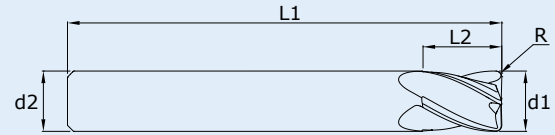


Solid carbide end mills with corner radius  
VHM - Schaftfräser mit Eckenradius  
Fraises toriques carbure  
Karbür Köşe Radyüslü Freze



| F        | E       | 1000     | K      | 4      | C          | 13           | A       | 20     | N      | 072         |
|----------|---------|----------|--------|--------|------------|--------------|---------|--------|--------|-------------|
| END MILL | MG-10   |          | TOOLEX |        |            |              |         |        |        |             |
| TYPE     | QUALITY | DIAMETER | NORM   | FLUTES | SHAFT TYPE | FLUTE LENGTH | HELICAL | RADIUS | COATED | FULL LENGTH |

| d1(e8) | L2 | L1 | d2(h6) | Z | R    | Uncoated Code      | Price (Euro) | Coated Code        | Price (Euro) |
|--------|----|----|--------|---|------|--------------------|--------------|--------------------|--------------|
| 3      | 5  | 40 | 3      | 4 | 0,50 | FE0300K4C05A05B040 |              | FE0300K4C05A05N040 |              |
| 4      | 7  | 50 | 4      | 4 | 0,50 | FE0400K4C07A05B050 |              | FE0400K4C07A05N050 |              |
| 5      | 8  | 50 | 5      | 4 | 0,50 | FE0500K4C08A05B050 |              | FE0500K4C08A05N050 |              |
| 6      | 8  | 57 | 6      | 4 | 0,50 | FE0600K4C08A05B057 |              | FE0600K4C08A05N057 |              |
| 6      | 8  | 57 | 6      | 4 | 1,00 | FE0600K4C08A10B057 |              | FE0600K4C08A10N057 |              |
| 8      | 11 | 63 | 8      | 4 | 0,50 | FE0800K4C11A05B063 |              | FE0800K4C11A05N063 |              |
| 8      | 11 | 63 | 8      | 4 | 1,00 | FE0800K4C11A10B063 |              | FE0800K4C11A10N063 |              |
| 8      | 11 | 63 | 8      | 4 | 1,50 | FE0800K4C11A15B063 |              | FE0800K4C11A15N063 |              |
| 8      | 11 | 63 | 8      | 4 | 2,00 | FE0800K4C11A20B063 |              | FE0800K4C11A20N063 |              |
| 10     | 13 | 72 | 10     | 4 | 0,50 | FE1000K4C13A05B072 |              | FE1000K4C13A05N072 |              |
| 10     | 13 | 72 | 10     | 4 | 1,00 | FE1000K4C13A10B072 |              | FE1000K4C13A10N072 |              |
| 10     | 13 | 72 | 10     | 4 | 1,50 | FE1000K4C13A15B072 |              | FE1000K4C13A15N072 |              |
| 10     | 13 | 72 | 10     | 4 | 2,00 | FE1000K4C13A20B072 |              | FE1000K4C13A20N072 |              |
| 12     | 16 | 83 | 12     | 4 | 0,50 | FE1200K4C16A05B083 |              | FE1200K4C16A05N083 |              |
| 12     | 16 | 83 | 12     | 4 | 1,00 | FE1200K4C16A10B083 |              | FE1200K4C16A10N083 |              |
| 12     | 16 | 83 | 12     | 4 | 1,50 | FE1200K4C16A15B083 |              | FE1200K4C16A15N083 |              |
| 12     | 16 | 83 | 12     | 4 | 2,00 | FE1200K4C16A20B083 |              | FE1200K4C16A20N083 |              |
| 14     | 16 | 83 | 12     | 4 | 0,50 | FE1400K4C16A05B083 |              | FE1400K4C16A05N083 |              |
| 14     | 16 | 83 | 12     | 4 | 1,00 | FE1400K4C16A10B083 |              | FE1400K4C16A10N083 |              |
| 14     | 16 | 83 | 12     | 4 | 1,50 | FE1400K4C16A15B083 |              | FE1400K4C16A15N083 |              |
| 14     | 16 | 83 | 12     | 4 | 2,00 | FE1400K4C16A20B083 |              | FE1400K4C16A20N083 |              |
| 16     | 19 | 92 | 16     | 4 | 0,50 | FE1600K4C19A05B092 |              | FE1600K4C19A05N092 |              |
| 16     | 19 | 92 | 16     | 4 | 1,00 | FE1600K4C19A10B092 |              | FE1600K4C19A10N092 |              |
| 16     | 19 | 92 | 16     | 4 | 1,50 | FE1600K4C19A15B092 |              | FE1600K4C19A15N092 |              |
| 16     | 19 | 92 | 16     | 4 | 2,00 | FE1600K4C19A20B092 |              | FE1600K4C19A20N092 |              |

| HRC 20-30                        |     | HRC 30-40                  |       | INOX                       |       | GG                         |      | AL                         |       | CU                         |       | TITAN                      |       | < 52 HRC                   |       |       |        |
|----------------------------------|-----|----------------------------|-------|----------------------------|-------|----------------------------|------|----------------------------|-------|----------------------------|-------|----------------------------|-------|----------------------------|-------|-------|--------|
| 1.0050-2<br>1.0060-2<br>1.0070-2 |     | 1.5864<br>1.6580<br>1.7225 |       | 1.4405<br>1.4460<br>1.4505 |       | 0.6035<br>0.7080<br>0.8055 |      | 3.2151<br>3.2373<br>3.2382 |       | 2.1247<br>2.0580<br>2.0598 |       | 3.7035<br>3.7055<br>3.7065 |       | 1.3255<br>1.3265<br>1.3333 |       |       |        |
| Vc=120 m/dk.                     |     | Vc=90 m/dk.                |       | Vc=65 m/dk.                |       | Vc=130 m/dk.               |      | Vc=320 m/dk.               |       | Vc=200 m/dk.               |       | Vc=50 m/dk.                |       | Vc=50 m/dk.                |       |       |        |
| d1                               | ap  | ae                         | fz    | n                          | Vf    | fz                         | n    | Vf                         | fz    | n                          | Vf    | fz                         | n     | Vf                         | fz    | n     | Vf     |
| 3                                | 1,5 | 1,5                        | 0,016 | 12739                      | 205xZ | 0,019                      | 9554 | 180xZ                      | 0,017 | 6900                       | 120xZ | 0,045                      | 13800 | 620xZ                      | 0,034 | 33970 | 1150xZ |
| 4                                | 2,0 | 2,0                        | 0,021 | 9554                       | 205xZ | 0,025                      | 7166 | 180xZ                      | 0,023 | 5175                       | 120xZ | 0,060                      | 10350 | 620xZ                      | 0,045 | 25477 | 1150xZ |
| 5                                | 2,5 | 2,5                        | 0,027 | 7643                       | 205xZ | 0,031                      | 5732 | 180xZ                      | 0,029 | 4140                       | 120xZ | 0,075                      | 8280  | 620xZ                      | 0,056 | 20382 | 1150xZ |
| 6                                | 3,0 | 3,0                        | 0,032 | 6369                       | 205xZ | 0,038                      | 4777 | 180xZ                      | 0,035 | 3450                       | 120xZ | 0,090                      | 6900  | 620xZ                      | 0,068 | 16985 | 1150xZ |
| 8                                | 4,0 | 4,0                        | 0,043 | 4777                       | 205xZ | 0,050                      | 3583 | 180xZ                      | 0,046 | 2587                       | 120xZ | 0,120                      | 5175  | 620xZ                      | 0,090 | 12739 | 1150xZ |
| 10                               | 5,0 | 5,0                        | 0,053 | 3822                       | 205xZ | 0,063                      | 2866 | 180xZ                      | 0,058 | 2070                       | 120xZ | 0,150                      | 4140  | 620xZ                      | 0,110 | 10191 | 1150xZ |
| 12                               | 6,0 | 6,0                        | 0,064 | 3185                       | 205xZ | 0,075                      | 2389 | 180xZ                      | 0,070 | 1725                       | 120xZ | 0,180                      | 3450  | 620xZ                      | 0,140 | 8492  | 1150xZ |
| 14                               | 7,0 | 7,0                        | 0,075 | 2730                       | 205xZ | 0,088                      | 2047 | 180xZ                      | 0,081 | 1478                       | 120xZ | 0,210                      | 2957  | 620xZ                      | 0,160 | 7279  | 1150xZ |
| 16                               | 8,0 | 8,0                        | 0,086 | 2389                       | 205xZ | 0,100                      | 1791 | 180xZ                      | 0,093 | 1294                       | 120xZ | 0,240                      | 2588  | 620xZ                      | 0,180 | 6369  | 1150xZ |