

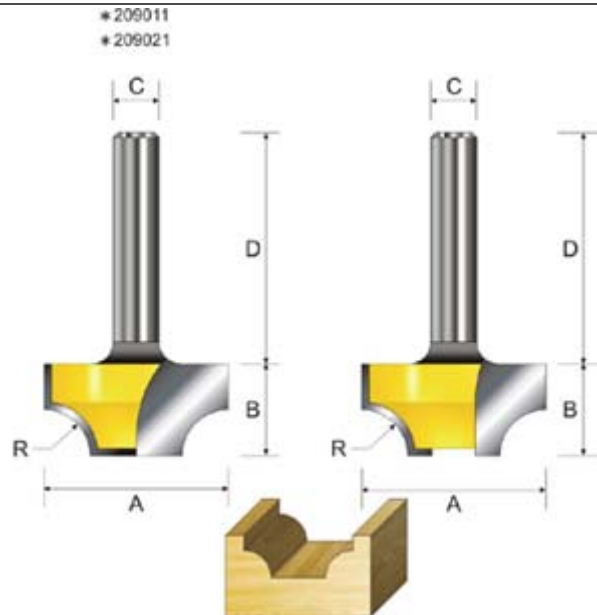
**Name: OVOLO BITS**

**Model:209 SERIES**

**FEATURES:**

Two flutes, 1/4" shank

Producing a quadrant edge with one pass or a full panel bead with two passes, these twin flute cutters are used for edge moldings or to give a panel effect in cabinet work on doors and drawer fronts.

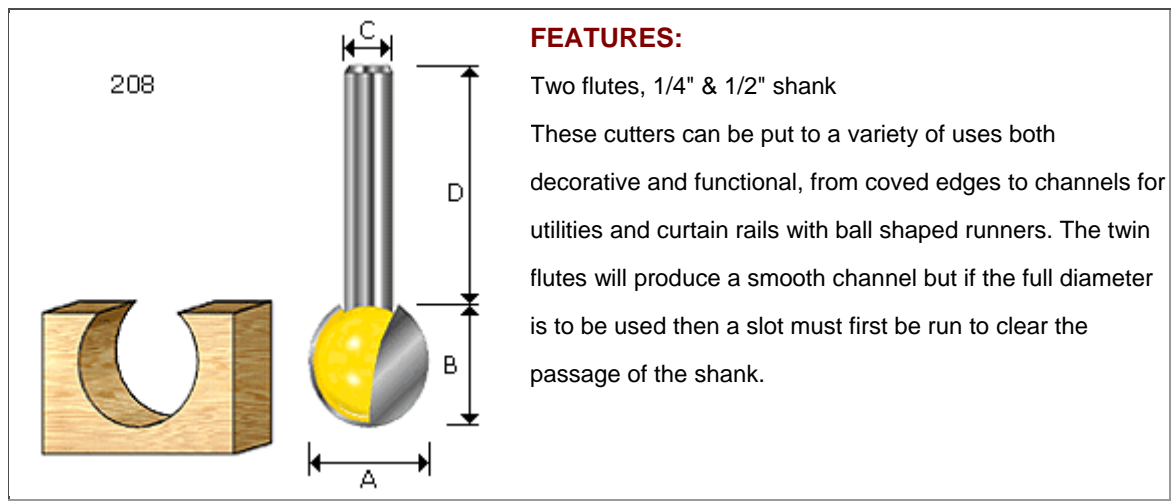


**Specification:**

Item No.	A	B	C	D	R
*209011	3/8	5/16	1/4	1-1/2	1/8
*209021	1/2	7/16	1/4	1-1/2	3/16
209031	3/4	3/8	1/4	1-1/4	1/8
209041	1	1/2	1/4	1-1/4	1/4
209051	1-1/4	5/8	1/4	1-1/4	3/8
209431	3/4	3/8	1/2	1-1/2	1/8
209441	1	1/2	1/2	1-1/2	1/4
209451	1-1/4	5/8	1/2	1-1/2	3/8
209461	1-1/2	3/4	1/2	1-1/2	1/2
209471	1-3/4	7/8	1/2	1-1/2	5/8
209481	2	1	1/2	1-1/2	3/4

**Name: PLUNGE CUT BALL BITS**

**Model:208 SERIES**

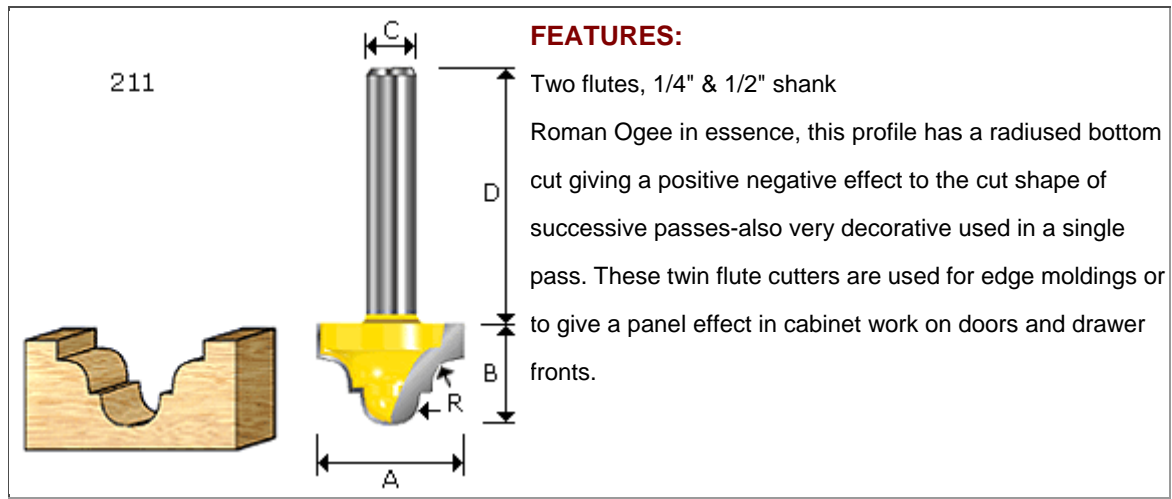


**Specification:**

Item No.	A	B	C	D
208011	3/8	3/8	1/4	1-1/4
208021	1/2	1/2	1/4	1-1/4
208031	5/8	5/8	1/4	1-1/4
208041	3/4	3/4	1/4	1-1/4
208411	3/8	3/8	1/2	1-1/2
208421	1/2	1/2	1/2	1-1/2
208431	5/8	5/8	1/2	1-1/2
208441	3/4	3/4	1/2	1-1/2
208451	7/8	7/8	1/2	1-1/2
208461	1	1	1/2	1-1/2
208471	1-1/4	1-1/4	1/2	1-1/2
208481	1-1/2	1-1/2	1/2	1-1/2

**Name: CLASSICAL PLUNGE BITS**

**Model:211 SERIES**



**Specification:**

Item No.	A	B	C	D	R
211011	1/2	3/8	1/4	1-1/4	3/32
211021	3/4	1/2	1/4	1-1/4	5/32
211411	1/2	3/8	1/2	1-1/2	3/32
211421	3/4	1/2	1/2	1-1/2	5/32
211431	1	5/8	1/2	1-1/2	7/32
211441	1-1/2	3/4	1/2	1-1/2	11/32

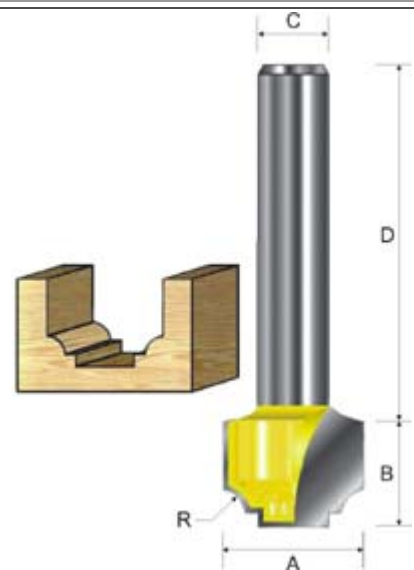
**Name: CLASSICAL PATTERN BITS**

**Model:212 SERIES**

**FEATURES:**

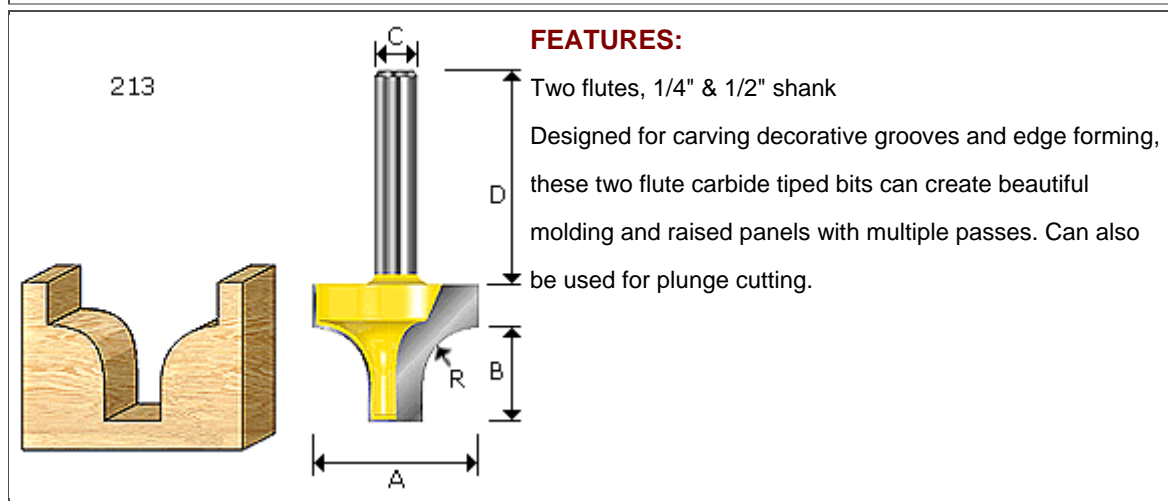
Two flutes, 1/4" & 1/2" shank

Again based on a miniature Roman Ogee design this profile is very useful in successive cuts giving an astragal style design or single cuts giving a flat bottom trench with profiled sides.



**Specification:**

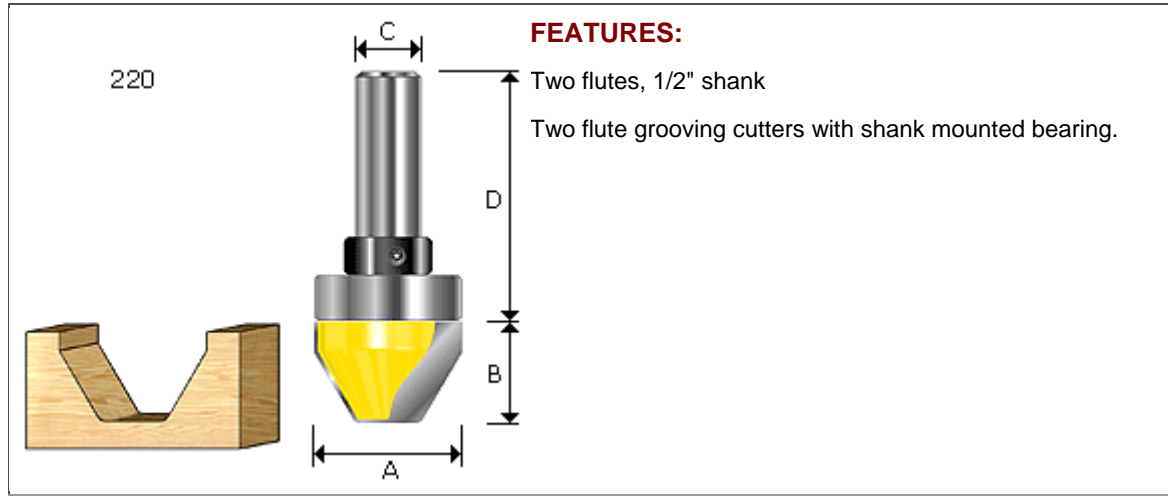
Item No.	A	B	C	D	R
212011	1/2	3/8	1/4	1-1/4	5/64
212021	3/4	7/16	1/4	1-1/4	1/8
212421	3/4	7/16	1/2	1-1/2	1/8

**Name: PIERCE & ROUND OVER BITS****Model:213 SERIES****Specification:**

Item No.	A	B	C	D	R
213011	3/4	3/8	1/4	1-1/4	1/4
213021	1	1/2	1/4	1-1/4	3/8
213031	1-3/8	3/4	1/4	1-1/4	1/2
213041	1-1/2	7/8	1/4	1-1/4	1/2
213411	3/4	3/8	1/2	1-1/2	1/4
213421	1	1/2	1/2	1-1/2	3/8
213431	1-3/8	3/4	1/2	1-1/2	1/2
213441	1-1/2	7/8	1/2	1-1/2	1/2
213451	1-3/4	1	1/2	1-1/2	5/8

**Name: LETTERING BITS**

**Model:220 SERIES**



**Specification:**

Item No.	A	B	C	D
220421	1-1/8	3/4	1/2	1-13/16

**Name: COVE & BEAD GROOVE BITS**

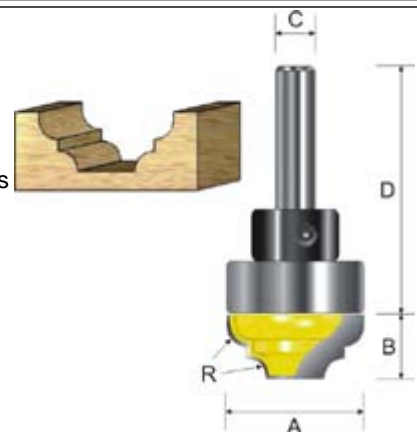
**Model:221 SERIES**

**FEATURES:**

Two flutes, 1/4" & 1/2" shank

Two flute cove & bead profile and grooving cutters with flat bottom.

Fitted with shank-mounted bearing for template follower work, which is also suitable for plunge cutting.



**Specification:**

Item No.	A	B	C	D	R
221011	7/8	25/64	1/4	1-37/64	1/8

221431	1-3/8	9/16	1/2	2	7/32
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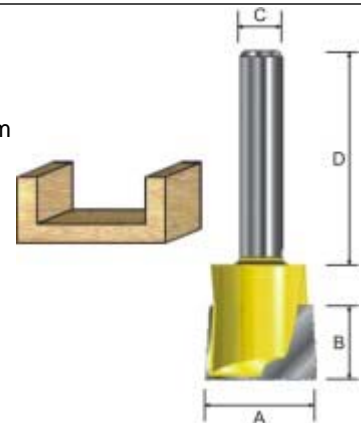
**Name: BOTTOM CLEANING BITS**

**Model:214 SERIES**

**FEATURES:**

Two flutes, 1/4 & 1/2" shank

This two flute carbide-tipped bit will do the job, leaving a smooth, flat bottom cut. It is also effective at leveling the bottom of a dado cut when using a wobble blade.



**Specification:**

Item No.	A	B	C	D
214011	3/4	15/32	1/4	1-1/4
214021	7/8	15/32	1/4	1-1/4
214031	1	15/32	1/4	1-1/4
214411	3/4	15/32	1/2	1-1/2
214421	7/8	15/32	1/2	1-1/2
214431	1	15/32	1/2	1-1/2
214441	1-1/4	15/32	1/2	1-1/2
214451	1-1/2	15/32	1/2	1-1/2

**Name: DISH CARVING BITS**

**Model:215 SERIES**

**FEATURES:**

Two flutes, 1/4" & 1/2" shank

Cut recesses into shallow bowls, plates, serving trays, coasters, coin holders and lettered signs-all with this versatile bit. The dish cutter is a two flute, carbide-tipped bit which can cut a straight edge with a rounded corner and a flat bottom.

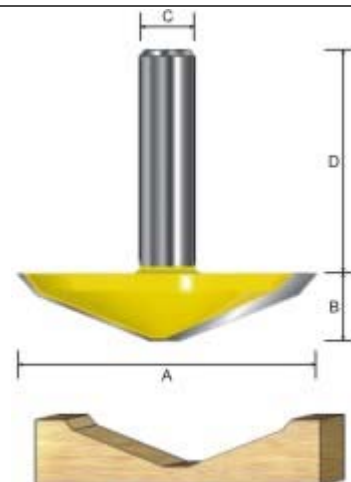
**Specification:**

Item No.	A	B	C	D	R
215011	1	1/2	1/4	1-1/4	1/4
215411	1-1/4	1/2	1/2	1-1/2	1/4

**Name: FRENCH PROVINCIAL BITS****Model:216 SERIES****FEATURES:**

Two flutes, 1/2" shank

This French Provincial Raised Panel Bit is designed for making raised panels used indoors and paneling from 3/4" stock. When used with a fence the length of the tongue can be adjusted. It can also be used for making decorative grooves in panels, stops, and plaques.

**Specification:**

Item No.	A	B	C	D
216411	2-3/4	5/8	1/2	2

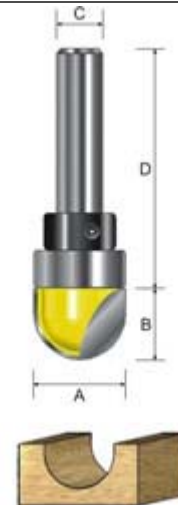
**Name: CORE BOX BITS (WITH BEARING)**

**Model:219 SERIES**

**FEATURES:**

Two flutes 1/4" shank

Same as 203 series but with shank mounted bearing guide.



**Specification:**

Item No.	A	B	C	D
219011	1/2	1/2	1/4	1-1/2

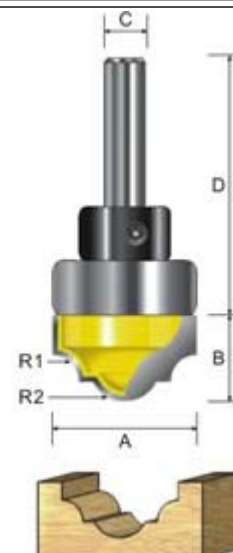
**Name: CLASSICAL PLUNGE BITS**

**Model:222 SERIES**

**FEATURES:**

Two flutes, 1/4" & 1/2" shank

Two flute classical profile cutters with bottom radius. Fitted with shank-mounted bearing for template follower work, which is suitable for plunge cutting.



**Specification:**



Item No.	A	B	C	D	R1	R2
222011	7/8	1/2	1/4	1-37/64	5/32	7/32
222431	1-3/8	9/16	1/2	2	1/4	13/32

**Name: SIGNMAKING BITS**

**Model:223 SERIES**

### FEATURES:

Three flutes, 1/4" shank

60° solid carbide is specially designed for routing letters in wood signs and intricate design work in flat panels. This bit features a three-flute design that has been precision ground to a fine 60° point.



**Specification:**

Item No.	A	B	C	D	Degree
223011	19/32	33/64	1/4	1-1/4	60°

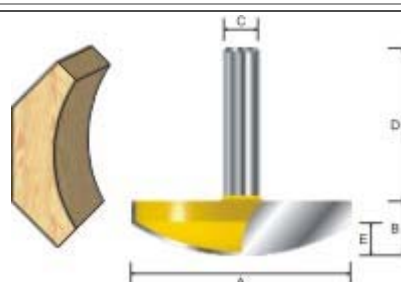
**Name: HORIZONTAL CROWN MOLDING BITS**

**Model:224 SERIES**

### FEATURES:

Two flutes, 1/4" & 1/2" shank

Make these crown molding trims simply by pushing the wood over the bit on your router table in multiple passes. Also can be used for fluting large columns and making raised panels.



**Specification:**

Item No.	A	B	C	D	E
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224011	1-3/4	3/8	1/4	1-1/4	5/16
224411	1-3/4	3/8	1/2	1-1/2	5/16
224421	2-1/2	5/8	1/2	1-1/2	3/8
224431	2-3/4	5/8	1/2	1-1/2	3/8

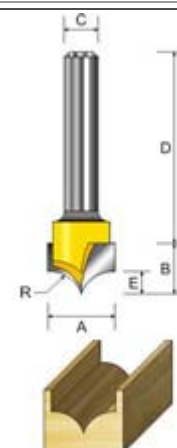
**Name: POINT CUTTING ROUNDOVER BITS**

**Model:225 SERIES**

**FEATURES:**

Two flutes, 1/4" & 1/2" shank

Used for decorative grooving. Also recommended for edge forming with a router guide.



**Specification:**

Item No.	A	B	C	D	E	R
225011	1/8	7/32	1/4	1-1/4	3/64	1/16
225021	1/4	3/8	1/4	1-1/4	3/32	1/8
225031	3/8	3/8	1/4	1-1/4	1/8	3/16
225041	1/2	3/8	1/4	1-1/4	11/64	1/4
225051	3/4	5/8	1/4	1-1/4	1/4	3/8
225451	3/4	5/8	1/2	1-1/2	1/4	3/8
225461	1	3/4	1/2	1-1/2	11/32	1/2

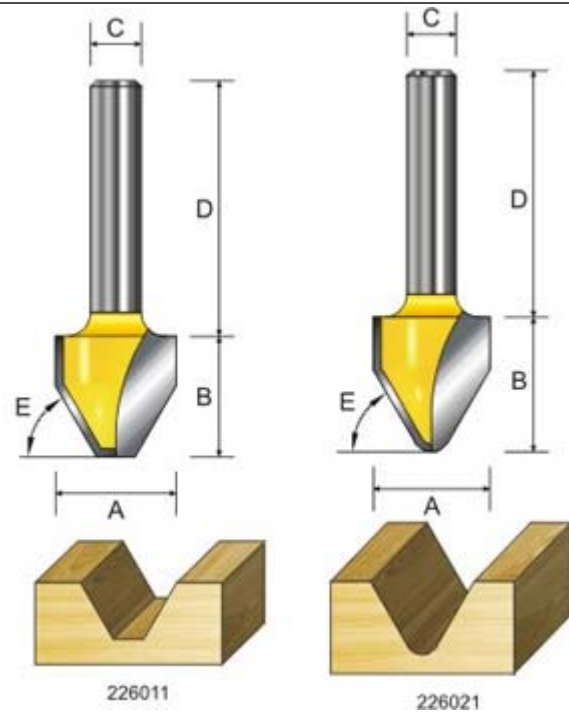
**Name: SIGN LETTERING BITS**

**Model:226 SERIES**

**FEATURES:**

Two flutes, 1/4" shank

The sign lettering bits are 60° V-Groove Plunge Bits and have either a radius or flat bottom. They are designed for freehand lettering.

**Specification:**

Item No.	A	B	C	D	E
226011	19/32	19/32	1/4	1-1/4	60°
226021	19/32	11/16	1/4	1-1/4	60°

**Name: TRAIN TRACK BITS**

**Model:227 SERIES**

**FEATURES:**

These bits allow you to make the interlocking connection as well as form the track grooves.

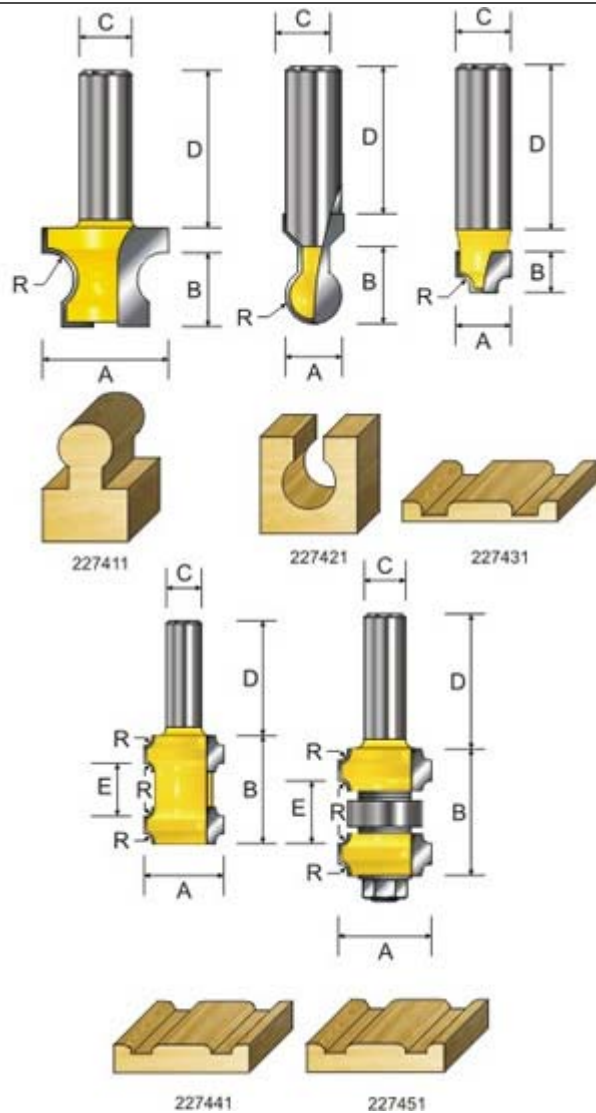
(227411)Male Connector Bit

(227421)Female Connector Bit

(227431)Track Single Groover Bit

(227441)Track Double Groover Bit

(227451)Track Double Groover Bit

**Specification:**

Item No.	A	B	C	D	E	R	Bearing
227400	1-3/16	45/64	1/2	1-1/2		1/4	
227421	1/2	45/64	1/2	1-1/2		1/4	
227431	1/2	3/8	1/2	1-1/2		3/32	
227441	1-1/8	1-1/2	1/2	1-5/8	3/4	3/32	
227451	1-1/8	1-1/2	1/2	1-5/8	3/4	3/32	22mm