

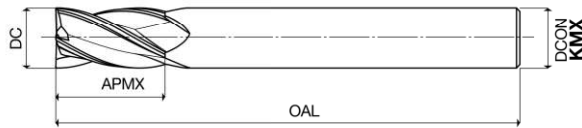
Cod. Art.	DC h10	DN	RE	APMX	OAL	LU	DCON h6	Z	UNCOATED	
451070200	KMX	2	1,9	0,2	7	40	11	2	4	KM
451070300	KMX	3	2,8	0,3	10	40	13	3	4	KM
451070400	KMX	4	3,7	0,5	11	50	16	4	4	KM
451070500	KMX	5	4,6	0,5	13	50	16	5	4	KM
451070600	KMX	6	5,5	0,5	16	57	20	6	4	KM
451070800	KMX	8	7,4	1	19	63	23	8	4	KM
451071000	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



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

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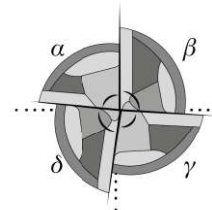
## Series 45107

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



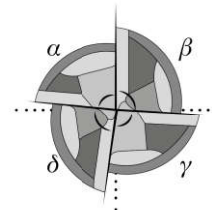
## Series

# 45110

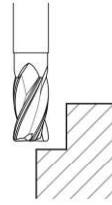
Frese a quattro taglienti  
Four flute end mills

# Z4

## IRREGULAR DIVISION



# Parametri di taglio / Cutting parameters



## Materiali / Materials

Contornatura / Shouldering  
ap = 1,5φ | ae = 0,15φ

Serie / Series **45110\*** - 45120\*\* - 45505 - 46105

Gruppo e descrizione / Group and description		Vc (m/min.)	
		NON RIVESTITA / UNCOATED	<b>Skin<sup>UP</sup></b>
Ghisa / Cast Iron	Grigia e sferoidale / Grey and spheroidal	80 - 90	110 - 120
	Basso contenuto di C / Low Carbon content	90 - 100	120 - 130
Acciaio / Steel	Medio contenuto di C / Medium Carbon content	90 - 100	120 - 130
	Basso legato / Low alloy	80 - 90	110 - 120
	Alto legato / High alloy	70 - 80	90 - 100
	Acciaio da stampi e utensili / Tool and die Steel	50 - 60	70 - 80
Materiali non ferrosi / Non ferrous materials	Alluminio non legato / Unalloyed aluminium	-	-
	Alluminio Si < 6% / si < 6% aluminium	-	-
	Materiali termoplastici / Thermoplastic materials	-	-
	Rame/Ottone / Copper/Brass	90 - 100	120 - 130
Acciaio temprato / Hardened Steel	≤ 54 HRC	-	-
Acciaio inossidabile / Stainless Steel	Aisi 304 - 416 - 420	-	60 - 70
	Aisi 316 - 440	-	40 - 50
	17-4 ph 15-5 ph	-	40 - 50
	Leghe Cr - Co / Cr - Co alloys	-	30 - 40
	Duplex F51	-	30 - 40
	Super Duplex F55	-	20 - 30
Superleghe resistenti al calore / Heat Resistant Super Alloys	Hrsa Hastelloy	-	10 - 15
	Hrsa Inconel 625	-	10 - 15
	Hrsa Inconel 718	-	10 - 15
	Hrsa Nimonic	-	10 - 15
Ti	Titanio - Titanium	-	25 - 35
	Leghe di titanio / Titanium alloys	-	25 - 35

DC	Avanzamento fz mm/tagliente   FEED mm/tooth
3	0,009
4	0,012
5	0,015
6	0,018
8	0,023
10	0,033
12	0,042
16	0,055
20	0,075

\*series 45110 fz consigliato | recommended -50%  
 \*\*series 45120 fz consigliato | recommended -70%

	45110*	45120**	45505	46105
●	●	●	●	●
●	●	●	●	●
○	○	○	○	○
●	●	●	●	●
●	●	●	○	●
○	○	○	○	○

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