD
MAD-208	3-WayDrill 8 item SET 10-12-15-18-20-22-25-32 mm
MAD-205	3-WayDrill 5 items. SET 15-20-25-30-35 mm
MAD-206	3-WayDrill 6 items. SET 10-12-15-18-20-22 mm
MAD-214	3-WayDrill 14 items. SET 3-WayDrills: 10-15-20-25-30-35 mm HSS Bits: 4-4.5-5-5.5-6-6.5-7-8-9 mm Drill saw 6 mm





# SAW BLADES

**High safety comes first. A sharp, flat and perfectly balanced saw blade is safe to work with, and gives a neat cut. It is obvious that professional tools should be used in professional machinery, but simpler equipment such as a hand-held or stationary saw is just as important, Upgrade your entire machine by installing a tool that really works perfectly!**

## MANUFACTURE OF SAW BLADES

CMT invests as much careful work in making saw blades that maintain the very highest quality, as we do when we make router cutters, starting with thoroughly studying and specifying the optimum tooth spacing, tooth shape and cutting angle for each individual blade, to the choice of raw material. CMT uses a specially hardened steel for the blade core, with 42-44 Rockwell hardness and micrograin hard metal tips from Cera-tizit, which gives excellent wear and service life.

**Saw blades are made from beginning to end in high precision CNC controlled machine tooling.**

### LASER CUTTING

The shape and size of core of all CMT's saw blades are laser cut, not punched, which allows us to use a specially hardened steel that could not otherwise be used, which in turn means that the blade is much more stable and has superior service life.

### SHARPENING AND TENSIONING

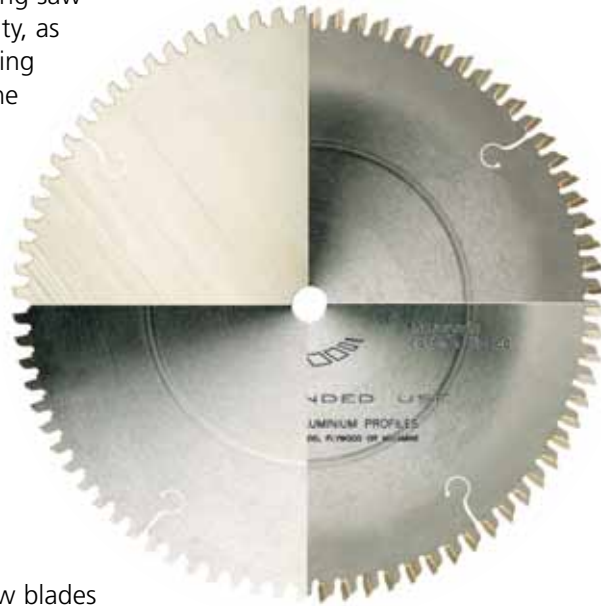
The next step is planing and tensioning the blade core. These steps are done in automatic machinery. You can see that this has been correctly done, by the fine surface finish and the characteristic ring that extends round the entire periphery of the saw blade. Then comes broaching of the hole to the exact dimension for perfect rotation and fit on the spindle, and the seats are ground to prepare for brazing the hard metal teeth.

### BRAZING AND SHOT BLASTING

We use a special grade of silver-copper-silver alloy, for brazing micrograin hard metal teeth. After the blade and teeth are heated, the brazing alloy is added. The correct brazing temperature can be reached, thanks to the special molecular structure of copper, where the copper layer serves as a buffer and prevents the teeth from cracking as they cool. If this layer is not present, the brazing temperature will not be high enough, which leads to a serious risk of faulty brazing.

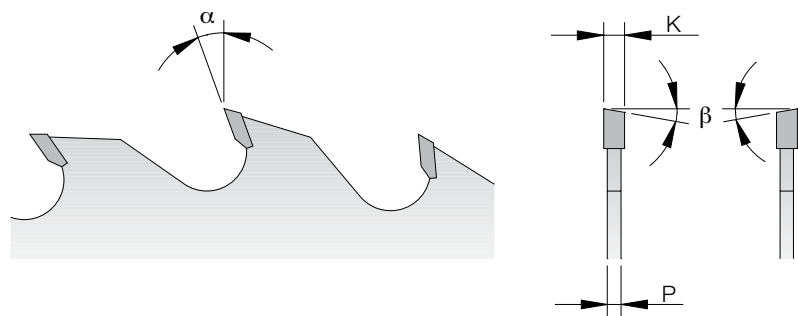
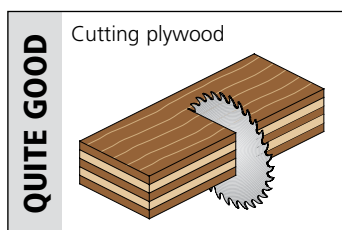
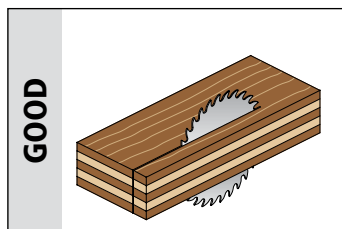
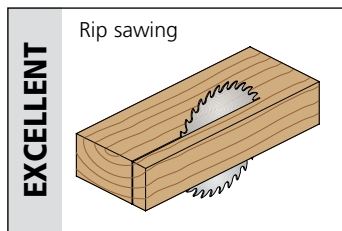
### SHARPENING AND MARKING

The last stage in production is sharpening the hard metal teeth. This is done in CNC controlled multi-axis machinery, for maximum sharpness. The laser etched text provides all the necessary information about the type and recommended application of the blade.



# Rip saw blades for hand-held circular saws

Alternately offset sharpened teeth, wide spaced teeth and a cutting angle of 20 degrees make the blade ideal for rip sawing in both hardwood and softwood. Available with a centre hole for all commercially available machinery.



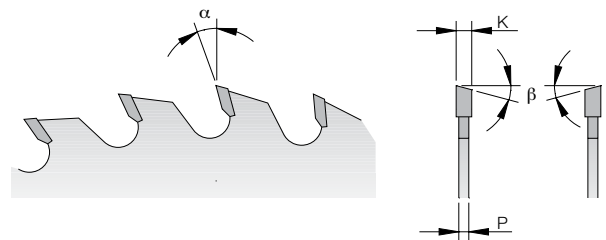
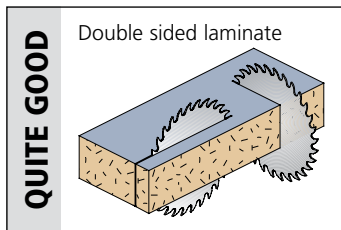
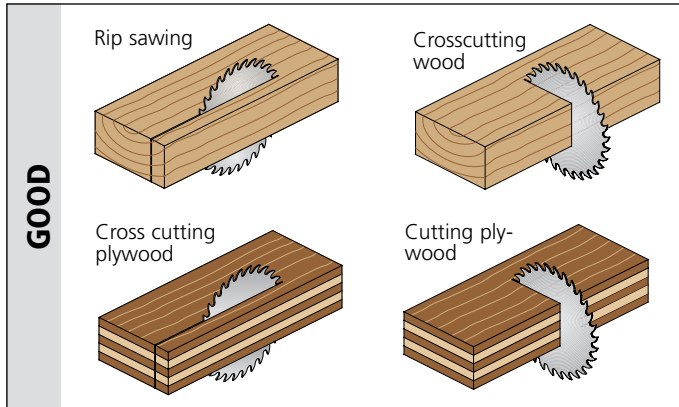
Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle α	Tooth shape β	Order no.
150	20		12	2,4	1,4	20°	10° ATB	290.150.12H
160	16		12	2,6	1,6	20°	10° ATB	290.160.12E
160	20	2/6/32	12	2,6	1,6	20°	10° ATB	290.160.12H
180	30	2/7/42	12	2,6	1,6	20°	10° ATB	290.180.12M
190	16	2/6/32	12	2,6	1,6	20°	10° ATB	290.190.12E
190	20	2/6/32	12	2,6	1,6	20°	10° ATB	290.190.12H
190	30	2/7/42	12	2,6	1,6	20°	10° ATB	290.190.12M
200	30	2/7/42	24	2,8	1,8	20°	10° ATB	290.200.24M
210	25		24	2,8	1,8	20°	10° ATB	290.210.24L
210	30	2/7/42	24	2,8	1,8	20°	10° ATB	290.210.24M
220	30	2/7/42	24	2,8	1,8	20°	10° ATB	290.220.24M
230	30	2/7/42	24	2,8	1,8	20°	10° ATB	290.230.24M
235	25		24	2,8	1,8	20°	10° ATB	290.235.24L
235	30	2/7/42	24	2,8	1,8	20°	10° ATB	290.235.24M
240	30	2/7/42	24	2,8	1,8	20°	10° ATB	290.240.24M
250	30	2/10/60 + 2/7/42	24	2,8	1,8	20°	10° ATB	290.250.24M

## Rip saw blade, extra thin

Diameter mm	Hole diameter mm	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle α	Tooth shape β	Order no.
165	16	18	1,3	0,8	20°	1 FTG+2/20° ATB	271.165.18

# Universal saw blades for hand-held circular saws

Alternately offset sharpened teeth, standard teeth and a cutting angle of 10 or 15 degrees make the type of blade ideal for people who both need to rip and crosscut both softwood and hardwood. It works just as well on plywood and laminate. Available with a centre hole for all commercially available machinery.

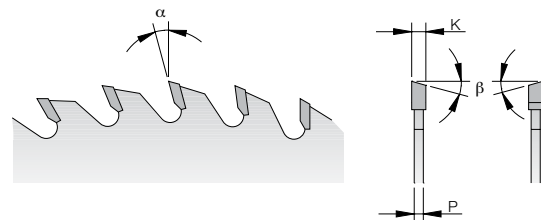
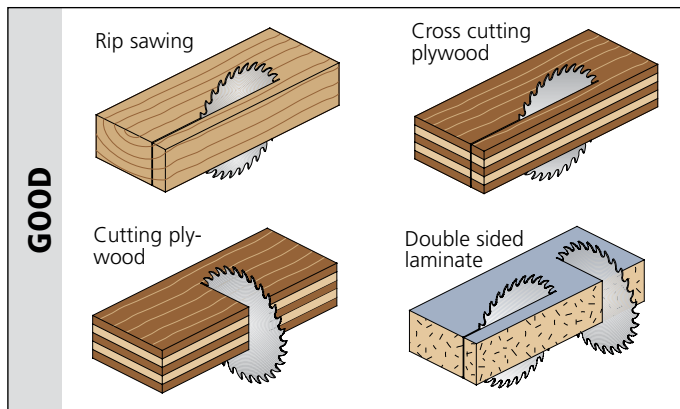
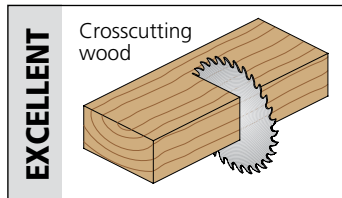


Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle α	Tooth shape β	Order no.
125	20		20	2,4	1,4	15°	15° ATB	291.125.20H
130	20		20	2,4	1,4	15°	15° ATB	291.130.20H
140	20		20	2,4	1,4	15°	15° ATB	291.140.20H
150	16		24	2,4	1,4	15°	15° ATB	291.150.24E
150	20		24	2,4	1,4	15°	15° ATB	291.150.24H
160	16		24	2,6	1,6	15°	15° ATB	291.160.24E
160	20		24	2,6	1,6	15°	15° ATB	291.160.24H
160	30	2/7/42	24	2,6	1,6	15°	15° ATB	291.160.24M
165	30	2/7/42	24	2,6	1,6	15°	15° ATB	291.165.24M
170	30	2/7/42	24	2,6	1,6	20°	10° ATB	291.170.24M
180	20	2/6/32	24	2,6	1,6	20°	10° ATB	291.180.24H
180	30	2/7/42	24	2,6	1,6	20°	10° ATB	291.180.24M
184	16		24	2,6	1,6	20°	10° ATB	291.184.24E
190	16	2/6/32	24	2,6	1,6	20°	10° ATB	291.190.24E
190	20	2/6/32	24	2,6	1,6	20°	10° ATB	291.190.24H
190	30	2/7/42	24	2,6	1,6	20°	10° ATB	291.190.24M
200	30	2/7/42	36	2,8	1,8	15°	15° ATB	291.200.36M
210	25		36	2,8	1,8	15°	15° ATB	291.210.36L
210	30	2/7/42	36	2,8	1,8	15°	15° ATB	291.210.36M
220	30	2/7/42	36	2,8	1,8	15°	15° ATB	291.220.36M
230	30	2/7/42	36	2,8	1,8	15°	15° ATB	291.230.36M
235	25		36	2,8	1,8	15°	15° ATB	291.235.36L
235	30	2/7/42	36	2,8	1,8	15°	15° ATB	291.235.36M
240	30	2/7/42	36	2,8	1,8	15°	15° ATB	291.240.36M



# Crosscut saw blades for hand-held circular saws

Alternately offset sharpened teeth, wide spaced teeth and a cutting angle of 10 or 15 degrees make the blade ideal for crosscutting, in cases where you demand a perfect cut surface. It works just as well on softwood, hardwood as on plywood, chipboard and MDF board. Available with a centre hole for all commercially available machinery.



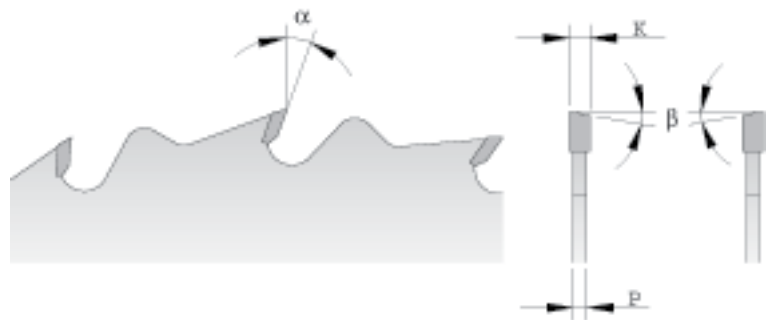
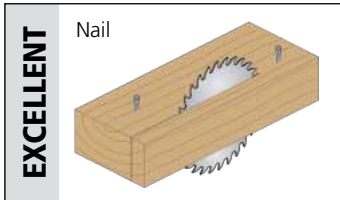
Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle α	Tooth shape β	Order no.
150	20		40	2,6	1,6	15°	15° ATB	292.150.40H
160	16		40	2,6	1,6	10°	15° ATB	292.160.40E
160	20	2/6/32	40	2,6	1,6	10°	15° ATB	292.160.40H
160	30	2/7/42	40	2,6	1,6	10°	15° ATB	292.160.40M
165	30		40	2,6	1,6	10°	15° ATB	292.165.40M
170	30	2/7/42	40	2,6	1,6	15°	15° ATB	292.170.40M
180	20	2/6/32	40	2,6	1,6	15°	15° ATB	292.180.40H
180	30	2/7/42	40	2,6	1,6	15°	15° ATB	292.180.40M
184	16		40	2,6	1,6	15°	15° ATB	292.184.40E
190	16	2/6/32	40	2,6	1,6	15°	15° ATB	292.190.40E
190	20	2/6/32	40	2,6	1,6	15°	15° ATB	292.190.40H
190	30	2/7/42	40	2,6	1,6	15°	15° ATB	292.190.40M
200	30	2/7/42	48	2,8	1,8	15°	15° ATB	292.200.48M
210	25		48	2,8	1,8	15°	15° ATB	292.210.48L
210	30	2/7/42	48	2,8	1,8	15°	15° ATB	292.210.48M
220	30	2/7/42	48	2,8	1,8	15°	15° ATB	292.220.48M
230	30	2/7/42	48	2,8	1,8	15°	15° ATB	292.230.48M
235	25		48	2,8	1,8	15°	15° ATB	292.235.48L
235	30	2/7/42	48	2,8	1,8	15°	15° ATB	292.235.48M
240	30	2/7/42	48	2,8	1,8	15°	15° ATB	292.240.48M

## Crosscut blade, extra thin

Diameter mm	Hole diameter mm	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle α	Tooth shape β	Order no.
165	16	36	1,3	0,8	20°	1 FTG + 2/20° ATB	272.165.36

# Building saw blades

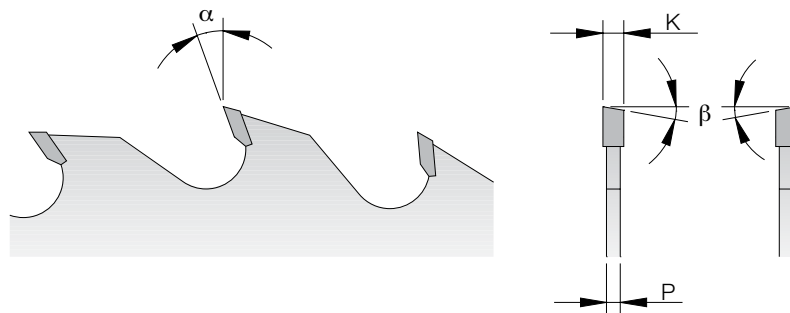
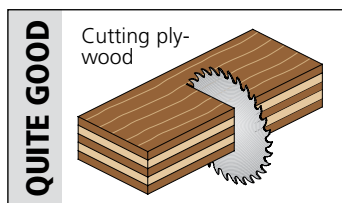
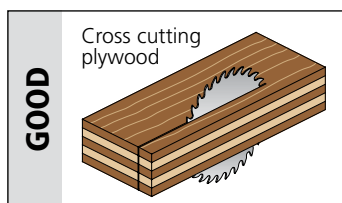
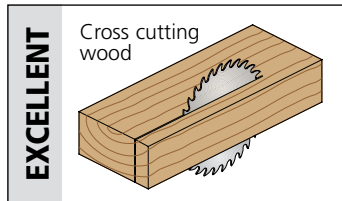
Saw blade with alternately offset sharpened teeth. Suitable for all the work done on a building site. The blade is mainly used for cutting softwood.



Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
250	30	2/7/42	16	2,8	1,8	15°	5° ATB	286.016.10M
300	30	2/10/60 +2/7/42	20	2,8	1,8	15°	5° ATB	286.020.12M
350	30	2/10/60 +2/7/42	24	3,2	2,2	15°	5° ATB	286.024.14M
400	30	2/10/60	28	3,2	2,2	15°	5° ATB	286.028.16M
450	30	2/10/60	32	3,8	2,8	15°	5° ATB	286.032.18M

# Crosscut blades

Alternately offset sharpened teeth, wide spaced teeth and a cutting angle of 20 degrees make the blade ideal for rip sawing in both hardwood and softwood.



Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
250	30	2/10/60+2/7/42	24	2,8	1,8	20°	10° ATB	290.250.24M
300	30	2/10/60+2/7/42	24	3,2	2,2	20°	10° ATB	293.024.12M
315	30	2/10/60+2/7/42	28	3,2	2,2	20°	10° ATB	293.028.12M
350	30	2/10/60+2/7/42	28	3,5	2,5	20°	10° ATB	293.028.14M
400	30	2/10/60	48	3,5	2,5	20°	10° ATB	285.048.16M

## Rip saw blade, extra thin

Diameter mm	Hole diameter mm	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
250	30	42	1,7	1,2	20°	1 FTG+2/15° ATB	271.250.42M
300	30	45	2,4	1,8	20°	1 FTG+2/15° ATB	271.300.45M

## Saw blade for Logosol SH230

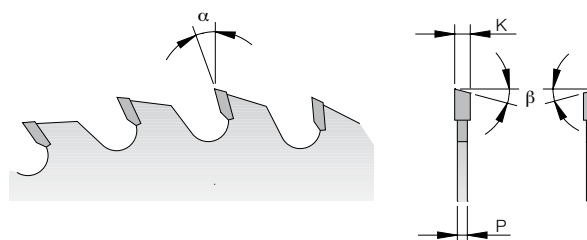
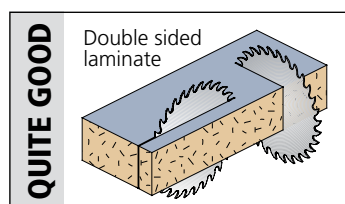
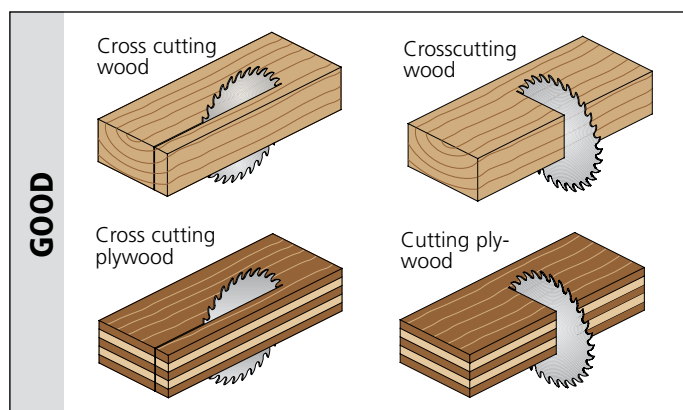
Hardened steel blade. Hard metal teeth.  
Two thicknesses available.

Part no.	Description
7200-000-1300	180 x 2.8/1.9 x 48
7200-000-1301	180 x 4.5/3.5 x 48



# Universal saw blades

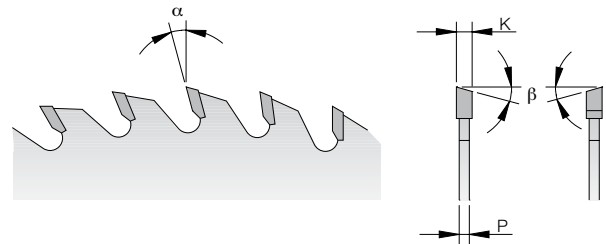
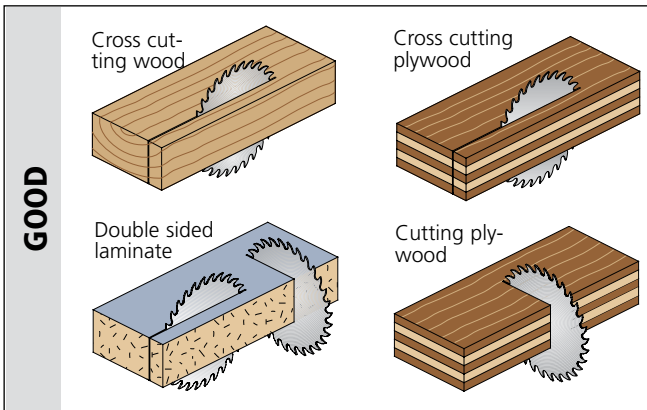
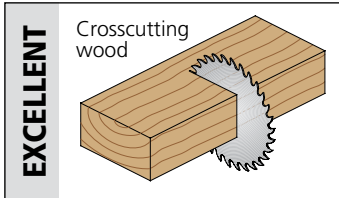
Alternately offset sharpened teeth, normal teeth. This type of blade is excellent for people who need to both rip and crosscut both softwood and hardwood. It is also excellent for plywood and laminate.



Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
200	30	2/10/60+2/7/42	36	3,2	2,2	15°	10° ATB	285.036.08M
250	30	2/10/60+2/7/42	40	3,2	2,2	15°	10° ATB	285.040.10M
250	35		40	3,2	2,2	15°	10° ATB	285.040.10R
250	30	2/10/60+2/7/42	48	3,2	2,2	15°	10° ATB	285.048.10M
300	30	2/10/60+2/7/42	48	3,2	2,2	15°	10° ATB	285.048.12M
300	35		48	3,2	2,2	15°	10° ATB	285.048.12R
300	30	2/10/60+2/7/42	60	3,2	2,2	15°	10° ATB	285.060.12M
315	30	2/10/60+2/7/42	54	3,2	1,8	15°	10° ATB	294.054.12M
350	30	2/10/60+2/7/42	54	3,5	2,5	15°	10° ATB	285.054.14M
350	35		54	3,5	2,5	15°	10° ATB	285.054.14R
350	30	2/10/60+2/7/42	72	3,5	2,5	15°	10° ATB	285.072.14M
400	30	2/10/60	36	3,5	2,5	20°	10° ATB	285.036.16M
400	30	2/10/60	60	3,5	2,5	10°	15° ATB	285.060.16M
450	30	2/10/60	66	3,8	2,8	10°	15° ATB	285.066.18M

# Trimming saw blades

Guaranteed best results. For Industrial use.  
 Excellent results on hardwood and softwood, plywood, chipboard and MDF board. This blade works gently and efficiently in the material, which guarantees you will be pleased with the result.

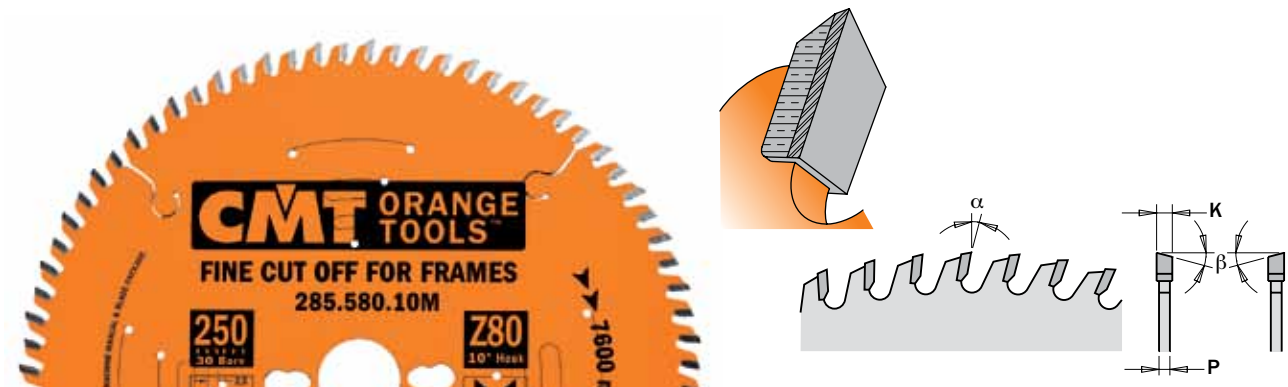


Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
250	30	2/10/60+2/7/42	60	3,2	2,2	10°	15° ATB	285.060.10M
250	35		60	3,2	2,2	10°	15° ATB	285.060.10R
280	30	2/10/60+2/7/42	64	2,8	1,8	10°	15° ATB	295.064.11M
300	30	2/10/60+2/7/42	72	3,2	2,2	10°	15° ATB	285.072.12M
300	35		72	3,2	2,2	10°	15° ATB	285.072.12R
350	30	2/10/60+2/7/42	84	3,5	2,5	10°	15° ATB	285.084.14M
350	35		84	3,5	2,5	10°	15° ATB	285.084.14R
400	30	2/10/60	96	3,5	2,5	10°	15° ATB	285.096.16M

## Trimming saw blades for extra fine cutting

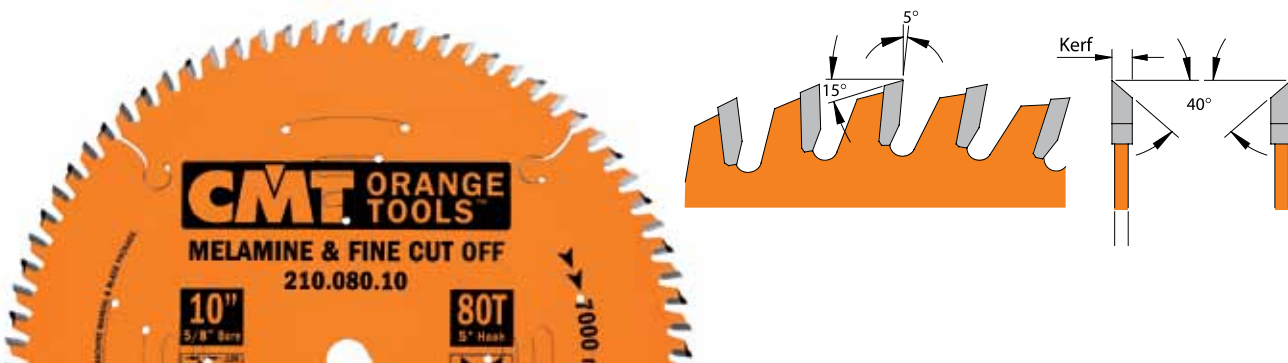
Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
250	30	2/10/60+2/7/42	80	3,2	2,2	10°	15° ATB	285.080.10M
250	35		80	3,2	2,2	10°	15° ATB	285.080.10R
300	30	2/10/60+2/7/42	96	3,2	2,2	10°	15° ATB	285.096.12M
300	35		96	3,2	2,2	10°	15° ATB	285.096.12R
350	30	2/10/60+2/7/42	108	3,5	2,5	10°	15° ATB	285.108.14M
350	35		108	3,5	2,5	10°	15° ATB	285.108.14R

## Trimming saw blades – XTreme Performance

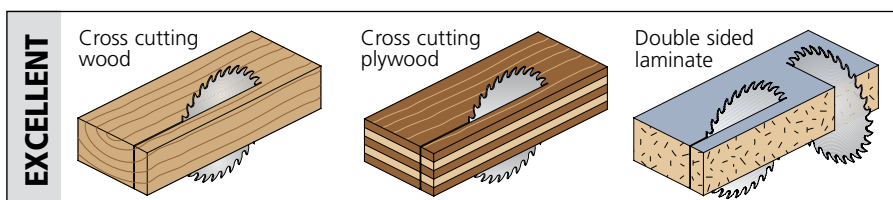


Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
250	30	COMBI3	80	3	2,5	10°	20° ATB	285.580.10M
300	30	COMBI3	96	3	2,5	10°	20° ATB	285.596.12M

## Crosscut blades for melamine and fine cutting – XTreme Performance

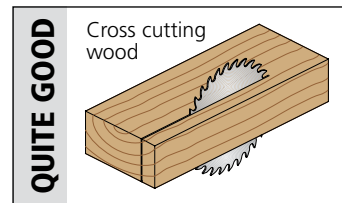
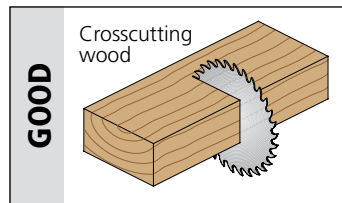
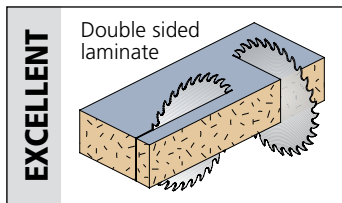
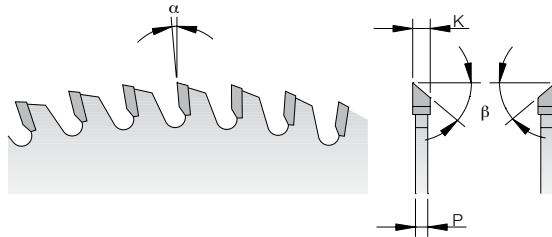


Diameter mm	Hole diameter mm	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
250	30	80	3,2	2,2	5°	40° ATB	210.080.10M
300	30	96	3,2	2,2	5°	40° ATB	210.096.12M



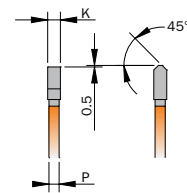
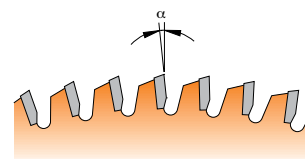
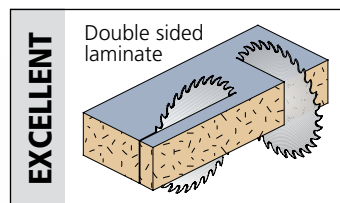
## Trapezoidal ground saw blades

Guaranteed best results. For Industrial use. Excellent results on hardwood and softwood, plywood, chipboard and MDF board. This blade works gently and efficiently in the material, which guarantees you will be pleased with the result.



Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
220	30	2/7/42	64	3,2	2,2	10°	TCG	281.064.09M
250	30	2/10/60+2/7/42	80	3,2	2,2	10°	TCG	281.080.10M
300	30	2/10/60+ 2/7/42	96	3,2	2,2	10°	TCG	281.096.12M
350	30	2/10/60+2/7/42	108	3,5	2,5	10°	TCG	281.108.14M

## Trapezoidal ground saw blades

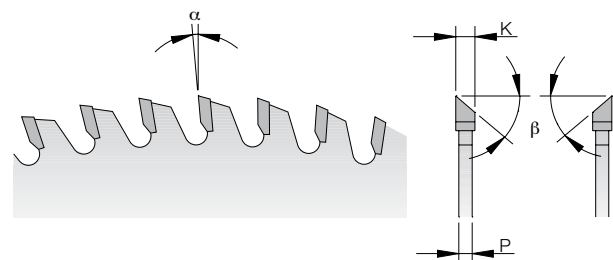
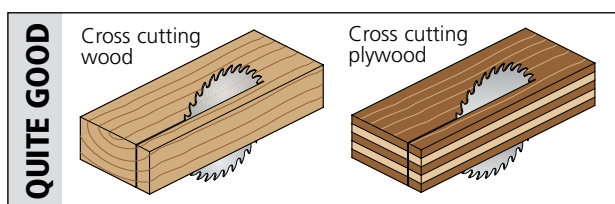
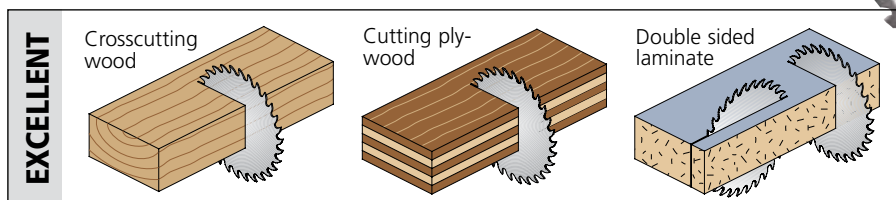


Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
250	30	COMB13	80	3,2	2,2	10°	TCG	281.580.10M
300	30	COMB13	96	3,2	2,2	10°	TCG	281.596.12M
350	30	COMB13	108	3,5	2,5	10°	TCG	281.608.14M



# Crosscut blades for melamine and fine cutting

The ultimate blade for fine cutting. The CMT has a 40 degree lip angle on this blade, for cutting single or double-sided laminate, melamine, hardwood or softwood. This means minimum pick-up on both sides of the material. This blade works excellently in larger saws, where high precision is required for sawing at various angles.



Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle α	Tooth shape β	Order no.
220	30	2/7/42	64	3,2	2,2	-5°	40° ATB	283.064.09M
250	30	2/10/60+2/7/42	80	3,2	2,2	-2°	40° ATB	283.080.10M
300	30	2/10/60+2/7/42	96	3,2	2,2	2°	40° ATB	283.096.12M
350	30	2/10/60+2/7/42	108	3,5	2,5	5°	40° ATB	283.108.14M

Saw blade with hollow ground teeth. The blade makes a perfect cut on PVC coated plastic, single and double sided laminates.

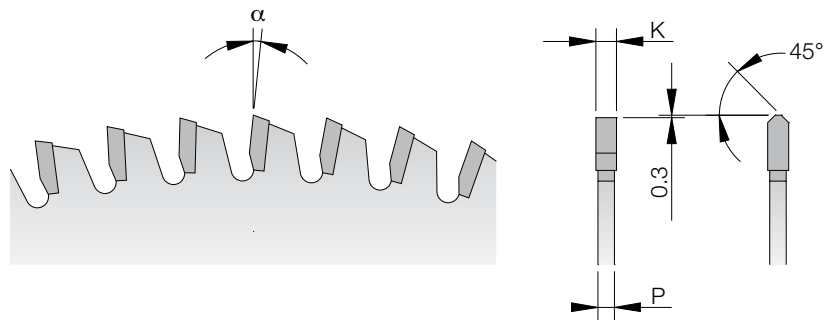
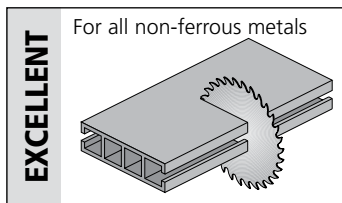


Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle α	Tooth shape β	Order no.
220	30	2/7/42	42	3,2	2,2	10°	HDF	287.042.09M
250	30	2/10/60+2/7/42	48	3,2	2,2	10°	HDF	287.048.10M

## Blades for aluminium, plastics etc.

Trapezoidal teeth made from an extra durable hard metal alloy, fine toothed, with a rake of  $-6$  degrees (negative) make this blade ideal for cutting all non-ferrous metals, such as brass, aluminium and hard plastics, with strict requirements for cut surface and performance.

**NOTE!** We recommend cooling with liquid coolant when required. Not with wax bars etc.



Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
160	20	2/6/32	40	2,8	2,2	$-6^\circ$ Neg.	TCG	296.160.40H
180	20	2/6/32	40	2,8	2,2	$-6^\circ$ Neg.	TCG	296.180.40H
190	30	2/7/42	40	2,8	2,2	$-6^\circ$ Neg.	TCG	296.190.40M
210	30	2/7/42	48	2,8	2,2	$-6^\circ$ Neg.	TCG	296.210.48M
230	30	2/7/42	48	2,8	2,2	$-6^\circ$ Neg.	TCG	296.230.48M
235	30	2/7/42	48	2,8	2,2	$-6^\circ$ Neg.	TCG	296.235.48M

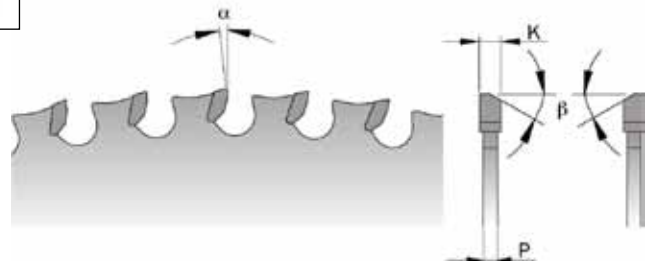
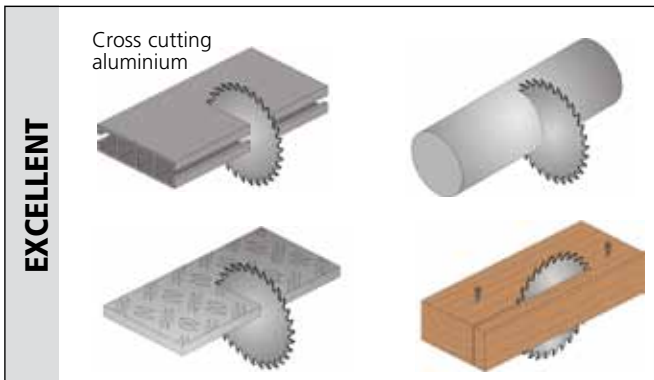
### Saw blades for crosscut, mitring and trimming saws

Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
216	30		64	2,8	2,2	$-6^\circ$ Neg.	TCG	297.064.09M
250	30	2/10/60+2/7/42	80	3,2	2,2	$-6^\circ$ Neg.	TCG	297.080.10M
250	32		80	3,2	2,2	$-6^\circ$ Neg.	TCG	297.080.10P
260	30	2/10/60+2/7/42	80	3,2	2,5	$-6^\circ$ Neg.	TCG	297.080.11M
280	30	2/10/60+2/7/42	64	3,2	2,2	$-6^\circ$ Neg.	TCG	297.064.11M
300	30	2/10/60+2/7/42	96	3,2	2,2	$-6^\circ$ Neg.	TCG	297.096.12M
300	32		96	3,2	2,2	$-6^\circ$ Neg.	TCG	297.096.12P
305	30	2/10/60+2/7/42	96	2,8	3,2	$-6^\circ$ Neg.	TCG	297.096.13M
350	30	2/10/60+2/7/42	108	3,5	2,5	$-6^\circ$ Neg.	TCG	297.108.14M
350	32		108	3,5	2,5	$-6^\circ$ Neg.	TCG	297.108.14P

# Metal saw blade

Perfect “dry cut” blade for all universal metal cutting machinery. Ideal for all types of material.

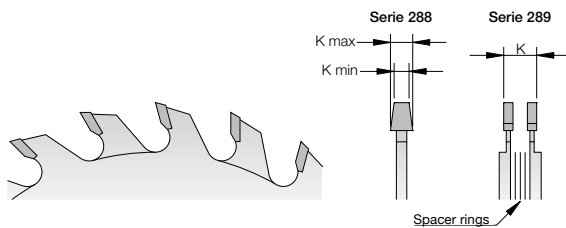
**NOTE!** Do not exceed the recommended speed.



Diameter mm	Hole diameter mm	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
165	16	36	1,5	1,2	0°	5° FWF	226.036.06
184	16	48	2	1,6	0°	5° FWF	226.048.07
254	30	60	2,2	1,8	0°	5° FWF	226.060.10M
305	25,4	60	2,2	1,8	0°	5° FWF	226.060.12
305	25,4	80	2,2	1,8	0°	5° FWF	226.080.12
355	25,4	80	2,2	1,8	0°	5° FWF	226.080.14
355	25,4	90	2,2	1,8	0°	5° FWF	226.090.14

## Scoring blades

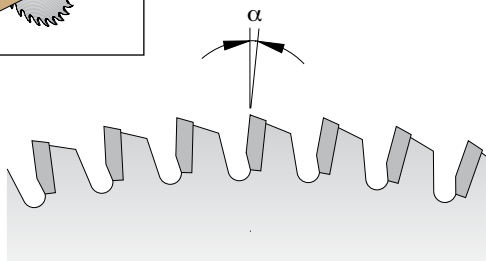
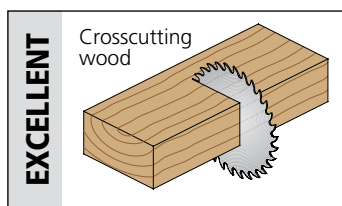
Scoring blades are absolutely necessary if you want to saw melamine or laminate. CMT makes 2 types of scoring blades, either with tapered teeth or an adjustable blade with straight teeth. The tapered teeth give a wider cut, depending on the height that the blade is set to, and the width of cut with the adjustable blade is set by means of spacer rings.



Diameter mm	Hole diameter mm	No. of teeth	Width of cut mm	Tooth shape $\beta$	Order no.
100	20	10+10	2,8-3,6	STRAIGHT	289.100.20H
120	20	24	3,1-4	TAPERED	288.120.24H
120	20	12+12	2,8-3,6	STRAIGHT	289.120.24H
120	22	12+12	2,8-3,6	STRAIGHT	289.120.24K
125	20	24	3,1-4	TAPERED	288.125.24K
125	20	12+12	2,8-3,6	STRAIGHT	289.125.24H

## Crosscut and mitring blades

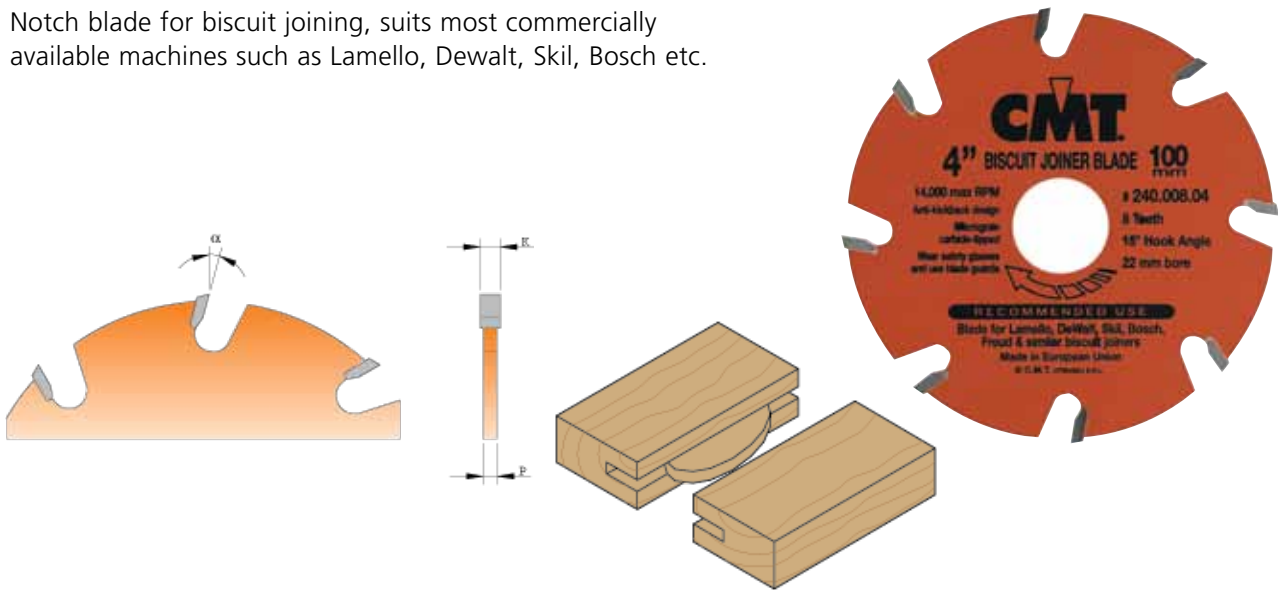
Blade with negative rake for crosscut and mitring saws. Works well on all types of wood.



Diameter mm	Hole diameter mm	Hole pattern	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
216	30		24	2,8	1,8	-5° Neg	15° ATB	290.216.24M
216	30		48	2,8	1,8	-5° Neg.	15° ATB	291.216.48M
216	30		64	2,8	1,8	-5° Neg.	15° ATB	292.216.64M
250	30	2/10/60+2/7/42	60	3,2	2,2	-6°	TCG	281.061.10M
300	30	2/10/60+2/7/42	72	3,2	2,2	-6°	TCG	281.073.12M
305	30	2/10/60+2/7/42	54	2,8	1,8	-5° Neg	15° ATB	294.054.22M

## Notch blade for biscuit joining

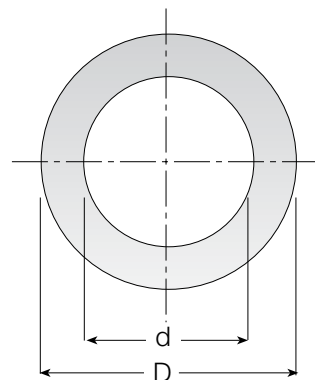
Notch blade for biscuit joining, suits most commercially available machines such as Lamello, Dewalt, Skil, Bosch etc.



Diameter mm	Hole diameter mm	No. of teeth	Width of cut mm	Blade core thickness mm	Cutting angle $\alpha$	Tooth shape $\beta$	Order no.
100	22	6	3,96	2,8	15°	15° ATB	240.006.04
100	22	8	3,96	2,8	15°	STRAIGHT	240.008.04

## Reduction rings for saw blades

Diameter mm	Inner diameter mm	Thickness mm	Order no.
20	12,7	1,2	299.221.00
20	16	1,2	299.222.00
30	15,87	1,4	299.211.00
30	16	1,4	299.223.00
30	16	2	299.226.00
30	20	1,4	299.224.00
30	20	2	299.227.00
30	25	1,4	299.225.00
30	25	2	299.228.00
30	25,4	2	299.212.00
32	30	2	299.229.00
35	30	2	299.230.00



## Saw blade kit, universal

We can offer a very priceworthy kit of 3 high quality HM blades. The kit contains a Cross-cut, a Universal and a Fine tooth blade. We deliver the blades in a neat, practical wooden box.

Part no.	Diameter	Teeth	Hole
WP250204080	250	20+40+80	30
WP300244896	300	24+48+96	30
WP315244896	315	24+48+96	30
WP3502854108	350	25+54+108	30



## Saw blade kit for crosscut and mitring saws

A high-quality kit containing 3 hard metal blades with 6° negative rake. The kit is intended for crosscut and mitring saws, one blade for coarse cutting, one universal blade and a trimming blade. Delivered in a practical wood box.

Part no.	Diameter	Teeth	Width of cut/ blade core	Cutting angle	Hole
WP210244864	210	24+48+64	2.6/1.8	-6° Neg	30
WP216244864	216	24+48+64	2.6/1.8	-6° Neg	30
WP250406080	250	40+60+80	3.0/2.0	-6° Neg	30
WP305486496	305	48+64+96	3.2/2.2	-6° Neg	30

## Cleaning fluid, Formula 2050

It is important that you clean off all deposits, such as paint, resin etc. from your cutters and blades. If this is not done, the blade can burn the material and loose its sharpness faster. You can also get coarser cuts.

Our Formula 2050 is a very efficient cleaner, and is also surprisingly kind to the environment.

- \* Formula 2050 removes resin and deposits from all types of woodworking tools, such as saw blades, router cutters, drills, cutters, moulding knives etc.
- \* Formula 2050 does not contain any poisons, it is non-flammable and bio-degradable.
- \* Do not rinse off after cleaning. Formula 2050 also protects your tools against rust.

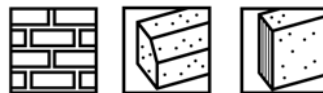
Order no.	Quantity
998.001.01	0.5 Litre
998.001.03	3.8 Litre



## Saw blade, Diamond Uni Eco, Type UE

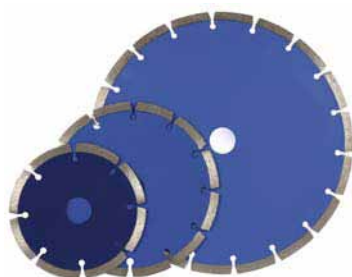
Saws medium hard material

Part no.	Ø mm
801115	115/22.2
801125	125/22.2
801150	150/22.2
801180	180/22.2
801230	230/22.2



## Saw blade Abrassief, Type AB

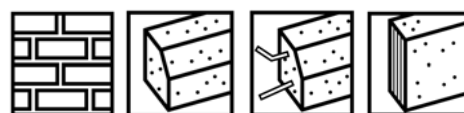
Part no.	Ø mm
830115	115/22,2
830125	125/22,2
830150	150/22,2
830180	180/22,2
830230	230/22,2



## Saw blade Turbo Super Plus, Type TSP

Saws hard material + marble and granite.

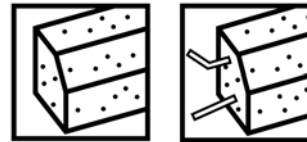
Part no.	Ø mm
845115	115/22.2
845125	125/22.2
845150	150/22.2
845180	180/22.2
845230	230/22.2



## Saw blade Diamant Beton Super Prof, Type BSP

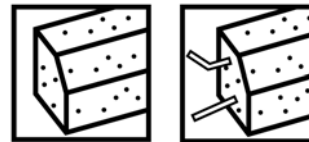
Segment height 8 mm. For wet and dry use

Part no.	Ø mm
824300	300/20/8
824300/25,4	300/25.4/8
824300/30	300/30/8
824300-12	300/20/12
824350	350/20/8
824350/25,4	350/25.4/8
824350/30	350/30/8



## Saw blade Diamant Beton Super Prof, Type HQ

Part no.	Ø mm
825300 HQ	300/20/7
825300/25.4 HQ	300/25.4/7
825300/30 HQ	300/25.4/7



## Saw blade Tegels Turbo, Type TGP

T= Turbo 1.4 mm

Part no.	Ø mm
810110T	110/22.2/5 X 1.4
810115T	115/22.2/5 X 1.4
810125T	125/22.2/5 X 1.4



## Saw blade Tegels

Part no.	Ø mm
810180	180/22.2/5
810180/25.4	180/25.4
810180/30	180/30
810200	200/22.2/5
810230	230/22.2/5







# VERTICAL CUTTERS

**In some routing jobs, fixed cutters are preferable to loose cutter blades. This could be when you want to cut really deep profiles, such as in window manufacture or when you want to remove a lot of material at high speed.**

**Our vertical router cutter range contains a large number of professional cutters with replaceable inserts or brazed hard metal inserts. Log21, our own brand, is a very priceworthy choice. This range, which we have designed ourselves, contains the cutters which we believe meet the basic requirement for a vertical spindle router.**

## Notch, slot and mortise cutter with reversible HM insert.

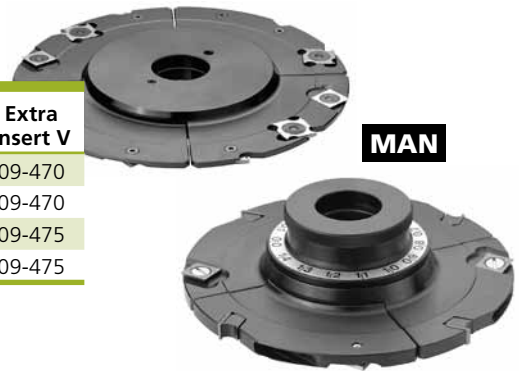
Part no.	D	d	B	Z	V	Extra insert Z	Extra insert V
06,125,004	125	30	4	4	4	09-455	09-470
06,125,006	125	30	6	4	4	09-461	09-470
06,125,008	125	30	8	4	4	09-450	09-475
06,125,010	125	30	10	4	4	09-452	09-475
06,125,012	125	30	12	4	4	09-454	09-475
06,180,008	180	30	8	4	4	09-450	09-475
06,180,010	180	30	10	4	4	09-452	09-475
06,180,012	180	30	12	4	4	09-454	09-475



## Adjustable notch cutter with reversible HM insert.

01,130,475G has continual adjustment for width.  
01,130,475M has spacer rings for this.

Part no.	D	d	B	Z	V	Extra insert Z	Extra insert V
01,130,475G	130	30	4-7,5	4	4	09-455	09-470
01,130,475M	130	30	4-7,5	4	4	09-455	09-470
01,160,815,030G	160	30	15-Aug	4	4	09-450	09-475
01,160,125,030G	160	30	12,5-24	4	4	09-453	09-475



## Rabbeting cutter

Reversible insert cutter with HM inserts. Steel body.

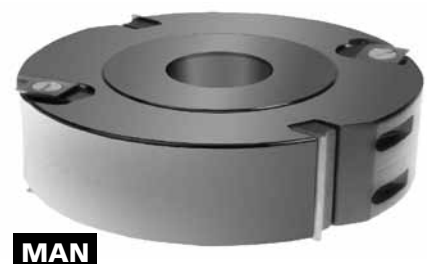
Part no.	D	d	B	Z	V	Extra insert Z	Extra insert V
K002-100-30	100	30	30	2	4	L301	L141
K002-100-50	100	30	50	2	4	L501	L141
K002-125-30	125	30	30	2	4	L301	L141
K002-125-50	125	30	50	2	4	L501	L141
02.125.050S	125	30	50	4	4	L501	L141



## Rabbeting cutter

With reversible HM insert. Aluminium body.

Part no.	D	d	B	Z	V	Extra insert Z	Extra insert V
02,090,040	90	30	40	2	4	L401	L141
02,125,030	125	30	30	2	4	L301	L141
02,125,050	125	30	50	2	4	L501	L141
02.125.050A4	125	30	50	4	4	L501	L141



## Adjustable router cutter

With reversible HM insert. Adjustable in steps of 7.5°, except K019 which is adjustable in steps of 2.5°.

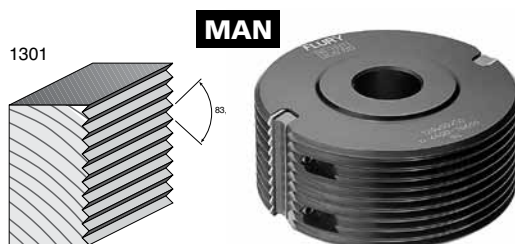
Part no.	D	d	B	Z	G	Extra insert Z
K019-140-50	140	30	50	2	+ - 85°	L501
10.150.050.030.S	150	30	50	2	+ - 90°	L501
10,160,060,030.S	160	30	60	2	+ - 90°	I601



## Glulam cutter

With reversible HM insert.

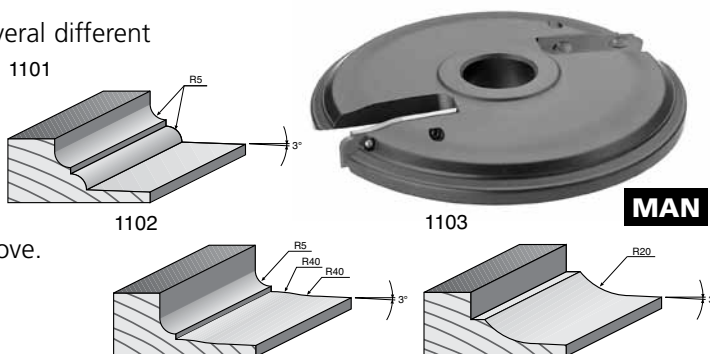
Part no.	D	d	B	Z	Extra insert
13,120,050	120	30	50	2	4,09,1301



## Frieze cutter with reversible HM insert.

One and the same cutter body can be used for several different frieze profiles. Delivered with insert no. 1101.

Part no.	Dia.	Hole	Height	No. of inserts
11,160,020	160	30	20	2



**Loose insert**, shape 1 is included in the cutter above.  
Order no: 4.09.1101, 4.09.1102, 4.09.1103

## Mating profile cutter with replaceable HM insert

One and the same cutter body can be used for several different mating profiles. Delivered with insert no. 1201.

Part no.	Dia.	Hole	Height	No. of inserts
12,120,040	120	30	40	2

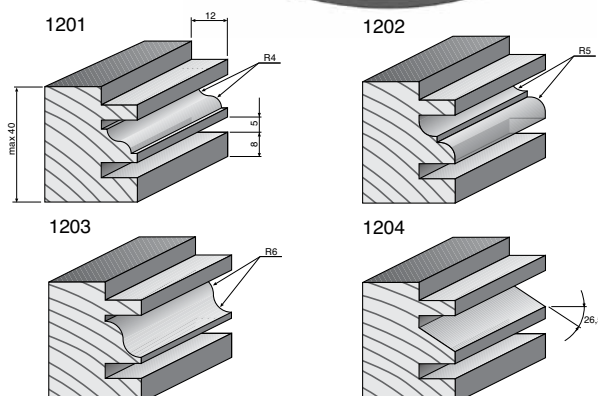


### Loose insert

Order no: 4.09.1201, 4.09.1202, 4.09.1203, 4.09.1204

### WHAT DOES THE LAW SAY ...

MAN marked tools must be used in an ordinary router. Tools marked MEC can be used in a multi-spindle machine like the planer/moulder.



# Pro window cutter kit

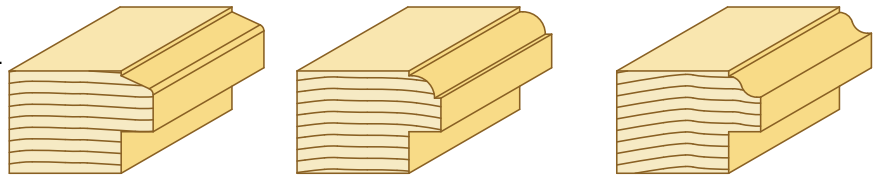
For linked casements on outwards opening 1+1 pane windows with 3 different casement profiles.

A kit of 18 different cutters with reversible hard metal inserts. The kit includes cutters for routing the tenons and slots for both casement and window frame.

The shank height and depth of cut can be quickly and easily set once, using the accompanying setting gauge for all long routing cuts. The same principle is used for mortise and slot cuts, where only the cutter and spacer rings are changed for each routing task, using the accompanying drawings.



- \* Largest tool diameter is 206 mm.
- \* Greatest set-up height is 140 mm.
- \* Spindle diameter 30 mm



<b>Part no.</b>
20200

## Helical copying cutter, with reversible HM inserts

Part no.	Dia.	Hole	Height	No. of inserts	Extra insert	Ball bearing ring	Accessories
080.120.030	80	30	120	18	L141	476.62.080	47623
080.100.030	80	30	100	16	L141	476.62.080	47623
062.080.030	62	30	80	12	L141		47623
080.080.030	80	30	80	12	L141		47623



MAN

## Cupboard door edge cutter with replaceable HM insert

One and the same cutter body can be used for several different profiles. Aluminium cutter. Profile 4 is included.

Part no.	Dia.	Hole	Height	No. of inserts	Cut width
14.180.040	180	30	40	2	30,5



MAN



### Profile 1

Reversible insert  
09.1441



### Profile 2

Reversible insert  
09.1442



### Profile 3

Reversible insert  
09.1443



### Profile 4

Reversible insert  
09.1444



### Profile 5

Reversible insert  
09.1445

## Frieze cutter with replaceable HM insert

One and the same cutter body can be used for several different friezes. Aluminium cutter. All profiles are included.

Part no.	Dia.	Hole	Height	No. of inserts	Cut width
11.180.040	180	30	40	2+2	69



MAN



### Profile 1

Reversible insert 09.1113 + 09.1112



### Profile 2

Reversible insert 09.1113 + 09.1111



### Profile 3

Reversible insert 09.1113 + 09.1110



### Profile 4

Reversible insert 09.1114 + 09.1112



### Profile 5

Reversible insert 09.1114 + 09.1111



### Profile 6

Reversible insert 09.1114 + 09.1110

## Glulam cutter with reversible inserts

Aluminium cutter body

Part no.	D	d	B	Z	Extra insert Z
18,130,050,030A2	130	30	50	2	09-1850
18,130,060,030A2	130	30	60	2	09-1860



## Glulam cutter with reversible inserts

Steel cutter body.

Part no.	D	d	B	Z	Extra insert Z
18,130,050,030S2	130	30	50	2	09-1850
18,130,060,030S2	130	30	60	2	09-1860
18,130,080,030S2	130	30	80	2	09-1880



## Corner jointing cutter with replaceable inserts

Aluminium cutter body

Part no.	D	d	B	Z	Extra insert Z
18,140,040,030A2	140	30	40	2	09-1801



## Corner jointing cutter with replaceable inserts

Steel cutter body.

Part no.	D	d	B	Z	Extra insert Z
18,170,040,030S2	170	30	40	2	10-0026



## Adjustable stud and duckboard cutter

**With replaceable inserts.** Adjustable stud and duckboard cutter for thicknesses between 5-62 mm. You can choose to do rounding or chamfering cuts. Replaceable inserts with radius 5 and 45° chamfer are included in the kit.

Part no.	D	d	B	Z	Extra insert Z
20.HK.19.SET5BG	113	30	-	2	2-5 45G

Also available for spindle diameters up to 50 mm.



## Rounding cutter with replaceable inserts

Part no.	D	d	B	Z	R	Extra insert Z
19,120,020,130A	120	30	20	2	3-10	Se table
19,140,030,130A	140	30	30	2	12-20	Se table

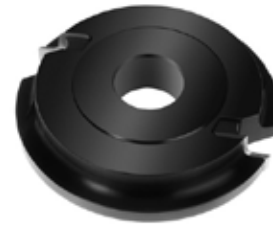
Item 19,120,020,130A is supplied with R8 as standard  
 Item 19,140,030,130A is supplied with R12 as standard

### Kit

Part no.	D	d	B	Z	R
19,120,020,030A	120	30	20	2	3,4,5,6,8,10
19,140,030,030A	140	30	30	2	12,15,18,20

### Extra insert

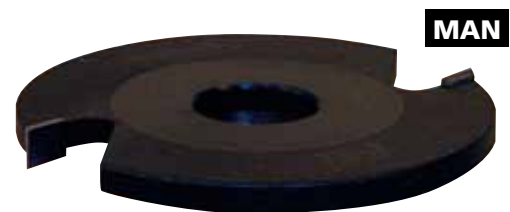
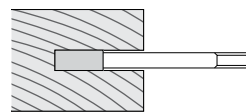
- 09-19103 Profile R=3
- 09-19104 Profile R=4
- 09-19105 Profile R=5
- 09-19106 Profile R=6
- 09-19108 Profile R=8
- 09-19110 Profile R=10
- 09-19112 Profile R=12
- 09-19115 Profile R=15
- 09-19118 Profile R=18
- 09-19120 Profile R=20



## Straight tongue & groove cutter HM

For grooves, small mortises and slots.

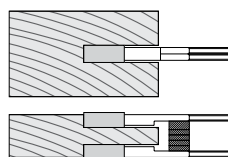
Part no.	Dia.	Hole	Height
A61-120-10	120	30	10
A61-120-12	120	30	12
A61-120-4	120	30	4
A61-120-6	120	30	6
A61-120-8	120	30	8



## Slot / mortise cutter kit HM

8–16 mm with accompanying spacer rings.

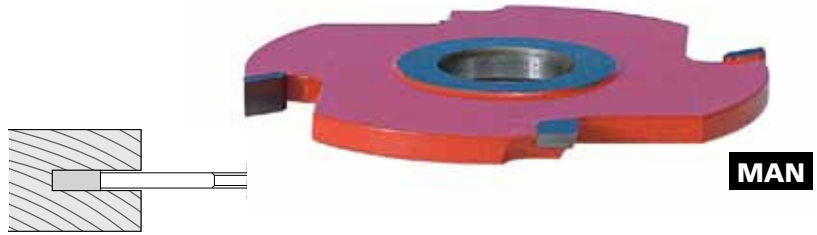
Part no.	Dia.	Hole	Height
A62-160	160	30	8–16
A62-200	200	30	8–16



## Straight tongue & groove cutter HM

For grooves, small mortises and slots.

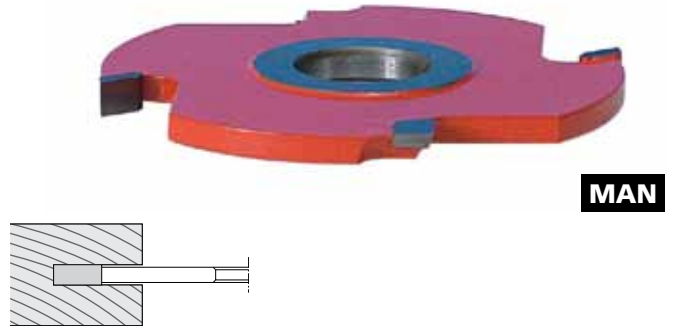
Part no.	Dia.	Hole	Height
WP50104	120	30	4
WP50106	120	30	6
WP50108	120	30	8
WP50110	120	30	10
WP50112	120	30	12



## Slot and mortise cutter with HM inserts

For grooves, mortises and slots.

Part no.	Dia.	Hole	Height	Blade	Insert
WP50206	160	30	6	2	2
WP50208	160	30	8	2	2
WP50210	160	30	10	2	2
WP50212	160	30	12	2	2
WP50306	180	30	6	2	2
WP50308	180	30	8	2	2
WP50310	180	30	10	2	2
WP50312	180	30	12	2	2



## Slot / mortise cutter HM

Adjustable between 8-16 mm with accompanying spacer rings.

Part no.	Dia.	Hole	Height
WP50501	160	30	8-16
WP50601	200	30	8-16



## Adjustable tongue & groove cutter HM

Adjustable between 4-8 mm with accompanying spacer rings.

Part no.	Dia.	Hole	Height
WP50401	120	30	5-10

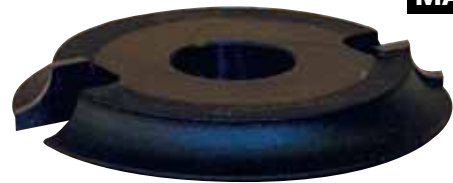
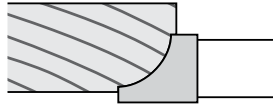




## Rounding cutter HM

With hard metal inserts, can be used together with template rings.

Part no.	Dia.	Hole	Height
Q32-120-R5	100	30	5
Q32-120-R7.5	105	30	7,5
Q32-120-R10	110	30	10
Q27-120-R15	120	30	15

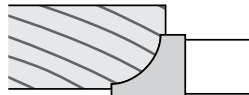


MAN

## Rounding cutter HM

Can be used together with template rings.

Part no.	Dia.	Hole	Radius
WP50704	98	30	4
WP50705	100	30	5
WP50775	105	30	7,5
WP50710	110	30	10
WP50715	120	30	15

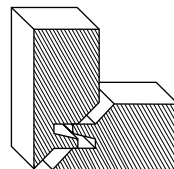


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## Corner joining cutter HM

Hard metal.

Part no.	D	B	b
FS4150011	140	30	30

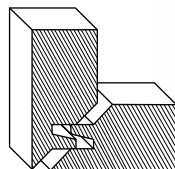


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## Corner joining cutter HM

Material thickness 16-25 mm.

Part no.	D	B	b
WP51101	120	30	30

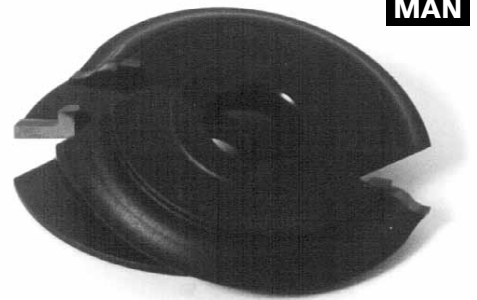
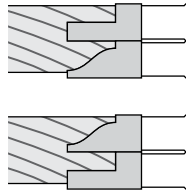


MAN

## Profile and matching profile cutter kit HM

For simple and professional routing of kitchen, wardrobe, glazed cabinet and bookshelf doors with material thicknesses between 18.5–22 mm. You do not need to use spacer rings when adjusting the tool. This makes it extra quick and easy to use.

Part no.	D	d
J134-116	116	30

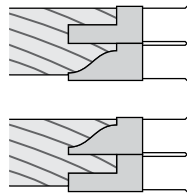


MAN

## Profile and matching profile cutter kit, 2 items HM

For simple and professional routing of kitchen, wardrobe, glazed cabinet and bookshelf doors with material thicknesses between 18.5–22 mm. You do not need to use spacer rings when adjusting the tool. This makes it extra quick and easy to use.

Part no.	Dia.	Hole
WP51301	116	30

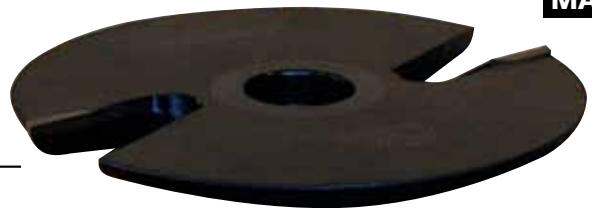


MAN

## Frieze cutter HM

Hard metal.

Part no.	D	d	R	G
26-176-160	160	30	8	5



MAN

## Frieze cutter HM

Part no.	Dia.	Hole	Radius	G
WP51201	160	30	8	5

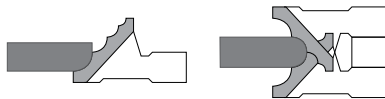


MAN

## Radius cutter HM

For rounded corners and roundwood, with variable radius 4, 6, 8 or 10 mm radius.

Part no.	Dia.	Hole	Radius
J176	140	30	4+6+8+10

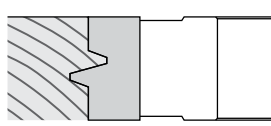


MAN

## Glulam cutter HM

To make a strong bonded joint.

Part no.	Dia.	d	B
H08-120	120	30	28

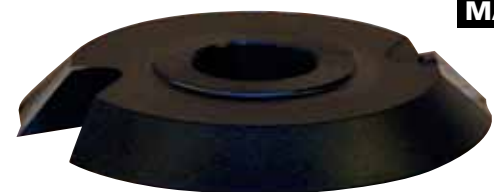
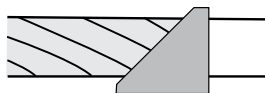


MAN

## Chamfer cutter HM

45 degrees.

Part no.	Dia.	Hole	Height
V19-120-45	120	30	15

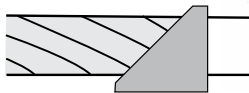


MAN

## Chamfer cutter HM

45 degrees.

Part no.	Dia.	Hole	Height
WP50801	120	30	15

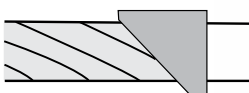


MAN

## Chamfer cutter HM

45 degrees.

Part no.	Dia.	Hole	Height
WP50802	120	30	15



MAN

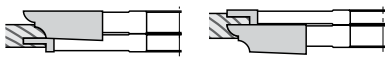
## Profile and matching profile cutter kit, 2 items HM

A unique cutter kit for making complete kitchen cabinet doors and interior doors, with both mating profiles and panel routing. Material thickness 15-45 mm. You do not need to use spacer rings when adjusting the tool. This makes it extra quick and easy to use.

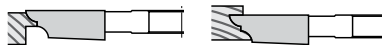
Part no.	Dia.	Hole
J166-160	120	30



Mating profile machining for kitchen cabinet doors 16-22 mm



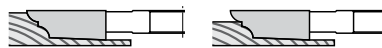
Mating profile machining for kitchen cabinet doors 15-24 mm



Mating profile machining for kitchen cabinet doors 22-25 mm



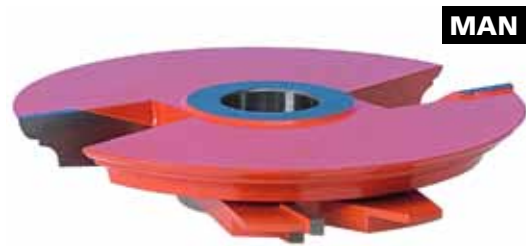
Panel routing



## Profile and matching profile cutter kit, 2 items HM

A unique cutter kit for making complete kitchen cabinet doors and interior doors, with both mating profiles and panel routing. Material thickness 15-45 mm. You do not need to use spacer rings when adjusting the tool. This makes it extra quick and easy to use.

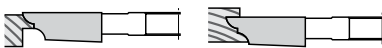
Part no.	Dia.	Hole
WP51401	160	30



Mating profile machining for kitchen cabinet doors 16-22 mm



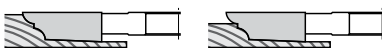
Mating profile routing for kitchen cabinet doors 15-24 mm



Mating profile machining for kitchen cabinet doors 22-25 mm



Panel routing



## Frieze cutter HM

Part no.	Dia.	Hole	Degrees
WP51202	160	30	5



## Tapered cutter kit HM

For repairing carvel-built boats and wooden floors etc.  
Consists of 1 blade and 1 hard metal shank cutter.

**Part no.**

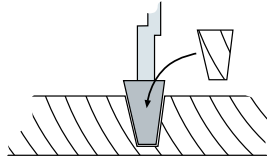
WP52400

**Technical data, blade**

External diameter 125 mm  
Hole 20 mm  
Cut width 6.2 mm  
Degrees 3

**Technical data, shank cutter**

Diameter 6.2 mm  
Flute length 25 mm  
Shank 8 mm  
Degrees 3



## Adjustable stud and duckboard cutter HM

With 45° chamfered edge. 2 part cutter kit, thickness adjustable between 19 and 50 mm, using the accompanying rings.

**Part no.**

WP51045

**Dia.**

120

**Hole**

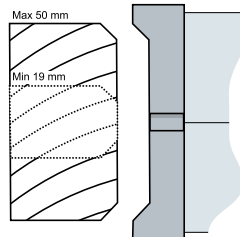
30

**Blade**

2+2

**Height**

30+30



## Adjustable stud and duckboard cutter HM

With rounded edge, radius 3 mm 2 part cutter kit, thickness adjustable between 19 and 50 mm, using the accompanying rings.

**Part no.**

WP50903

**Dia.**

120

**Hole**

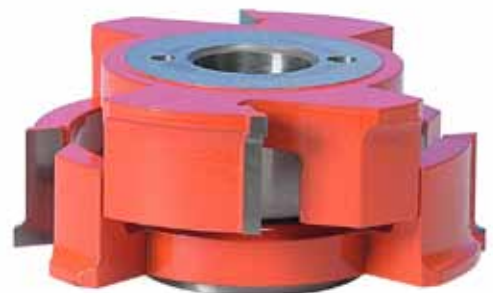
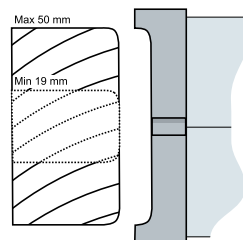
30

**Blade**

2+2

**Height**

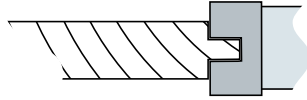
30+30



## Glazing bar cutter HM

Tongued and grooved board 6.0 mm

Part no.	Dia.	Hole	Blade	Height
WP51501	110	30	4	40

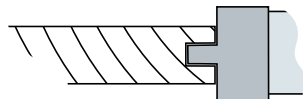


MAN

## Tongue & groove cutter HM

Tongued and grooved board 6.4 mm

Part no.	Dia.	Hole	Blade	Height
WP51501	110	30	4	40

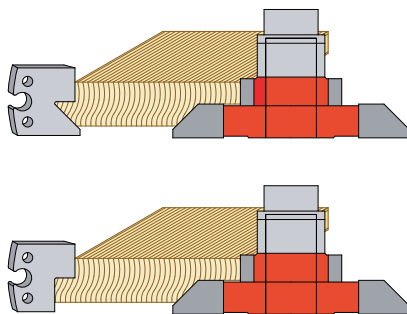


MAN

## External panel cutter kit

Developed for producing tongue-and-grooved panels with an un-planed exterior Complete kit containing 2 pairs of 40 mm HSS inserts (94341HSS & 94342HSS)

Part no.
WP52500



MEC

# WP Window kit

Complete window machining kit, incl rustic profile, 8 different HM tools for making windows. This tool kit can be used to make conventional coupled casement 2 or 3 pane insulating glass windows with conventional casements and glazing bars. The requirement is that there must be access to a jointer/planer, circular saw and router with a 30 mm spindle.

**MAN**



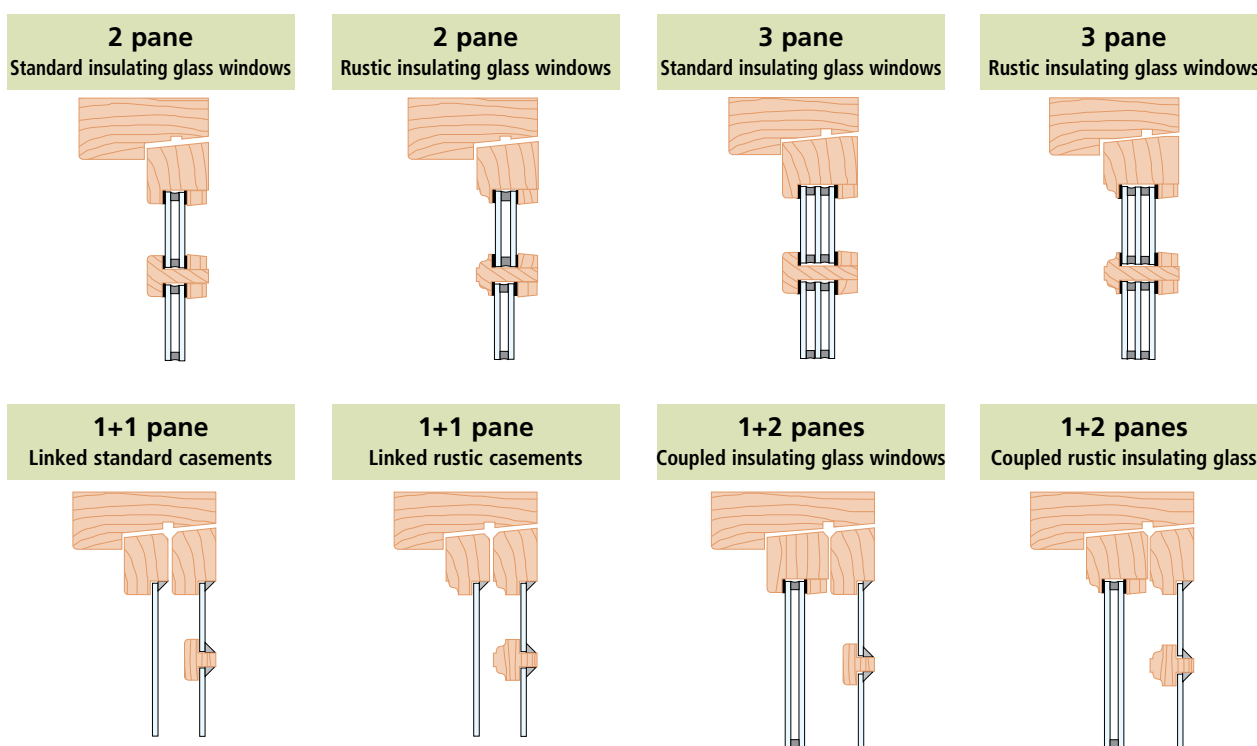
<b>Part no.</b>
WP50000

## Cutters included in WP Window cutter kit

	Diameter	Flute length	Blade	Hole		Separate part no.
Tongue & groove cutter, window flashing tongue & groove cutter	100	1	4	30		WP52101
Rounding cutter	98	9	2	30	Radius = 4	WP50704
Double insert cutter	120	15	2	30	Degrees = 45+45	WP51845
Chamfer cutter	120	50	2	30	Degrees = 6	WP51606
Rabbeting cutter with insert	120	50	2	30	Insert = 2+2	WP51950
Slit & mortise cutter	160	8	2	30	Insert = 1+1	WP50208
Slit & mortise cutter	180	12	2	30	Insert = 1+1	WP50312
Rustic profile / mating slot & mortise	180	13	2	30	Radius = 4+4	WP51704



The following types of windows can be made with the WP Window cutter kit:



# Supplementary kit, Mortise & Tenon for casements

Intended for cutting mortises and tenons in casements for outwards opening windows. Designed to suit all our window cutter kits.

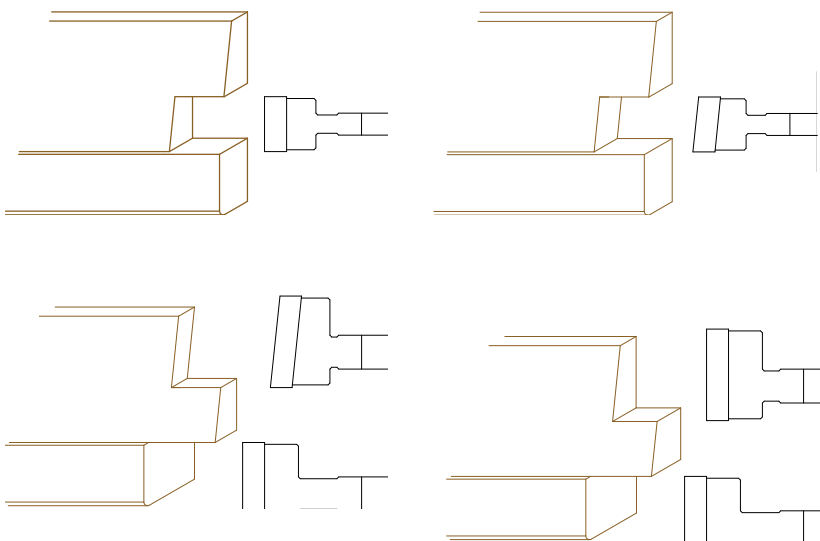


**Part no.**  
WP50001

Cutters included in supplementary kit WP50001

Cutter	Diameter	Flute length	De-grees	Hole
Chamfer cutter	129,6	50	6	30
Chamfer cutter	136	30	6	30
Chamfer cutter	136	30		30
Chamfer cutter	136	50		30
Chamfer cutter	160	50		30

Mortise & Tenon for casement WP50001





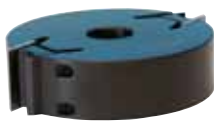
# TB90 Window cutter kit

For making windows. This tool kit can be used to make conventional coupled casement 2 or 3 pane insulating glass windows with conventional casements and glazing bars. The requirement is that there must be access to a jointer/planer, circular saw and router with a 30 mm spindle. This window cutter kit is the most flexible one commercially available, allowing you to configure your window production to meet customer requirements for profiling of the windows to be produced. To make production as efficient as possible with this kit, order an extra TB90-140S cutter, so you can make the tenons in one pass, as in the illustration on the next page.



Straight tongue & groove cutter with auxiliary blade

Part no.	Dia.	Hole	Height	Blade	Insert
WP50208	160	30	8	2	2



TB90-140S – Safety cutter with replaceable profile inserts + chip limiter

Part no.	Material	Diameter	Height	Blade	Steel thickness
TB90-140	Steel	138	30	2 + chip limiter	4

Complete window cutter kit incl. cutters and inserts. Order no. TB90-FönsterS

A chip limiter is included for all profiles



94753HSS  
94753S



95027HSS  
95027S



9000-20HSS  
9000-20S



90127  
90127S

The following types of windows can be made with the WP Window cutter kit:

<p><b>2 pane</b> Standard insulating glass windows</p>	<p><b>2 pane</b> Rustic insulating glass windows</p>	<p><b>3 pane</b> Standard insulating glass windows</p>	<p><b>3 pane</b> Rustic insulating glass windows</p>
<p><b>1+1 pane</b> Linked standard casements</p>	<p><b>1+1 pane</b> Linked rustic casements</p>	<p><b>1+2 panes</b> Coupled insulating glass windows</p>	<p><b>1+2 panes</b> Coupled rustic insulating glass</p>

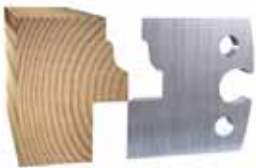
## Supplementary profiles for TB90 windows



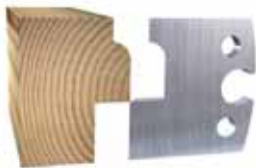
Profile machining, window casement



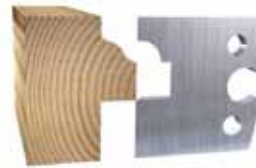
Mating profile machining, window casement



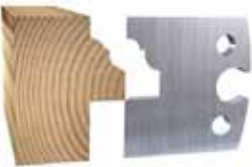
Profile insert: 94362HSS  
Mating profile insert: 94363HSS



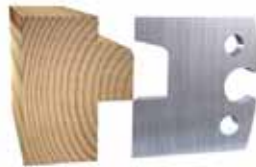
Profile insert: 94364HSS  
Mating profile insert: 94365HSS



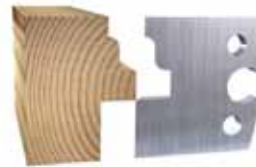
Profile insert: 94366HSS  
Mating profile insert: 94367HSS



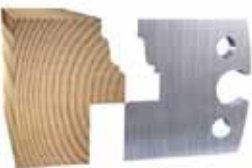
Profile insert: 94368HSS  
Mating profile insert: 94369HSS



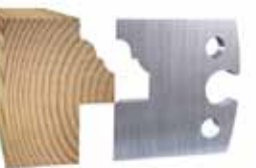
Profile insert: 94370HSS  
Mating profile insert: 94371HSS



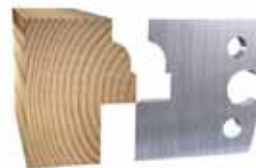
Profile insert: 94372HSS  
Mating profile insert: 94373HSS



Profile insert: 94374HSS  
Mating profile insert: 94375HSS



Profile insert: 94376HSS  
Mating profile insert: 94377HSS



Profile insert: 94378HSS  
Mating profile insert: 94379HSS

The window profiles above are designed to suit the TB90 window cutter kit. This means that the original tenon thickness is intended to be 8 mm, to suit the accompanying tongue & groove cutter. Please refer to Profile Cutter HSS 40 x 4 mm for detailed drawings of the above profile/mating profile cutter. **Specify the profile number and finish off with S to order chip limiters.**



# UNIVERSAL CUTTERS

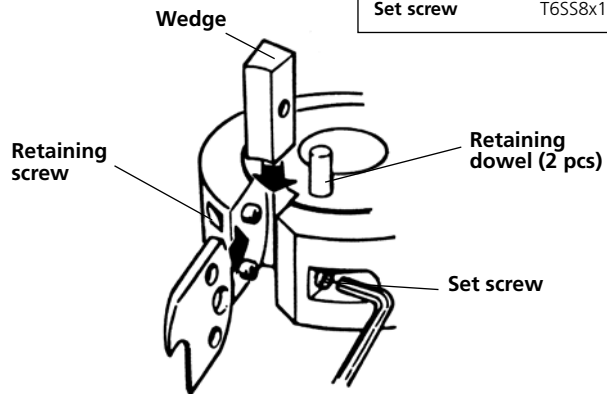
A solid cutter with anchorages for replaceable profile inserts. These are the tools that are normally used in Logosol's planer/moulders, which are also referred to as the TB system. A profile insert can be changed quickly, and all inserts are designed to have a common minimum flight diameter. This means that you save time, since the machine stop does not need to be changed when you change the profile insert. The flexibility of the system allows most machining tasks to be done at a very reasonable price.

## TB90 CUTTERS

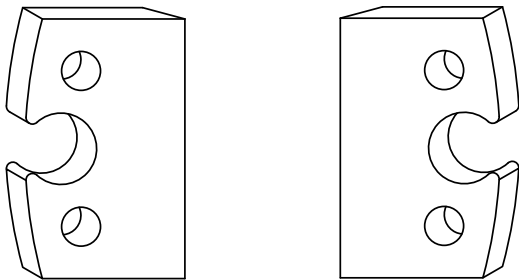
- Suits all stationary routers, with 20 or 30 mm spindle standard. Can also be used for side spindles in multi-spindle machines.
- All our TB90 cutters can use 40, 50 or 60 mm wide inserts.
- TB90-92 cutters can be stacked, using a couple of dowels. Part no. 8x20
- The inserts are quickly and easily inserted in the cutter, using pins that ensure that the inserts can not come loose, and ensure that they are exactly aligned. Some cutters are also available with chip limiters which reduce the risk of digging-in.

### SPARE PARTS TB90 cutter

Retaining screw	09.613
Wedge	Wedge TB90-92
Retaining dowel	8x20
Set screw	T6SS8x16



## PROFILE INSERT

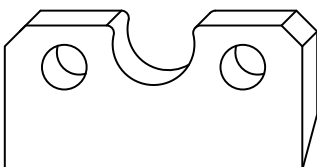


- Inserts like these suit our TB90 cutters plus other commercially available cutters with the same hole pattern.

### Steel grade

Tool steel	Works well in softwood like Spruce & Pine, if you are going to machine less than 200 metres length
HSS 6%	Works well in softwood like
HSS 18%	Should be chosen if you are going to machine hardwoods like Oak and Beech
HM	Should be chosen if you are going to machine materials like Teak and MDF

- When you order a chip limiter, put a S at the end of the insert's part number.



- These inserts fit the TB98 cutter and the upper cutter in Logosol and Moreten planers.
- This type of profile insert, with up to 5 mm projection, can also be used in the lower cutter in the above planers.

## TB90-84

This is a cutter which is suitable for machinery with smaller table opening. Another advantage of this cutter is that it can work on smaller radii. Delivered with a pair of 40 mm wide rabbeting inserts.

Part no.	Material	Dia.	Height	Blade	Hole	Thickness, blade
TB90-84-20	Aluminium	78	40	2	20	4
TB90-84-30	Aluminium	78	40	2	30	4

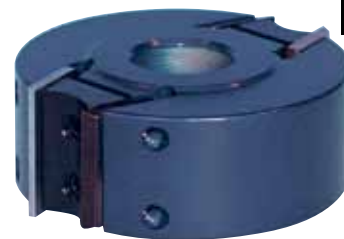


**MEC**

## WP90 with chip limiter

An aluminium cutter, which gives it very low weight. The cutter has a chip limiter, to reduce dig-in and kick-back (Max chip thickness 1.1 mm). When you order a chip limiter, put a S at the end of the part number. Delivered with a pair of 40 mm wide rabbeting inserts and chip limiters.

Part no.	Material	Dia.	Height	Blade	Hole	Thickness, blade
WPTB90-98S	Aluminium	100	40	2+chip limiter	30	4

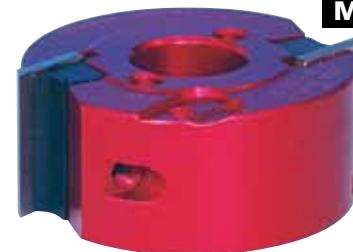


**MAN**

## TB90-92

The TB90-92 is an aluminium cutter, which gives it very low weight. The cutter is designed for a reversible insert no. **HM-9000**. Delivered with a pair of 40 mm wide rabbeting inserts.

Part no.	Material	Dia.	Height	Blade	Hole	Thickness, blade
TB90-92	Aluminium	88	40	2	30	4



**MEC**

## TB90-140

An aluminium cutter, an excellent choice for machining tenons. Delivered with a pair of 40 mm wide rabbeting inserts.

Part no.	Material	Dia.	Height	Blade	Hole	Thickness, blade
TB90-140	Aluminium	138	40	2	30	4



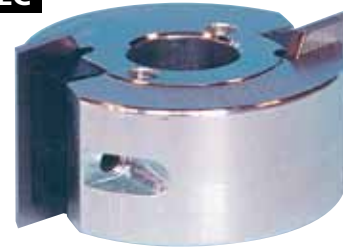
**MEC**

## Universal cutter TB90-92 steel

TB90-92 steel is a zinc plated, very durable steel cutter. Suitable for tough jobs. Delivered with a pair of 50 mm wide rabbeting inserts.

Part no.	Material	Dia.	Height	Blade	Hole	Thickness, blade
TB90-92 Steel	Steel	88	40	2	30	4-5,5

**MEC**



## Universal cutter TB90-92 Z4

TB90-92 Z4 is a zinc plated steel cutter with 4 inserts. Four inserts means that you can increase the feed rate of the machine, and still maintain an excellent finish. Delivered with four 50 mm wide rabbeting inserts.

Part no.	Material	Dia.	Height	Blade	Hole	Thickness, blade
TB90-92 Z4	Steel	88	40	4	30	4-5,5

**MEC**



## Universal cutter TB912-92

Black chromed universal cutter, steel. The cutters are 120 mm high and work with both 5.5 and 4 mm thick inserts. Intended for 130 mm profile inserts. Delivered without inserts.

Part no.	Material	Dia.	Height	Blade	Hole	Thickness, blade
TB912-92	Steel	88	120	2	30	4-5,5

**MEC**



## Safety cutter TB912-92S

Black chromed safety cutter, steel. The cutter can be fitted with a chip limiter, to reduce dig-in and kick-back (Max chip thickness 1.1 mm). When you order a chip limiter, put a S at the end of the part number. The cutters are 120 mm high and work with both 5.5 and 4 mm thick inserts. Intended for 130 mm profile inserts. Delivered without inserts.

Part no.	Material	Dia.	Height	Blade	Hole	Thickness, blade
TB912-92S	Steel	88	120	2+chip limiter	30	4-5,5

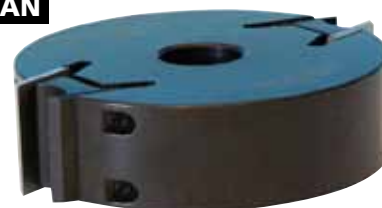
**MAN**



## Safety cutter TB90-140S

A steel safety cutter that is excellent for machining mortises. Delivered with 1 pair of 40 mm rabbeting inserts and chip limiters. The cutter is included in the TB9 Window kit.

**MAN**



Part no.	Material	Dia.	Height	Blade	Hole	Thickness, blade
TB90-140S	Steel	138	40	2+chip limiter	30	4-5,5
TB90-200S	Steel	198	40	2+chip limiter	30	4-5,5

## Safety cutter TB90-92S

A steel cutter for tough jobs. The cutter has a chip limiter, to reduce dig-in and kick-back (Max chip thickness 1.1 mm). When you order a chip limiter, put a S at the end of the part number. Delivered with a pair of 40 mm wide rabbeting inserts and chip limiters.

**MAN**



Part no.	Material	Dia.	Height	Blade	Hole	Thickness, blade
TB90-92S	Steel	88	40	2+chip limiter	30	4-5,5

## TB90-120

TB90-120 is a steel cutter for tougher machining jobs. Delivered with a pair of 40 mm wide rabbeting inserts.

**MEC**



Part no.	Material	Dia.	Height	Blade	Hole	Thickness, blade
TB90-120	Steel	120	40	2	30	4

## TB90-120 Z4

4-insert cutter, for a finer workpiece surface or increased feed rate. Delivered with four 40 mm wide rabbeting inserts.

**MEC**



Part no.	Material	Dia.	Height	Blade	Hole	Thickness, blade
TB90-120Z4	Steel	120	40	4	30	4

## Universal cutter kits TB90

Complete basic kits in a practical plastic protective package, containing the most commonly used cutter inserts, plus an aluminium TB90-92 universal cutter.

**MEC**



Part no.	Description
TB90-06	Cutter + 7 pairs of inserts (9000-9006)
TB90-10	Cutter +11 pairs of inserts (9000-9010)
TB90-12	Cutter +13 pairs of inserts (9000-9012)

## Universal cutter kits TB90S

Complete basic kits in a practical plastic protective package, containing the most commonly used cutter inserts, plus a steel TB90-92S universal cutter. The cutter has a chip limiter, to reduce dig-in and kick-back (Max chip thickness 1.1 mm).

**MAN**



Part no.	Description
TB90-06S	Cutter + 7 pairs of inserts (9000-9006)
TB90-10S	Cutter +11 pairs of inserts (9000-9010)
TB90-12S	Cutter +13 pairs of inserts (9000-9012)

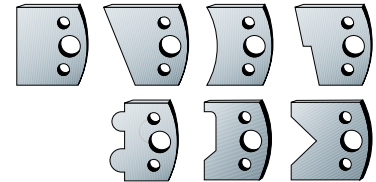
## WP90 Milling cutter insert

A perfect starting kit, complete with 7 pairs of inserts and chip limiters for increased safety. The cutter is made from high quality aluminium, with a standard hole pattern which offers a very wide selection of inserts.

**MAN**



Accompanying profiles



Part no.	Dia.	Hole	No. of inserts	Hole diameter
WPTB90-06S	100	40	2+2	30

## HM Reversible rabbeting cutter kit

Using TB90-92 and this reversible hard metal cutter kit, you can machine chipboard and other abrasive materials. The auxiliary blade in the kit reduces the risk that the material will splinter.

Part no.	Description
HM-9000	2 Holders for reversible cutters
L401	2 HM reversible cutters 40x12x1.5 mm
L141	2 HM auxiliary blades 14x14x1.2 mm

## Ball bearing ring

Suits TB90-92.

Part no.	Diameter	Height
47093	93,5	15

## Ball bearing

For the above ball bearing ring.

Part no.	External diameter	Height
47093	55	30



# Cutter wedges

Spare part wedge for TB89 cutter.

Part no.	Description
99-1318-3	Wedge, 38mm for TB98
99-1318-82	Wedge, 100mm for TB98
99-1318-2	Wedge, 180 mm for TB98



For installing TB90 inserts in Moreten Logosol planer/moulders, in the upper and lower cutters. Supplied in pairs.

Part no.	Description
KIL-038	Standard

Adjustable wedge that allows the insert to be adjusted  $\pm 2$  mm in height. Supplied in pairs.

Part no.	Description
STÄLLKIL-038	Adjustable wedge

Narrow wedge that allows 5.5 thick inserts to be used in Moreten Logosol planer/moulders, in the upper and lower cutters. Can also be used to install 100 mm and 130 mm inserts in Logosol SH230. Supplied in pairs.

Part no.	Description
TIMKIL-038	Narrow wedge

For installing TB90 inserts in Logosol PH360 in the upper cutter. Supplied in pairs.

Part no.	Description
KIL360-048	Standard for top cutter PH360

# TB98 Universal cutter

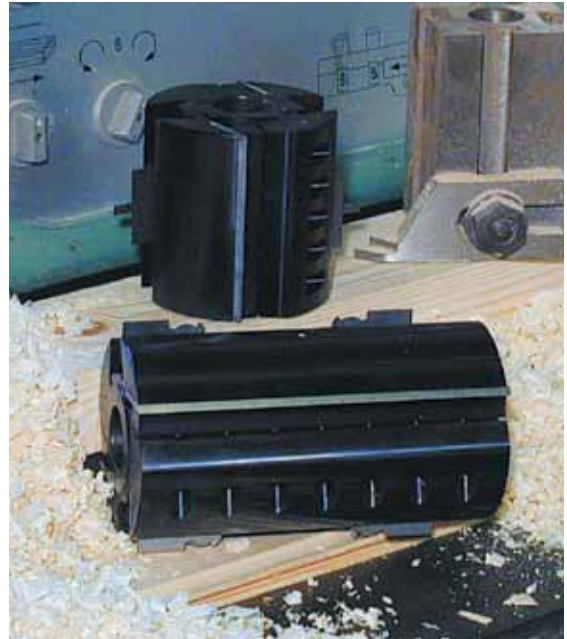
This cutter gives you an excellent opportunity for machining neat, unique profiles with your moulding plane or vertical spindle router in a simple, rational manner.

The TB98 cutter can be used to advantage, to make fully profiled mouldings in one and the same operation. We have illustrated some of the possibilities in the “Combinations” section (see page 102).

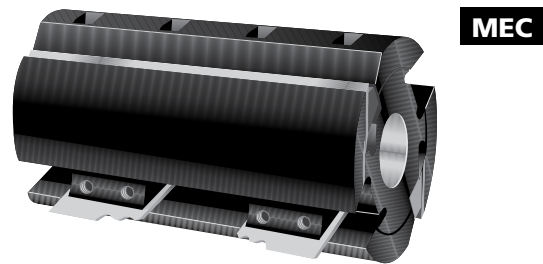
The cutter can be installed in most moulding planes or stationary routers.

### TB98 Universal profile cutter

The TB98 cutter can be used in combination with moulding planes or vertically, in stationary routers. The cutter is equipped with two straight HSS inserts for flat machining/planing and two grooves that hold four tension wedges, designed for profile inserts in the TB system, adjustable across the entire width of the cutter.



Part no.	Dia.	Hole	Width	Z
TB98-100100	100	30	100	2+2
TB98-100120	100	30	120	2+2
TB98-100180	100	30	180	2+2
TB98-120100	120	50	100	2+2
TB98-120180	120	50	180	2+2



**Planing tool** - extra high speed steel planing insert (HSS) of the TB98 cutter.

Part no.	Length	Width	Thick-ness
HSS-100	100	30	3
HSS-180	180	30	3

**Reduction sleeve** - to adapt the TB98 cutter to machines with different spindles than above.

Part no.	Description
713.104	Reduction sleeve 50-30
713.111	Reduction sleeve 50-35
713.113	Reduction sleeve 50-40

# TB90 Frieze and Rabbet cutter

## One cutter for machining different friezes with a TB90 cutter!

This is a system for making friezes on solid wood door panels, cupboard doors and drawer fronts. The cutter can be used for machining both above and below the workpiece, in combination with a chip limiter. Max. frieze width app 65 mm + any clearance for the spindle ring.

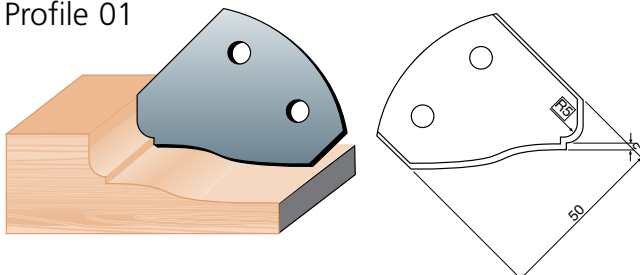


Part no.	Material	Dia.	Height	Hole	No. of inserts
TB90-FS	Aluminium	160	50	30	2+2

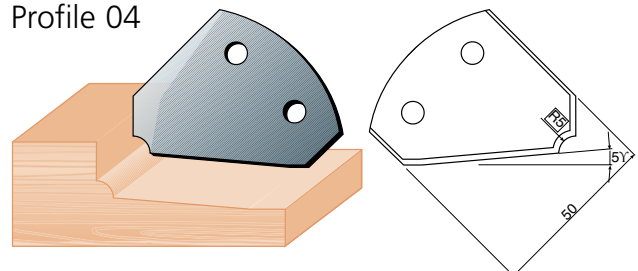
## Profile insert

Profile insert	Tool steel	HSS steel	Chip limiter
Profile 01 upper	V01ö	H01ö	S01ö
Profile 01 lower	V01u	H01u	S01u
Profile 02 upper	V02ö	H02ö	S02ö
Profile 02 lower	V02u	H02u	S02u
Profile 03 upper	V03ö	H03ö	S03ö
Profile 03 lower	V03u	H03u	S03u
Profile 04 upper	V04ö	H04ö	S04ö
Profile 04 lower	V04u	H04u	S04u
Profile 05 upper	V05ö	H05ö	S05ö
Profile 05 lower	V05u	H05u	S05u
Profile 06 upper	V06ö	H06ö	S06ö
Profile 06 lower	V06u	H06u	S06u
Profile 07 upper	V07ö	H07ö	S07ö
Profile 07 lower	V07u	H07u	S07u

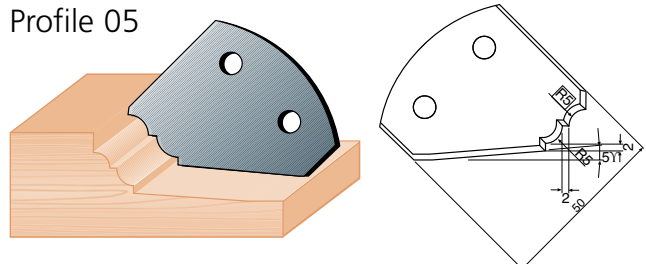
Profile 01



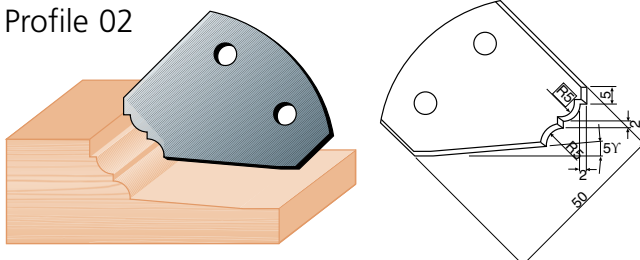
Profile 04



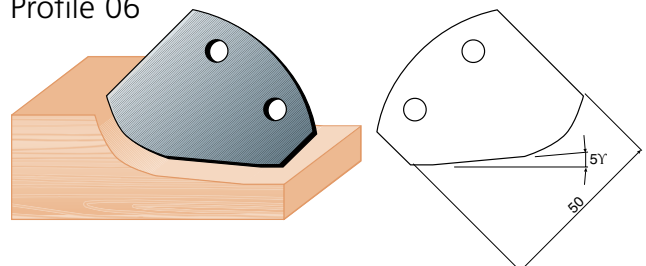
Profile 05



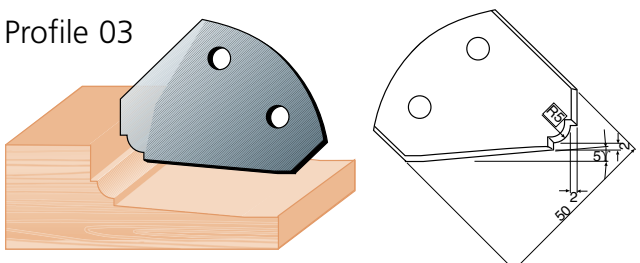
Profile 02



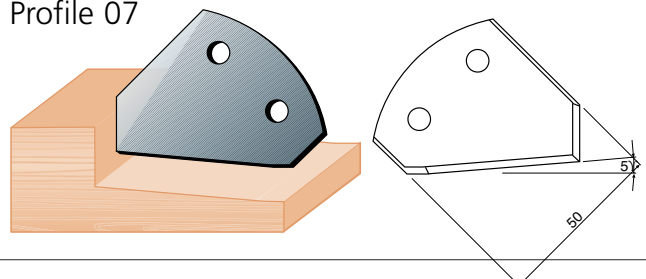
Profile 06



Profile 03



Profile 07



# Slab milling cutter

Slab milling cutter MEC. All slab milling cutters are supplied without inserts.



**Slab milling cutter MEC Z2**

Part no.	Dia.	Hole	Height	Blade	Material
TBR-13710050211	137	50	100	2	Steel



**MEC**

**Slab milling cutter MEC Z2**

Part no.	Dia.	Hole	Height	Blade	Material
50110330	120	30	80	2	steel
50110530	120	30	130	2	steel



**Slab milling cutter MEC Z4**

Part no.	Dia.	Hole	Height	Blade	Material
TBR-13718050411	137	50	180	4	steel



**MEC**

**Slab milling cutter, max profile depth 25 mm**

Cutters developed for Logosols planer/moulders

Part no.	Dia.	Hole	Height	Blade	Material
TBR-906030211	90	60	30	2	steel
TBR-908030211	90	80	30	2	steel
TBR-9010030211	90	100	30	2	steel
TBR-9012030211	90	120	30	2	steel



**MAN**

**Slab milling cutter MAN Z2**

Part no.	Dia.	Hole	Height	Blade	Material
TBR-1228030221	122	80	30	2	Steel
TBR-12210030221	122	100	30	2	Steel
TBR-12213030221	122	130	30	2	Steel