

Grooving cutters

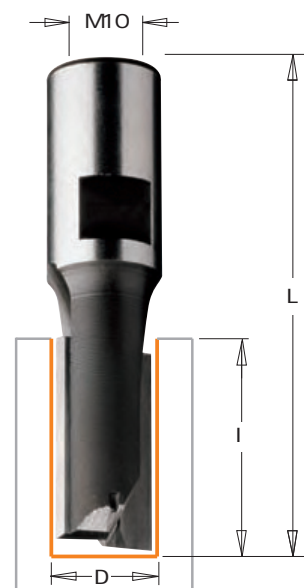


HW plunge centre tip

TECHNICAL DETAILS:

- Super strength steel
- 2 alternating precision ground HW [Z2+1]

APPLICATION: ideal for cutting openings for electrical boxes and similar operations in solid wood, wood composites, plastics and laminates. Can be used on machining centres, CNC routers and hand-held routers equipped with chucks or adaptors.



HW plunge centre tip

170-171-180-181

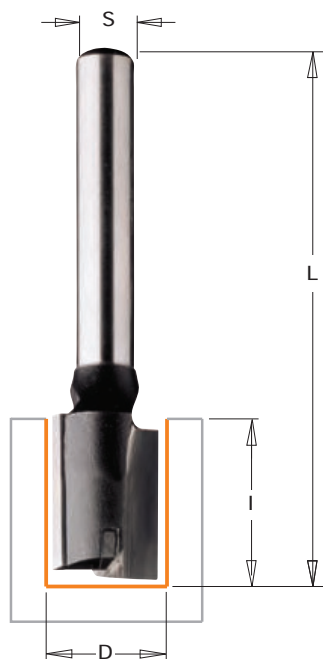


D mm	I mm	L mm	ORDER NO. S=M12x1
6	18	60	170.060.11
8	23	60	170.080.11
10	23	60	170.100.11
11	23	60	170.110.11
12	23	60	170.120.11
14	23	60	170.140.11
15	25	60	170.150.11
16	25	60	170.160.11
18	25	60	170.180.11
20	25	60	170.200.11
22	25	60	170.220.11
24	25	60	170.240.11
25	25	60	170.250.11
26	25	60	170.260.11
28	25	60	170.280.11
30	25	60	170.300.11
35	25	60	170.350.11
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
12	45	77	180.120.11
16	45	77	180.160.11
18	45	77	180.180.11
20	45	77	180.200.11
16	60	92	181.160.11
20	60	92	181.200.11

173-182



D mm	I mm	L mm	ORDER NO. S=M10
6	14	50	173.060.11
8	20	52	173.080.11
10	22	52	173.100.11
12	22	52	173.120.11
14	25	52	173.140.11
15	25	52	173.150.11
16	25	52	173.160.11
18	25	52	173.180.11
20	25	52	173.200.11
22	25	52	173.220.11
25	25	52	173.250.11
30	25	52	173.300.11
8	35	67	182.080.11
10	35	67	182.100.11
12	35	67	182.120.11
14	35	67	182.140.11
16	45	77	182.160.11
18	45	77	182.180.11
20	45	77	182.200.11



174-177

These industrial straight bits are made a kind of stainless steel specifically created to support hard work on route machines and CNC routers.

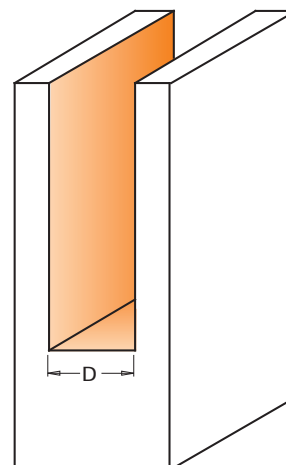
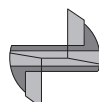
Its cutting plunging edge will allow you to execute any kind of drilling and trimming jobs on soft and hard wood, wood composites and also plastic and laminated materials.

Application

Used for drilling, grooving or jointing solid wood and wood composites. Can be used on machining centres, CNC routers and hand-held routers equipped with chucks or adaptors.

Plunge centre tip

This particular kind of cutting plunging edge allows long-lasting performance on drilling operation.



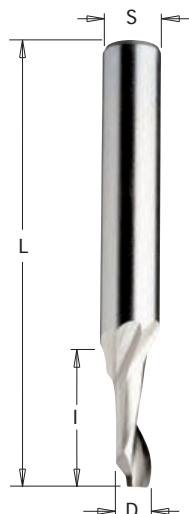
Drawing are 1:1 scale

D mm	I mm	L mm	ORDER NO. S=Ø8mm
• 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
10	40	90	174.101.11
11	20	60	174.110.11
12	20	60	174.120.11
12	40	90	174.121.11
13	20	60	174.130.11
14	20	60	174.140.11
14	40	90	174.141.11
15	20	60	174.150.11
16	20	70	174.160.11
16	40	90	174.161.11
18	20	70	174.180.11
new 18	30	70	174.181.11
new 18	40	80	174.182.11
new 19	20	70	174.190.11
20	20	70	174.200.11
new 20	30	70	174.201.11
22	20	70	174.220.11
24	20	70	174.240.11
new 25	20	70	174.250.11
26	20	70	174.260.11
28	20	70	174.280.11
new 29	20	70	174.290.11
30	20	70	174.300.11

D mm	I mm	L mm	ORDER NO. S=Ø12mm
10	35	90	177.100.11
12	35	90	177.120.11
12	50	100	177.121.11
14	35	90	177.140.11
16	35	90	177.160.11
16	60	110	177.161.11
18	35	90	177.180.11
18	60	110	177.181.11
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

HS 5%co spiral bit for aluminium positive single flute

CMT

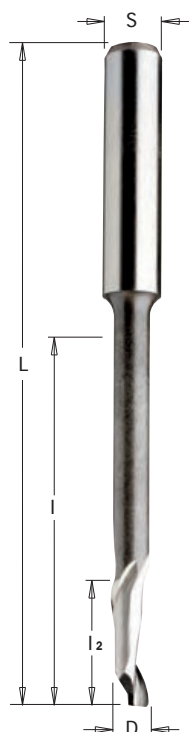


188

HS Z1 RH

D mm	I mm	L mm	ORDER NO. S=Ø8mm
3	12	60	188.030.51
4	12	60	188.040.51
4	40	100	188.041.51
5	14	60	188.050.51
5	40	100	188.051.51
6	14	60	188.060.51
6	40	100	188.061.51
7	14	60	188.070.51
8	14	80	188.080.51
8	40	100	188.081.51
9	14	80	188.090.51
10	14	80	188.100.51
12	14	80	188.120.51

HS 5%co spiral bit for aluminium positive single flute for high cutting depth



189

HS Z1 RH

D mm	I mm	I ₂ mm	L mm	S mm	ORDER NO.
4	46	16	90	8	189.040.51
5	35	18	80	8	189.050.51
5	35	14	120	8	189.051.51
5	55	16	90	8	189.052.51
6	45	16	90	8	189.060.51
8	68	14	100	8	189.080.51
8	55	14	80	8	189.081.51
10	95	14	120	10	189.100.51
10	70	30	100	10	189.101.51

TECHNICAL DETAILS:

- Premium quality solid HS 5%co
- 1 up cut spiral cutting edge
- Upward chip ejection

APPLICATION: the single flute design of these tools, which carves rather than pushes the material, makes them equally effective in all types of aluminum.

The end result is that the tools provide more flexibility than the traditional bits, better finishes and higher productivity.

Solid carbide spiral bits

Saw blades

Tools with bore & Knives

Router Bits & Sets

CNC Router Cutter & Chucks

Industrial Dowel Drills

Bits for Hand Power Tools

Spare Parts

Power Tools & Accessories

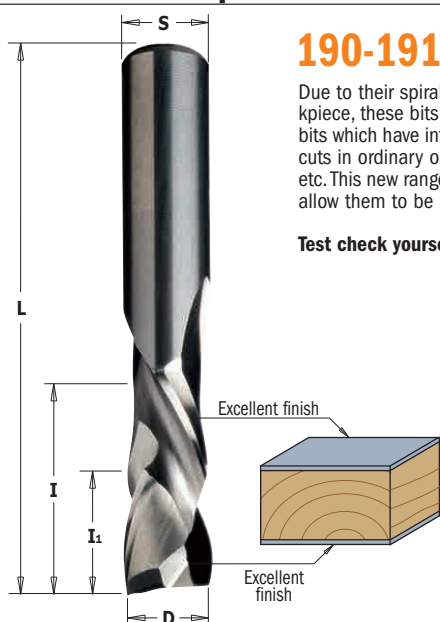
Display Cabinets

86

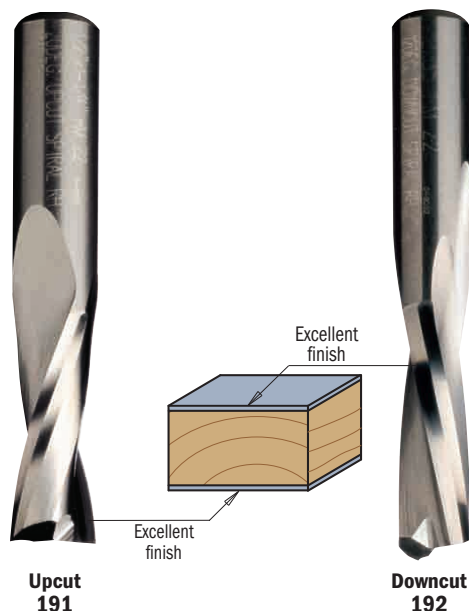
190-191-192

Due to their spiral cutting edge which stays in continuous contact with the workpiece, these bits give a smooth, chatter-free cutting action, unlike conventional bits which have intermittent contact with the workpiece. Unsurpassed for cleaner cuts in ordinary or difficult materials, softwood, hardwood, plywood, composites etc. This new range of spiral bits with 6, 8, 12mm and 6,35 and 12,7mm shanks allow them to be used with C.N.C. router and hand-routers.

Test check yourself the extraordinary quality-price ratio of these bits!



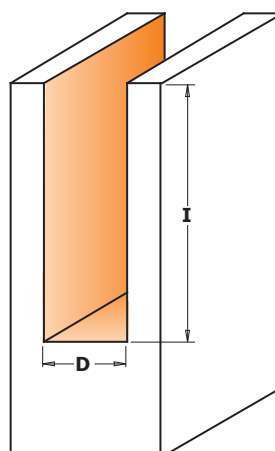
Upcut & Downcut 190



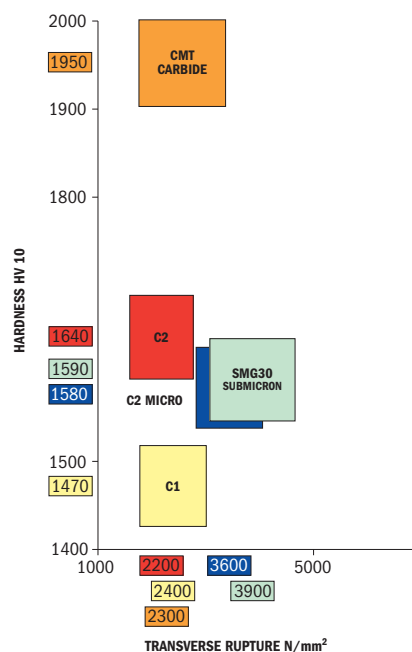
Upcut 191

Downcut 192

HWM Z2 Z2+2 Z3+3 RH



Drawing are 1:1 scale



... Z2+2 upcut & downcut spiral

190

D mm	I mm	I1 mm	L mm	Z	ORDER NO. S=Ø8mm	ORDER NO. S=Ø9,5mm	ORDER NO. S=Ø10mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
8	32	7	80	2+2	190.080.11				
9,52	28,6	7	76,2	2+2		190.504.11			
10	32	7	80	2+2			190.100.11		
12	42	7	90	2+2				190.120.11	
12,7	25,4	16	76,2	2+2					190.505.11
12,7	28,6	16	76,2	2+2					190.506.11
12,7	34,9	16	88,9	2+2					190.507.11
12,7	41,3	16	101,6	2+2					190.508.11
up & downcut mortising bits									
9,52	22,2	4,8	76,2	2+2		190.513.11			
9,52	25,4	5,2	76,2	3+3		190.813.11			
12	25,4	5,2	76,2	3+3				190.320.11	
12,7	22,2	5,2	76,2	2+2					190.515.11
12,7	34,9	5,2	88,9	2+2					190.517.11

NEW
NEW

... Z2 upcut spiral

191

D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
3	12	60	191.630.11		191.830.11		
3,18	12,7	50,8		191.001.11			
3,5	12	60	191.635.11				
3,97	12,7	50,8		191.003.11			
4	15	60	191.640.11		191.840.11		
4,76	19,05	50,8		191.005.11			
5	17	60	191.650.11		191.850.11		
6	27	70	191.060.11		191.860.11		
6,35	19,05	50,8		191.007.11			
6,35	25,4	63,5		191.008.11			
7	32	80			191.870.11		
7,94	25,4	76,2					191.501.11
8	27	70			191.080.11		
8	32	80			191.081.11		
8	42	90			191.082.11		
9	32	80				191.890.11	
9,53	31,75	76,2					191.503.11
10	32	80			191.800.11	191.900.11	
10	42	90				191.901.11	
12	35	80			191.820.11	191.120.11	
12	42	90				191.121.11	
12	52	100				191.122.11	
12,7	31,75	76,2					191.505.11
12,7	38,1	88,9					191.506.11
12,7	50,8	101,6					191.507.11

... Z2 downcut spiral

192

D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
3	12	60	192.630.11		192.830.11		
3,18	12,7	50,8		192.001.11			
3,97	12,7	50,8		192.003.11			
4	15	60	192.640.11		192.840.11		
4,76	19,05	50,8		192.005.11			
5	17	60	192.650.11		192.850.11		
6	27	70	192.060.11		192.860.11		
6,35	19,05	50,8		192.007.11			
6,35	25,4	63,5		192.008.11			
7,94	25,4	76,2					192.501.11
8	27	70			192.080.11		
8	32	80			192.081.11		
8	42	90			192.082.11		
9,53	31,75	76,2					192.503.11
10	32	80			192.800.11	192.900.11	
12	35	80			192.820.11	192.120.11	
12,7	31,75	76,2					192.505.11
12,7	38,1	88,9					192.506.11
12,7	50,8	101,6					192.507.11

Saw blades

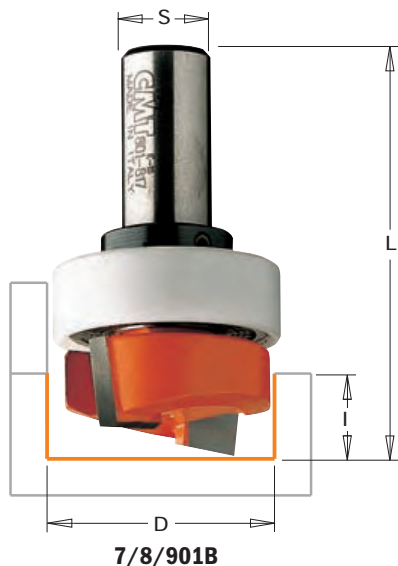
Tools with bore
& KnivesRouter Bits
& SetsCNC Router Cutter
& ChucksIndustrial
Dowel DrillsBits for Hand
Power Tools

Spare Parts

Power Tools
& Accessories

Display Cabinets

Mortising bits



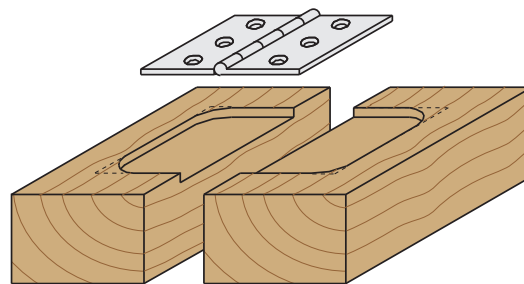
7/8/901B

7/8/901 - 7/8/901B

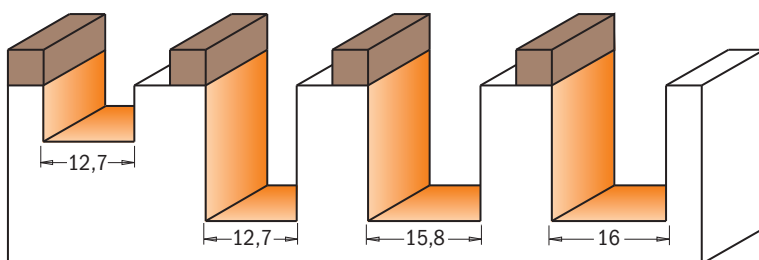
Equipped with thick carbide tips and negative shear angle design, CMT mortising bits guarantee you a flawless performance. Mortise perfect hinges with no splintered edges or rough bottoms. They also make an easy job of piece work in both natural wood and wood composites. Fit most popular mortising jigs. The CMT mortising bit with top bearing guide is the perfect bit for sign making or any kind of template work.



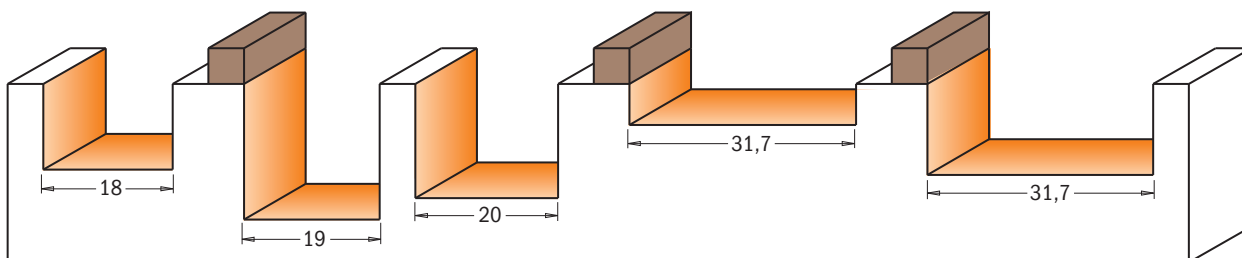
7/8/901



This is an example of how to use a CMT mortising bit to fit a hinge.



Drawing are 1:1 scale

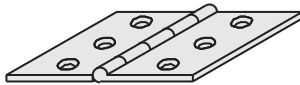


D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm	Spare parts		
								Bearing	Stop collar	Hex key 1,5mm
12,7	7,9	46		801.128.11						
12,7	19	54	701.127.11	801.127.11	901.127.11					
12,7	19	60				901.627.11	801.627.11			
15,8	19	57		801.158.11						
16	19	54	701.160.11		901.160.11					
18	12	48	701.180.11		901.180.11					
19	19	54	701.190.11	801.190.11	901.190.11					
19	19	57					801.690.11			
20	16	48	701.200.11		901.200.11					
31,7	5,7	63					801.818.11			
31,7	12,7	48		801.317.11						
31,7	12,7	54				901.817.11	801.817.11			
with top bearing										
12,7	7,9	46		801.128.11B				791.010.00	541.001.00	991.056.00
12,7	19	54		801.127.11B				791.010.00	541.001.00	991.056.00
15,8	19	57		801.158.11B				791.009.00	541.001.00	991.056.00
16	19	54			901.160.11B			791.025.00	541.004.00	991.056.00
19	19	54	701.190.11B					791.007.00	541.003.00	991.056.00
19	19	54		801.190.11B				791.004.00	541.001.00	991.056.00
31,7	5,7	63					801.818.11B	791.015.00	541.002.00	991.056.00
31,7	12,7	54					801.817.11B	791.015.00	541.002.00	991.056.00

Hinge recesser bits



Ideal for recessing hinges cuts

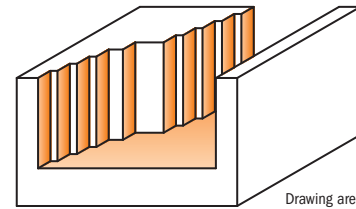


7/902

CMT hinge recesser bits are ideal for shallow lateral routing cuts such as recessing hinges.

Shop Tips: Corners will require final trimming square with a hand chisel or a corner chisel.

The special construction allows good chip clearance and plunging.



Drawing are 1:1 scale

D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø8mm
12	12	38	702.120.11	902.120.11
13	12	38	702.130.11	902.130.11
14	12	38	702.140.11	902.140.11
15	12	38	702.150.11	902.150.11
16	12	38	702.160.11	902.160.11
20	11	38	702.200.11	902.200.11
22	11	38	702.220.11	902.220.11
new 23	11	38	702.230.11	902.230.11
24	11	38	702.240.11	902.240.11
25	11	38	702.250.11	902.250.11

Dado & Planer bits



852B

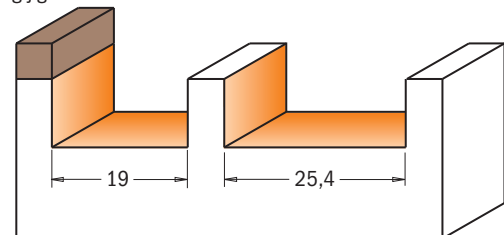


852

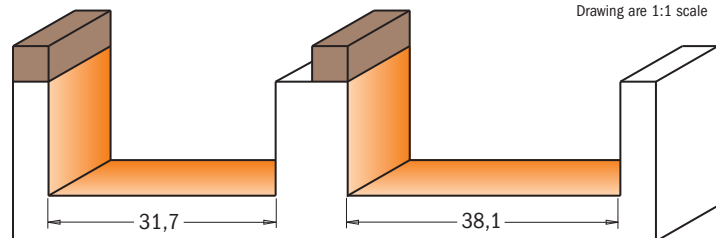
852/852B



Constructed with thick carbide tips and downward shear angle design, CMT Mortising Bits give you flawless performance. The negative shear angle of the cutting edges pushes the wood fibers down as they cut, allowing you to rout perfect hinge mortises with no splintered edges or rough bottoms. They also make an easy job of piece work in both natural wood and wood composites. We offer bits to fit most popular mortising jigs.

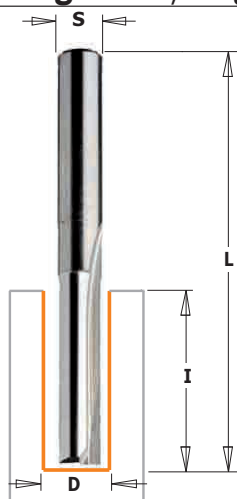


Drawing are 1:1 scale



D mm	I mm	L mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø12,7mm	Spare parts		
19	9,5	57	852.001.11		Bearing	Stop collar	Hex key 1,5mm
19	9,5	63,5		852.501.11			
25,4	9,5	57		852.502.11			
31,7	15,8	70		852.503.11			
38,1	15,8	70		852.504.11			
with top bearing							
19	9,5	57	852.001.11B		791.004.00	541.001.00	991.056.00
19	9,5	63,5		852.501.11B	791.011.00	541.002.00	991.056.00
31,7	15,8	70		852.503.11B	791.015.00	541.002.00	991.056.00
38,1	15,8	70		852.504.11B	791.020.00	541.002.00	991.056.00

Straight bits, long series



7/8/912

Safety precautions: never use damaged or worn bits. Always work at the proper feed rate without forcing the bit.

Pay particular attention when making the initial cut with a small diameter bit.

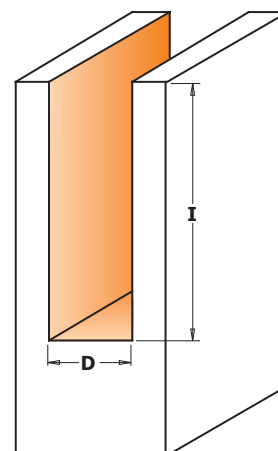
For best results when working with small diameter bits, make the cut in more than one pass.

The cutting edge top sharpening on 9mm diameter bits and larger allows for short plunging operations.



Masterpack

HW HWM Z2 RH



Drawing are 1:1 scale

D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
• 3	11	60	712.030.11				
• 3,2	12,7	50,8		812.032.11			
• 4	12	60	712.040.11				
• 5	18	60	712.050.11				
• 6	25,4	60	712.060.11	812.060.11	912.060.11		
• 6,35	25,4	60		812.064.11			
• 8	31,7	60	712.080.11	812.080.11	912.080.11		
• 8	31,7	75				912.580.11	
9	31,7	75				912.590.11	
9,5	31,7	63,5		812.095.11			
9,5	31,7	73					812.595.11
10	31,7	60	712.100.11	812.100.11	912.100.11		
10	31,7	70					812.600.11
10	31,7	74				912.600.11	
11,1	31,7	82,5					812.611.11
12	31,7	60	712.120.11	812.120.11	912.120.11		
12	31,7	70					812.620.11
12	38,1	95				912.621.11	812.621.11
12	50,8	108				912.622.11	
12,7	31,7	70		812.127.11	912.127.11		
12,7	38,1	95					812.627.11
12,7	50,8	108					812.628.11
12,7	63,5	111					812.629.11
14	31,7	60	712.140.11	812.140.11	912.140.11		
14	31,7	70				912.640.11	
15	31,7	66	712.150.11	812.150.11	912.150.11		
15	31,7	70				912.650.11	
15,8	31,7	70		812.158.11			
16	31,7	66	712.160.11	812.160.11	912.160.11		
16	31,7	70				912.660.11	812.660.11
18	38,1	80				912.681.11	
19	38,1	82,5				912.690.11	812.690.11
19	50,8	92				912.691.11	812.691.11
20	38,1	80				912.701.11	
22	38,1	80				912.721.11	
NEW 5 pcs. in masterpack							
12,7	50,8	108					812.628.11-X5
10 pcs. in masterpack							
12,7	50,8	108					812.628.11-X10

• HWM

Saw blades

Tools with bore
& Knives

Router Bits
& Sets

CNC Router Cutter
& Chucks

Industrial
Dowel Drills

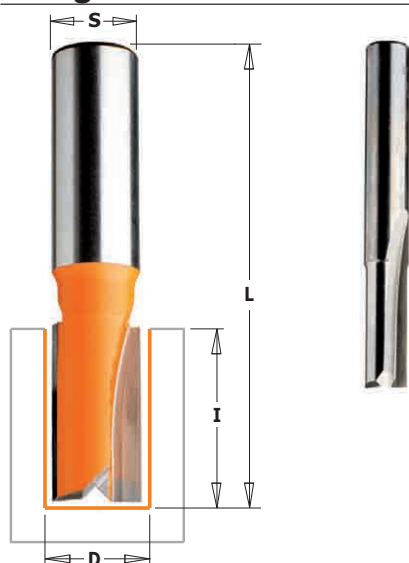
Bits for Hand
Power Tools

Spare Parts

Power Tools
& Accessories

Display Cabinets

Straight bits



7/8/911

HW HWM Z1 Z2 RH

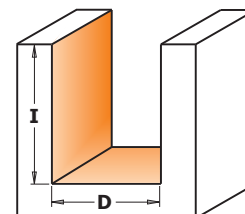
If you are looking to get the most out of your time and money through more efficient production, but want nothing less than a beautiful clean edge on your finished piece, then you definitely must include CMT straight bits in your collection. These razor-sharp, double-faced cutters perfectly synthesize the characteristics and advantages that define quality CMT products. Made of special Fatigue Proof® steel and micrograin carbide, our straight bits can withstand even the heaviest work load and still give you a smooth, precise cut every time. You also get exceptional chip ejection to allow cleaner and more constant cutting.

The surface of all CMT bits is protected with our trademark orange non-stick PTFE to help keep the bit from collecting resin, pitch and other residue.

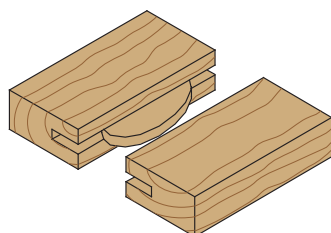
Every bit is submitted to strict quality tests to guarantee perfect cutting tolerance, balance and concentricity. CMT bits allow production on an industrial scale using a variety of plywood, composites and natural woods.

CMT produces 91 types of straight bits in a wide range of diameters so you can find exactly what you want.

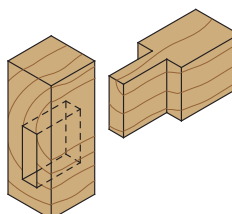
The cutting edge top sharpening on 9mm diameter bits and larger allows for short plunging operations.



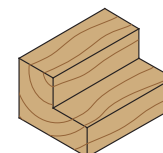
Drawing are 1:1 scale



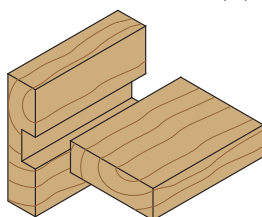
Biscuit joint using bit
#7/8/911.040.11



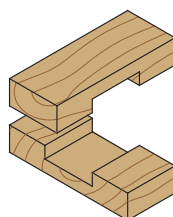
Mortise and tenon



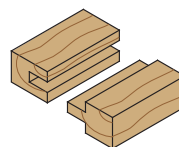
Rabbet



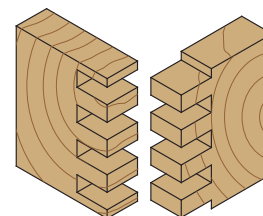
Right-angle joint



Union



Tongue and groove joint



Box joint

Plywood groove set



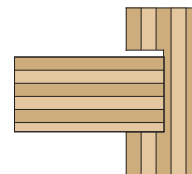
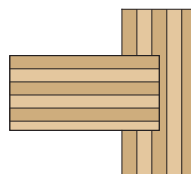
811

HW HWM Z2 RH

Our plywood groove bits are designed specifically for routing grooves and dadoes for joints in plywood. That means they match the true thickness of plywood, producing tight, accurate joints. Use our 18,2mm bit for 19mm plywood, 12,3mm bit for 12,7mm plywood and our 6mm for 6,35mm ply. No gaps or sloppy joints, guaranteed. These money-saving 3-bit sets are available with 12,7mm or 6,35 shanks.

Example shown in 12,7mm thick plywood

This joint is made with the CMT 12,30mm straight bit in 12,7mm plywood. Notice the precise fit - no gaps.



This joint is made with a regular 12,7mm straight bit in 12,7mm plywood. Notice the extra space and ill fitting joint.

DESCRIPTION	ORDER NO. Ø 6,35mm	ORDER NO. Ø 12,7mm
Plywood groove set (Ø6 - Ø12,3 - Ø18,2mm)	811.001.11	811.501.11

Straight bits, short series



D mm	I mm	L mm	ORDER NO. S=Ø6mm	ORDER NO. S=Ø6,35mm	ORDER NO. S=Ø8mm	ORDER NO. S=Ø12mm	ORDER NO. S=Ø12,7mm
• 2*	4	38	711.020.11	811.020.11			
• 3	8	45	711.030.11	811.030.11	911.030.11		
• 3	8	58,3				911.530.11	
• 3,2	9,5	45		811.032.11			
• 4	10	58,3				911.540.11	
• 4	10	45	711.040.11	811.040.11	911.040.11		
• 4,75	12,7	50,8		811.047.11			
• 5	12	50,8	711.050.11	811.050.11	911.050.11		
• 5	12	58,3				911.550.11	
• 6	16	50,8	711.060.11	811.060.11	911.060.11		
• 6	19	60,3					811.560.11
• 6	19	65				911.560.11	
• 6,35	19	50,8		811.064.11			
• 6,35	19	57,2		811.065.11			
• 6,35	19	60,3					811.564.11
• 7	18	48	711.070.11	811.070.11	911.070.11		
• 7	18	65				911.570.11	
• 7,6	20	51			911.076.11		
• 8	20	48	711.080.11	811.080.11	911.080.11		
• 8	25,4	71,5		811.081.11			
• 8	25,4	70					811.581.11
9	20	48	711.090.11		911.090.11		
9,5	19	50,8		811.095.11			
9,5	25,4	63,5		811.096.11			
9,5	25,4	66,7					811.595.11
10	20	48	711.100.11	811.100.11	911.100.11		
10	25,4	63,5					811.600.11
11	20	48	711.110.11		911.110.11		
12	20	50	711.120.11	811.120.11	911.120.11		
12	25,4	63,5				911.620.11	811.620.11
12,3	25,4	57,2		811.123.11			
12,3	25,4	63,5					811.623.11
12,7	19	57,2		811.127.11			
12,7	25,4	66,7					811.627.11
12,7	31,7	82,5					811.628.11
13	20	57	711.130.11		911.130.11		
14	20	50	711.140.11	811.140.11	911.140.11		
14,2	14,2	57,2		811.142.11			
15	20	57,2	711.150.11	811.150.11	911.150.11		
15,8	19	66,7		811.158.11			
15,8	25,4	63,5					811.660.11
16	20	57,2	711.160.11	811.160.11	911.160.11		
16	25,4	63,5					811.661.11
17	20	50	711.170.11				
18	20	50	711.180.11	811.180.11	911.180.11		
18,2	25,4	57,2		811.182.11			
18,2	25,4	63,5					811.682.11
19	20	57,2	711.190.11	811.191.11	911.190.11		
19	25,4	63,5					811.690.11
20	20	50	711.200.11	811.200.11	911.200.11		
22	20	57,2	711.220.11	811.220.11	911.220.11		
24	20	50	711.240.11		911.240.11		
25	20	50	711.250.11		911.250.11		
25,4	19	50,8		811.254.11			
25,4	31,7	76,2					811.754.11
28,5	31,7	76,2					811.785.11

• HWM

* Z1