

DORATO® TOOLS

NEXT LEVEL OF WOOD WORKING

www.dorato.com.tr



Catalog edition 2025

DORATO TOOLS started from 2019 with about 20 years of experience and background of founder in wood working tools and machineries.

DORATO TOOLS goals is providing high quality wood working tools with reasonable prices and good services to the customers in wood industry.

Please check out our new catalog and choose from wide range pf new and practical woodworking tools, from CNC ROUTER BITS, BALL BEARING BITS, SPIRAL ROUTER BITS, SAW BLADES, CNC EQUIPMENTS AND EASY CLAMPS.

For mor accuracy and convenience in choosing the tools, we put the exact size details of tools and 1:1 scale wooden shape in the catalog.

We are always trying to develop our technical knowledge and make investments in research and development, our most important priority is customer satisfaction.

YOUR DORATO TEAM

OUR CHANNELS

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DORATOTOOLS

THE WIDEST TOOLING RANGE CATALOG

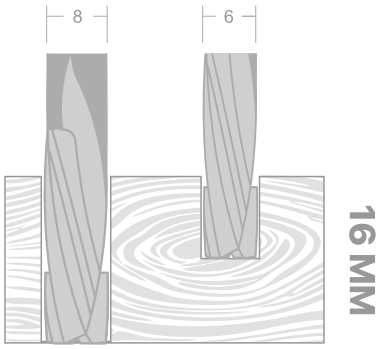
EDITION 2025



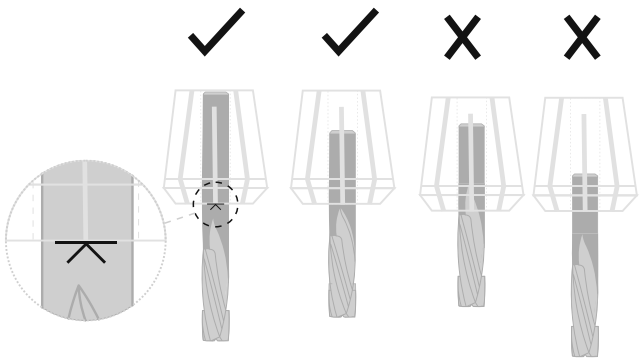
CALCULATE SUITABLE DIAMETER BIT FOR THICKNESS

8 MM BIT OR 6MM (TWO STEPS)

BIT DIAMETER = ½ MATERIAL THICKNESS



PUT IN THE RIGHT PLACE

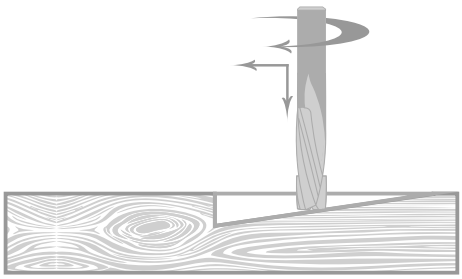


FEED RATE



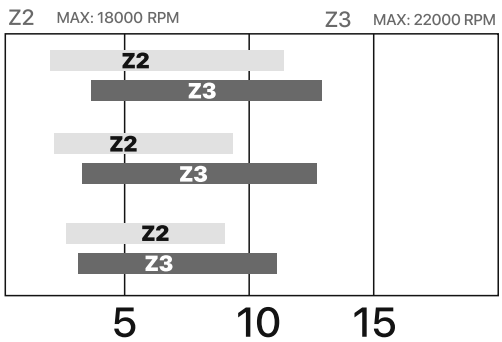
RPM
(ROUND PER MINUTE)





START WITH RAMPING MOVE AND SLOW PLUNGE

MATERIAL	FEED RATE RANGE (M/MIN)
MDF & CHIP BOARD	Z2 Z3
SOFT WOOD	Z2 Z3
HARD WOOD	Z2 Z3



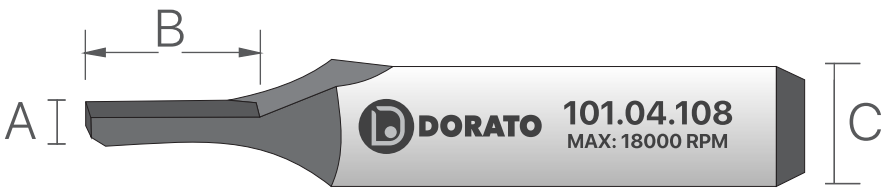



DORATO
TOOLS

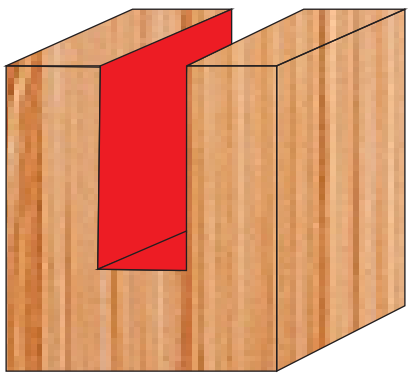
101 Straight Bit — HW/RH

	Code	A mm	B mm	C mm
❶	101.04.108	4	10	8

Z1
MAX: 18000 RPM



SCALE 1:1



Single flute bit should be used where cut speed is more important than cut finish. Making one cut per revolution is faster than making two or three improved chip clearance is possibible with a single flute configuration.

102 Straight Bit — HW/RH

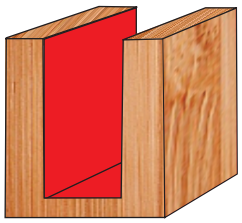


	Code	A mm	B mm	C mm
1	102.06.208	6	20	8
2	102.06.202	6	20	12
3	102.08.208	8	20	8
4	102.08.202	8	20	12
5	102.08.302	8	30	12
6	102.10.202	10	20	12
7	102.10.352	10	35	12
8	102.12.202	12	20	12
9	102.12.382	12	38	12
10	102.12.502	12	50	12





Z2
MAX: 18000 RPM



Straight Bits offer an array of features that exemplify our commitment to top-quality tools: razor-sharp edges, high-strength steel, and premium micrograin carbide.

Engineered to endure even the most demanding working conditions, DORATO bits consistently deliver smooth, precise cuts every time

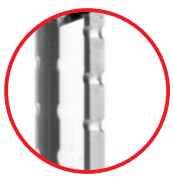
102-C Straight Bit — HW/RH





Z2 CHIP BREAKER
MAX: 18000 RPM

	Code	A mm	B mm	C mm
1	102.06.222-C	6	22	12
2	102.08.222-C	8	22	12

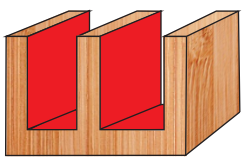


CHIP BREAKER





SCALE 1:1



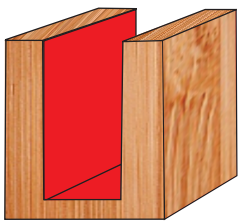
103 Straight Bit — TCT/HW/RH



	Code	A mm	B mm	C mm
1	103.05.202	5	20	12
2	103.06.202	6	20	12
3	103.06.262	6	26	12
4	103.08.202	8	20	12
5	103.08.262	8	26	12
6	103.08.322	8	32	12
7	103.09.252	9	25	12
8	103.09.352	9	35	12
9	103.10.202	10	20	12
10	103.10.352	10	35	12
11	103.10.402	10	40	12



Z3
MAX: 22000 RPM



3 flute straight cutter on grooving, rebating, and mortising for a clean finish when working in abrasive materials such as chipboard, MDF, and plywood. It's suitable for plunging.

103-T Straight Bit — TCT/HW/RH





Z3
TITANIUM COATING
MAX: 22000 RPM

	Code	A mm	B mm	C mm
1	103.05.202-T	5	20	12
2	103.06.202-T	6	20	12
3	103.06.262-T	6	26	12
4	103.08.202-T	8	20	12
5	103.08.262-T	8	26	12
6	103.08.322-T	8	32	12
7	103.09.252-T	9	25	12
8	103.09.352-T	9	35	12
9	103.10.202-T	10	20	12
10	103.10.352-T	10	35	12
11	103.10.402-T	10	40	12

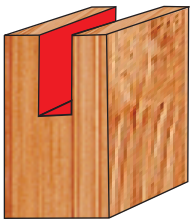


112 Straight Bit — TCT/HW/RH



	Code	A mm	B mm	C mm
1	112.03.088	3	8	8
2	112.03.152	3	15	12
3	112.04.152	4	15	12
4	112.04.202	4	20	12
5	112.05.202	5	20	12
6	112.06.202	6	20	12
7	112.06.262	6	26	12
8	112.08.202	8	20	12
9	112.08.322	8	32	12
10	112.10.202	10	20	12

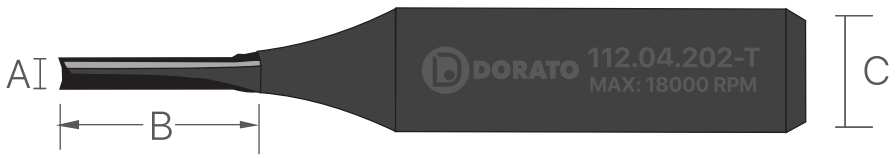
Z2
MAX: 18000 RPM



112-T Straight Bit — TCT/HW/RH

	Code	A mm	B mm	C mm
1	112.03.088-T	3	8	8
2	112.03.152-T	3	15	12
3	112.04.152-T	4	15	12
4	112.04.202-T	4	20	12
5	112.05.202-T	5	20	12
6	112.06.202-T	6	20	12
7	112.06.262-T	6	26	12
8	112.08.202-T	8	20	12
9	112.08.322-T	8	32	12
10	112.10.202-T	10	20	12

Z2
TITANIUM COATING
MAX: 18000 RPM



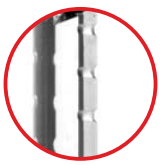
113 Straight Bit — TCT/HW/RH

	Code	A mm	B mm	C mm
1	113.05.202	5	20	12
2	113.06.202	6	20	12
3	113.06.262	6	26	12
4	113.08.202	8	20	12
5	113.08.262	8	26	12
6	113.08.322	8	32	12
7	113.09.252	9	25	12
8	113.09.352	9	35	12
9	113.10.202	10	20	12
10	113.10.352	10	35	12
11	113.10.402	10	40	12





Z3 CHIP BREAKER
MAX: 22000 RPM



CHIP BREAKER



3 flute straight cutter with chip breaker on grooving, rebating and mortising for clean finish, when working in abrosive materials such as chipboard, MDF and plywood, it's suitable for plunging.

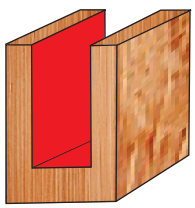
113-T Straight Bit — TCT/HW/RH

	Code	A mm	B mm	C mm
1	113.05.202-T	5	20	12
2	113.06.202-T	6	20	12
3	113.06.262-T	6	26	12
4	113.08.202-T	8	20	12
5	113.08.262-T	8	26	12
6	113.08.322-T	8	32	12
7	113.09.252-T	9	25	12
8	113.09.352-T	9	35	12
9	113.10.202-T	10	20	12
10	113.10.352-T	10	35	12
11	113.10.402-T	10	40	12





Z3 CHIP BREAKER TITANIUM COATING
MAX: 22000 RPM

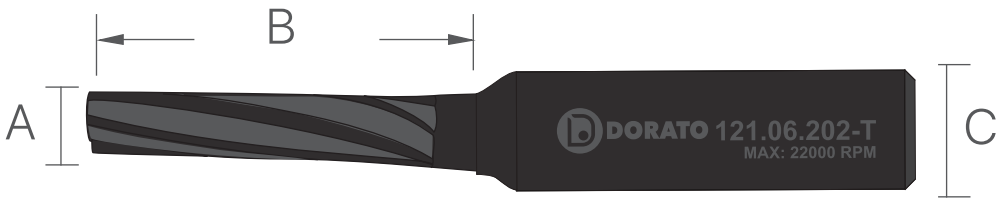




121-T Spiral Bit TCT/HW/RH

	Code	A mm	B mm	C mm
❶	121.06.202-T	6	20	12
❷	121.08.202-T	8	20	12

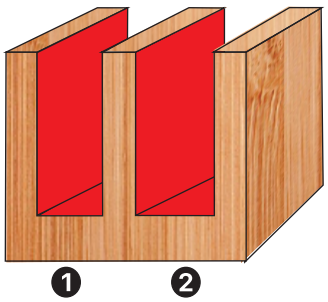






Z2 DOWN CUT
TITANIUM COATING
MAX: 22000 RPM

SCALE 1:1



For fast material removal in panel sizing operations.
For high feed rates on CNC routers, machining centers, and point-to-point machines for ripping, panel sizing, template routing, and other routing applications.

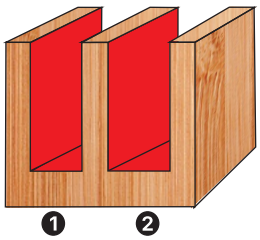
122 Spiral Bit — TCT/HW/RH



	Code	A mm	B mm	C mm
❶	122.06.202	6	20	12
❷	122.08.202	8	20	12



SCALE 1:1





Z2+2
MAX: 22000 RPM

Technical details:
- Premium quality super-micrograin carbide
- 2+2 spiral cutting edges [Z2+2].
- Provides excellent finish on both top and bottom sides of the workpiece

122-T Spiral Bit — TCT/HW/RH

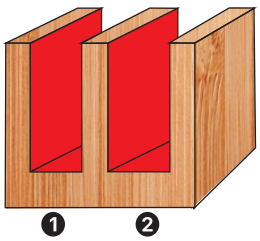


	Code	A mm	B mm	C mm
❶	122.06.202-T	6	20	12
❷	122.08.202-T	8	20	12

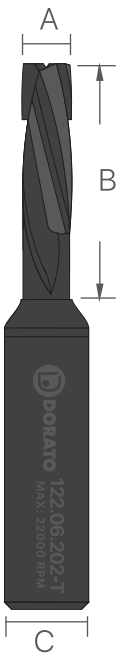


Z2+2
TITANIUM COATING
MAX: 22000 RPM

SCALE 1:1



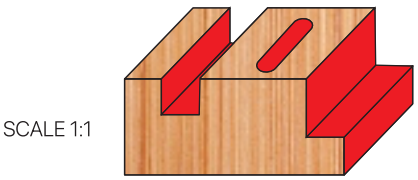
For fast removal of material in panel sizing operations. For fast feed rates on CNC routers, machining centers and point to point machines for ripping, panel sizing, template routing and other routing applications



123 Cleaning Bottom Straight Bit — HW/ RH

	Code	A mm	B mm	C mm
❶	123.10.202	10	20	12
❷	123.12.202	12	20	12









Z2+1
CENTER CARBIDE TIP
MAX: 18000 RPM

This bit's specially designed carbide center tip enhances the speed of plunge cuts. At the same time, it extends the life of the cutting edge by reducing the stress of plunge cuts on their tips.
Ideal for mortising and other plunging operations .

123-T SPIRAL BIT — HW/ RH



	Code	A mm	B mm	C mm
❶	123.06.202-T	6	20	12
❷	123.08.202-T	8	20	12
❸	123.10.402-T	10	40	12



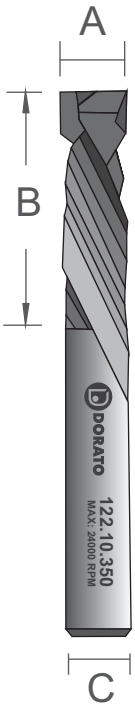
Z2+2 CHIP BREAKER
TITANIUM COATING
MAX: 22000 RPM



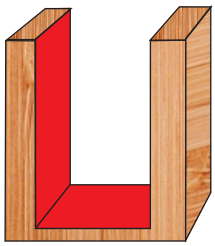


DORATO TOOLS

122 Spiral Bit — TCT/HW/RH



	Code	A mm	B mm	C mm
❶	122.06.226	6	22	6
❷	122.08.228	8	22	8
❸	122.10.350	10	35	10







Z2+2
UP-DOWN SPIRAL
MAX: 24000 RPM

Premium Quality

133 Straight Bit — TCT/HW/RH

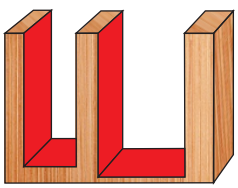


	Code	A mm	B mm	C mm
❶	133.06.206	6	20	6
❸	133.06.226	6	22	6
❹	133.08.228	8	22	8
❺	133.08.328	8	32	8
❻	133.10.320	10	32	10



Z3
MAX: 24000 RPM

SCALE 1:1



❶ ❷

Premium Quality



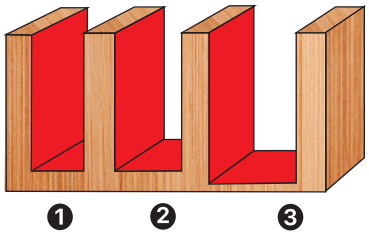
144 SPIRAL ROUTER BIT

TCT/HW/RH

	Code	A mm	B mm	C mm
❶	144.06.256	6	25	6
❷	144.08.258	8	25	8
❸	144.10.350	10	35	10



SCALE 1:1







Z4+2
DIAMOND COATING
MAX: 24000 RPM

The 3 basic types of spiral bits are up-cut, down-cut and compression .

Up-cut bits: the flutes cut material and evacuate chips towards the shank.

Down-cut bits: the flutes cut material and evacuate chips away from the shank.

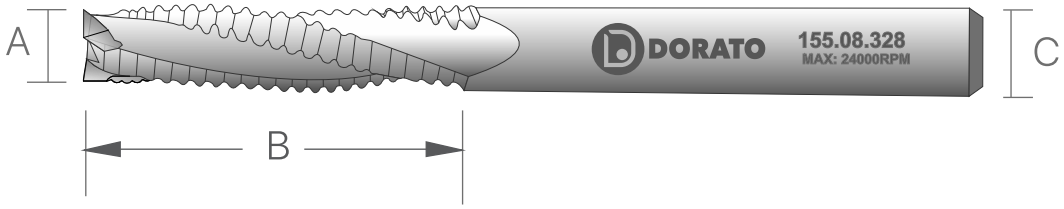
Compression bits: the shank side of the bit cuts down and the tip cuts up.

spiral bits can be used on a handheld router or CNC for a range of cuts, including dados, rabbets, grooves, plunge cuts and through cuts.

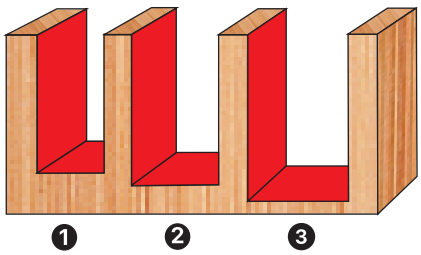
Premium Quality

155 SPIRAL BIT — TCT/HW/RH

	Code	A mm	B mm	C mm
❶	155.08.328	8	32	8
❷	155.10.320	10	32	10
❸	155.12.522	12	52	12



SCALE 1:1





Z3
PREMIUM QUALITY
UP-CUT SPIRAL
MAX: 24000 RPM

Technical details:

- Premium quality super-micrograin carbide.
- 3 spiral cutting edges [Z3].
- For fast routing on CNC equipment when edge finish is less important.
- Ideal for cutting raw MDF, chipboard , solid wood and plywood.



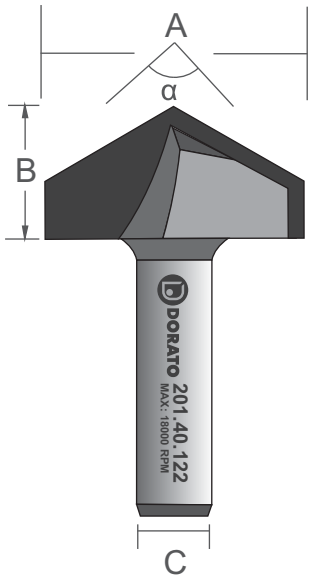
DORATO TOOLS

201 V BIT HW/RH

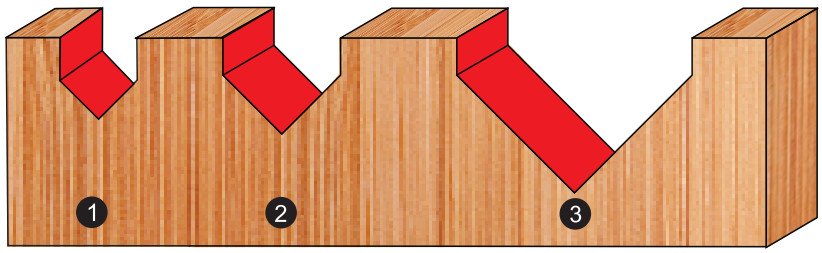
	Code	A mm	B mm	C mm	α
1	201.12.908	12.70	12.70	8	90°
2	201.19.902	19.05	17.50	12	90°
3	201.38.902	38.10	25	12	90°
4	201.68.902	68	40.25	12	90°
5	201.40.122	40	20	12	120°
6	201.40.142	40	12.70	12	140°
7	201.60.142	60	12.70	12	140°
8	201.40.152	40	12.70	12	150°
9	201.60.152	60	12.70	12	150°

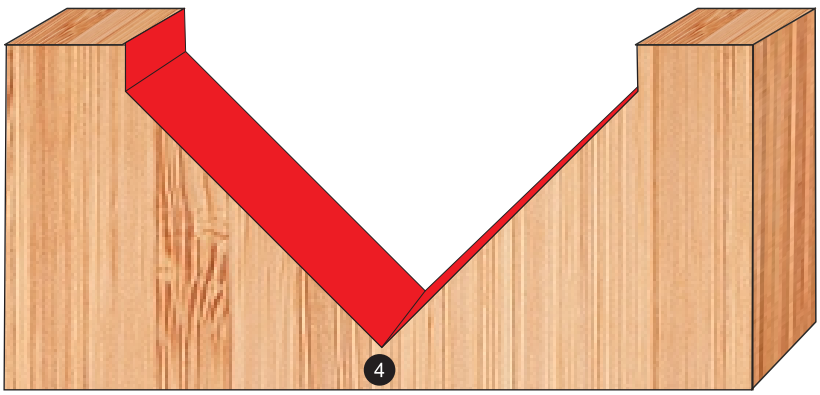


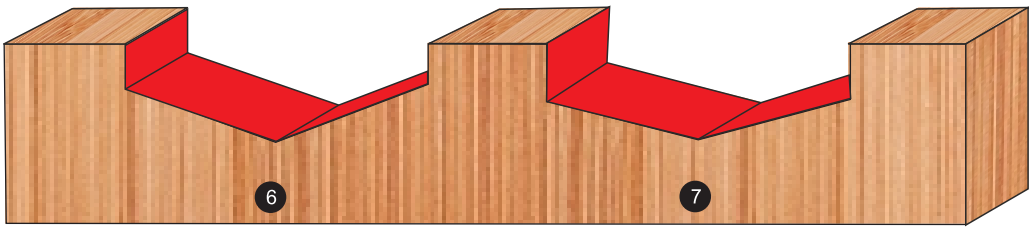
Z2
MAX: 18000 RPM



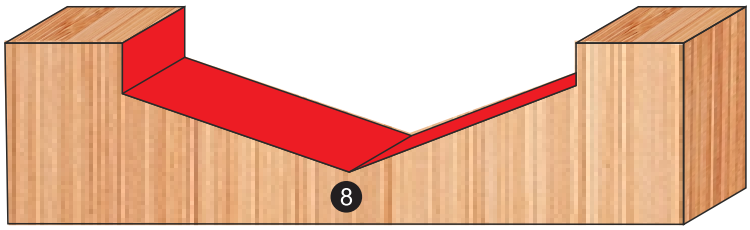
SCALE 1:1



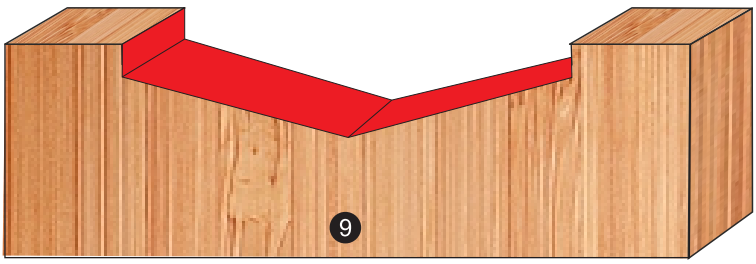




201 V BIT HW/RH



SCALE 1:1

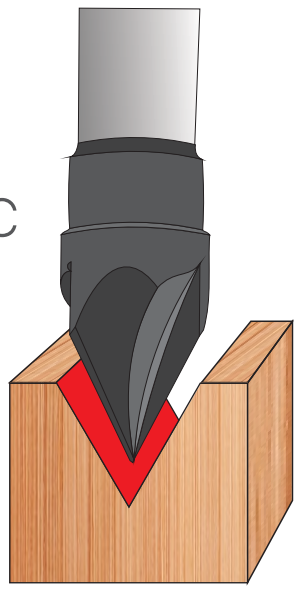


201 Laser Point Bit HW/RH

	Code	A mm	B mm	C mm	α
1	201.15.602	15.10	13.10	12	60°

Z2
MAX: 18000 RPM

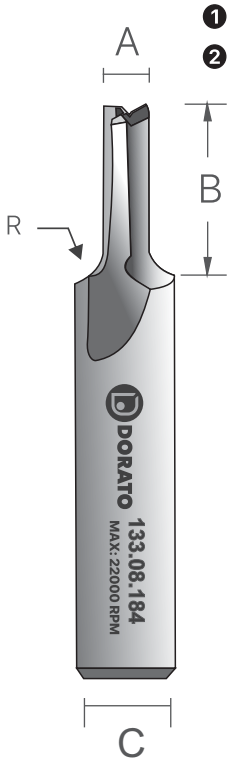




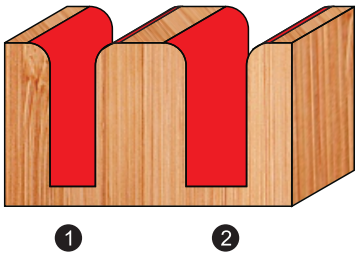
SCALE 1:1

133R Plunging Round-Over Bit — HW/RH

	Code	A mm	B mm	C mm	R
❶	133.06.182-R3	6	18.60	12	3
❷	133.08.184-R3	8	18.60	14	3



SCALE 1:1







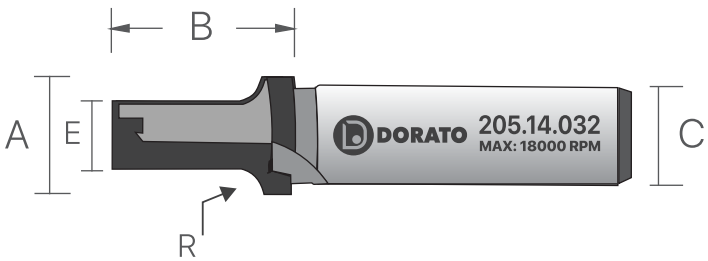
Z3
MAX: 22000 RPM

Premium Quality

205 Plunging Round-Over Bit — HW/RH



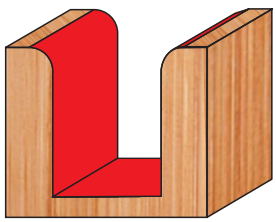
	Code	A mm	B mm	C mm	E mm	R
❶	205.14.032	14	21.50	12	8	3





Z2+1
MAX: 18000 RPM

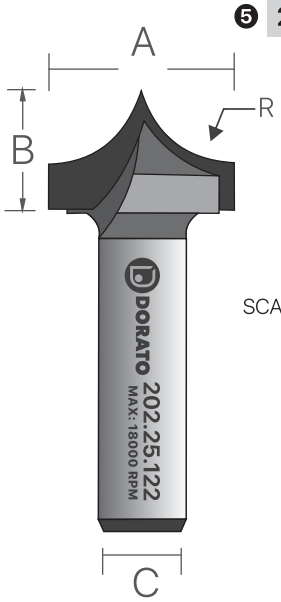
SCALE 1:1

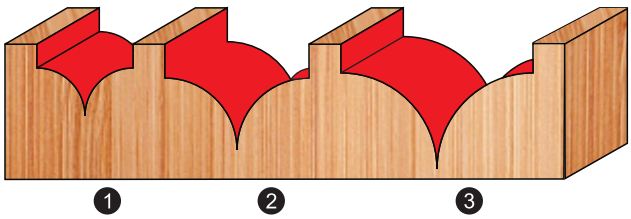


202 Carving Bit HW/RH

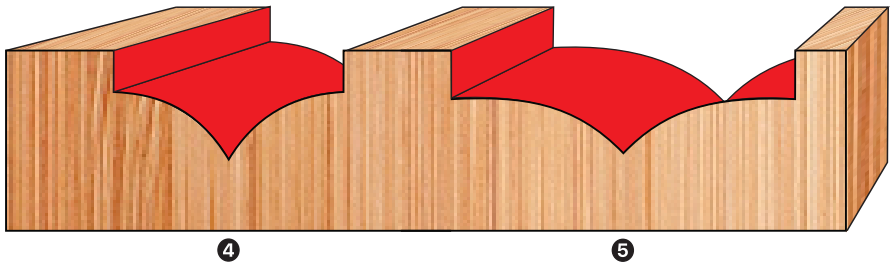
	Code	A mm	B mm	C mm	R
1	202.12.062	12.70	9.50	12	6.35
2	202.19.092	19.05	14	12	9.52
3	202.25.122	25.40	16.50	12	12.70
4	202.34.192	34	16	12	19.45
5	202.50.252	50.80	15	12	25.40







SCALE 1:1

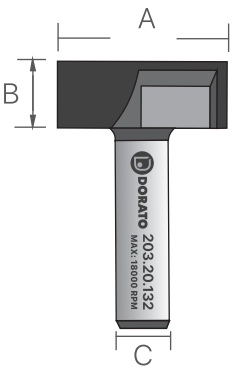


Z2
MAX: 18000 RPM

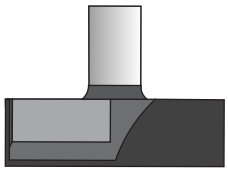
203 Cleaning Bottom Bit HW/RH



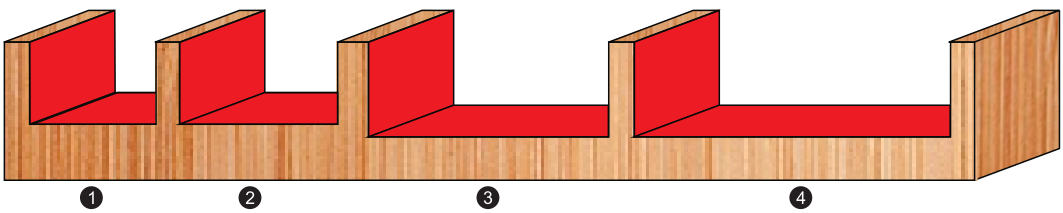
	Code	A mm	B mm	C mm
1	203.20.132	20	13	12
2	203.25.132	25	13	12
3	203.38.152	38	15	12
4	203.50.152	50	15	12



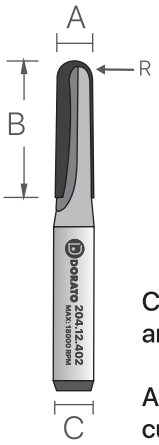
Z2
MAX: 18000 RPM



SCALE 1:1

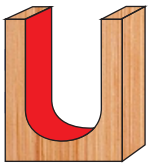


204 Round Nose Bit — HW/RH



	Code	A mm	B mm	C mm	R
❶	204.12.402	12	40	12	6

SCALE 1:1



Core box cutter with two flutes used for round bottom, decorative and functional slots and grooves.

A continuous plate at the bottom of the bitensures a perfectly curved groove.



Z2
MAX: 18000 RPM

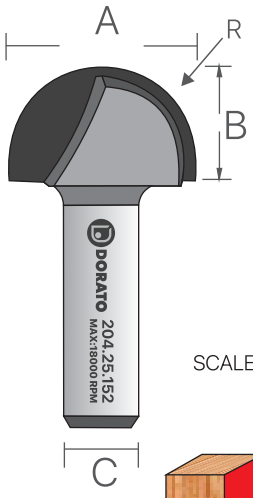
204 Cove Box Bit — HW/RH



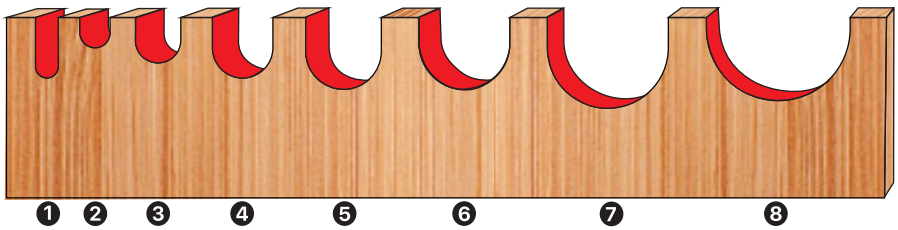
	Code	A mm	B mm	C mm	R
❶	204.03.088	3	8	8	1.50
❷	204.04.048	4	4	8	2
❸	204.06.072	6	7	12	3
❹	204.08.062	8	6.50	12	4
❺	204.10.752	10	7.50	12	5
❻	204.12.092	12	9	12	6
❼	204.16.112	16	11	12	8
❽	204.19.122	19	12.50	12	9.50
❾	204.25.152	25.40	15	12	12.70
❿	204.38.222	38.10	22.50	12	19.05
⓫	204.50.282	50.80	28.50	12	40

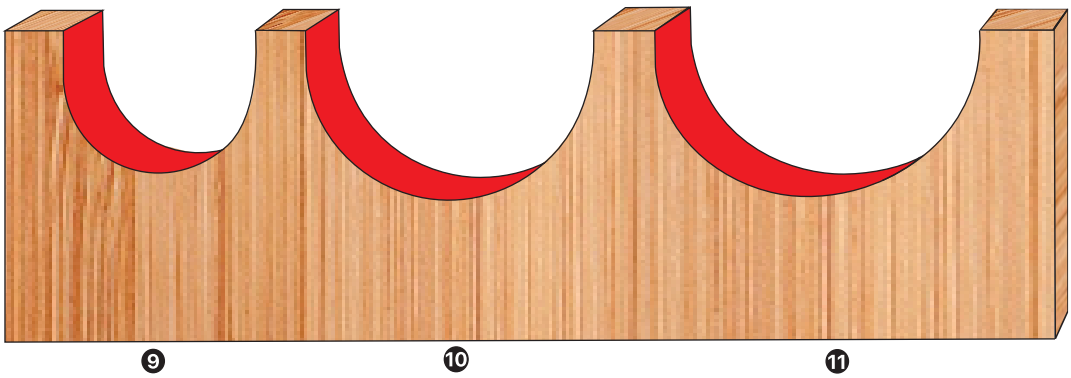


Z2
MAX: 18000 RPM



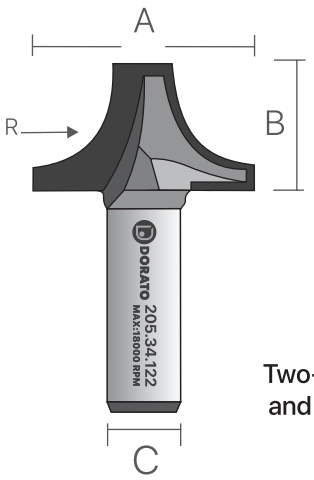
SCALE 1:1

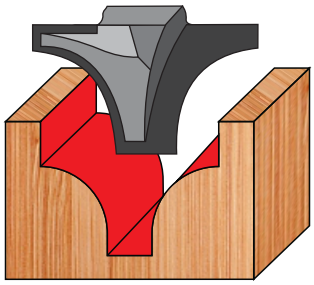




205 Plunging Round-Over Bit — HW/RH

	Code	A mm	B mm	C mm	R
❶	205.19.062	19.10	15.93	12	6.35
❷	205.33.122	33.40	25.40	12	12.70
❸	205.34.122	34.90	16.20	12	12.70
❹	205.34.252	34.90	25.40	12	12.70
❺	205.39.162	39.60	25.40	12	16.80





Z2
MAX: 18000 RPM

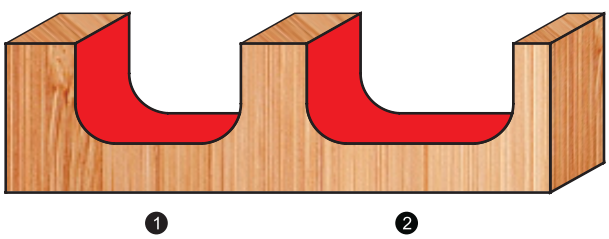
Two-flute combination cutters designed for piercing through materials and rounding over in a single operation.

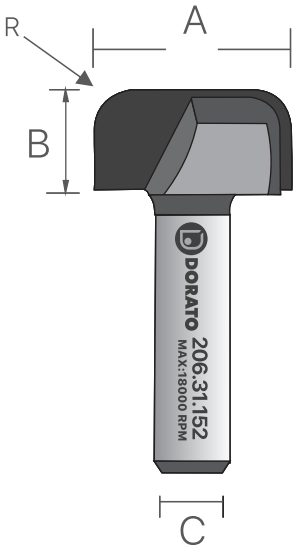
206 Bowl & Tray Bit — HW/RH

	Code	A mm	B mm	C mm	R
❶	206.25.152	25.40	15.90	12	6.35
❷	206.31.152	31.70	15.90	12	6.35

Z2
MAX: 18000 RPM

SCALE 1:1





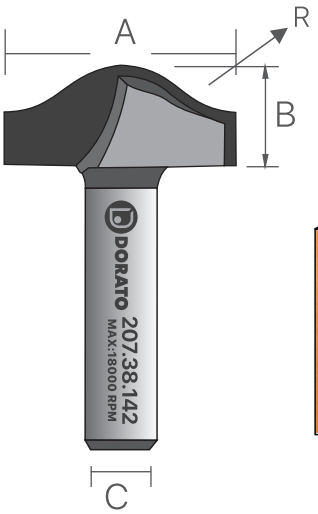
It's ideal for making bowls, trays, boxes, cutting boards, or any other specialty or craft items.

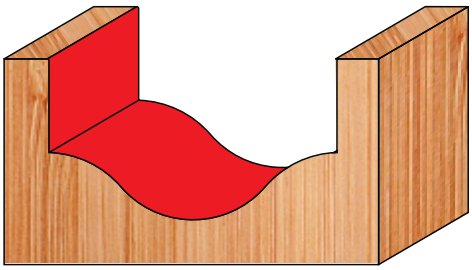
207 PROFILE BIT — HW/RH

	Code	A mm	B mm	C mm	R
1	207.19.122	19.10	10.50	12	6.35
2	207.38.142	38.10	15.90	12	14.30
3	207.50.122	50.80	11.10	12	14.28



Z2
MAX: 18000 RPM



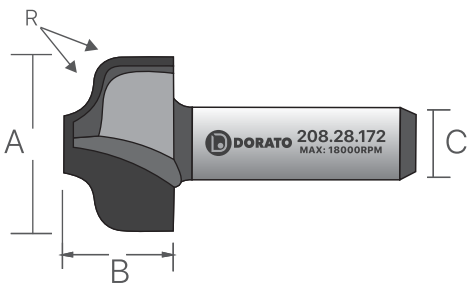


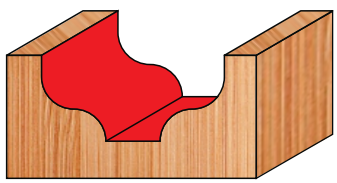
208 Ogee Bit — HW/RH



	Code	A mm	B mm	C mm	R
1	208.23.168	23.80	16	8	4.70
2	208.27.148	27	14.30	8	5
3	208.27.122	27.05	12.70	12	4.76
4	208.28.172	28.60	17.50	12	4.80
5	208.31.122	31.80	12.70	12	4.76

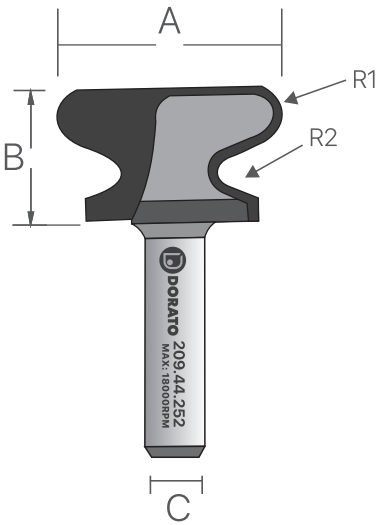
Z2
MAX: 18000 RPM

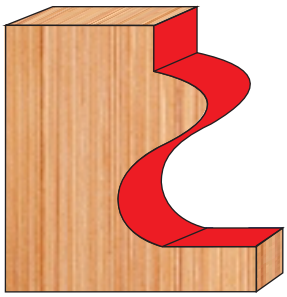




209 Double Finger Bit — HW/RH

	Code	A mm	B mm	C mm	R1	R2
❶	209.19.172	19.05	17.03	12	4.76	2.38
❷	209.44.252	44.45	25	12	6.10	3.30





Make a solid wood or MDF cabinet door finger pull in cabinet and kitchen furniture projects.

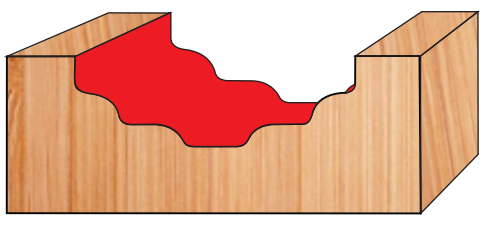
Z2
MAX: 18000 RPM

210 Classical Plunge Bit — HW/RH

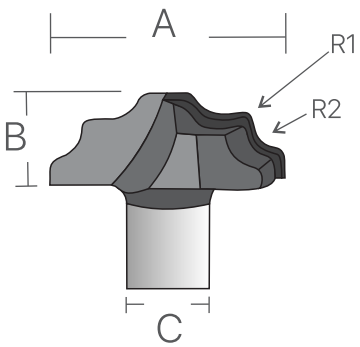
	Code	A mm	B mm	C mm	R1	R2
❶	210.34.132	34	13	12	1.50	4

Z2
MAX: 18000 RPM



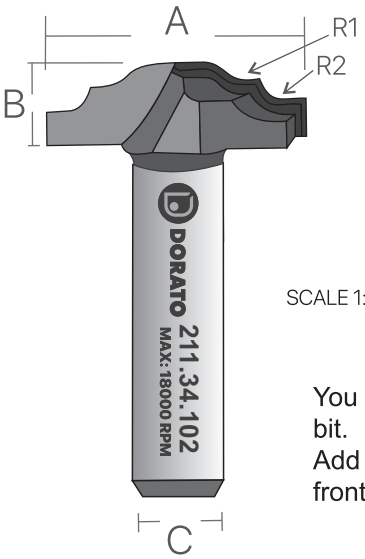


SCALE 1:1

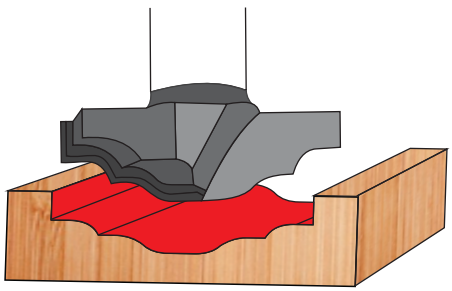


211 Classical Plunge Bit — HW/RH

	Code	A mm	B mm	C mm	R1	R2
1	211.34.102	34.90	10.50	12	4	3.20



SCALE 1:1





Z2
MAX: 18000 RPM

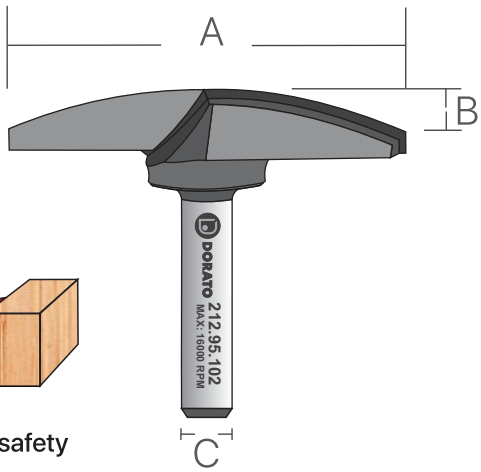
You will never run out of ideas with this creative bit.
Add a classic touch to any edge or highlight door fronts and panels with decorative layered effects.

212 Bowl & Tray Bit — HW/RH

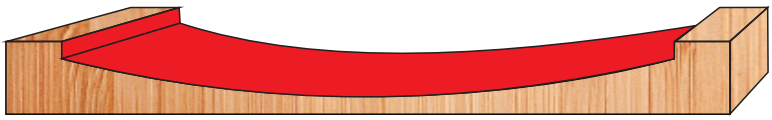
	Code	A mm	B mm	C mm
1	212.95.102	95.25	10	12



Z2
MAX:16000 RPM



SCALE 1:1

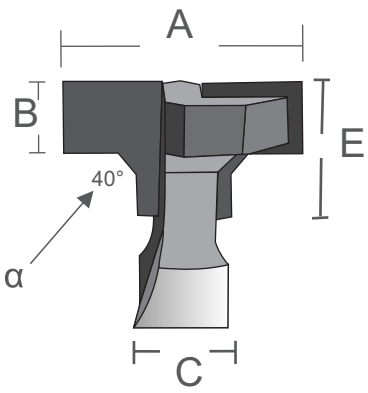


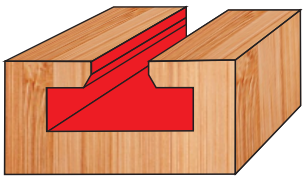
Its anti-kickback design is fundamental in further improving safety when workingwith larger diameter bits.

Safety Tips: This type of bit needs to be used at a lower rotational speed, preferably between 16,000 RPMs.

213 T-slot Bit — HW/RH

	Code	A mm	B mm	C mm	E mm	α
❶	213.28.162	28	8.50	12	16	40°
❷	213.28.166	28	8.50	6	16	40°







Z2
MAX: 18000 RPM

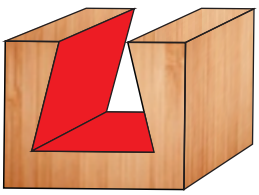
214 Dovetail Bit — HW/RH

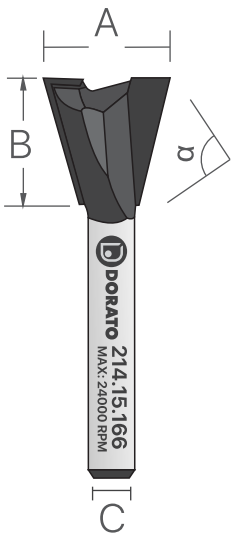


Z2
MAX:24000 RPM

	Code	A mm	B mm	C mm	α
❶	214.15.166	15.90	16	6	14°

SCALE 1:1



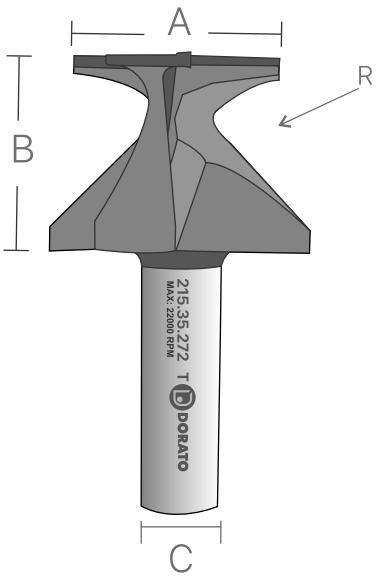


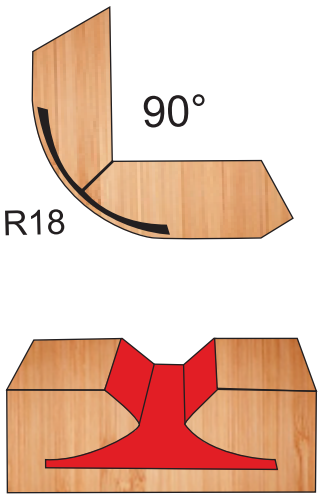
Two-flute dovetail cutter without spurs for easy construction of dovetails.

215 Arc Bending Integrated Router Bit — HW/RH

	Code	A mm	B mm	C mm	R
1	215.35.272	35	27	12	18°

Z3
MAX: 18000 RPM

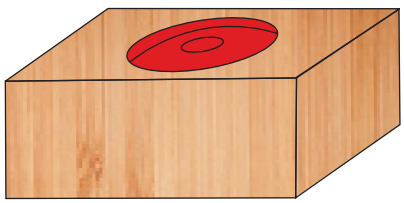




216 Hinge Boring Bit — HW/RH

	Code	A mm	B mm	C mm
1	216.18.132	18	13	12

MAX: 18000 RPM



A range of boring bits for cutting clean, flat-bottomed holes and hinge recesses in timber and man-made boards.The bits have two cutting flutes and two scribers.

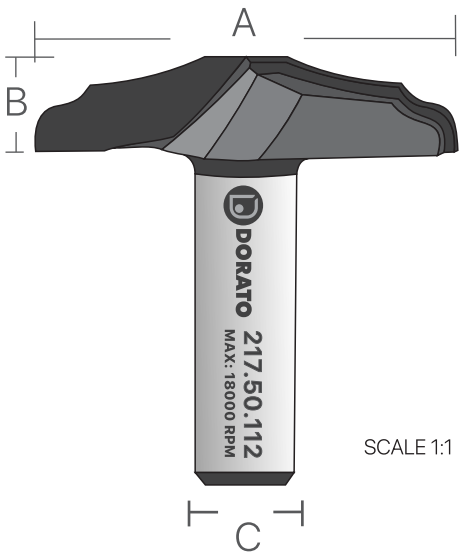


217 Classical plunge Bit HW/RH

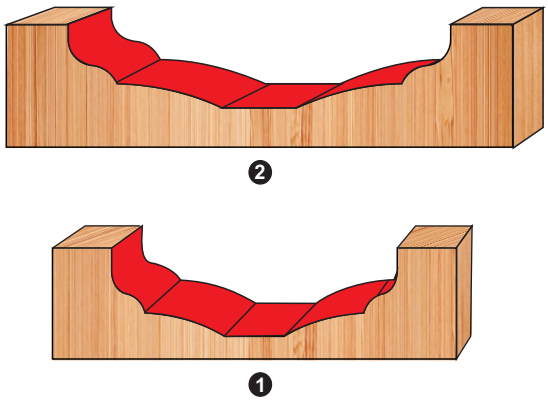
	Code	A mm	B mm	C mm
❶	217.34.122	34.90	12	12
❷	217.50.112	50.80	11	12



Z2
MAX: 18000 RPM



SCALE 1:1

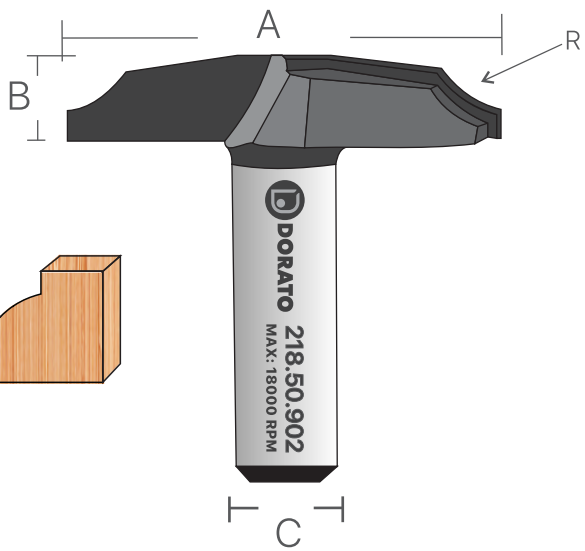


218 Classical plunge Bit HW/RH

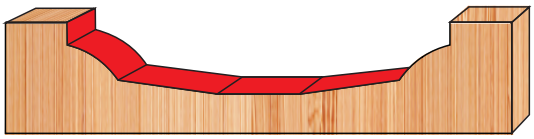


	Code	A mm	B mm	C mm	R
❶	218.50.902	50.80	9.50	12	11.10

Z2
MAX: 18000 RPM

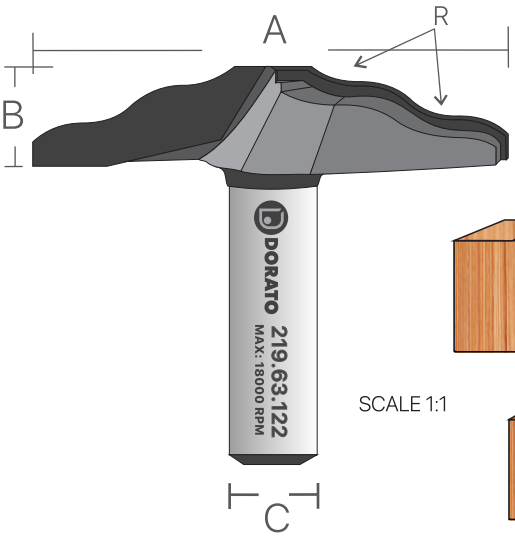


SCALE 1:1

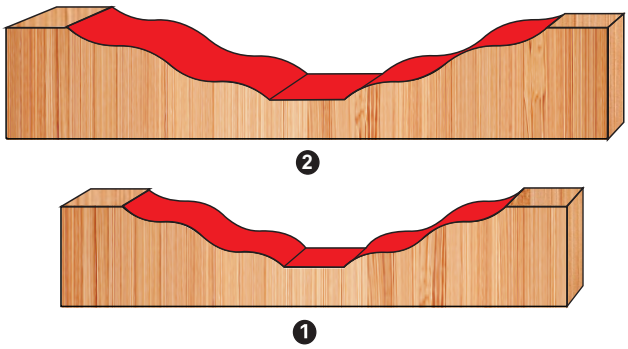


219 Classical plunge Bit — HW/RH

	Code	A mm	B mm	C mm	R
❶	219.50.112	50.80	11	12	7.14
❷	219.63.122	63.50	12.50	12	9.53



SCALE 1:1



❷

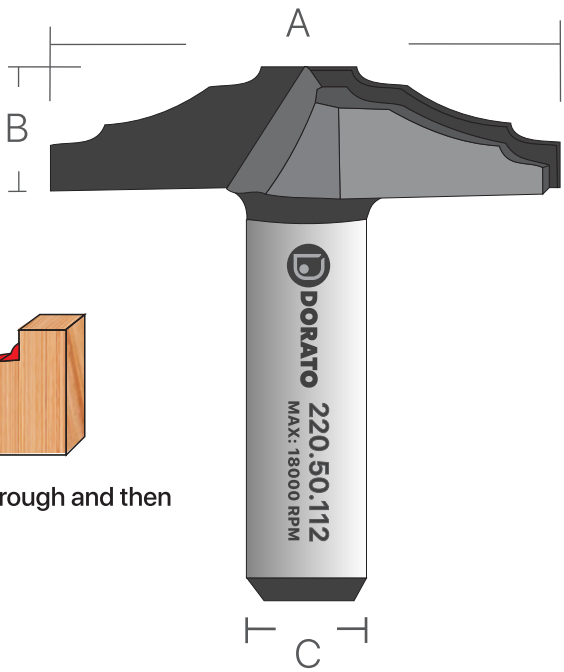
❶

Z2
MAX: 18000 RPM

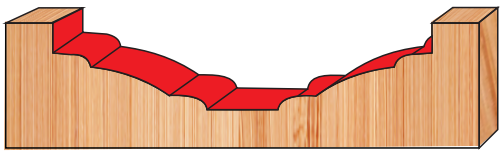
220 Classical plunge Bit — HW/RH

	Code	A mm	B mm	C mm
❶	220.50.112	50.80	11.60	12

Z2
MAX: 18000 RPM



SCALE 1:1



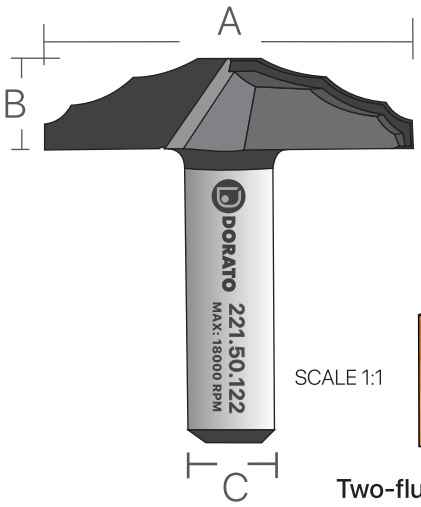
Two-flute combination cutters for piercing through and then rounding over in the operation.

221 Classical plunge Bit HW/RH

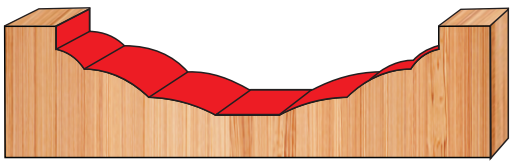
	Code	A mm	B mm	C mm
❶	221.50.122	50.80	12	12



Z2
MAX: 18000 RPM



SCALE 1:1



Two-flute combination cutters for piercing through and then rounding over in the operation.

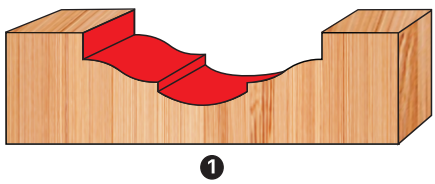
222 Classical plunge Bit HW/RH



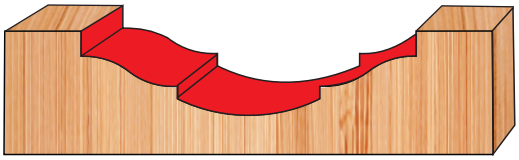
	Code	A mm	B mm	C mm
❶	222.31.902	31.80	9.53	12
❷	222.44.112	44.50	11.10	12

Z2
MAX: 18000 RPM

SCALE 1:1



❶



❷

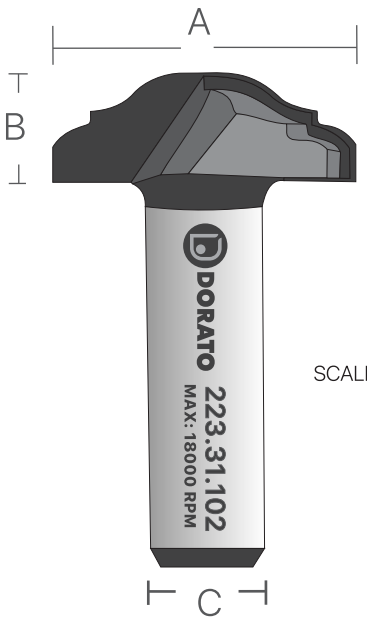


223 Classical plunge Bit — HW/RH

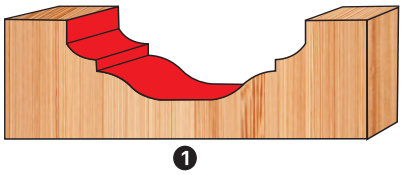
	Code	A mm	B mm	C mm
❶	223.31.102	31.80	10.50	12
❷	223.44.112	44.50	11	12

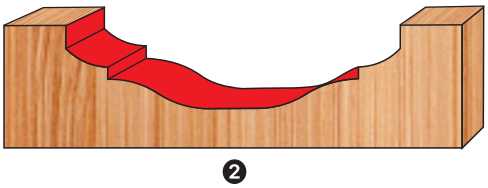


Z2
MAX: 18000 RPM



SCALE 1:1





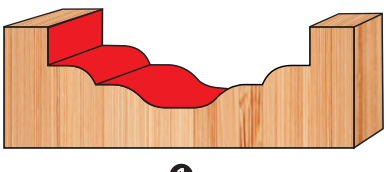
224 Classical plunge Bit — HW/RH

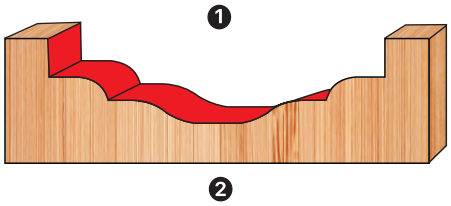


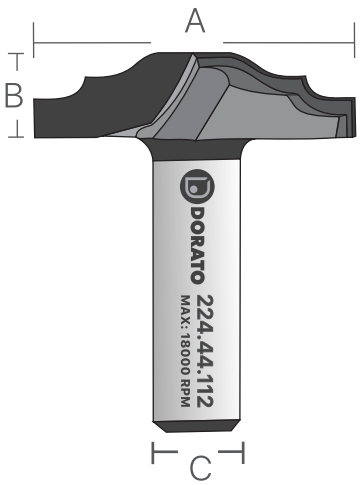
	Code	A mm	B mm	C mm
❶	224.34.102	34.90	10.50	12
❷	224.44.112	44.45	11	12

Z2
MAX: 18000 RPM

SCALE 1:1





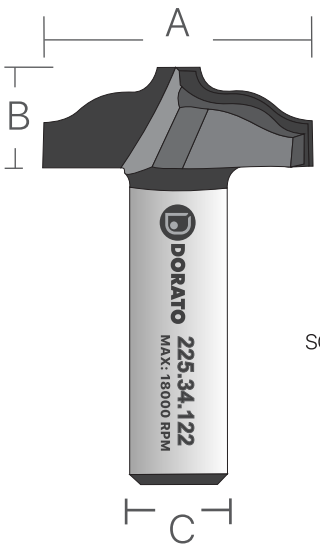


225 Classical plunge Bit HW/RH

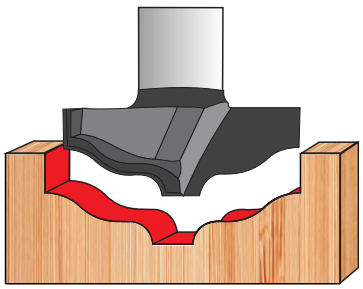
	Code	A mm	B mm	C mm
❶	225.34.122	34	12	12



Z2
MAX: 18000 RPM



SCALE 1:1

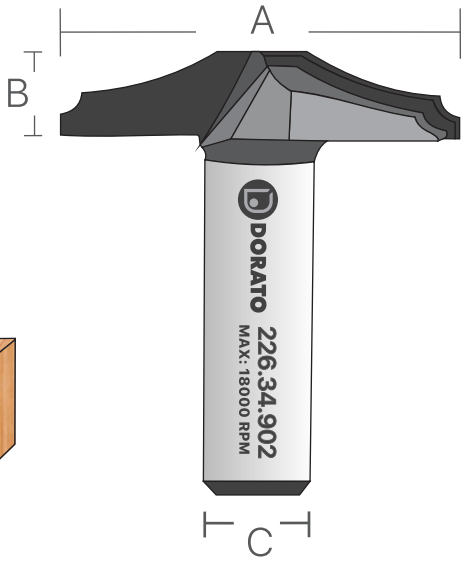


226 Classical plunge Bit HW/RH

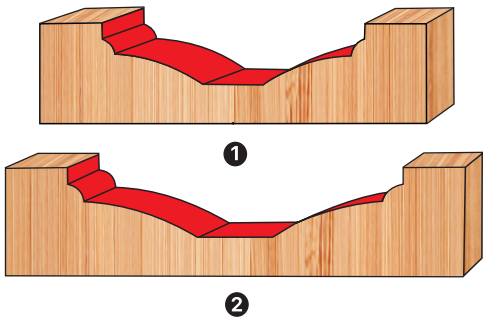


	Code	A mm	B mm	C mm
❶	226.34.902	34.90	9.53	12
❷	226.44.902	44.50	9	12

Z2
MAX: 18000 RPM

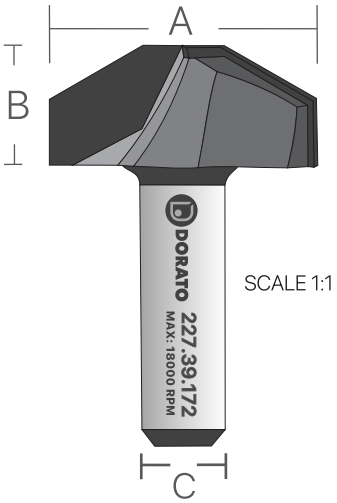


SCALE 1:1



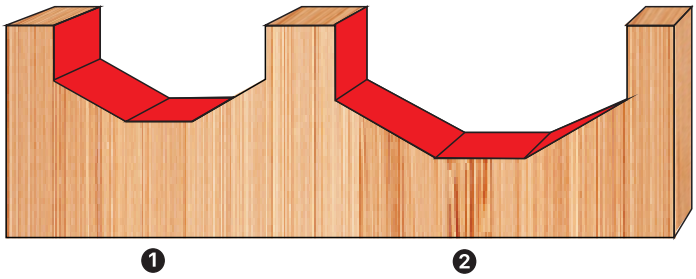
227 Bevel Raised Panel Bit — HW/RH

	Code	A mm	B mm	C mm	α
❶	227.28.122	28.57	12.70	12	30°
❷	227.39.172	39.25	17.46	12	30°



SCALE 1:1

Z2
MAX: 18000 RPM

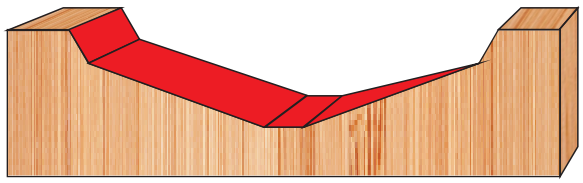


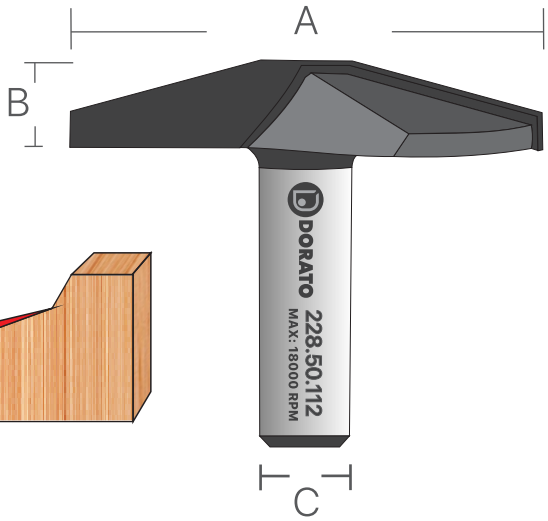
Two-flute cutter for straight and angle trimming.
Performs 3 functions in addition to straight and angle trimming.

228 Bevel Raised Panel Bit — HW/RH

	Code	A mm	B mm	C mm	α
❶	228.50.112	50.80	11.10	12	15°
❷	228.63.112	63.50	11.10	12	15°

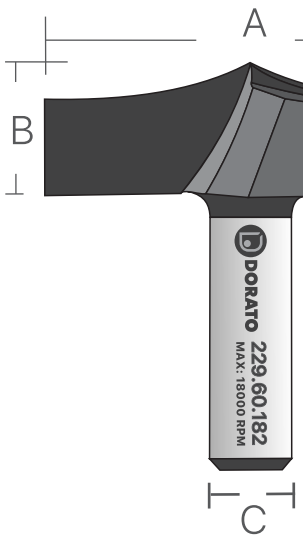
Z2
MAX: 18000 RPM



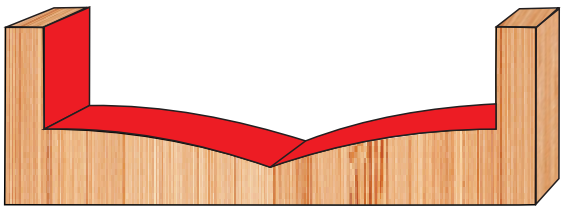


229 Profile Bit HW/RH

	Code	A mm	B mm	C mm
1	229.60.182	60	18.50	12



SCALE 1:1



Z2
MAX: 18000 RPM

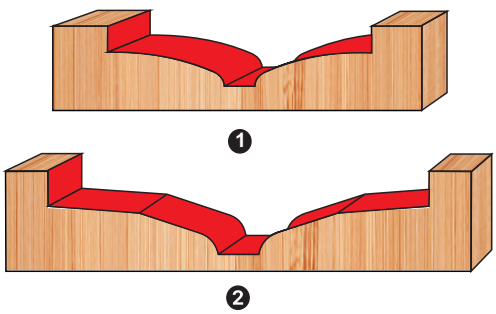
Two-flute profile bit used for decorative grooving.

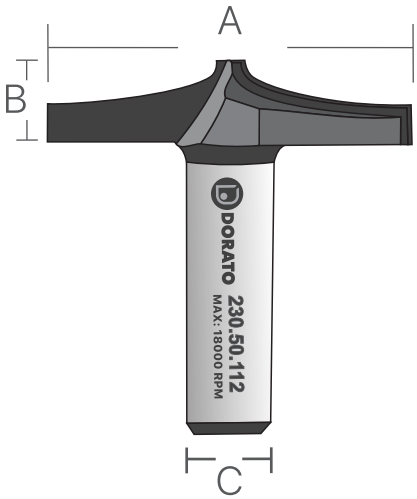
230 Profile Bit HW/RH

	Code	A mm	B mm	C mm
1	230.34.802	34.90	8.44	12
2	230.50.112	50.80	11	12

Z2
MAX: 18000 RPM

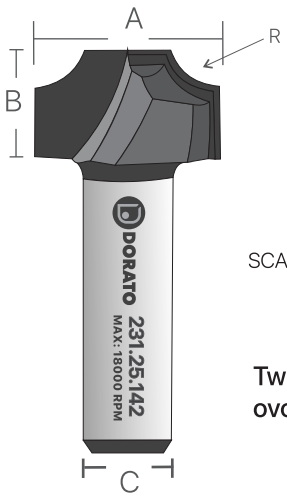
SCALE 1:1



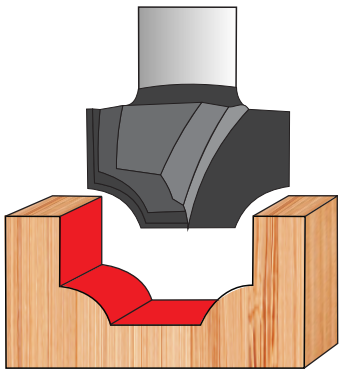


231 Beading cutter HW/RH

	Code	A mm	B mm	C mm	R
1	231.25.142	25.40	14.28	12	6.98



SCALE 1:1





Z2
MAX: 18000 RPM

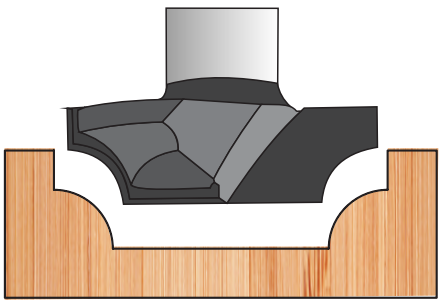
Two-flute bedding cutter providing a round-over and ovolo cut.Suitable for plunging.

232 Beading cutter HW/RH

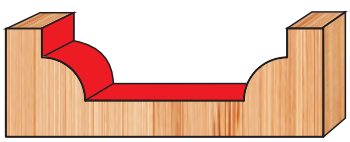


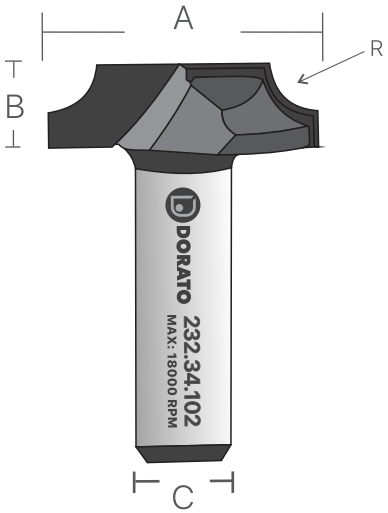
Z2
MAX: 18000 RPM

	Code	A mm	B mm	C mm	R
1	232.34.102	34	10	12	6



SCALE 1:1



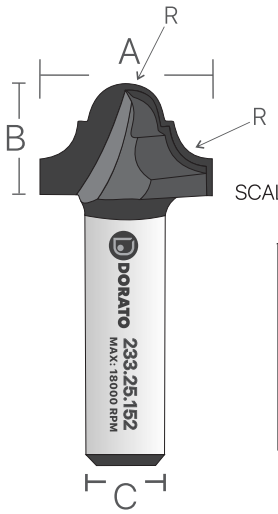


233 Classical Plunge Bit HW/RH

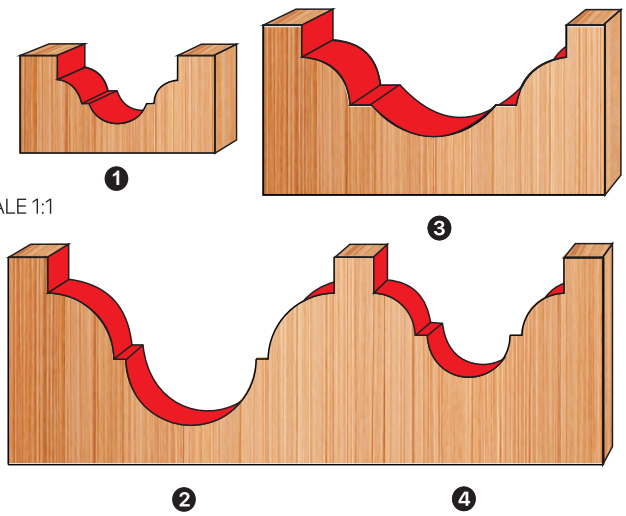
	Code	A mm	B mm	C mm	R
❶	233.15.902	15.90	9	12	3.09
❷	233.25.152	25.40	15.88	12	5.56
❸	233.35.148	35	14.40	8	6.35
❹	233.38.222	38.10	22.20	12	8.73



Z2
MAX: 18000 RPM



SCALE 1:1



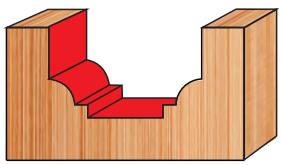
234 Classical Plunge Bit HW/RH

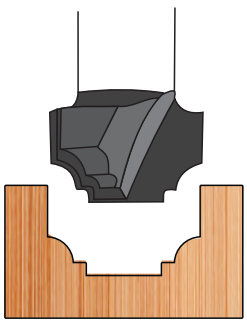
	Code	A mm	B mm	C mm	R
❶	234.19.112	19.10	11.11	12	3.175



Z2
MAX: 18000 RPM

SCALE 1:1

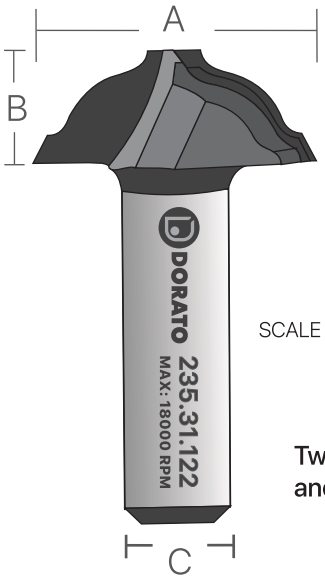




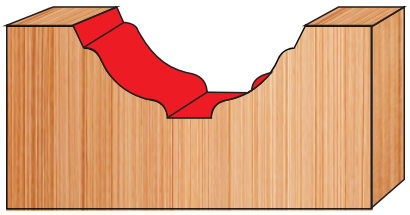


235 Classical Moulding Bit — HW/RH

	Code	A mm	B mm	C mm
1	235.31.122	31.75	12.50	12



SCALE 1:1



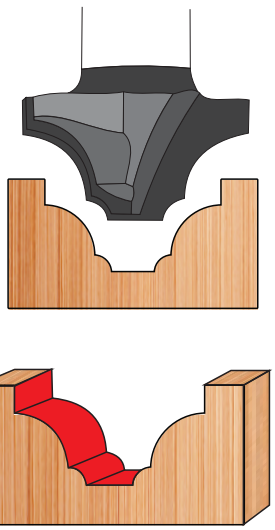
Z2
MAX: 18000 RPM

Two-flute combination cutters for piercing through and then rounding over in the operation.

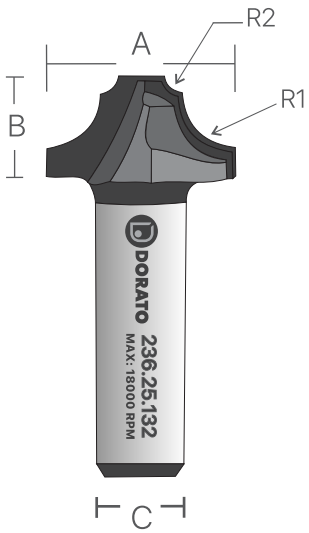
236 Classical Moulding Bit — HW/RH

	Code	A mm	B mm	C mm	R1	R2
1	236.25.132	25.39	13.20	12	7.14	2.38

Z2
MAX: 18000 RPM

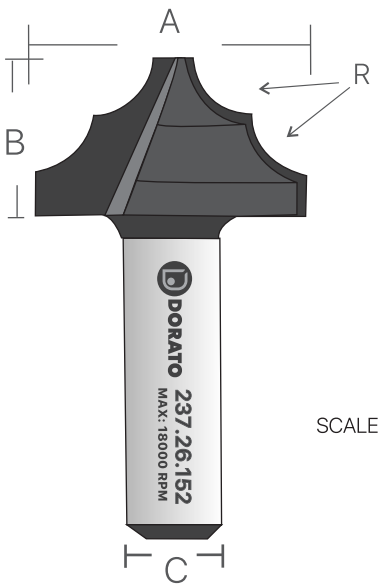


SCALE 1:1

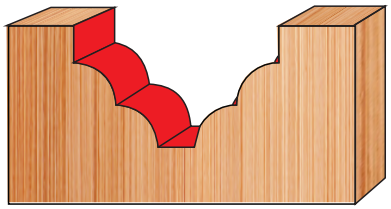


237 Classical Plunge Bit — HW/RH

	Code	A mm	B mm	C mm	R
1	237.26.152	26.90	15.90	12	5.55



SCALE 1:1



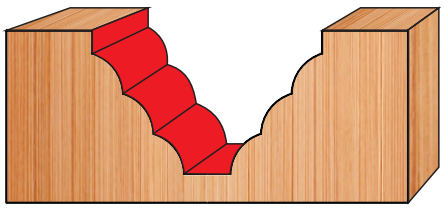
Z2
MAX: 18000 RPM

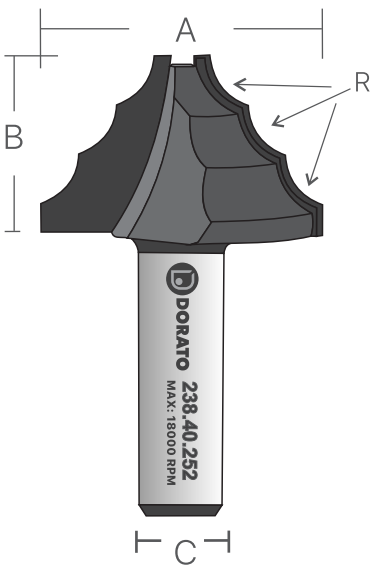
238 Decorative Profile Bit — HW/RH

	Code	A mm	B mm	C mm	R
1	238.40.252	40	25	12	7.50

Z2
MAX: 18000 RPM

SCALE 1:1



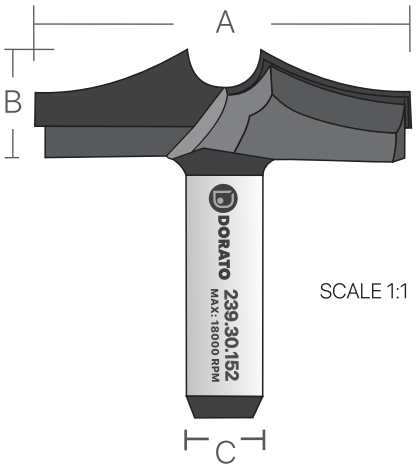


239 Dragon Ball Bit — HW/RH

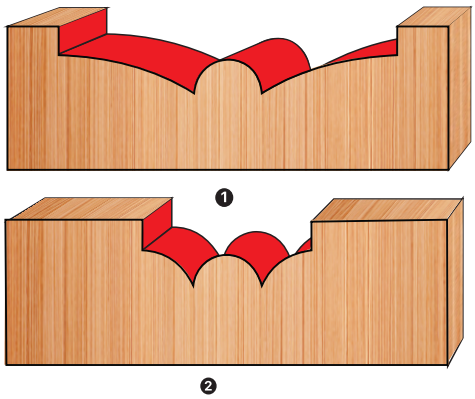
	Code	A mm	B mm	C mm
❶	239.30.152	30	15.70	12
❷	239.60.172	60	17.17	12



Z2
MAX: 18000 RPM



SCALE 1:1

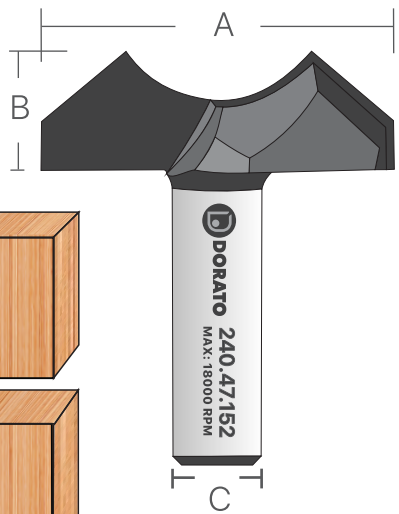


240 Dragon Ball Bit — HW/RH

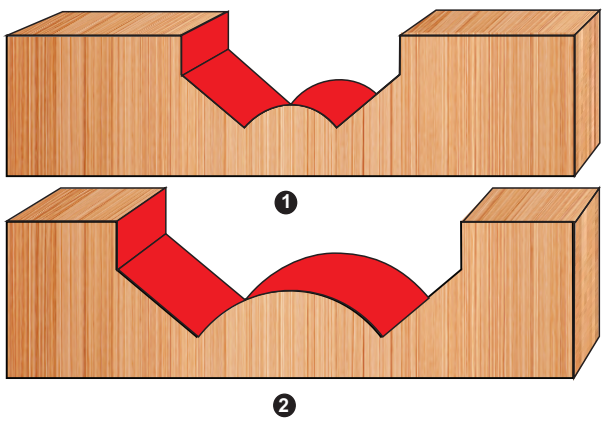
	Code	A mm	B mm	C mm
❶	240.30.122	30	12.53	12
❷	240.47.152	47.50	15.70	12



Z2
MAX: 18000 RPM



SCALE 1:1

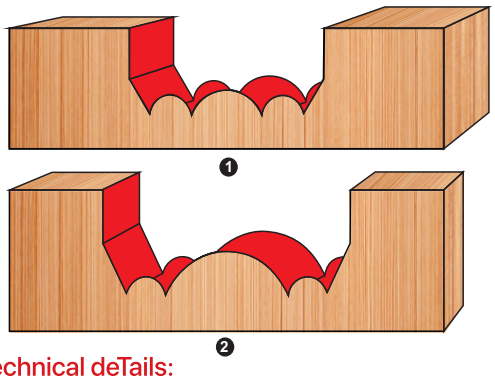


241 Dragon Ball Bit HW/RH

	Code	A mm	B mm	C mm
❶	241.34.152	34.90	15.70	12
❷	241.44.182	44.45	18.88	12



SCALE 1:1





Z2
MAX: 18000 RPM

Technical deTails:
- Super strength steel HS.
- Precision ground carbide cutting edges [Z2].
- Right-hand rotation (RH).

applicaTion:
Standing drilling machines.

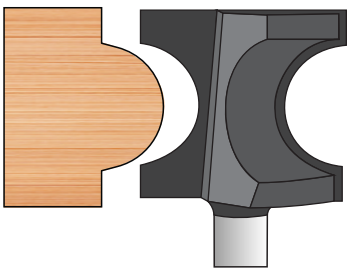
242 Bead & Bull nose Bit HW/RH

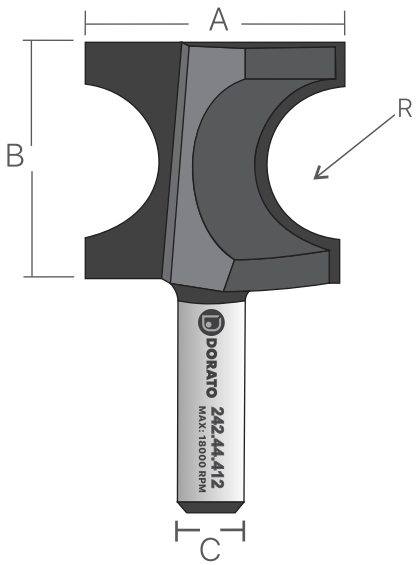


Z2
MAX: 18000 RPM

	Code	A mm	B mm	C mm	R
❶	242.44.412	44.50	41	12	12.70

SCALE 1:1



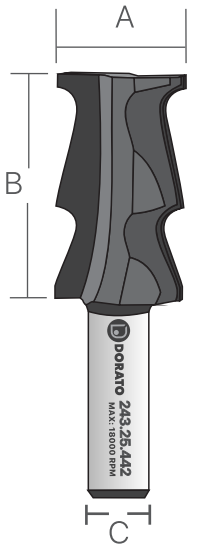


243 Panel Bit — HW/RH

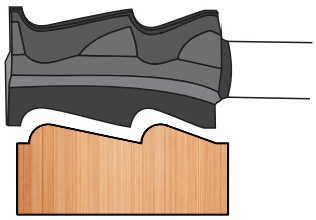
	Code	A mm	B mm	C mm
1	243.25.442	25.40	44.43	12



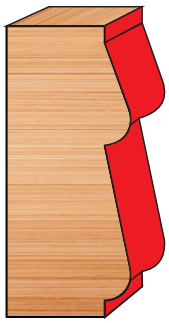
Z2
MAX: 18000 RPM



All large diameter bits, such as these, should be used with caution and on router tables equipped with a fence. For best results, 2-1/4 HP routers are recommended.Routers as low-powered as 1-1/2 HP can be used if limited to shorter, shallower runs.When possible,reduce the RPMs of the router for operations requiring the use of these bits.



SCALE 1:1



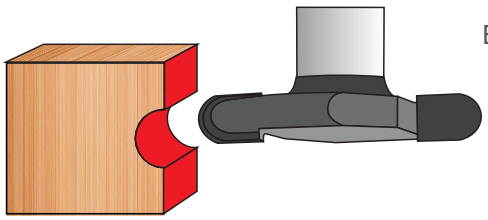
244 Flute & Bead Bit — HW/RH

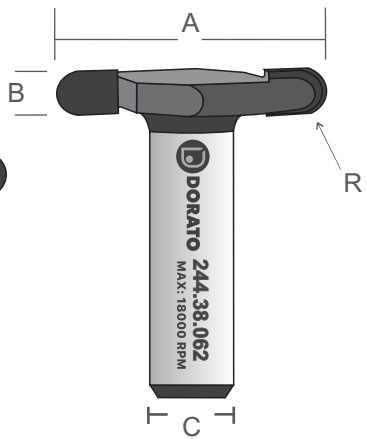


	Code	A mm	B mm	C mm	R
1	244.38.062	38.10	6.35	12	3.175

MAX: 18000 RPM

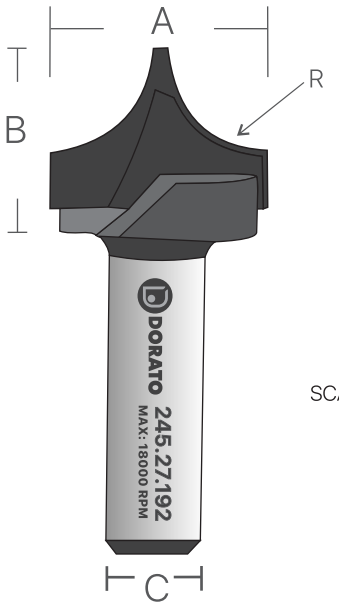
SCALE 1:1



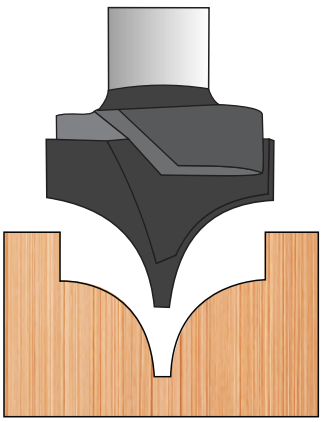


245 Carving Bit — HW/RH

	Code	A mm	B mm	C mm	R
1	245.27.192	27.40	19.05	12	12.70



SCALE 1:1





Z2
MAX: 18000 RPM

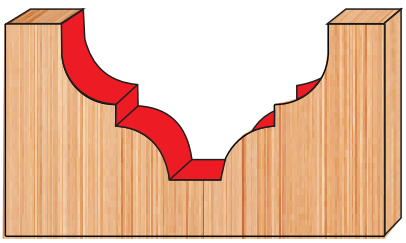
246 Classical Plunge Bit — HW/RH

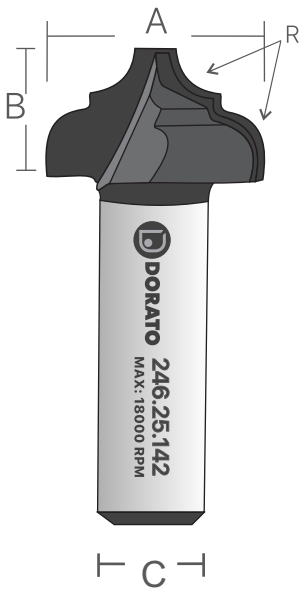


	Code	A mm	B mm	C mm	R
1	246.25.142	25	14.50	12	5

Z2
MAX: 18000 RPM

SCALE 1:1

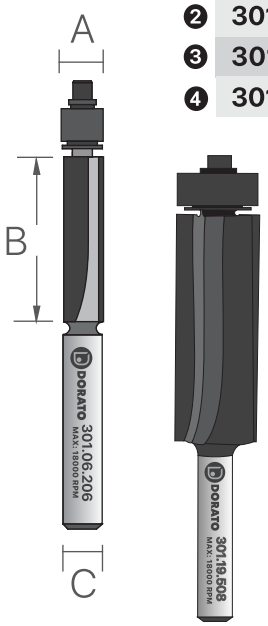


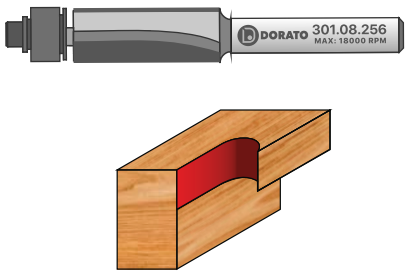




301 FLUSH TRIM BIT — HW/RH

	Code	A mm	B mm	C mm
1	301.06.206	6	20	6
2	301.08.256	8	25	6
3	301.13.502	13	50	12
4	301.19.508	19.10	50.80	8





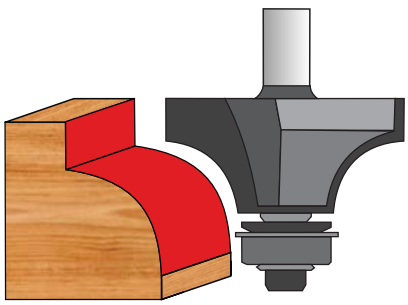
For an extremely smooth finish,
choose the three-flute configuration.

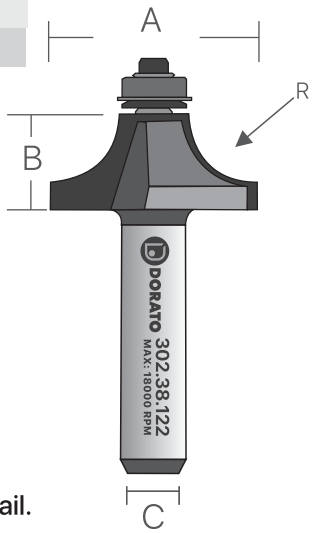
Z2
MAX: 18000 RPM

302 Corner Round Bit — HW/RH

	Code	A mm	B mm	C mm	R
1	302.16.906	16.70	9.50	6	2
2	302.16.908	16.70	9.50	8	2
3	302.20.908	20.70	9.50	8	4
4	302.22.476	22.50	9	6	4.76
5	302.28.796	28.88	12	6	7.96
6	302.32.956	32.05	15	6	9.52
7	302.38.122	38.40	18	12	12.70

Z2
MAX: 18000 RPM

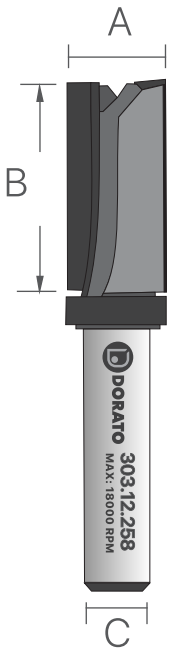


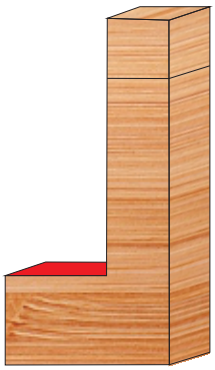


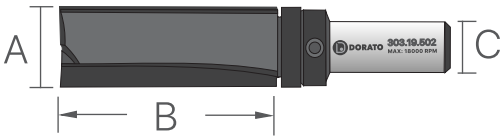
Two-flute thumb mould cutter with exchangeable bearing.
A quarter ellipse cutter that can also be used for rounding a handrail.

303 Triming Cutter With Top Ball Bearing — HW/RH

	Code	A mm	B mm	C mm
❶	303.12.258	12	25	8
❷	303.19.502	19.05	50	12











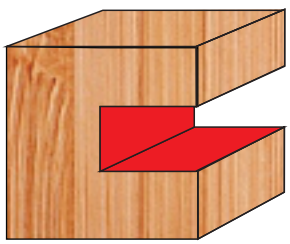
Z2
MAX: 18000 RPM

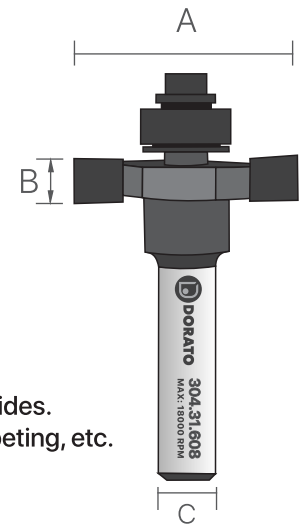
304 T-Solt Bit — HW/RH



	Code	A mm	B mm	C mm
❶	304.31.128	31.80	12.70	8
❷	304.31.608	31.80	6.35	8

Z2
MAX: 18000 RPM

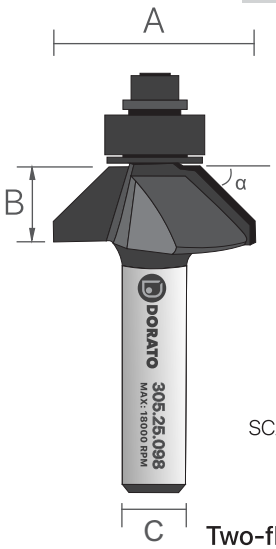




Two-flute, carbide-tipped with totally enclosed ball bearing guides.
Use for shiplap joints, tongue & groove joints, T-moldings, rabbeting, etc.

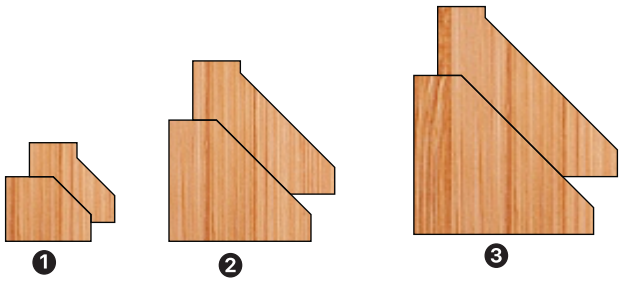
305 45° Chamfer Bit — HW/RH

	Code	A mm	B mm	C mm	α
❶	305.25.098	25.40	9.50	8	45°
❷	305.44.188	44.50	18.50	8	45°
❸	305.57.222	57.15	22.83	12	45°



Z2
MAX: 18000 RPM

SCALE 1:1



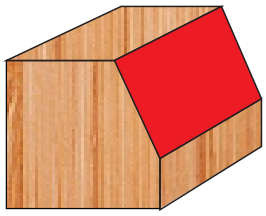
Two-flute, carbide-tipped with exchangeable ball bearing.
Ideal for beveling and decorative edges.Also used for producing a 45° edge for mitres.

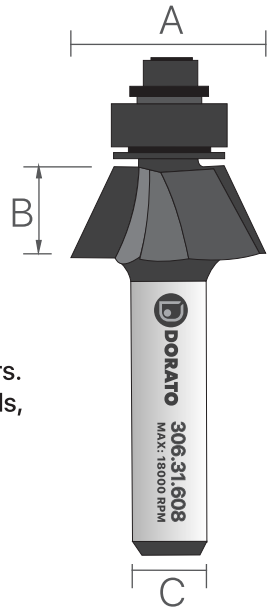
306 Bevel Trim Bit — HW/RH

	Code	A mm	B mm	C mm	α
❶	306.21.098	21	9.53	8	25°

Z2
MAX: 18000 RPM

SCALE 1:1

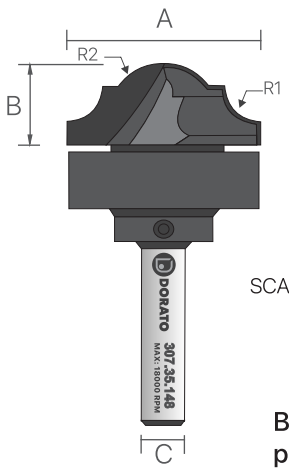




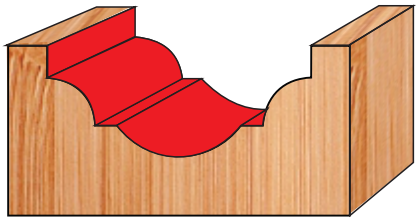
Two-flute trim cutter with bearing-guided bevel trimmers.
Different angles of chamfer are available.Accurate bevels,
great for edge working and cutting clean.

307 Bearing Classical Plunge Cutter HW/RH

	Code	A mm	B mm	C mm	R1	R2
1	307.35.148	35	14.40	8	6.35	10.32



SCALE 1:1





Z2
MAX: 18000 RPM

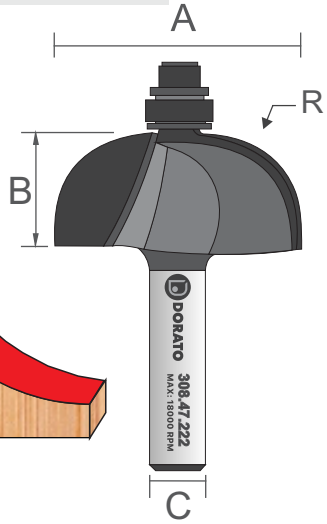
Bearing-guided classical plunge cutter with two flutes,
profile with a radiused bottom cut.Ideal for use with a simple template.

308 Bearing Core Box HW/RH

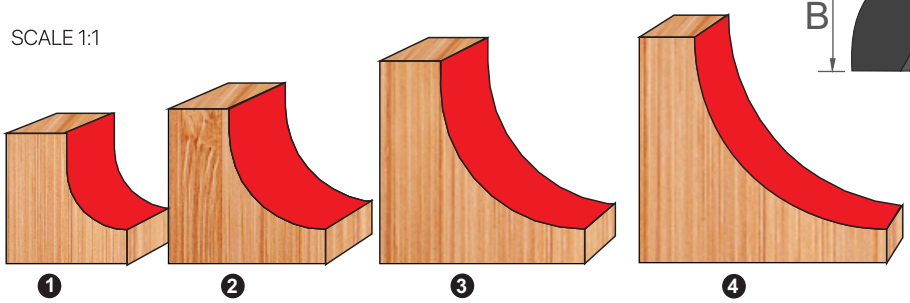


	Code	A mm	B mm	C mm	R
1	308.25.128	25.50	12.70	8	8
2	308.34.158	34.90	15.88	8	12.70
3	308.47.222	47.60	22.20	12	19.05
4	308.63.252	63.50	25.40	12	25.40

Z2
MAX: 18000 RPM



SCALE 1:1



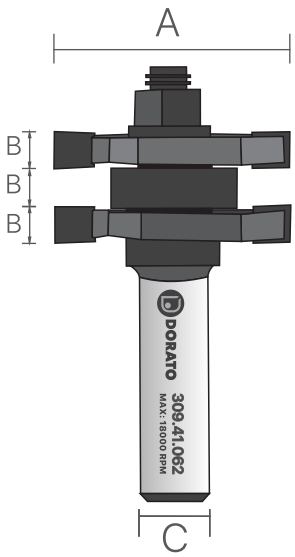
Two-flute cove cutter with an exchangeable bearing.
Ideal for decorative edges.Also used for drop-leaf tables.

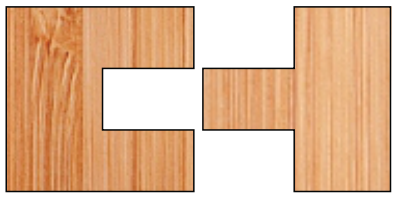
309 Tongue & Groove Set — HW/RH

	Code	A mm	B mm	C mm
1	309.41.062	41	6.40	12



Z2
MAX: 18000 RPM





Two-flute cutter for tongue and groove with wood thickness up to 19mm.
Cutting cutter and ball bearing can be interchanged on the arbor to alter the setup.

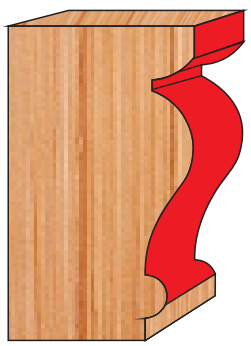
310 Decorative Moulding Cutter — HW/RH

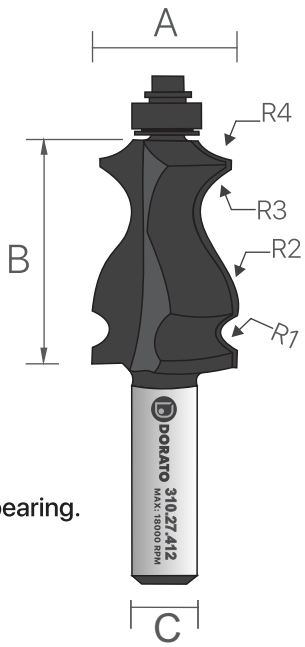
	Code	A mm	B mm	C mm	R1	R2	R3	R4
1	310.27.412	27	41.50	12	3.17	18	9	8



Z2
MAX: 18000 RPM

SCALE 1:1

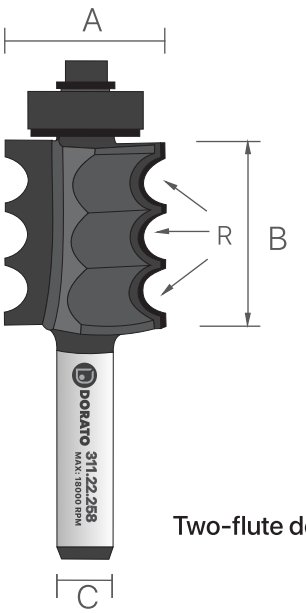




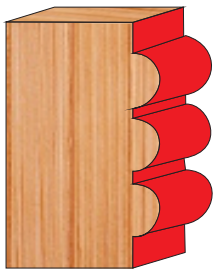
Two-flute decorative moulding cutter with exchangeable bearing.

311 Multi Reed Bit — HW/RH

	Code	A mm	B mm	C mm	R
1	311.22.258	22.20	25.40	8	3.18



SCALE 1:1



Z2
MAX: 18000 RPM

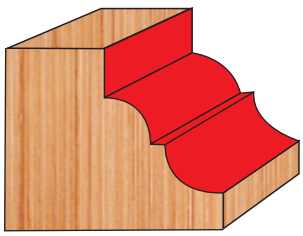
Two-flute decorative moulding cutter with exchangeable bearing.

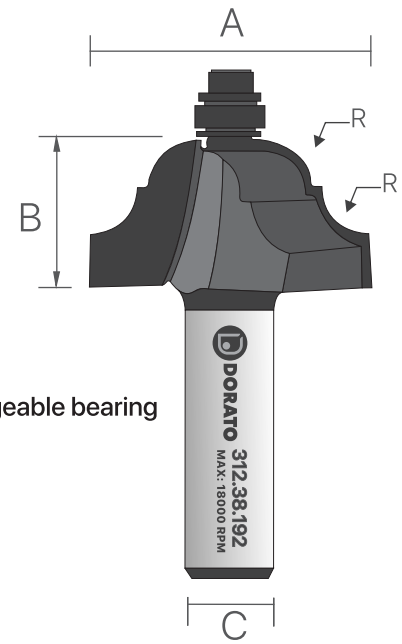
312 Classic Roman Ogee Bit — HW/RH

	Code	A mm	B mm	C mm	R
1	312.38.192	38.10	19.05	12	6.35

Z2
MAX: 18000 RPM

SCALE 1:1

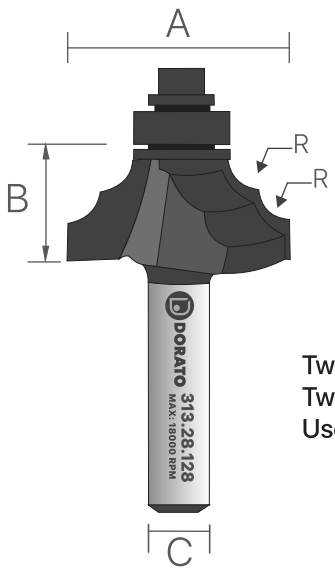




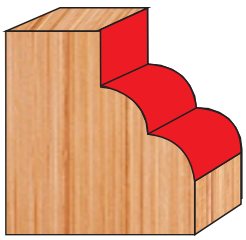
Two-flute classic Roman ogee cutter with exchangeable bearing and two identical radii.
The definitive pattern in perfect balance.

313 Double Round Bit HW/RH

	Code	A mm	B mm	C mm	R
❶	313.28.128	28.60	12.70	8	3.97
❷	313.38.172	38.10	17.46	12	6.35



SCALE 1:1



Z2
MAX: 18000 RPM

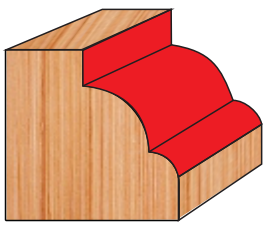
Two-flute double round cutter with exchangeable bearing.
Two identical radii in one cutter produce a double convex radius profile.
Use for decorative edges on moldings, picture frames, etc.

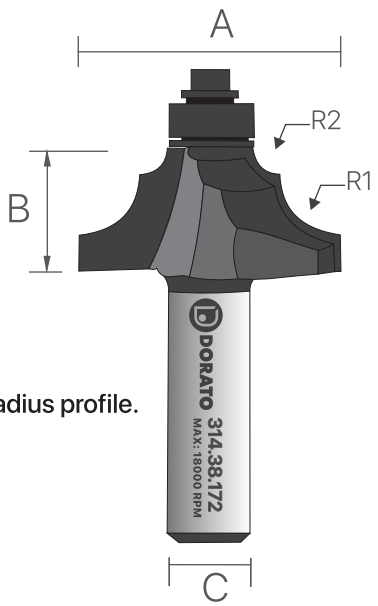
314 Double Round Bit HW/RH

	Code	A mm	B mm	C mm	R1	R2
❶	314.38.172	38.10	17.46	12	8.72	3.96

Z2
MAX: 18000 RPM

SCALE 1:1





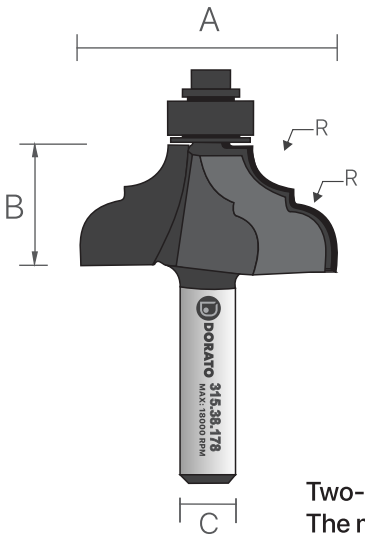
Two-flute double round cutter with exchangeable bearing.
Two identical radii in one cutter produce a double convex radius profile.
Use for decorative edges on moldings, picture frames, etc.

315 Ogee Filet Cutter — HW/RH

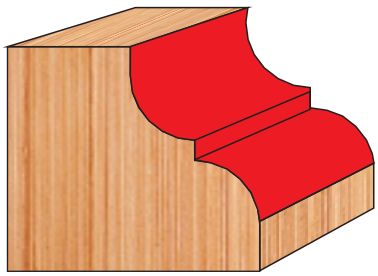
	Code	A mm	B mm	C mm	R
1	315.38.178	38.10	17.50	8	6.35



Z2
MAX: 18000 RPM



SCALE 1:1



Two-flute classic ogee cutter with exchangeable bearing.
The most complex of the ogee profiles.Flexible use.
Very decorative for more detailed cabinet work, particularly restoration.

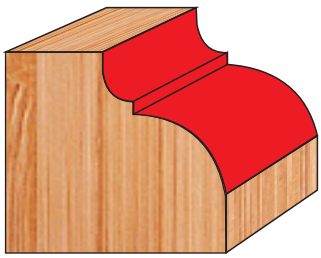
316 French Traditional Table Cutter — HW/RH

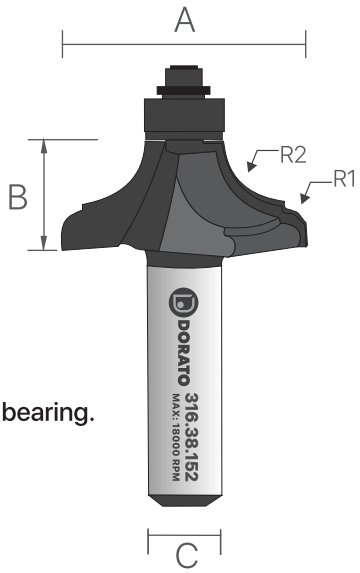
	Code	A mm	B mm	C mm	R1	R2
1	316.38.152	38.10	15.80	12	3.18	9.53



Z2
MAX: 18000 RPM

SCALE 1:1





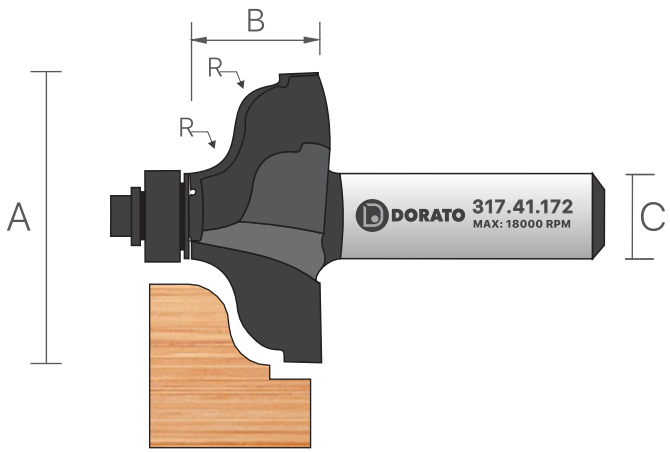
Two-flute French traditional table cutter with exchangeable bearing.
Traditional table edge moulding in the ogee style.

317 Ogee Filet Cutter — HW/RH

	Code	A mm	B mm	C mm	R
❶	317.41.172	41.30	17.50	12	6.35



Z2
MAX: 18000 RPM



Two-flute ogee filet cutter with exchangeable bearing.
A variation on the ogee profile, more clearly defining the top edge with a step.

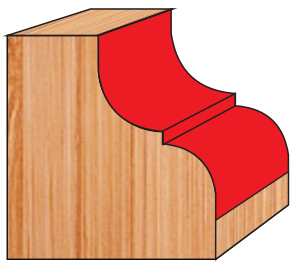
318 Plunge Ogee Bit — HW/RH

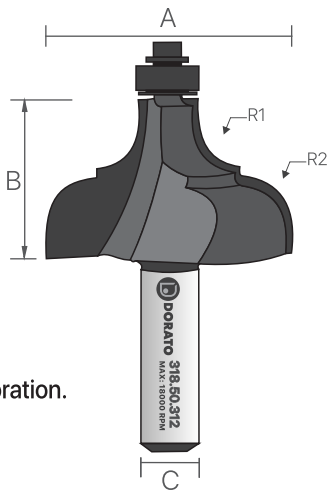


	Code	A mm	B mm	C mm	R1	R2
❶	318.50.312	50.80	31.75	12	8.73	10.55

Z2
MAX: 18000 RPM

SCALE 1:1



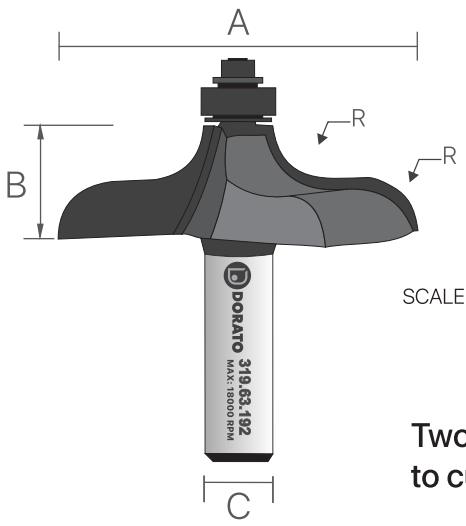


Two-flute classic ogee cutter with exchangeable bearing.
The most complex of the ogee profiles.Flexible use.
Very decorative for more detailed cabinet work, particularly restoration.

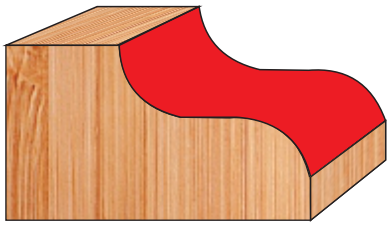
319 Traditional Table Edge Cutter HW/RH

	Code	A mm	B mm	C mm	R
1	319.63.192	63.50	19.05	12	9.53

Z2
MAX: 18000 RPM



SCALE 1:1



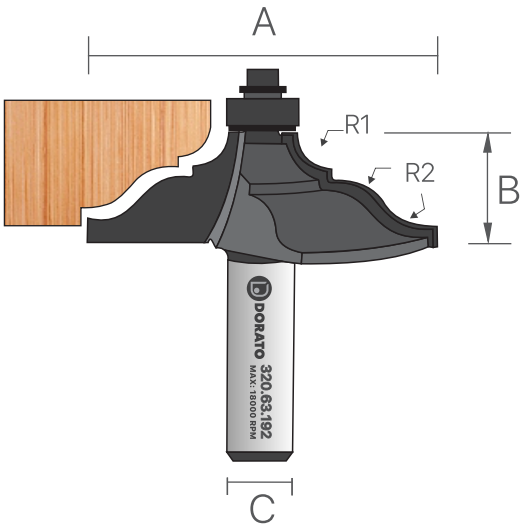
Two-flute cutter with 1/2" guide bearing to cut a traditional table top edge.

320 Classical Profile Cutter HW/RH

	Code	A mm	B mm	C mm	R1	R2
1	320.63.192	63.50	19.85	12	6.35	9.53

Z2
MAX: 18000 RPM

SCALE 1:1

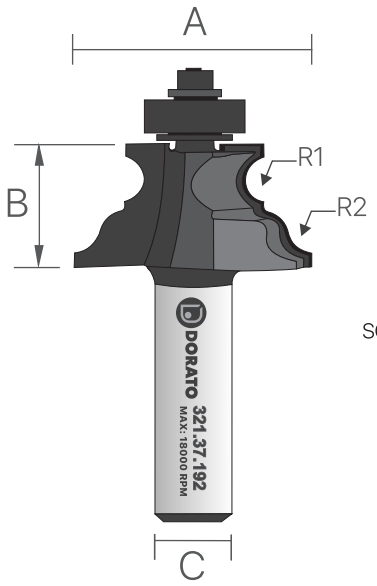


Two-flute classic ogee cutter with exchangeable bearing.
Multifunctional use, for example, for decorating and restoring furniture.

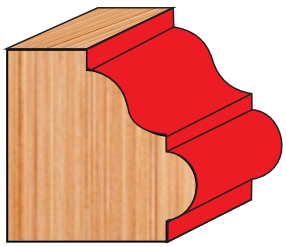
321 Multi Form Cutter — HW/RH

	Code	A mm	B mm	C mm	R1	R2
1	321.37.192	37.80	19.10	12	3.57	4.36

Z2
MAX: 18000 RPM



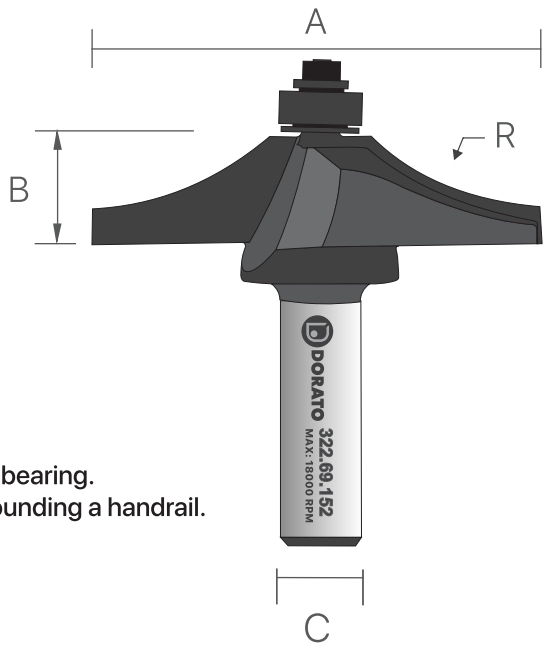
SCALE 1:1



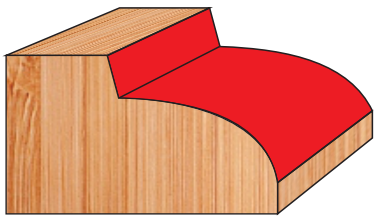
322 Table edge & Hand Rail Bit — HW/RH

	Code	A mm	B mm	C mm	R
1	322.69.152	69.54	15.90	12	44.50

Z2
MAX: 18000 RPM



SCALE 1:1

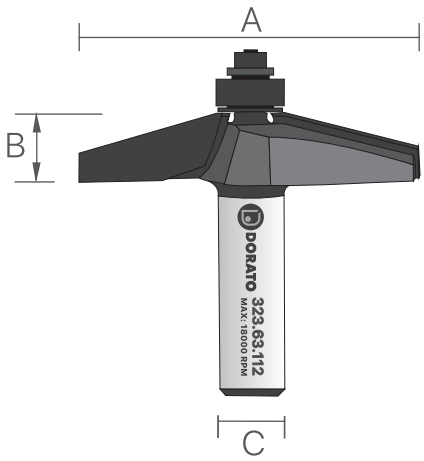


Two-flute thumb mould cutter with exchangeable bearing.
A quarter ellipse cutter that can also be used for rounding a handrail.

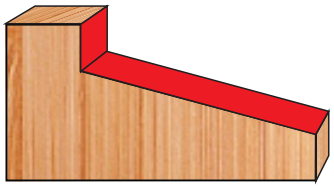
323 Horse Nose Bit — HW/RH

	Code	A mm	B mm	C mm	α
1	323.63.112	63.50	11.81	12	15°

Z2
MAX: 18000 RPM



SCALE 1:1

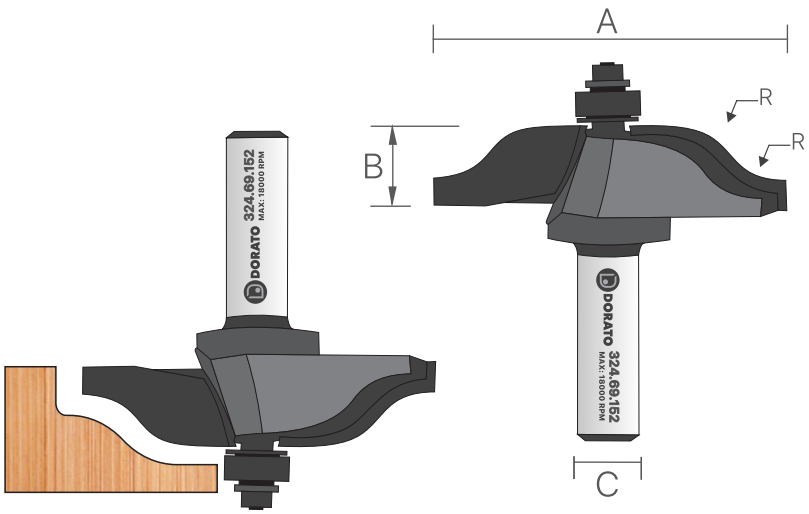


Two-flute, carbide-tipped with exchangeable ball bearing.
Ideal for beveling and decorative edges.

324 Horizontal Raised Panel Bit — HW/RH

	Code	A mm	B mm	C mm	R
1	324.69.152	69.90	15.90	12	13

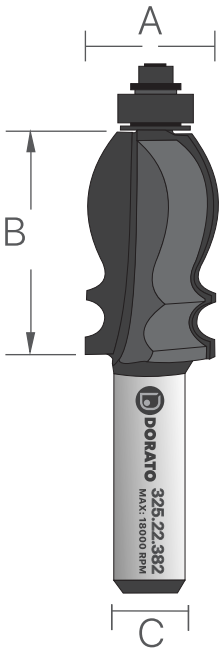
Z2
MAX: 18000 RPM



SCALE 1:1

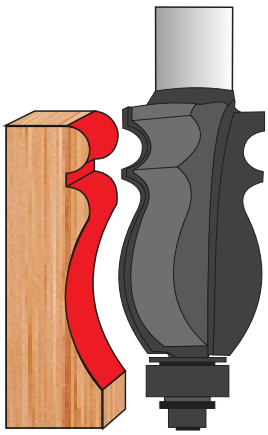
325 Decorative Moulding Cutter HW/RH

	Code	A mm	B mm	C mm
1	325.22.382	22.22	38.10	12



Z2
MAX: 18000 RPM

SCALE 1:1



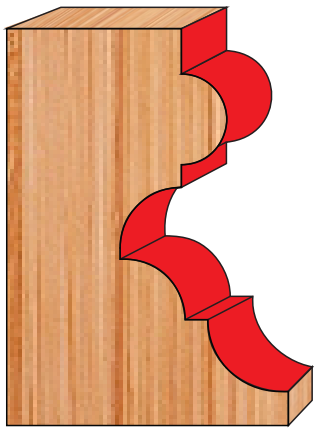
Two-flute decorative moulding cutter with exchangeable bearing.

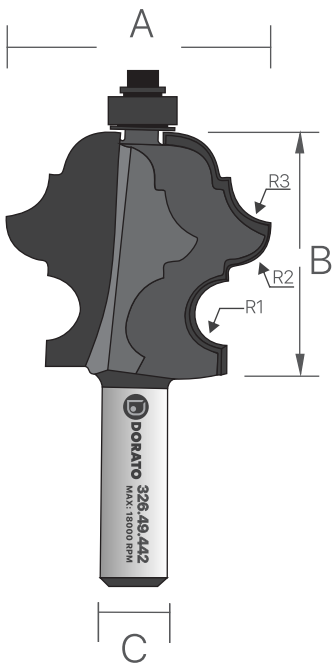
326 Multi Form Cutter HW/RH

	Code	A mm	B mm	C mm	R1	R2	R3
1	326.49.442	49.70	44.20	12	6	8	8

Z2
MAX: 18000 RPM

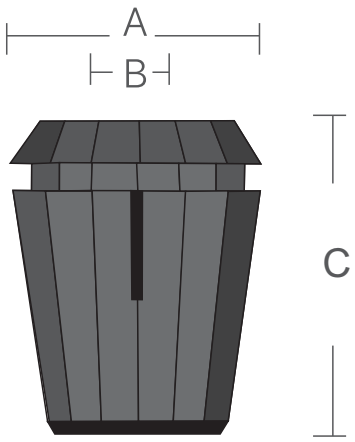
SCALE 1:1



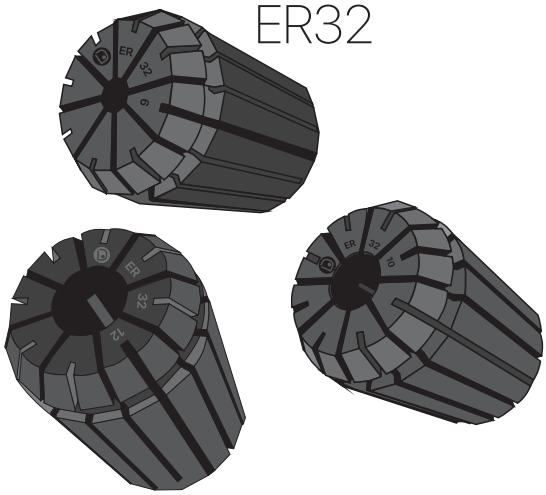




501 COLLET ER32



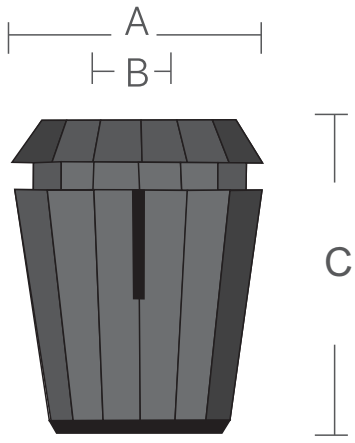
Code	A mm	B mm	C mm
501.03.40	33	3	40
501.04.40	33	4	40
501.06.40	33	6	40
501.08.40	33	8	40
501.10.40	33	10	40
501.12.40	33	12	40
501.14.40	33	14	40
501.16.40	33	16	40
501.18.40	33	18	40
501.20.40	33	20	40



ER32

Technical details:
Replaceable Standard Precision 0.015 collets.
0; -0.7mm wide clamping tolerance.
Replaceable High Precision 0.005 collets.
0; -1mm wide clamping tolerance.
Suitable for most conical chucks.
Fits most tapered spindle noses.
Special dimensions available on reques

540 COLLET ER40



Code	A mm	B mm	C mm
540.03.40	41	3	46
540.04.40	41	4	46
540.06.40	41	6	46
540.08.40	41	8	46
540.10.40	41	10	46
540.12.40	41	12	46
540.14.40	41	14	46
540.16.40	41	16	46
540.18.40	41	18	46
540.20.40	41	20	46
540.25.40	41	25	46

ER40

511 HIGH PRECISION CHUCK ISO30 ER32/ER40



CODE: 511.50.50
MAX: 30000 RPM

511 HIGH PRECISION CHUCK HSK-63F ER32/ER40

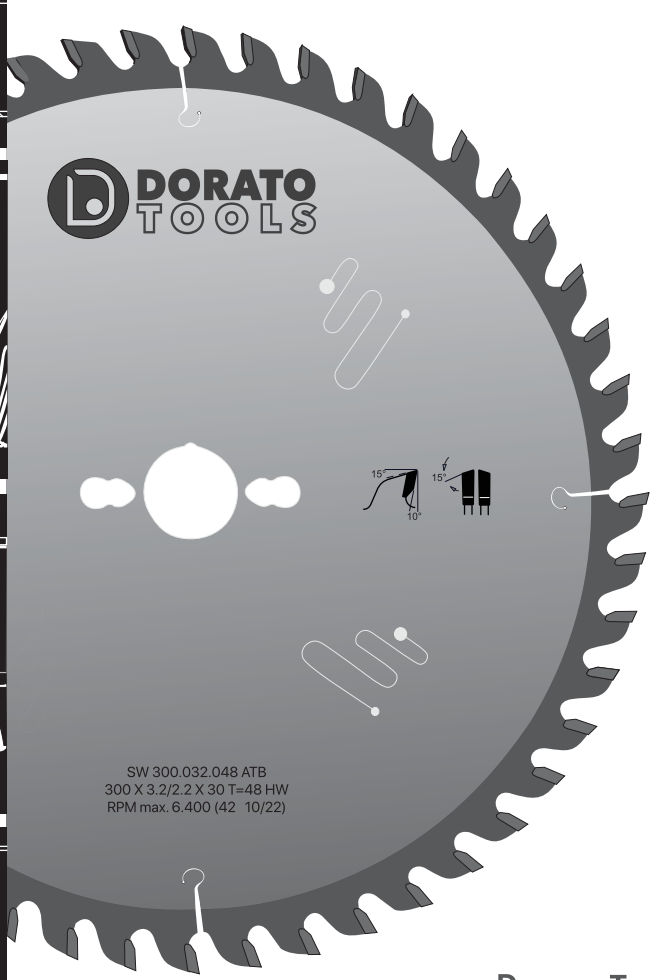


CODE: 511.50.63 F
MAX: 30000 RPM


DORATO
TOOLS

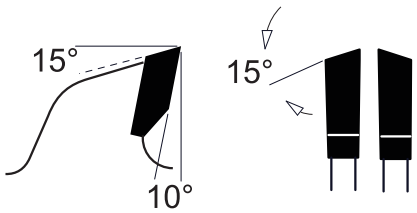
SW SAW BLADE

CARBIDE TIPPED | LONG LIFE



WOOD
MAX: 6400 RPM

ULTRA LOW NOISE



	Code	D mm	T	B mm	β	K mm	P mm
1	SW.250.032.048	250	48	30	ATB	3.2	2.2
2	SW.250.032.060	250	60	30	ATB	3.2	2.2
3	SW.300.032.048	300	48	30	ATB	3.2	2.2
4	SW.300.032.072	300	72	30	ATB	3.2	2.2
5	SW.300.032.096	300	96	30	ATB	3.2	2.2
6	SW.350.032.072	350	72	30	ATB	3.2	2.2


RIPS


CROSS


LAMINATE


HARDWOOD


WOOD


OSB


PLYWOOD

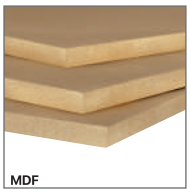
SM SAW BLADE

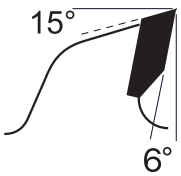
CARBIDE TIPPED | LONG LIFE

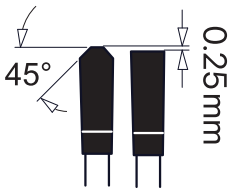
ULTRA LOW NOISE



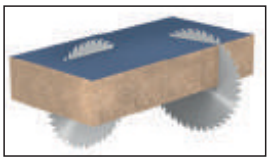


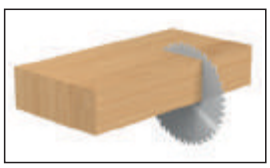


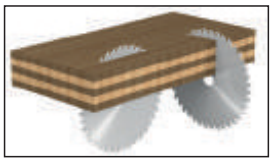




	Code	D mm	T	B mm	β	K mm	P mm
❶	SM.250.032.080	250	80	30	TCG	3.2	2.2
❷	SM.300.032.096	300	96	30	TCG	3.2	2.2
❸	SM.350.035.108	350	108	30	TCG	3.5	2.5







SSF CONICAL SCORING 120 X 3.1-4.3/2.2 X 20 Z24

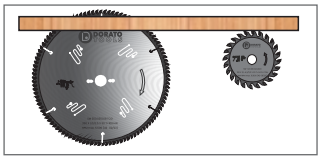
CARBIDE TIPPED LONG LIFE

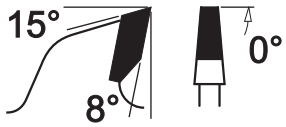


MACHINES









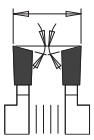
	Code	D mm	T	B mm	β	K mm	P mm
1	SSF.120.031.024.020	120	24	20	CON	3/1-4/3	2/2
2	SSF.125.031.024.020	125	24	20	CON	3/1-4/3	2/2

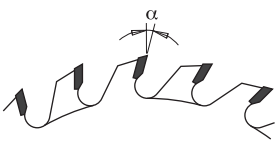
TIPS:
Suggested for machines with vertical regulation of the scoring blade.
Suggested for use with thick kerf or panel sizing blades.

SSF ADJUSTABLE SCORING 120 X 2.8/3.6 X 20 Z12+12

CARBIDE TIPPED LONG LIFE

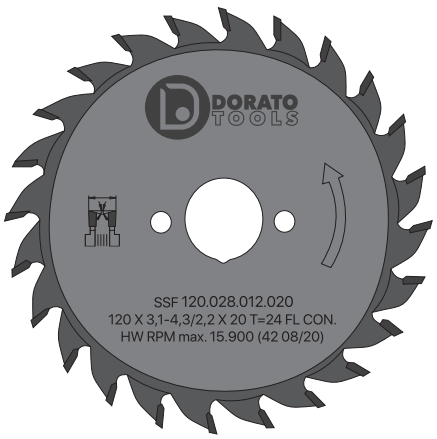
	Code	D mm	T	B mm	K mm
1	SSF.120.028.012.020	120	12+12	20	2/8-3/6
2	SSF.125.028.012.020	125	12+12	20	2/8-3/6













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