

Roughers

Solid Carbide

3 Flute - Square End - Center Cut



- Chipbreaker style is designed for hogging operations in most materials
- The chipbreaking action reduces cutting forces and tool chatter, which in turn permits higher feed rates for maximum metal removal

Cutter Diameter (Inch)	Shank Diameter (Inch)	Flute Length (Inch)	Overall Length (Inch)	Code
3/16	3/16	5/8	2	934581

Solid Carbide - TiAlN Coated

3 Flute - Square End - Center Cut



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Cutter Diameter (Inch)	Shank Diameter (Inch)	Flute Length (Inch)	Overall Length (Inch)	Code
3/16	3/16	5/8	2	934612

Solid Carbide

4 Flute - Square End - Center Cut

Cutter Diameter (Inch)	Shank Diameter (Inch)	Flute Length (Inch)	Overall Length (Inch)	Code	Cutter Diameter (Inch)	Shank Diameter (Inch)	Flute Length (Inch)	Overall Length (Inch)	Code
1/4	1/4	3/4	2-1/2	934584	5/8	5/8	1-1/4	3-1/2	934596
5/16	5/16	3/4	2-1/2	934587	3/4	3/4	1-1/2	4	934599
3/8	3/8	7/8	2-1/2	934590	1	1	1-3/4	4	934602
1/2	1/2	1	3	934593					

Solid Carbide - TiAlN Coated

4 Flute - Square End - Center Cut

Cutter Diameter (Inch)	Shank Diameter (Inch)	Flute Length (Inch)	Overall Length (Inch)	Code	Cutter Diameter (Inch)	Shank Diameter (Inch)	Flute Length (Inch)	Overall Length (Inch)	Code
1/4	1/4	3/4	2-1/2	934615	5/8	5/8	1-1/4	3-1/2	934627
5/16	5/16	3/4	2-1/2	934618	3/4	3/4	1-1/2	4	934630
3/8	3/8	7/8	2-1/2	934621	1	1	1-3/4	4	934633
1/2	1/2	1	3	934624					