



**Niagara Cutter**

**STR430** - 4 Flutes 30° Helix Solid Carbide Single-End Mill  
for Carbon Steels, Tool Steels, Alloy Steels & Cast Irons  
Stabilizer-GP, Center-Cutting, Radius

Eccentric Primary Relief  
Extra-Fine Grain Carbide  
Weldon Flat on Shank Sizes  $\geq 3/8"$   
Microshield TiAlN Coating Standard

Flute Diameter Tolerances :  $+0.000"/-0.002"$   
Shank Diameter Tolerances :  $-0.0001"/-0.0004"$   
Overall Length Tolerances :  $\pm 0.060"$   
Length of Cut Tolerances  
[1/16", 5/16"]  $+0.030"/-0.000"$   
[21/64", 1"]  $+0.060"/-0.000"$   
Helix Angle : 30°

| Flute Diam. | Shank Diam. | Length Of Cut | Overall Length | Radius      | #F | TiAlN |
|-------------|-------------|---------------|----------------|-------------|----|-------|
| 1/8         | 1/8         | 1/8           | 1-1/2          | 0.008-0.010 | 4  | 60679 |
| 1/8         | 1/8         | 3/8           | 1-1/2          | 0.008-0.010 | 4  | 60680 |
| 5/32        | 3/16        | 3/16          | 2              | 0.008-0.010 | 4  | 60681 |
| 5/32        | 3/16        | 7/16          | 2              | 0.008-0.010 | 4  | 60682 |
| 3/16        | 3/16        | 3/16          | 2              | 0.008-0.010 | 4  | 60683 |
| 3/16        | 3/16        | 7/16          | 2              | 0.008-0.010 | 4  | 60684 |
| 7/32        | 1/4         | 1/4           | 2              | 0.015-0.020 | 4  | 60685 |
| 7/32        | 1/4         | 7/16          | 2-1/2          | 0.015-0.020 | 4  | 60686 |
| 1/4         | 1/4         | 1/4           | 2              | 0.015-0.020 | 4  | 60687 |
| 1/4         | 1/4         | 1/2           | 2-1/2          | 0.015-0.020 | 4  | 60688 |
| 9/32        | 5/16        | 5/8           | 2-1/2          | 0.015-0.020 | 4  | 60689 |
| 5/16        | 5/16        | 5/16          | 2              | 0.015-0.020 | 4  | 60690 |
| 5/16        | 5/16        | 13/16         | 2-1/2          | 0.015-0.020 | 4  | 60691 |
| 11/32       | 3/8         | 13/16         | 2-1/2          | 0.015-0.020 | 4  | 60692 |
| 3/8         | 3/8         | 3/8           | 2              | 0.015-0.020 | 4  | 60693 |
| 3/8         | 3/8         | 7/8           | 2-1/2          | 0.015-0.020 | 4  | 60694 |
| 13/32       | 7/16        | 15/16         | 2-3/4          | 0.015-0.020 | 4  | 60695 |
| 7/16        | 7/16        | 7/16          | 2-1/2          | 0.015-0.020 | 4  | 60696 |
| 7/16        | 7/16        | 1             | 2-3/4          | 0.015-0.020 | 4  | 60697 |
| 15/32       | 1/2         | 1             | 3              | 0.030-0.035 | 4  | 60698 |
| 1/2         | 1/2         | 1/2           | 2-1/2          | 0.030-0.035 | 4  | 60699 |
| 1/2         | 1/2         | 1             | 3              | 0.030-0.035 | 4  | 60700 |
| 1/2         | 1/2         | 1-1/4         | 3              | 0.030-0.035 | 4  | 57337 |
| 9/16        | 9/16        | 1-1/8         | 3-1/2          | 0.030-0.035 | 4  | 60701 |
| 5/8         | 5/8         | 5/8           | 3              | 0.030-0.035 | 4  | 60702 |
| 5/8         | 5/8         | 1-1/4         | 3-1/2          | 0.030-0.035 | 4  | 60703 |
| 11/16       | 3/4         | 1-3/8         | 4              | 0.030-0.035 | 4  | 57338 |



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| Flute Diam. | Shank Diam. | Overall Length | Length Of Cut | Radius      | #F | TiAlN |
|-------------|-------------|----------------|---------------|-------------|----|-------|
| 3/4         | 3/4         | 3/4            | 3             | 0.030-0.035 | 4  | 60704 |
| 3/4         | 3/4         | 1-1/2          | 4             | 0.030-0.035 | 4  | 60705 |
| 13/16       | 7/8         | 1-5/8          | 4             | 0.030-0.035 | 4  | 57339 |
| 7/8         | 7/8         | 1-3/4          | 4             | 0.030-0.035 | 4  | 57340 |
| 15/16       | 1           | 1-7/8          | 4             | 0.030-0.035 | 4  | 57341 |
| 1           | 1           | 1              | 4             | 0.030-0.035 | 4  | 60706 |
| 1           | 1           | 1-1/2          | 4             | 0.030-0.035 | 4  | 60707 |
| 1           | 1           | 2              | 5             | 0.030-0.035 | 4  | 57342 |
| 1-1/4       | 1-1/4       | 2-1/4          | 5             | 0.030-0.035 | 4  | 57343 |