

STORM

**3-FLUTE HI-HELIX
ECCENTRIC
HEAVY DUTY**



High-Performance

High-Quality

Precision

STORM

3000 SERIES

- ✓ 60° Hi-Helix Carbide End Mills
- ✓ Free Cutting Geometry
- ✓ Available with radius for stronger corners
- ✓ HD-Eccentric Relief for Hard Materials
- ✓ Ground with eccentric relief to provide extra strength and stability to the cutting edge
- ✓ A high-performance end mill used in the milling of stainless steels, titanium, Inconel and nickel-based alloys.



FEROCIOUS

- 3
- Solid Carbide
- PROFILE
- ROUGHING
- SLOTTING
- 60°
- Bright
- ALTiN



3000 SERIES	3-FLUTE	SQUARE END			
EDP#	DIA	SHANK	LOC	OAL	FLUTES
3001	1/8	1/8	1/2	1-1/2	3
3003	3/16	1/4	5/8	2-1/2	3
3103	3/16	1/4	1	2-1/2	3
3006	1/4	1/4	3/4	2-1/2	3
3106	1/4	1/4	1	2-1/2	3
3009	5/16	5/16	13/16	2-1/2	3
3012	3/8	3/8	1	2-1/2	3
3109	3/8	3/8	1-1/2	3	3
3015	7/16	7/16	1	3	3
3018	1/2	1/2	1	3	3
3115	1/2	1/2	2	4	3
3024	5/8	5/8	1-1/4	3-1/2	3
3116	5/8	5/8	1-3/4	4	3
3030	3/4	3/4	1-1/2	4	3
3121	3/4	3/4	2	4	3
3124	3/4	3/4	2-1/2	5	3
3127	3/4	3/4	3-1/2	6	3
3033	1	1	1-1/2	4	3
3136	1	1	4	6-1/2	3

Cutting Diameter Tolerances

+0.000" / -0.002"

Shank Diameter Tolerances

+0.000" / -0.0005"

3000 Series – Storm
3100 Series – Storm XL (XL Length)

Special sizes, lengths and radii available upon request
ALTiN-coated tools: Add "ALTiN" after the part number
Other coatings available upon request

ECCENTRIC RELIEF is a positive arched cutting edge: a convex surface vs. a concave (hollow ground) surface. An eccentric relief increases the strength of an end mill's cutting edges.

ECCENTRIC RELIEF PROFILE

STORM

Concave
(Hollow Ground)
Relief



Brand X

- ✗ Edge is relatively weak
- ✗ Does not support radial forces
- ✗ Has minimal contact area for wear

Eccentric
(Convex)
Relief



CGS

- ✓ Edge has full support
- ✓ Higher feed rates
- ✓ Progressive wear is countered by the increased flute thickness





*High-Performance,
Precision & Quality Are
Crafted Into Every End Mill*

A World Leader in Solid Carbide End Mill Manufacturing



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Distributed By:



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