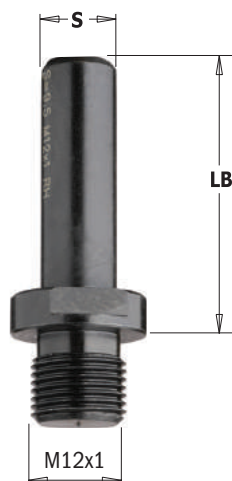


PRODUCTS	PAGE
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Adaptors



509-532-533 ...with parallel shank for interchangeable bits

RH **LH**

S mm	LB mm			PACK QTY.	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
8x30	35			10	532.080.01	
9,5x30	35			10	532.095.01	
10x50	60			1	533.100.01	533.100.02
12x30	35			10	532.120.01	
13x50	100			1	509.130.01	509.130.02
16x50	100			1	509.160.01	509.160.02

For use with the following parts: 501 HW

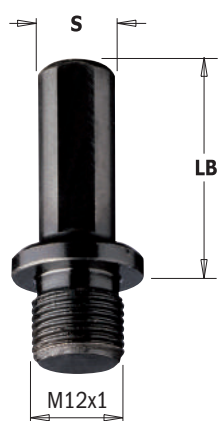
TECHNICAL DETAILS:

- Super strength steel.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:

used on boring machines with adaptor chucks.

Adaptors



511 ...with parallel shank for quick change drills

RH **LH**

S mm	LB mm	PACK QTY.	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
10x20 (with driving flat and screw)	27	10	511.270.01	511.270.02
10x35 (with driving flat and screw)	40	10	511.400.01	511.400.02

For use with the following parts: 501 HW

TECHNICAL DETAILS:

- Super strength steel.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:

used on boring machines with adaptor chucks.

Spare parts



990.003.00

Adaptors



506

RH **LH**

S mm	LB mm			PACK QTY.	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
M10/11x4	15			1	506.150.01	506.150.02
M10/11x4	25			1	506.250.01	506.250.02
M10/11x4	35			1	506.350.01	506.350.02

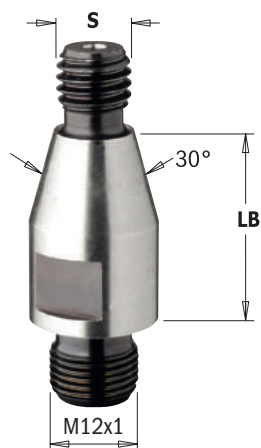
For use with the following parts: 501 HW

TECHNICAL DETAILS:

- Super strength steel.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:

used on boring machines with adaptor chucks.



503

RH LH

S mm	LB mm		PACK QTY.	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
M10/30°	25		1	503.250.01	503.250.02
M10/30°	35		1	503.350.01	503.350.02
M10/30°	45		1	503.450.01	503.450.02

For use with the following parts: 501 HW

TECHNICAL DETAILS:

- Super strength steel.
- Parallel shank with driving flat and adjustable screw length

APPLICATION:

used on boring machines with adaptor chucks.



534

RH

S		PACK QTY.	ORDER NO. Right-hand rotation	
MK2/Ø20x14F.x1"		1	534.020.01	
MK2/M30x1,5		1	534.030.01	

For use with the following parts: 501 HW

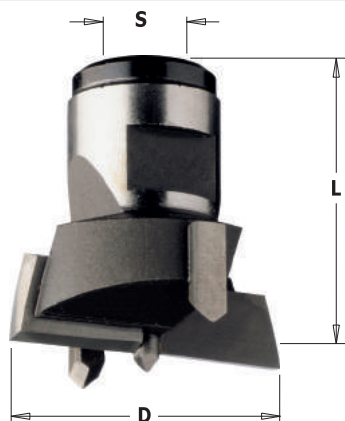
TECHNICAL DETAILS:

- Super strength steel.

APPLICATION:

used on CNC machines or hand-held routers equipped with adaptor chucks.

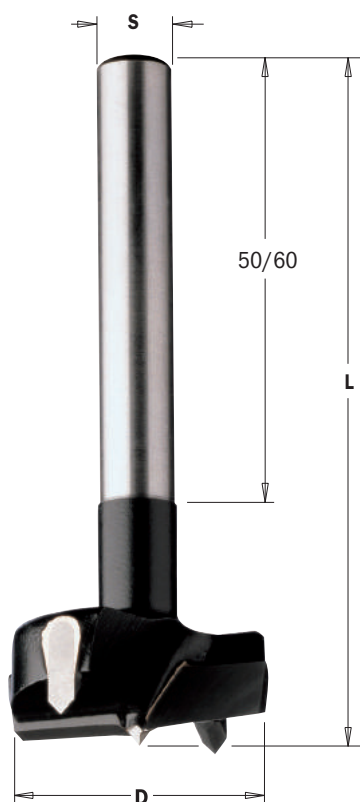
Interchangeable Boring Bits with Threaded Shank



501

HW Z2+2 RH LH

D mm	L mm	S mm		PACK QTY.	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
20	30	M12x1		1	501.200.11	501.200.12
22	30	M12x1		1	501.220.11	501.220.12
24	30	M12x1		1	501.240.11	501.240.12
25	30	M12x1		1	501.250.11	501.250.12
26	30	M12x1		1	501.260.11	501.260.12
30	30	M12x1		1	501.300.11	501.300.12
32	30	M12x1		1	501.320.11	501.320.12
34	30	M12x1		1	501.340.11	501.340.12
35	30	M12x1		1	501.350.11	501.350.12
36	30	M12x1		1	501.360.11	501.360.12
38	30	M12x1		1	501.380.11	501.380.12
40	30	M12x1		1	501.400.11	501.400.12
45	30	M12x1		1	501.450.11	501.450.12
50	30	M12x1		1	501.500.11	501.500.12
55	30	M12x1		1	501.550.11	501.550.12
60	30	M12x1		1	501.600.11	501.600.12



512

D mm	L mm	S mm	PACK Qty.	ORDER NO. Right-hand rotation
14	90	10x60	10	512.140.11
15	90	10x60	10	512.150.11
16	90	10x60	10	512.160.11
17	90	10x60	10	512.170.11
18	90	10x60	10	512.180.11
19	90	10x60	10	512.190.11
20	90	10x60	10	512.200.11
21	90	10x60	10	512.210.11
22	90	10x60	10	512.220.11
23	90	10x60	10	512.230.11
24	90	10x60	10	512.240.11
25	90	10x60	10	512.250.11
26	90	10x60	10	512.260.11
27	90	10x60	10	512.270.11
28	90	10x60	10	512.280.11
29	90	10x60	10	512.290.11
30	90	10x60	10	512.300.11
31	90	10x60	10	512.310.11
32	90	10x60	10	512.320.11
33	90	10x60	10	512.330.11
34	90	10x60	10	512.340.11
35	90	10x60	10	512.350.11
38	90	10x60	10	512.380.11
40	90	10x60	10	512.400.11
42	90	10x60	10	512.420.11
45	90	10x50	10	512.450.11
48	90	10x50	10	512.480.11
50	90	10x50	10	512.500.11
55	90	10x50	5	512.550.11
58	90	10x50	5	512.580.11
60	90	10x50	5	512.600.11

TECHNICAL DETAILS:

- Super strength steel.
- HW precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- Parallel shank.

APPLICATION:

used for drilling blind holes in solid wood, wood composites and plastic laminate materials.

Ideal for hinges.

5-Piece Boring Bit Set for Hinges



512.001.01

The perfect set for hinge work and other related applications.

Machined from special high speed steel with micrograin carbide tips, these bits are available in diameters of 15, 20, 25, 30 and 35mm.

Safely packaged in a solid plastic box with glass front for easy storage and inventory.

TECHNICAL DETAILS:

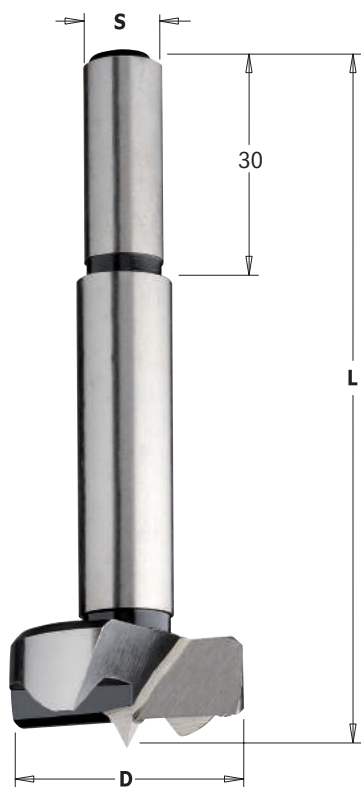
- Super strength steel.
- HW precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- Parallel shank.

APPLICATION:

used for drilling blind holes in solid wood, wood composites and plastic laminated materials.

Ideal for hinges.

DESCRIPTION	S mm	L mm	BIT DIAMETER mm	PACK Qty.	ORDER NO. Right-hand rotation
5-Piece Boring Bit Set for Hinges	10	90	15-20-25-30-35	5	512.001.01



512

SP Z2 V2 RH

D mm	L mm	S mm	PACK Qty.	ORDER NO. Right-hand rotation
8	90	10x30	10	512.081.31
10	90	10x30	10	512.101.31
12	90	10x30	10	512.121.31
14	90	10x30	10	512.141.31
15	90	10x30	10	512.151.31
16	90	10x30	10	512.161.31
18	90	10x30	10	512.181.31
20	90	10x30	10	512.201.31
22	90	10x30	10	512.221.31
24	90	10x30	10	512.241.31
25	90	10x30	10	512.251.31
26	90	10x30	10	512.261.31
28	90	10x30	10	512.281.31
30	90	10x30	10	512.301.31
32	90	10x30	10	512.321.31
34	90	10x30	10	512.341.31
35	90	10x30	10	512.351.31
38	90	10x30	10	512.381.31
40	90	10x30	10	512.401.31
45	90	10x30	10	512.451.31
50	90	10x30	10	512.501.31

TECHNICAL DETAILS:

- SP steel.
- Precision balanced centre point.
- 2 spurs [V2].
- 2 precision ground cutting edges [Z2].
- Long-lasting cutting performance.
- Parallel shank.

APPLICATION:

used for drilling blind holes in softwood.
Ideal for hinges.

5-Piece Boring Bit Set for Hinges



512.001.00

SP Z2 V2 RH

The perfect set for hinge work and other related applications. Machined from special high speed steel, these bits are available in diameters of 15, 20, 25, 30 and 35mm. Precisely ground, sharpened with round shanks and safely packaged in a solid plastic box with glass front for easy storage and inventory.

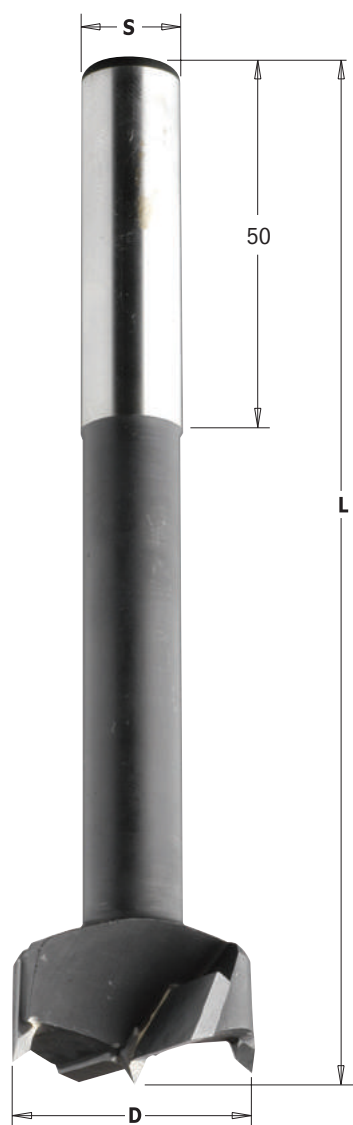
TECHNICAL DETAILS:

- SP steel.
- Precision balanced centre point.
- 2 spurs [V2].
- 2 precision ground cutting edges [Z2].
- Long-lasting cutting performance.

APPLICATION:

used for drilling blind holes in softwood. **Ideal for hinges.**

DESCRIPTION	S mm	L mm	BIT DIAMETER mm	PACK Qty.	ORDER NO. Right-hand rotation
5-Piece Boring Bit Set for Hinges	10	90	15-20-25-30-35	5	512.001.00



513

D mm	L mm	S mm	PACK QTY.	ORDER NO. Right-hand rotation
15	120	13	1	513.150.11
16	120	13	1	513.160.11
18	120	13	1	513.180.11
20	120	13	1	513.200.11
22	125	13	1	513.220.11
25	125	13	1	513.250.11
26	125	13	1	513.260.11
28	130	13	1	513.280.11
30	130	13	1	513.300.11
35	130	13	1	513.350.11
40	130	13	1	513.400.11
45	130	13	1	513.450.11
50	130	13	1	513.500.11
55	140	13	1	513.550.11
60	140	13	1	513.600.11

514

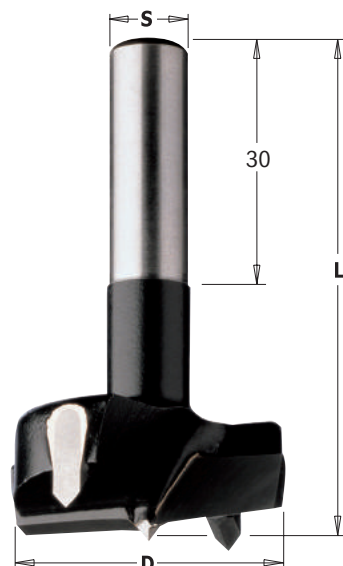
D mm	L mm	S mm	PACK QTY.	ORDER NO. Right-hand rotation
15	120	16	1	514.150.11
16	120	16	1	514.160.11
18	120	16	1	514.180.11
20	120	16	1	514.200.11
22	125	16	1	514.220.11
25	125	16	1	514.250.11
26	125	16	1	514.260.11
28	130	16	1	514.280.11
30	130	16	1	514.300.11
32	130	16	1	514.320.11
35	130	16	1	514.350.11
40	130	16	1	514.400.11
45	130	16	1	514.450.11
50	130	16	1	514.500.11
55	140	16	1	514.550.11
60	140	16	1	514.600.11

TECHNICAL DETAILS:

- Super strength steel.
- HW precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- Parallel shank.

APPLICATION:

used for drilling blind holes in solid wood, wood composites and plastic laminated materials.
Ideal for hinges.



392

HW **Z2** **V2** **RH**

D mm	L mm	S mm	PACK QTY.	ORDER NO. Right-hand rotation
15	60	8	10	392.150.11
20	60	8	10	392.200.11
25	60	8	10	392.250.11
26	60	8	10	392.260.11
30	60	8	10	392.300.11
35	60	8	10	392.350.11
35	60	12,7	10	392.351.11
40	60	8	10	392.400.11

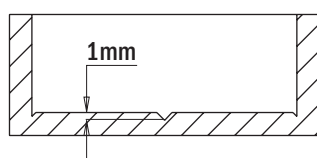
TECHNICAL DETAILS:

- Super strength steel.
- HW precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- Parallel shank.
- Right-hand rotation (RH).

APPLICATION:

for use on drilling machines and hand-held routers in solid wood, wood composites and plastic laminated materials.

Ideal for hinges and blind holes.



New construction with
1mm centre point

Mortise Chisel & Bit Sets



543

HSS **Z1** **RH**

mm	D inches	mm	S inches	PACK QTY.	ORDER NO. Right-hand rotation
6,35	1/4	19	3/4	1	543.064.51
8	5/16	19	3/4	1	543.079.51
9,5	3/8	19	3/4	1	543.095.51
12,7	1/2	19	3/4	1	543.127.51
15,8	5/8	19	3/4	1	543.158.51
19	3/4	19	3/4	1	543.190.51

It's tough to beat the "old faithful" mortise and tenon joint for strength and accuracy, even with all the other joining options in the world of woodworking. It isn't the easiest joint to make, but for sure it helps to have the best quality tools in your shop. That's why we've added a new selection of chisel and bit sets in all the popular sizes 6,35mm (1/4") to 19mm (3/4") diameter.

These sets are for use on any standard drill press mortising attachment of mortising machines.



Sample of Chisel Mortiser



529

d mm	D mm	L mm	S mm	Z	PACK QTY.	ORDER NO. Right-hand rotation
8	18	140	13	4	5	529.080.31
10	20	140	13	4	5	529.100.31
12	24	140	13	4	5	529.120.31
14	26	140	13	4	5	529.140.31
15	27	140	13	4	5	529.150.31
16	28	140	13	4	5	529.160.31
18	30	140	13	4	5	529.180.31
20	32	140	13	4	5	529.200.31
22	34	140	13	5	5	529.220.31
25	37	140	13	5	5	529.250.31
30	42	140	13	5	5	529.300.31
32	44	140	13	5	5	529.320.31
35	47	160	16	6	2	529.350.31
40	52	160	16	6	2	529.400.31
45	57	160	16	6	2	529.450.31
50	62	160	16	6	2	529.500.31

d inches	D inches	L inches	S inches	Z	PACK QTY.	ORDER NO. Right-hand rotation
3/8	49/64	5-1/2	1/2	4	5	529.095.31
1/2	61/64	5-1/2	1/2	4	5	529.127.31
5/8	1-7/64	5-1/2	1/2	4	5	529.158.31
3/4	1-7/32	5-1/2	1/2	4	5	529.191.31
7/8	1-11/32	5-1/2	1/2	4	5	529.222.31
1	1-15/32	5-1/2	1/2	5	5	529.254.31
1-1/4	1-19/32	5-1/2	1/2	5	5	529.317.31
1-3/8	1-27/32	6-5/16	5/8	6	2	529.349.31
1-1/2	1-31/32	6-5/16	5/8	6	2	529.381.31
1-5/8	2-3/32	6-5/16	5/8	6	2	529.413.31
1-3/4	2-7/32	6-5/16	5/8	6	2	529.445.31
2	2-15/32	6-5/16	5/8	6	2	529.508.31

Use our D=16mm bushing to increase the 13mm shank (order no. 799.130.00 on page 379)

TECHNICAL DETAILS:

- SP steel.
- Long lasting cutter performance.

APPLICATION:

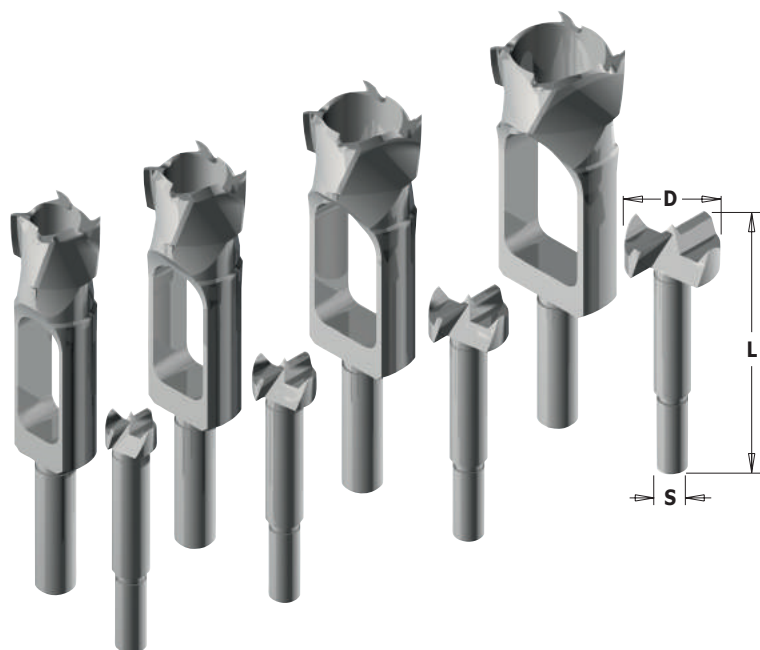
used to make plugs in hard and soft woods.

D mm	D inches	Max RPM Softwood	Max RPM Hardwood
< Ø16	5/8	1000	500
< Ø40	1-37/64	500	300
> Ø40	1-37/64	200	150

500.001/02/03

SP RH

We offer a wide range of boring bits and plug cutters in the most popular diameters. If you need to bore or to make plugs in softwood these sets are exactly what you need!



500.001.08 Boring Bit & Plug Cutter Set

SET CONTAINS	D mm	L mm	S mm	ORDER NO. Right-hand rotation
Boring Bit with Parallel Shank	8	90	10	512.081.31
Boring Bit with Parallel Shank	10	90	10	512.101.31
Boring Bit with Parallel Shank	12	90	10	512.121.31
Boring Bit with Parallel Shank	15	90	10	512.151.31
Plug Cutter	8	140	13	529.080.31
Plug Cutter	10	140	13	529.100.31
Plug Cutter	12	140	13	529.120.31
Plug Cutter	15	140	13	529.150.31

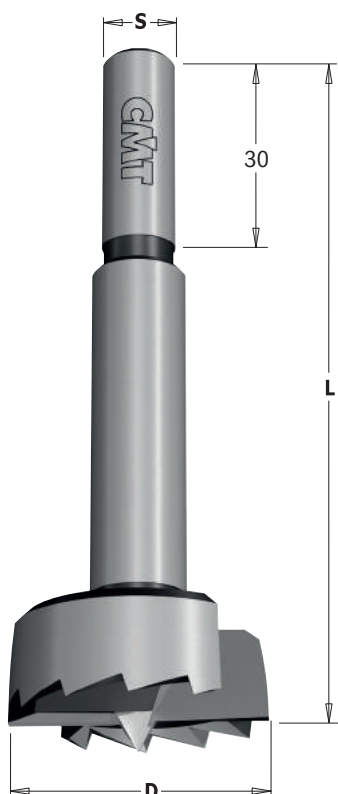
500.002.08 Boring Bit & Plug Cutter Set

SET CONTAINS	D mm	L mm	S mm	ORDER NO. Right-hand rotation
Boring Bit with Parallel Shank	16	90	10	512.161.31
Boring Bit with Parallel Shank	20	90	10	512.201.31
Boring Bit with Parallel Shank	25	90	10	512.251.31
Boring Bit with Parallel Shank	30	90	10	512.301.31
Plug Cutter	16	140	13	529.160.31
Plug Cutter	20	140	13	529.200.31
Plug Cutter	25	140	13	529.250.31
Plug Cutter	30	140	13	529.300.31

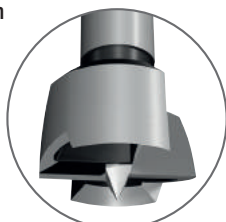
500.003.08 Boring Bit & Plug Cutter Set

SET CONTAINS	D mm	L mm	S mm	ORDER NO. Right-hand rotation
Boring Bit with Parallel Shank	15	90	10	512.151.31
Boring Bit with Parallel Shank	20	90	10	512.201.31
Boring Bit with Parallel Shank	25	90	10	512.251.31
Boring Bit with Parallel Shank	30	90	10	512.301.31
Plug Cutter	15	140	13	529.150.31
Plug Cutter	20	140	13	529.200.31
Plug Cutter	25	140	13	529.250.31
Plug Cutter	30	140	13	529.300.31

SP Z2 V2 RH



toothed rim $\geq \varnothing 25\text{mm}$



standard rim $< \varnothing 25\text{mm}$

537

D mm	L mm	S mm	PACK QTY.	ORDER NO. Right-hand rotation
10	90	8	10	537.100.31
12	90	8	10	537.120.31
14	90	8	10	537.140.31
15	90	8	10	537.150.31
16	90	8	10	537.160.31
18	90	8	10	537.180.31
20	90	8	10	537.200.31
22	90	8	10	537.220.31
24	90	8	10	537.240.31
25	90	8	10	537.250.31
26	90	8	10	537.260.31
28	90	8	10	537.280.31
30	90	8	10	537.300.31
32	90	10	10	537.320.31
35	90	10	10	537.350.31
38	90	10	10	537.380.31
40	90	10	10	537.400.31
45	90	10	10	537.450.31
50	90	10	10	537.500.31
55	90	10	5	537.550.31
68	157	12,7	5	537.680.31

D inches	L inches	S inches	PACK QTY.	ORDER NO. Right-hand rotation
1/4	3-35/64	3/8	10	537.064.31
3/8	3-35/64	3/8	10	537.095.31
1/2	3-35/64	3/8	10	537.127.31
5/8	3-35/64	3/8	10	537.158.31
3/4	3-35/64	3/8	10	537.190.31
7/8	3-35/64	3/8	10	537.222.31
1	3-35/64	3/8	10	537.254.31
1-1/8	3-35/64	3/8	10	537.285.31
1-1/4	3-35/64	3/8	10	537.317.31
1-3/8	3-35/64	3/8	10	537.349.31
1-1/2	3-35/64	3/8	10	537.381.31
1-5/8	3-35/64	3/8	10	537.413.31
1-3/4	3-35/64	3/8	10	537.445.31
1-7/8	3-35/64	3/8	10	537.476.31
2	3-35/64	3/8	10	537.508.31
2-1/8	3-35/64	3/8	5	537.540.31

STANDARD RIM AND TOOTHED RIM:

Standard rims provide better guidance but tend to overheat.

To overcome heat the larger diameters ($\geq \varnothing 25\text{mm}$) are designed with toothed rims.

TECHNICAL DETAILS:

- Super strength SP steel.
- Precision balanced centre point.
- 2 spurs [V2].
- 2 precision ground cutting edges [Z2].
- Long-lasting cutting performance.

APPLICATION:

used to drill precise flat bottom holes with no chipping in any softwood thickness.

Forstner Bit Sets

We offer a wide range of Forstner bits in the most popular diameters. These bits are available separately or in beautiful wooden sets. The high performance stagger tooth design on the bits with larger diameters allows for sharp holes with straight sides and flat bottoms. Bits available for drill presses, electric and cordless drills. Suitable for working on any type of softwood.

537.000.04
537.000.05
537.000.07
537.000.12



537.000.16

SP Z2 V2 RH



DESCRIPTION	SHANK	BIT DIAMETER	PACK QTY.	ORDER NO. Right-hand rotation
5 pcs. Router Bit Set in clamshell	$\varnothing 8-10\text{mm}$	$\varnothing 15-20-25-30-35\text{mm}$	5	537.000.05
12 pcs. Router Bit Set in clamshell	$\varnothing 8-10\text{mm}$	$\varnothing 10-12-14-15-16-18-20-22-25-26-30-35\text{mm}$	6	537.000.12
4 pcs. Router Bit Set in clamshell	$\varnothing 3/8"$	$\varnothing 1/4" - 1/2" - 3/4" - 1"$	5	537.000.04
7 pcs. Router Bit Set in clamshell	$\varnothing 3/8"$	$\varnothing 1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1"$	6	537.000.07
16 pcs. Router Bit Set in plastic box	$\varnothing 3/8"$	$\varnothing 1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1" - 1-1/8" - 1-1/4" - 1-3/8" - 1-1/2" - 1-5/8" - 1-3/4" - 1-7/8" - 2" - 2-1/8"$	8	537.000.16



531

HW **Z2** **RH**

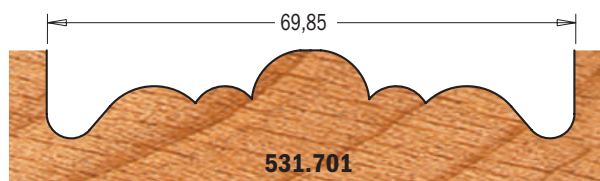
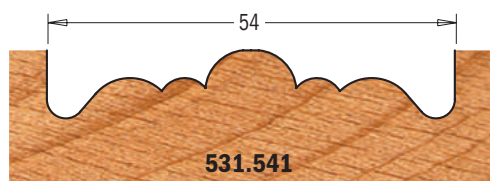
D mm	L mm	S mm	Max RPM	PACK QTY.	ORDER NO. Right-hand rotation
54	73,5	9,5	1500	10	531.541
54	71,3	9,5	1500	10	531.542
54	67,3	9,5	1500	10	531.543
54	72,3	9,5	1500	10	531.544
70	76,5	9,5	1000	5	531.701
70	74	9,5	1000	5	531.702

TECHNICAL DETAILS:

- Super strength steel.
- 2 HW precision ground cutting edges [Z2].
- Parallel exagonal shank.
- Right-hand rotation (RH).

APPLICATION:

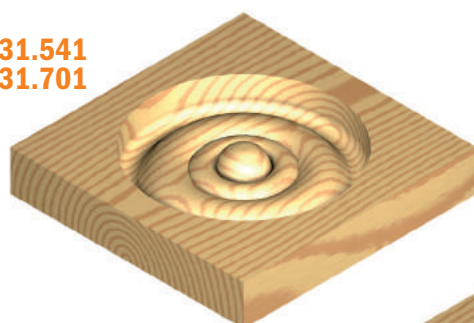
to be used on drill presses and drilling power tools at low RPMs (see table). We recommend clamping your workpiece mechanically during boring operations.



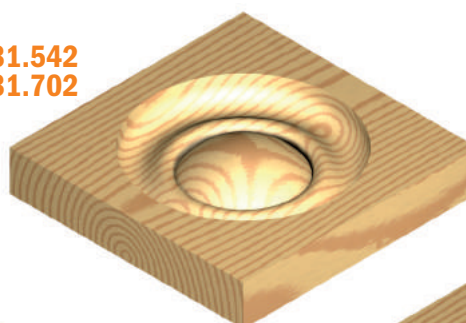
Drawings are 1:1 scale



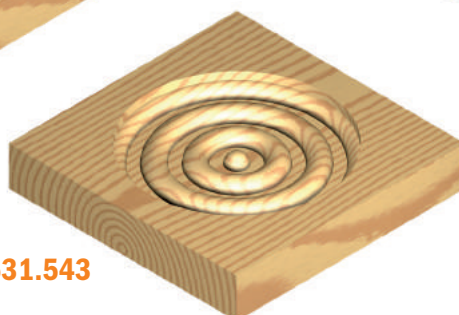
531.541
531.701



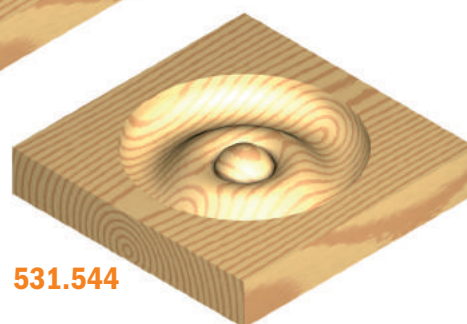
531.542
531.702



531.543

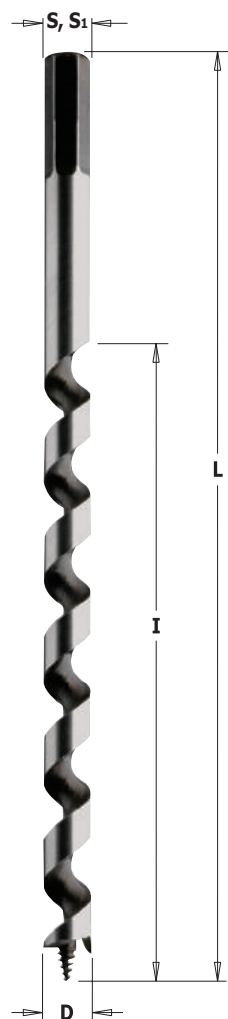


531.544



HSS Z1 V1 RH

542-535



D mm	I mm	L mm	S	S1 mm	RPM max	PACK QTY.	ORDER NO. Right-hand rotation
6	155	230	Hexagonal	6	800 ~ 1400	1	542.060.51
8	155	230	Hexagonal	6,35	800 ~ 1400	1	542.080.51
10	155	230	Hexagonal	9	600 ~ 1200	1	542.100.51
12	155	230	Hexagonal	12	600 ~ 1100	1	542.120.51
14	155	230	Hexagonal	12	600 ~ 1000	1	542.140.51
16	155	230	Hexagonal	12	500 ~ 900	1	542.160.51
18	155	230	Hexagonal	12	500 ~ 800	1	542.180.51
20	155	230	Hexagonal	12	400 ~ 700	1	542.200.51
8	360	460	Hexagonal	6,55	800 ~ 1000	1	535.080.51
10	360	460	Hexagonal	9	600 ~ 1000	1	535.100.51
12	360	460	Hexagonal	12	600 ~ 1000	1	535.120.51
14	360	460	Hexagonal	12	500 ~ 900	1	535.140.51
16	360	460	Hexagonal	12	500 ~ 900	1	535.160.51
18	360	460	Hexagonal	12	450 ~ 800	1	535.180.51
20	360	460	Hexagonal	12	400 ~ 700	1	535.200.51

TECHNICAL DETAILS:

- Super strength HSS steel.
- Precision balanced centre point.
- 1 precision ground cutting edge [Z1].
- 1 spiral flute.
- 1 spur [V1].
- Long-lasting cutting performance.

APPLICATION:

used for drilling deep holes in soft and hardwood.

Brad Point Bits

540

HW Z2 V2 RH



D mm	L mm	S mm	PACK QTY.	ORDER NO. Right-hand rotation
5	90	8x30	1	540.050.11
6	90	8x30	1	540.060.11
8	90	8x30	1	540.080.11
10	90	8x30	1	540.100.11
12	90	8x30	1	540.120.11

TECHNICAL DETAILS:

- Super strength steel.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 negatively ground spurs [V2].
- 2 spiral flutes

APPLICATION:

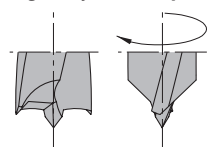
for use on hand-held router to drill blind holes in solid wood, wood composites or plastic laminates.

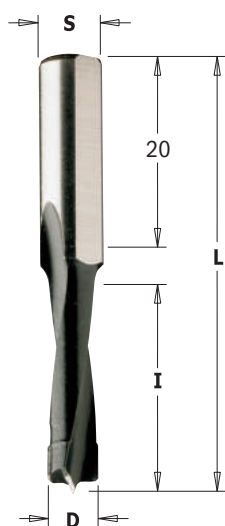
541 Stop Collars

D mm	PACK QTY.	ORDER NO.	Spare parts	
5	10	541.050.00		
6	10	541.060.00	990.002.00	991.062.00
8	10	541.080.00	990.002.00	991.062.00
10	10	541.100.00	990.002.00	991.062.00
12	10	541.120.00	990.002.00	991.062.00

Stop collars with precision clamping nut and key for quick and easy assembly.

Negatively Ground Spurs




312


D mm	I mm	L mm	S mm	PACK Qty.	ORDER NO. Right-hand rotation
4	30	58	8	10	312.040.11
5	30	58	8	10	312.050.11
6	30	58	8	10	312.060.11
8	30	58	8	10	312.080.11
10	30	58	8	10	312.100.11
12	30	58	8	10	312.120.11
14	30	58	8	10	312.140.11
16	30	58	8	10	312.160.11

These drill bits are made with high-strength steel in order to work with high speed rotation.

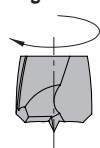
They are perfect for boring all materials like solid wood, wood and composites, plastic and laminated with **hand-held routers and MAFELL® machine model DD40.**

Spare parts


990.003.00

Optional


990.088.00

Sharpening with chamfer

TECHNICAL DETAILS:

- Super strength steel.
- Spiral portion coated with black P.T.F.E.
- HW precision balanced centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

Router Bits for Domino® Joining Machines by Festool®


380


D mm	I mm	L mm	S mm	FESTOOL®	PACK Qty.	ORDER NO. Right-hand rotation
• 4	11	38	M6x0,75	DF500	10	380.040.11
5	20	49	M6x0,75	DF500	10	380.050.11
6	28	49	M6x0,75	DF500	10	380.060.11
8	28	49	M6x0,75	DF500	10	380.080.11
10	28	49	M6x0,75	DF500	10	380.100.11
8	50	90	M8x1	DF700	10	380.081.11
10	70	90	M8x1	DF700	10	380.101.11
12	70	90	M8x1	DF700	10	380.121.11
14	70	90	M8x1	DF700	10	380.141.11

• HWM
TECHNICAL DETAILS:

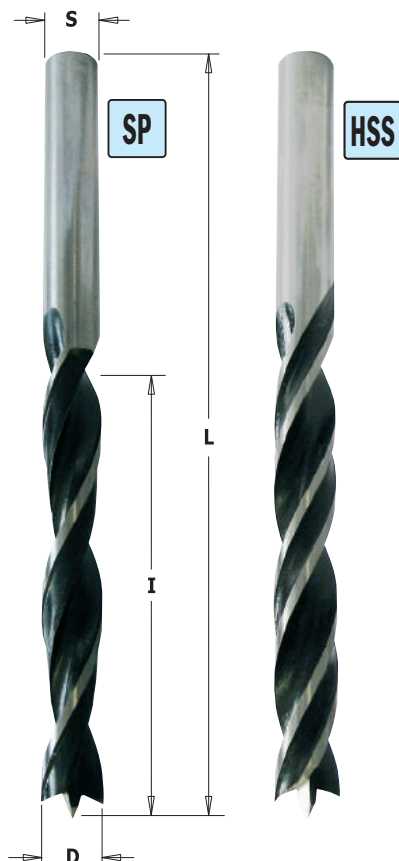
- Premium quality super-strength steel.
- Spiral portion coating with black P.T.F.E.
- Extra-fine micrograin carbide spiral portion.
- 2 cutting edges [Z2].
- 2 spiral flutes.

APPLICATION:

for use on "Domino®" machines to rout slots on solid wood and wood composites.



SP HSS Z2 RH



517

D mm	I mm	L mm	S mm	PACK QTY.	ORDER NO. Right-hand rotation	ORDER NO. Right-hand rotation
3	33	61	3	1	517.030.31	517.030.51
4	43	75	4	1	517.040.31	517.040.51
5	52	86	5	1	517.050.31	517.050.51
6	57	93	6	1	517.060.31	517.060.51
7	69	109	7	1	517.070.31	517.070.51
8	75	117	8	1	517.080.31	517.080.51
9	80	120	9	1	517.090.31	517.090.51
10	80	120	10	1	517.100.31	517.100.51
11	89	142	8	1	517.110.31	517.110.51
12	96	151	8	1	517.120.31	517.120.51
13	96	151	8	1	517.130.31	517.130.51
14	96	151	10	1	517.140.31	517.140.51
15	100	160	10	1	517.150.31	517.150.51
16	100	160	10	1	517.160.31	517.160.51
18	130	180	10	1	517.180.31	
20	135	200	10	1	517.200.31	

SP

TECHNICAL DETAILS:

- Super strength SP steel.
- Precision balanced center point.
- 2 precision ground cutting edges [Z2].
- 2 flutes.

APPLICATION:

used for drilling holes in softwood.

HSS

TECHNICAL DETAILS:

- Super strength HSS steel.
- Precision balanced center point.
- 2 precision ground cutting edges [Z2].
- 4 flutes.

APPLICATION:

used for drilling holes in soft and hardwood.

Long-lasting cutting performance.

Brad Point Bit Sets

HSS SP Z2 RH



517

5-Piece Brad Point Bit Set

An economical collection of the five most popular sized brad points - 4, 5, 6, 8 and 10mm.

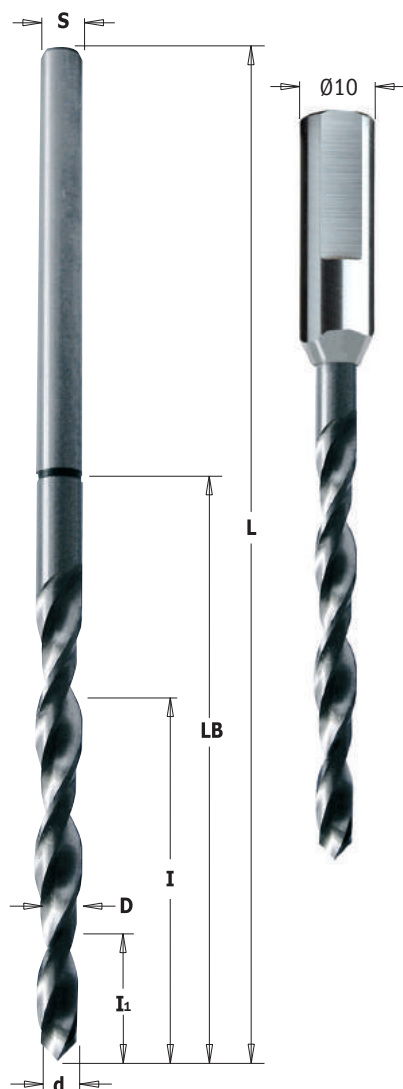
Safely packaged in a reusable plastic case for easy storage and access.

8-Piece Brad Point Bit Set

A complete collection of the most popular brad points in the most requested sizes - 3, 4, 5, 6, 7, 8, 9 and 10mm.

Safely packaged in a reusable plastic case for easy storage and access.

DESCRIPTION	Z	BIT DIAMETER	PACK QTY.	ORDER NO. Right-hand rotation
5-Pcs. HSS Brad Point Set	4 flutes	(Ø4-5-6-8-10mm)	50	517.001.01
5-Pcs. SP Brad Point Set	2 flutes	(Ø4-5-6-8-10mm)	50	517.001.00
8-Pcs. HSS Brad Point Set	4 flutes	(Ø3-4-5-6-7-8-9-10mm)	30	517.002.01
8-Pcs. SP Brad Point Set	2 flutes	(Ø3-4-5-6-7-8-9-10mm)	30	517.002.00



515

HSS Z2 RH

ANUBA no.	d mm	D-S mm	I ₁ mm	I mm	LB mm	L mm	PACK QTY.	ORDER NO. Right-hand rotation
9,5	3,8	5,2	18	56	74	132	1	515.095.51
11	4,8	5,7	17	60	76	145	1	515.110.51
13	5,8	6,7	18	68	83	155	1	515.130.51
14,5	6,3	7,2	19	75	89	165	1	515.145.51
16	6,7	7,7	25	85	100	165	1	515.160.51
18	7,7	8,7	25	85	102	165	1	515.180.51
20	8,8	9,8	25	90	104	165	1	515.200.51

Parallel Shank with Driving Flat

ANUBA no.	d mm	D mm	I mm	LB mm	S mm	L mm	PACK QTY.	ORDER NO. Right-hand rotation
9	3,8	5	20	40	10x35	75	1	515.091.51
11	4,2	5,7	20	45	10x35	80	1	515.111.51
13	5,2	6,5	15	50	10x35	85	1	515.131.51
14	5,5	7	15	55	10x35	90	1	515.141.51
16	6	7,7	15	60	10x35	95	1	515.161.51
18	6,6	8,2	20	70	10x35	105	1	515.181.51
20	7,2	8,7	20	80	10x35	115	1	515.201.51

TECHNICAL DETAILS:

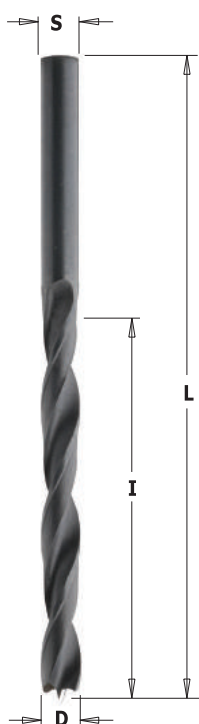
- Super strength steel.
- HSS steel.
- 2 HSS precision ground cutting edges [Z2].
- 2 spiral flutes.

APPLICATION:

used for drilling blind holes in soft and hardwood.



Brad Point Bits



516

HSS Z2 RH LH

D mm	I mm	L mm	S mm	PACK QTY.	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
2	24	49	2	10	516.020.51	516.020.52
2,5	30	57	2,5	10	516.025.51	516.025.52
3	33	61	3	10	516.030.51	516.030.52
3,5	39	70	3,5	10	516.035.51	516.035.52
4	43	75	4	10	516.040.51	516.040.52
4,5	47	80	4,5	10	516.045.51	516.045.52
5	52	86	5	10	516.050.51	516.050.52
5,5	57	93	5,5	10	516.055.51	516.055.52
6	57	93	6	10	516.060.51	516.060.52
7	69	109	7	10	516.070.51	516.070.52
8	75	117	8	10	516.080.51	516.080.52
9	81	125	9	10	516.090.51	516.090.52
10	87	133	10	10	516.100.51	516.100.52

TECHNICAL DETAILS:

- Super strength steel.
- Precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 spiral flutes.
- Common shank and cutting diameter (S=D).

APPLICATION:

used for drilling holes in soft and hardwood.

45° Countersink with Parallel Shank

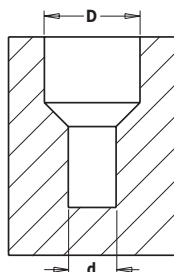


521



d mm	D mm	D ₂ mm	A	S mm	PACK QTY.	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	Spare parts
3	12	10	45°	8	10	521.312.11	521.312.12	990.014.00
4	12	10	45°	8	10	521.412.11	521.412.12	990.014.00
5	16	14	45°	10	10	521.516.11	521.516.12	990.014.00
6	16	14	45°	10	10	521.616.11	521.616.12	990.014.00

Spare parts 991.060.00 2mm hex key



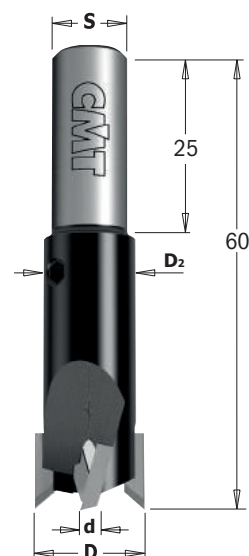
TECHNICAL DETAILS:

- Super strength steel.
- 2 HW precision ground cutting edges [Z2].

APPLICATION:

for use with spiral bits featuring parallel shank.

90° Countersink with Parallel Shank

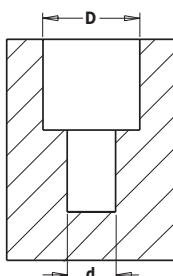


515



d mm	D mm	D ₂ mm	A	S mm	PACK QTY.	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	Spare parts
4	12	10	90°	10	10	515.412.11		990.014.00
4	14	12	90°	10	10	515.414.11		990.014.00
5	15	14	90°	10	10	515.515.11		990.014.00
6	14	12	90°	10	10	515.614.11		990.014.00
6	15	14	90°	10	10	515.615.11		990.014.00

Spare parts 991.060.00 2mm hex key



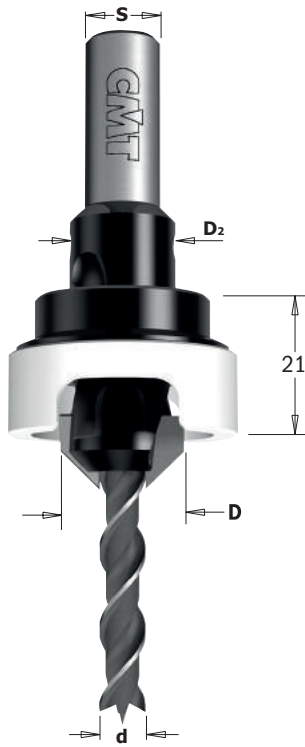
TECHNICAL DETAILS:

- Super strength steel.
- 2 HW precision ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].

APPLICATION:

for use with spiral bits featuring parallel shank.

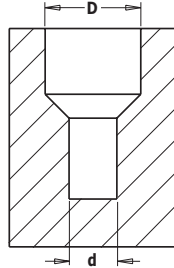
Drill Bits with 45° Countersink Set



521A

d mm	D mm	D ₂ mm	A	S mm	PACK QTY.	ORDER NO. Right-hand rotation
3	12	10	45°	8	10	521.312.11A
4	12	10	45°	8	10	521.412.11A
5	16	14	45°	10	10	521.516.11A
6	16	14	45°	10	10	521.616.11A

Spare parts
 990.014.00 Screw
 991.060.00 Hex key



TECHNICAL DETAILS:

- Super strength steel.
- Countersink: 2 HW precision ground cutting edges [Z2].

APPLICATION:

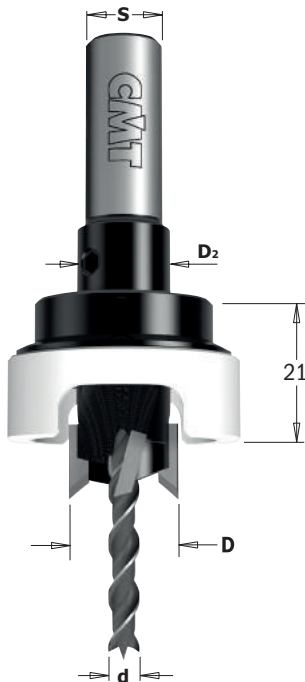
used for drilling holes in soft, hardwood and wood composites.

Stop collars with precision clamping nut for quick and easy assembly.
 The Delrin® protection sleeve lets you work without leaving marks on the workpiece.

Spare parts

HW	Z2	RH
521.312.11	517.030.51	541.101.00
521.412.11	517.040.51	541.101.00
521.516.11	517.050.51	541.141.00
521.616.11	517.060.51	541.141.00

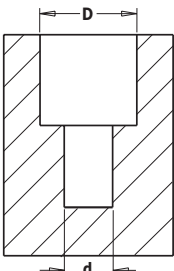
Drill Bits with 90° Countersink Set



515A

d mm	D mm	D ₂ mm	S mm	PACK QTY.	ORDER NO. Right-hand rotation
4	12	10	10	10	515.412.11A
4	14	12	10	10	515.414.11A
5	15	14	10	10	515.515.11A
6	14	12	10	10	515.614.11A
6	15	14	10	10	515.615.11A

Spare parts
 990.014.00 Screw
 991.060.00 Hex key



TECHNICAL DETAILS:

- Super strength steel.
- Countersink: 2 HW precision ground cutting edges [Z2].
- Countersink: 2 HW negatively ground spurs [V2].

APPLICATION:

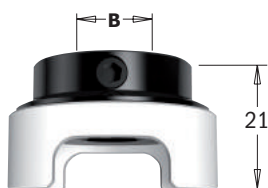
used for drilling holes in soft, hardwood and wood composites.

Stop collars with precision clamping nut for quick and easy assembly.
 The Delrin® protection sleeve lets you work without leaving marks on the workpiece.

Spare parts

HW	Z2	V2	RH
515.412.11	517.040.51	541.101.00	
515.414.11	517.040.51	541.121.00	
515.515.11	517.050.51	541.141.00	
515.614.11	517.060.51	541.121.00	
515.615.11	517.060.51	541.141.00	

Stop Collars with Delrin® Sleeve

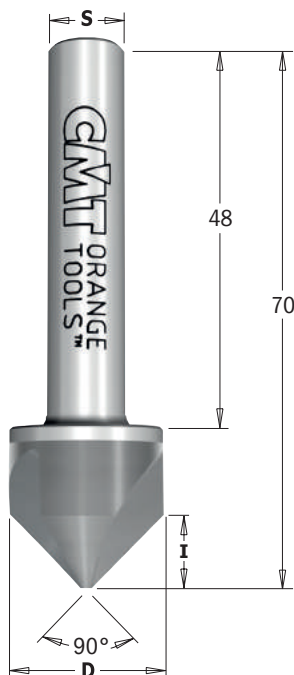


541

B mm	PACK QTY.	ORDER NO.	Spare parts
10	1	541.101.00	990.014.00 991.060.00
12	1	541.121.00	990.014.00 991.060.00
14	1	541.141.00	990.014.00 991.060.00

Stop collars with precision clamping nut for quick and easy assembly.
 The Delrin® protection sleeve lets you work without leaving marks on the workpiece.

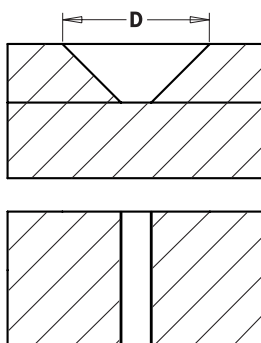
90° Countersink with Parallel Shank



521

HWM Z3 RH

D mm	I mm	L mm	S mm	PACK QTY.	ORDER NO. Right-hand rotation
19,5	9	70	10x48	10	521.002.11

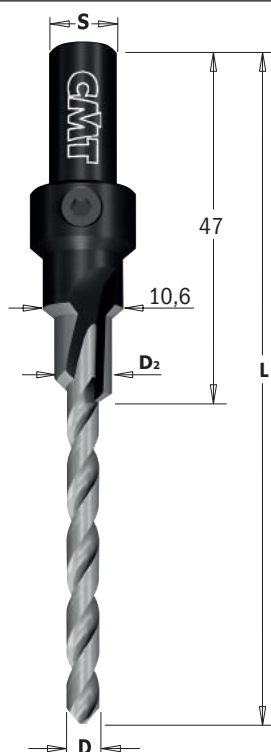


For drilling use bits
serie **516** or **517**

TECHNICAL DETAILS:

- For making 90° countersunk blind holes accepting flat-head fasteners that sit flush with the surface.
- 3 wear-resistant precision ground cutting edges providing a smooth finish on hardened materials.
- Solid carbide tool that is harder than cobalt steel, providing a longer tool life at higher speeds.
- Parallel shank to accommodate most drill chucks.
- Suitable for wood, wood-based, non-ferrous materials and metal.

Drill Bit with Countersink for Screw Joints



515

SP Z1 RH

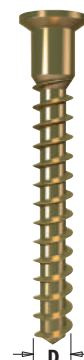
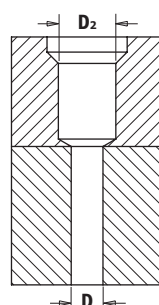
D mm	D ₂ mm	L mm	S mm	PACK QTY.	ORDER NO. Right-hand rotation
4,2	7,6	87	9	1	515.042.31
5	7,6	93,7	9	1	515.050.31

TECHNICAL DETAILS:

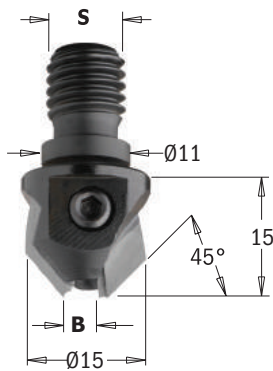
- Super strength steel.
- SP steel.
- 1 SP precision ground cutting edge [Z1].
- 1 spiral flute.

APPLICATION:

used for drilling blind holes in soft and hardwood.



Countersinks with Threaded Shank



350



B mm	S mm		Pack QTY.	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
3	M10/Ø11x4		10	350.030.11	350.030.12
4	M10/Ø11x4		10	350.040.11	350.040.12
5	M10/Ø11x4		10	350.050.11	350.050.12

TECHNICAL DETAILS:

- Super strength steel.
- 2 HW precision ground cutting edges [Z2].
- Quick and easy drill change.

APPLICATION:

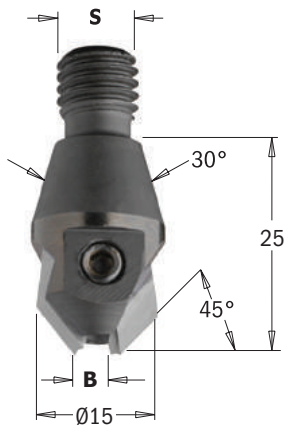
for use with spiral bits featuring parallel shank.

Spare parts



990.001.00

Countersinks with Threaded Shank



351

B mm	S mm		Pack QTY.	ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation
3	M10/30°		10	351.030.11	351.030.12
4	M10/30°		10	351.040.11	351.040.12
5	M10/30°		10	351.050.11	351.050.12

TECHNICAL DETAILS:

- Super strength steel.
- 2 HW precision ground cutting edges [Z2].
- Quick and easy drill change.

APPLICATION:

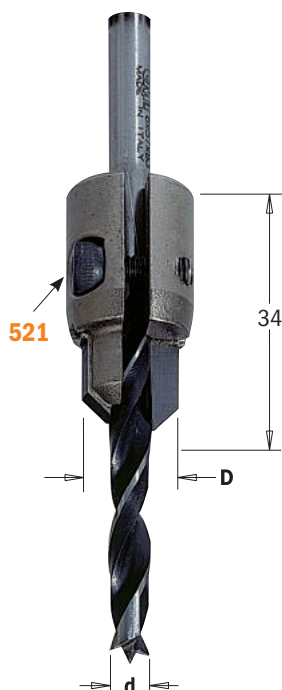
for use with spiral bits featuring parallel shank.

Spare parts



990.001.00

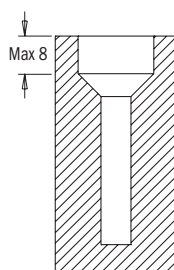
Adjustable Countersink



521.001



d mm	D mm	Pack QTY.	ORDER NO. Right-hand rotation	Spare parts
3 ~ 7	11 ~ 15	10	521.001.11	990.061.00 991.067.00



Twist drills	Overall diameter
Ø3	Ø11
Ø4	Ø12
Ø5	Ø13
Ø6	Ø14
Ø7	Ø15

TECHNICAL DETAILS:

- Premium quality HW.
- 2 HW precision ground cutting edges [Z2].
- Quick and easy drill change.

APPLICATION:

for use with spiral bits featuring parallel shank.

Twist drills not included.