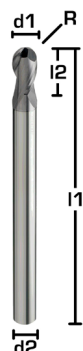


## VHM-Formenbau X-Tra Vollradiusfräser 30° lang

E.7644.1



Solid carbide X-Tra ball nose end mills 30° for moulds, long

Frezы z węglika spiekanego dwuostrzowe długie 30° z czolem kulistym do form

Frese ragiate MD "X-Tra" 30° per stampi, serie lunga

Fresas de metal duro "X-Tra" de 30° para moldes, con radio, serie larga

Karbür Küre X-Tra Kalıp Frezesi 30°, Uzun

Фрезы концевые радиусные (30°) удлиненные, для высокоскоростной обработки сталей до 65 HRC



| Material | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.1 | 2.2 | 3.1 | 3.2 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Material | 3.3 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 5.1 | 5.2 | 6.1 | 6.2 | 6.3 |     |

Schnittwerte Seite 7102  
Cutting data page 7102

| d1    | R    | l2    | l1     | d2 h6 | Artikelnummer<br>Article-No. | €<br>Stück / piece |
|-------|------|-------|--------|-------|------------------------------|--------------------|
| 3.00  | 1.50 | 5.00  | 80.00  | 6.00  | E.7644.1.0300                | 52.20              |
| 4.00  | 2.00 | 8.00  | 80.00  | 6.00  | E.7644.1.0400                | 52.20              |
| 6.00  | 3.00 | 10.00 | 100.00 | 6.00  | E.7644.1.0600                | 52.20              |
| 8.00  | 4.00 | 12.00 | 100.00 | 8.00  | E.7644.1.0800                | 63.80              |
| 10.00 | 5.00 | 14.00 | 100.00 | 10.00 | E.7644.1.1000                | 86.90              |

## VHM-Formenbau-Kugelfräser 15°

E.7645.1



Solid carbide ball nose end mills 15° for moulds

Frezы z węglika spiekanego dwuostrzowe 15° z czolem kulistym do form

Frese ragiate MD 15° per stampi

Fresas de metal duro de 15° para moldes, con punta bola

Karbür Küre Kalıp Frezesi 15°

Фрезы концевые шарообразные (15°) длинные, для высокоскоростной обработки сталей и чугуна до 65 HRC



| Material | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.1 | 2.2 | 3.1 | 3.2 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Material | 3.3 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 5.1 | 5.2 | 6.1 | 6.2 | 6.3 |     |

Schnittwerte Seite 7103  
Cutting data page 7103

| d1    | R    | d3   | l2    | l1     | d2 h6 | Artikelnummer<br>Article-No. | €<br>Stück / piece |
|-------|------|------|-------|--------|-------|------------------------------|--------------------|
| 1.00  | 0.50 | 0.90 | 5.00  | 80.00  | 6.00  | E.7645.1.0100                | 73.00              |
| 2.00  | 1.00 | 1.80 | 10.00 | 80.00  | 6.00  | E.7645.1.0200                | 73.00              |
| 3.00  | 1.50 | 2.80 | 15.00 | 80.00  | 6.00  | E.7645.1.0300                | 73.00              |
| 4.00  | 2.00 | 3.80 | 20.00 | 80.00  | 6.00  | E.7645.1.0400                | 73.00              |
| 5.00  | 2.50 | 4.70 | 25.00 | 90.00  | 6.00  | E.7645.1.0500                | 73.00              |
| 6.00  | 3.00 | 5.70 | 30.00 | 100.00 | 6.00  | E.7645.1.0600                | 73.00              |
| 8.00  | 4.00 | 7.50 | 40.00 | 100.00 | 8.00  | E.7645.1.0800                | 93.80              |
| 10.00 | 5.00 | 9.40 | 50.00 | 120.00 | 10.00 | E.7645.1.1000                | 132.00             |