## <u> Single Flute Straight Bits</u>

- Designed for high production work with a maximum amount of chip clearance.
- End of bit relief allows for fast plunging.



03-156

## Application:

- · Cuts all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.

ltem Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
03-112*	1/8"	3/8"	1/4"	1½"
03-116*	1/8"	1/2"	1/4"	2"
03-120*	1/8"	5/8"	1/4"	2"
03-124*	³/16"	3/8"	1/4"	1½"
03-128*	³/16"	1/2"	1/4"	2"
03-132*	1/4"	1/2"	1/4"	2"
03-136*	1/4"	3/4"	1/4"	21/2"
03-140*	1/4"	1½"	1/4"	21/2"
03-144*	1/4"	1″	1/4"	3"
03-148	<sup>5</sup> /16"	3/4"	1/4"	21/2"
03-152	<sup>5</sup> /16"	1"	1/4"	21/2"
03-156	3/8"	11/4"	1/4"	2 1/8"
05-136	1/4"	3/4"	3/8"	2 3/4"
05-160	3/8"	11/4"	3/8″	2 1/8"
05-164	1/2"	1"	3/8"	21/2"
11-136	1/4"	3/4"	1/2"	21/2"
11-152	<sup>5</sup> /16"	1"	1/2"	2 1/8"
11-158	3/8"	1"	1/2"	3"
11-160	3/8"	11/4"	1/2"	3"
11-164	1/2"	1"	1/2"	2 1/16"
11-168	1/2"	11/4"	1/2"	27/8"
11-172	1/2"	1½"	1/2"	31/8"
11-176	1/2"	2"	1/2"	41/8"
11-180	1/2"	21/2"	1/2"	43/8"
11-184	<sup>9</sup> /16"	11/4"	1/2"	21/2"
11-188	5/8"	11/4"	1/2"	2½"

\*Solid carbide

<u> Up Spiral Router Bits</u>

- Combines effective chip removal with a cut unmatched by standard straight bits.
- Computer-designed flutes provide chip removal required in production settings.
- · Suited for cutting mortises and routing deep blind holes.



75-108

## Application:

- Excellent for grooves and dadoes in all composition materials, plywood, hardwood, and soft wood.
- Use on CNC and other automatic routers as well as hand-held and table-mounted portable routers.

ltem Number	Overall Dia.	Carbide Height	Shank Dia.	Overall Length
Double Flui	e			
75-100*	1/8"	1/2"	1/4"	2″
75-101*	³/16"	3/4"	1/4"	2"
75-102*	1/4"	1"	1/4"	2½"
75-103*	1/4"	3/4"	1/4"	2"
75-104*	<sup>5</sup> /16"	1"	1/2"	3"
75-106*	3/8"	11/4"	1/2"	3"
75-108*	1/2"	11/4"	1/2"	3"
75-109*	1/2"	2"	1/2"	4"
75-202*	5/32"	5/8"	1/4"	2"
Triple Flute				
75-306*	3/8"	11/4"	1/2"	3"
75-308*	1/2"	2"	1/2"	4"

<sup>\*</sup>Solid carbide

