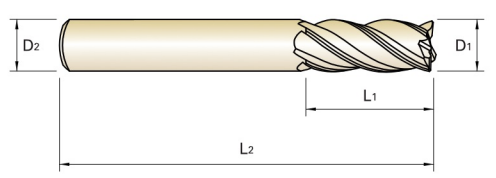
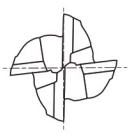
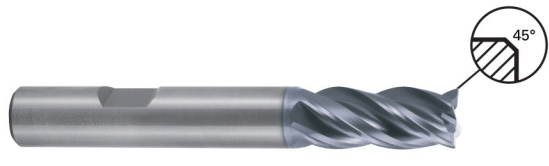


CARBIDE, 4 FLUTE SHORT LENGTH

- VOLLHARTMETALL, 4 SCHNEIDEN KURZ
- CARBURE, 4 DENTS, SÉRIE COURTE
- MD, 4 TAGLIENTI SERIE CORTA

- ▶ Special flute geometry and multiple helix eliminate vibrations
- ▶ Excellent performance for Stainless Steels, Mild Steels, Cast Iron, Low/Medium hardness materials under HRC40
- ▶ Die spezielle Schneidengeometrie und der ungleiche Drill verhindern Vibrationen
- ▶ Exzellente Leistung in Edelstählen, Baustählen, Guss und Stählen unter 40HRC

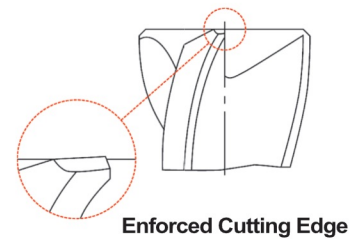


| | | |
|--|---------------|--|
| | FlatShank | PlainShank |
| | ENDMILLHOLDER | POWERMILLINGCHUCK |
| | - | SHRINKFITHOLDER |
| | - | HYDRAULICCHUCK EPICOLETCHUCK SKSLIMCHUCK |

Unit : mm

| EDP No. | | Mill Diameter | Shank Diameter | Length of Cut | Overall Length | Chamfer |
|----------|----------|---------------|----------------|---------------|----------------|---------|
| PLAIN | FLAT | D1 | D2 | L1 | L2 | |
| GMF52030 | GMF53030 | 3.0 | 6 | 7 | 54 | 0.10 |
| GMF52040 | GMF53040 | 4.0 | 6 | 8 | 54 | 0.15 |
| GMF52050 | GMF53050 | 5.0 | 6 | 10 | 54 | 0.15 |
| GMF52060 | GMF53060 | 6.0 | 6 | 10 | 54 | 0.20 |
| GMF52080 | GMF53080 | 8.0 | 8 | 12 | 58 | 0.20 |
| GMF52100 | GMF53100 | 10.0 | 10 | 14 | 66 | 0.30 |
| GMF52120 | GMF53120 | 12.0 | 12 | 16 | 73 | 0.35 |
| GMF52140 | GMF53140 | 14.0 | 14 | 18 | 75 | 0.40 |
| GMF52160 | GMF53160 | 16.0 | 16 | 22 | 82 | 0.40 |
| GMF52180 | GMF53180 | 18.0 | 18 | 24 | 84 | 0.50 |
| GMF52200 | GMF53200 | 20.0 | 20 | 26 | 92 | 0.50 |

| Mill Dia. Tolerance (mm) | | Shank Dia. Tolerance |
|--------------------------|------------|-------------------------|
| Up to Ø12 | 0 ~ - 0.02 | h5 |
| Over Ø12 | 0 ~ - 0.03 | * Shank Dia. ≥ Ø12 : h6 |



⊙ : Excellent ○ : Good

| ISO | P | | | | | | | | | | M | | | | K | | | | | | |
|----------------------|------------------------|-----|------------------------|-----|-----|---|-----|-----|------------------------|-----|------------------------------------|-----|-----------------|-----|-----------------|--------|-------------------|-------------------|---------------------|-----|-----|
| Material Description | Non-alloy steel | | | | | Low alloy steel | | | | | High alloyed steel, and tool steel | | Stainless steel | | Grey cast iron | | Nodular cast iron | | Malleable cast iron | | |
| VDI 3323 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| HRC | 13 | 25 | 28 | 32 | 32 | 10 | 29 | 32 | 38 | 15 | 35 | 15 | 23 | 10 | 10 | 26 | 3 | 25 | 21 | | |
| HB | 125 | 190 | 250 | 270 | 300 | 180 | 275 | 300 | 350 | 200 | 325 | 200 | 240 | 180 | 180 | 260 | 160 | 250 | 130 | 230 | |
| Recommend | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | ⊙ | |
| ISO | N | | | | | | | | S | | | | | | | H | | | | | |
| Material Description | Aluminum-wrought alloy | | Aluminum-cast, alloyed | | | Copper and Copper Alloys (Bronze / Brass) | | | Non Metallic Materials | | Heat Resistant Super Alloys | | | | Titanium Alloys | | Hardened steel | Chilled Cast Iron | Hardened Cast Iron | | |
| VDI 3323 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 |
| HRC | | | | | | | | | | | 15 | 30 | 25 | 38 | 34 | | | 55 | 60 | 42 | 55 |
| HB | 60 | 100 | 75 | 90 | 130 | 110 | 90 | 100 | | | 200 | 280 | 250 | 350 | 320 | 400 Rm | 1050 Rm | 550 | 630 | 400 | 550 |
| Recommend | | | | | | | | | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | |