

TOLERANCES

| | |
|-----------|-----------------------------------|
| <i>d1</i> | +0.000" -0.002" (+.000mm -.050mm) |
| <i>d2</i> | h6 |
| <i>r</i> | +0.001" -0.001" (+.025 -.025mm) |

HIGH EFFICIENCY MILLING

Series VX-7C - Chip Splitter



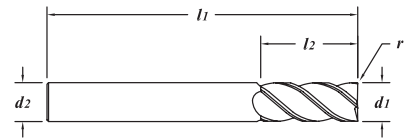
TECH
PAGES
300-301

Recommended for titanium, stainless, and tool steels under 45Rc

Seven-Flute End Mill

AlCrN-Based Coating

- Solid submicron grain carbide end mill - non-center cutting
- Chip splitter to help break long chips
- Engineered for High Efficiency Milling
- Multiple flutes for increased feed rates
- Staggered flute geometry
- PCT (Polish Carbide Treatment) enhances tool life
- Up to 15% Radial (ae) engagement



| EDP# | <i>d1</i> † Diameter | | <i>d2</i> Shank Diameter | <i>l1</i> Overall Length | <i>l2</i> Flute Length | <i>r</i> Corner Radius | 1-11 | 12-24 | 25-49 | 50-100 | |
|-------|-------------------------|--------|--------------------------------|--------------------------------|------------------------------|------------------------------|-------|--------|--------|--------|--------|
| | Decimal | Metric | | | | | | | | | |
| 64300 | .3750 | 3/8" | 9.525 | 3/8" | 2-1/2" | 1" | - | 65.50 | 62.66 | 59.81 | 56.96 |
| 64302 | .3750 | 3/8" | 9.525 | 3/8" | 2-1/2" | 1" | .020" | 71.08 | 67.99 | 64.90 | 61.81 |
| 64304 | .3750 | 3/8" | 9.525 | 3/8" | 2-1/2" | 1" | .030" | 71.08 | 67.99 | 64.90 | 61.81 |
| 64310 | .4724 | | 12.000 | 12.0 | 100 | 50 | 0.50 | 130.35 | 124.69 | 119.02 | 113.35 |
| 64316 | .5000 | 1/2" | 12.700 | 1/2" | 2-1/2" | 5/8" | .030" | 98.35 | 94.07 | 89.80 | 85.52 |
| 64318 | .5000 | 1/2" | 12.700 | 1/2" | 2-1/2" | 5/8" | .060" | 98.35 | 94.07 | 89.80 | 85.52 |
| 64322 | .5000 | 1/2" | 12.700 | 1/2" | 3" | 1" | .030" | 105.81 | 101.21 | 96.61 | 92.01 |
| 64330 | .5000 | 1/2" | 12.700 | 1/2" | 3" | 1-1/4" | .030" | 105.81 | 101.21 | 96.61 | 92.01 |
| 64332 | .5000 | 1/2" | 12.700 | 1/2" | 3" | 1-1/4" | .060" | 105.81 | 101.21 | 96.61 | 92.01 |
| 64338 | .5000 | 1/2" | 12.700 | 1/2" | 3-1/2" | 1-1/2" | - | 112.71 | 107.81 | 102.91 | 98.01 |
| 64342 | .5000 | 1/2" | 12.700 | 1/2" | 3-1/2" | 1-1/2" | .030" | 123.36 | 118.00 | 112.63 | 107.27 |
| 64346 | .5000 | 1/2" | 12.700 | 1/2" | 4" | 2" | - | 115.41 | 110.40 | 105.38 | 100.36 |
| 64348 | .5000 | 1/2" | 12.700 | 1/2" | 4" | 2" | .030" | 126.06 | 120.58 | 115.10 | 109.62 |
| 64352 | .5000 | 1/2" | 12.700 | 1/2" | 4" | 2" | .125" | 126.06 | 120.58 | 115.10 | 109.62 |
| 64360 | .6250 | 5/8" | 15.875 | 5/8" | 4" | 1-3/4" | - | 153.43 | 146.76 | 140.09 | 133.42 |
| 64364 | .6250 | 5/8" | 15.875 | 5/8" | 4" | 1-3/4" | .030" | 166.96 | 159.70 | 152.44 | 145.18 |
| 64368 | .6299 | | 16.000 | 16.0 | 100 | 40 | 0.75 | 176.73 | 169.05 | 161.36 | 153.68 |
| 64369 | .6299 | | 16.000 | 16.0 | 100 | 40 | 1.00 | 176.73 | 169.05 | 161.36 | 153.68 |
| 64372 | .6299 | | 16.000 | 16.0 | 100 | 50 | 1.00 | 176.73 | 169.05 | 161.36 | 153.68 |
| 64380 | .7500 | 3/4" | 19.050 | 3/4" | 4" | 1-1/2" | .030" | 215.41 | 206.04 | 196.68 | 187.31 |
| 64386 | .7500 | 3/4" | 19.050 | 3/4" | 6" | 3-1/4" | .030" | 336.48 | 321.85 | 307.22 | 292.59 |
| 64400 | 1.000 | 1" | 25.400 | 1" | 5" | 2-1/2" | .030" | 419.38 | 401.15 | 382.91 | 364.68 |

HIGH PERFORMANCE
END MILLS

70
35
0
MATERIAL HARDNESS (Rc)