

Skin^{up}
Coating

✓
Quality UOP

H
Execution

λ° s
30
Helix

W on request

Length

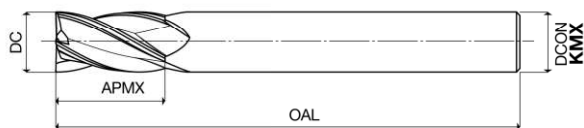
| Cod. Art. | DC h10 | DN | RE | APMX | OAL | LU | DCON h6 | Z | UNCOATED |
|-----------|--------|-----|-----|------|-----|----|---------|---|----------|
| 451070200 | KMX 2 | 1,9 | 0,2 | 7 | 40 | 11 | 2 | 4 | KM |
| 451070300 | KMX 3 | 2,8 | 0,3 | 10 | 40 | 13 | 3 | 4 | KM |
| 451070400 | KMX 4 | 3,7 | 0,5 | 11 | 50 | 16 | 4 | 4 | KM |
| 451070500 | KMX 5 | 4,6 | 0,5 | 13 | 50 | 16 | 5 | 4 | KM |
| 451070600 | KMX 6 | 5,5 | 0,5 | 16 | 57 | 20 | 6 | 4 | KM |
| 451070800 | KMX 8 | 7,4 | 1 | 19 | 63 | 23 | 8 | 4 | KM |
| 451071000 | KMX 10 | 9,2 | 1 | 22 | 72 | 28 | 10 | 4 | KM |
| 451071200 | KMX 12 | 11 | 1 | 26 | 83 | 32 | 12 | 4 | KM |
| 451071400 | KMX 14 | 13 | 1,5 | 28 | 83 | 34 | 14 | 4 | KM |
| 451071600 | KMX 16 | 15 | 1,5 | 32 | 92 | 42 | 16 | 4 | KM |
| 451071800 | KMX 18 | 17 | 2 | 32 | 92 | 42 | 18 | 4 | KM |
| 451072000 | KMX 20 | 19 | 2 | 38 | 104 | 50 | 20 | 4 | KM |

parametri tecnici a pag. / for technical parameters see page 278



— DC 2 to DC 6 Divisione irregolare/Irregular division

== DC 8 to DC 20 Divisione irregolare/Irregular division + Eliche differenziate/Different helices λ° s 30/32



Skin^{up}
Coating

✓
Quality UOP

H
Execution

λ° s
30
Helix

W on request

Length

| Cod. Art. | DC h10 | APMX | OAL | DCON h6 | Z | UNCOATED |
|-----------|--------|------|-----|---------|---|----------|
| 451100300 | KMX 3 | 20 | 55 | 3 | 4 | KM |
| 451100400 | KMX 4 | 20 | 60 | 4 | 4 | KM |
| 451100500 | KMX 5 | 20 | 60 | 5 | 4 | KM |
| 451100600 | KMX 6 | 24 | 65 | 6 | 4 | KM |
| 451100700 | KMX 7 | 30 | 75 | 7 | 4 | KM |
| 451100800 | KMX 8 | 32 | 80 | 8 | 4 | KM |
| 451100900 | KMX 9 | 32 | 80 | 9 | 4 | KM |
| 451101000 | KMX 10 | 32 | 80 | 10 | 4 | KM |
| 451101100 | KMX 11 | 50 | 100 | 11 | 4 | KM |
| 451101200 | KMX 12 | 50 | 100 | 12 | 4 | KM |
| 451101300 | KMX 13 | 55 | 115 | 13 | 4 | KM |
| 451101400 | KMX 14 | 55 | 115 | 14 | 4 | KM |
| 451101500 | KMX 15 | 60 | 120 | 15 | 4 | KM |
| 451101600 | KMX 16 | 60 | 120 | 16 | 4 | KM |
| 451101700 | KMX 17 | 60 | 120 | 17 | 4 | KM |
| 451101800 | KMX 18 | 60 | 120 | 18 | 4 | KM |
| 451101900 | KMX 19 | 60 | 130 | 19 | 4 | KM |
| 451102000 | KMX 20 | 60 | 130 | 20 | 4 | KM |

parametri tecnici a pag. / for technical parameters see page 278



Series

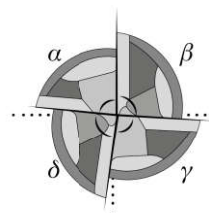
45107

Frese toriche a quattro taglienti
Nuova geometria - Divisione irregolare
Eliche differenziate
Four flute toric cutters
New Geometry - Irregular Division
Different Helices

Z4

TORIC
CUTTERS

IRREGULAR
DIVISION



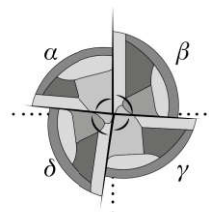
Series

45110

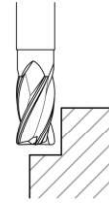
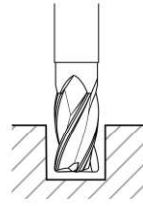
Frese a quattro taglienti
Four flute end mills

Z4

IRREGULAR
DIVISION



Parametri di taglio / Cutting parameters



| Materiali Materials | Cava Slotting $ap = 1\phi \mid ae = 1\phi$ | Contornatura Shouldering $ap = 1,5\phi \mid ae = 0,5\phi$ |
|------------------------|--|---|
|------------------------|--|---|

| | | | | |
|-----------------|------------------------------|--|--|--|
| Serie Series | 45105 - 45107 - 47105 | | | |
|-----------------|------------------------------|--|--|--|

| Gruppo e descrizione Group and description | | Vc (m/min.) | | | |
|---|--|---------------------------|-----------|---------------------------|-----------|
| | | NON RIVESTITA UNCOATED | SkinPower | NON RIVESTITA UNCOATED | SkinPower |
| Ghisa Cast Iron | Grigia e sferoidale Grey and spheroidal | 60 - 70 | 80 - 90 | 100 - 110 | 110 - 120 |
| | Basso contenuto di C Low Carbon content | 60 - 70 | 80 - 90 | 100 - 110 | 110 - 120 |
| Acciaio Steel | Medio contenuto di C Medium Carbon content | 60 - 70 | 80 - 90 | 100 - 110 | 110 - 120 |
| | Basso legato Low alloy | 50 - 60 | 70 - 80 | 70 - 80 | 80 - 90 |
| | Alto legato High alloy | 30 - 40 | 50 - 60 | 60 - 70 | 70 - 80 |
| | Acciaio da stampi e utensili Tool and die Steel | 30 - 40 | 50 - 60 | 50 - 60 | 60 - 70 |
| Rame Ottone Copper Brass | Rame/Ottone Copper/Brass | - | - | 90 - 100 | 120 - 130 |
| | ≤ 54 HRC | - | - | - | - |
| Acciaio Inossidabile AISI Stainless Steel | Aisi 304 - 416 - 420 | - | 40 - 50 | - | 60 - 70 |
| | Aisi 316 - 440 | - | 25 - 35 | - | 40 - 50 |
| | 17-4 ph 15-5 ph | - | 25 - 35 | - | 40 - 50 |
| | Leghe Cr - Co / Cr - Co alloys | - | 15 - 20 | - | 30 - 40 |
| | Duplex F51 | - | 25 - 30 | - | 30 - 40 |
| | Super Duplex F55 | - | 15 - 20 | - | 20 - 30 |
| Superlegahe resistenti al calore Heat Resistant Super Alloys | Hrsa Hastelloy | - | 10 - 15 | - | 20 - 30 |
| | Hrsa Inconel 625 | - | 10 - 15 | - | 20 - 30 |
| | Hrsa Inconel 718 | - | 10 - 15 | - | 20 - 30 |
| | Hrsa Nimonic | - | 10 - 15 | - | 20 - 30 |
| Ti | Titanio - Titanium | - | 25 - 35 | - | 40 - 50 |
| | Leghe di titanio / Titanium alloys | - | 25 - 35 | - | 40 - 50 |

| DC | Avanzamento fz mm/tagliente FEED mm/tooth | |
|----|---|-------|
| 5 | *0,015 | 0,020 |
| 6 | 0,016 | 0,022 |
| 8 | 0,020 | 0,026 |
| 10 | 0,025 | 0,030 |
| 12 | 0,030 | 0,040 |
| 16 | 0,050 | 0,060 |
| 20 | 0,070 | 0,080 |

* Z3

| 45105 | 45107 | 47105 |
|-------|-------|-------|
| ● | ● | ● |
| ● | ● | ● |
| ● | ● | ● |
| ● | ● | ● |
| ● | ● | ● |
| ● | ● | ● |

● consigliata/recommended ● accettabile/acceptable ○ non consigliata/not recommended