

Router bits for hand portable machines

S=Ø6 - S=Ø6,4 (1/4") - S=Ø8



1



VHM STRAIGHT BITS
Page 1.07



HW STRAIGHT BITS
Page 1.07



VHM DOUBLE FLUSH
TRIMMING BITS
Page 1.08



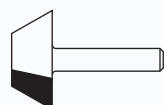
HW PANEL PILOT BITS Z=2
Page 1.08



HW PANEL PILOT BITS Z=1+1
Page 1.08



HW DOUBLE PANEL PILOT BITS
Page 1.08



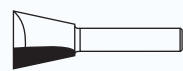
HW BEVEL TRIM BITS Z=2
Page 1.08



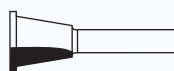
HW BEVEL TRIM BITS Z=2
Page 1.08



HW DOVETAIL BITS Z=2
Page 1.08



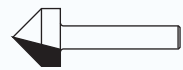
HW DOVETAIL BITS Z=2
Page 1.09



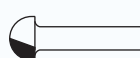
HW DOVETAIL BITS Z=2
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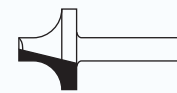
VHM U-GROOVE
AND SIGNMAKING BITS
Page 1.09



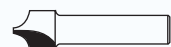
HW V-GROOVE AND SIGNMAKING BITS
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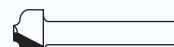
HW CORE BOX BITS Z=2
Page 1.09



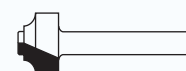
HW PLUNGING
ROUND-OVER BITS Z=2
Page 1.10



HW PLUNGING ROUND-OVER BITS Z=2
Page 1.10



HW PLUNGE TYPE OGEE BITS Z=2
Page 1.10



HW PLUNGE TYPE TRADITIONAL
BITS Z=2
Page 1.10



HW PLUNGE TYPE CLASSICAL
BITS Z=2
Page 1.10

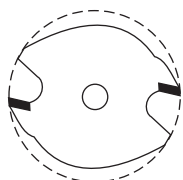


HW BULL NOSE RADIUS BITS Z=2
Page 1.10

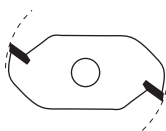


SLOT CUTTER ARBORS
Page 1.10

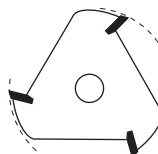
Klein®



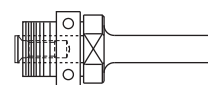
HW SLOT CUTTERS
Page 1.11



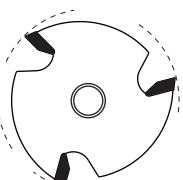
HW SLOT CUTTERS
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HW SLOT CUTTERS
Page 1.11



SLOT CUTTER ARBORS
Page 1.11



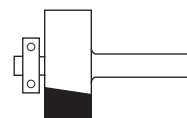
HW SLOT CUTTERS SPECIAL FIXING SCREW
Page 1.11



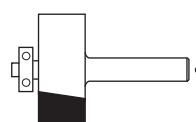
HW TRIMMING BITS
WITH BALL BEARING Z=2
Page 1.12



HW TRIMMING BITS
WITH BALL BEARING Z=2
Page 1.12



HW RABBETTING BITS
WITH BALL BEARING Z=2
Page 1.12



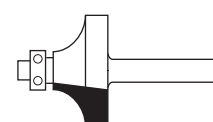
HW RABBETTING BITS WITH
BALL BEARING Z=2
Page 1.13



HW LEVEL TRIM BITS
WITH BALL BEARING Z=2
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HW LEVEL TRIM BIT GUIDE
WITH BALL BEARING
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HW CORNER ROUNDING BITS
WITH BALL BEARING Z=2
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HW BEADING BITS
WITH BALL BEARING GUIDE Z=2
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HW COVER BITS
WITH BALL BEARING GUIDE Z=2
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HW CLASSICAL COVER BITS
WITH BALL BEARING GUIDE Z=2
Page 1.14



HW ROMAN OGEE BITS
WITH BALL BEARING GUIDE Z=2
Page 1.14



HW DOUBLE ROMAN OGEE BITS Z=2
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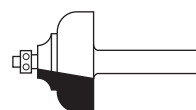
HW OGEE BITS
WITH BALL BEARING GUIDE Z=2
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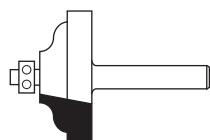
HW OGEE BITS
WITH BALL BEARING GUIDE Z=2
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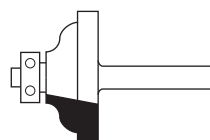
HW OGEE BITS
WITH BALL BEARING GUIDE Z=2
Page 1.15



HW OGEE BITS
WITH BALL BEARING GUIDE Z=2
Page 1.15



HW OGEE BITS
WITH BALL BEARING GUIDE Z=2
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HW OGEE BITS
WITH BALL BEARING GUIDE Z=2
Page 1.15



HW CLASSICAL MOULDING BITS
WITH BALL BEARING GUIDE Z=2
Page 1.15



HW CLASSICAL MOULDING BITS
WITH BALL BEARING GUIDE Z=2
Page 1.15



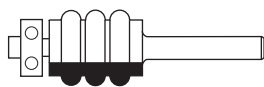
HW CORNER BEADING BITS
WITH BALL BEARING GUIDE Z=2
Page 1.16



HW EDGE-FLUTING BITS
WITH BALL BEARING GUIDE Z=2
Page 1.16



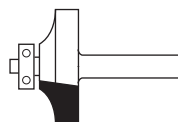
HW MULTI-BEADING BITS
WITH BALL BEARING GUIDE Z=2
Page 1.16



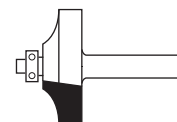
HW MULTI-BEADING BITS
WITH BALL BEARING GUIDE Z=2
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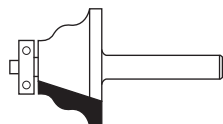
HW FLUSH-TRIM "V" GROOVE BITS
WITH BALL BEARING GUIDE Z=2
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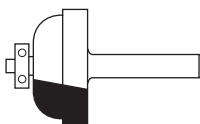
HW FLAT ROUNDING OVER BITS
WITH BALL BEARING GUIDE Z=2
Page 1.16



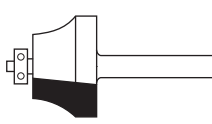
HW FLAT ROUNDING OVER BITS
WITH BALL BEARING GUIDE Z=2
Page 1.17



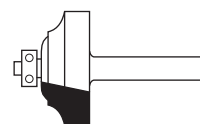
HW PROFILE BITS
WITH BALL BEARING GUIDE
Page 1.17



HW FLAT OGEE BITS WITH
BALL BEARING GUIDE Z=2
Page 1.17



HW OVOLO JOINT BITS WITH
BALL BEARING GUIDE Z=2
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HW OGEE BITS
WITH BALL BEARING GUIDE Z=2
Page 1.17



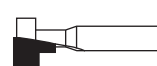
HW PANEL PILOT BITS WITH
BALL BEARING GUIDE Z=1
Page 1.17



HW FLUSH AND BEVEL TRIM BITS Z=2
Page 1.18



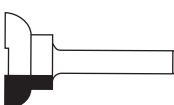
HW FLUSH AND BEVEL TRIM BITS
WITH BALL BEARING GUIDE Z=2
Page 1.18



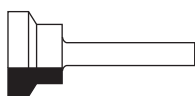
HW KEYHOLE BITS Z=1
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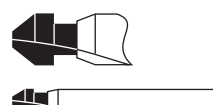
HW CONVEX EDGING BITS Z=2
Page 1.18



HW FINGER GRIP BITS Z=2
Page 1.18



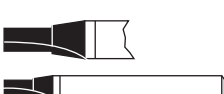
HW DRAWER LOCK BITS Z=2
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HW SEAL PROFILE BITS Z=2
Page 1.18



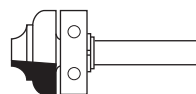
HW DOVETAIL SEAL BITS Z=2
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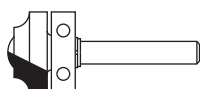
HW SEAL BITS Z=2
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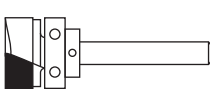
HW FLUSH TRIM BITS WITH
UPPER BALL BEARING GUIDE Z=2
Page 1.19



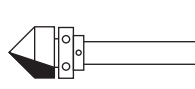
HW FLUSH TRIM BITS WITH
UPPER BALL BEARING GUIDE Z=2
Page 1.19



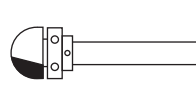
HW FLUSH TRIM BITS WITH
UPPER BALL BEARING GUIDE Z=2
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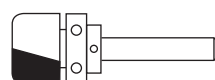
HW FLUSH TRIM BITS WITH
UPPER BALL BEARING GUIDE Z=2
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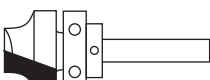
HW GROOVE BITS WITH
UPPER BALL BEARING GUIDE Z=2
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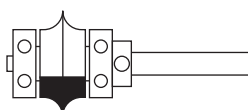
HW FLUSH TRIM BITS WITH
UPPER BALL BEARING GUIDE Z=2
Page 1.20



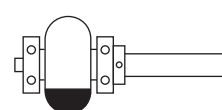
HW FLUSH TRIM BITS WITH
UPPER BALL BEARING GUIDE Z=2
Page 1.20



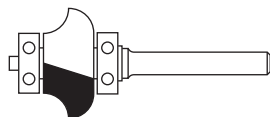
HW FLUSH TRIM BITS WITH
UPPER BALL BEARING GUIDE Z=2
Page 1.20



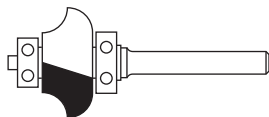
HW "LEAF-EDGE" BEADING BITS WITH
DOUBLE BALL BEARING GUIDE Z=2
Page 1.20



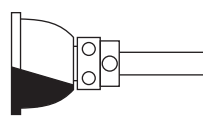
HW "EDGE-FLUTING" BITS WITH
DOUBLE BALL BEARING GUIDE Z=2
Page 1.21



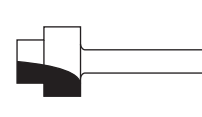
HW RADIUS BITS WITH DOUBLE
BALL BEARING GUIDE Z=2
Page 1.21



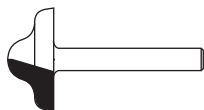
HW RADIUS BITS WITH DOUBLE
BALL BEARING GUIDE Z=2
Page 1.21



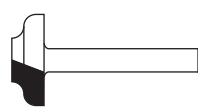
HW OVOLO RADIUS BITS WITH
BALL BEARING GUIDE Z=2
Page 1.21



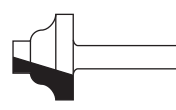
HW DOUBLE DIAMETER BITS Z=2
Page 1.21



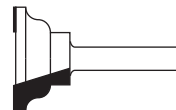
HW DOUBLE RADIUS BITS Z=2
Page 1.21



HW DOUBLE RADIUS BITS Z=2
Page 1.22



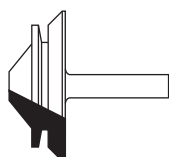
HW DOUBLE RADIUS BITS Z=2
Page 1.22



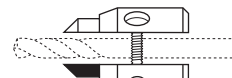
HW DOUBLE RADIUS BITS Z=2
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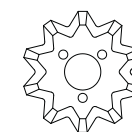
HW MULTI RADIUS BITS Z=2
Page 1.22



HW 45 DEGREE LOCK MITRE
JOINT BITS Z=2
Page 1.22



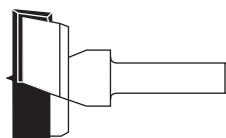
HW ADJUSTABLE COUNTERSINKS
FROM 3 mm THROUGH 7 mm
Page 1.23



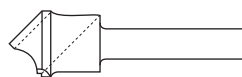
HS FLUSH TRIMMERS FOR TABLE
EDGE BANDING MACHINES
Page 1.23



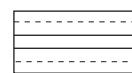
HW PLUNGE TYPE STRAIGHT BITS
FOR "ELU"
Page 1.23



HW BORING BITS
Page 1.24



HSS COUNTERSINKS
Page 1.24



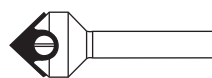
BUSHINGS
Page 1.24



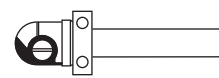
SPACERS
Page 1.24



HW INSERT FLUSH TRIMMING BITS Z=1
Page 1.25



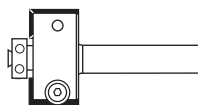
HW INSERT V-GROOVING BITS Z=1
Page 1.25



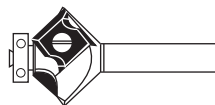
HW INSERT CORE BOX BITS
WITH UPPER BALL BEARING Z=1
Page 1.25



HW INSERT FLUSH TRIMMING BITS
WITH BALL BEARING
Page 1.25



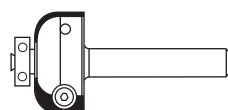
HW INSERT RABBIT BITS
WITH BALL BEARING Z=2
Page 1.25



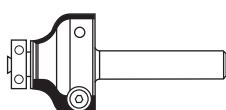
HW INSERT FLUSH TRIMMING BITS
WITH BALL BEARING Z=2
Page 1.26



HW INSERT CORNER ROUNDING BITS
WITH BALL BEARING Z=2
Page 1.26



HW INSERT COVER BITS
WITH BALL BEARING Z=2
Page 1.26



HW INSERT OGEE BITS WITH BALL
BEARING Z=2
Page 1.26



6 PIECE STRAIGHT-DOVETAIL INSERT
ROUTER BITS "STARTER SET"
Page 1.27



6 PIECE PROFILE INSERT ROUTER
BITS "STARTER SET"
Page 1.27



6 PIECE STRAIGHT BITS
"STARTER SET"
Page 1.28



6 PIECE CORNER ROUNDING
BITS "STARTER SET"
Page 1.28



6 PIECE DOVETAIL BITS
"STARTER SET"
Page 1.29



12 PIECE CLASSICAL ROUTER BITS
"STARTER SET"
Page 1.30



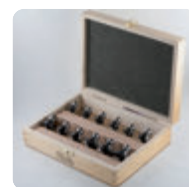
12 PIECE STRAIGHT ROUTER
BITS "ADVANCED SET"
Page 1.31



12 PIECE PROFILE INSERT ROUTER
BITS "ADVANCED SET"
Page 1.32



12 PIECE DOVETAIL BITS
"ADVANCED SET"
Page 1.33



12 PIECE CORNER ROUNDING
BITS "ADVANCED SET"
Page 1.34



6 PIECE INSERT ROUTER BITS "SET"
Page 1.35



6 PIECE INSERT ROUTER BITS "SET"
Page 1.35

ROUTER BITS FOR PORTABLE ROUTERS

The high quality **Klein** router bits satisfy the most accurate applications required by the marketplace today. In order to achieve the highest level of quality, our production department has continually invested in and equipped with the advanced technologies and versatile engineering systems over the years.

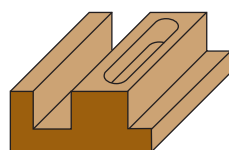
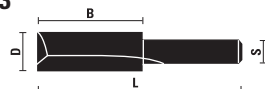
Moreover we always pay detail attention to the choice **Klein** of raw materials. For example, in developing our special TCT straight router bits, we collaborated with our supplier in material selection, so that these bits are produced for top market performance, precision and cutting life. Various diameters and lengths of router bits can be found in our **Klein** catalogue; in fact, there are more than a thousand different items which can meet any particular requirement in both industrial and hancraft applications.

Table for the choice of straight router bits

Items	Soft wood	Hard wood	Composite
A/B/C 101-102 VHW	XXX	XXX	XXX
A/B/C 101-102 HW brazed	XX	XXX	XXX

VHM STRAIGHT BITS

ART. A101/2/3 - B101/2/3 - C101/2/3



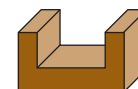
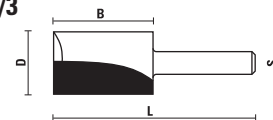
- Solid carbide
- Straight cut plunging
- To be used also for working plastic materials, acrylic, polypropylene, acetates and polycarbonates
- To be used also for C.N.C. machines



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L	Z
A101.015.R			1,5	4	46	2+1
A101.020.R	B101.020.R		2	4	46	2+1
	B101.024.R		2,4	6	46	2+1
A101.025.R			2,5	8	48	2+1
A101.030.R	B101.030.R	C101.030.R	3	11	51	2+1
	B101.032.R		3,2	11	51	2+1
A101.040.R	B101.040.R	C101.040.R	4	11	51	2+1
	B101.048.R		4,8	11	51	2+1
A101.050.R		C101.050.R	5	11	51	2+1
A101.060.R	B101.060.R	C101.060.R	6	19	51	2+1
	B101.064.R		6,4	19	51	2+1
A101.070.R	B101.070.R	C101.070.R	7	19	51	2+1
A101.080.R	B101.080.R	C101.080.R	8	19	51	2+1
	B102.048.R		4,8	16	55	2+1
A102.050.R		C102.050.R	5	16	55	2+1
A102.060.R	B102.060.R	C102.060.R	6	25	57	2+1
	B102.064.R		6,4	25	57	2+1
A102.080.R	B102.080.R	C102.080.R	8	25	57	2+1
A103.080.R	B103.080.R	C103.080.R	8	32	63	2+1

HW STRAIGHT BITS

ART. A101/2/3 - B101/2/3 - C101/2/3



- Straight cut
- Z=2+1 also plunging

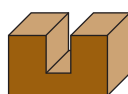


S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L	Z
A101.090.R		C101.090.R	9	19	51	2
	B101.095.R		9,5	19	51	2
A101.100.R	B101.100.R	C101.100.R	10	19	51	2
A101.101.R		C101.101.R	10	19	51	2+1
A101.110.R	B101.110.R	C101.110.R	11	19	51	2
A101.120.R	B101.120.R	C101.120.R	12	19	51	2
A101.121.R		C101.121.R	12	19	51	2+1
	B101.127.R		12,7	19	51	2
A101.130.R		C101.130.R	13	19	51	2
A101.140.R	B101.140.R	C101.140.R	14	19	51	2
A101.141.R		C101.141.R	14	19	51	2+1
	B101.143.R		14,3	19	51	2
A101.150.R	B101.150.R	C101.150.R	15	19	51	2
A101.160.R	B101.160.R	C101.160.R	16	19	51	2
A101.161.R		C101.161.R	16	19	51	2+1
A101.170.R		C101.170.R NEW	17	19	51	2
	B101.175.R		17,5	19	51	2
A101.180.R	B101.180.R	C101.180.R	18	19	51	2
A101.181.R		C101.181.R	18	19	51	2+1
A101.190.R	B101.190.R	C101.190.R	19	19	51	2
A101.200.R	B101.200.R	C101.200.R	20	19	51	2
A101.201.R		C101.201.R	20	19	51	2+1
	B101.206.R		20,6	19	51	2
A101.210.R		C101.210.R	21	19	51	2
A101.220.R	B101.220.R	C101.220.R	22	19	51	2
A101.221.R		C101.221.R	22	19	51	2+1
		C101.240.R	24	19	51	2
A101.250.R		C101.250.R	25	19	51	2
	B101.254.R		25,4	19	51	2
	B102.095.R		9,5	25	57	2
A102.100.R	B102.100.R	C102.100.R	10	25	57	2
A102.101.R		C102.101.R	10	25	57	2+1
A102.120.R	B102.120.R	C102.120.R	12	25	57	2
A102.121.R		C102.121.R	12	25	57	2+1
	B102.127.R		12,7	25	57	2
		C102.140.R	14	25	57	2
A102.150.R			15	25	57	2
A102.160.R	B102.160.R	C102.160.R	16	25	57	2
A102.161.R		C102.161.R	16	25	57	2+1
	B103.095.R		9,5	32	63	2
A103.100.R	B103.100.R	C103.100.R	10	32	63	2
A103.120.R	B103.120.R	C103.120.R	12	32	63	2
	B103.127.R		12,7	32	63	2
A103.150.R			15	32	63	2
A103.160.R	B103.160.R	C103.160.R	16	32	63	2

Straight bits sets in wooden case see page 1.28 and 1.31

VHM DOUBLE FLASH TRIMMING BITS

ART. A101

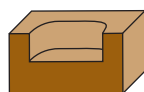
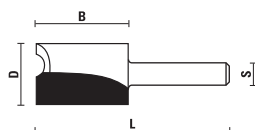


Solid carbide

S Ø 6	D	B	L	Z
A101.031.R	3	11	65	2+1

HW PANEL PILOT BITS Z=2

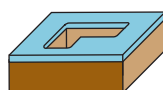
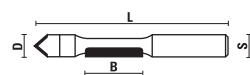
ART. A104 - B104 - C104



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
A104.127.R	B104.127.R	C104.127.R	12,7	19	51
A104.160.R	B104.160.R	C104.160.R	16	19	51
A104.190.R	B104.190.R	C104.190.R	19	19	51

HW PANEL PILOT BITS Z=1+1

ART. A105 - B105 - C105



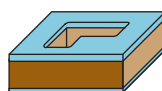
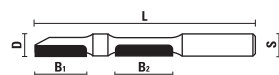
Ideal for working laminated panels

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
A105.060.R ▲			6	19	63
A105.064.R	B105.064.R	C105.064.R	6,4	19	63
		C105.080.R	8	19	63

▲ Solid carbide

HW DOUBLE PANEL PILOT BITS

ART. A106 - C106

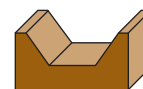
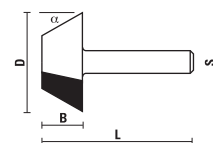


Ideal for working laminated panels top and bottom side

S Ø 6	S Ø 8	D	B1	B2	L
A106.060.R	C106.060.R	6	18	18	75

HW BEVEL TRIM BITS Z=2

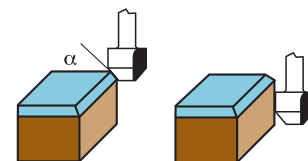
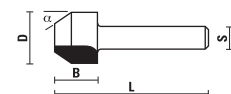
ART. A107 - B107 - C107



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	α	B	L
A107.127.R	B107.127.R		12,7	15°	13	51
A107.143.R	B107.143.R		14,3	10°	16	45
A107.222.R	B107.222.R	C107.222.R	22,2	23°	10	38
A107.254.R	B107.254.R	C107.254.R	25,4	30°	10	38
A107.350.R	B107.350.R	C107.350.R	35	45°	10	38

HW BEVEL TRIM BITS Z=2

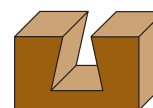
ART. A107 - B107 - C107



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	α	B	L
A107.030.R	B107.030.R	C107.030.R	12,7	30°	12,7	41
A107.045.R	B107.045.R	C107.045.R	12,7	45°	12,7	41

HW DOVETAIL BITS Z=2

ART. A108



- To use for joints "Hoffman" system.
- For frames, matchboards, drawers, window and door frames, pallets and wood products in general.

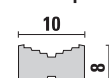
S Ø 6	S Ø 8	D	α	B	L	Nr.
A108.053.R ▲		5,3	17°	4	43	1
A108.078.R ▲		7,8	18°	6	43	2
A108.093.R ▲		9,3	19°	7,5	43	3
	C108.161.R	15,8	20°	13	43	4

▲ Solid carbide

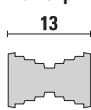
Dowel pin nr. 1



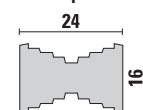
Dowel pin nr. 2



Dowel pin nr. 3

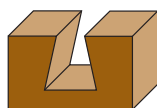
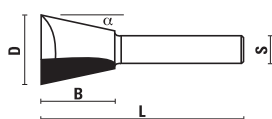


Dowel pin nr. 4



HW DOVETAIL BITS Z=2

ART. A108



S Ø 6	S Ø 6,4 (1/4")	D	α	B	L
A108.064.R ▲	B108.064.R	6,4	7°	8	63
A108.080.R ▲	B108.080.R	8	9°	9,5	63
A108.095.R	B108.095.R	9,5	9°	9,5	42
A108.127.R	B108.127.R	12,7	14°	13	45
A108.150.R		15	12°	14,5	58
A108.160.R	B108.160.R	16	13°	16	45
A108.190.R	B108.190.R	19	14°	19	65

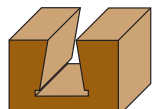
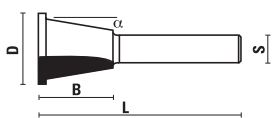
▲ Solid carbide

S Ø 8	D	α	B	L
C108.064.R	6,4	7°	8	44
C108.080.R	8	9°	9,5	42
C108.095.R	9,5	9°	9,5	47
C108.127.R	12,7	14°	13	49
C108.150.R	15	12°	14,5	61
C108.160.R	16	13°	16	49
C108.190.R	19	14°	19	55
C108.191.R NEW	19	7°	19	60

Dovetail bits sets in wooden case see page 1.29 and 1.33

HW DOVETAIL BITS Z=2

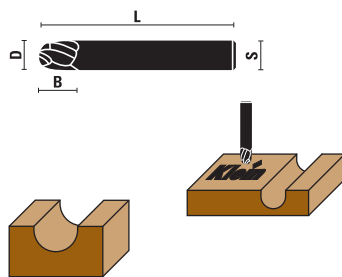
ART. A108



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	α	B	L
A108.143.R	B108.143.R	C108.143.R	14,3	13°	13,5	55

VHM U-GROOVE AND SIGNMAKING BITS

ART. A111



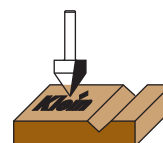
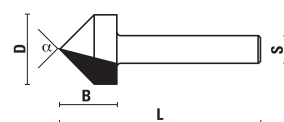
- Solid carbide
- Suitable for engravings and sign writing

S Ø 6	D	R	B	L	Z
A111.060.R NEW	6	3	9	60	3

HW V-GROOVE AND SIGNMAKING BITS

ART. A109 - B109 - C109

A110 - B110 - C110



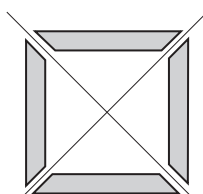
- Suitable for engravings and sign writing

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	α	B	L	Z
A109.060.R ▲		C109.060.R	6	90°	8	45	2
A109.095.R	B109.095.R	C109.095.R	9,5	90°	11	45	2
A109.127.R	B109.127.R	C109.127.R	12,7	90°	13	45	2
A109.160.R	B109.160.R	C109.160.R	16	90°	13	45	2
A109.190.R	B109.190.R	C109.190.R	19	90°	16	45	2
A109.254.R	B109.254.R	C109.254.R	25,4	90°	19	48	2
		① C109.380.R	38	90°	20	63	2

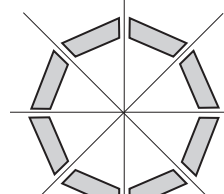
A110.127.R	B110.127.R	C110.127.R	12,7	60°	16	45	2
A110.140.R	B110.140.R	C110.140.R	14	60°	22	57	3
		② C110.190.R	19	45°	25	63	2

▲ Solid carbide

① - ② Items for working plasterboard panels



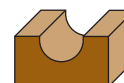
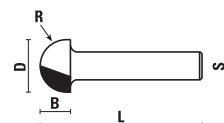
① Bit makes a 45° chamfer that can be used to build square share



② Bit makes a 22,5° chamfer that can be used to build a B-side box (to an octagonal)

HW CORE BOX BITS Z=2

ART. A111 - B111 - C111

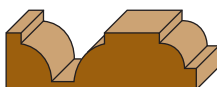
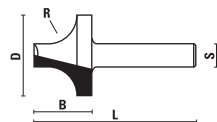


S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A111.032.R ▲	B111.032.R	C111.032.R	3,2	1,6	10	44
A111.048.R ▲	B111.048.R	C111.048.R	4,8	2,4	13	44
A111.064.R ▲	B111.064.R	C111.064.R	6,4	3,2	13	44
A111.080.R ▲	B111.080.R	C111.080.R	8	4	13	47
A111.095.R	B111.095.R	C111.095.R	9,5	4,8	7	38
A111.127.R	B111.127.R	C111.127.R	12,7	6,4	10	38
A111.160.R	B111.160.R	C111.160.R	16	8	11	40
A111.180.R	B111.180.R	C111.180.R	18	9	19	47
A111.220.R	B111.220.R	C111.220.R	22	11	14	45
A111.254.R	B111.254.R	C111.254.R	25,4	12,7	17	47

▲ Solid carbide

HW PLUNGING ROUND-OVER BITS Z=2

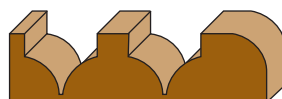
ART. A112 - B112 - C112



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A112.140.R		C112.140.R	14	4	13	41
A112.160.R		C112.160.R	16	5	13	41
A112.180.R		C112.180.R	18	6	13	41
A112.190.R	B112.190.R	C112.190.R	19	6,4	13	41
A112.220.R	B112.220.R	C112.220.R	22	8	14,5	43
A112.254.R	B112.254.R	C112.254.R	25,4	9,5	16	44
		C112.350.R	35	12,7	25,4	63

HW PLUNGING ROUND-OVER BITS Z=2

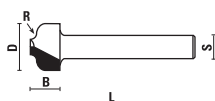
ART. C112



S Ø 8	D	R	B	L
C112.030.R	8	3	10	50
C112.040.R	10	4	10	50
C112.050.R	12	5	10	50

HW PLUNGE TYPE OGEE BITS Z=2

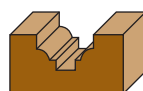
ART. A113 - B113 - C113



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A113.095.R	B113.095.R	C113.095.R	9,5	1,6	8	51
A113.127.R	B113.127.R	C113.127.R	12,7	2	10	51
A113.190.R	B113.190.R	C113.190.R	19	3,5	13	54

HW PLUNGE TYPE TRADITIONAL BITS Z=2

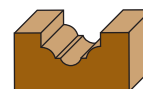
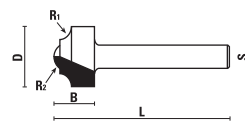
ART. A114 - B114 - C114



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A114.127.R	B114.127.R	C114.127.R	12,7	2	10	51
A114.190.R	B114.190.R	C114.190.R	19	3,5	11	52

HW PLUNGE TYPE CLASSICAL BITS Z=2

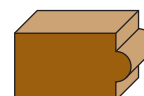
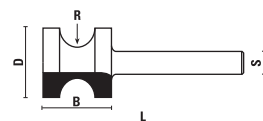
ART. A115 - B115 - C115



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R1	R2	B	L
A115.127.R	B115.127.R	C115.127.R	12,7	2,5	3,5	10	51
A115.190.R	B115.190.R	C115.190.R	19	3,7	4	13	54
		C115.254.R	25,4	5	6,4	17,5	73

HW BULL NOSE RADIUS BITS Z=2

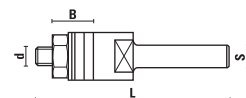
ART. A116 - B116 - C116



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A116.135.R	B116.135.R	C116.135.R	13,5	2	13	41
A116.150.R	B116.150.R	C116.150.R	15	2,8	13	42
A116.167.R	B116.167.R	C116.167.R	16,7	3,6	19	48
A116.222.R	B116.222.R	C116.222.R	22,2	5,2	19	48
A116.260.R	B116.260.R	C116.260.R	26	6,8	25	54

SLOT CUTTER ARBORS

ART. A117 - B117 - C117 - E117 - G117



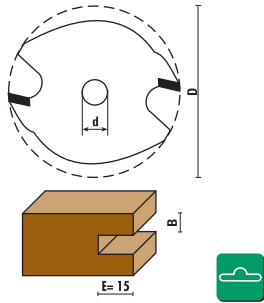
S Ø 6	S Ø 6,4 (1/4")	S Ø 8	d	B	L
A117.060.R	B117.060.R		6	17	52
A117.080.R	B117.080.R		7,94	34	67
		C117.060.R	6	17	57
		C117.079.R	7,94	34	70
		C117.080.N	7,94	53	96
		C117.081.N	7,94	66	108
		C117.082.N	7,94	38	80

S Ø 12	S Ø 12,7 (1/2")	d	B	L
E117.120.N	G117.120.R	7,94	53	96
E117.121.N	G117.121.R	7,94	66	108
E117.122.N	G117.122.R	7,94	38	80
E117.123.N	G117.123.R	7,94	34	76

Used with cutters Art. A118 - C118, spacers Art. Z057 and ball bearing Art. Z050.006.N (see section 10)

HW SLOT CUTTERS

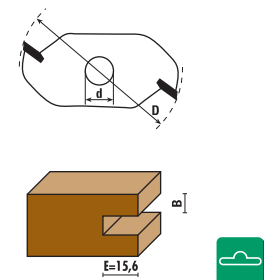
ART. A118



Bore Ø 6	d	D	B	Z
A118.015.R	6	40	1,5	2
A118.018.R	6	40	1,8	2
A118.020.R	6	40	2	2
A118.025.R	6	40	2,5	2
A118.030.R	6	40	3	2
A118.035.R	6	40	3,5	2
A118.040.R	6	40	4	2
A118.050.R	6	40	5	2
A118.060.R	6	40	6	2

HW SLOT CUTTERS

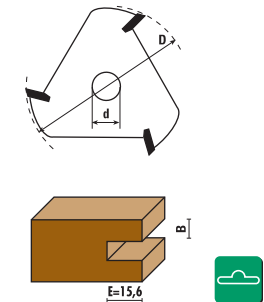
ART. C118



Bore Ø 8	d	D	B	Z
C118.216.R	7,94	47,6	1,6	2
C118.220.R	7,94	47,6	2	2
C118.224.R	7,94	47,6	2,4	2
C118.230.R	7,94	47,6	3	2
C118.232.R	7,94	47,6	3,2	2
C118.240.R	7,94	47,6	4	2
C118.248.R	7,94	47,6	4,8	2
C118.250.R	7,94	47,6	5	2
C118.260.R	7,94	47,6	6	2
C118.264.R	7,94	47,6	6,4	2

HW SLOT CUTTERS

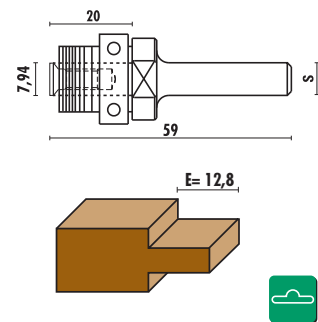
ART. C118



Bore Ø 8	d	D	B	Z
C118.316.R	7,94	47,6	1,6	3
C118.320.R	7,94	47,6	2	3
C118.324.R	7,94	47,6	2,4	3
C118.330.R	7,94	47,6	3	3
C118.332.R	7,94	47,6	3,2	3
C118.340.R	7,94	47,6	4	3
C118.348.R	7,94	47,6	4,8	3
C118.350.R	7,94	47,6	5	3
C118.360.R	7,94	47,6	6	3
C118.364.R	7,94	47,6	6,4	3

SLOT CUTTER ARBORS

ART. A117 - B117 - C117 - E117 - G117



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	S Ø 12	S Ø 12,7 (1/2")
A117.280.R	B117.280.R	C117.280.R	E117.280.R	G117.280.R

With ball bearing



Z050.008.N



Z051.015.R



nr. 2 - Z054.002.N - 1 mm
nr. 2 - Z054.003.N - 0,5 mm
nr. 5 - Z054.004.N - 0,1 mm
nr. 2 - Z054.005.N - 3 mm

Change the ball bearing to get different cutting depths (see page....)

A117.281.R	B117.281.R	C117.281.R	E117.281.R	G117.281.R
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Without ball bearing



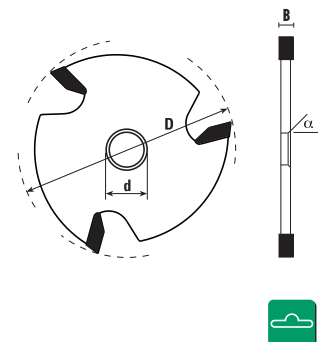
Z051.015.R



nr. 3 - Z054.002.N - 1 mm
nr. 2 - Z054.003.N - 0,5 mm
nr. 6 - Z054.004.N - 0,1 mm
nr. 2 - Z054.005.N - 3 mm
nr. 1 - Z054.006.N - 6 mm

HW SLOT CUTTERS SPECIAL FIXING SCREW

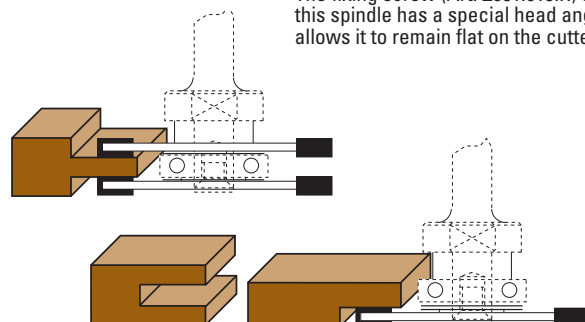
ART. C118



$\alpha = 45^\circ$ bore

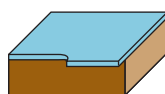
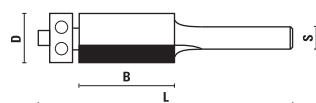
Bore Ø 8	d	D	B	Z
C118.830.R NEW	7,94	47,6	3	3
C118.832.R NEW	7,94	47,6	3,2	3
C118.840.R NEW	7,94	47,6	4	3
C118.848.R NEW	7,94	47,6	4,8	3
C118.850.R NEW	7,94	47,6	5	3
C118.860.R NEW	7,94	47,6	6	3
C118.864.R NEW	7,94	47,6	6,4	3

The fixing screw (Art. Z051.015.R) used on this spindle has a special head angle that allows it to remain flat on the cutter level.



HW TRIMMING BITS WITH BALL BEARING Z=2

ART. A119 - B119 - C119



Ideal for working laminated panels

S Ø 6	S Ø 6,4 (1/4")	D	B	L
A119.064.R	B119.064.R	6,4	13	53



Z050.017.N



Z051.006.N

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
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A119.095.R	B119.095.R	C119.095.R	9,5	13	54
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Z050.002.N



Z053.002.N



Z054.002.N



Z051.002.R

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
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A119.127.R	B119.127.R	C119.127.R	12,7	13	60
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Z050.002.N



Z053.002.N



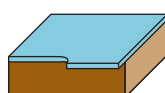
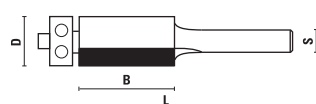
Z054.002.N



Z051.002.R

HW TRIMMING BITS WITH BALL BEARING Z=2

ART. A119 - B119 - C119



- Ideal for working laminated panels
- Shear angle cutting edge

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
A119.160.R	B119.160.R	C119.160.R	16	16	56



Z050.004.N



Z053.004.N



Z054.002.N



Z051.002.R

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
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A119.190.R	B119.190.R	C119.190.R	19	16	60
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A119.191.R	B119.191.R	C119.191.R	19	25	72
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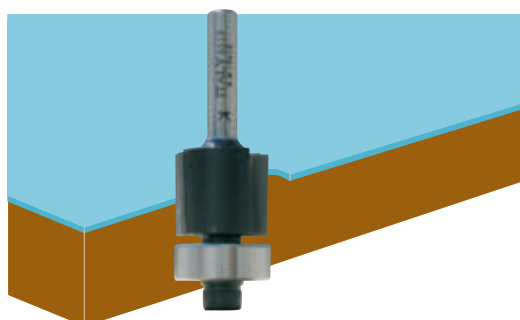
Z050.005.N



Z053.002.N

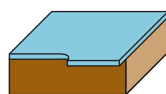
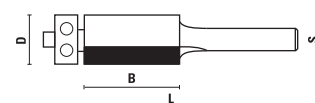


Z051.004.R



HW TRIMMING BITS WITH BALL BEARING Z=2

ART. A120 - B120 - C120



Ideal for working laminated panels

S Ø 6	S Ø 6,4 (1/4")	D	B	L
A120.064.R	B120.064.R	6,4	25	67



Z050.017.N



Z051.006.N

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
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A120.095.R	B120.095.R	C120.095.R	9,5	25	67
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Z050.002.N



Z053.002.N



Z054.002.N



Z051.002.R

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	L
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A120.127.R	B120.127.R	C120.127.R	12,7	25	67
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Z050.003.N



Z053.003.N



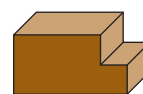
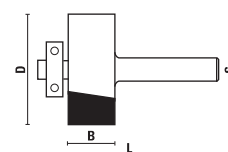
Z054.002.N



Z051.002.R

HW RABBETING BITS WITH BALL BEARING Z=2

ART. A121 - B121 - C121



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	E	L
A121.240.R	B121.240.R	C121.240.R	24	13	4	54



Z050.011.N



Z054.003.N



Z051.004.N

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	B	E	L
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A121.317.R	B121.317.R	C121.317.R	31,7	13	9,5	51
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A121.350.R	B121.350.R	C121.350.R	35	13	11	51
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Z050.003.N



Z053.003.N



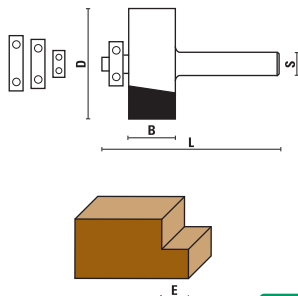
Z054.002.N



Z051.002.R

HW RABBETING BITS WITH BALL BEARING Z=2

ART. A121 - B121 - C121

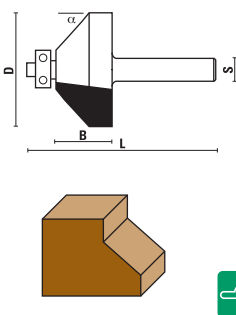


Supplied with nr. 4 ball bearings in order to obtain E= 8 - 9,5 - 11 - 12,7

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	E	L
A121.850.R	B121.850.R	C121.850.R	35	13	8/9,5/11/12,7	51
						
E=8 Z050.023.N	E=9,5 Z050.022.N	E=11 Z050.003.N	E=12,7 Z050.002.N			

HW LEVEL TRIM BITS WITH BALL BEARING Z=2

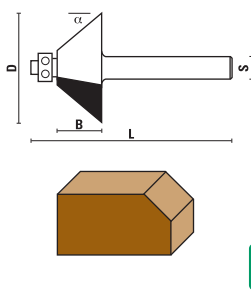
ART. A122



S Ø 6	S Ø 8	D	α	B	L
A122.350.R	B122.350.R	35	45°	18	57
					
Z050.003.N	Z053.003.N	Z054.002.N	Z051.002.R		

HW LEVEL TRIM BITS WITH BALL BEARING GUIDE Z=2

ART. A122 - B122 - C122

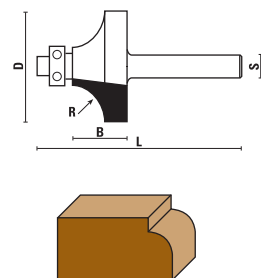


S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	α	B	L	Z
A122.010.R	B122.010.R		17,5	10°	10	49	3
A122.015.R	B122.015.R	C122.015.R	19	15°	10	49	3
A122.025.R	B122.025.R	C122.025.R	22	25°	10	49	3
A122.045.R	B122.045.R	C122.045.R	30	45°	10	49	3
							
Z050.004.N	Z053.004.N	Z054.002.N	Z051.002.R				

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	α	B	L	Z
A122.130.R	B122.130.R		13	15°	12,7	46	2
A122.190.R	B122.190.R		19	25°	12,7	46	2
A122.317.R	B122.317.R	C122.317.R	31,7	45°	13	51	2
							
Z050.001.N	Z053.001.N	Z054.001.N	Z051.001.R				

HW CORNER ROUNDING BITS WITH BALL BEARING Z=2

ART. A123 - B123 - C123

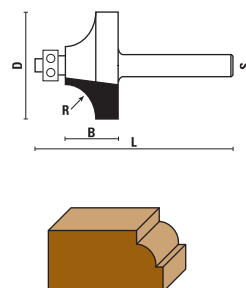


S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A123.160.R	B123.160.R	C123.160.R	16	1,6	8	46
A123.167.R		C123.167.R	16,7	2	8	47
A123.187.R		C123.187.R	18,7	3	9,5	49
A123.190.R	B123.190.R	C123.190.R	19	3,2	10	48
A123.207.R	B123.207.R	C123.207.R	20,7	4	10	49
A123.222.R	B123.222.R	C123.222.R	22,2	4,8	13	51
A123.227.R		C123.227.R	22,7	5	12	51
A123.247.R		C123.247.R	24,7	6	12	51
A123.254.R	B123.254.R	C123.254.R	25,4	6,4	13	51
A123.286.R	B123.286.R	C123.286.R	28,6	8	13	51
A123.318.R	B123.318.R	C123.318.R	31,8	9,5	16	56
A123.327.R		C123.327.R	32,7	10	16	55
A123.354.R	B123.354.R	C123.354.R	35,4	11	17	57
A123.367.R		C123.367.R	36,7	12	20	57
A123.380.R	B123.380.R	C123.380.R	38	12,7	19	57
						
Z050.003.N	Z053.003.N	Z054.002.N	Z051.002.R			

Corner rounding bits sets in wooden case see page 1.34

HW BEADING BITS WITH BALL BEARING GUIDE Z=2

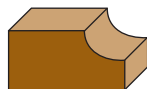
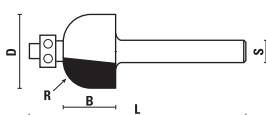
ART. A124 - B124 - C124



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A124.160.R	B124.160.R	C124.160.R	16	1,6	8	46
A124.167.R		C124.167.R	16,7	2	8	47
A124.187.R		C124.187.R	18,7	3	9,5	49
A124.190.R	B124.190.R	C124.190.R	19	3,2	10	48
A124.207.R	B124.207.R	C124.207.R	20,7	4	10	49
A124.222.R	B124.222.R	C124.222.R	22,2	4,8	13	51
A124.227.R		C124.227.R	22,7	5	12	51
A124.247.R		C124.247.R	24,7	6	12	51
A124.254.R	B124.254.R	C124.254.R	25,4	6,4	13	51
A124.286.R	B124.286.R	C124.286.R	28,6	8	13	51
A124.318.R	B124.318.R	C124.318.R	31,8	9,5	16	56
A124.327.R		C124.327.R	32,7	10	16	55
A124.367.R		C124.367.R	36,7	12	20	57
A124.380.R	B124.380.R	C124.380.R	38	12,7	19	57
						
Z050.002.N	Z053.002.N	Z054.002.N	Z051.002.R			

HW COVER BITS WITH BALL BEARING GUIDE Z=2

ART. A125 - B125 - C125



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A125.160.R	B125.160.R	C125.160.R	16	3,2	13	51
A125.190.R	B125.190.R	C125.190.R	19	4,8	14	51
A125.222.R	B125.222.R	C125.222.R	22,2	6,4	14	51
A125.254.R	B125.254.R	C125.254.R	25,4	8	14	51
A125.286.R	B125.286.R	C125.286.R	28,6	9,5	14	51
A125.350.R	B125.350.R	C125.350.R	35	12,7	16	54



Z050.001.N



Z053.001.N



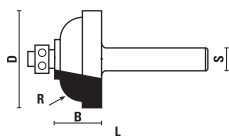
Z054.001.N



Z051.001.R

HW CLASSICAL COVER BITS WITH BALL BEARING GUIDE Z=2

ART. A126 - B126 - C126



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A126.286.R	B126.286.R	C126.286.R	28,6	4,8	13	51
A126.350.R	B126.350.R	C126.350.R	35	8	16	54



Z050.003.N



Z053.003.N



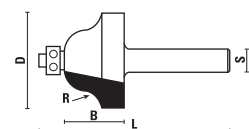
Z054.002.N



Z051.002.R

HW ROMAN OGEE BITS WITH BALL BEARING GUIDE Z=2

ART. A127 - B127 - C127



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A127.254.R	B127.254.R	C127.254.R	25,4	4	16	54
A127.350.R	B127.350.R	C127.350.R	35	6,4	20	57



Z050.001.N



Z053.001.N



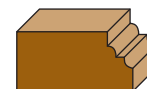
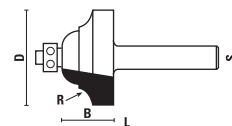
Z054.001.N



Z051.001.R

HW DOUBLE ROMAN OGEE BITS Z=2

ART. A128 - B128 - C128



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A128.254.R	B128.254.R	C128.254.R	25,4	4	16	53
A128.350.R	B128.350.R	C128.350.R	35	6,4	20	57



Z050.001.N



Z053.001.N



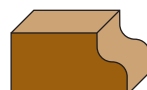
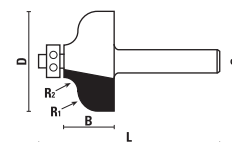
Z054.001.N



Z051.001.R

HW OGEE BITS WITH BALL BEARING GUIDE Z=2

ART. A129 - B129 - C129



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R1	R2	B	L
A129.286.R	B129.286.R	C129.286.R	28,6	4,5	4	13	51
A129.350.R	B129.350.R	C129.350.R	35	6	5	18	55



Z050.003.N



Z053.003.N



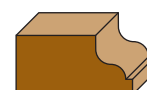
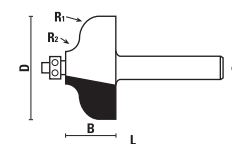
Z054.002.N



Z051.002.R

HW OGEE BITS WITH BALL BEARING GUIDE Z=2

ART. A130 - B130 - C130



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R1	R2	B	L
A130.286.R	B130.286.R	C130.286.R	28,6	4,5	4	13	51
A130.350.R	B130.350.R	C130.350.R	35	6	5	18	55



Z050.002.N



Z053.002.N



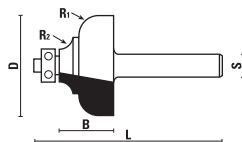
Z054.002.N



Z051.002.R

HW OGEE BITS WITH BALL BEARING GUIDE Z=2

ART. A131 - B131 - C131



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R1	R2	B	L
A131.286.R	B131.286.R	C131.286.R	28,6	4	4	13	51
A131.350.R	B131.350.R	C131.350.R	35	6,4	4,8	18	56



Z050.003.N



Z053.003.N



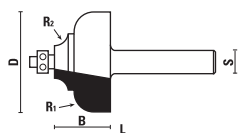
Z054.002.N



Z051.002.R

HW OGEE BITS WITH BALL BEARING GUIDE Z=2

ART. A132 - B132 - C132



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R1	R2	B	L
A132.286.R	B132.286.R	C132.286.R	28,6	4	4	13	51
A132.350.R	B132.350.R	C132.350.R	35	6,4	4,8	18	56



Z050.002.N



Z053.002.N



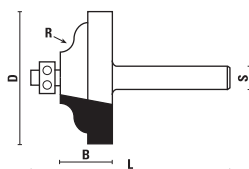
Z054.002.N



Z051.002.R

HW OGEE BITS WITH BALL BEARING GUIDE Z=2

ART. A133 - B133 - C133



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A133.350.R	B133.350.R	C133.350.R	35	4	14	52



Z050.002.N



Z053.002.N



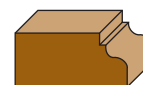
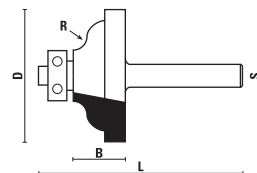
Z054.002.N



Z051.002.R

HW OGEE BITS WITH BALL BEARING GUIDE Z=2

ART. A134 - B134 - C134



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A134.350.R	B134.350.R	C134.350.R	35	4	14	52



Z050.003.N



Z053.003.N



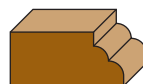
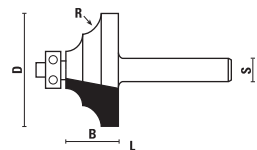
Z054.002.N



Z051.002.R

HW CLASSICAL MOULDING BITS WITH BALL BEARING GUIDE Z=2

ART. A135 - B135 - C135



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A135.286.R	B135.286.R	C135.286.R	28,6	4	13	51
A135.350.R	B135.350.R	C135.350.R	35	5,5	18	60



Z050.003.N



Z053.003.N



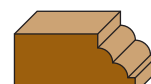
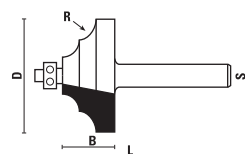
Z054.002.N



Z051.002.R

HW CLASSICAL MOULDING BITS WITH BALL BEARING GUIDE Z=2

ART. A136 - B136 - C136



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A136.286.R	B136.286.R	C136.286.R	28,6	4	13	51
A136.350.R	B136.350.R	C136.350.R	35	5,5	18	60



Z050.002.N



Z053.002.N



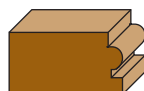
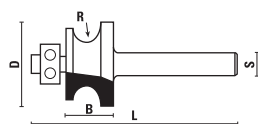
Z054.002.N



Z051.002.R

HW CORNER BEADING BITS WITH BALL BEARING GUIDE Z=2

ART. A137 - B137 - C137

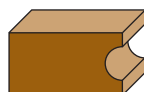
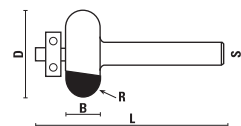


S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A137.220.R	B137.220.R	C137.220.R	22	3,2	14	54
Z050.003.N	Z053.003.N	Z054.002.N	Z051.002.R			

S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A137.280.R	B137.280.R	C137.280.R	28	4,8	16	57
A137.320.R	B137.320.R	C137.320.R	32	6,4	19	58
Z050.004.N	Z053.004.N	Z054.002.N	Z051.002.R			

HW EDGE-FLUTING BITS WITH BALL BEARING GUIDE Z=2

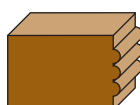
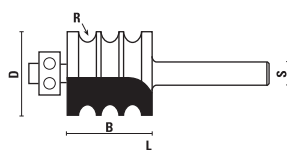
ART. A138 - B138



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A138.210.R	B138.210.R	21	4	8	47
A138.230.R	B138.230.R	23	5	10	49
A138.250.R	B138.250.R	25	6	12	51
Z050.003.N	Z053.003.N	Z054.002.N	Z051.002.R		

HW MULTI-BEADING BITS WITH BALL BEARING GUIDE Z=2

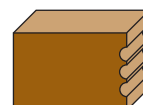
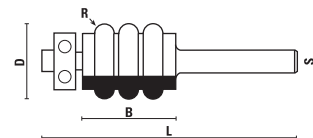
ART. A139 - B139



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A139.220.R	B139.220.R	22	3	25	65
Z050.004.N	Z053.004.N	Z054.002.N	Z051.002.R		

HW MULTI-BEADING BITS WITH BALL BEARING GUIDE Z=2

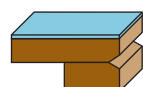
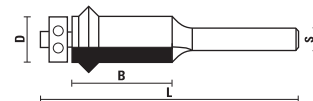
ART. A140 - B140



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A140.220.R	B140.220.R	22	3	25	64
Z050.004.N	Z053.004.N	Z054.002.N	Z051.002.R		

HW FLUSH-TRIM "V" GROOVE BITS WITH BALL BEARING GUIDE Z=2

ART. A141 - B141

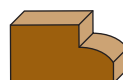
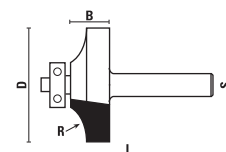


- Ideal for working laminated and melamine panels
- V-decor along the joints of the two wood pieces

S Ø 6	S Ø 6,4 (1/4")	D	B	L
A141.127.R	B141.127.R	12,7	25,4	67
Z050.003.N	Z053.003.N	Z054.002.N	Z051.002.R	

HW FLAT ROUNDING OVER BITS WITH BALL BEARING GUIDE Z=2

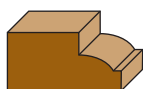
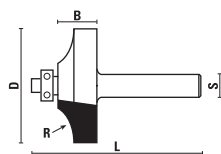
ART. A142 - B142 - C142



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A142.300.R	B142.300.R	C142.300.R	30	12	10	48
Z050.003.N	Z053.003.N	Z054.002.N	Z051.002.R			

HW FLAT ROUNDING OVER BITS WITH BALL BEARING GUIDE Z=2

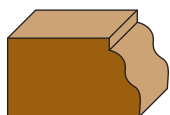
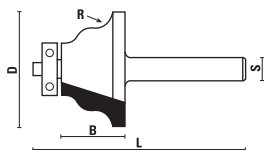
ART. A143 - B143 - C143



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A143.300.R	B143.300.R	C143.300.R	30	12	10	48
						
Z050.002.N	Z053.002.N	Z054.002.N	Z051.002.R			

HW PROFILE BITS WITH BALL BEARING GUIDE

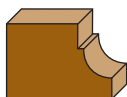
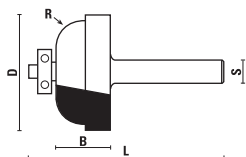
ART. A144 - B144 - C144



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A144.318.R	B144.318.R	31,8	4	17,5	57
					
Z050.003.N	Z053.003.N	Z054.002.N	Z051.002.R		

HW FLAT OGEE BITS WITH BALL BEARING GUIDE Z=2

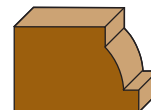
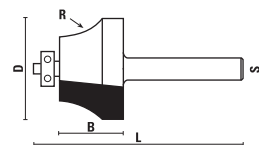
ART. A145 - B145 - C145



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A145.286.R	B145.286.R	C145.286.R	28,6	4,8	13	51
A145.350.R	B145.350.R	C145.350.R	35	8	16	55
						
Z050.003.N	Z053.003.N	Z054.002.N	Z051.002.R			

HW OVOLO JOINT BITS WITH BALL BEARING GUIDE Z=2

ART. A146 - B146 - C146

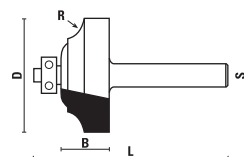


This tool can be used in combination with Art. A175 - B175 - C175

S Ø 6	S Ø 8	D	R	B	L
A146.270.R	C146.270.R selling out	27	17	17	57
A146.335.R	C146.335.R selling out	33,5	9	15	57
					
Z050.002.N	Z053.002.N	Z054.002.N	Z051.002.R		

HW OGEE BITS WITH BALL BEARING GUIDE Z=2

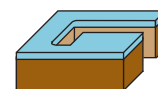
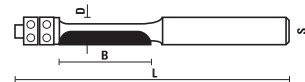
ART. A147 - B147 - C147



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A147.318.R	B147.318.R	C147.318.R	31,8	5	13	51
A147.380.R	B147.380.R	C147.380.R	38	6	16	54
						
Z050.003.N	Z053.003.N	Z054.002.N	Z051.002.R			

HW PANEL PILOT BITS WITH BALL BEARING GUIDE Z=1

ART. A150 - C150

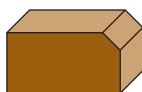
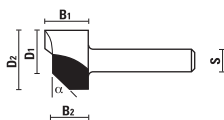


Ideal for working laminated panels

S Ø 6	S Ø 8	D	B	L
A150.064.R	C150.064.R	6,4	19	57
				
Z050.017.N				

HW FLUSH AND BEVEL TRIM BITS Z=2

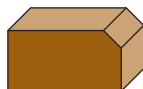
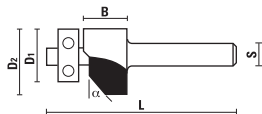
ART. A151 - C151



S Ø 6	S Ø 8	D1	D2	B1	B2	α
A151.200.R	C151.200.R	20	24	15	11	0°/45°

HW FLUSH AND BEVEL TRIM BITS WITH BALL BEARING GUIDE Z=2

ART. A152 - C152



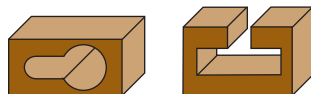
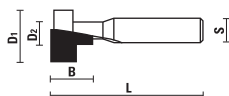
S Ø 6	S Ø 8	D1	D2	B1	B2	α
A152.190.R	C152.190.R	19	26	15	49	0°/45°



Z050.006.N

HW KEYHOLE BITS Z=1

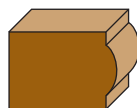
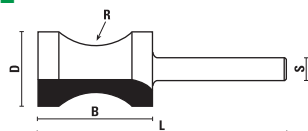
ART. A153



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D1	D2	B	L
A153.098.R	B153.098.R	C153.098.R	9,8	5	9,8	38,1
A153.127.R	B153.127.R	C153.127.R	12,7	8	9,8	38,1

HW CONVEX EDGING BITS Z=2

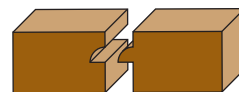
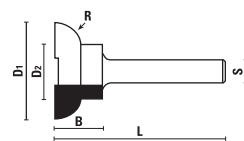
ART. A154



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A154.202.R	B154.202.R	C154.202.R	20,2	18	32	62,6

HW FINGER GRIP BITS Z=2

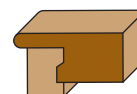
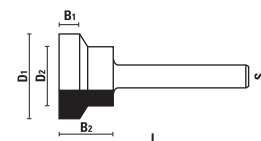
ART. A155 - B155



S Ø 6	S Ø 6,4 (1/4")	D1	D2	R	B	L
A155.280.R	B155.280.R	28	15	6,4	13	41

HW DRAWER LOCK BITS Z=2

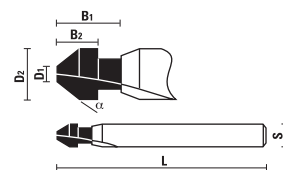
ART. A156 - B156



S Ø 6	S Ø 6,4 (1/4")	D1	D2	B1	B2	L
A156.254.R	B156.254.R	25,4	18,5	4	13	49

HW SEAL PROFILE BITS Z=2

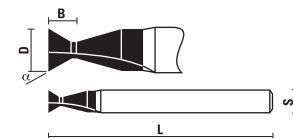
ART. A157



S Ø 6	S Ø 6,4 (1/4")	D2	D1	α	B1	B2	L
A157.055.R	B157.055.R	5,5	2	38°	8	4	65

HW DOVETAIL SEAL BITS Z=2

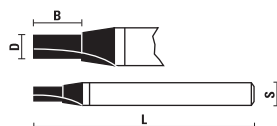
ART. A158



S Ø 6	S Ø 6,4 (1/4")	D	α	B	L
A158.051.R	B158.051.R	5,1	25°	4	60

HW SEAL BITS Z=2

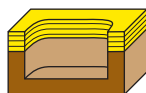
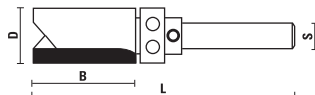
ART. A159 - B159



S Ø 6	S Ø 6,4 (1/4")	D	B	L
A159.030.R	B159.030.R	3	8	55

HW FLUSH TRIM BITS WITH UPPER BALL BEARING GUIDE Z=2

ART. A160 - B160



S Ø 6	S Ø 6,4 (1/4")	D	B	L
A160.127.R	B160.127.R	12,7	25,4	63
A160.128.R	B160.128.R	12,7	32	69



Z050.007.N



Z058.001.N



Z052.005.N



Z051.005.R

S Ø 6	S Ø 6,4 (1/4")	D	B	L
A160.160.R	B160.160.R	16	25,4	63



Z050.011.N



Z058.001.N



Z052.005.N



Z051.005.R

S Ø 6	S Ø 6,4 (1/4")	D	B	L
A160.190.R	B160.190.R	19	25,4	63



Z050.005.N



Z058.001.N



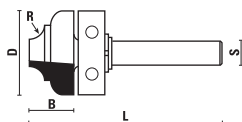
Z052.005.N



Z051.005.R

HW FLUSH TRIM BITS WITH UPPER BALL BEARING GUIDE Z=2

ART. A161 - B161



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A161.220.R	B161.220.R	22	3,5	11	51



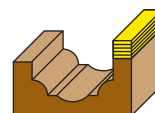
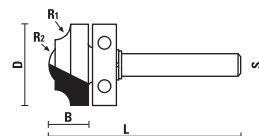
Z050.008.N



DIN 471-15

HW FLUSH TRIM BITS WITH UPPER BALL BEARING GUIDE Z=2

ART. A162 - B162



S Ø 6	S Ø 6,4 (1/4")	D	R1	R2	B	L
A162.220.R	B162.220.R	22	4	5,5	12	51



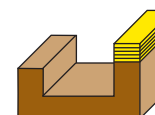
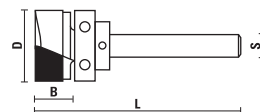
Z050.008.N



DIN 471-15

HW FLUSH TRIM BITS WITH UPPER BALL BEARING GUIDE Z=2

ART. A163 - B163



If shank Ø8 mm is needed, use sleeves Art. Z010 see page 10.03

S Ø 6	S Ø 6,4 (1/4")	D	B	L
A163.190.R	B163.190.R	19	11	56



Z050.005.N



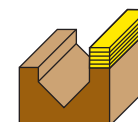
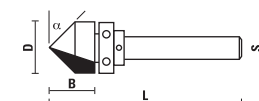
Z058.001.N



Z051.005.R

HW GROOVE BITS WITH UPPER BALL BEARING GUIDE Z=2

ART. A164 - B164



S Ø 6	S Ø 6,4 (1/4")	D	α	B	L
A164.127.R	B164.127.R	12,7	45°	13	51



Z050.007.N



Z058.001.N



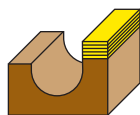
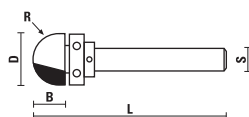
Z052.005.N



Z051.005.R

HW FLUSH TRIM BITS WITH UPPER BALL BEARING GUIDE Z=2

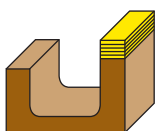
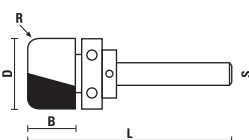
ART. A165 - C165



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A165.127.R	B165.127.R	12,7	6,4	9,5	51
					
Z050.007.N	Z058.001.N	Z051.005.R			

HW FLUSH TRIM BITS WITH UPPER BALL BEARING GUIDE Z=2

ART. A166 - C166

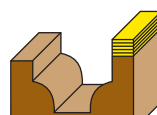
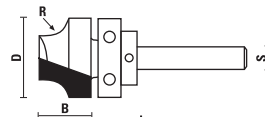


S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A166.127.R	B166.127.R	12,7	3,2	13	54
					
Z050.007.N	Z058.001.N	Z051.005.R			

S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A166.190.R	B166.190.R	19	6,4	16	59
					
Z050.005.N	Z058.001.N	Z051.005.R			

HW FLUSH TRIM BITS WITH UPPER BALL BEARING GUIDE Z=2

ART. A167 - C167



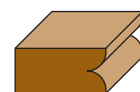
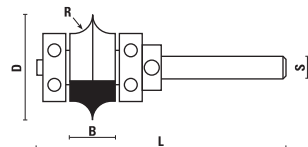
S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A167.127.R	B167.127.R	12,7	3	9,5	48
					
Z050.007.N	Z058.001.N	Z051.005.R			

S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A167.220.R	B167.220.R	22	5	12	55
					
Z050.008.N	Z058.001.N	Z051.005.R			

S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A167.286.R	B167.286.R	28,6	8	15	58
					
Z050.015.N	Z058.003.N	Z051.005.R			

HW "LEAF-EDGE" BEADING BITS WITH DOUBLE BALL BEARING GUIDE Z=2

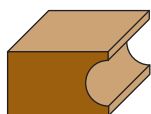
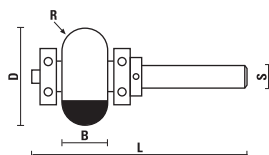
ART. A168 - B168



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A168.254.R	B168.254.R	25,4	4,8	13	66
A168.286.R	B168.286.R	28,6	6,4	16	69
					
Z050.011.N	Z058.001.N	Z053.002.N			
					
Z051.004.R	Z051.005.R				

HW "EDGE-FLUTING" BITS WITH DOUBLE BALL BEARING GUIDE Z=2

ART. A169 - B169



S Ø 6	S Ø 6,4 (1/4")	D	R	B	L
A169.190.R	B169.190.R	19	3,2	6,4	57
A169.230.R	B169.230.R	23	5	10	61



Z050.007.N
upper



Z058.001.N



Z051.005.R



Z050.003.N
lower



Z053.003.N



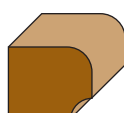
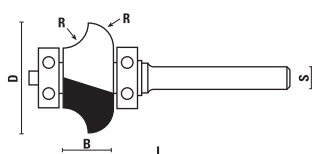
Z054.002.R



Z051.002.R

HW RADIUS BITS WITH DOUBLE BALL BEARING GUIDE Z=2

ART. A170 - B170 - C170



Patent

S Ø 6	S Ø 8	D	R	B	L
A170.285.R*	C170.285.R*	28,5	6,4	14	66
A170.320.R*	C170.320.R*	32	8	17	69
A170.350.R*	C170.350.R*	35	9,5	20	72

* selling out



Z050.018.N



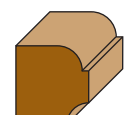
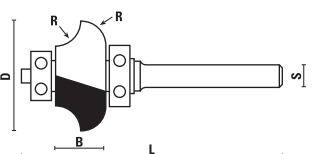
Z058.001.N



Z051.005.R

HW RADIUS BITS WITH DOUBLE BALL BEARING GUIDE Z=2

ART. A171 - B171 - C171



Patent

S Ø 6	S Ø 8	D	R	B	L
A171.285.R*	C171.285.R*	28,5	6,4	14	66
A171.320.R*	C171.320.R*	32	8	17	69
A171.350.R*	C171.350.R*	35	9,5	20	72

* selling out



Z050.019.N



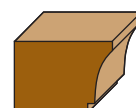
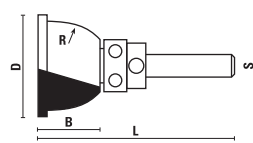
Z058.001.N



Z051.005.R

HW OVOLO RADIUS BITS WITH BALL BEARING GUIDE Z=2

ART. A175 - B175



This tool can be used in combination with Art. A146 - B146 - C146

S Ø 6	D	R	B	L
A175.300.R selling out	30	17	16	52
A175.360.R selling out	36	9	12	52



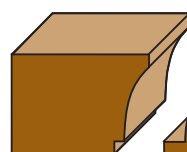
Z050.007.N



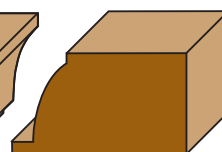
Z058.001.N



Z051.005.R



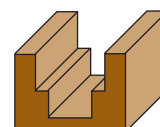
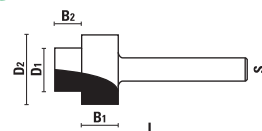
art. A175



art. A146

HW DOUBLE DIAMETER BITS Z=2

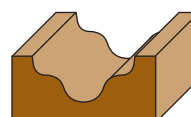
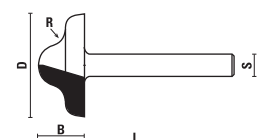
ART. A180 - B180



S Ø 6	S Ø 6,4 (1/4")	D1	D2	B1	B2	L
A180.095.R	B180.095.R	9,5	19	12,7	6,4	48
A180.127.R	B180.127.R	12,7	19	9,5	6,4	51

HW DOUBLE RADIUS BITS Z=2

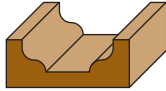
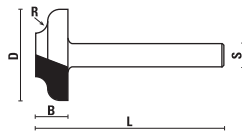
ART. A181 - B181 - C181



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A181.270.R	B181.270.R	C181.270.R	27	6	12	52

HW DOUBLE RADIUS BITS Z=2

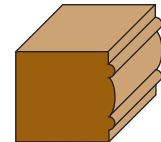
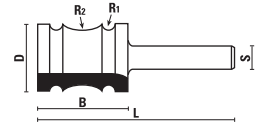
ART. A182 - B182 - C182



S Ø 6	S Ø 6,4 (1/4")	S Ø 8	D	R	B	L
A182.254.R	B182.254.R	C182.254.R	25,4	3,2	9,5	50

HW MULTI RADIUS BITS Z=2

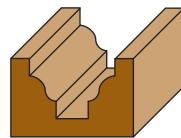
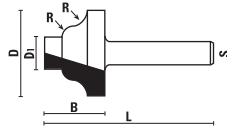
ART. A191 - C191



S Ø 6	S Ø 6,4 (1/4")	D	R1	R2	B	L
A191.190.R	B191.190.R	19	2	6	25	55

HW DOUBLE RADIUS BITS Z=2

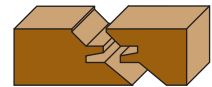
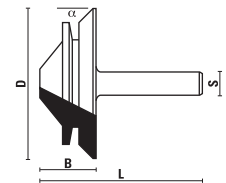
ART. A185 - B185



S Ø 6	S Ø 6,4 (1/4")	D	D1	R	B	L
A185.210.R	B185.210.R	21	8	3,2	13	42
A185.250.R	B185.250.R	25	8	4	17	45

HW 45 DEGREE LOCK MITRE JOINT BITS Z=2

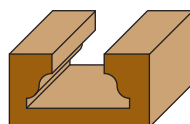
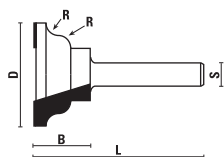
ART. A195 - C195



S Ø 6	S Ø 6,4 (1/4")	D	α	B	L
A195.380.R	B195.380.R	38	45°	13	41
A195.420.R	B195.420.R	42	45°	16	45

HW DOUBLE RADIUS BITS Z=2

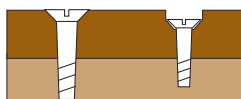
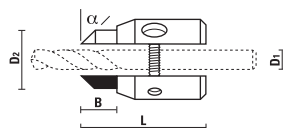
ART. A186 - B186



S Ø 6	S Ø 6,4 (1/4")	D	D1	R	B	L
A186.250.R	B186.250.R	25	12	3,2	13	42
A186.290.R	B186.290.R	29	12	4	17	45

HW ADJUSTABLE COUNTERSINKS FROM 3 mm THROUGH 7 mm

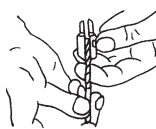
ART. A199



- Spare key supplied; single packed
- On request display free of charge by min order 10 pcs.



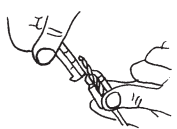
Item	D1	D2	α	B	L
A199.030.R	3/7	11/15	45°	12	32



Insert the tool



Adjust the boring depth



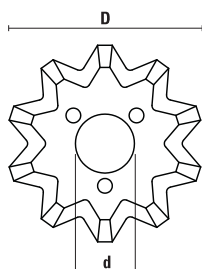
Line up the cutting edges of countersink and tool



Tighten the screws

HS FLUSH TRIMMERS FOR TABLE EDGE BANDING MACHINES

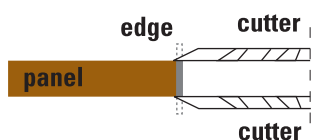
ART. AG



To be used on "VITAP" machines

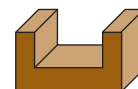
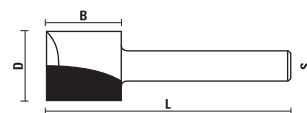


Item	D	d	B	Z
AG040.01012 NEW	40	12	1,1	10



HW PLUNGE TYPE STRAIGHT BITS FOR "ELU"

ART. C190



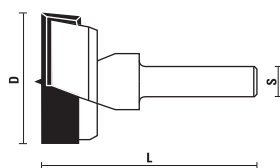
Straight cut plunging

S Ø 8	D	B	L	Z
C190.030.R ▲	3	10	55	2+1
C190.040.R ▲	4	12	55	2+1
C190.050.R ▲	5	14	55	2+1
C190.060.R ▲	6	16	55	2+1
C190.070.R ▲	7	18	55	2+1
C190.080.R ▲	8	20	55	2+1
C190.081.R ▲ NEW	8	40	90	2+1
C190.090.R ▲	9	20	55	2+1
C190.100.R ▲	10	20	55	2+1
C190.101.R NEW	10	30	70	2+1
C190.102.R NEW	10	40	90	2+1
C190.120.R	12	20	60	2+1
C190.121.R	12	20	100	2+1
C190.122.R NEW	12	30	70	2+1
C190.123.R NEW	12	40	90	2+1
C190.140.R	14	20	60	2+1
C190.141.R	14	20	100	2+1
C190.142.R NEW	14	40	90	2+1
C190.150.R	15	20	70	2+1
C190.160.R	16	20	70	2+1
C190.161.R	16	20	100	2+1
C190.162.R	16	40	90	2+1
C190.163.R NEW	16	30	70	2+1
C190.180.R	18	20	70	2+1
C190.181.R NEW	18	30	70	2+1
C190.182.R NEW	18	40	90	2+1
C190.200.R	20	20	70	2+1
C190.201.R	20	20	100	2+1
C190.202.R NEW	20	30	70	2+1
C190.203.R NEW	20	40	90	2+1
C190.220.R	22	16	70	2+1
C190.221.R	22	20	100	2+1
C190.222.R NEW	22	30	70	2+1
C190.223.R NEW	22	40	90	2+1
C190.240.R	24	16	70	2+1
C190.241.R NEW	24	30	70	2+1
C190.250.R	25	16	70	2+1

▲ Solid Carbide

HW BORING BITS

ART. C192



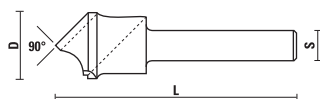
Without spurs



RH Rotation	D	L	S
C192.250.R	25	57	8
C192.260.R	26	57	8
C192.300.R	30	57	8
C192.350.R	35	57	8

HS COUNTERSINKS

ART. C240



S Ø8x30	D	L
C240.160.R	16	55

BUSHINGS

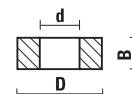
ART. Z001



Item	D	d	L
Z001.001.N	8	6	25
Z001.002.N	9,5	6	25
Z001.003.N	9,5	8	25
Z001.004.N	10	8	25
Z001.005.N	12	8	25
Z001.006.N	12	6	25
Z001.009.N	8	6,4	25
Z001.011.N	10	6	25
Z001.017.N	9,5	6,4	25
Z001.019.N	12,7	8	25
Z001.020.N	12,7	6,4	25

SPACERS

ART. Z057



Item	D	d	B
Z057.001.N	16	7,94	3,6
Z057.002.N	16	7,94	1
Z057.003.N	16	7,94	0,5
Z057.004.N	16	7,94	0,1
Z057.005.N	16	7,94	3
Z057.006.N	16	7,94	6
Z057.007.N	16	7,94	0,4
Z057.008.N	16	7,94	0,05
Z057.009.N	16	7,94	5,3
Z057.010.N	9,5	6,4	2,2
Z057.101.N	10	6	1
Z057.102.N	10	6	1,5
Z057.103.N	10	6	3

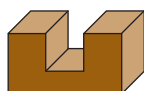
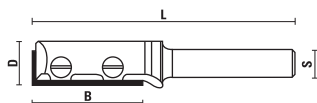
INSERT ROUTER BITS FOR PORTABLE ROUTERS

Always looking for innovative products and most useful solutions, **SISTEMI** has developed a new line of **Klein** router bits with interchangeable carbide knives, which have a higher hardness than the tips used in traditional brazed router bits. The main advantages granted by the use of HM reversible knives and the possibility of their easy replacement are:

- **Longer tool life** ⇒ the knives are getting less worn out and in case of damage they can be easily replaced;
- **Better finish quality** ⇒ also working abrasive materials, the cutting edge can be maintained always sharp;
- **Higher measures precision** ⇒ the dimensions of the tools are not changing because there is no resharpening;
- **Better Quality/Price ratio** ⇒ higher production efficiency, less costs and better performances;

HW INSERT FLUSH TRIMMING BITS Z=1

ART. WC101

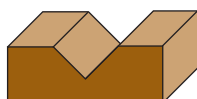
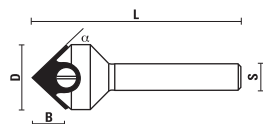


Complete with reversible knives

S Ø 8	D	B	L
WC101.120.R	12	29,5	66
			
Z055.330.N	Z051.501.R		

HW INSERT V-GROOVING BITS Z=1

ART. WC109

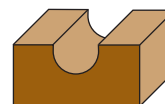
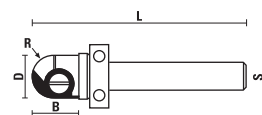


Complete with reversible knives

S Ø 8	D	B	α	L
WC109.176.R	17,6	8,5	45°	53
				
Z055.001.N	Z051.501.R			

HW INSERT CORE BOX BITS WITH UPPER BALL BEARING Z=1

ART. WC111

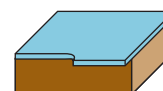
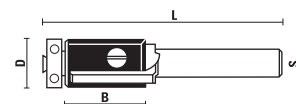


Complete with reversible knives

S Ø 8	D	R	B	L
WC111.127.R	12,7	13	6	59
				
Z050.018.N	Z055.550.N	Z051.501.R		

HW INSERT FLUSH TRIMMING BITS WITH BALL BEARING

ART. WC120

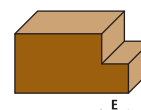
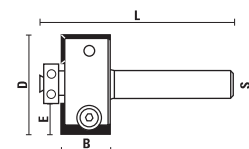


Complete with reversible knives

S Ø 8	D	R	B	L
WC120.127.R	12,7	20	62	2
				
Z050.003.N	Z055.551.N	Z051.503.N Screw for ball bearing	Z051.501.R Screw for knives	

HW INSERT RABBET BITS WITH BALL BEARING Z=2

ART. WC121

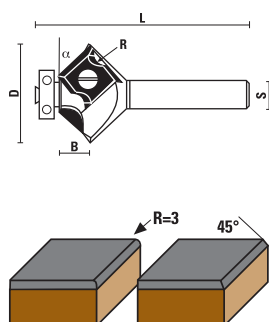


Complete with reversible knives

S Ø 8	D	B	E	L
WC121.286.R	28,6	13,2	7,95	48
				
Z050.002.N	Z055.552.N	Z051.503.N Screw for ball bearing	Z051.501.R Screw for knives	

HW INSERT FLUSH TRIMMING BITS WITH BALL BEARING Z=2

ART. WC122



- Complete with reversible knives
- The same knives can be used for both 45° and R=3 bevel



S Ø 8	D	B	R	α	L
-------	---	---	---	---	---

WC122.273.R 27,3 5,7 3 45° 59



Z050.003.N



Z055.553.N



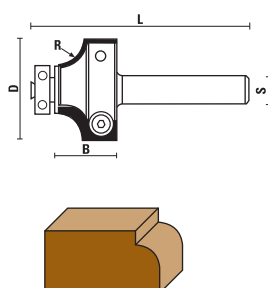
Z051.503.N
Screw for ball bearing



Z051.501.R
Screw for knives

HW INSERT CORNER ROUNDING BITS WITH BALL BEARING Z=2

ART. WC123



Complete with reversible knives



S Ø 8	D	B	R	L
-------	---	---	---	---

WC123.260.R 26 15,7 6 55



Z050.003.N



Z055.554.N



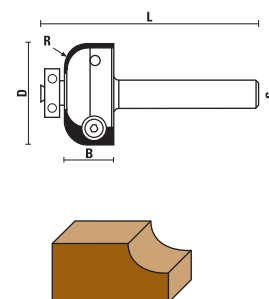
Z051.503.N
Screw for ball bearing



Z051.501.R
Screw for knives

HW INSERT COVER BITS WITH BALL BEARING Z=2

ART. WC125



Complete with reversible knives



S Ø 8	D	B	R	L
-------	---	---	---	---

WC125.260.R 26 12,7 6 55



Z050.003.N



Z055.555.N



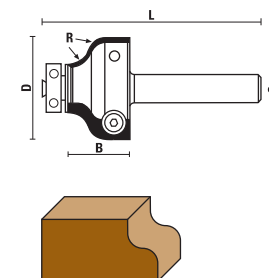
Z051.503.N
Screw for ball bearing



Z051.501.R
Screw for knives

HW INSERT OGEE BITS WITH BALL BEARING Z=2

ART. WC129



Complete with reversible knives



S Ø 8	D	B	R	L
-------	---	---	---	---

WC129.260.R 26 15,7 4,5 55



Z050.003.N



Z055.556.N



Z051.503.N
Screw for ball bearing



Z051.501.R
Screw for knives

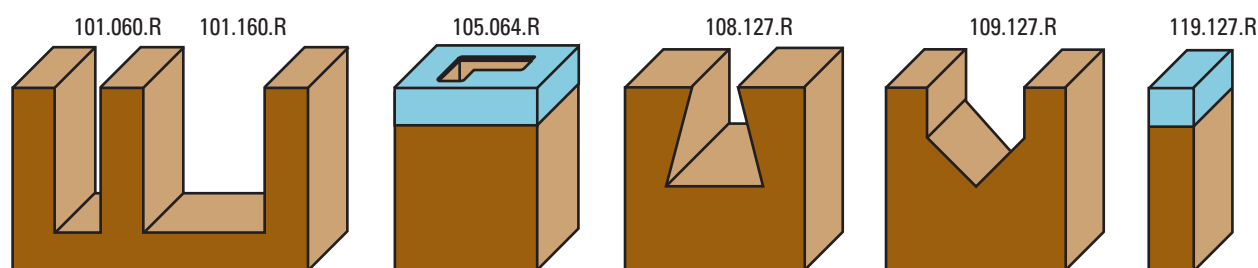
6 PIECE STRAIGHT-DOVETAIL INSERT ROUTER BITS "STARTER SET"

ART. X001



- Set including the 6 most popular T.C.T. router bits in a robust and practical wooden box.
- Ideal to have always on hand the right bit for straight cuts, trimming and engraving.

Item		
X001.006.R (S Ø 6)	X001.064.R (Ø 6,4 (1/4"))	X001.008.R (S Ø 8)
6-pcs router bit set:	6-pcs router bit set:	6-pcs router bit set:
A101.060.R	B101.064.R	C101.060.R
A101.160.R	B101.160.R	C101.160.R
A105.064.R	B105.064.R	C105.064.R
A108.127.R	B108.127.R	C108.127.R
A109.127.R	B109.127.R	C109.127.R
A119.127.R	B119.127.R	C119.127.R



Scale 1:1

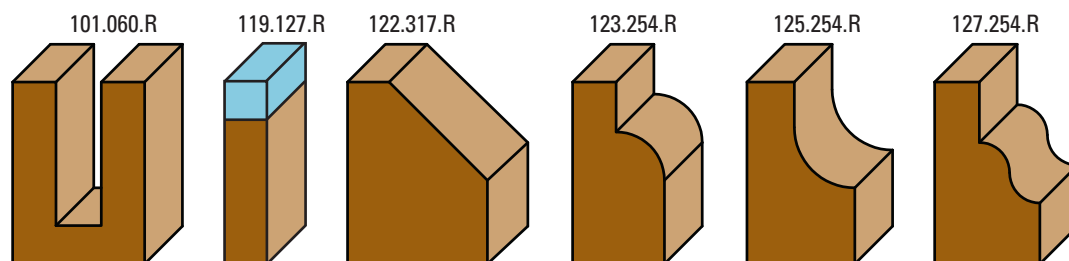
6 PIECE PROFILE INSERT ROUTER BITS "STARTER SET"

ART. X002



- Set including the 6 most popular T.C.T. router bits in a robust and practical wooden box.
- Ideal to have always on hand the right bit for straight cuts, trimming and profiling.

Item		
X002.006.R (S Ø 6)	X002.064.R (Ø 6,4 (1/4"))	X002.008.R (S Ø 8)
6-pcs router bit set:	6-pcs router bit set:	6-pcs router bit set:
A101.060.R	B101.064.R	C101.060.R
A119.127.R	B119.127.R	C119.127.R
A122.317.R	B122.317.R	C122.317.R
A123.254.R	B123.254.R	C123.254.R
A125.254.R	B125.254.R	C125.254.R
A127.254.R	B127.254.R	C127.254.R



Scale 1:1

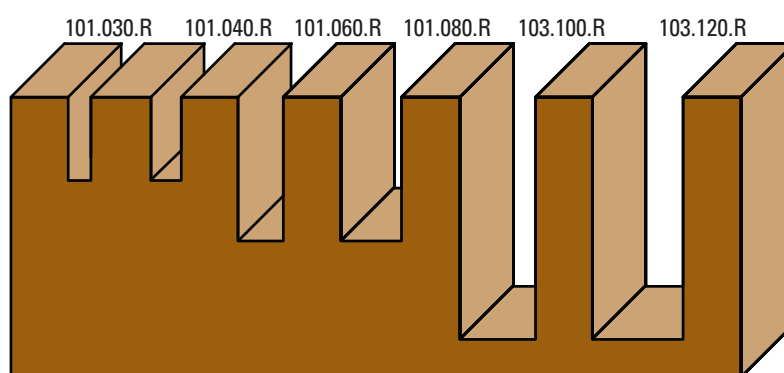
6 PIECE STRAIGHT BITS "STARTER SET"

ART. X003



- Set including the 6 most popular T.C.T. router bits in a robust and practical wooden box.
- Ideal to have always on hand the right bit for straight cuts.

Item		
X003.006.R (S Ø 6) NEW	X003.064.R (Ø 6,4 (1/4")) NEW	X003.008.R (S Ø 8) NEW
6-pcs router bit set:	6-pcs router bit set:	6-pcs router bit set:
A101.030.R	B101.030.R	C101.030.R
A101.040.R	B101.040.R	C101.040.R
A101.060.R	B101.060.R	C101.060.R
A101.080.R	B101.080.R	C101.080.R
A103.100.R	B103.100.R	C103.100.R
A103.120.R	B103.120.R	C103.120.R



Scale 1:1

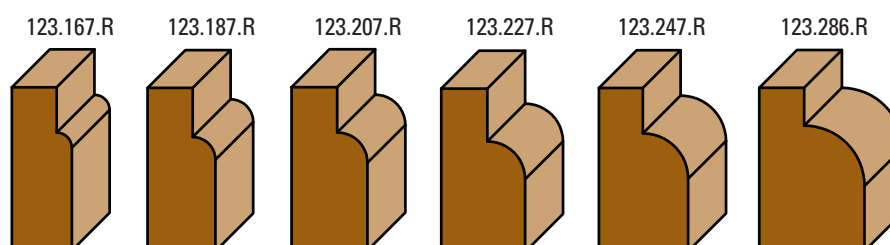
6 PIECE CORNER ROUNDING BITS "STARTER SET"

ART. X011



- Set including the 6 most popular T.C.T. router bits in a robust and practical wooden box.
- Ideal to have always on hand the right bit to produce corner roundings.

Item		
X011.006.R (S Ø 6) NEW	X011.064.R (Ø 6,4 (1/4")) NEW	X011.008.R (S Ø 8) NEW
6-pcs router bit set:	6-pcs router bit set:	6-pcs router bit set:
A123.167.R	B123.167.R	C123.167.R
A123.187.R	B123.187.R	C123.187.R
A123.207.R	B123.207.R	C123.207.R
A123.227.R	B123.227.R	C123.227.R
A123.247.R	B123.247.R	C123.247.R
A123.286.R	B123.286.R	C123.286.R



Scale 1:1

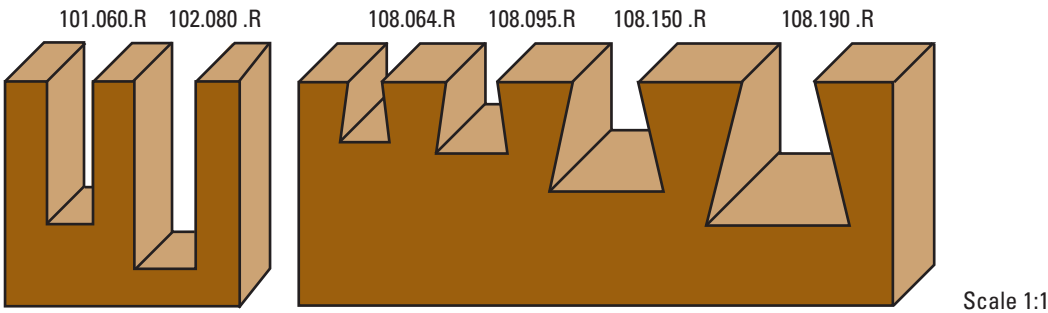
6 PIECE DOVETAIL BITS “STARTER SET”

ART. X012



- Set including the 6 most popular T.C.T. router bits in a robust and practical wooden box.
- Ideal to have the right bit for straight cuts and dovetail joints.

Item		
X012.006.R (S Ø 6) NEW	X012.064.R (Ø 6,4 (1/4")) NEW	X012.008.R (S Ø 8) NEW
6-pcs router bit set:	6-pcs router bit set:	6-pcs router bit set:
A101.060.R	B101.060.R	C101.060.R
A102.080.R	B102.080.R	C102.080.R
A108.064.R	B108.064.R	C108.064.R
A108.095.R	B108.095.R	C108.095.R
A108.150.R	B108.150.R	C108.150.R
A108.190.R	B108.190.R	C108.190.R



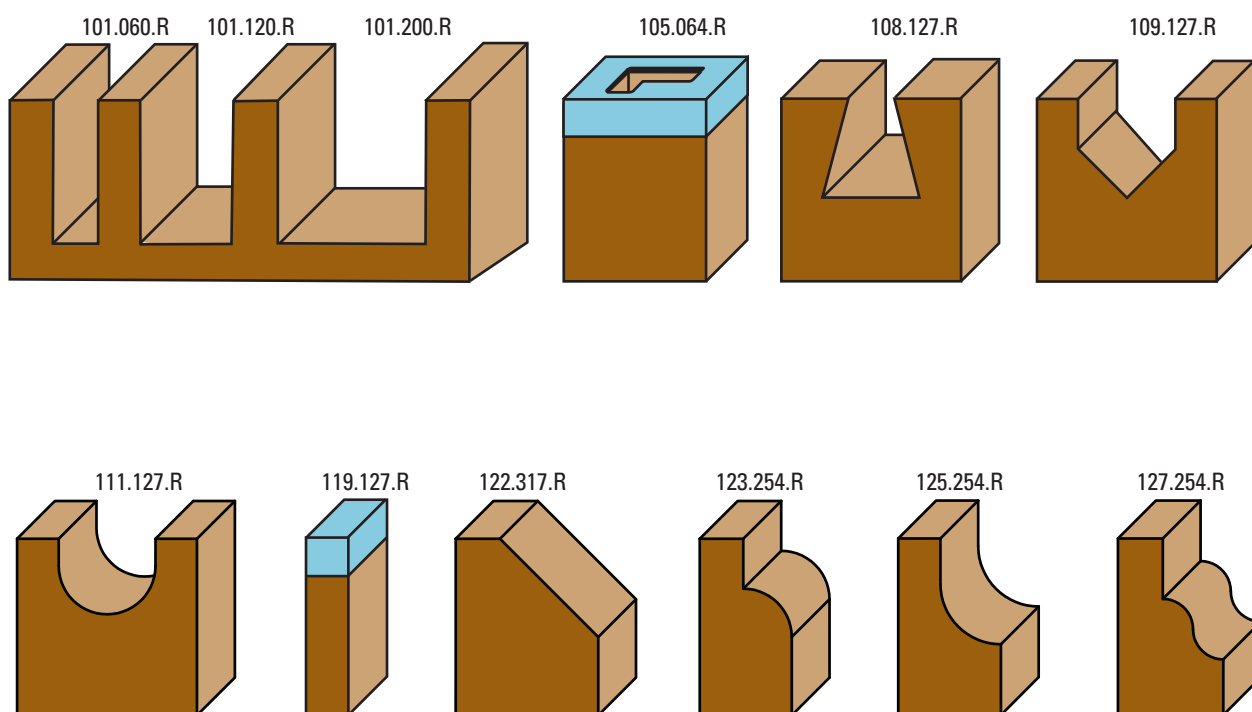
12 PIECE CLASSICAL ROUTER BITS "STARTER SET"

ART. X005



- Set including the 12 most popular T.C.T. router bits in a robust and practical wooden box.
- Ideal to have always on hand the right bit for straight cuts, trimming, engraving and profiling.

Item		
X005.006.R (S Ø 6)	X005.064.R (Ø 6,4 (1/4"))	X005.008.R (S Ø 8)
12-pcs router bit set:	12-pcs router bit set:	12-pcs router bit set:
A101.060.R	B101.064.R	C101.060.R
A101.120.R	B101.127.R	C101.120.R
A101.200.R	B101.190.R	C101.200.R
A105.064.R	B105.064.R	C105.064.R
A108.127.R	B108.127.R	C108.127.R
A109.127.R	B109.127.R	C109.127.R
A111.127.R	B111.127.R	C111.127.R
A119.127.R	B119.127.R	C119.127.R
A122.317.R	B122.317.R	C122.317.R
A123.254.R	B123.254.R	C123.254.R
A125.254.R	B125.254.R	C125.254.R
A127.254.R	B127.254.R	C127.254.R



Scale 1:1

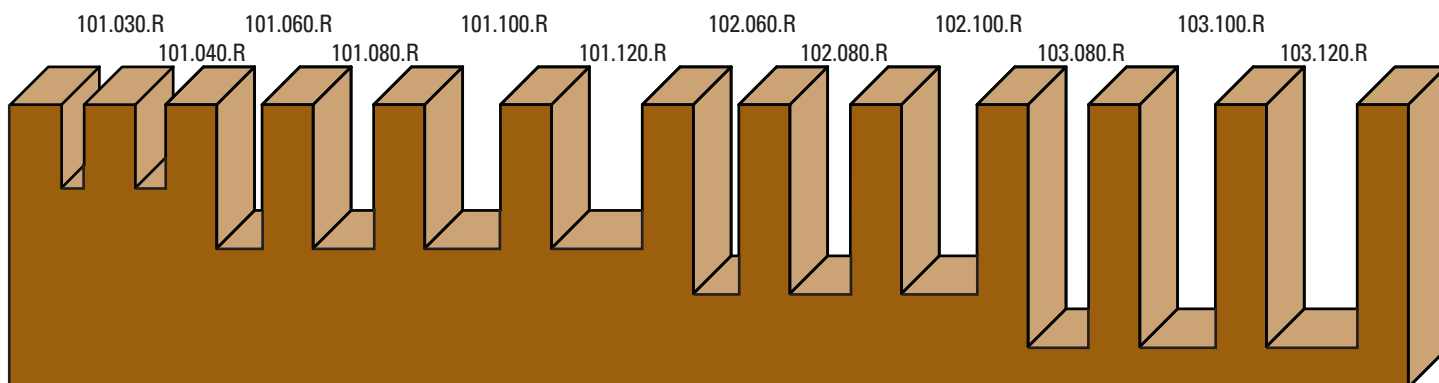
12 PIECE STRAIGHT BITS "ADVANCED SET"

ART. X006



- Set including the 12 most popular T.C.T. router bits in a robust and practical wooden box.
- Ideal to have always on hand the right bit for straight cuts.

Item		
X006.006.R (S Ø 6) NEW	X006.064.R (Ø 6,4 (1/4")) NEW	X006.008.R (S Ø 8) NEW
12-pcs router bit set:	12-pcs router bit set:	12-pcs router bit set:
A101.030.R	B101.030.R	C101.030.R
A101.040.R	B101.040.R	C101.040.R
A101.060.R	B101.060.R	C101.060.R
A101.080.R	B101.080.R	C101.080.R
A101.100.R	B101.100.R	C101.100.R
A101.120.R	B101.120.R	C101.120.R
A102.060.R	B102.060.R	C102.060.R
A102.080.R	B102.080.R	C102.080.R
A102.100.R	B102.100.R	C102.100.R
A103.080.R	B103.080.R	C103.080.R
A103.100.R	B103.100.R	C103.100.R
A103.120.R	B103.120.R	C103.120.R



Scale 1:1

12 PIECE PROFILE INSERT ROUTER BITS "ADVANCED SET"

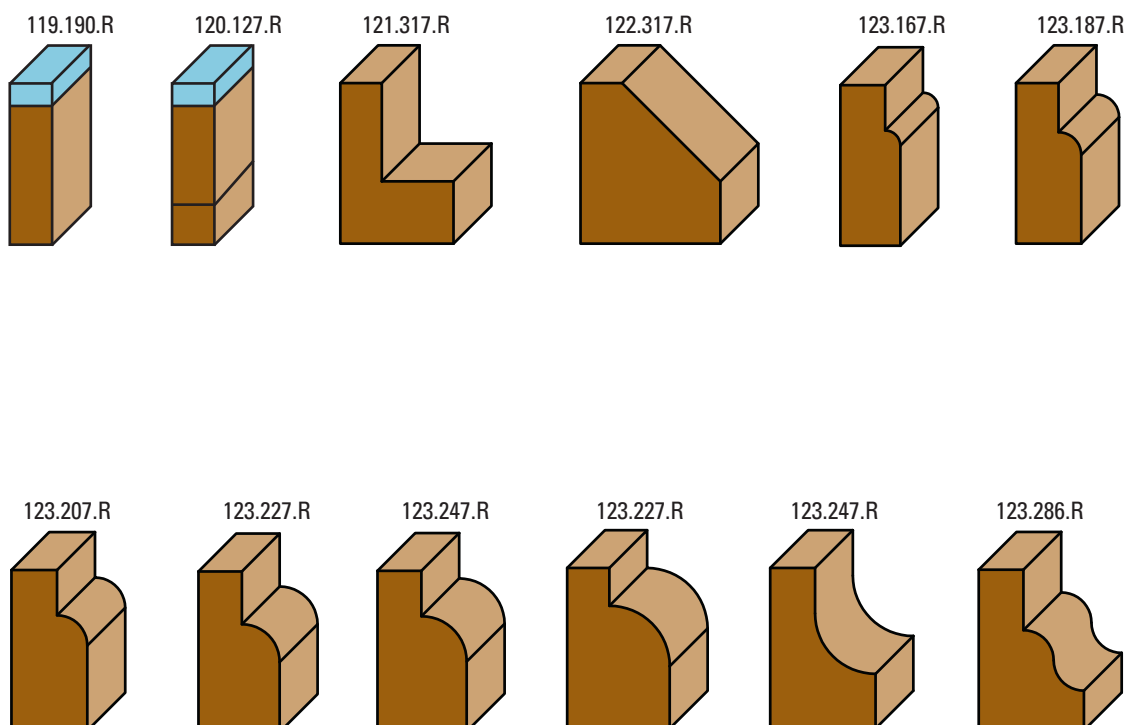
ART. X007



- Set including the 12 most popular T.C.T. router bits in a robust and practical wooden box.

- Ideal to have always on hand the right bit for trimming and profiling.

Item		
X007.006.R (S Ø 6) NEW	X007.064.R (Ø 6,4 (1/4")) NEW	X007.008.R (S Ø 8) NEW
12-pcs router bit set:	12-pcs router bit set:	12-pcs router bit set:
A119.190.R	B119.190.R	C119.190.R
A120.127.R	B120.127.R	C120.127.R
A121.317.R	B121.317.R	C121.317.R
A122.317.R	B122.317.R	C122.317.R
A123.167.R	B123.167.R	C123.167.R
A123.187.R	B123.187.R	C123.187.R
A123.207.R	B123.207.R	C123.207.R
A123.227.R	B123.227.R	C123.227.R
A123.247.R	B123.247.R	C123.247.R
A123.286.R	B123.286.R	C123.286.R
A125.254.R	B125.254.R	C125.254.R
A127.254.R	B127.254.R	C127.254.R



Scale 1:1

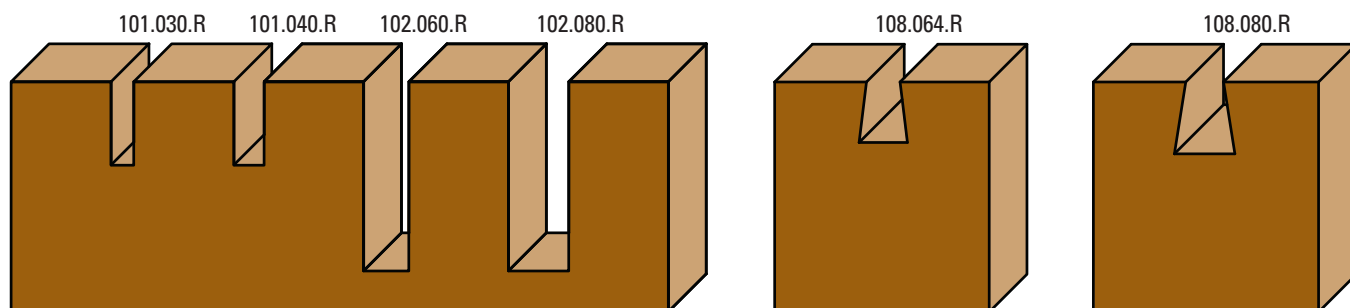
12 PIECE DOVETAIL BITS "ADVANCED SET"

ART. X008

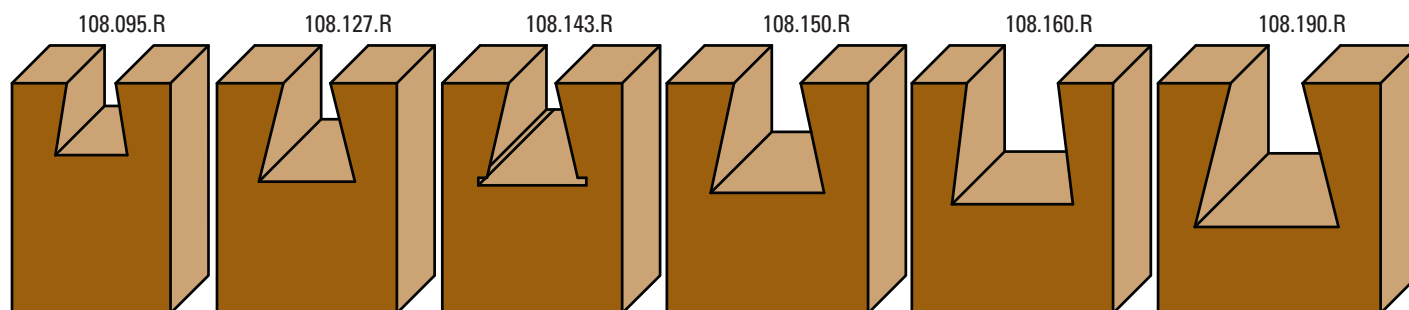


- Set including the 12 most popular T.C.T. router bits in a robust and practical wooden box.
- Ideal to have the right bit for straight cuts and dovetail joints.

Item		
X008.006.R (S Ø 6) NEW	X008.064.R (Ø 6,4 (1/4")) NEW	X008.008.R (S Ø 8) NEW
12-pcs router bit set:	12-pcs router bit set:	12-pcs router bit set:
A101.030.R	B101.030.R	C101.030.R
A101.040.R	B101.040.R	C101.040.R
A102.060.R	B102.060.R	C102.060.R
A102.080.R	B102.080.R	C102.080.R
A108.064.R	B108.064.R	C108.064.R
A108.080.R	B108.080.R	C108.080.R
A108.095.R	B108.095.R	C108.095.R
A108.127.R	B108.127.R	C108.127.R
A108.143.R	B108.143.R	C108.143.R
A108.150.R	B108.150.R	C108.150.R
A108.160.R	B108.160.R	C108.160.R
A108.190.R	B108.190.R	C108.190.R



Scale 1:1



Scale 1:1

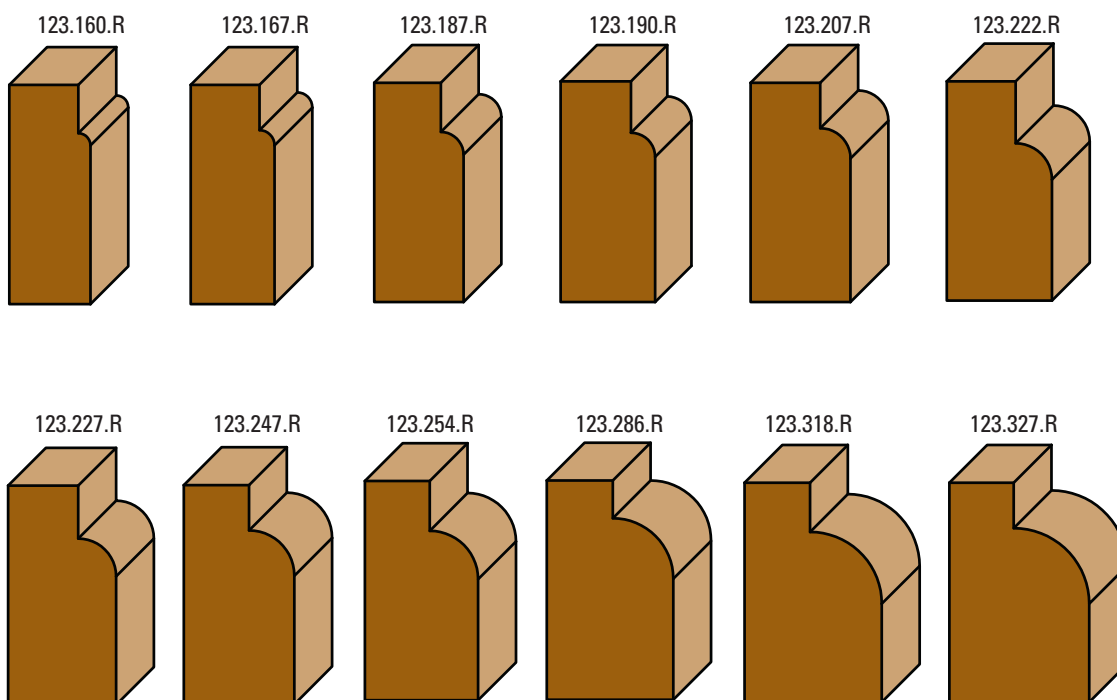
12 PIECE CORNER ROUNDING BITS "ADVANCED SET"

ART. X013



- Set including the 12 most popular T.C.T. router bits in a robust and practical wooden box.
- Ideal to have always on hand the right bit to produce corner roundings.

Item		
X013.006.R (S Ø 6) NEW	X013.064.R (Ø 6,4 (1/4")) NEW	X013.008.R (S Ø 8) NEW
12-pcs router bit set:	12-pcs router bit set:	12-pcs router bit set:
A123.160.R	B123.160.R	C123.160.R
A123.167.R	B123.167.R	C123.167.R
A123.187.R	B123.187.R	C123.187.R
A123.190.R	B123.190.R	C123.190.R
A123.207.R	B123.207.R	C123.207.R
A123.222.R	B123.222.R	C123.222.R
A123.227.R	B123.227.R	C123.227.R
A123.247.R	B123.247.R	C123.247.R
A123.254.R	B123.254.R	C123.254.R
A123.286.R	B123.286.R	C123.286.R
A123.318.R	B123.318.R	C123.318.R
A123.327.R	B123.327.R	C123.327.R



Scale 1:1

6 PIECE INSERT ROUTER BITS "SET"

ART. XWC



- Set including the 6 most popular HW router bits in S=8 in a robust and practical wooden box.
- Ideal to have always on hand the right bit for straight cuts, trimming and engraving.
- Router bits complete with reversible knives

Item

XWC.001.R

6-pcs router bit set:

WC101.120.R

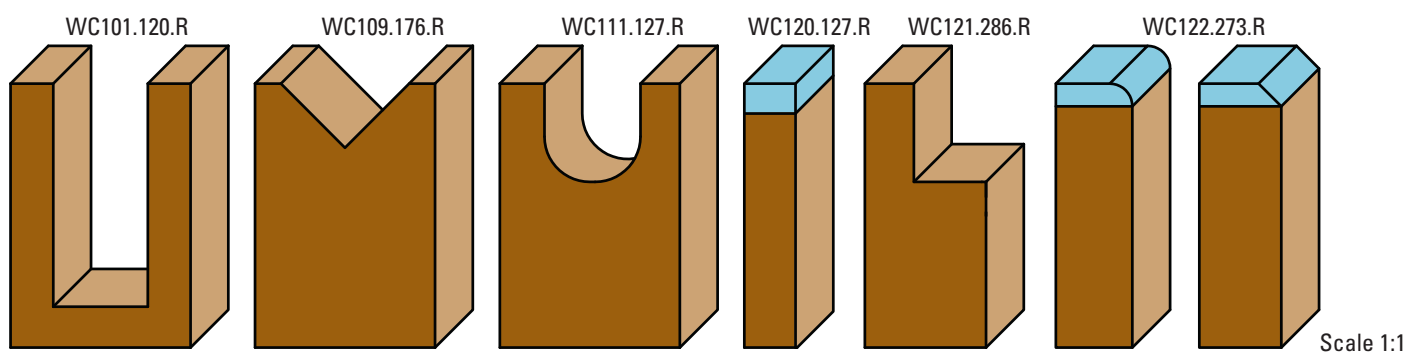
WC109.176.R

WC111.127.R

WC120.127.R

WC121.286.R

WC122.273.R



6 PIECE INSERT ROUTER BITS "SET"

ART. XWC



- Set including the 6 most popular HW router bits in S=8 in a robust and practical wooden box.
- Ideal to have always on hand the right bit for trimming and profiling.
- Router bits complete with reversible knives

Item

XWC.002.R

6-pcs router bit set:

WC120.127.R

WC121.286.R

WC122.273.R

WC123.260.R

WC125.260.R

WC129.260.R

