

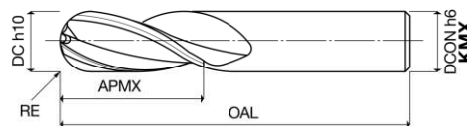
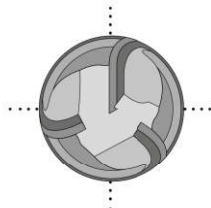
Series 43135

Frese a tre taglienti a testa semisferica
Ball-nosed three flute end mills



**Gamma Raggi
Radii Range**
RE: 1 - 1,5 - 2 - 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
BALL-NOSED
CUTTERS**



Cod. Art.	DC	APMX	OAL	RE	DCON	Z	UNCOATED
431350200 KMX	2	7	40	1	2	3	KM
431350300 KMX	3	10	40	1,5	3	3	KM
431350400 KMX	4	11	50	2	4	3	KM
431350500 KMX	5	13	50	2,5	5	3	KM
431350600 KMX	6	16	57	3	6	3	KM
431350700 KMX	7	16	60	3,5	7	3	KM
431350800 KMX	8	19	63	4	8	3	KM
431350900 KMX	9	19	67	4,5	9	3	KM
431351000 KMX	10	22	72	5	10	3	KM
431351100 KMX	11	22	83	5,5	11	3	KM
431351200 KMX	12	26	83	6	12	3	KM
431351300 KMX	13	26	83	6,5	13	3	KM
431351400 KMX	14	28	83	7	14	3	KM
431351500 KMX	15	32	92	7,5	15	3	KM
431351600 KMX	16	32	92	8	16	3	KM
431351700 KMX	17	32	92	8,5	17	3	KM
431351800 KMX	18	32	92	9	18	3	KM
431351900 KMX	19	38	104	9,5	19	3	KM
431352000 KMX	20	38	104	10	20	3	KM

parametri tecnici a pag. / for technical parameters see page 275



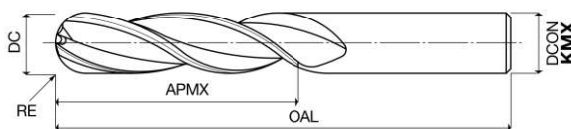
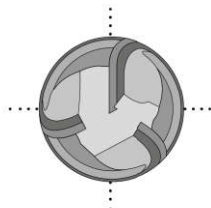
Series 43140

Frese a tre taglienti a testa semisferica
Ball-nosed three flute end mills



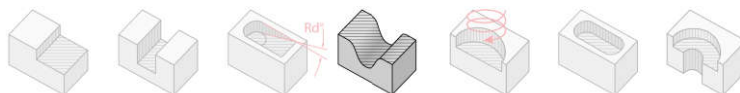
**Gamma Raggi
Radii Range**
RE: 1,5 - 2 - 2,5 - 3 - 3,5 - 4
4,5 - 5 - 5,5 - 6 - 6,5 - 7 - 7,5
8 - 8,5 - 9 - 9,5 - 10

**Z3
BALL-NOSED
CUTTERS**

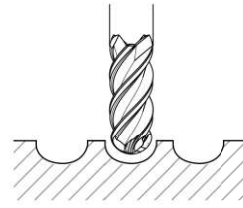


Cod. Art.	DC	APMX	OAL	RE	DCON	Z	UNCOATED
431400300 KMX	3	20	55	1,5	3	3	KM
431400400 KMX	4	20	60	2	4	3	KM
431400500 KMX	5	20	60	2,5	5	3	KM
431400600 KMX	6	24	65	3	6	3	KM
431400700 KMX	7	30	75	3,5	7	3	KM
431400800 KMX	8	32	80	4	8	3	KM
431400900 KMX	9	32	80	4,5	9	3	KM
431401000 KMX	10	32	80	5	10	3	KM
431401100 KMX	11	50	100	5,5	11	3	KM
431401200 KMX	12	50	100	6	12	3	KM
431401300 KMX	13	55	115	6,5	13	3	KM
431401400 KMX	14	55	115	7	14	3	KM
431401500 KMX	15	60	120	7,5	15	3	KM
431401600 KMX	16	60	120	8	16	3	KM
431401700 KMX	17	60	120	8,5	17	3	KM
431401800 KMX	18	60	120	9	18	3	KM
431401900 KMX	19	60	130	9,5	19	3	KM
431402000 KMX	20	60	130	10	20	3	KM

parametri tecnici a pag. / for technical parameters see page 275



Parametri di taglio / *Cutting parameters*



Materiali <i>Materials</i>		Sgrossatura <i>Roughing</i> ap = 0,4φ ae = 0,9φ	
Serie <i>Series</i>		43135 - 43140* - 43150**	
Gruppo e descrizione <i>Group and description</i>		Vc (m/min.)	
		NON RIVESTITA UNCOATED	<i>Skin</i> ^{up}
Ghisa <i>Cast Iron</i>	Grigia e sferoidale <i>Grey and spheroidal</i>	80 - 90	110 - 120
	Basso contenuto di C <i>Low Carbon content</i>	90 - 100	120 - 130
	Medio contenuto di C <i>Medium Carbon content</i>	90 - 100	120 - 130
Acciaio <i>Steel</i>	Basso legato <i>Low alloy</i>	80 - 90	110 - 120
	Alto legato <i>High alloy</i>	70 - 80	90 - 100
	Acciaio da stampi e utensili <i>Tool and die Steel</i>	50 - 60	70 - 80
	Alluminio non legato <i>Unalloyed aluminium</i>	-	-
Materiali non ferrosi - Leghe leggere <i>Non ferrous materials - Light alloys</i>	Alluminio Si < 6% <i>si < 6% aluminium</i>	-	-
	Materiali termoplastici <i>Thermoplastic materials</i>	-	-
Acciaio temprato <i>Tempered Steel</i>	Rame/Ottone <i>Copper/Brass</i>	90 - 100	120 - 130
	≤ 54 HRC	-	-

DC	Avanzamento fz mm/tagliente <i>FEED mm/tooth</i>
2	0,006
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 43140 fz consigliato | *recommended -50%*,

**series 43150 fz consigliato | *recommended -70%*

43135	43140*	43150**
●	●	●
●	●	●
●	●	●
●	●	●

● consigliata/recommended

● accettabile/acceptable

○ non consigliata/not recommended