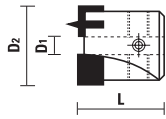


HW FLAT COUNTERSINKS Z=2

ART. R100

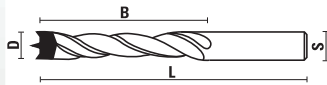


- Use with Art. R101 and with T.C.T. dowel drills Art. L103 - L104 - L109 - L110 and with all dowel drills with 4 flutes

RH rotation	LH rotation	D1	D2	L
R100.050.R	R100.050.L	5	16	20
R100.060.R	R100.060.L	6	16	20
R100.061.R	R100.061.L	6	20	20
R100.070.R	R100.070.L	7	20	20
R100.080.R	R100.080.L	8	16	20
R100.081.R	R100.081.L	8	19	20
R100.082.R	R100.082.L	8	20	20
R100.090.R	R100.090.L	9	19	20
R100.091.R	R100.091.L	9	20	20
R100.100.R	R100.100.L	10	20	20
R100.101.R	R100.101.L	10	25	20
R100.102.R	R100.102.L	10	30	20
R100.120.R	R100.120.L	12	25	20
R100.121.R	R100.121.L	12	30	20

HW SPIRAL BITS Z=2

ART. R101



- 4-flutes
- Use rings Art. Z003 page 10.03

RH rotation	D	B	L
R101.050.R	5	50	85
R101.060.R	6	55	90
R101.070.R	7	65	105
R101.080.R	8	75	115
R101.090.R	9	80	125
R101.100.R	10	90	135
R101.120.R	12	100	150

HW COUNTERSINKS Z=2 - 30°

ART. R102



- Use with T.C.T. dowel drills Art. L103 - L104 - L109 - L110 and with all dowel drills with 4 flutes

RH rotation	D1	D2	α
R102.080.R	8	19	30°

HW SPIRAL BITS Z=2

ART. R125

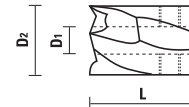


- 4-flutes
- Use rings Art. Z003 page 10.03

RH rotation	D	B	L	S
R125.060.R	6	75	140	13x50
R125.080.R	8	85	150	13x50
R125.100.R	10	95	160	13x50
R125.120.R	12	105	170	13x50
R125.130.R	13	110	175	13x50
R125.140.R	14	115	180	13x50
R125.150.R	15	120	185	13x50
R125.160.R	16	125	190	16x50
R125.180.R	18	130	200	16x50
R125.200.R	20	140	210	16x50

HS COUNTERSINKS Z=2

ART. R200



For Art. R201

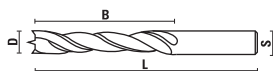
RH rotation	D1	D2	L
R200.040.R	4	10	22
R200.050.R	5	12	22
R200.051.R	5	15	22
R200.060.R	6	15	22
R200.061.R	6	16	22
R200.062.R	6	20	22
R200.080.R	8	16	22
R200.081.R	8	20	22
R200.082.R	8	22	22
R200.083.R	8	25	22
R200.100.R	10	20	22
R200.101.R	10	25	25
R200.102.R	10	30	25
R200.120.R	12	25	25
R200.121.R	12	30	25

R200.910.R Set with 6 countersinks Ø 5/15 - 6/15 - 6/20 - 8/20 - 8/25 - 10/25 + 4 brad point drills Ø 5 - 6 - 8 - 10



HS BRAD POINT DRILLS Z=2

ART. R201



- 4-flutes
- Use rings Art. Z003 page 10.03

RH rotation	D	B	L
R201.060.R	6	55	95
R201.065.R	6,5	65	105
R201.070.R	7	70	110
R201.075.R	7,5	70	115
R201.080.R	8	75	120
R201.090.R	9	80	130
R201.100.R	10	90	140
R201.110.R	11	95	150
R201.120.R	12	100	155

SP BRAD POINT DRILLS Z=2

ART. R205



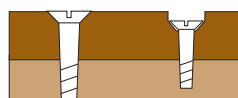
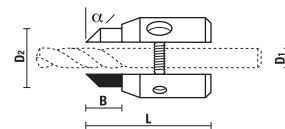
2-flutes

RH rotation	D	B	L	S
R205.030.R	3	33	60	3
R205.040.R	4	43	75	4
R205.050.R	5	52	85	5
R205.060.R	6	57	93	6
R205.070.R	7	69	109	7
R205.080.R	8	75	117	8
R205.090.R	9	81	125	9
R205.100.R	10	87	133	10
R205.111.R	11	94	150	10
R205.120.R	12	101	155	10
R205.130.R	13	101	155	10
R205.140.R	14	108	170	10
R205.150.R	15	114	170	10
R205.160.R	16	120	180	10
R205.180.R	18	130	200	10
R205.200.R	20	130	200	10
R205.220.R	22	140	210	13
R205.240.R	24	140	215	13
R205.260.R	26	140	215	13
R205.280.R	28	140	220	13
R205.300.R	30	140	220	13

R205.505.R 5 drills set Ø 4 -5 -6 -8 -10
R205.508.R 8 drills set Ø 3 -4 -5 -6 -7 -8 -9 -10

HW ADJUSTABLE COUNTERSINKS Z=2

ART. A199



- Spare key supplied; single packed

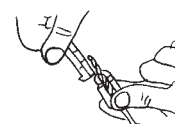
Item	D1	D2	α	B	L
A199.030.R	3/7	11/15	45°	12	32
A199.060.R NEW	6/10	15,5/19,5	45°	12	34



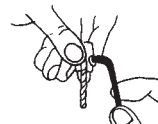
Insert the tool



Adjust the boring depth



Line up the cutting edges of countersink and tool



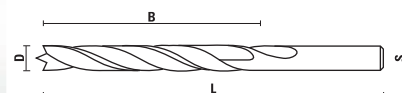
Tighten the screws



On request display free of charge by min order 10 pcs.

SP BRAD POINT DRILLS Z=2

ART. R206

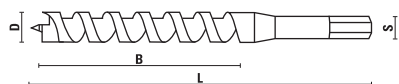


- 2-flutes
- For wall brackets, girders

RH rotation	D	B	L	S
R206.080.R	8	160	245	8
R206.090.R	9	160	245	9
R206.100.R	10	160	245	10
R206.120.R	12	160	245	10
R206.121.R	12	250	400	10
R206.140.R	14	160	245	10
R206.141.R	14	250	400	10
R206.160.R	16	160	245	10
R206.161.R	16	250	400	10
R206.180.R	18	160	245	10
R206.181.R	18	250	400	10
R206.200.R	20	160	245	10
R206.201.R	20	250	400	10

SP SINGLE FLUTE DRILLS "LEWIS" TYPE Z=1

ART. R207



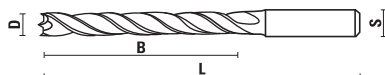
Hex shank



RH rotation	D	B	L	S
R207.080.R	8	220	300	8
R207.100.R	10	220	300	10
R207.120.R	12	220	300	10
R207.140.R	14	220	300	10
R207.150.R	15	220	300	10
R207.160.R	16	220	300	10
R207.180.R	18	220	300	13
R207.200.R	20	220	300	13
R207.220.R	22	220	300	13
R207.240.R	24	220	300	13
R207.250.R	25	220	300	13
R207.260.R	26	220	300	13
R207.280.R	28	220	300	13
R207.300.R	30	220	300	13

HS SPIRAL BITS Z=2

ART. R225

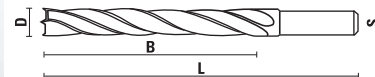


4-flutes

RH rotation	D	B	L	S
R225.060.R	6	75	140	13x50
R225.080.R	8	85	150	13x50
R225.100.R	10	95	160	13x50
R225.120.R	12	105	170	13x50
R225.130.R	13	110	175	13x50
R225.140.R	14	115	180	13x50
R225.160.R	16	125	190	16x50
R225.180.R	18	130	200	16x50
R225.200.R	20	140	210	16x50
R225.220.R	22	150	220	16x50
R225.240.R	24	160	235	16x50
R225.250.R	25	170	250	20x50
R225.300.R	30	190	270	20x50

HS SPIRAL BITS Z=2

ART. R226

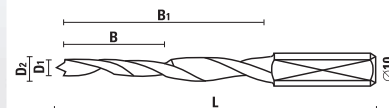


4-flutes

RH rotation	D	B	L	S
R226.110.R	11	100	140	10x30
R226.120.R	12	100	140	10x30
R226.130.R	13	100	140	10x30
R226.140.R	14	100	140	10x30
R226.150.R	15	100	140	10x30
R226.160.R	16	100	140	10x30
R226.180.R	18	100	140	10x30
R226.200.R	20	100	140	10x30

HS STEP DRILLS Z=2

ART. R202



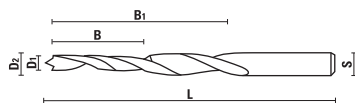
- S=∅10 flat on the shank
- For Masterwood machines

RH rotation	D1	D2	B	B1	L	Anuba
R202.090.R	3,8	5	20	40	75	9
R202.110.R	4,2	5,7	20	45	80	11
R202.130.R	5,2	6,5	15	50	85	13
R202.140.R	5,5	7	15	55	90	14
R202.160.R	6	7,7	15	60	95	16
R202.180.R	6,6	8,2	20	70	105	18
R202.200.R	7,2	8,7	20	80	115	20



HS STEP DRILLS Z=2

ART. R203

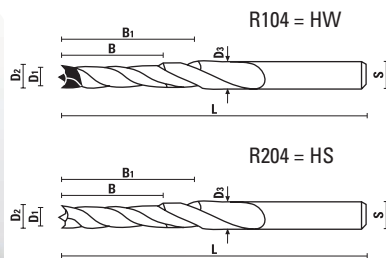


Shank throughout cylindrical

RH rotation	D1	D2	B	B1	L	S	Anuba
R203.130.R	5,4	6,5	20	50	80	6,5	13
R203.131.R	5,7	6,75	20	65	105	6,75	13
R203.140.R	6	7	20	50	80	7	14
R203.141.R	6,25	7,25	25	60	90	7,25	14
R203.142.R	6,25	7,25	20	65	105	7,25	14
R203.160.R	6,5	7,75	25	60	90	7,75	16
R203.161.R	6,5	7,75	20	70	110	7,75	16
R203.180.R	6,7	8,5	25	60	90	8,5	18
R203.181.R	6,7	8,5	25	70	110	8,5	18

HW/HS 3-DIAMETER BITS "CONFIRMAT" Z=2

ART. R104 - R204

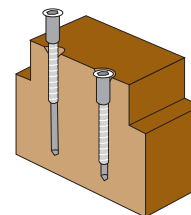
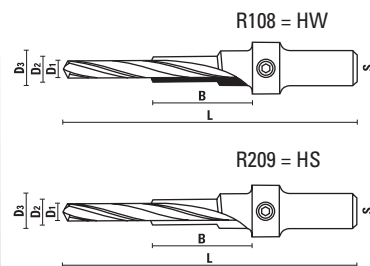


- For "Confirmat" joints
- R104 = HW
- R204 = HS

RH rotation	D1	D2	D3	B	B1	L	Mat.	S
R104.100.R	5,5	7,3	10	35	56	138	HW	10x50
R204.100.R	5,5	7,3	10	35	56	138	HS	10x50
R204.101.R	5,5	7,3	10	40	60	120	HS	10x40

HW/HS 3-DIAMETER DRILLS, ADJUSTABLE Z=2

ART. R108 - R209



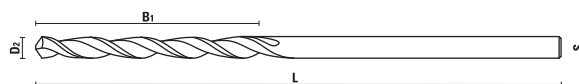
- 3 Steps drill bits
- For mounting joints screws
- HS spare drills
- For mounting connecting screws "Confirmat", "Directa" etc..

RH rotation	D1	D2	D3	B	L	Mat.	S
R108.050.R	5	8,5	11,5	25	100	HW	10
R209.035.R NEW	3,5	5	8	24	90	HS	10
R209.044.R NEW	4,4	6,5	9,5	18	95	HS	10
R209.050.R NEW	5	7	10	26	100	HS	10

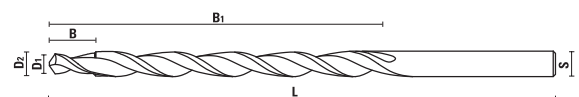
Spare drill bit	D
R108.051.R	5
R209.036.R NEW	3,5
R209.045.R NEW	4,4
R209.051.R NEW	5

HS TWIST DRILLS Z=2

ART. R208



Anuba 9÷11 No step drills



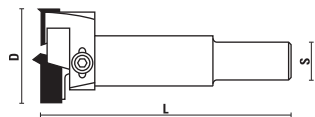
Anuba 13÷22 Step drills

For Anuba SFS INTECK

RH rotation	D1	D2	B1	B	L	S	Anuba
R208.090.R		5,2	52		132	5,2	9
R208.110.R		5,7	57		139	5,7	11
R208.130.R	5,3	6,7	63	12	148	6,7	13
R208.140.R	5,8	7,2	69	13	156	7,2	14
R208.160.R	6,3	7,7	75	14	165	7,7	16
R208.180.R	7,2	8,6	81	14	175	8,6	18
R208.200.R	7,4	8,8	81	16	175	8,8	20
R208.220.R	8,8	10,2	87	23	184	10,2	22

HW ADJUSTABLE DIAMETER BORING BITS 30/60 MM

ART. R110



Complete with 1 knife \varnothing 30÷45 mm + 1 knife \varnothing 45÷60 + key

RH rotation	D	L	S
R110.600.R	30÷60	90	10x30

Spare knife

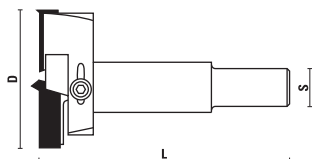
R110.300.R	30÷45
R110.450.R	45÷60



Z051.012.R

HW ADJUSTABLE DIAMETER BORING BITS 60/80 MM

ART. R110



Complete with 1 knife \varnothing 60÷80 + key

RH rotation	D	L	S
R110.800.R	60÷80	100	12x40

Spare knife

R110.801.R	60÷80
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Z051.013.R



HW HINGE BORING BITS Z=2+2

ART. R111



For soft and hard wood, plywood and laminated chipboard



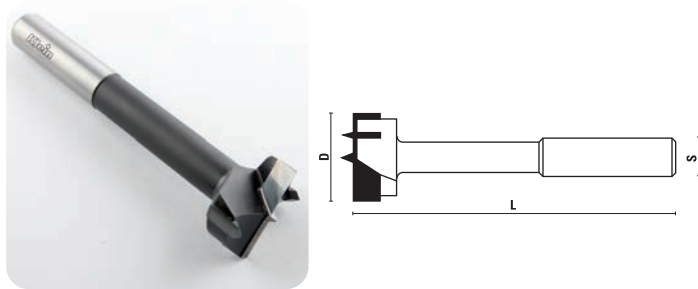
RH rotation	D	L	S
R111.140.R	14	90	10x60
R111.141.R	14	120	10x100
R111.150.R	15	90	10x60
R111.151.R	15	120	10x100
R111.160.R	16	90	10x60
R111.161.R	16	120	10x100
R111.170.R	17	90	10x60
R111.180.R	18	90	10x60
R111.181.R	18	120	10x100
R111.190.R	19	90	10x60
R111.200.R	20	90	10x60
R111.201.R	20	120	10x100
R111.210.R	21	90	10x60
R111.220.R	22	90	10x60
R111.221.R	22	120	10x100
R111.230.R	23	90	10x60
R111.240.R	24	90	10x60
R111.250.R	25	90	10x60
R111.251.R	25	120	10x100
R111.260.R	26	90	10x60
R111.261.R	26	120	10x100
R111.270.R	27	90	10x60
R111.280.R	28	90	10x60
R111.300.R	30	90	10x60
R111.301.R	30	120	10x100
R111.320.R	32	90	10x60
R111.340.R	34	90	10x60
R111.350.R	35	90	10x60
R111.351.R	35	120	10x100
R111.360.R	36	90	10x60
R111.380.R	38	90	10x60
R111.400.R	40	90	10x60
R111.401.R	40	120	10x100
R111.420.R	42	90	10x60
R111.450.R	45	90	10x60
R111.480.R	48	90	10x60
R111.500.R	50	90	10x60
R111.550.R	55	90	10x60
R111.600.R	60	90	10x60

R111.905.R 5 drills set \varnothing 15 -20 -25 -30 -35



HW HINGE BORING BITS Z=2+2

ART. R112

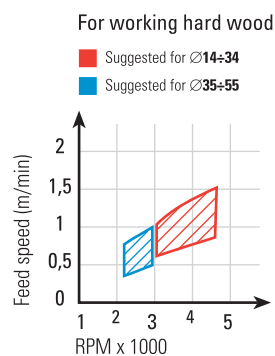


For soft and hard wood, plywood and laminated chipboard

RH rotation	D	L	S
R112.150.R	15	120	13x50
R112.160.R	16	120	13x50
R112.200.R	20	120	13x50
R112.220.R	22	130	13x50
R112.240.R	24	130	13x50
R112.250.R	25	130	13x50
R112.260.R	26	130	13x50
R112.280.R	28	130	13x50
R112.300.R	30	130	13x50
R112.320.R	32	130	16x50
R112.350.R	35	130	16x50
R112.400.R	40	130	16x50
R112.450.R	45	130	16x50
R112.500.R	50	130	16x50
R112.550.R	55	140	16x50
R112.600.R	60	140	16x50
R112.650.R	65	140	16x50
R112.700.R	70	140	16x50
R112.800.R	80	140	20x50
R112.900.R	90	140	20x50

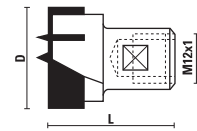
T.C.T. HINGE BORING BITS Z=2+2 (art. R111-R112)

How to determine the feeding speed according to the machine (RPM):



HW INTERCHANGEABLE HINGE BORING BITS Z=2+2

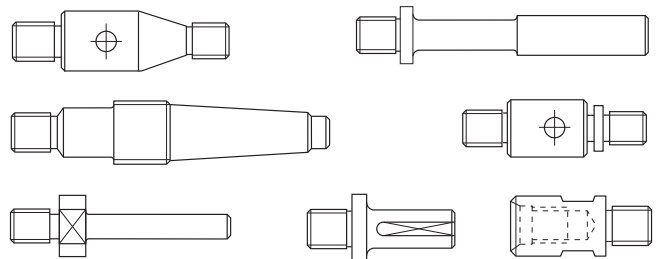
ART. R130



Use with Art. Z021 page 10.04, 10.05

RH rotation	LH rotation	D	L
R130.200.R	R130.200.L	20	30
R130.250.R	R130.250.L	25	30
R130.260.R	R130.260.L	26	30
R130.280.R	R130.280.L	28	30
R130.300.R	R130.300.L	30	30
R130.320.R	R130.320.L	32	30
R130.340.R	R130.340.L	34	30
R130.350.R	R130.350.L	35	30
R130.360.R	R130.360.L	36	30
R130.380.R	R130.380.L	38	30
R130.400.R	R130.400.L	40	30
R130.450.R		45	30
R130.480.R		48	30
R130.500.R		50	30
R130.550.R		55	30
R130.600.R		60	30
R130.650.R		65	30
R130.700.R		70	30

Art. Z021 see section Spare parts page 10.04, 10.05



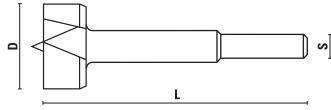
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SP "FORSTNER" BITS Z=2+2

ART. R213



For soft and hard wood

RH rotation	D	L	S
R213.100.R	10	90	8x30
R213.120.R	12	90	8x30
R213.140.R	14	90	8x30
R213.150.R	15	90	8x30
R213.160.R	16	90	8x30
R213.180.R	18	90	8x30
R213.200.R	20	90	8x30
R213.220.R	22	90	8x30
R213.240.R	24	90	8x30
R213.250.R	25	90	8x30
R213.260.R	26	90	8x30
R213.280.R	28	90	8x30
R213.300.R	30	90	8x30
R213.320.R	32	90	10x30
R213.340.R	34	90	10x30
R213.350.R	35	90	10x30
R213.360.R	36	90	10x30
R213.380.R	38	90	10x30
R213.400.R	40	90	10x30
R213.450.R	45	90	10x30
R213.500.R	50	90	10x30

R213.905.R 5 boring bits set Ø 15 - 20 - 25 - 30 - 35

R213.915.R 15 boring bits set Ø 10 - 12 - 15 - 16 - 18 - 20 - 22 - 25 - 26 - 28 - 30 - 35 - 40 - 45 - 50



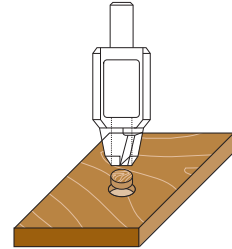
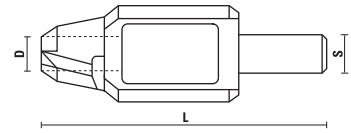
R213.905.R



R213.915.R

SP PLUG CUTTERS

ART. R220

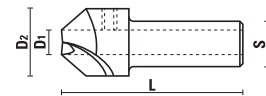


For soft and hard wood

RH rotation	D	L	S	Z
R220.080.R	8	140	13x50	4
R220.100.R	10	140	13x50	4
R220.120.R	12	140	13x50	4
R220.150.R	15	140	13x50	4
R220.200.R	20	140	13x50	4
R220.250.R	25	140	13x50	5
R220.300.R	30	140	13x50	5
R220.350.R	35	140	16x50	6
R220.400.R	40	140	16x50	6

HW/HS COUNTERSINKS Z=2

ART. R150 - R250



RH rotation	LH rotation	D1	D2	L	S	Mat.
R150.030.R	R150.030.L	3	15	40	10x25	HW
R150.040.R	R150.040.L	4	15	40	10x25	HW
R150.050.R	R150.050.L	5	15	40	10x25	HW
R150.060.R	R150.060.L	6	15	40	10x25	HW

R250.030.R	R250.030.L	3	15	40	10x25	HS
R250.040.R	R250.040.L	4	15	40	10x25	HS
R250.050.R	R250.050.L	5	15	40	10x25	HS
R250.060.R	R250.060.L	6	15	40	10x25	HS

ADJUSTABLE COUNTERSINK SET

Thanks to our new solution, it is now possible to adjust drilling depth and make seats for flush screws in an easy and quick manner, simply by using a power portable drill. You can find below the directions of use for the two different solutions both with cylindrical and hex shank. It is very important to drill a pilot hole before inserting the screw, in order to obtain excellent results, both aesthetic and long-lasting performance.

HOW TO USE WITH CYLINDRICAL SHANK

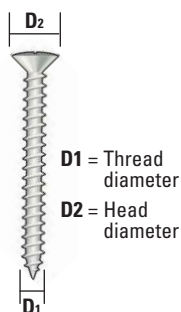


Z003.900.N + **Art. R155** + **Art. R205** (page 6.04)
Art. R210 (page 6.11)
Art. R215 (page 6.11)
Art. R216 (page 6.11) = **Art. R156**

HOW TO USE WITH HEX SHANK

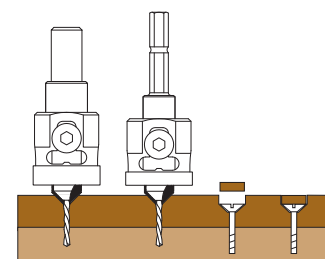


Z003.905.N + **Art. R158** + **Art. R205** (page 6.04)
Art. R210 (page 6.11)
Art. R215 (page 6.11)
Art. R216 (page 6.11) = **Art. R158**



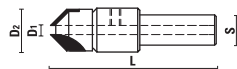
Pilot hole dimensions will be changed based on the type of wood to drill. For drilling soft wood, consider a smaller hole - roughly 10% - compared to hard wood

D2	D1	Soft wood	Hard wood
7	3,5	∅ drill bit 2,4	∅ drill bit 2,8
8	4	∅ drill bit 2,8	∅ drill bit 3,2
8,9	4,5	∅ drill bit 3,2	∅ drill bit 3,5
9,6	5	∅ drill bit 3,5	∅ drill bit 4



HW COUNTERSINKS 45° Z=2 WITH SHANK S=8

ART. R155



RH rotation	D1	D2	L	S
R155.030.R NEW	3	10	44	8
R155.035.R NEW	3,5	10	44	8
R155.040.R NEW	4	10	44	8
R155.050.R NEW	5	10	44	8



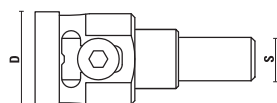
Z051.324.R



Z052.006.N

ADJUSTABLE DEPTH STOPPER

ART. Z003



- Depth stopper made in metal alloy **with ball bearing inside for no-friction operations**
- Great chip evacuation thanks to two lateral openings.
- Easy adjustment of countersink and drilling depth.
- Complete with adjusting screw.

Item	D	S
Z003.900.N NEW	32	9,5



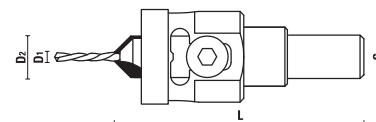
Z051.214.R



Z052.055.N

ADJUSTABLE COUNTERSINK SET

ART. R156



- Sold complete with HS drill bit (art R210)
- Depth stopper made in metal alloy **with ball bearing inside for no-friction operations**
- Great chip evacuation thanks to two lateral openings
- No risk of markings and scratches
- Easy adjustment of countersink and drilling depth
- Complete with adjusting screw

RH rotation	D1	D2	L	S
R156.030.R NEW	3	10	73	9,5
R156.035.R NEW	3,5	10	73	9,5
R156.040.R NEW	4	10	73	9,5
R156.050.R NEW	5	10	73	9,5



Z051.214.R



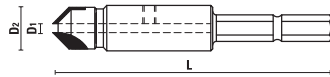
Z051.324.R



Z052.055.N

HW COUNTERSINKS 45° Z=2 WITH HEX SHANK

ART. R158



Quick change 1/4" (6,35mm) hex shank

RH rotation	D1	D2	L
R158.024.R NEW	2,4	9,5	60
R158.028.R NEW	2,8	9,5	60
R158.030.R NEW	3	9,5	60
R158.032.R NEW	3,2	9,5	60
R158.040.R NEW	4	9,5	60
R158.050.R NEW	5	12,7	70
R158.060.R NEW	6	12,7	70



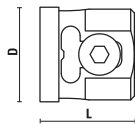
Z051.324.R



Z052.006.N

ADJUSTABLE DEPTH STOPPER

ART. Z003

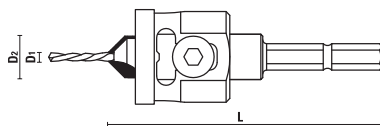


- With a **special collar made in Delrin** for low friction operation and easy depth adjustment
- Large side openings for chip clearance
- Z003.905.N for diam. from 2.4÷4
- Z003.906.N for diam. 5 and 6

Item	D	L
Z003.905.N NEW	25	25
Z003.906.N NEW	28	25

ADJUSTABLE COUNTERSINK SET

ART. R159



- Sold complete with HS drill bit (art R210)
- With a **special collar made in Delrin** for low friction operation and easy depth adjustment
- Quick change 1/4" (6,35mm) hex shank
- Large side openings for chip clearance

RH rotation	D1	D2	L
R159.024.R NEW	2,4	9,5	60
R159.028.R NEW	2,8	9,5	60
R159.030.R NEW	3	9,5	60
R159.032.R NEW	3,2	9,5	60
R159.040.R NEW	4	9,5	60
R159.050.R NEW	5	12,7	70
R159.060.R NEW	6	12,7	70



Z051.214.R



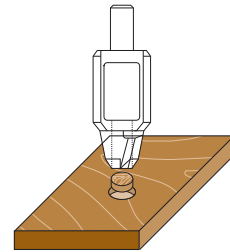
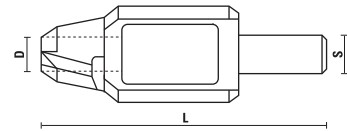
Z051.324.R



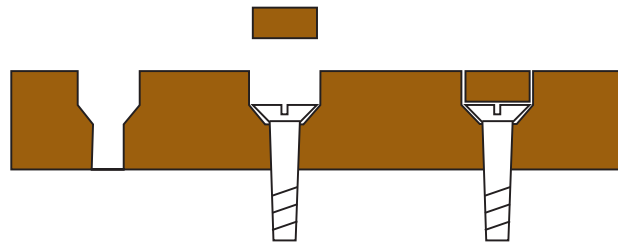
Z052.055.N

HS PLUG CUTTERS Z=1

ART. R221



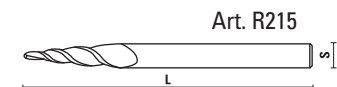
RH rotation	D	L	S	Z
R221.095.R NEW	9,5	61	8	1
R221.100.R NEW	10	61	8	1
R221.127.R NEW	12,7	61	8	1



After having used our adjustable countersink set (R156/R159), use our plug cutters (art R221) to obtain the plug to create a perfect and smooth surface.

HS SPIRAL BITS Z=2

ART. R210 - R215 - R216



Item	D1	D	L	S
R210.024.R NEW		2,4	57	2,4
R210.030.R NEW		3	61	3
R210.032.R NEW		3,2	65	3,2
R210.035.R NEW		3,5	70	3,5
R210.040.R NEW		4	75	4
R210.050.R NEW		5	86	5
R210.060.R NEW		6	93	6
R215.024.R NEW		2,4	57	2,4
R215.032.R NEW		3,2	70	3,2
R215.040.R NEW		4	80	4
R215.050.R NEW		5	89	5
R215.060.R NEW		6	98	6

R216.040.R NEW	2,8	4	75	4
R216.050.R NEW	3,5	5	86	5

Art R210 Standard spiral drill bit for full thread screw



Art R215 Tapered drill bit for full thread screw and greater holding power

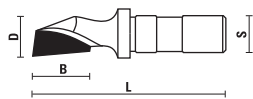


Art R216 Two steps drill bit for partial thread screw



HW/HS DOVETAIL BITS 9° - Z=1

ART. R151 - R251



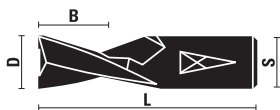
For OMEC machines

RH rotation	D	B	L	S	Z	Mat.
R151.140.R	14	18	60	12x30	1	HW
R251.140.R*	14	18	60	12x30	1	HS

* Selling out

VHW DOVETAIL BITS Z=2

ART. R152

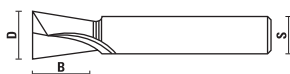


- For OMEC machines
- Solid carbide

RH rotation	D	B	L
R152.140.R	14	16	60

HW/HS DOVETAIL BITS Z=2

ART. R160 - R260

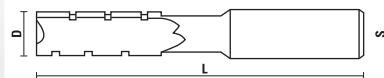


RH rotation	D	B	S	Mat.
R160.120.R	12	13	10x40	HW
R160.140.R	14	15	10x40	HW
R160.150.R	15	16	10x40	HW
R160.160.R	16	17	10x40	HW
R160.180.R	18	20	10x40	HW
R260.120.R	12	13	10x40	HS
R260.140.R	14	15	10x40	HS
R260.150.R	15	16	10x40	HS
R260.160.R	16	17	10x40	HS
R260.180.R	18	20	10x40	HS

- Add. charge for threaded shank
- Add. charge for inside threaded shank

SP SLOT MORTISING BITS WITH CHIPBREAKER Z=2

ART. S201- S202



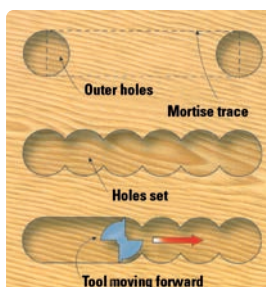
Chipbreaker execution



RH rotation	LH rotation	D	L	S	
S201.060.R	S201.060.L	6	105	13x50	
S201.061.R	S201.061.L	6	120	13x50	Long execution
S201.070.R	S201.070.L	7	110	13x50	
S201.080.R	S201.080.L	8	115	13x50	
S201.081.R	S201.081.L	8	130	13x50	Long execution
S201.090.R	S201.090.L	9	120	13x50	
S201.100.R	S201.100.L	10	125	13x50	
S201.101.R	S201.101.L	10	140	13x50	Long execution
S201.110.R	S201.110.L	11	130	13x50	
S201.120.R	S201.120.L	12	135	13x50	
S201.121.R	S201.121.L	12	150	13x50	Long execution
S201.130.R	S201.130.L	13	140	13x50	
S201.140.R	S201.140.L	14	145	13x50	
S201.141.R	S201.141.L	14	160	13x50	Long execution
S201.150.R	S201.150.L	15	150	13x50	
S201.160.R	S201.160.L	16	155	13x50	

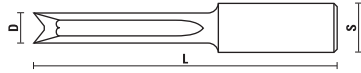
S202.060.R	S202.060.L	6	105	16x50	
S202.061.R	S202.061.L	6	120	16x50	Long execution
S202.070.R	S202.070.L	7	110	16x50	
S202.080.R	S202.080.L	8	115	16x50	
S202.081.R	S202.081.L	8	130	16x50	Long execution
S202.090.R	S202.090.L	9	120	16x50	
S202.100.R	S202.100.L	10	125	16x50	
S202.101.R	S202.101.L	10	140	16x50	Long execution
S202.110.R	S202.110.L	11	130	16x50	
S202.120.R	S202.120.L	12	135	16x50	
S202.121.R	S202.121.L	12	150	16x50	Long execution
S202.130.R	S202.130.L	13	140	16x50	
S202.140.R	S202.140.L	14	145	16x50	
S202.141.R	S202.141.L	14	160	16x50	Long execution
S202.150.R	S202.150.L	15	150	16x50	
S202.160.R	S202.160.L	16	155	16x50	
S202.161.R	S202.161.L	16	170	16x50	Long execution
S202.180.R	S202.180.L	18	165	16x50	
S202.181.R	S202.181.L	18	180	16x50	Long execution
S202.200.R	S202.200.L	20	175	16x50	
S202.220.R	S202.220.L	22	180	16x50	
S202.240.R	S202.240.L	24	180	16x50	

X100.006.R 6 mortising bits set Ø 6 - 8 - 10 - 12 - 14 - 16 Rh rotation
X100.006.L 6 mortising bits set Ø 6 - 8 - 10 - 12 - 14 - 16 Lh rotation



HL RECIPROCATING SLOT MORTISING BITS

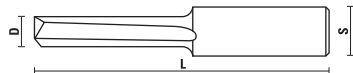
ART. S210 - S211 - S212 - S213



Item	D	L	S	Z
S210.060.N	6	100	16x50	2
S210.070.N	7	100	16x50	2
S210.080.N	8	100	16x50	2
S210.090.N	9	100	16x50	2
S210.100.N	10	110	16x50	2
S210.120.N	12	110	16x50	2
S210.140.N	14	110	16x50	2
S210.160.N	16	110	16x50	2
S211.060.N	6	100	13x50	4
S211.070.N	7	100	13x50	4
S211.080.N	8	100	13x50	4
S211.090.N	9	100	13x50	4
S211.100.N	10	110	13x50	4
S211.120.N	12	110	13x50	4
S211.140.N	14	110	13x50	4
S211.160.N	16	110	13x50	4
S212.060.N	6	60	12x30	2
S212.070.N	7	60	12x30	2
S212.080.N	8	60	12x30	2
S212.100.N	10	60	12x30	4
S212.120.N	12	60	12x30	4
S213.060.N	6	73	10x40	4
S213.070.N	7	73	10x40	4
S213.080.N	8	73	10x40	4
S213.100.N	10	73	10x40	4
S213.120.N	12	73	10x40	4

HL RECIPROCATING SLOT MORTISING BITS Z=3

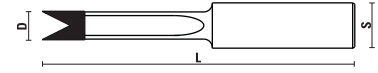
ART. S214



RH rotation	LH rotation	D	L	S	Z
S214.060.R	S214.060.L	6	110	16x50	3
S214.080.R	S214.080.L	8	110	16x50	3
S214.100.R	S214.100.L	10	110	16x50	3
S214.120.R	S214.120.L	12	110	16x50	3
S214.140.R	S214.140.L	14	115	16x50	3
S214.160.R	S214.160.L	16	115	16x50	3
S214.180.R	S214.180.L	18	115	16x50	3
S214.200.R	S214.200.L	20	115	16x50	3

HW RECIPROCATING SLOT MORTISING BITS

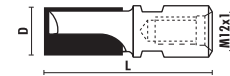
ART. S110 - S111



Item	D	L	S	Z
S110.060.N	6	100	16x50	2
S110.080.N	8	100	16x50	2
S110.100.N	10	110	16x50	2
S110.120.N	12	110	16x50	2
S110.140.N	14	110	16x50	2
S110.160.N	16	110	16x50	2
S111.060.N	6	100	13x50	2
S111.080.N	8	100	13x50	2
S111.100.N	10	110	13x50	2
S111.120.N	12	110	13x50	2
S111.140.N	14	110	13x50	2
S111.160.N	16	110	13x50	2

HW/SP GROOVING CUTTERS Z=2

ART. S120 - S220



For the lock housing

RH rotation	D	L	Mat.
S120.200.R	20	60	HM
S120.220.R	22	60	HM
S220.200.R	20	60	SP
S220.220.R	22	60	SP

HW/SP SLOT MORTISING CUTTERS Z=2

ART. S121 - S221

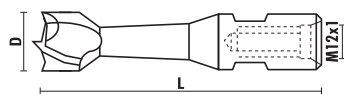


For cutting slots

RH rotation	D	L	Mat.
S121.120.R	12	100	HW
S121.140.R	14	100	HW
S221.120.R	12	100	SP
S221.140.R	14	100	SP

HW/SP BORING BITS Z=2

ART. S122 - S222

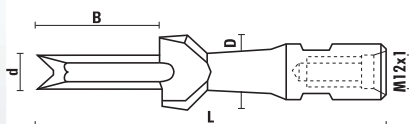


For boring

RH rotation	D	L	Mat.
S122.180.R	18	100	HW
S122.200.R	20	100	HW
S222.180.R	18	100	SP
S222.200.R	20	100	SP

HW/SP SLOT BORING BITS Z=2

ART. S123 - S223

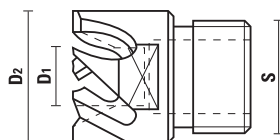


To produce slots and holes

RH rotation	d	D	B	L	Mat.
S123.110.R	11	19	62	155	HW
S123.120.R	12	19	62	155	HW
S223.110.R	11	19	62	155	SP
S223.120.R	12	19	62	155	SP

HS DOWEL CUTTERS

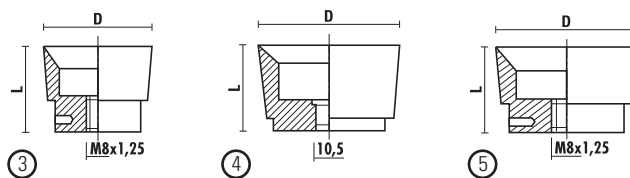
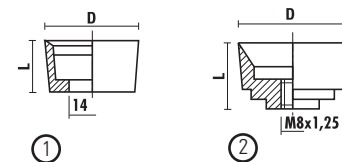
ART. S250



RH rotation	D1	D2	Z	S
S250.080.R	8	25	4	21/14x1"
S250.082.R	8,2	25	4	21/14x1"
S250.100.R	10	25	4	21/14x1"
S250.102.R	10,2	25	4	21/14x1"
S250.120.R	12	25	4	21/14x1"
S250.122.R	12,2	25	4	21/14x1"
S250.162.R	16,2	32	5	26/14x1"

HS CUTTERS FOR COPYING LATHES

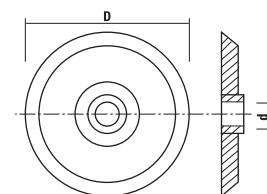
ART. S260



Item	Drawing	D	L
S260.320.N	1	32	15
S260.350.N	2	35	20
S260.360.N	3	36	26
S260.400.N	4	40	25
S260.450.N	5	45	26

HS CUTTERS FOR COPYING LATHES

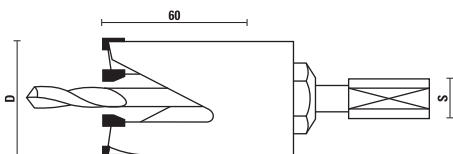
ART. S270



Item	D	d
S270.750.N	75	10,3

HW HOLE SAWS

ART. S180



- For large boring depth, **suitable for wood, chipboard, plastic materials, glass fibers ecc.**
- Bore depth 60 mm
- Right hand rotation
- Single packed
- With HS centering drill included

Item	D	S	Z	RPM
S180.220.R	22	10	2	2.800
S180.250.R	25	10	2	2.800
S180.270.R	27	10	2	2.800
S180.300.R	30	10	2	2.300
S180.320.R	32	12	2	2.300
S180.350.R	35	12	3	2.300
S180.380.R	38	12	3	2.300
S180.400.R	40	12	3	1.800
S180.450.R	45	12	3	1.800
S180.480.R	48	12	3	1.800
S180.500.R	50	12	3	1.800
S180.550.R	55	12	4	1.500
S180.600.R	60	12	4	1.500
S180.650.R	65	12	4	1.200
S180.680.R	68	12	4	1.200
S180.700.R	70	12	4	1.200
S180.750.R	75	12	5	1.000
S180.800.R	80	12	5	1.000
S180.850.R	85	12	5	1.000
S180.900.R	90	12	5	1.000
S180.999.R	100	12	5	700
S180.999.R127	127	12	5	500

11 pcs. display

S180.011.N (Ø22, Ø25, Ø27, Ø30, Ø35, Ø38, Ø40, Ø45, Ø50, Ø55, Ø60)



S180.011.N

Spare parts

Arbor

S181.100.R	S=10
S181.120.R	S=12

HS centering drill

S182.063.R D=6,3 L=100

17 pcs. display

S180.017.N (Ø22, Ø25, Ø27, Ø30, Ø35, Ø38, Ø40, Ø45, Ø50, Ø55, Ø60, Ø65, Ø68, Ø70, Ø80, Ø90, Ø100)



S180.017.N

Application table

WOOD		
Hard	Chipboard	Composites
XXX	XXX	XXX

PLASTIC			
Fiberglass	Acrylic	PVC	Rubber
XXX	XX	XX	XX

