

NEXT LEVEL OF WOOD WORKING

[www.dorato.com.tr](http://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

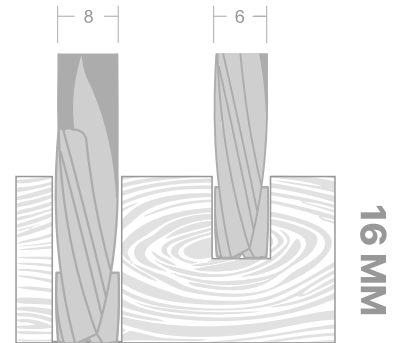
## EDITION 2025



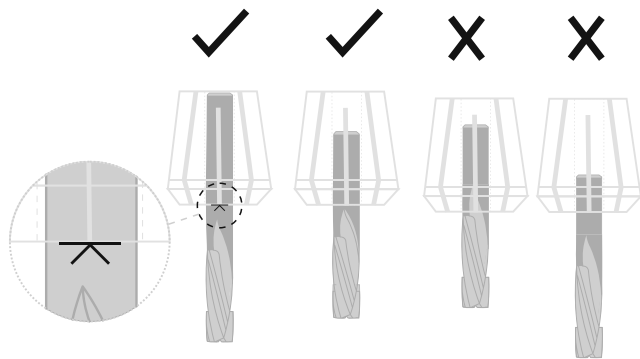
CALCULATE SUITABLE DIAMETER BIT FOR THICKNESS

**8 MM BIT OR 6MM (TWO STEPS)**

**BIT DIAMETER = ½ MATERIAL THICKNESS**



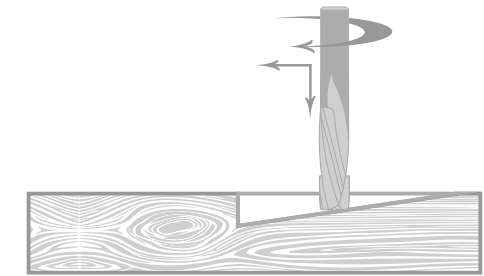
PUT IN THE RIGHT PLACE



FEED RATE



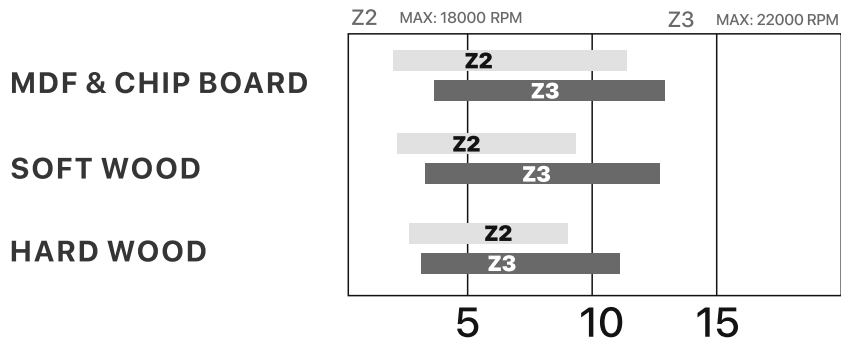
RPM  
(ROUND PER MINUTE)



START WITH RAMPING MOVE AND SLOW PLUNGE

**MATERIAL**

**FEED RATE RANGE (M/MIN)**



 **DORATO**  
TOOLS

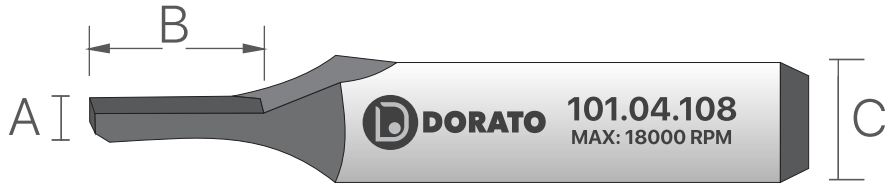


**101** Straight Bit HW/RH

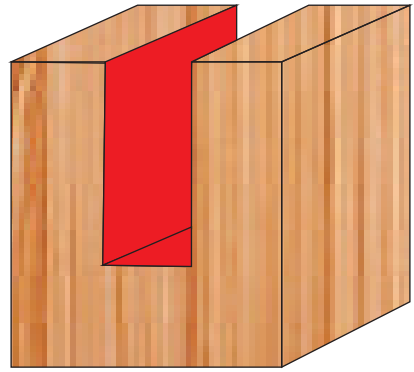
	Code	A mm	B mm	C mm
①	101.04.108	4	10	8



**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 possible with a single flute configuration.

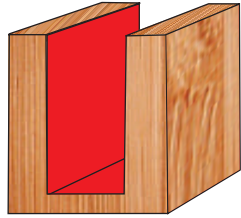
**102 Straight Bit** HW/RH



	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



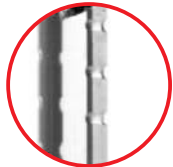
**Straight Bits** offer an array of features that exemplify our commitment to top-quality tools: razor-sharp edges, high-strength steel, and premium micrograin carbide.

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

**102-C Straight Bit** HW/RH

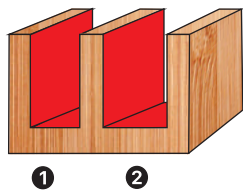


	Code	A mm	B mm	C mm
①	102.06.222-C	6	22	12
②	102.08.222-C	8	22	12



CHIP BREAKER

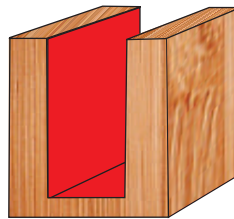
**Z2 CHIP BREAKER**  
MAX: 18000 RPM



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



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

112 Straight Bit

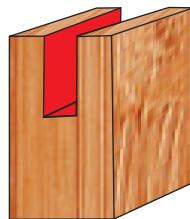
TCT/HW/RH



	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



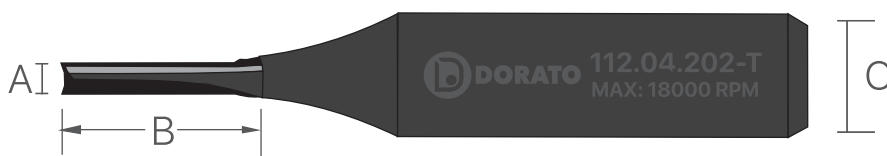
112-T Straight Bit

TCT/HW/RH



Z2  
TITANIUM COATING  
MAX: 18000 RPM

	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



**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

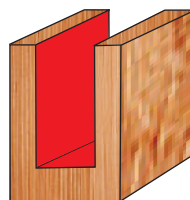
**CHIP BREAKER**

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

**113-T Straight Bit**
**TCT/HW/RH**

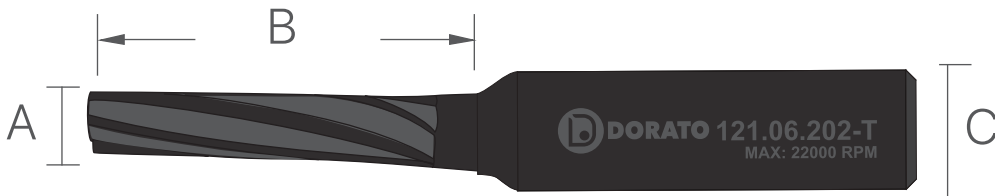
**Z3 CHIP BREAKER**  
**TITANIUM COATING**  
 MAX: 22000 RPM

	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



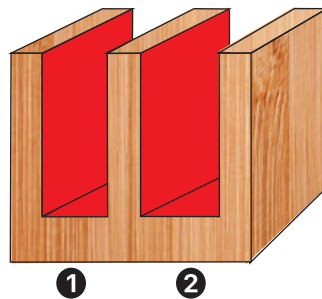
**121-T** Spiral Bit **TCT/HW/RH**

	Code	A mm	B mm	C mm
①	121.06.202-T	6	20	12
②	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.

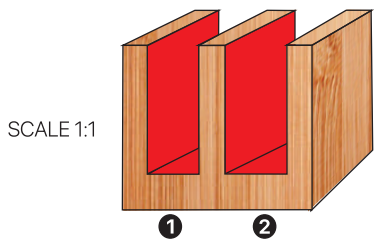
**122 Spiral Bit** TCT/HW/RH



	Code	A mm	B mm	C mm
①	122.06.202	6	20	12
②	122.08.202	8	20	12



**Z2+2**  
MAX: 22000 RPM



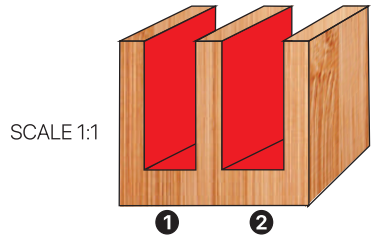
**Technical details:**  
 - Premium quality super-micrograin carbide  
 - 2+2 spiral cutting edges [Z2+2].  
 - Provides excellent finish on both top and bottom sides of the workpiece

**122-T Spiral Bit** TCT/HW/RH

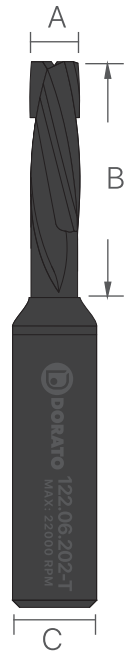


**Z2+2**  
**TITANIUM COATING**  
MAX: 22000 RPM

	Code	A mm	B mm	C mm
①	122.06.202-T	6	20	12
②	122.08.202-T	8	20	12



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



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

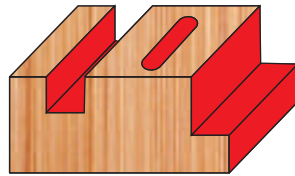
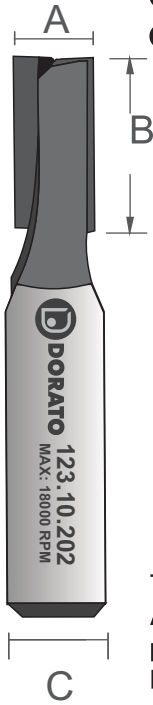
BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

**123** Cleaning Bottom Straight Bit HW/ RH

	Code	A mm	B mm	C mm
①	123.10.202	10	20	12
②	123.12.202	12	20	12



SCALE 1:1



**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
①	123.06.202-T	6	20	12
②	123.08.202-T	8	20	12
③	123.10.402-T	10	40	12



**Z2+2 CHIP BREAKER  
TITANIUM COATING**  
MAX: 22000 RPM





 **DORATO**  
TOOLS



**DORATO**  
TOOLS

CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

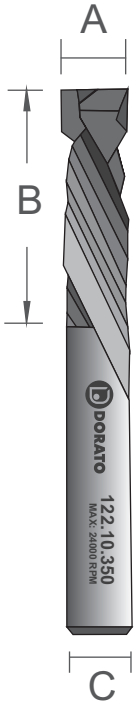
BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

**122** Spiral Bit

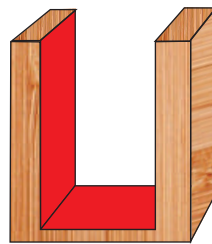
TCT/HW/RH



	Code	A mm	B mm	C mm
①	122.06.226	6	22	6
②	122.08.228	8	22	8
③	122.10.350	10	35	10



**Z2+2**  
**UP-DOWN SPIRAL**  
MAX: 22000 RPM



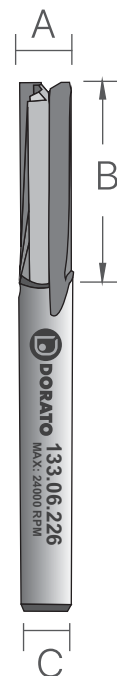
*Premium Quality*

**133** Straight Bit

TCT/HW/RH

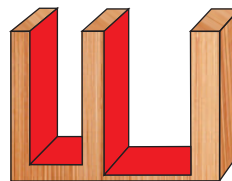


	Code	A mm	B mm	C mm
①	133.06.206	6	20	6
③	133.06.226	6	22	6
④	133.08.228	8	22	8
⑤	133.08.328	8	32	8
⑥	133.10.320	10	32	10



**Z3**  
MAX: 24000 RPM

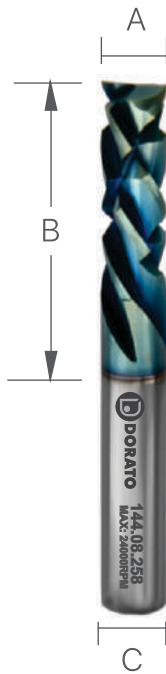
SCALE 1:1



*Premium Quality*

**144 SPIRAL ROUTER BIT**

TCT/HW/RH

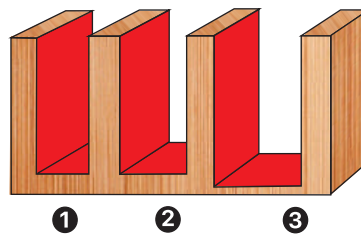


	Code	A mm	B mm	C mm
①	144.06.256	6	25	6
②	144.08.258	8	25	8
③	144.10.350	10	35	10



**Z4+2**  
**DIAMOND COATING**  
MAX: 24000 RPM

SCALE 1:1



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.

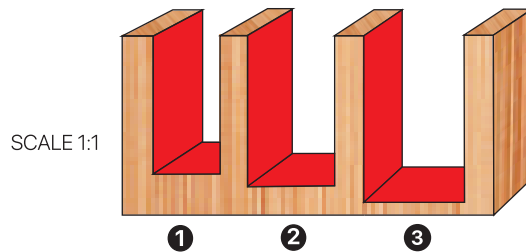
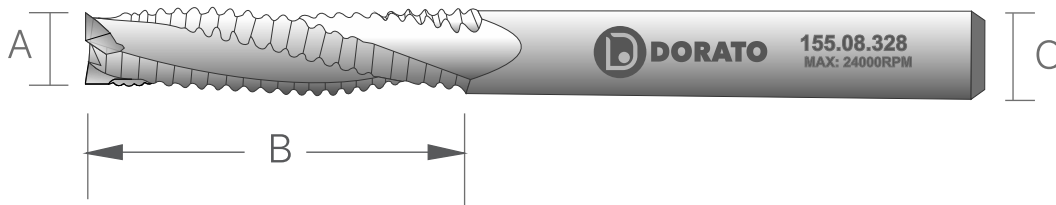
spiral bits can be used on a handheld router or CNC for a range of cuts, including dados, rabbets, grooves, plunge cuts and through cuts.

*Premium Quality*

155 SPIRAL BIT

TCT/HW/RH

	Code	A mm	B mm	C mm
①	155.08.328	8	32	8
②	155.10.320	10	32	10
③	155.12.522	12	52	12



**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

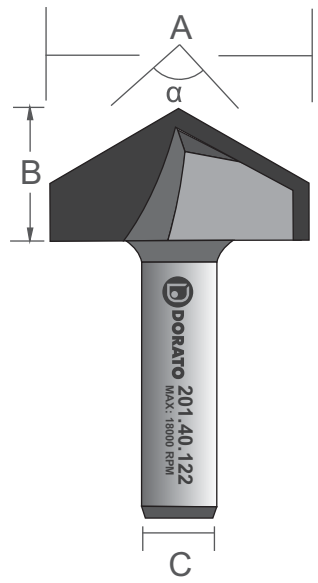
201 V BIT

HW/RH

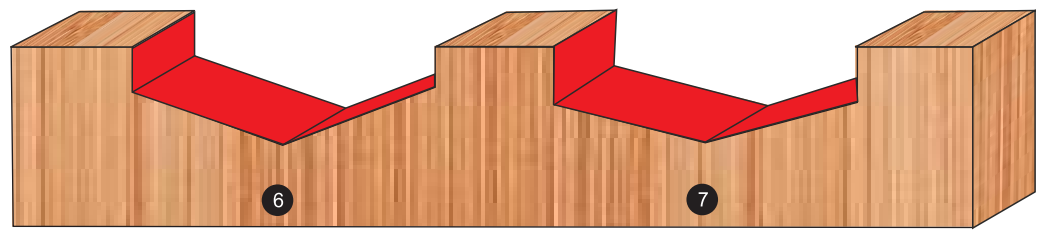
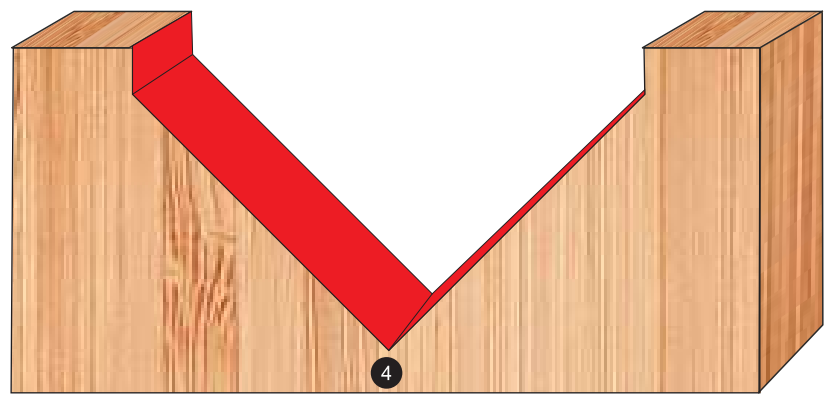
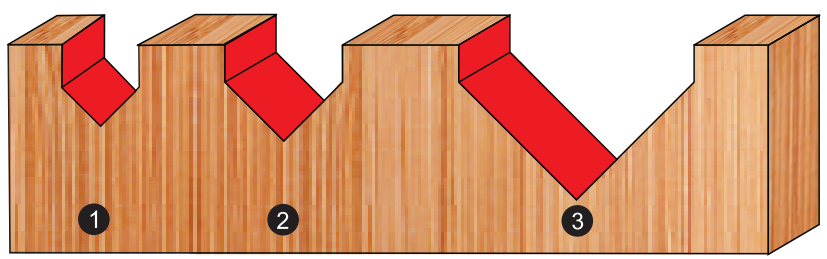
	Code	A mm	B mm	C mm	$\alpha$
①	201.12.908	12.70	12.70	8	90°
②	201.19.902	19.05	17.50	12	90°
③	201.38.902	38.10	25	12	90°
④	201.68.902	68	40.25	12	90°
⑤	201.40.122	40	20	12	120°
⑥	201.40.142	40	12.70	12	140°
⑦	201.60.142	60	12.70	12	140°
⑧	201.40.152	40	12.70	12	150°
⑨	201.60.152	60	12.70	12	150°



Z2  
MAX: 18000 RPM

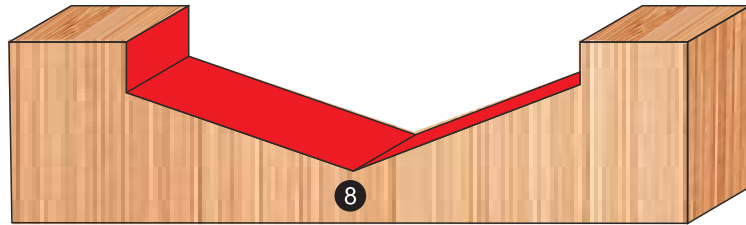


SCALE 1:1

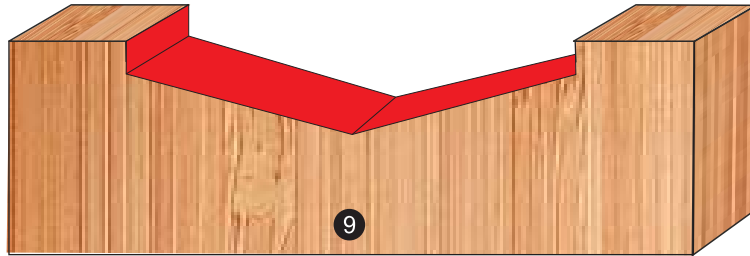


**201 V BIT**

HW/RH



SCALE 1:1



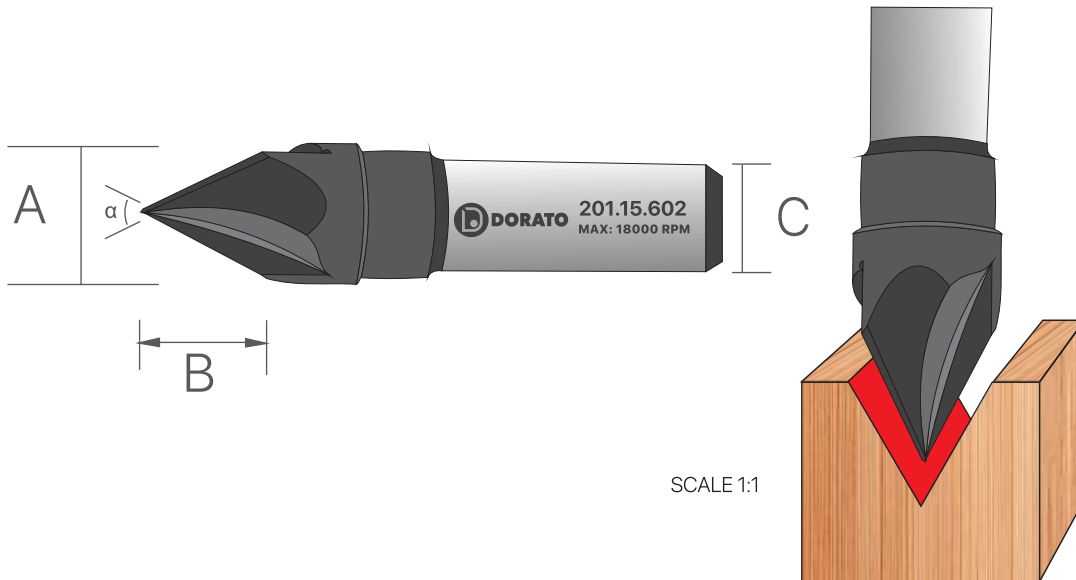
**201 Laser Point Bit**

HW/RH



	Code	A mm	B mm	C mm	$\alpha$
①	201.15.602	15.10	13.10	12	60°

**Z2**  
MAX: 18000RPM



SCALE 1:1

CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE



**DORATO**  
TOOLS

CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

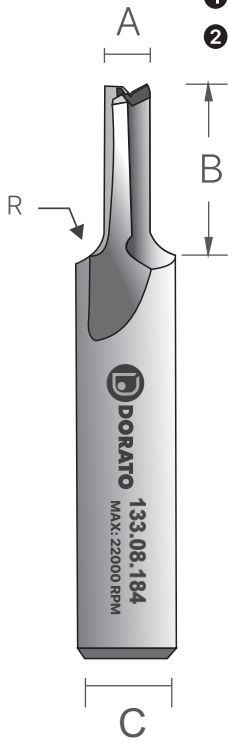
CNC EQUIPMENT

SAW BLADE

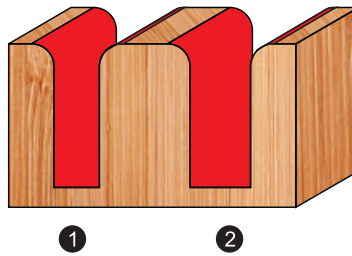
**133R** Plunging Round-Over Bit

HW/RH

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



SCALE 1:1



**Z3**  
MAX: 22000 RPM

*Premium Quality*

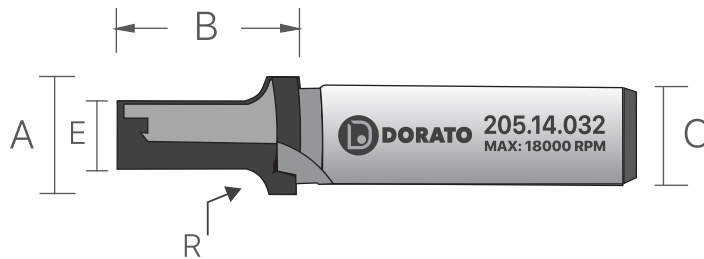
**205** Plunging Round-Over Bit

HW/RH

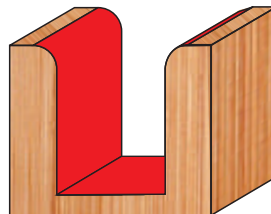
	Code	A mm	B mm	C mm	E mm	R
①	205.14.032	14	21.50	12	8	3



**Z2+1**  
MAX: 18000 RPM



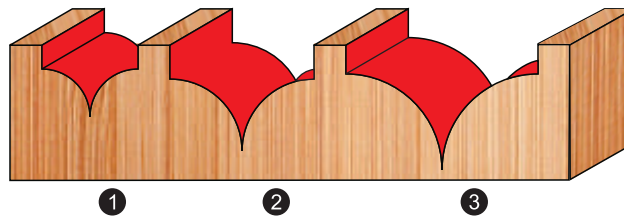
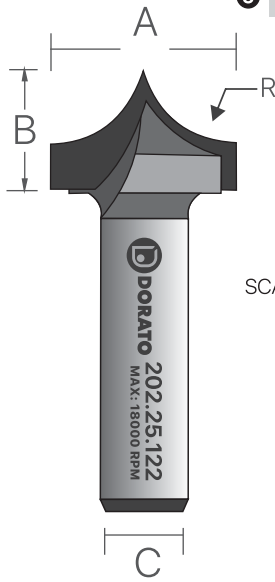
SCALE 1:1



**202 Carving Bit**

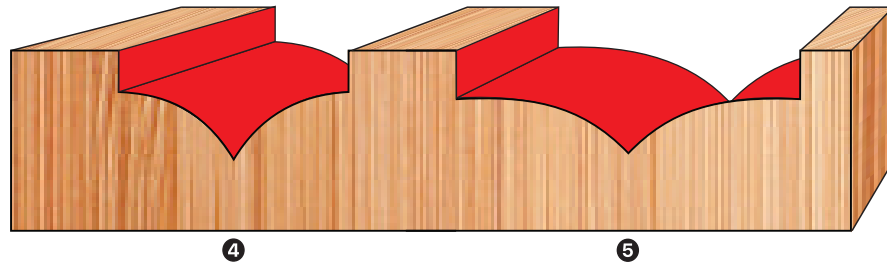
HW/RH

	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



Z2  
MAX: 18000 RPM

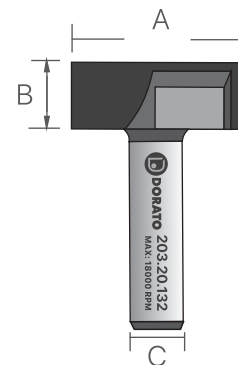
SCALE 1:1



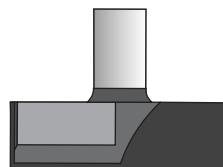
**203 Cleaning Bottom Bit**

HW/RH

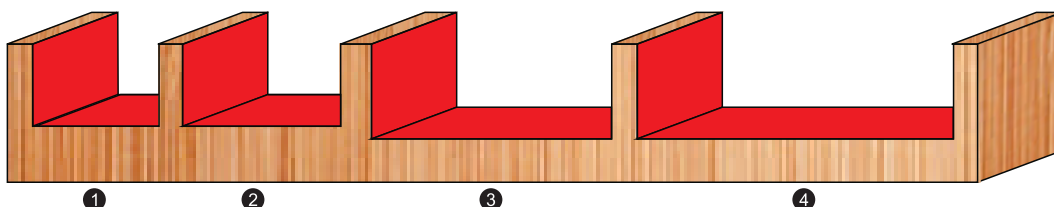
	Code	A mm	B mm	C mm
①	203.20.132	20	13	12
②	203.25.132	25	13	12
③	203.38.152	38	15	12
④	203.50.152	50	15	12



Z2  
MAX: 18000 RPM



SCALE 1:1



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

CNC ROUTER BITS

STRAIGHT ROUTER BITS

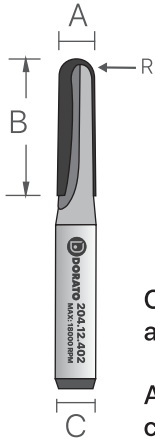
PROFILE ROUTER BITS

BALL BEARINGS BITS

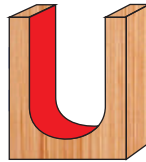
CNC EQUIPMENT

SAW BLADE

**204 Round Nose Bit** HW/RH



	Code	A mm	B mm	C mm	R
①	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 bit ensures a perfectly curved groove.



Z2  
MAX: 18000 RPM

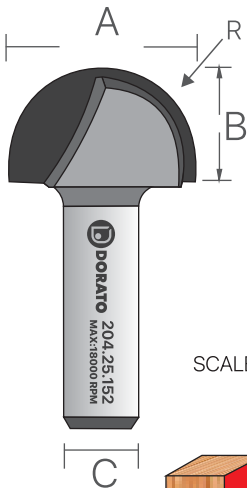
**204 Cove Box Bit** HW/RH



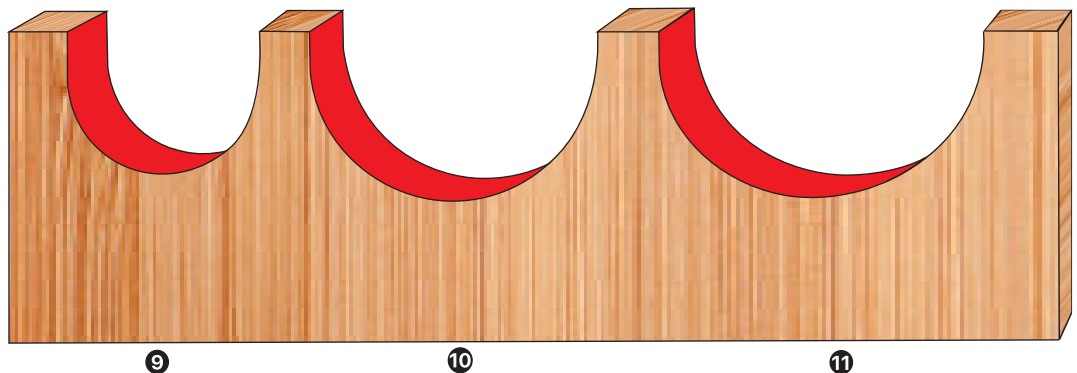
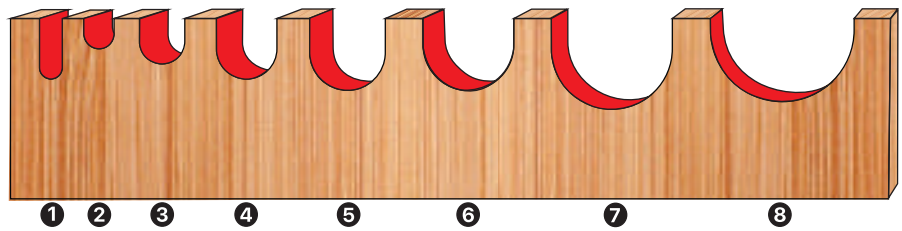
	Code	A mm	B mm	C mm	R
①	204.03.088	3	8	8	1.50
②	204.04.048	4	4	8	2
③	204.06.072	6	7	12	3
④	204.08.062	8	6.50	12	4
⑤	204.10.752	10	7.50	12	5
⑥	204.12.092	12	9	12	6
⑦	204.16.112	16	11	12	8
⑧	204.19.122	19	12.50	12	9.50
⑨	204.25.152	25.40	15	12	12.70
⑩	204.38.222	38.10	22.50	12	19.05
⑪	204.50.282	50.80	28.50	12	40



Z2  
MAX: 18000 RPM



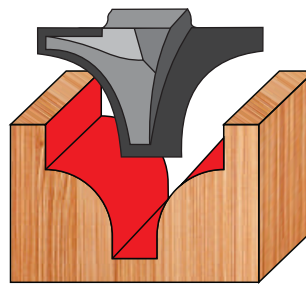
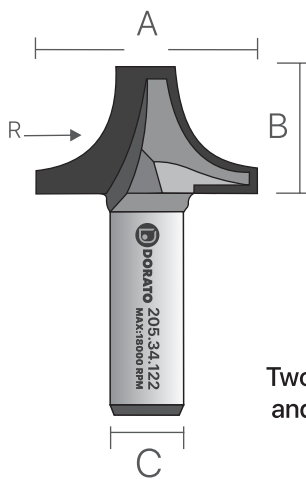
SCALE 1:1



**205** Plunging Round-Over Bit

HW/RH

	Code	A mm	B mm	C mm	R
①	205.19.062	19.10	15.93	12	6.35
②	205.33.122	33.40	25.40	12	12.70
③	205.34.122	34.90	16.20	12	12.70
④	205.34.252	34.90	25.40	12	12.70
⑤	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

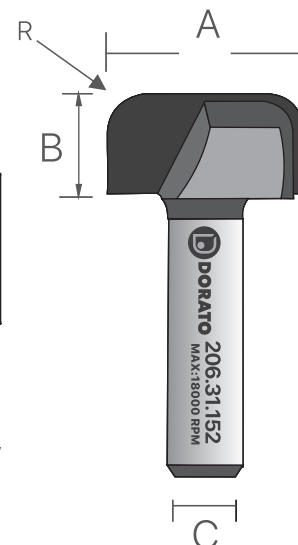
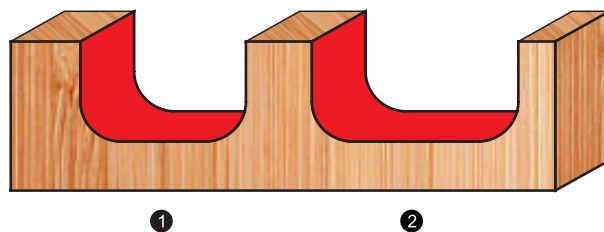
HW/RH

	Code	A mm	B mm	C mm	R
①	206.25.152	25.40	15.90	12	6.35
②	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.

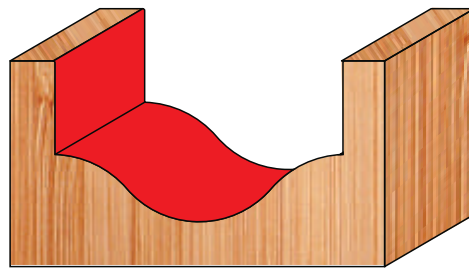
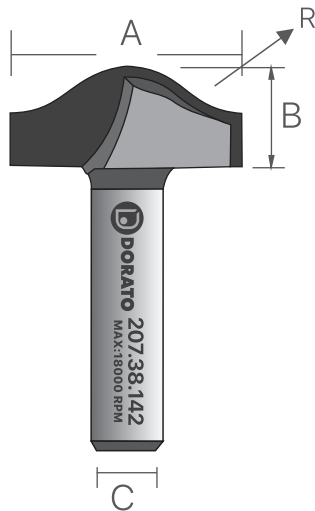
**207 PROFILE BIT**

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



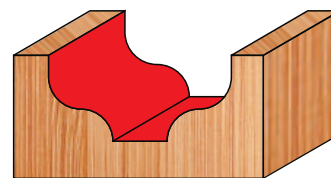
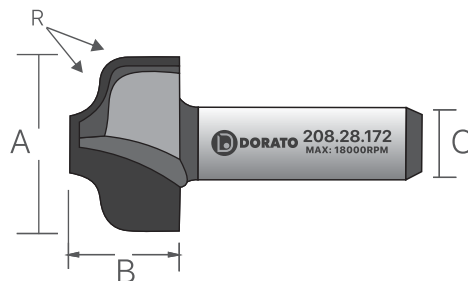
**208 Ogee Bit**

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



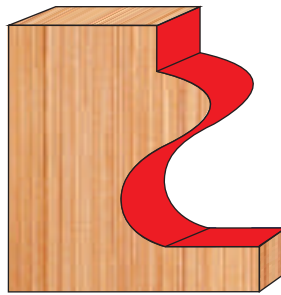
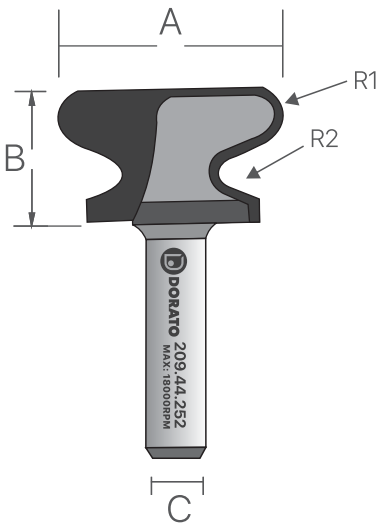
**Z2**  
MAX: 18000 RPM



**209 Double Finger Bit**

HW/RH

	Code	A mm	B mm	C mm	R1	R2
①	209.19.172	19.05	17.03	12	4.76	2.38
②	209.44.252	44.45	25	12	6.10	3.30



**Z2**  
MAX: 18000RPM

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

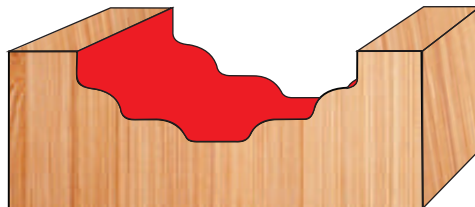
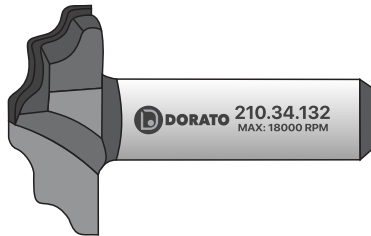
**210 Classical Plunge Bit**

HW/RH

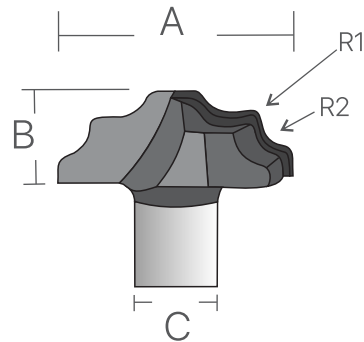


	Code	A mm	B mm	C mm	R1	R2
①	210.34.132	34	13	12	1.50	4

**Z2**  
MAX: 18000RPM



SCALE 1:1



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

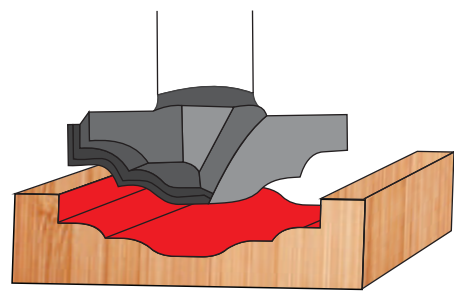
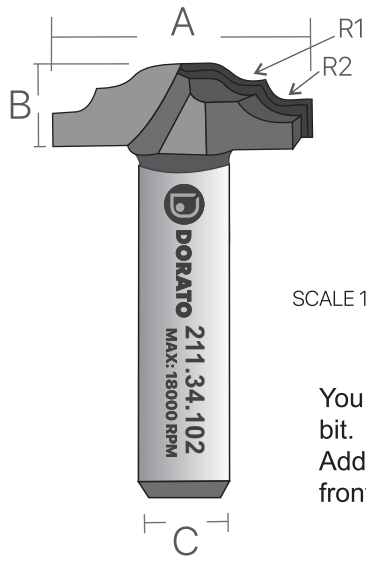
BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

**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



**Z2**  
MAX: 18000 RPM

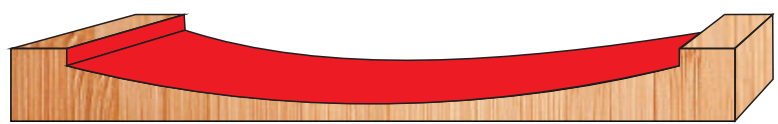
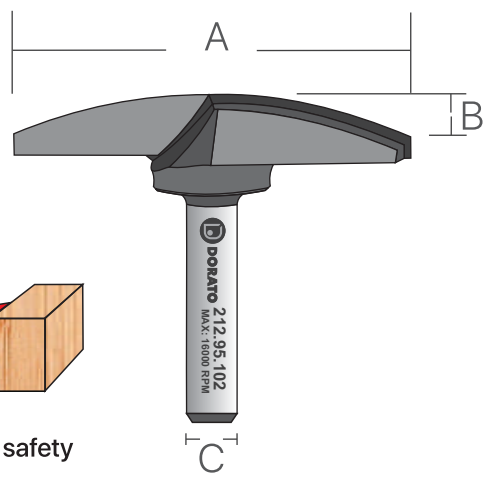
You will never run out of ideas with this creative bit.  
 Add a classic touch to any edge or highlight door fronts and panels with decorative layered effects.

**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

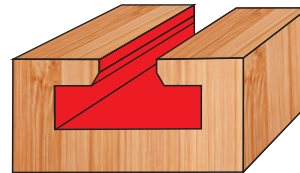
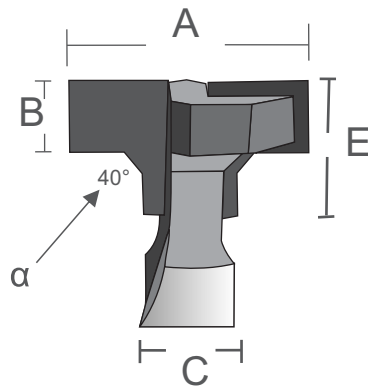
Its anti-kickback design is fundamental in further improving safety when working with larger diameter bits.

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	$\alpha$
①	213.28.162	28	8.50	12	16	40°
②	213.28.166	28	8.50	6	16	40°


**Z2**  
 MAX: 18000 RPM

**214 Dovetail Bit**

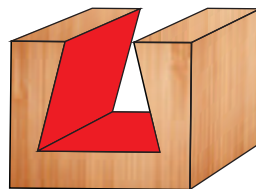
HW/RH



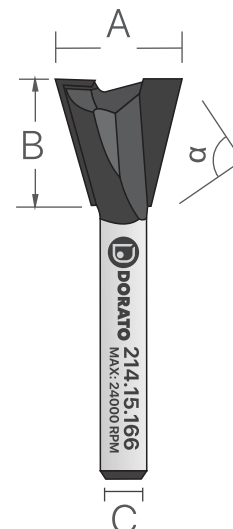
	Code	A mm	B mm	C mm	$\alpha$
①	214.15.166	15.90	16	6	14°

**Z2**  
 MAX: 24000 RPM

SCALE 1:1



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



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

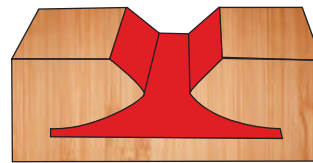
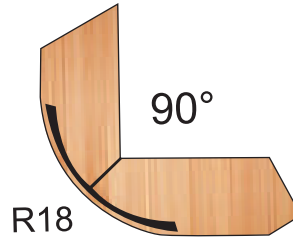
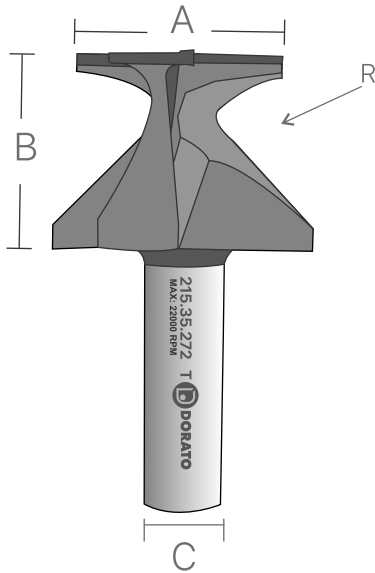
**215 Arc Bending Integrated Router Bit**

HW/RH

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



**Z3**  
MAX: 18000RPM



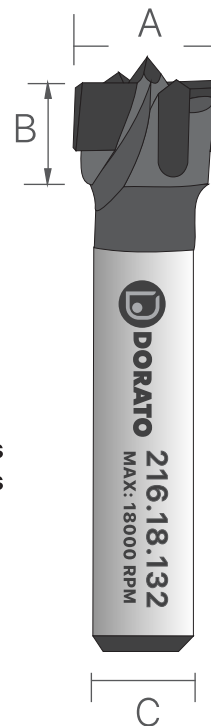
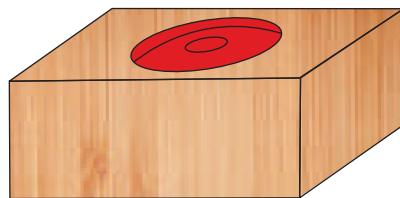
**216 Hinge Boring Bit**

HW/RH



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

MAX: 18000RPM



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.

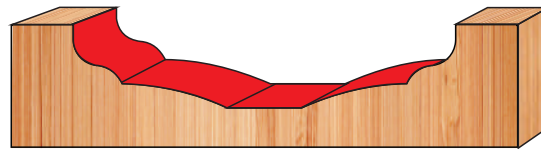
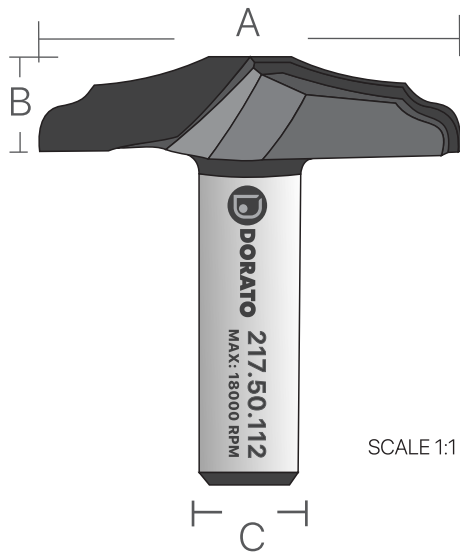
**217** Classical plunge Bit

HW/RH

	Code	A mm	B mm	C mm
①	217.34.122	34.90	12	12
②	217.50.112	50.80	11	12

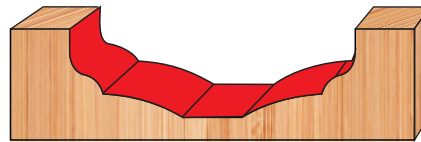


**Z2**  
MAX: 18000 RPM



②

SCALE 1:1



①

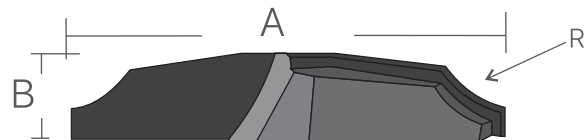
**218** Classical plunge Bit

HW/RH

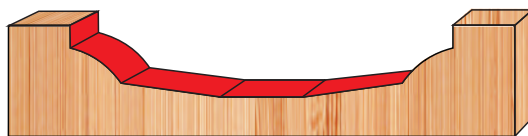
	Code	A mm	B mm	C mm	R
①	218.50.902	50.80	9.50	12	11.10



**Z2**  
MAX: 18000 RPM



SCALE 1:1



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

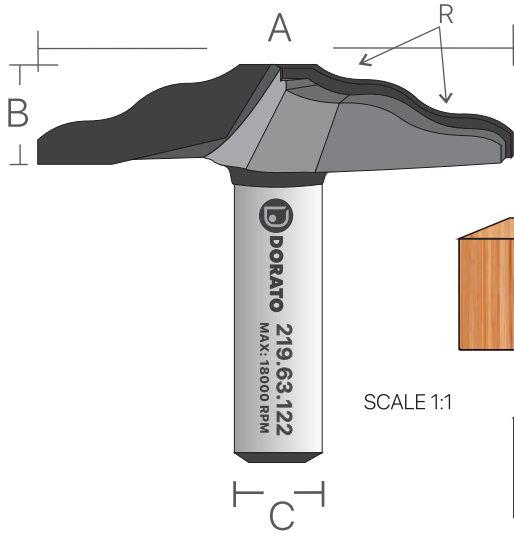
CNC EQUIPMENT

SAW BLADE

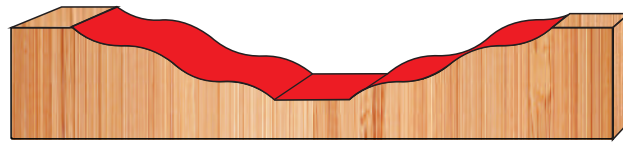
**219** Classical plunge Bit

HW/RH

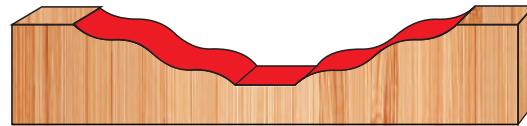
	Code	A mm	B mm	C mm	R
①	219.50.112	50.80	11	12	7.14
②	219.63.122	63.50	12.50	12	9.53



**Z2**  
MAX: 18000RPM



SCALE 1:1



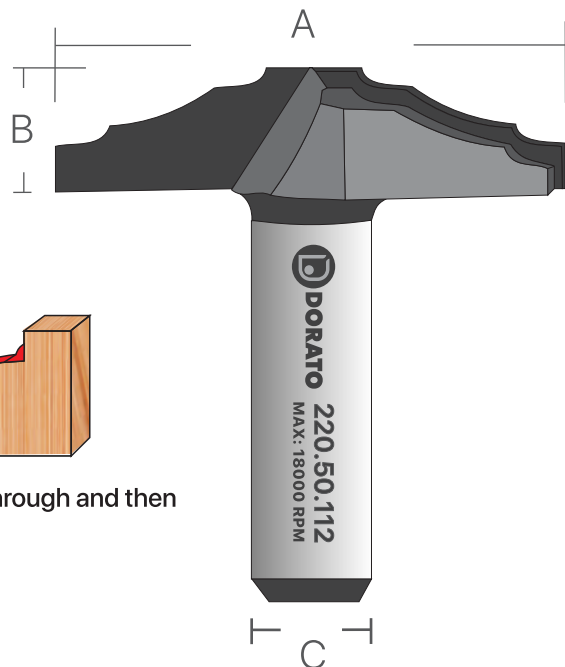
**220** Classical plunge Bit

HW/RH

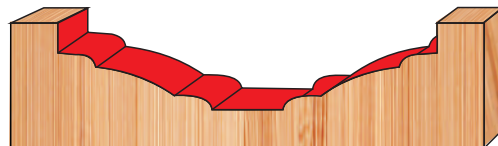
	Code	A mm	B mm	C mm
①	220.50.112	50.80	11.60	12



**Z2**  
MAX: 18000RPM



SCALE 1:1

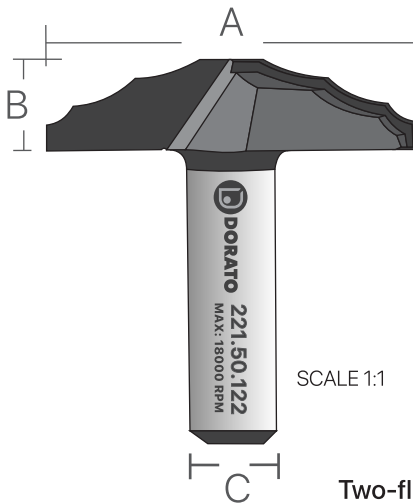


Two-flute combination cutters for piercing through and then rounding over in the operation.

**221** Classical plunge Bit

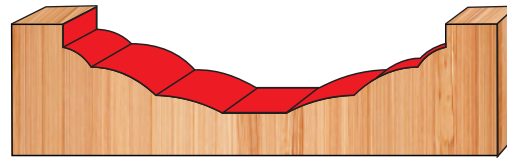
HW/RH

	Code	A mm	B mm	C mm
①	221.50.122	50.80	12	12



**Z2**  
MAX: 18000RPM

SCALE 1:1



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

**222** Classical plunge Bit

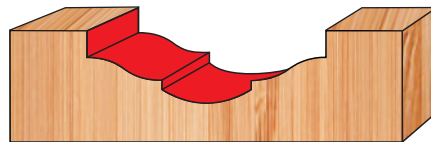
HW/RH



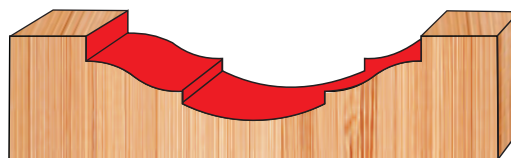
	Code	A mm	B mm	C mm
①	222.31.902	31.80	9.53	12
②	222.44.112	44.50	11.10	12

**Z2**  
MAX: 18000RPM

SCALE 1:1



①



②



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

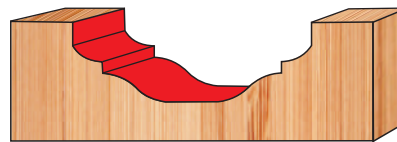
**223** Classical plunge Bit

HW/RH

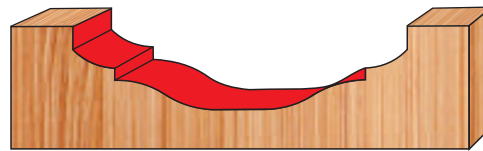
	Code	A mm	B mm	C mm
①	223.31.102	31.80	10.50	12
②	223.44.112	44.50	11	12



SCALE 1:1



①



②

**Z2**  
MAX: 18000RPM

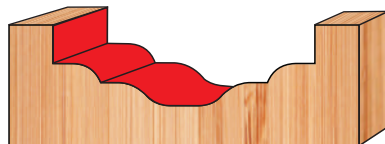
**224** Classical plunge Bit

HW/RH



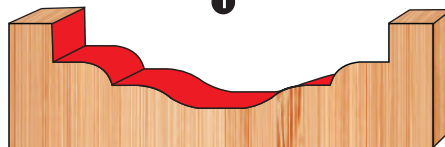
	Code	A mm	B mm	C mm
①	224.34.102	34.90	10.50	12
②	224.44.112	44.45	11	12

**Z2**  
MAX: 18000RPM

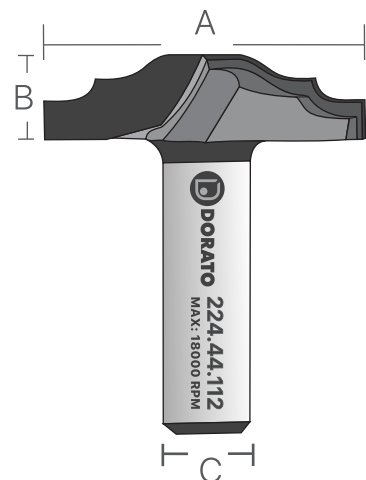


①

SCALE 1:1



②



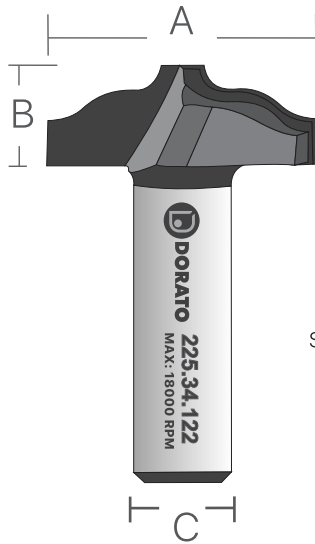
**225** Classical plunge Bit

HW/RH

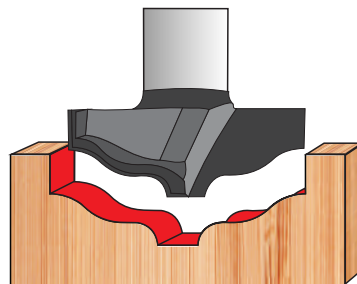
	Code	A mm	B mm	C mm
①	225.34.122	34	12	12



**Z2**  
MAX: 18000 RPM



SCALE 1:1



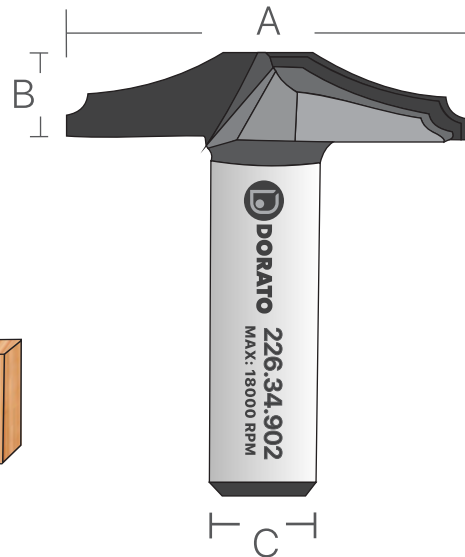
**226** Classical plunge Bit

HW/RH

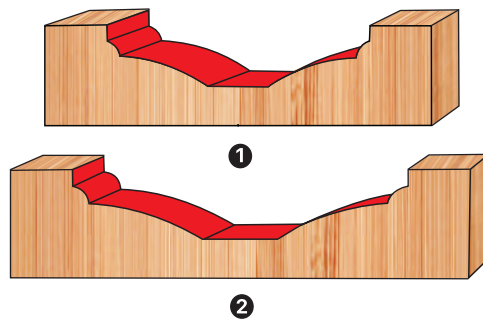


	Code	A mm	B mm	C mm
①	226.34.902	34.90	9.53	12
②	226.44.902	44.50	9	12

**Z2**  
MAX: 18000 RPM



SCALE 1:1



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

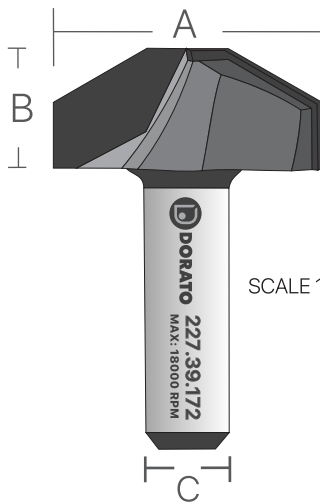
CNC EQUIPMENT

SAW BLADE

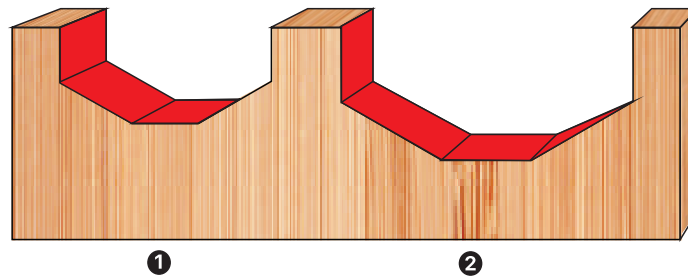
**227** Bevel Raised Panel Bit

HW/RH

	Code	A mm	B mm	C mm	$\alpha$
①	227.28.122	28.57	12.70	12	30°
②	227.39.172	39.25	17.46	12	30°



SCALE 1:1



**Z2**  
MAX: 18000RPM

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

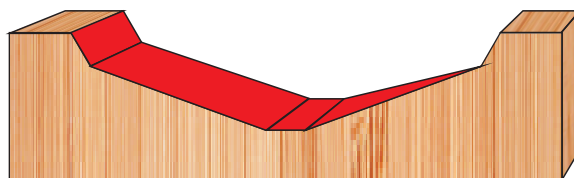
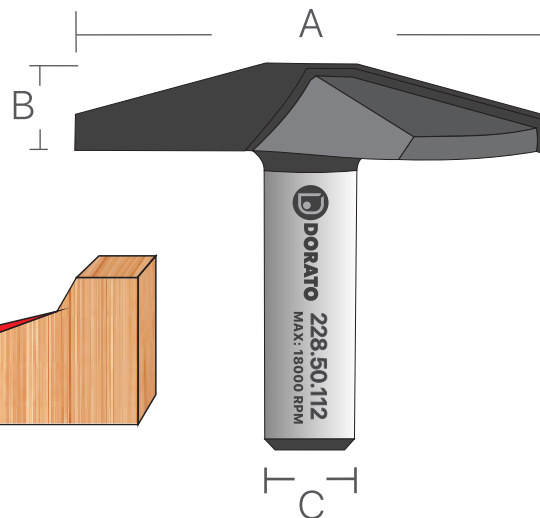
**228** Bevel Raised Panel Bit

HW/RH

	Code	A mm	B mm	C mm	$\alpha$
①	228.50.112	50.80	11.10	12	15°
②	228.63.112	63.50	11.10	12	15°



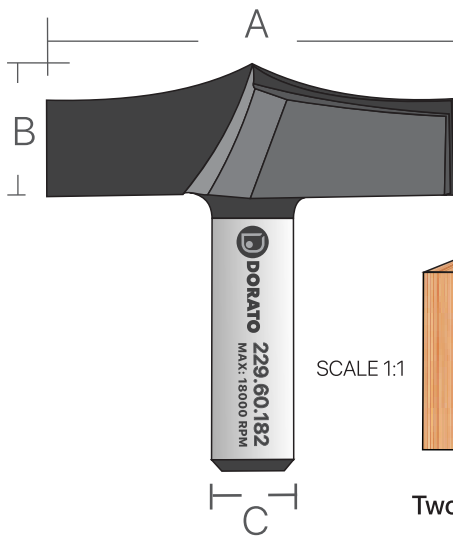
**Z2**  
MAX: 18000RPM



**229** Profile Bit

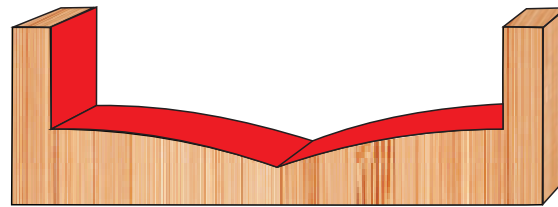
HW/RH

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



**Z2**  
MAX: 18000 RPM

SCALE 1:1



Two-flute profile bit used for decorative grooving.

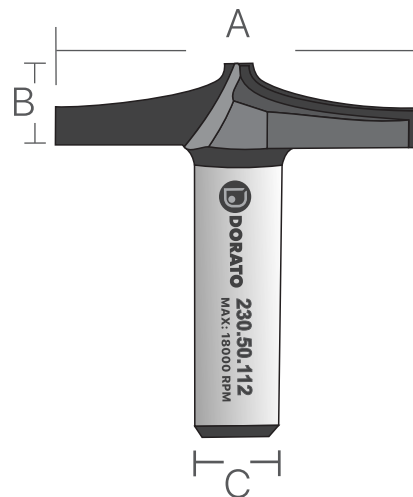
**230** Profile Bit

HW/RH

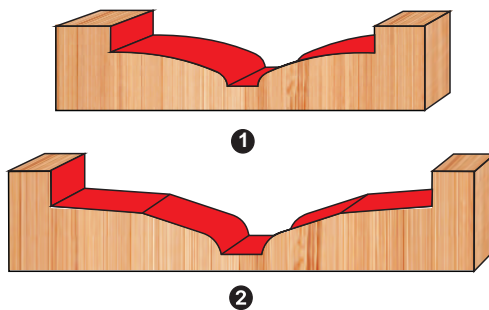


	Code	A mm	B mm	C mm
①	230.34.802	34.90	8.44	12
②	230.50.112	50.80	11	12

**Z2**  
MAX: 18000 RPM



SCALE 1:1



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

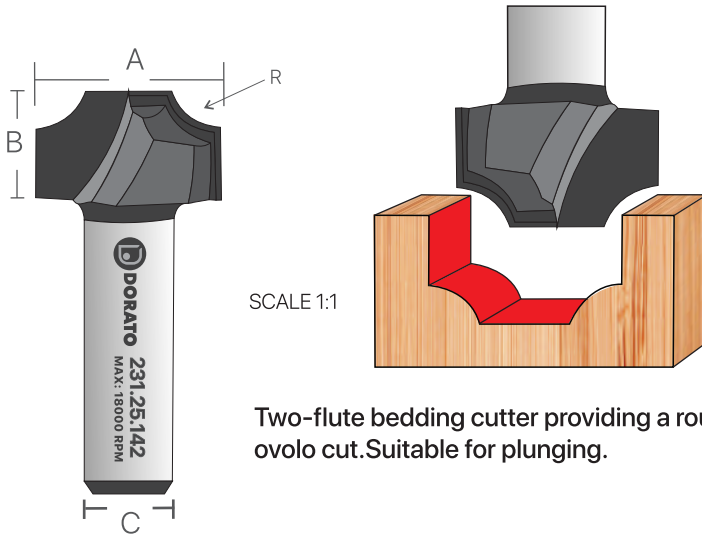
BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

**231** Beading cutter HW/RH

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



**Z2**  
MAX: 18000 RPM

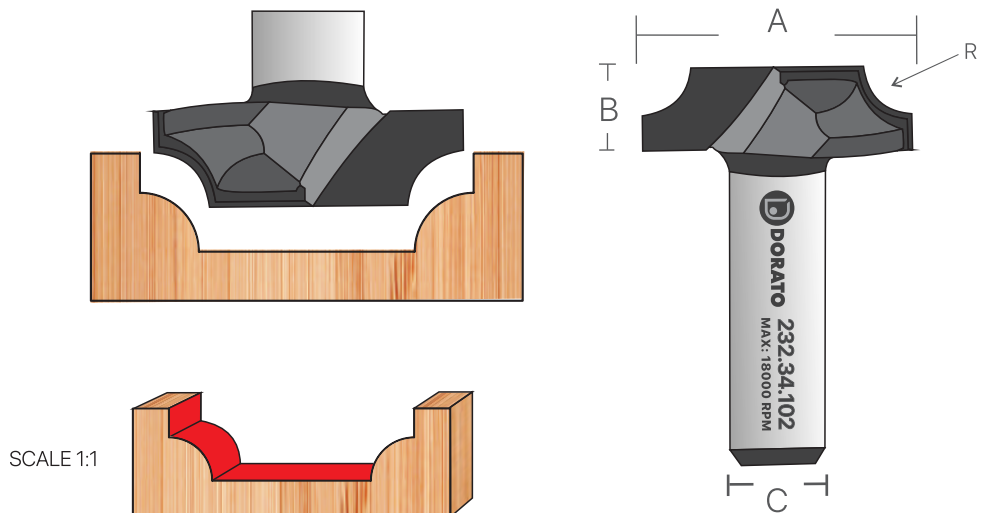
Two-flute beading cutter providing a round-over and ovolo cut. Suitable for plunging.

**232** Beading cutter HW/RH

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



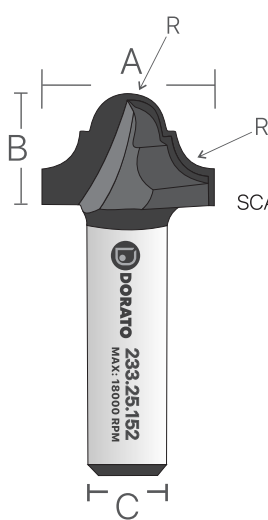
**Z2**  
MAX: 18000 RPM



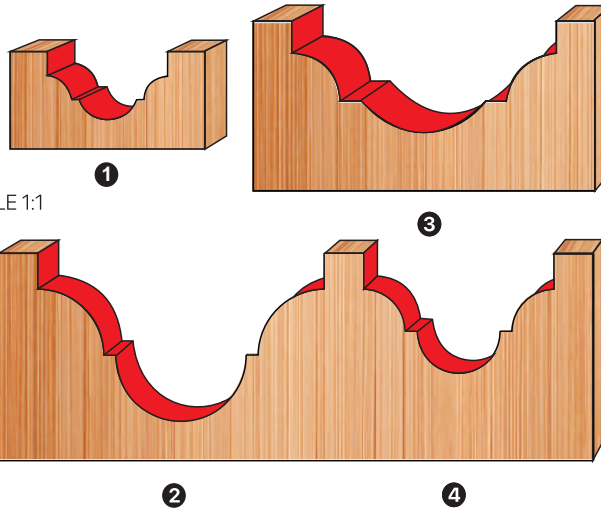
**233** Classical Plunge Bit

HW/RH

	Code	A mm	B mm	C mm	R
①	233.15.902	15.90	9	12	3.09
②	233.25.152	25.40	15.88	12	5.56
③	233.35.148	35	14.40	8	6.35
④	233.38.222	38.10	22.20	12	8.73



SCALE 1:1



**Z2**  
MAX: 18000 RPM

**234** Classical Plunge Bit

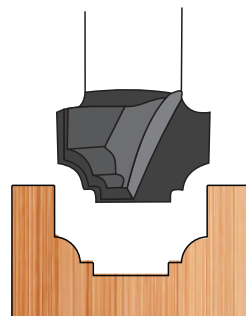
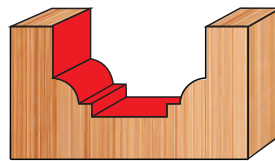
HW/RH

	Code	A mm	B mm	C mm	R
①	234.19.112	19.10	11.11	12	3.175



**Z2**  
MAX: 18000 RPM

SCALE 1:1



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

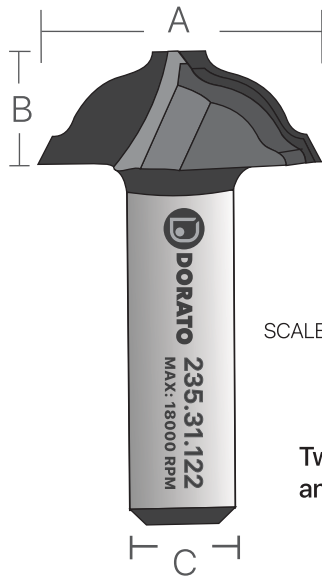
BALL BEARINGS BITS

CNC EQUIPMENT

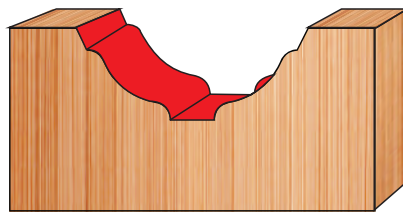
SAW BLADE

**235** Classical Moulding Bit HW/RH

Code	A mm	B mm	C mm
<b>1</b> 235.31.122	<b>31.75</b>	12.50	12



SCALE 1:1



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

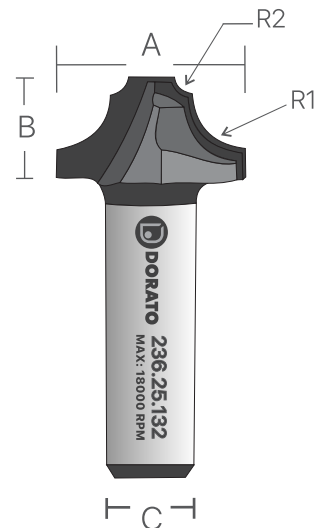
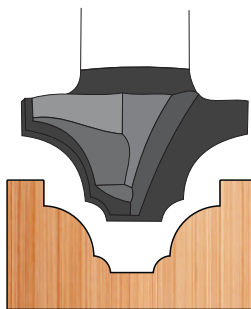
**Z2**  
MAX: 18000 RPM

**236** Classical Moulding Bit HW/RH

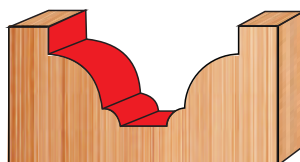
Code	A mm	B mm	C mm	R1	R2
<b>1</b> 236.25.132	<b>25.39</b>	13.20	12	<b>7.14</b>	<b>2.38</b>



**Z2**  
MAX: 18000 RPM



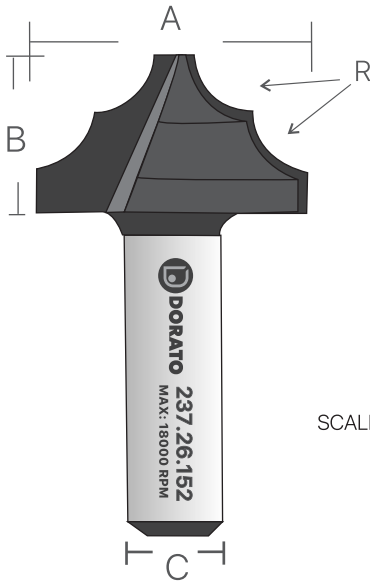
SCALE 1:1



**237** Classical Plunge Bit

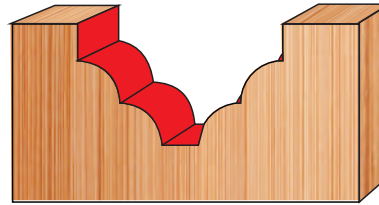
HW/RH

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



**Z2**  
MAX: 18000 RPM

SCALE 1:1



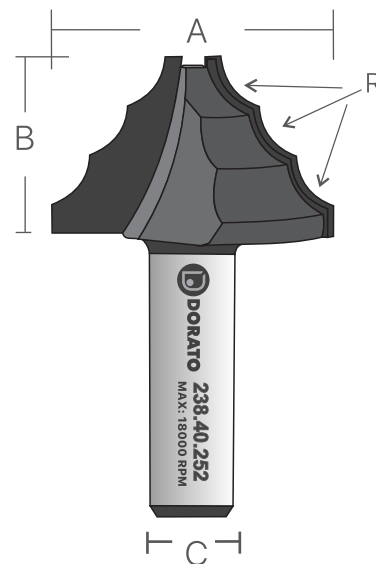
**238** Decorative Profile Bit

HW/RH

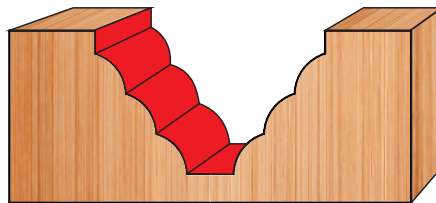
	Code	A mm	B mm	C mm	R
①	238.40.252	40	25	12	7.50



**Z2**  
MAX: 18000 RPM



SCALE 1:1



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

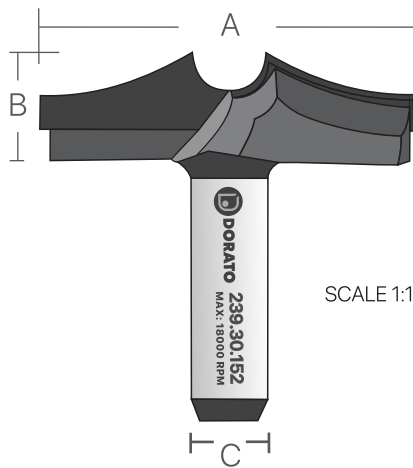
CNC EQUIPMENT

SAW BLADE

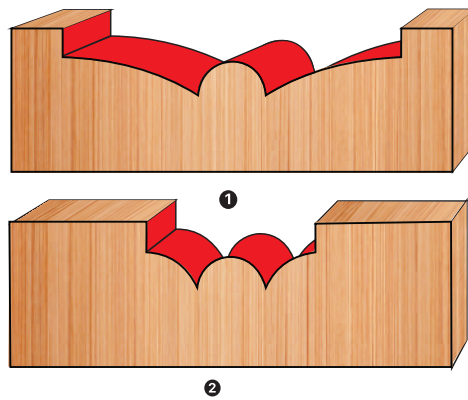
**239** Dragon Ball Bit

HW/RH

	Code	A mm	B mm	C mm
①	239.30.152	30	15.70	12
②	239.60.172	60	17.17	12



SCALE 1:1



Z2  
MAX: 18000 RPM

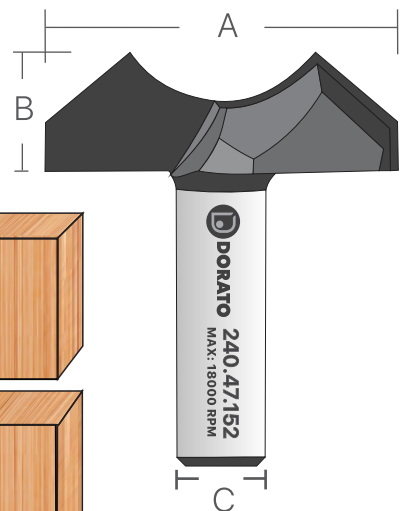
**240** Dragon Ball Bit

HW/RH

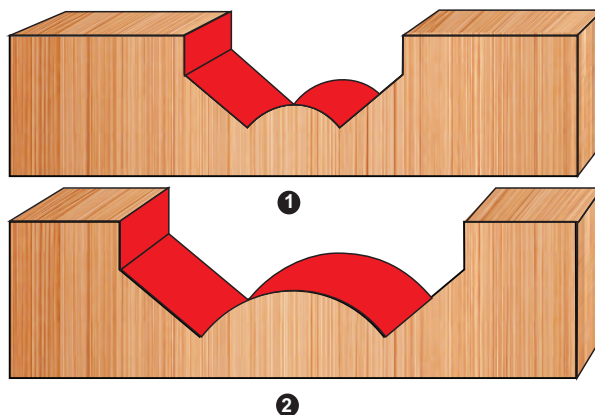
	Code	A mm	B mm	C mm
①	240.30.122	30	12.53	12
②	240.47.152	47.50	15.70	12



Z2  
MAX: 18000 RPM



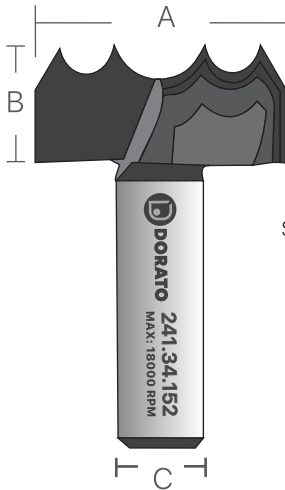
SCALE 1:1



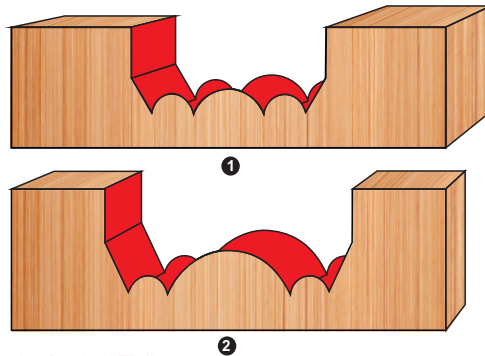
**241 Dragon Ball Bit**

HW/RH

	Code	A mm	B mm	C mm
①	241.34.152	34.90	15.70	12
②	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.

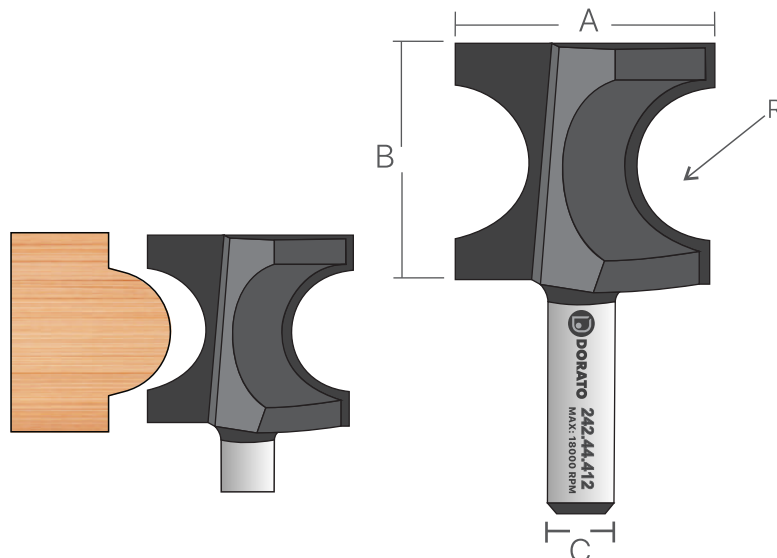
**242 Bead & Bull nose Bit**

HW/RH

	Code	A mm	B mm	C mm	R
①	242.44.412	44.50	41	12	12.70


**Z2**  
 MAX: 18000 RPM

SCALE 1:1



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

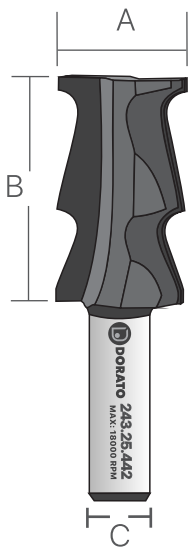
CNC EQUIPMENT

SAW BLADE

**243 Panel Bit**

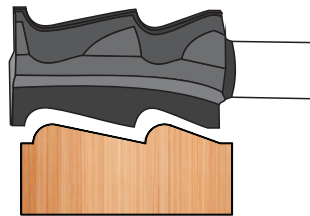
HW/RH

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

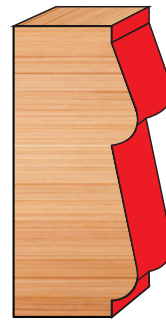


All large diameter bits, such as these, should be used with caution and on router tables equipped with a fence. For best results, 2-1/4 HP routers are recommended. Routers as low-powered as 1-1/2 HP can be used if limited to shorter, shallower runs. When possible, reduce the RPMs of the router for operations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

**Z2**  
MAX: 18000RPM



SCALE 1:1



**244 Flute & Bead Bit**

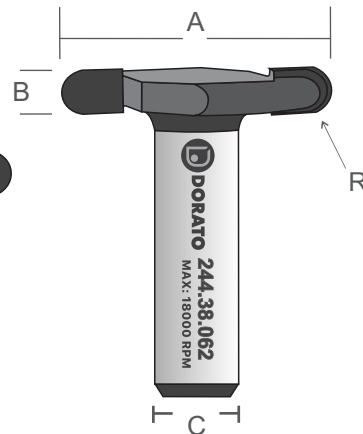
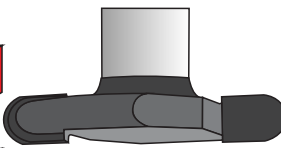
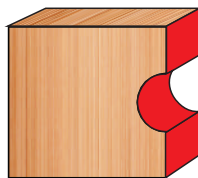
HW/RH

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



MAX: 18000RPM

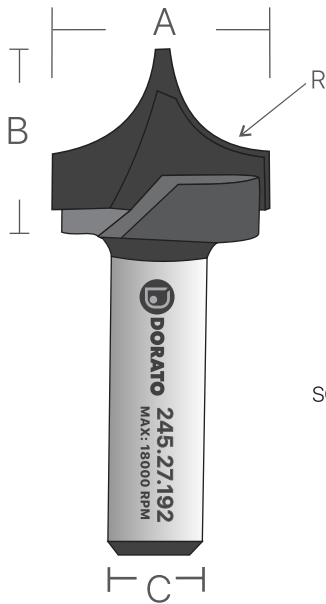
SCALE 1:1



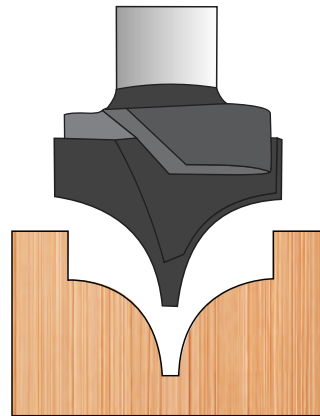
**245** Carving Bit

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

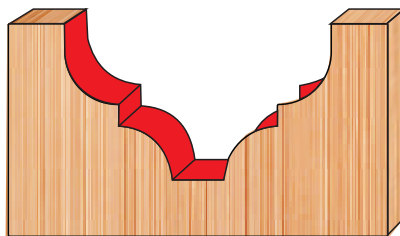
HW/RH



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

**Z2**  
MAX: 18000 RPM

SCALE 1:1



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

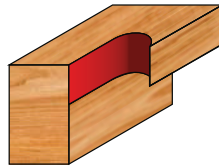
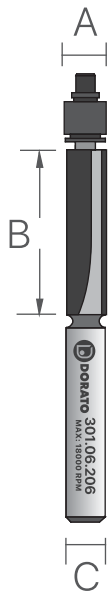
SAW BLADE



### 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



Z2  
MAX: 18000RPM

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

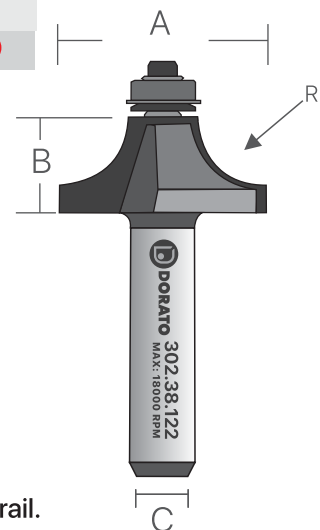
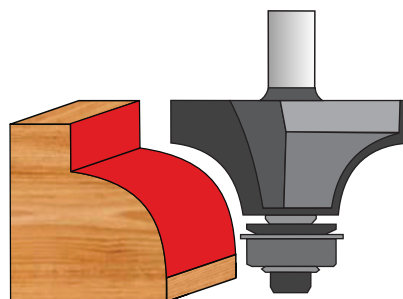
### 302 Corner Round Bit

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: 18000RPM



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

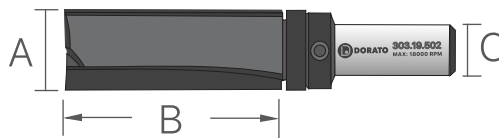
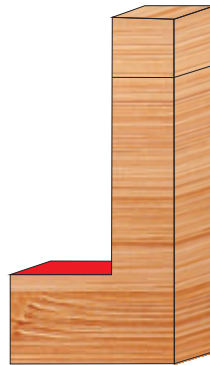
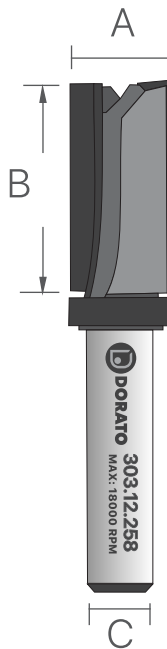
**303** Trimming Cutter With Top Ball Bearing

HW/RH

	Code	A mm	B mm	C mm
①	303.12.258	12	25	8
②	303.19.502	19.05	50	12



**Z2**  
MAX: 18000 RPM



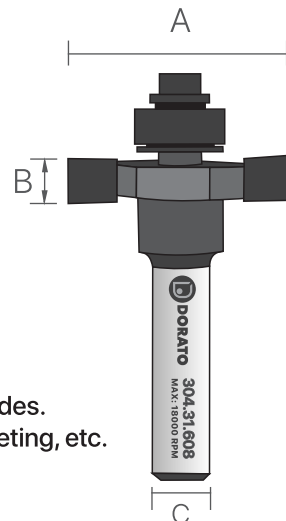
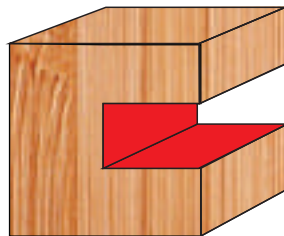
**304** T-Solt Bit

HW/RH



	Code	A mm	B mm	C mm
①	304.31.128	31.80	12.70	8
②	304.31.608	31.80	6.35	8

**Z2**  
MAX: 18000 RPM

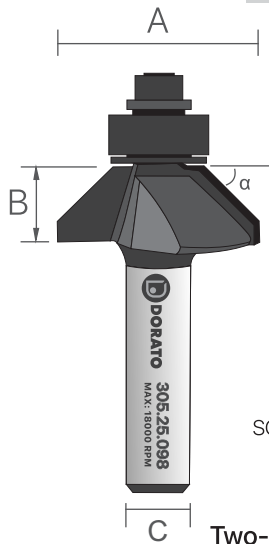


Two-flute, carbide-tipped with totally enclosed ball bearing guides.  
Use for shiplap joints, tongue & groove joints, T-moldings, rabbeting, etc.

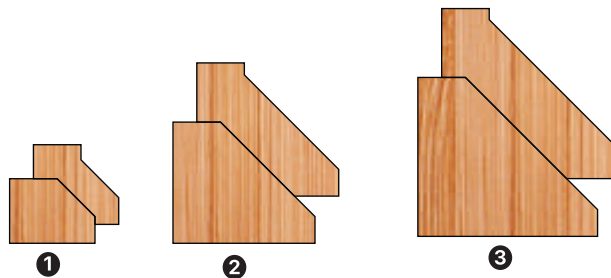
**305 45° Chamfer Bit**

HW/RH

	Code	A mm	B mm	C mm	$\alpha$
①	305.25.098	25.40	9.50	8	45°
②	305.44.188	44.50	18.50	8	45°
③	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**

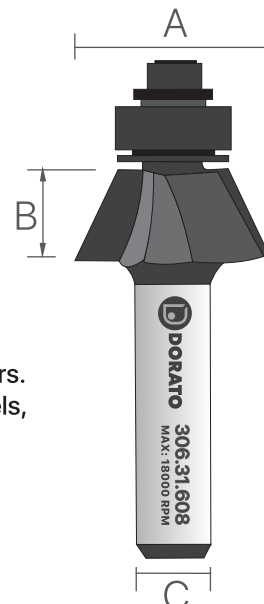
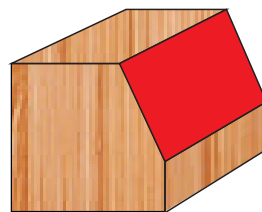
HW/RH



	Code	A mm	B mm	C mm	$\alpha$
①	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.

CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

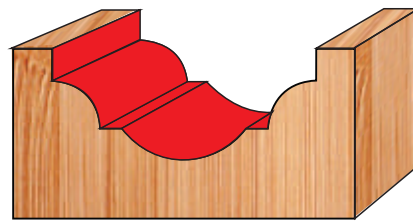
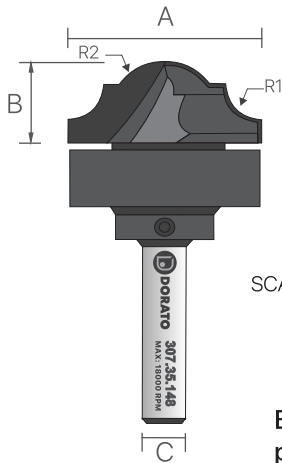
CNC EQUIPMENT

SAW BLADE

**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**

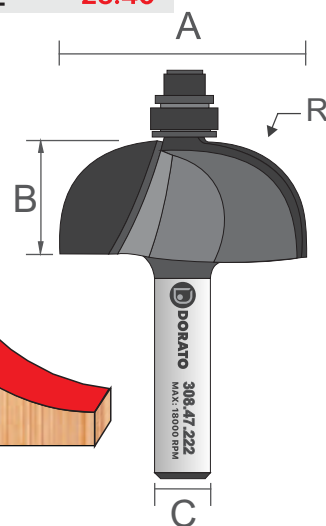
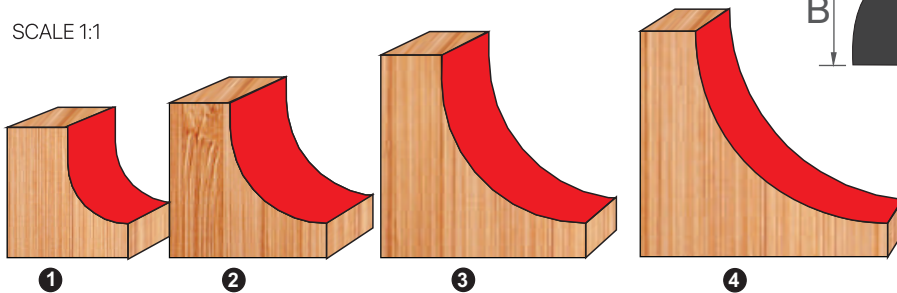
HW/RH



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



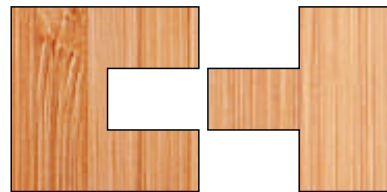
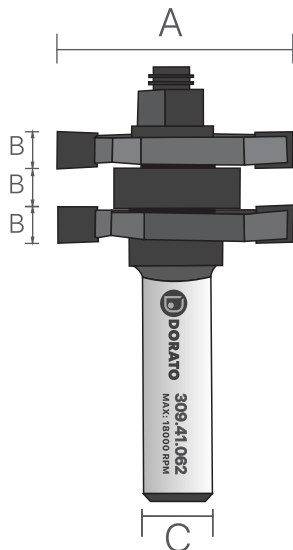
Two-flute cove cutter with an exchangeable bearing. Ideal for decorative edges. Also used for drop-leaf tables.

**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.

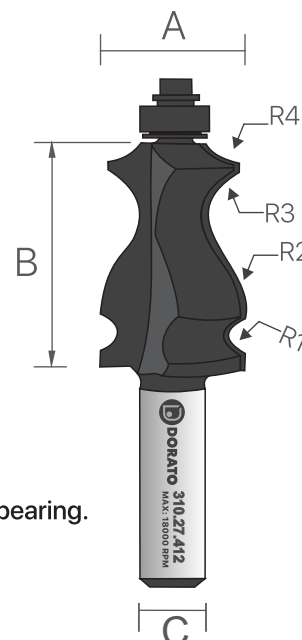
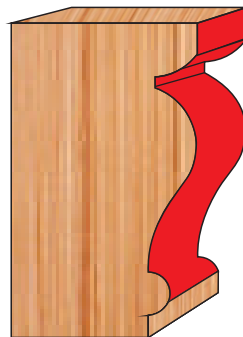
**310** Decorative Moulding Cutter HW/RH

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.

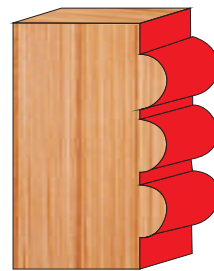
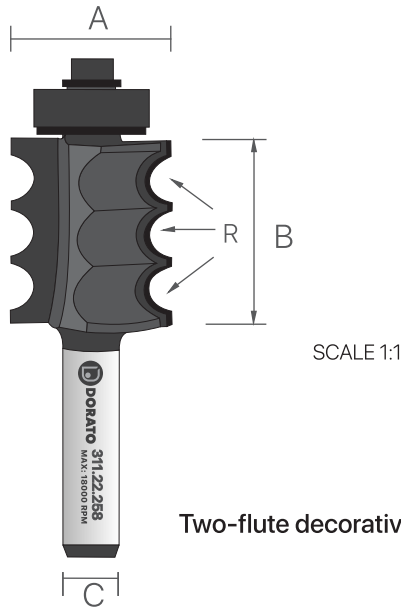
**311 Multi Reed Bit**

HW/RH

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



**Z2**  
MAX: 18000 RPM



SCALE 1:1

Two-flute decorative moulding cutter with exchangeable bearing.

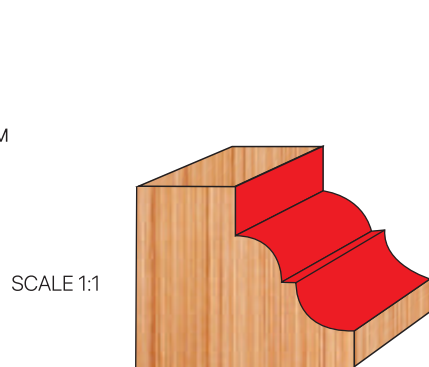
**312 Classic Roman Ogee Bit**

HW/RH

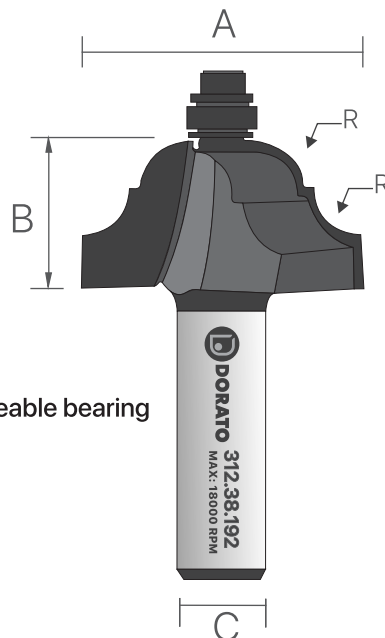
	Code	A mm	B mm	C mm	R
①	312.38.192	38.10	19.05	12	6.35



**Z2**  
MAX: 18000 RPM



SCALE 1:1

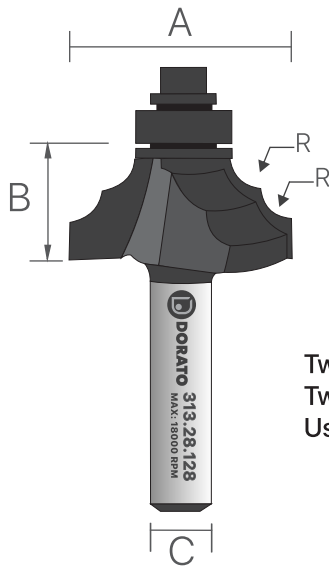


Two-flute classic Roman ogee cutter with exchangeable bearing and two identical radii. The definitive pattern in perfect balance.

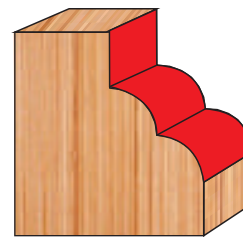
**313 Double Round Bit**

HW/RH

	Code	A mm	B mm	C mm	R
①	313.28.128	28.60	12.70	8	3.97
②	313.38.172	38.10	17.46	12	6.35



SCALE 1:1


**Z2**  
 MAX: 18000RPM

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**

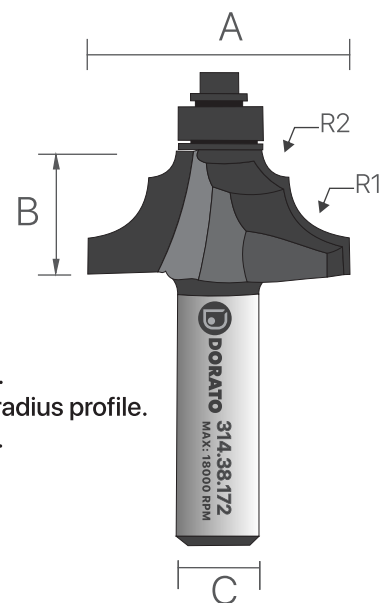
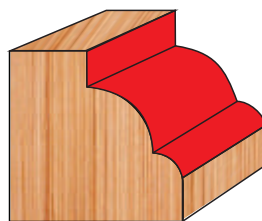
HW/RH



	Code	A mm	B mm	C mm	R1	R2
①	314.38.172	38.10	17.46	12	8.72	3.96

**Z2**  
 MAX: 18000RPM

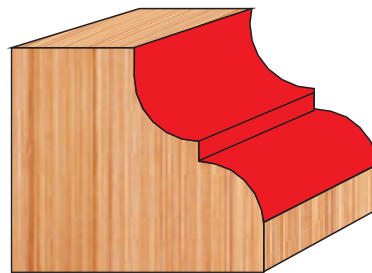
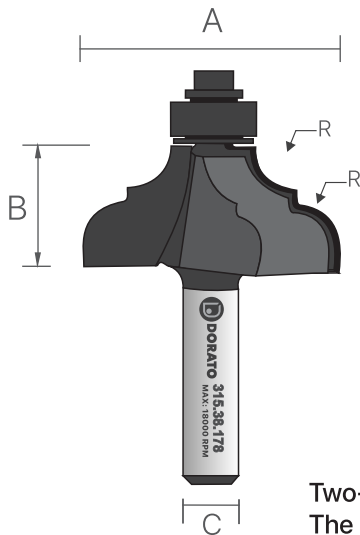
SCALE 1:1



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



SCALE 1:1

**Z2**  
MAX: 18000 RPM

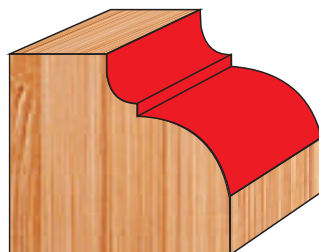
Two-flute classic ogee cutter with exchangeable bearing. The most complex of the ogee profiles. Flexible use. Very decorative for more detailed cabinet work, particularly restoration.

**316** French Traditional Table Cutter HW/RH

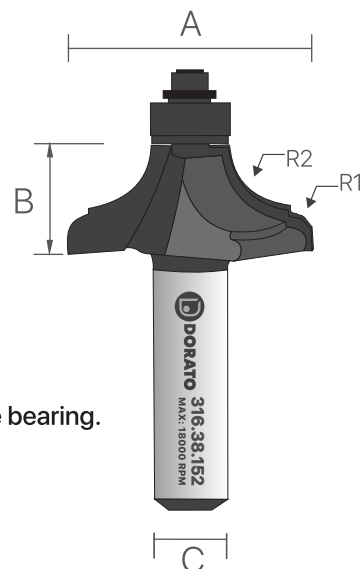
Code	A mm	B mm	C mm	R1	R2
① 316.38.152	38.10	15.80	12	3.18	9.53



**Z2**  
MAX: 18000 RPM



SCALE 1:1

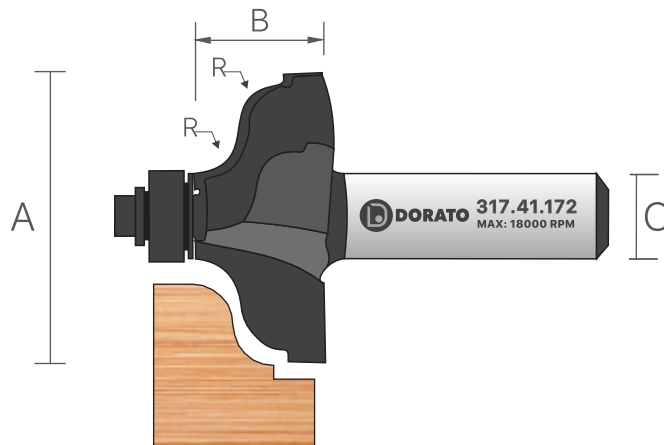


Two-flute French traditional table cutter with exchangeable bearing. Traditional table edge moulding in the ogee style.

**317** Ogee Filet Cutter

HW/RH

Code	A mm	B mm	C mm	R
① 317.41.172	41.30	17.50	12	6.35


**Z2**  
MAX: 18000RPM

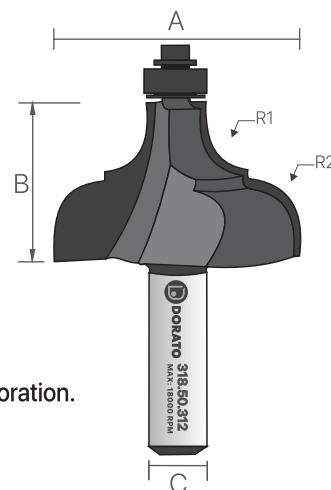
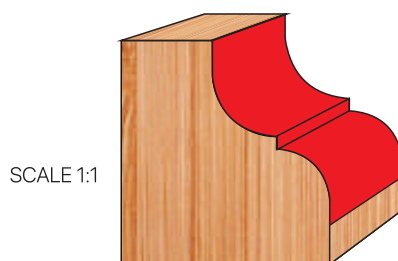
Two-flute ogee filet cutter with exchangeable bearing.  
A variation on the ogee profile, more clearly defining the top edge with a step.

**318** Plunge Ogee Bit

HW/RH



Code	A mm	B mm	C mm	R1	R2
① 318.50.312	50.80	31.75	12	8.73	10.55

**Z2**  
MAX: 18000RPM


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.

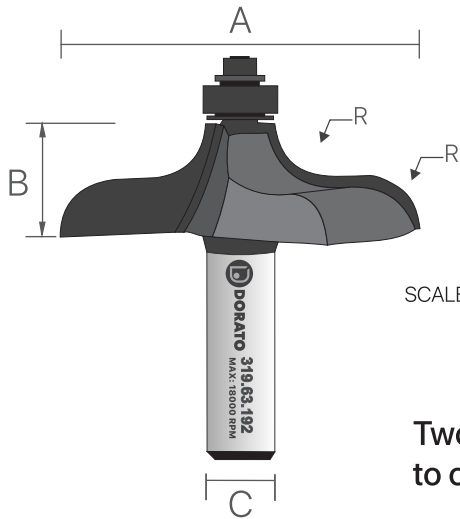
**319** Traditional Table Edge Cutter

HW/RH

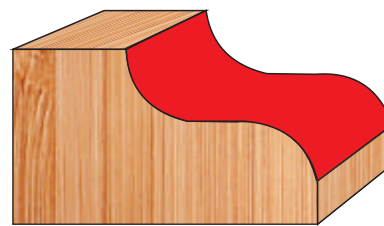
Code	A mm	B mm	C mm	R
① 319.63.192	63.50	19.05	12	9.53



Z2  
MAX: 18000 RPM



SCALE 1:1



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

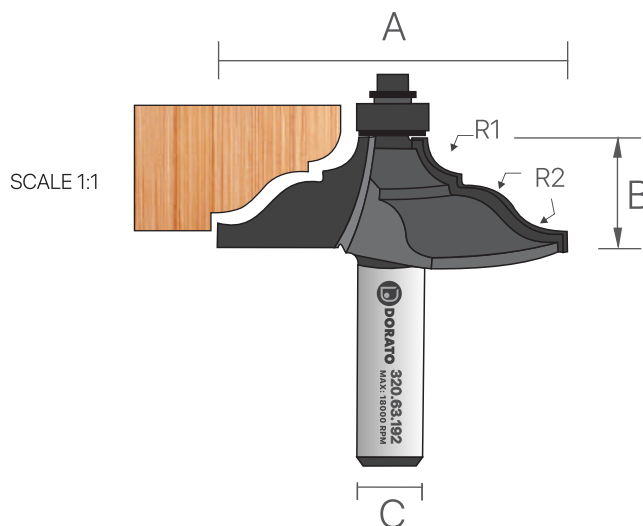
**320** Classical Profile Cutter

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.

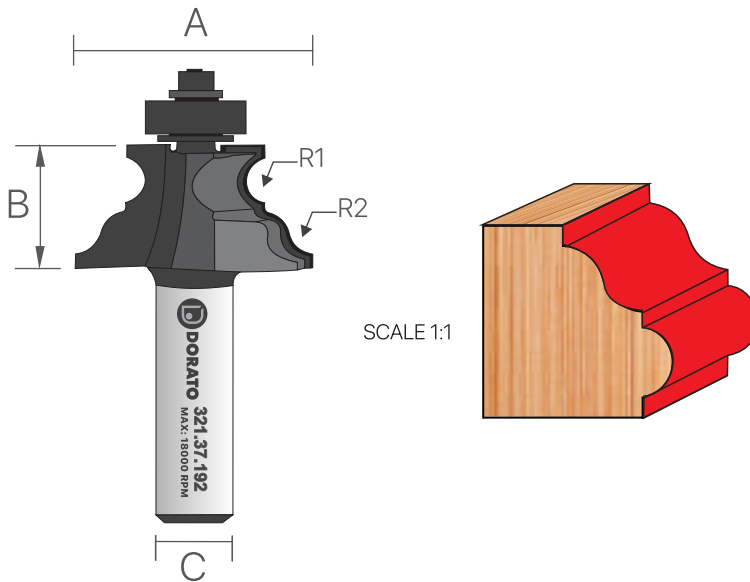
**321 Multi Form Cutter**

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: 18000RPM



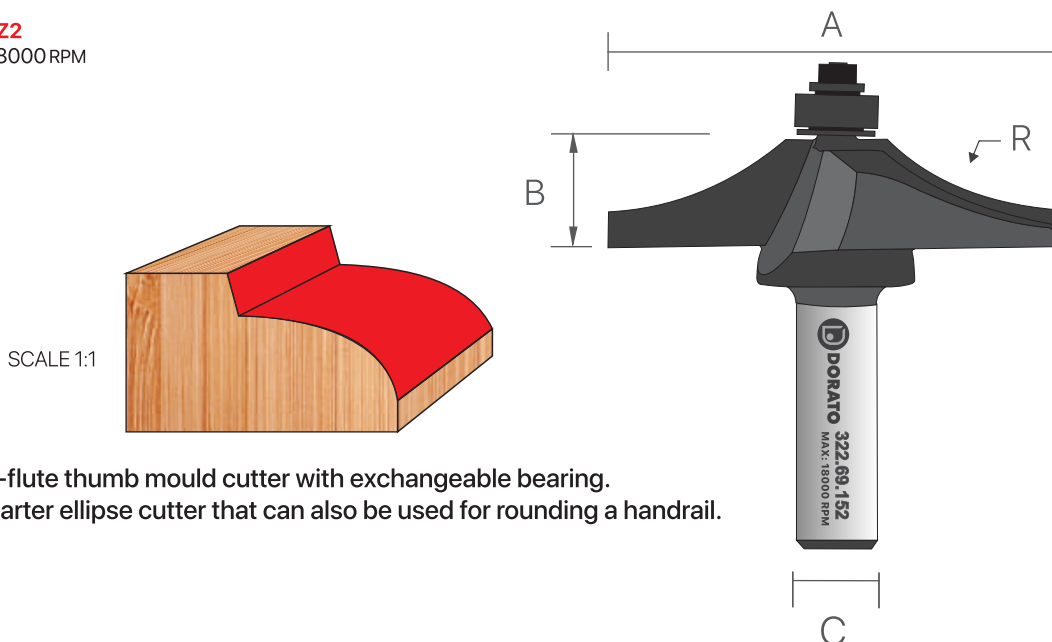
**322 Table edge & Hand Rail Bit**

HW/RH

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



Z2  
MAX: 18000RPM



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

CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

**323** Horse Nose Bit

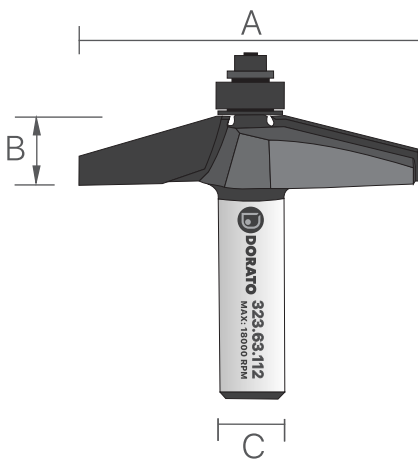
HW/RH

Code	A mm	B mm	C mm	$\alpha$
① 323.63.112	63.50	11.81	12	15°

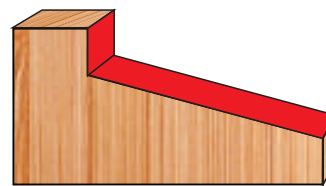


Z2

MAX: 18000RPM



SCALE 1:1



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

**324** Horizontal Raised Panel Bit

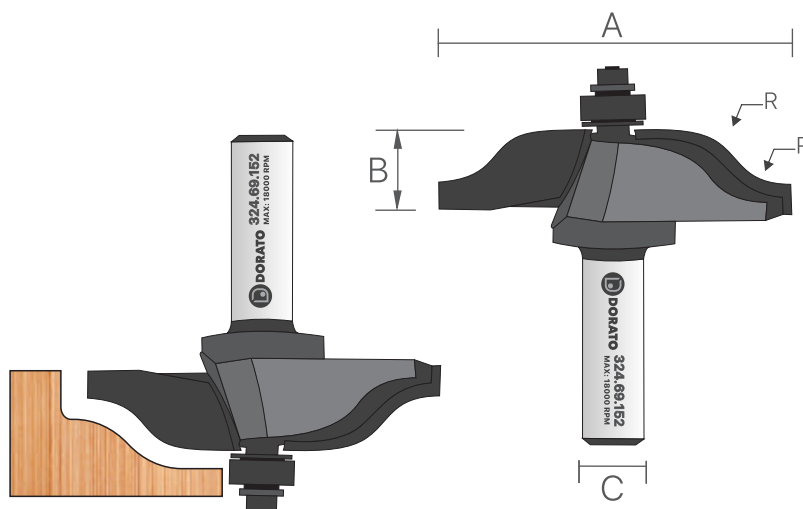
HW/RH



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

Z2

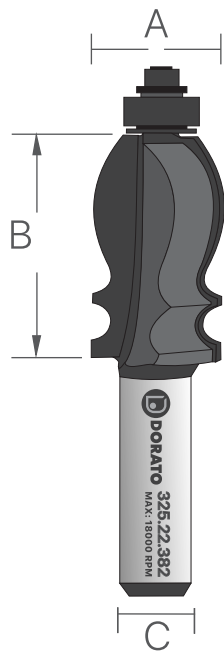
MAX: 18000RPM



SCALE 1:1

**325** Decorative Moulding Cutter

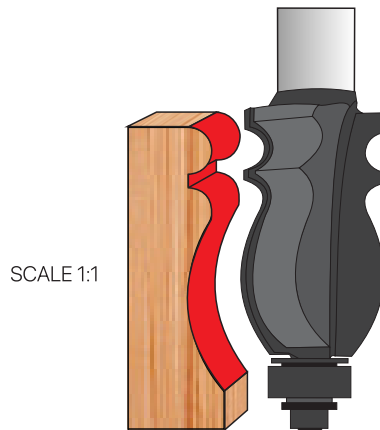
HW/RH



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



Z2  
MAX: 18000 RPM



Two-flute decorative moulding cutter with exchangeable bearing.

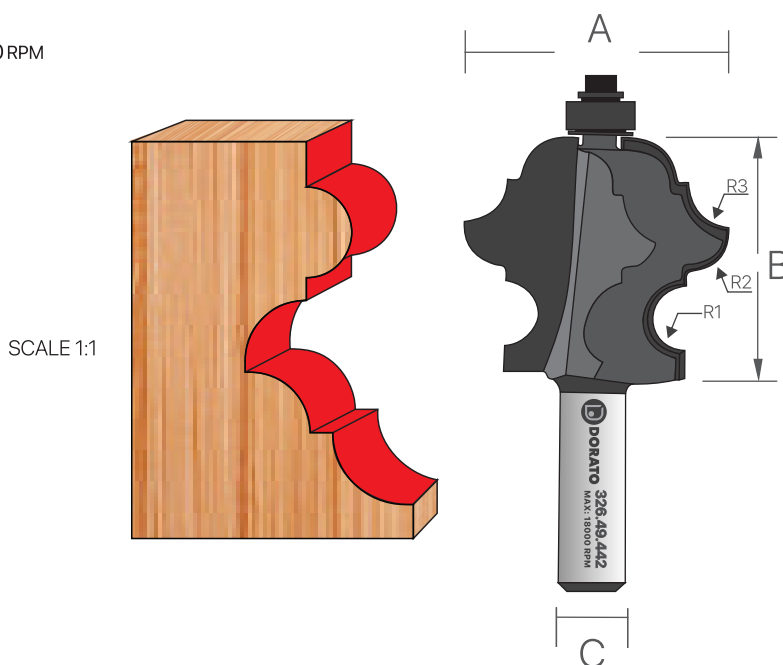
**326** Multi Form Cutter

HW/RH

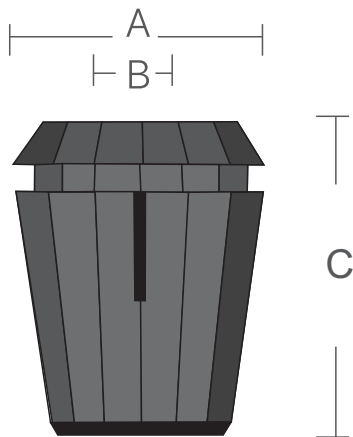


Code	A mm	B mm	C mm	R1	R2	R3
① 326.49.442	49.70	44.20	12	6	8	8

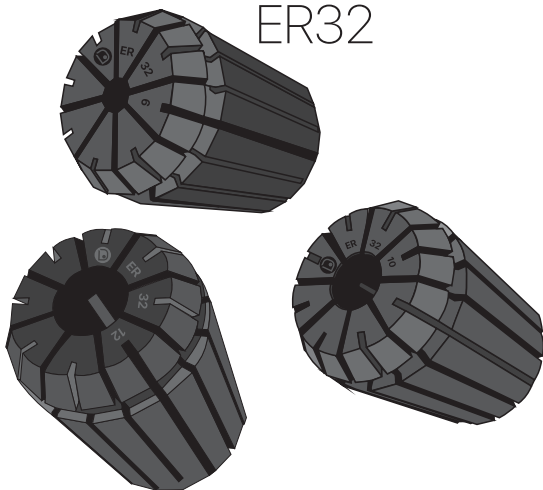
Z2  
MAX: 18000 RPM





**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.

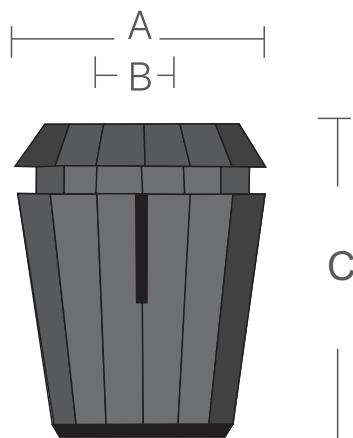
Replaceable High Precision 0.005 collets.

0; -1mm wide clamping tolerance.

Suitable for most conical chucks.

Fits most tapered spindle noses.

Special dimensions available on request

**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**

CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

CNC EQUIPMENT

SAW BLADE

**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



**SW SAW BLADE**

**CARBIDE  
TIPPED**

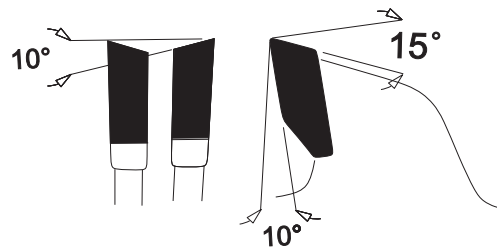
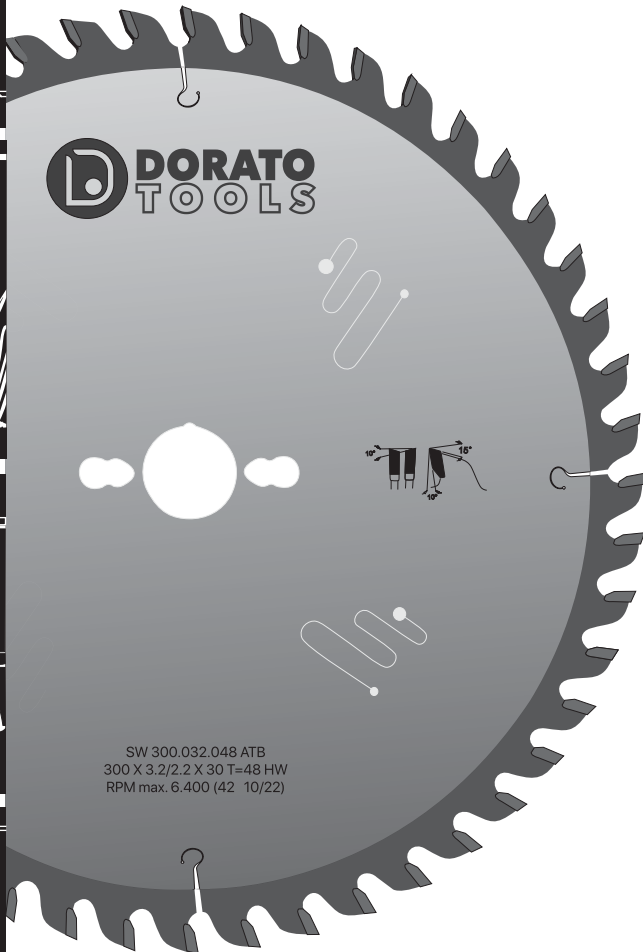
**LONG  
LIFE**



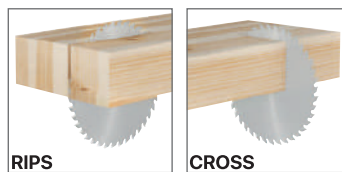
**WOOD**

MAX: 6400 RPM

**ULTRA LOW NOISE**



	Code	D mm	T	B mm	$\beta$	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



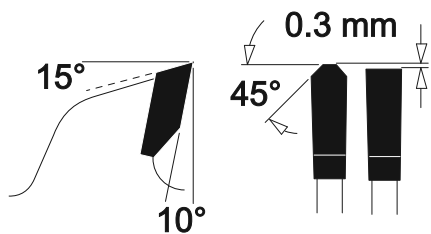
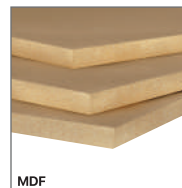
**SM SAW BLADE**

**CARBIDE  
TIPPED**

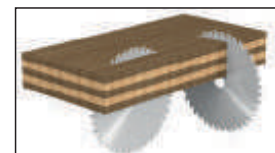
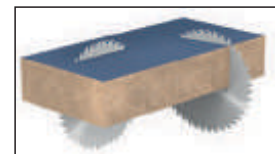
**LONG  
LIFE**



**ULTRA LOW NOISE**



	Code	D mm	T	B mm	$\beta$	K mm	P mm
①	SM.250.032.080	250	80	30	TCG	3.2	2.2
②	SM.300.032.096	300	96	30	TCG	3.2	2.2
③	SM.350.035.108	350	108	30	TCG	3.5	2.5



CNC ROUTER BITS

STRAIGHT ROUTER BITS

PROFILE ROUTER BITS

BALL BEARINGS BITS

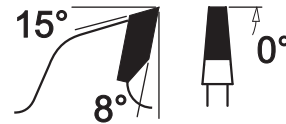
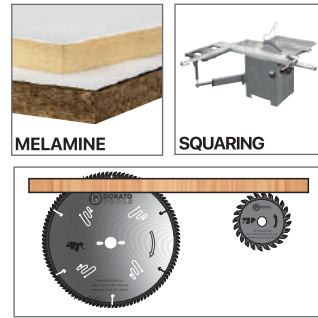
CNC EQUIPMENT

SAW BLADE

**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	$\beta$	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

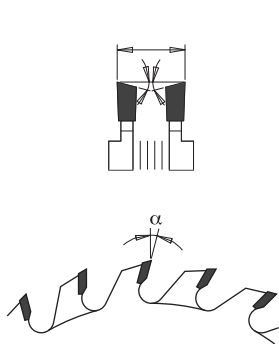
**TIPS:**

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







[www.dorato.com.tr](http://www.dorato.com.tr)