
passion
for precision
fraisa

Frese per CFC

Torico CVD

N° 25404

X-Generation X

Resistenza all'usura

r 0.2, 0.5, 1.0

CFK GFK I | CFK GFK II | CFK III

701

Estremità emisferica CVD

N° 25704

X-Generation X

Resistenza all'usura

d_1 2 – 12

CFK GFK I | CFK GFK II | CFK III

703

N° 25700

X-Generation X

Resistenza all'usura

d_1 2 – 12

CFK GFK I | CFK GFK II | CFK III

705

Estremità emisferica MD

N° 20760

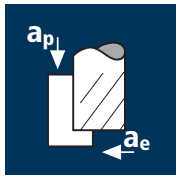
Base-X B

Resistenza all'usura

d_1 4 – 10

CFK GFK I

707

Applicazione	Materiale	d1 [mm]	z	f_z [mm]	a_p [mm]	a_e [mm]	n=10000 min^{-1} vf [mm/min]	n=15000 min^{-1} vf [mm/min]	n=20000 min^{-1} vf [mm/min]	n=30000 min^{-1} vf [mm/min]
	CFC	4	2	0.045	6.0	1.0	900	1350	1800	2700
		6	2	0.070	8.0	1.5	1400	2100	2800	4200
		8	2	0.095	9.0	2.0	1900	2850	3800	5700
		10	2	0.120	9.0	2.5	2400	3600	4800	7200
		12	2	0.135	9.0	3.0	2700	4050	5400	
	PRFV	4	2	0.040	6.0	1.0	800	1200	1600	2400
		6	2	0.060	8.0	1.5	1200	1800	2400	3600
		8	2	0.080	9.0	2.0	1600	2400	3200	4800
		10	2	0.100	9.0	2.5	2000	3000	4000	6000
		12	2	0.115	9.0	3.0	2300	3450	4600	
	Alluminio Si > 6%	4	2	0.035	4.0	1.0	700	1050	1400	2100
		6	2	0.055	6.0	1.5	1100	1650	2200	3300
		8	2	0.070	7.0	2.0	1400	2100	2800	4200
		10	2	0.090	7.0	2.5	1800	2700	3600	5400
		12	2	0.105	7.0	3.0	2100	3150	4200	
	Grafite	4	2	0.040	6.0	1.0	800	1200	1600	2400
		6	2	0.060	8.0	1.5	1200	1800	2400	3600
		8	2	0.080	9.0	2.0	1600	2400	3200	4800
		10	2	0.100	9.0	2.5	2000	3000	4000	6000
		12	2	0.115	9.0	3.0	2300	3450	4600	

Applicazione	Materiale	d1 [mm]	z	f_z [mm]	a_p [mm]	a_e [mm]	n=10000 min^{-1} vf [mm/min]	n=15000 min^{-1} vf [mm/min]	n=20000 min^{-1} vf [mm/min]	n=30000 min^{-1} vf [mm/min]
	CFC	4	2	0.035	2.4	4	700	1050	1400	2100
		6	2	0.055	3.6	6	1100	1650	2200	3300
		8	2	0.075	4.8	8	1500	2250	3000	4500
		10	2	0.095	6.0	10	1900	2850	3800	5700
		12	2	0.110	7.2	12	2200	3300	4400	
	PRFV	4	2	0.030	2.4	4	600	900	1200	1800
		6	2	0.050	3.6	6	1000	1500	2000	3000
		8	2	0.065	4.8	8	1300	1950	2600	3900
		10	2	0.080	6.0	10	1600	2400	3200	4800
		12	2	0.090	7.2	12	1800	2700	3600	
	Alluminio Si > 6%	4	2	0.030	2.0	4	600	900	1200	1800
		6	2	0.045	3.0	6	900	1350	1800	2700
		8	2	0.055	4.0	8	1100	1650	2200	3300
		10	2	0.070	5.0	10	1400	2100	2800	4200
		12	2	0.085	6.0	12	1700	2550	3400	
	Grafite	4	2	0.030	2.4	4	600	900	1200	1800
		6	2	0.050	3.6	6	1000	1500	2000	3000
		8	2	0.065	4.8	8	1300	1950	2600	3900
		10	2	0.080	6.0	10	1600	2400	3200	4800
		12	2	0.090	7.2	12	1800	2700	3600	

Frese cilindriche CVD

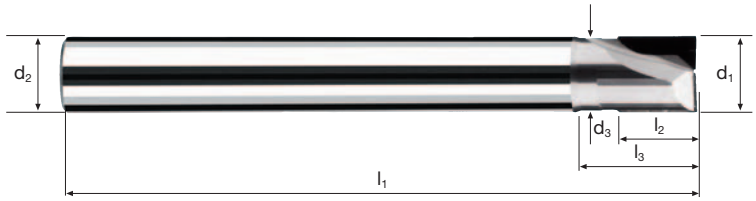
Esecuzione medio-lunga con scarico corto, tagliente diritto

HSS | Favora® | Base-X | X-Generation X

CVD | λ 0° γ 0°

45°

d_1



Resistenza all'usura

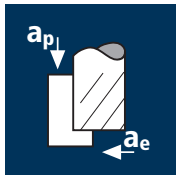
Al Aluminium Cast | **Cu** Copper | **CuZn** Brass | **C** Graphite | **CFK GFK I** | **CFK GFK II** | **CFK III** | **CFK/Al**

Esempio: **N° Ordine** — Rivestimento: — Articolo: **25000** — Codice-ø: **.220**

ø Code	d_1 h7	d_2 h6	d_3	l_1	l_2	l_3	45°	α	z	**25000**
.220	4	6	3.8	60	8	10	0.1	4.1°	2	●
.222	4	6	3.8	60	15	20	0.1	2.4°	2	●
.300	6	6	5.8	65	10	15	0.1	0.0°	2	●
.304	6	6	5.8	65	20	25	0.1	0.0°	2	●
.391	8	8	7.6	70	10	15	0.1	0.0°	2	●
.395	8	8	7.6	70	20	30	0.1	0.0°	2	●
.450	10	10	9.6	85	10	15	0.1	0.0°	2	●
.455	10	10	9.6	85	20	30	0.1	0.0°	2	●
.501	12	12	11.6	92	10	15	0.1	0.0°	2	●
.505	12	12	11.6	92	20	30	0.1	0.0°	2	●

V

Applicazione



Materiale	d1 [mm]	z	f_z [mm]	a_p [mm]	a_e [mm]	n=10000 min^{-1} vf [mm/min]	n=15000 min^{-1} vf [mm/min]	n=20000 min^{-1} vf [mm/min]	n=30000 min^{-1} vf [mm/min]
CFC	2	2	0.020	1.2	1.0	400	600	800	1200
	3	2	0.030	1.8	1.5	600	900	1200	1800
	4	2	0.040	2.4	2.0	800	1200	1600	2400
	6	2	0.065	3.6	3.0	1300	1950	2600	3900
	8	2	0.085	4.8	4.0	1700	2550	3400	5100
	10	2	0.105	6.0	5.0	2100	3150	4200	6300
	12	2	0.120	7.2	6.0	2400	3600	4800	
PRFV	2	2	0.015	1.2	1.0	300	450	600	900
	3	2	0.025	1.8	1.5	500	750	1000	1500
	4	2	0.035	2.4	2.0	700	1050	1400	2100
	6	2	0.055	3.6	3.0	1100	1650	2200	3300
	8	2	0.070	4.8	4.0	1400	2100	2800	4200
	10	2	0.090	6.0	5.0	1800	2700	3600	5400
	12	2	0.100	7.2	6.0	2000	3000	4000	
Alluminio Si > 6%	2	2	0.015	1.0	1.0	300	450	600	900
	3	2	0.025	1.5	1.5	500	750	1000	1500
	4	2	0.030	2.0	2.0	600	900	1200	1800
	6	2	0.050	3.0	3.0	1000	1500	2000	3000
	8	2	0.065	4.0	4.0	1300	1950	2600	3900
	10	2	0.080	5.0	5.0	1600	2400	3200	4800
	12	2	0.090	6.0	6.0	1800	2700	3600	
Grafite	2	2	0.015	1.2	1.0	300	450	600	900
	3	2	0.025	1.8	1.5	500	750	1000	1500
	4	2	0.035	2.4	2.0	700	1050	1400	2100
	6	2	0.055	3.6	3.0	1100	1650	2200	3300
	8	2	0.070	4.8	4.0	1400	2100	2800	4200
	10	2	0.090	6.0	5.0	1800	2700	3600	5400
	12	2	0.100	7.2	6.0	2000	3000	4000	

Applicazione

Materiale	d1 [mm]	z	f_z [mm]	a_p [mm]	a_e [mm]	n=10000 min^{-1} vf [mm/min]	n=15000 min^{-1} vf [mm/min]	n=20000 min^{-1} vf [mm/min]	n=30000 min^{-1} vf [mm/min]
CFC	2	2	0.015	1.0	2	300	450	600	900
	3	2	0.020	1.5	3	400	600	800	1200
	4	2	0.030	2.0	4	600	900	1200	1800
	6	2	0.045	3.0	6	900	1350	1800	2700
	8	2	0.060	4.0	8	1200	1800	2400	3600
	10	2	0.075	5.0	10	1500	2250	3000	4500
	12	2	0.085	6.0	12	1700	2550	3400	
PRFV	2	2	0.010	1.0	2	200	300	400	600
	3	2	0.020	1.5	3	400	600	800	1200
	4	2	0.025	2.0	4	500	750	1000	1500
	6	2	0.040	3.0	6	800	1200	1600	2400
	8	2	0.050	4.0	8	1000	1500	2000	3000
	10	2	0.065	5.0	10	1300	1950	2600	3900
	12	2	0.070	6.0	12	1400	2100	2800	
Alluminio Si > 6%	2	2	0.010	0.8	2	200	300	400	600
	3	2	0.020	1.2	3	400	600	800	1200
	4	2	0.020	1.6	4	400	600	800	1200
	6	2	0.035	2.4	6	700	1050	1400	2100
	8	2	0.045	3.2	8	900	1350	1800	2700
	10	2	0.055	4.0	10	1100	1650	2200	3300
	12	2	0.065	4.8	12	1300	1950	2600	
Grafite	2	2	0.010	1.0	2	200	300	400	600
	3	2	0.020	1.5	3	400	600	800	1200
	4	2	0.025	2.0	4	500	750	1000	1500
	6	2	0.040	3.0	6	800	1200	1600	2400
	8	2	0.050	4.0	8	1000	1500	2000	3000
	10	2	0.065	5.0	10	1300	1950	2600	3900
	12	2	0.070	6.0	12	1400	2100	2800	

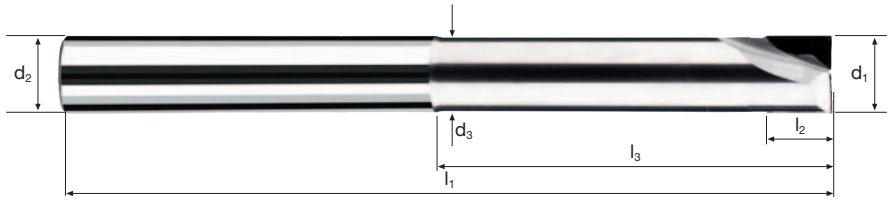
Frese cilindriche CVD

Esecuzione lunga con scarico, tagliente diritto

HSS | Favora® | Base-X | X-Generation X

CVD | λ 0° γ 0°

45°



Resistenza all'usura

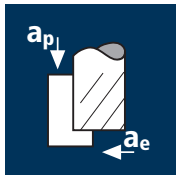
Al Aluminium Cast | **Cu** Copper | **CuZn** Brass | **C** Graphite | **CFK GFK I** | **CFK GFK II** | **CFK III** | **CFK/Al**

Esempio: **N° Ordine** — Rivestimento: **25004** — Codice-ø: **.140**

ø Code	d_1 h7	d_2 h6	d_3	l_1	l_2	l_3	45°	α	z	25004	
.140	2	6	1.9	55	2.5	10	0.1	6.5°	2	●	
.180	3	6	2.8	75	2.5	20	0.1	3.3°	2	●	
.220	4	6	3.8	75	2.5	30	0.1	1.7°	2	●	
.300	6	6	5.6	100	6.0	40	0.1	0.0°	2	●	
.391	8	8	7.4	100	7.0	40	0.1	0.0°	2	●	
.450	10	10	9.6	100	8.0	50	0.1	0.0°	2	●	
.501	12	12	11.6	105	9.0	60	0.1	0.0°	2	●	

V

Applicazione



Materiale	d1 [mm]	z	fz [mm]	ap [mm]	ae [mm]	n=10000 min-1 vf [mm/min]	n=15000 min-1 vf [mm/min]	n=20000 min-1 vf [mm/min]	n=30000 min-1 vf [mm/min]
CFC	8	5	0.075	8.0	4.0	3750	5625	7500	11250
	10	5	0.095	10.0	5.0	4750	7125	9500	14250
	12	7	0.110	12.0	6.0	7700	11550	15400	
PRFV	8	5	0.065	8.0	4.0	3250	4875	6500	9750
	10	5	0.080	10.0	5.0	4000	6000	8000	12000
	12	7	0.095	12.0	6.0	6650	9975	13300	
Alluminio Si > 6%	8	5	0.060	6.4	4.0	3000	4500	6000	9000
	10	5	0.070	8.0	5.0	3500	5250	7000	10500
	12	7	0.085	9.6	6.0	5950	8925	11900	
Grafite	8	5	0.065	8.0	4.0	3250	4875	6500	9750
	10	5	0.080	10.0	5.0	4000	6000	8000	12000
	12	7	0.095	12.0	6.0	6650	9975	13300	

Applicazione

Materiale	d1 [mm]	z	fz [mm]	ap [mm]	ae [mm]	n=10000 min-1 vf [mm/min]	n=15000 min-1 vf [mm/min]	n=20000 min-1 vf [mm/min]	n=30000 min-1 vf [mm/min]
CFC	8	5	0.045	8.0	8	2250	3375	4500	6750
	10	5	0.055	10.0	10	2750	4125	5500	8250
	12	7	0.065	12.0	12	4550	6825	9100	
PRFV	8	5	0.040	8.0	8	2000	3000	4000	6000
	10	5	0.050	10.0	10	2500	3750	5000	7500
	12	7	0.055	12.0	12	3850	5775	7700	
Alluminio Si > 6%	8	5	0.035	6.4	8	1750	2625	3500	5250
	10	5	0.040	8.0	10	2000	3000	4000	6000
	12	7	0.050	9.6	12	3500	5250	7000	
Grafite	8	5	0.040	8.0	8	2000	3000	4000	6000
	10	5	0.050	10.0	10	2500	3750	5000	7500
	12	7	0.055	12.0	12	3850	5775	7700	

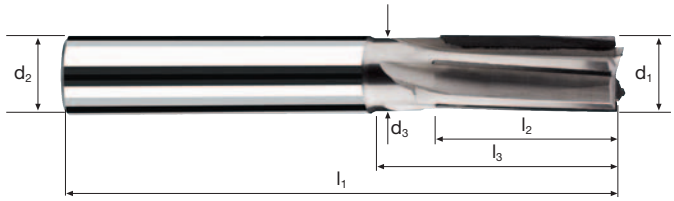
Frese cilindriche CVD

Esecuzione normale con scarico corto, tagliente diritto

HSS | Favora® | Base-X | X-Generation X

CVD | λ **4°** γ **0°**

45°



Resistenza all'usura

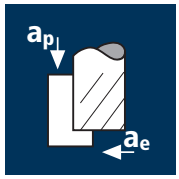
Al Aluminium Cast | **Cu** Copper | **CuZn** Brass | **C** Graphite | **CFK GFK I** | **CFK GFK II** | **CFK III** | **CFK/Al**

Esempio: **N° Ordine** — Rivestimento: **25010** — Codice-ø: **.391**

ø Code	d1 h8	d2 h6	d3	l1	l2	l3	45°	z	25010
.391	8	8	7.4	55	10	18	0.1	5	●
.395	8	8	7.4	65	20	28	0.1	5	●
.450	10	10	9.4	62	12	21	0.1	5	●
.455	10	10	9.4	72	22	31	0.1	5	●
.501	12	12	11.4	70	15	24	0.1	7	●
.505	12	12	11.4	80	24	34	0.1	7	●

V

Applicazione



Materiale	d1 [mm]	z	v_c [m/min]	f_z [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	8	200	0.025	7.2	1.6	15915	3185
	5	8	200	0.030	9.0	2.0	12735	3055
	6	8	200	0.040	10.8	2.4	10610	3395
	8	8	200	0.045	14.4	3.2	7960	2865
	10	8	200	0.050	18.0	4.0	6365	2545
	12	8	200	0.060	21.6	4.8	5305	2545
PRFV	4	8	150	0.030	7.2	1.6	11935	2865
	5	8	150	0.035	9.0	2.0	9550	2675
	6	8	150	0.040	10.8	2.4	7960	2545
	8	8	150	0.050	14.4	3.2	5970	2390
	10	8	150	0.055	18.0	4.0	4775	2100
	12	8	150	0.065	21.6	4.8	3980	2070

Applicazione

Materiale	d1 [mm]	z	v_c [m/min]	f_z [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	8	150	0.020	3.2	4	11935	1910
	5	8	150	0.025	4.0	5	9550	1910
	6	8	150	0.030	4.8	6	7960	1910
	8	8	150	0.035	6.4	8	5970	1670
	10	8	150	0.040	8.0	10	4775	1530
	12	8	150	0.050	9.6	12	3980	1590
PRFV	4	8	100	0.025	3.2	4	7960	1590
	5	8	100	0.030	4.0	5	6365	1530
	6	8	100	0.030	4.8	6	5305	1275
	8	8	100	0.040	6.4	8	3980	1275
	10	8	100	0.045	8.0	10	3185	1145
	12	8	100	0.050	9.6	12	2655	1060

Attenersi alle avvertenze tecniche per l'applicazione a pag. 921!

Frese cilindriche

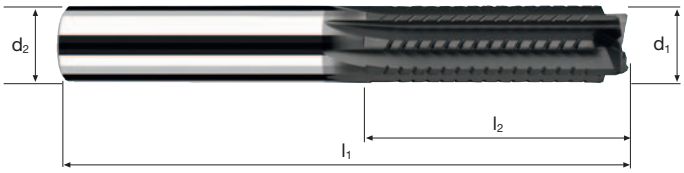
Esecuzione normale, tagliente diritto

HSS | Favora® | Base-X | **B** | X-Generation

HM
MG6

λ **0°**
γ **18°**

45°



Resistenza all'usura

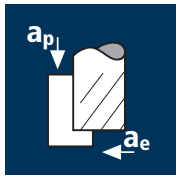
CFK GFK I | **CFK GFK II**

Esempio: **N° Ordine** — Rivestimento **B** | Articolo **20020** | Codice-ø **.220**

ø Code	d1 h10	d2 h6	l1	l2	45°	α	z	DIAMANT B20020
.220	4	6	60	16	0.1	2.9°	8	●
.260	5	6	60	18	0.1	1.4°	8	●
.300	6	6	60	20	0.1	0.0°	8	●
.302	6	6	65	25	0.1	0.0°	8	●
.304	6	6	75	28	0.1	0.0°	8	●
.391	8	8	63	22	0.2	0.0°	8	●
.393	8	8	75	32	0.2	0.0°	8	●
.450	10	10	72	32	0.2	0.0°	8	●
.501	12	12	83	32	0.2	0.0°	8	●

V

Applicazione



Materiale	d1 [mm]	z	v_c [m/min]	f_z [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	8	200	0.025	7.2	1.6	15915	3185
	5	8	200	0.030	9.0	2.0	12735	3055
	6	8	200	0.040	10.8	2.4	10610	3395
	8	8	200	0.045	14.4	3.2	7960	2865
	10	8	200	0.050	18.0	4.0	6365	2545
	12	8	200	0.060	21.6	4.8	5305	2545
PRFV	4	8	150	0.030	7.2	1.6	11935	2865
	5	8	150	0.035	9.0	2.0	9550	2675
	6	8	150	0.040	10.8	2.4	7960	2545
	8	8	150	0.050	14.4	3.2	5970	2390
	10	8	150	0.055	18.0	4.0	4775	2100
	12	8	150	0.065	21.6	4.8	3980	2070

Applicazione

Materiale	d1 [mm]	z	v_c [m/min]	f_z [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	8	150	0.020	3.2	4	11935	1910
	5	8	150	0.025	4.0	5	9550	1910
	6	8	150	0.030	4.8	6	7960	1910
	8	8	150	0.035	6.4	8	5970	1670
	10	8	150	0.040	8.0	10	4775	1530
	12	8	150	0.050	9.6	12	3980	1590
PRFV	4	8	100	0.025	3.2	4	7960	1590
	5	8	100	0.030	4.0	5	6365	1530
	6	8	100	0.030	4.8	6	5305	1275
	8	8	100	0.040	6.4	8	3980	1275
	10	8	100	0.045	8.0	10	3185	1145
	12	8	100	0.050	9.6	12	2655	1060

Attenersi alle avvertenze tecniche per l'applicazione a pag. 921!

Frese cilindriche

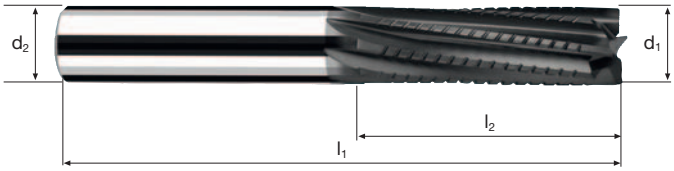
Esecuzione normale, tagliente a trazione

HSS | Favora® | Base-X | **B** | X-Generation

HM
MG6

λ **8°**
γ **18°**

45°



Resistenza all'usura

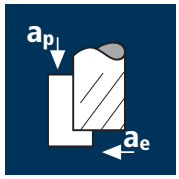
CFK GFK I | **CFK GFK II**

Esempio: **N° Ordine** — Rivestimento **B** + Articolo **20025** + Codice-ø **.220**

ø Code	d1 h10	d2 h6	l1	l2	45°	α	z	DIAMANT B20025
.220	4	6	60	16	0.1	2.9°	8	●
.260	5	6	60	18	0.1	1.4°	8	●
.300	6	6	60	20	0.1	0.0°	8	●
.302	6	6	65	25	0.1	0.0°	8	●
.304	6	6	75	28	0.1	0.0°	8	●
.391	8	8	63	22	0.2	0.0°	8	●
.393	8	8	75	32	0.2	0.0°	8	●
.450	10	10	72	32	0.2	0.0°	8	●
.501	12	12	83	32	0.2	0.0°	8	●

V

Applicazione



Materiale	d1 [mm]	z	v_c [m/min]	f_z [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	8	200	0.025	7.2	1.6	15915	3185
	5	8	200	0.030	9.0	2.0	12735	3055
	6	8	200	0.040	10.8	2.4	10610	3395
	8	8	200	0.045	14.4	3.2	7960	2865
	10	8	200	0.050	18.0	4.0	6365	2545
	12	8	200	0.060	21.6	4.8	5305	2545
PRFV	4	8	150	0.030	7.2	1.6	11935	2865
	5	8	150	0.035	9.0	2.0	9550	2675
	6	8	150	0.040	10.8	2.4	7960	2545
	8	8	150	0.050	14.4	3.2	5970	2390
	10	8	150	0.055	18.0	4.0	4775	2100
	12	8	150	0.065	21.6	4.8	3980	2070

Applicazione

Materiale	d1 [mm]	z	v_c [m/min]	f_z [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	8	150	0.020	3.2	4	11935	1910
	5	8	150	0.025	4.0	5	9550	1910
	6	8	150	0.030	4.8	6	7960	1910
	8	8	150	0.035	6.4	8	5970	1670
	10	8	150	0.040	8.0	10	4775	1530
	12	8	150	0.050	9.6	12	3980	1590
PRFV	4	8	100	0.025	3.2	4	7960	1590
	5	8	100	0.030	4.0	5	6365	1530
	6	8	100	0.030	4.8	6	5305	1275
	8	8	100	0.040	6.4	8	3980	1275
	10	8	100	0.045	8.0	10	3185	1145
	12	8	100	0.050	9.6	12	2655	1060

Attenersi alle avvertenze tecniche per l'applicazione a pag. 921!

Frese cilindriche

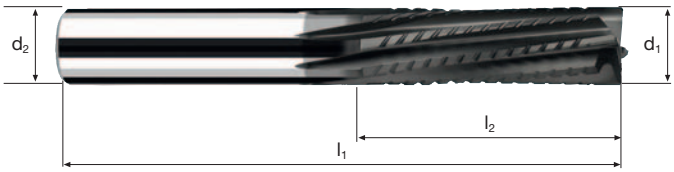
Esecuzione normale, tagliente a spinta

HSS | Favora® | Base-X | **B** | X-Generation

HM
MG6

λ **-8°**
γ **18°**

45°



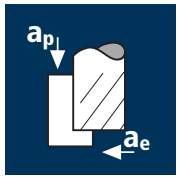
Resistenza all'usura

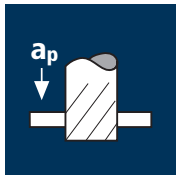
CFK GFK I | **CFK GFK II**

Esempio: **N° Ordine** — Rivestimento **B** + Articolo **20030** + Codice-ø **.220**

ø Code	d1 h10	d2 h6	l1	l2	45°	α	z	DIAMANT B20030
.220	4	6	60	16	0.1	2.9°	8	●
.260	5	6	60	18	0.1	1.4°	8	●
.300	6	6	60	20	0.1	0.0°	8	●
.302	6	6	65	25	0.1	0.0°	8	●
.304	6	6	75	28	0.1	0.0°	8	●
.391	8	8	63	22	0.2	0.0°	8	●
.393	8	8	75	32	0.2	0.0°	8	●
.450	10	10	72	32	0.2	0.0°	8	●
.501	12	12	83	32	0.2	0.0°	8	●

V

Applicazione	Materiale	d1 [mm]	v_c [m/min]	f [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
	CFC	4	160	0.100	8.0	1.6	12735	1275
		5	160	0.140	10.0	2.0	10185	1425
		6	160	0.190	12.0	2.4	8490	1615
		8	160	0.285	16.0	3.2	6365	1815
		10	160	0.385	20.0	4.0	5095	1960
	PRFV	4	100	0.100	8.0	1.6	7960	795
		5	100	0.140	10.0	2.0	6365	890
		6	100	0.190	12.0	2.4	5305	1010
		8	100	0.285	16.0	3.2	3980	1135
		10	100	0.385	20.0	4.0	3185	1225

Applicazione	Materiale	d1 [mm]	v_c [m/min]	f [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
	CFC	4	100	0.070	4.0	4	7960	555
		5	100	0.100	5.0	5	6365	635
		6	100	0.135	6.0	6	5305	715
		8	100	0.200	8.0	8	3980	795
		10	100	0.270	10.0	10	3185	860
	PRFV	4	60	0.070	4.0	4	4775	335
		5	60	0.100	5.0	5	3820	380
		6	60	0.135	6.0	6	3185	430
		8	60	0.200	8.0	8	2385	475
		10	60	0.270	10.0	10	1910	515
	CFC	4	100	0.035	2.0	4	7960	280
		5	100	0.050	2.5	5	6365	320
		6	100	0.065	3.0	6	5305	345
		8	100	0.100	4.0	8	3980	400
		10	100	0.135	5.0	10	3185	430
	PRFV	4	60	0.035	2.0	4	4775	165
		5	60	0.050	2.5	5	3820	190
		6	60	0.065	3.0	6	3185	205
		8	60	0.100	4.0	8	2385	240
		10	60	0.135	5.0	10	1910	260

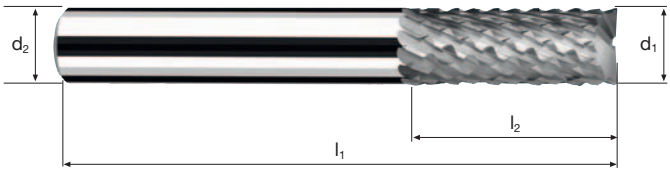
Attenersi alle avvertenze tecniche per l'applicazione a pag. 921!

Frese cilindriche

Esecuzione normale, dentellatura media, tagliente a trazione

HSS | Favora® | Base-X | **B** | X-Generation

HM
MG10



Resistenza all'usura

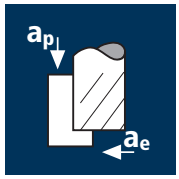
CFK
GFK
I

V

Esempio:
N° Ordine — Rivestimento: — Articolo: **20060** — Codice-ø: **.220**

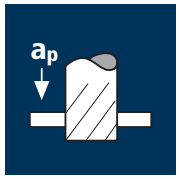
ø Code	d1 h11	d2 h6	l1	l2	20060
.220	4	4	50	16	●
.260	5	5	50	16	●
.300	6	6	60	19	●
.302	6	6	75	30	●
.391	8	8	63	25	●
.393	8	8	75	35	●
.450	10	10	72	25	●

Applicazione



Materiale	d1 [mm]	v_c [m/min]	f [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	160	0.090	8.0	1.6	12735	1145
	5	160	0.125	10.0	2.0	10185	1275
	6	160	0.170	12.0	2.4	8490	1445
	8	160	0.255	16.0	3.2	6365	1625
	10	160	0.345	20.0	4.0	5095	1760
PRFV	4	100	0.090	8.0	1.6	7960	715
	5	100	0.125	10.0	2.0	6365	795
	6	100	0.170	12.0	2.4	5305	900
	8	100	0.255	16.0	3.2	3980	1015
	10	100	0.345	20.0	4.0	3185	1100

Applicazione



Materiale	d1 [mm]	v_c [m/min]	f [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	100	0.065	4.0	4	7960	515
	5	100	0.090	5.0	5	6365	575
	6	100	0.120	6.0	6	5305	635
	8	100	0.180	8.0	8	3980	715
	10	100	0.240	10.0	10	3185	765
PRFV	4	60	0.065	4.0	4	4775	310
	5	60	0.090	5.0	5	3820	345
	6	60	0.120	6.0	6	3185	380
	8	60	0.180	8.0	8	2385	430
	10	60	0.240	10.0	10	1910	460

Materiale	d1 [mm]	v_c [m/min]	f [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	100	0.030	2.0	4	7960	240
	5	100	0.045	2.5	5	6365	285
	6	100	0.060	3.0	6	5305	320
	8	100	0.090	4.0	8	3980	360
	10	100	0.120	5.0	10	3185	380
PRFV	4	60	0.030	2.0	4	4775	145
	5	60	0.045	2.5	5	3820	170
	6	60	0.060	3.0	6	3185	190
	8	60	0.090	4.0	8	2385	215
	10	60	0.120	5.0	10	1910	230

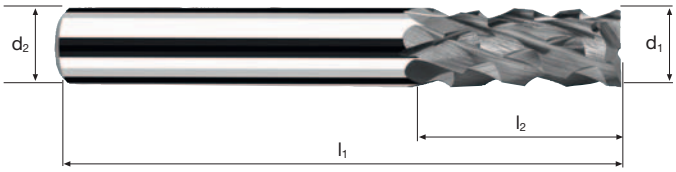
Attenersi alle avvertenze tecniche per l'applicazione a pag. 921!

Frese cilindriche

Esecuzione normale, dentellatura grossa, tagliente a trazione

HSS | Favora® | Base-X | **B** | X-Generation

HM
MG10



Resistenza all'usura

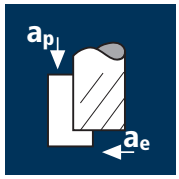
CFK
GFK
I

V

Esempio: **N° Ordine** — Rivestimento | Articolo | Codice-ø: **20040** **.220**

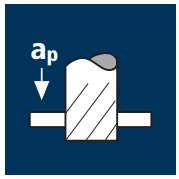
ø Code	d1 h11	d2 h6	l1	l2	20040
.220	4	4	50	16	●
.260	5	5	50	16	●
.300	6	6	60	19	●
.302	6	6	75	30	●
.391	8	8	63	25	●
.393	8	8	75	35	●
.450	10	10	72	25	●

Applicazione



Materiale	d1 [mm]	v_c [m/min]	f [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	160	0.100	8.0	1.6	12735	1275
	5	160	0.140	10.0	2.0	10185	1425
	6	160	0.190	12.0	2.4	8490	1615
	8	160	0.285	16.0	3.2	6365	1815
	10	160	0.385	20.0	4.0	5095	1960
PRFV	4	100	0.100	8.0	1.6	7960	795
	5	100	0.140	10.0	2.0	6365	890
	6	100	0.190	12.0	2.4	5305	1010
	8	100	0.285	16.0	3.2	3980	1135
	10	100	0.385	20.0	4.0	3185	1225

Applicazione



Materiale	d1 [mm]	v_c [m/min]	f [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	100	0.070	4.0	4	7960	555
	5	100	0.100	5.0	5	6365	635
	6	100	0.135	6.0	6	5305	715
	8	100	0.200	8.0	8	3980	795
	10	100	0.270	10.0	10	3185	860
PRFV	4	60	0.070	4.0	4	4775	335
	5	60	0.100	5.0	5	3820	380
	6	60	0.135	6.0	6	3185	430
	8	60	0.200	8.0	8	2385	475
	10	60	0.270	10.0	10	1910	515

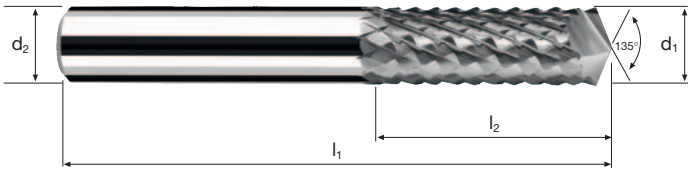
Attenersi alle avvertenze tecniche per l'applicazione a pag. 921!

Frese cilindriche

Esecuzione normale con punta perforante, dentellatura media, tagliente a trazione

HSS | Favora® | Base-X | **B** | X-Generation

HM
MG10



Resistenza all'usura

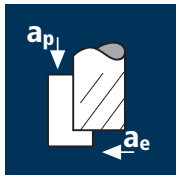
CFK
GFK
I

V

Esempio:
N° Ordine — Rivestimento | Articolo | Codice-ø: **20360** **.220**

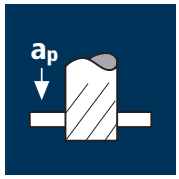
ø Code	d_1 h11	d_2 h6	l_1	l_2	20360
.220	4	4	50	16	●
.260	5	5	50	16	●
.300	6	6	60	19	●
.302	6	6	75	30	●
.391	8	8	60	25	●
.393	8	8	75	35	●
.450	10	10	72	30	●

Applicazione



Materiale	d1 [mm]	v_c [m/min]	f [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	160	0.090	8.0	1.6	12735	1145
	5	160	0.125	10.0	2.0	10185	1275
	6	160	0.170	12.0	2.4	8490	1445
	8	160	0.255	16.0	3.2	6365	1625
	10	160	0.345	20.0	4.0	5095	1760
PRFV	4	100	0.090	8.0	1.6	7960	715
	5	100	0.125	10.0	2.0	6365	795
	6	100	0.170	12.0	2.4	5305	900
	8	100	0.255	16.0	3.2	3980	1015
	10	100	0.345	20.0	4.0	3185	1100

Applicazione



Materiale	d1 [mm]	v_c [m/min]	f [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	100	0.065	4.0	4	7960	515
	5	100	0.090	5.0	5	6365	575
	6	100	0.120	6.0	6	5305	635
	8	100	0.180	8.0	8	3980	715
	10	100	0.240	10.0	10	3185	765
PRFV	4	60	0.065	4.0	4	4775	310
	5	60	0.090	5.0	5	3820	345
	6	60	0.120	6.0	6	3185	380
	8	60	0.180	8.0	8	2385	430
	10	60	0.240	10.0	10	1910	460

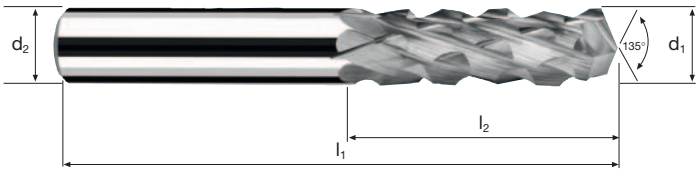
Attenersi alle avvertenze tecniche per l'applicazione a pag. 921!

Frese cilindriche

Esecuzione normale con punta perforante, dentellatura grossa, tagliente a trazione

HSS | Favora® | Base-X | **B** | X-Generation

HM
MG10



Resistenza all'usura

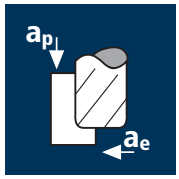
CFK
GFK
I

V

Esempio: **N° Ordine** — Rivestimento | Articolo | Codice-ø: **20340** **.220**

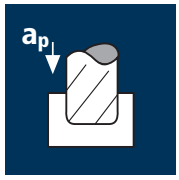
ø Code	d_1 h11	d_2 h6	l_1	l_2	20340	
.220	4	4	50	16	●	
.260	5	5	50	16	●	
.300	6	6	60	19	●	
.302	6	6	75	30	●	
.391	8	8	60	25	●	
.393	8	8	75	35	●	
.450	10	10	72	30	●	

Applicazione



Materiale	d1 [mm]	z	f_z [mm]	a_p [mm]	a_e [mm]	n=10000 min^{-1} vf [mm/min]	n=15000 min^{-1} vf [mm/min]	n=20000 min^{-1} vf [mm/min]	n=30000 min^{-1} vf [mm/min]
CFC	2	2	0.020	1.2	1.0	400	600	800	1200
	3	2	0.030	1.8	1.5	600	900	1200	1800
	4	2	0.040	2.4	2.0	800	1200	1600	2400
	6	2	0.065	3.6	3.0	1300	1950	2600	3900
	8	2	0.085	4.8	4.0	1700	2550	3400	5100
	10	2	0.105	6.0	5.0	2100	3150	4200	6300
	12	2	0.120	7.2	6.0	2400	3600	4800	
PRFV	2	2	0.015	1.2	1.0	300	450	600	900
	3	2	0.025	1.8	1.5	500	750	1000	1500
	4	2	0.035	2.4	2.0	700	1050	1400	2100
	6	2	0.055	3.6	3.0	1100	1650	2200	3300
	8	2	0.070	4.8	4.0	1400	2100	2800	4200
	10	2	0.090	6.0	5.0	1800	2700	3600	5400
	12	2	0.100	7.2	6.0	2000	3000	4000	
Alluminio Si > 6%	2	2	0.015	1.0	1.0	300	450	600	900
	3	2	0.025	1.5	1.5	500	750	1000	1500
	4	2	0.030	2.0	2.0	600	900	1200	1800
	6	2	0.050	3.0	3.0	1000	1500	2000	3000
	8	2	0.065	4.0	4.0	1300	1950	2600	3900
	10	2	0.080	5.0	5.0	1600	2400	3200	4800
	12	2	0.090	6.0	6.0	1800	2700	3600	
Grafite	2	2	0.015	1.2	1.0	300	450	600	900
	3	2	0.025	1.8	1.5	500	750	1000	1500
	4	2	0.035	2.4	2.0	700	1050	1400	2100
	6	2	0.055	3.6	3.0	1100	1650	2200	3300
	8	2	0.070	4.8	4.0	1400	2100	2800	4200
	10	2	0.090	6.0	5.0	1800	2700	3600	5400
	12	2	0.100	7.2	6.0	2000	3000	4000	

Applicazione



Materiale	d1 [mm]	z	f_z [mm]	a_p [mm]	a_e [mm]	n=10000 min^{-1} vf [mm/min]	n=15000 min^{-1} vf [mm/min]	n=20000 min^{-1} vf [mm/min]	n=30000 min^{-1} vf [mm/min]
CFC	2	2	0.015	1.2	2	300	450	600	900
	3	2	0.020	1.8	3	400	600	800	1200
	4	2	0.030	2.4	4	600	900	1200	1800
	6	2	0.045	3.6	6	900	1350	1800	2700
	8	2	0.060	4.8	8	1200	1800	2400	3600
	10	2	0.075	6.0	10	1500	2250	3000	4500
	12	2	0.085	7.2	12	1700	2550	3400	
PRFV	2	2	0.010	1.2	2	200	300	400	600
	3	2	0.020	1.8	3	400	600	800	1200
	4	2	0.025	2.4	4	500	750	1000	1500
	6	2	0.040	3.6	6	800	1200	1600	2400
	8	2	0.050	4.8	8	1000	1500	2000	3000
	10	2	0.065	6.0	10	1300	1950	2600	3900
	12	2	0.070	7.2	12	1400	2100	2800	
Alluminio Si > 6%	2	2	0.010	1.0	2	200	300	400	600
	3	2	0.020	1.5	3	400	600	800	1200
	4	2	0.020	2.0	4	400	600	800	1200
	6	2	0.035	3.0	6	700	1050	1400	2100
	8	2	0.045	4.0	8	900	1350	1800	2700
	10	2	0.055	5.0	10	1100	1650	2200	3300
	12	2	0.065	6.0	12	1300	1950	2600	
Grafite	2	2	0.010	1.2	2	200	300	400	600
	3	2	0.020	1.8	3	400	600	800	1200
	4	2	0.025	2.4	4	500	750	1000	1500
	6	2	0.040	3.6	6	800	1200	1600	2400
	8	2	0.050	4.8	8	1000	1500	2000	3000
	10	2	0.065	6.0	10	1300	1950	2600	3900
	12	2	0.070	7.2	12	1400	2100	2800	

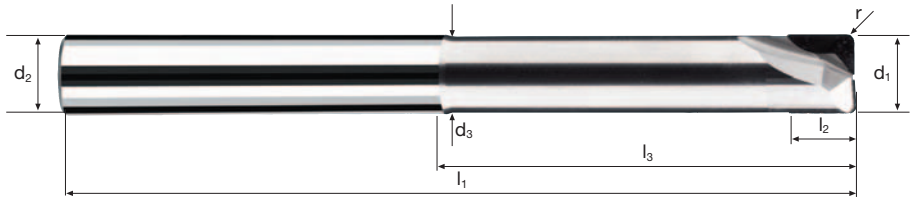
Frese toriche CVD

Esecuzione lunga con scarico, tagliente diritto

HSS | Favora® | Base-X | X-Generation X

CVD

λ 0°
γ 0°



Resistenza all'usura

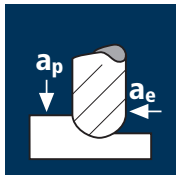
Al Aluminium Cast | **Cu** Copper | **CuZn** Brass | **C** Graphite | **CFK GFK I** | **CFK GFK II** | **CFK III** | **CFK/Al**

Esempio: **N° Ordine** — Rivestimento: **25404** — Codice-ø: **.138**

ø Code	d_1 h7	d_2 h6	d_3	l_1	l_2	l_3	r ±0.01	α	z	25404
.138	2	6	1.9	55	2.5	10	0.2	6.6°	2	●
.178	3	6	2.8	75	2.5	20	0.2	3.3°	2	●
.218	4	6	3.8	75	2.5	30	0.2	1.7°	2	●
.300	6	6	5.6	100	6.0	40	0.5	0.0°	2	●
.388	8	8	7.6	100	7.0	40	0.5	0.0°	2	●
.448	10	10	9.6	100	8.0	50	0.5	0.0°	2	●
.498	12	12	11.6	107	9.0	60	0.5	0.0°	2	●
.302	6	6	5.6	100	6.0	40	1.0	0.0°	2	●
.391	8	8	7.6	100	7.0	40	1.0	0.0°	2	●
.450	10	10	9.6	100	8.0	50	1.0	0.0°	2	●
.501	12	12	11.6	107	9.0	60	1.0	0.0°	2	●

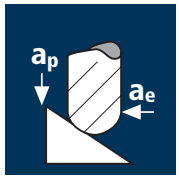
V

Applicazione



Materiale	d1 [mm]	z	fz [mm]	ap [mm]	ae [mm]	n=10000 min⁻¹ vf [mm/min]	n=15000 min⁻¹ vf [mm/min]	n=20000 min⁻¹ vf [mm/min]	n=30000 min⁻¹ vf [mm/min]
CFC	2	2	0.020	1.1	0.90	400	600	800	1200
	3	2	0.030	1.7	1.35	600	900	1200	1800
	4	2	0.040	2.2	1.80	800	1200	1600	2400
	6	2	0.065	3.3	2.70	1300	1950	2600	3900
	8	2	0.085	4.4	3.60	1700	2550	3400	5100
	10	2	0.105	5.5	4.50	2100	3150	4200	6300
	12	2	0.120	6.6	5.40	2400	3600	4800	
PRFV	2	2	0.015	1.1	0.90	300	450	600	900
	3	2	0.025	1.7	1.35	500	750	1000	1500
	4	2	0.035	2.2	1.80	700	1050	1400	2100
	6	2	0.055	3.3	2.70	1100	1650	2200	3300
	8	2	0.070	4.4	3.60	1400	2100	2800	4200
	10	2	0.090	5.5	4.50	1800	2700	3600	5400
	12	2	0.100	6.6	5.40	2000	3000	4000	
Alluminio Si > 6%	2	2	0.015	1.1	0.90	300	450	600	900
	3	2	0.025	1.7	1.35	500	750	1000	1500
	4	2	0.030	2.2	1.80	600	900	1200	1800
	6	2	0.050	3.3	2.70	1000	1500	2000	3000
	8	2	0.065	4.4	3.60	1300	1950	2600	3900
	10	2	0.080	5.5	4.50	1600	2400	3200	4800
	12	2	0.090	6.6	5.40	1800	2700	3600	
Grafite	2	2	0.015	1.1	0.90	300	450	600	900
	3	2	0.025	1.7	1.35	500	750	1000	1500
	4	2	0.035	2.2	1.80	700	1050	1400	2100
	6	2	0.055	3.3	2.70	1100	1650	2200	3300
	8	2	0.070	4.4	3.60	1400	2100	2800	4200
	10	2	0.090	5.5	4.50	1800	2700	3600	5400
	12	2	0.100	6.6	5.40	2000	3000	4000	

Applicazione



Materiale	d1 [mm]	z	fz [mm]	ap [mm]	ae [mm]	n=10000 min⁻¹ vf [mm/min]	n=15000 min⁻¹ vf [mm/min]	n=20000 min⁻¹ vf [mm/min]	n=30000 min⁻¹ vf [mm/min]
CFC	2	2	0.020	0.20	0.20	400	600	800	1200
	3	2	0.030	0.30	0.30	600	900	1200	1800
	4	2	0.040	0.40	0.40	800	1200	1600	2400
	6	2	0.065	0.60	0.60	1300	1950	2600	3900
	8	2	0.085	0.80	0.80	1700	2550	3400	5100
	10	2	0.105	1.00	1.00	2100	3150	4200	6300
	12	2	0.120	1.20	1.20	2400	3600	4800	
PRFV	2	2	0.015	0.20	0.20	300	450	600	900
	3	2	0.025	0.30	0.30	500	750	1000	1500
	4	2	0.035	0.40	0.40	700	1050	1400	2100
	6	2	0.055	0.60	0.60	1100	1650	2200	3300
	8	2	0.070	0.80	0.80	1400	2100	2800	4200
	10	2	0.090	1.00	1.00	1800	2700	3600	5400
	12	2	0.100	1.20	1.20	2000	3000	4000	
Alluminio Si > 6%	2	2	0.015	0.20	0.20	300	450	600	900
	3	2	0.025	0.30	0.30	500	750	1000	1500
	4	2	0.030	0.40	0.40	600	900	1200	1800
	6	2	0.050	0.60	0.60	1000	1500	2000	3000
	8	2	0.065	0.80	0.80	1300	1950	2600	3900
	10	2	0.080	1.00	1.00	1600	2400	3200	4800
	12	2	0.090	1.20	1.20	1800	2700	3600	
Grafite	2	2	0.015	0.20	0.20	300	450	600	900
	3	2	0.025	0.30	0.30	500	750	1000	1500
	4	2	0.035	0.40	0.40	700	1050	1400	2100
	6	2	0.055	0.60	0.60	1100	1650	2200	3300
	8	2	0.070	0.80	0.80	1400	2100	2800	4200
	10	2	0.090	1.00	1.00	1800	2700	3600	5400
	12	2	0.100	1.20	1.20	2000	3000	4000	

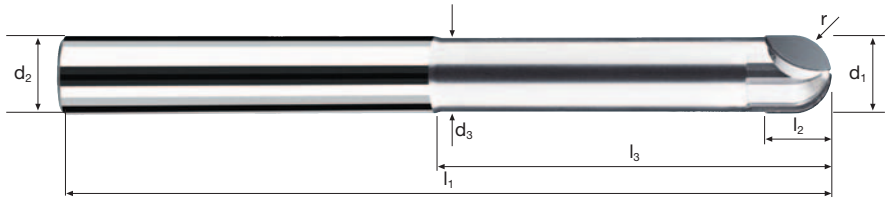
Frese con estremità emisferica CVD

Esecuzione lunga, tagliente diritto

HSS | Favora® | Base-X | X-Generation X

CVD

λ 0°
γ 0°



Resistenza all'usura

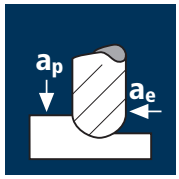
Al Aluminium Cast | **Cu** Copper | **CuZn** Brass | **C** Graphite | **CFK GFK I** | **CFK GFK II** | **CFK III** | **CFK/Al**

V

Esempio: **N° Ordine** — Rivestimento: **25704** — Codice-ø: **.140**

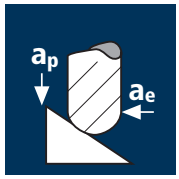
ø Code	d_1 h7	d_2 h6	d_3	l_1	l_2	l_3	r ±0.005	α	z	**25704**
.140	2	6	1.9	55	2.5	10	1.0	6.8°	2	●
.180	3	6	2.8	75	2.5	20	1.5	3.5°	2	●
.220	4	6	3.8	75	2.5	30	2.0	1.8°	2	●
.300	6	6	5.6	100	6.0	40	3.0	0.0°	2	●
.391	8	8	7.6	100	7.0	40	4.0	0.0°	2	●
.450	10	10	9.6	100	8.0	50	5.0	0.0°	2	●
.501	12	12	11.6	107	9.0	60	6.0	0.0°	2	●

Applicazione



Materiale	d1 [mm]	z	fz [mm]	ap [mm]	ae [mm]	n=10000 min⁻¹ vf [mm/min]	n=15000 min⁻¹ vf [mm/min]	n=20000 min⁻¹ vf [mm/min]	n=30000 min⁻¹ vf [mm/min]
CFC	2	2	0.025	1.2	0.90	500	750	1000	1500
	3	2	0.035	1.8	1.35	700	1050	1400	2100
	4	2	0.045	2.4	1.80	900	1350	1800	2700
	6	2	0.070	3.6	2.70	1400	2100	2800	4200
	8	2	0.095	4.8	3.60	1900	2850	3800	5700
	10	2	0.120	6.0	4.50	2400	3600	4800	7200
	12	2	0.135	7.2	5.40	2700	4050	5400	
PRFV	2	2	0.020	1.2	0.90	400	600	800	1200
	3	2	0.030	1.8	1.35	600	900	1200	1800
	4	2	0.040	2.4	1.80	800	1200	1600	2400
	6	2	0.060	3.6	2.70	1200	1800	2400	3600
	8	2	0.080	4.8	3.60	1600	2400	3200	4800
	10	2	0.100	6.0	4.50	2000	3000	4000	6000
	12	2	0.115	7.2	5.40	2300	3450	4600	
Alluminio Si > 6%	2	2	0.020	1.2	0.90	400	600	800	1200
	3	2	0.025	1.8	1.35	500	750	1000	1500
	4	2	0.035	2.4	1.80	700	1050	1400	2100
	6	2	0.055	3.6	2.70	1100	1650	2200	3300
	8	2	0.070	4.8	3.60	1400	2100	2800	4200
	10	2	0.090	6.0	4.50	1800	2700	3600	5400
	12	2	0.105	7.2	5.40	2100	3150	4200	
Grafite	2	2	0.020	1.2	0.90	400	600	800	1200
	3	2	0.030	1.8	1.35	600	900	1200	1800
	4	2	0.040	2.4	1.80	800	1200	1600	2400
	6	2	0.060	3.6	2.70	1200	1800	2400	3600
	8	2	0.080	4.8	3.60	1600	2400	3200	4800
	10	2	0.100	6.0	4.50	2000	3000	4000	6000
	12	2	0.115	7.2	5.40	2300	3450	4600	

Applicazione



Materiale	d1 [mm]	z	fz [mm]	ap [mm]	ae [mm]	n=10000 min⁻¹ vf [mm/min]	n=15000 min⁻¹ vf [mm/min]	n=20000 min⁻¹ vf [mm/min]	n=30000 min⁻¹ vf [mm/min]
CFC	2	2	0.025	0.20	0.20	500	750	1000	1500
	3	2	0.035	0.30	0.30	700	1050	1400	2100
	4	2	0.045	0.40	0.40	900	1350	1800	2700
	6	2	0.070	0.60	0.60	1400	2100	2800	4200
	8	2	0.095	0.80	0.80	1900	2850	3800	5700
	10	2	0.120	1.00	1.00	2400	3600	4800	7200
	12	2	0.135	1.20	1.20	2700	4050	5400	
PRFV	2	2	0.020	0.20	0.20	400	600	800	1200
	3	2	0.030	0.30	0.30	600	900	1200	1800
	4	2	0.040	0.40	0.40	800	1200	1600	2400
	6	2	0.060	0.60	0.60	1200	1800	2400	3600
	8	2	0.080	0.80	0.80	1600	2400	3200	4800
	10	2	0.100	1.00	1.00	2000	3000	4000	6000
	12	2	0.115	1.20	1.20	2300	3450	4600	
Alluminio Si > 6%	2	2	0.020	0.20	0.20	400	600	800	1200
	3	2	0.025	0.30	0.30	500	750	1000	1500
	4	2	0.035	0.40	0.40	700	1050	1400	2100
	6	2	0.055	0.60	0.60	1100	1650	2200	3300
	8	2	0.070	0.80	0.80	1400	2100	2800	4200
	10	2	0.090	1.00	1.00	1800	2700	3600	5400
	12	2	0.105	1.20	1.20	2100	3150	4200	
Grafite	2	2	0.020	0.20	0.20	400	600	800	1200
	3	2	0.030	0.30	0.30	600	900	1200	1800
	4	2	0.040	0.40	0.40	800	1200	1600	2400
	6	2	0.060	0.60	0.60	1200	1800	2400	3600
	8	2	0.080	0.80	0.80	1600	2400	3200	4800
	10	2	0.100	1.00	1.00	2000	3000	4000	6000
	12	2	0.115	1.20	1.20	2300	3450	4600	

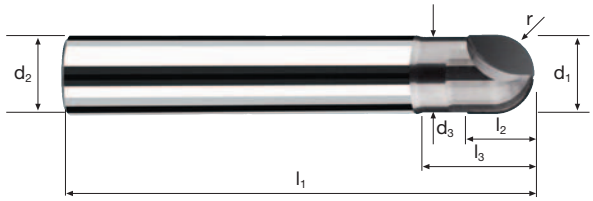
Frese con estremità emisferica CVD

Esecuzione corta, tagliente diritto

HSS | Favora® | Base-X | X-Generation **X**

CVD

λ **0°**
γ **0°**



Resistenza all'usura

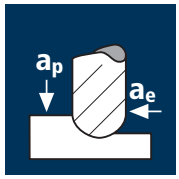
Al Aluminium Cast | **Cu** Copper | **CuZn** Brass | **C** Graphite | **CFK GFK I** | **CFK GFK II** | **CFK III** | **CFK/Al**

Esempio: **N° Ordine** — Rivestimento: **25700** — Codice-ø: **.140**

ø Code	d1 h7	d2 h6	d3	l1	l2	l3	r ±0.005	α	z	25700	
.140	2	6	1.9	50	2.5	4	1.0	10.6°	2	●	
.180	3	6	2.8	50	2.5	4	1.5	9.9°	2	●	
.220	4	6	3.8	50	2.5	6	2.0	6.9°	2	●	
.300	6	6	5.6	50	6.0	9	3.0	0.0°	2	●	
.391	8	8	7.6	60	7.0	12	4.0	0.0°	2	●	
.450	10	10	9.6	60	8.0	14	5.0	0.0°	2	●	
.501	12	12	11.6	65	9.0	14	6.0	0.0°	2	●	

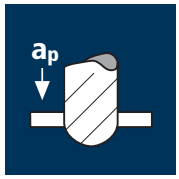
V

Applicazione



Materiale	d1 [mm]	v_c [m/min]	f [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	160	0.100	8.0	1.6	12735	1275
	5	160	0.140	10.0	2.0	10185	1425
	6	160	0.190	12.0	2.4	8490	1615
	8	160	0.285	16.0	3.2	6365	1815
	10	160	0.385	20.0	4.0	5095	1960
PRFV	4	100	0.100	8.0	1.6	7960	795
	5	100	0.140	10.0	2.0	6365	890
	6	100	0.190	12.0	2.4	5305	1010
	8	100	0.285	16.0	3.2	3980	1135
	10	100	0.385	20.0	4.0	3185	1225

Applicazione



Materiale	d1 [mm]	v_c [m/min]	f [mm]	a_p [mm]	a_e [mm]	n [min⁻¹]	v_f [mm/min]
CFC	4	100	0.070	4.0	4	7960	555
	5	100	0.100	5.0	5	6365	635
	6	100	0.135	6.0	6	5305	715
	8	100	0.200	8.0	8	3980	795
	10	100	0.270	10.0	10	3185	860
PRFV	4	60	0.070	4.0	4	4775	335
	5	60	0.100	5.0	5	3820	380
	6	60	0.135	6.0	6	3185	430
	8	60	0.200	8.0	8	2385	475
	10	60	0.270	10.0	10	1910	515

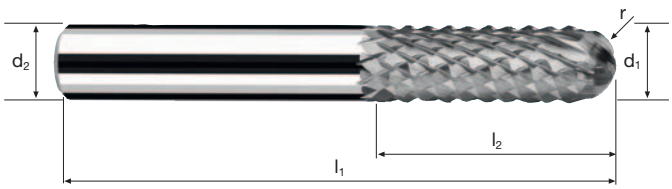
Attenersi alle avvertenze tecniche per l'applicazione a pag. 921!

Frese con estremità emisferica

Esecuzione normale, dentellatura media, tagliente a trazione

HSS | Favora® | Base-X | **B** | X-Generation

HM
MG10



Resistenza all'usura

CFK
GFK
I

Esempio: **N° Ordine** — Rivestimento | Articolo | Codice-ø: **20760** **.220**

ø Code	d1 h10	d2 h6	l1	l2	r	20760	
.220	4	4	50	19	2.0	●	
.260	5	5	50	19	2.5	●	
.300	6	6	60	22	3.0	●	
.391	8	8	63	29	4.0	●	
.450	10	10	72	30	5.0	●	

V