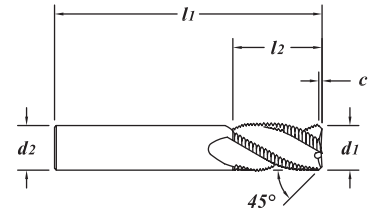


TOLERANCES

| | | |
|----|---------------------------------|-------------------------------------|
| d1 | +0,000 -0,050mm (+.000" -.002") | |
| d2 | 3mm - 6mm | +0,0000 -0,0075mm (+.0000" -.0003") |
| | 1/4" - 1" | -0,0025 -0,0100mm (-.0001" -.0004") |

HIGH PERFORMANCE
END MILLS

Balinit® X.CEED Coated
Balinit® X.CEED-Beschichtet
Recubrimiento de Balinit® X.CEED
Revêtement Balinit® X.CEED
Rivestimento in Balinit® X.CEED
Balinit® X.CEED 涂层



Solid submicron grain carbide end mill - center cutting
 State-of-the-art rougher using VRX technology
 Reduces tool pressure for more aggressive machining
 Recommended for stainless steel, inconel, pH materials, cold rolled steel, titanium, cast iron and tool steels
 Variable flute geometry



Hochleistungs- Vollhartmetallfräser aus Feinkornhartmetall - Zentrumschnitt
 Herkömmliche Vollhartmetallschrupper
 Reduziert Schnittdruck für eine aggressivere Bearbeitung
 Empfohlen für Rostfreien Stahl, Inconel, Pulvermetalle, Kaltformstähle, Titan, Grauguss und Werkzeugstähle
 Variable Spannut-Geometrie



Fresa de submicrograno sólido carburo de alto rendimiento - corte centrado
 Desbaste de la mejor calidad con la tecnología VRX
 Reduce la presión en la herramienta para los mecanizados más agresivos
 Recomendado para acero inoxidable, inconel, materiales pH, acero laminado en frío, hierro de fundición y aceros herramienta
 Geometría variable de ranura de viruta



Fraises carbure submicrograin - coupe au centre
 La maîtrise de l'art pour le fraisage d'ébauche avec technologie des VRX
 Reduction de la pression outil pour un fraisage plus agressif
 Recommandée pour les aciers inoxydables, inconel, inox pH, aciers a outils, aciers forges, titane, fontes et aciers a outils
 Géométrie variable de la helix



Super sub-micrograno metallo duro - taglio al centro
 Metallo duro per sgrossatura con tecnologia VRX
 Riduce lo sforzo di taglio per lavorazioni aggressive
 Raccomandata per lavorazioni su inox, inconel, acciai pressati a freddo, titanio, ghisa e acciai per utensili
 Geometria ad elica variabile



超细晶粒整体硬质合金立铣刀 - 中心切削
 最先进的整体硬质合金粗切刀具/用途 VRX 技术
 减少刀具压力, 用于更高速度, 更大进给的加工
 推荐加工不锈钢, 铬镍铁耐热耐腐蚀合金, 含磷材质、冷轧钢、钛钢、铸铁和工具钢
 不等分刃设计

| EDP# | d1 † Diameter | | d2 Shank Diameter | l1 Overall Length | l2 Flute Length | c Chamfer Length | |
|---------|------------------|--------|-------------------------|-------------------------|-----------------------|------------------------|-------|
| | Decimal | Metric | | | | | |
| 49490 | .2362 | 6,00 | 6,0 | 50 | 12 | 0,5 | |
| 49500 | .2362 | 6,00 | 6,0 | 65 | 19 | 0,5 | |
| 49520 | .2500 | 1/4" | 6,35 | 1/4" | 2" | 3/8" | .020" |
| 49540 | .2500 | 1/4" | 6,35 | 1/4" | 2-1/2" | 3/4" | .020" |
| 49550 | .2756 | 7,00 | 8,0 | 50 | 12 | 0,5 | |
| 49555 | .2756 | 7,00 | 8,0 | 65 | 22 | 0,5 | |
| 49570 | .2812 | 9/32" | 7,14 | 5/16" | 2" | 7/16" | .020" |
| 49575 | .2812 | 9/32" | 7,14 | 5/16" | 2-1/2" | 13/16" | .020" |
| 49580 | .3125 | 5/16" | 7,94 | 5/16" | 2" | 7/16" | .020" |
| 49600 | .3125 | 5/16" | 7,94 | 5/16" | 2-1/2" | 13/16" | .020" |
| 49610 | .3150 | 8,00 | 8,0 | 50 | 12 | 0,5 | |
| 49620 | .3150 | 8,00 | 8,0 | 65 | 22 | 0,5 | |
| 49625 | .3438 | 11/32" | 8,73 | 3/8" | 2" | 1/2" | .025" |
| 49630 | .3438 | 11/32" | 8,73 | 3/8" | 2-1/2" | 7/8" | .025" |
| 49635 | .3543 | 9,00 | 10,0 | 50 | 14 | 0,5 | |
| 49637 | .3543 | 9,00 | 10,0 | 65 | 22 | 0,5 | |
| 49640 | .3750 | 3/8" | 9,52 | 3/8" | 2" | 1/2" | .025" |
| 49660 | .3750 | 3/8" | 9,52 | 3/8" | 2-1/2" | 7/8" | .025" |
| 49670 | .3937 | 10,00 | 10,0 | 50 | 16 | 0,5 | |
| 49680 | .3937 | 10,00 | 10,0 | 70 | 22 | 0,5 | |
| 49690 | .4375 | 7/16" | 11,11 | 7/16" | 2-1/2" | 5/8" | .025" |
| 49700 | .4375 | 7/16" | 11,11 | 7/16" | 2-3/4" | 1" | .025" |
| 49710 | .4724 | 12,00 | 12,0 | 65 | 19 | 0,8 | |
| 49720 | .4724 | 12,00 | 12,0 | 75 | 32 | 0,8 | |
| * 49740 | .5000 | 1/2" | 12,70 | 1/2" | 2-1/2" | 5/8" | .030" |
| * 49760 | .5000 | 1/2" | 12,70 | 1/2" | 3" | 1-1/4" | .030" |
| * 49765 | .5512 | 14,00 | 14,0 | 75 | 19 | 0,8 | |
| * 49770 | .5512 | 14,00 | 14,0 | 88 | 32 | 0,8 | |
| * 49780 | .6250 | 5/8" | 15,87 | 5/8" | 3" | 3/4" | .035" |
| * 49800 | .6250 | 5/8" | 15,87 | 5/8" | 3-1/2" | 1-1/4" | .035" |
| * 49820 | .6250 | 5/8" | 15,87 | 5/8" | 4" | 1-5/8" | .035" |
| * 49830 | .6299 | 16,00 | 16,0 | 75 | 19 | 1,0 | |
| * 49840 | .6299 | 16,00 | 16,0 | 88 | 32 | 1,0 | |
| * 49845 | .7087 | 18,00 | 18,0 | 75 | 22 | 1,0 | |
| * 49850 | .7087 | 18,00 | 18,0 | 100 | 38 | 1,0 | |
| * 49860 | .7500 | 3/4" | 19,05 | 3/4" | 3" | 7/8" | .040" |
| * 49880 | .7500 | 3/4" | 19,05 | 3/4" | 4" | 1-5/8" | .040" |
| * 49890 | .7874 | 20,00 | 20,0 | 75 | 22 | 1,0 | |
| * 49900 | .7874 | 20,00 | 20,0 | 100 | 38 | 1,0 | |
| * 49905 | .8661 | 22,00 | 22,0 | 100 | 22 | 1,0 | |
| * 49910 | .8661 | 22,00 | 22,0 | 100 | 38 | 1,0 | |
| * 49915 | .9843 | 25,00 | 25,0 | 100 | 25 | 1,0 | |
| * 49920 | .9843 | 25,00 | 25,0 | 100 | 38 | 1,0 | |
| * 49925 | 1.000 | 1" | 25,40 | 1" | 4" | 1" | .040" |
| * 49930 | 1.000 | 1" | 25,40 | 1" | 4" | 1-1/2" | .040" |
| * 49940 | 1.000 | 1" | 25,40 | 1" | 5" | 2" | .040" |

* - Tools with weldon flats