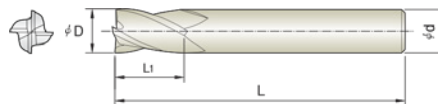


Fresa cilindrica 4 taglienti con elica variabile

- Fresa per acciai Inox, bonificati e temprati a 62 Hrc
- Migliore resistenza all'usura grazie al rivestimento PVD a base Si
- Elevata tolleranza del filo tagliente
- Ottima finitura superficiale grazie alla geometria ad elica variabile
- Prestazioni eccellenti in alta velocità garantita dal metallo duro ultra micrograna (0,2µm)



Size	D Tolerance
D < Φ6	+0~-0.01
Φ6~Φ12	-0.01~-0.025
Φ12~Φ16	-0.015~-0.03

单位/Unit: mm

Articolo	Diametro	Lunghezza tagliente	Lunghezza totale	Gambo
	D	L1	L	d
4WCE 010 030 S04	1.0	3	45	4
4WCE 015 040 S04	1.5	4	45	4
4WCE 020 060 S06	2.0	6	45	6
4WCE 025 080 S06	2.5	8	50	6
4WCE 030 100 S06	3.0	10	50	6
4WCE 035 100 S06	3.5	10	50	6
4WCE 040 100 S05	4.0	10	55	4
4WCE 040 120 S06	4.0	12	55	6
4WCE 045 150 S06	4.5	15	55	6
4WCE 050 150 S06	5.0	15	55	6
4WCE 060 150 S05	6.0	15	55	6
4WCE 080 200 S05	8.0	20	65	8
4WCE 100 250 S07	10.0	25	70	10
4WCE 120 300 S08	12	30	80	12
4WCE 140 450 S16	14	45	100	16
4WCE 160 450 S16	16	45	100	16

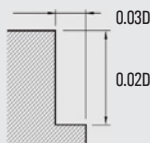
4WCE

• RPM : rev./min • Feed : mm/min

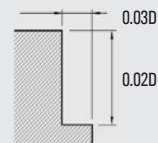
Material	Alloy Steels/Heat Resistant Steels		Hardened Steels	
			NAK/SKD	
	30Hrc ~ 40Hrc		40Hrc ~ 50Hrc	
Hardness				
Diameter	RPM	FEED	RPM	FEED
1mm	48000	1480	38000	1050
2mm	33300	1750	26000	1250
3mm	21800	1750	17300	1250
4mm	16700	1800	13200	1300
5mm	15700	2000	12500	1500
6mm	13100	1950	10350	1400
7mm	11000	1900	9000	1380

Material	Alloy Steels/Heat Resistant Steels		Hardened Steels	
			NAK/SKD	
	30Hrc ~ 40Hrc		40Hrc ~ 50Hrc	
Hardness				
Diameter	RPM	FEED	RPM	FEED
8mm	9880	1880	7800	1350
9mm	7800	1750	6150	1260
10mm	6650	1750	5250	1260
11mm	5600	1680	4300	1150
12mm	5600	1680	4300	1150
14mm	4650	1600	3500	1050
16mm	4650	1600	3500	1050

Depth of Cut

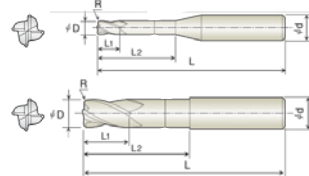


Depth of Cut



Fresa torica 4 taglienti con elica variabile

- Fresa per acciai Inox, bonificati e temprati a 62 Hrc
- Migliore resistenza all'usura grazie al rivestimento PVD a base Si
- Elevata tolleranza del filo tagliente
- Ottima finitura superficiale grazie alla geometria ad elica variabile
- Prestazioni eccellenti in alta velocità garantita dal metallo duro ultra micrograna (0,2µm)



Size	D Tolerance
D ≤ Φ5	+0~-0.01
Φ6~Φ12	-0.005~-0.015

单位/Unit : mm

Articolo	Diametro	Lunghezza tagliente		Lunghezza utile	Lunghezza totale	Gambo
	D X R	L1	L2	L	d	
4WCR 020 002 S06	2XR0.2	4.0	6	50	6	
4WCR 020 003 S06	2XR0.3	4.0	6	50	6	
4WCR 020 005 S06	2XR0.5	4.0	6	50	6	
4WCR 030 002 S06	3XR0.2	8.0	12	50	6	
4WCR 030 003 S06	3XR0.3	8.0	12	50	6	
4WCR 030 005 S06	3XR0.5	8.0	12	50	6	
4WCR 040 002 S06	4XR0.2	10.0	15	50	6	
4WCR 040 003 S06	4XR0.3	10.0	15	50	6	
4WCR 040 005 S06	4XR0.5	10.0	15	50	6	
4WCR 040 010 S06	4XR1.0	10.0	15	50	6	
4WCR 050 005 S06	5XR0.5	13.0	15	60	6	
4WCR 050 010 S06	5XR1.0	13.0	15	60	6	
4WCR 060 002 060	6XR0.2	13.0	18	60	6	
4WCR 060 003 060	6XR0.3	13.0	18	60	6	
4WCR 060 005 060	6XR0.5	13.0	18	60	6	
4WCR 060 010 060	6XR1.0	13.0	18	60	6	
4WCR 060 015 060	6XR1.5	13.0	18	60	6	
4WCR 060 020 060	6XR2.0	13.0	18	60	6	
4WCR 080 002 065	8XR0.2	19.0	24	65	8	
4WCR 080 003 065	8XR0.3	19.0	24	65	8	
4WCR 080 005 065	8XR0.5	19.0	24	65	8	
4WCR 080 010 065	8XR1.0	19.0	24	65	8	
4WCR 080 015 065	8XR1.5	19.0	24	65	8	
4WCR 080 020 065	8XR2.0	19.0	24	65	8	
4WCR 100 002 070	10XR0.2	22.0	30	70	10	
4WCR 100 003 070	10XR0.3	22.0	30	70	10	
4WCR 100 005 070	10XR0.5	22.0	30	70	10	
4WCR 100 010 070	10XR1.0	22.0	30	70	10	
4WCR 100 015 070	10XR1.5	22.0	30	70	10	
4WCR 100 020 070	10XR2.0	22.0	30	70	10	
4WCR 100 030 070	10XR3.0	22.0	30	70	10	
4WCR 120 002 080	12XR0.2	26.0	36	80	12	
4WCR 120 003 080	12XR0.3	26.0	36	80	12	
4WCR 120 005 080	12XR0.5	26.0	36	80	12	
4WCR 120 010 080	12XR1.0	26.0	36	80	12	
4WCR 120 015 080	12XR1.5	26.0	36	80	12	
4WCR 120 020 080	12XR2.0	26.0	36	80	12	
4WCR 120 030 080	12XR3.0	26.0	36	80	12	

Slotting										
Material	Alloy Steels/Heat Resistant Steels		Hardened Steels/ Prehardened steels				Hardened Steels			
			NAK/SKD		STAVX/SKD/SKT		SKD11/SDK61		SKD/SKD11	
Hardness			HRc 40 ~ HRc 50		HRc 50 ~ HRc 55		HRc 55 ~ HRc 60		HRc 60 ~ HRc 65	
Diameter	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
2mm	40000	820	31200	660	21000	410	17400	250	13200	160
3mm	26200	820	20800	660	13800	410	11400	250	9000	160
4mm	20100	850	15900	680	10600	430	8700	260	6800	170
5mm	18900	960	15000	780	10000	480	7700	280	6200	180
6mm	15800	920	12500	780	8300	470	6400	270	5100	180
8mm	11900	900	9400	700	6300	430	4800	250	3900	160
10mm	9400	820	7400	660	5000	400	3900	240	3100	150
12mm	8000	820	6300	660	4200	400	3200	240	2600	150

Depth of Cut				
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Side Cutting										
Material	Alloy Steels/Heat Resistant Steels		Hardened Steels/ Prehardened steels				Hardened Steels			
			NAK/SKD		STAVX/SKD/SKT		SKD11/SDK61		SKD/SKD11	
Hardness			HRc 40 ~ HRc 50		HRc 50 ~ HRc 55		HRc 55 ~ HRc 60		HRc 60 ~ HRc 65	
Diameter	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
2mm	40000	1150	31200	930	21000	580	17400	360	13200	220
3mm	26200	1150	20800	930	13800	580	11400	360	9000	220
4mm	20000	1200	15800	960	10600	600	8600	370	6700	230
5mm	18800	1390	15000	1180	10000	680	7700	390	6100	250
6mm	15700	1300	12400	1060	8300	660	6400	380	5000	240
8mm	11900	1270	9400	990	6200	610	4800	350	3800	230
10mm	9400	1150	7400	930	4900	570	3800	330	3100	210
12mm	8000	1150	6300	930	4200	570	3200	330	2500	210

Depth of Cut		
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