

Series

**47105**

Frese a sgrossare

Nuova geometria ottimizzata per grandi asportazioni

Roughing end mills

New geometry optimized for maximum chip removal

**Skin Power**  
Coating

UNI  
DIN 6528  
ISO  
Standards

NR  
Execution

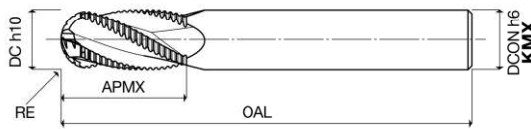
$\lambda^{\circ}S$   
20  
Helix

W on request

Length

Cod. Art.	DC h10	APMX	OAL	DCON h6	Z	UNCOATED
471050500 KMX	5	13	50	5	3	KM
471050600 KMX	6	16	57	6	4	KM
471050700 KMX	7	16	60	7	4	KM
471050800 KMX	8	19	63	8	4	KM
471050900 KMX	9	19	67	9	4	KM
471051000 KMX	10	22	72	10	4	KM
471051100 KMX	11	22	83	11	4	KM
471051200 KMX	12	26	83	12	4	KM
471051300 KMX	13	26	83	13	4	KM
471051400 KMX	14	28	83	14	4	KM
471051500 KMX	15	32	92	15	4	KM
471051600 KMX	16	32	92	16	4	KM
471051700 KMX	17	32	92	17	4	KM
471051800 KMX	18	32	92	18	4	KM
471051900 KMX	19	38	104	19	4	KM
471052000 KMX	20	38	104	20	4	KM

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



**Skin Power**  
Coating

Quality UOP

NR  
Execution

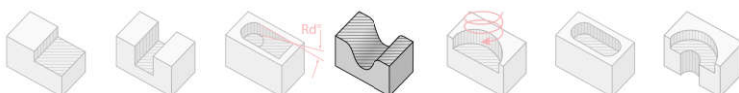
$\lambda^{\circ}S$   
20  
Helix

W on request

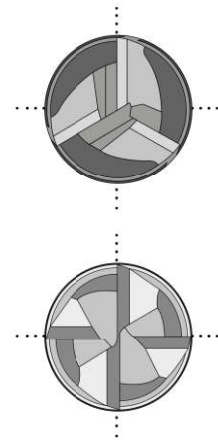
Length

Cod. Art.	DC h10	APMX	OAL	RE	DCON h6	Z	UNCOATED
471350500 KMX	5	13	50	2,5	5	3	KM
471350600 KMX	6	16	57	3	6	4	KM
471350700 KMX	7	16	60	3,5	7	4	KM
471350800 KMX	8	19	63	4	8	4	KM
471350900 KMX	9	19	67	4,5	9	4	KM
471351000 KMX	10	22	72	5	10	4	KM
471351100 KMX	11	22	83	5,5	11	4	KM
471351200 KMX	12	26	83	6	12	4	KM
471351300 KMX	13	26	83	6,5	13	4	KM
471351400 KMX	14	28	83	7	14	4	KM
471351500 KMX	15	32	92	7,5	15	4	KM
471351600 KMX	16	32	92	8	16	4	KM
471351700 KMX	17	32	92	8,5	17	4	KM
471351800 KMX	18	32	92	9	18	4	KM
471351900 KMX	19	38	104	9,5	19	4	KM
471352000 KMX	20	38	104	10	20	4	KM

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Z3÷Z4



Series

**47135**

Frese a sgrossare a testa semisferica

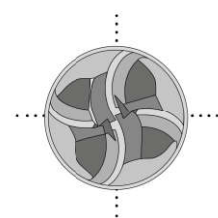
Roughing ball-nosed end mills

Gamma Raggi  
Radii Range

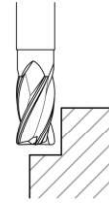
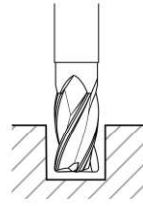
RE: 2,5 - 3 - 3,5 - 4 - 4,5  
5 - 5,5 - 6 - 6,5 - 7 - 7,5  
8 - 8,5 - 9 - 9,5 - 10

Z3÷Z4

BALL-NOSED  
CUTTERS



# Parametri di taglio / Cutting parameters



Materiali Materials	Cava Slotting $ap = 1\phi \mid ae = 1\phi$	Contornatura Shouldering $ap = 1,5\phi \mid ae = 0,5\phi$
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Serie Series	45105 - 45107 - <b>47105</b>			
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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 Copper	Rame/Ottone Copper/Brass	-	-	90 - 100	120 - 130
	Acciaio temprato Hardened Steel	≤ 54 HRC	-	-	-
Acciaio inossidabile 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
Superleghe 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