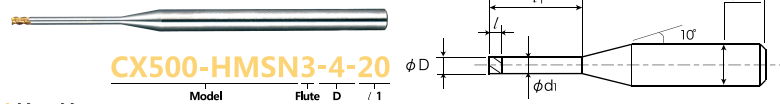


CX500 3枚刃ロングネックスクエアエンドミル

CX500 3-Flute Long Neck Square End Mill

CX500-HMSN



特性 Features

- CX500-Coating have high oxidation resistance and hardening which exceeds existing coating and provides long tool life and suitable for high speed processing and dry milling
- Best for rib groove processing of plastic mold (Please select long neck length according to the work piece)
- Long neck prevents tool interference when applying for deep rib processing
- Enable high-efficiency surface finishing of work-piece

MG
超微粒

45°
Corner Protect

CX500
Coat

外径公差 Tolerance

0

-0.02

炭素鋼 Carbon Steel	合金鋼 Alloy Steel	調質鋼 Prehardened Steel	焼き入れ鋼 Hardened Steel				鋳鉄 Cast Iron	ステンレス鋼 Stainless Steels	アルミ合金 Aluminum Alloys	銅合金 Copper Alloys	チタン合金 耐熱合金 Ti/NI Alloy	グラファイト Graphite	樹脂 Resin
◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎	

◎=Best ○=Good

MODEL 型番	D 外径	/ 刃長	/ 1	d 1	L 全長	d 柄径	Actual effective length in incline angles				
							30°	1	2	3	
CX500-HMSN3-1-4	1	1.5	1.5	0.95	50	4	4	4.19	4.4	4.88	5.49
CX500-HMSN3-1-6							6	6.28	6.59	7.32	8.24
CX500-HMSN3-1-8							8	8.38	8.79	9.76	10.98
CX500-HMSN3-1-10							10	10.47	10.99	12.21	13.73
CX500-HMSN3-1-12							12	12.57	13.19	14.65	16.48
CX500-HMSN3-1-14							14	14.66	15.39	17.09	19.22
CX500-HMSN3-1-16							16	16.75	17.58	19.53	21.97
CX500-HMSN3-1-20							20	20.94	21.98	24.41	27.46
CX500-HMSN3-1-25							25	26.18	27.47	30.51	Free
CX500-HMSN3-1-30							30	31.41	32.97	36.61	Free
CX500-HMSN3-1-2-6							6	6.28	6.59	7.32	8.24
CX500-HMSN3-1-2-8							8	8.34	8.79	9.76	10.98
CX500-HMSN3-1-2-10	10	10.47	10.99	12.21	13.73						
CX500-HMSN3-1-2-12	12	12.57	13.19	14.65	16.48						
CX500-HMSN3-1-2-16	16	16.75	17.58	19.53	21.97						
CX500-HMSN3-1-5-6	6	6.28	6.59	7.32	8.24						
CX500-HMSN3-1-5-8	8	8.38	8.79	9.76	10.98						
CX500-HMSN3-1-5-10	10	10.47	10.99	12.21	13.73						
CX500-HMSN3-1-5-12	12	12.57	13.19	14.65	16.48						
CX500-HMSN3-1-5-14	14	14.66	15.39	17.09	19.22						
CX500-HMSN3-1-5-16	16	16.75	17.58	19.53	21.97						
CX500-HMSN3-1-5-18	18	18.85	19.78	21.97	24.71						
CX500-HMSN3-1-5-20	20	20.94	21.98	24.41	Free						
CX500-HMSN3-2-6	6	6.28	6.59	7.32	8.24						
CX500-HMSN3-2-8	8	8.38	8.79	9.76	10.98						
CX500-HMSN3-2-10	10	10.47	10.99	12.21	13.73						
CX500-HMSN3-2-12	12	12.57	13.19	14.65	16.48						
CX500-HMSN3-2-14	14	14.66	15.39	17.09	19.22						
CX500-HMSN3-2-16	16	16.75	17.58	19.53	Free						
CX500-HMSN3-2-18	18	20.94	21.98	24.41	Free						
CX500-HMSN3-2-20	20	26.18	27.47	Free	Free						
CX500-HMSN3-2-25	25	31.41	32.97	Free	Free						
CX500-HMSN3-2-30	30	31.41	32.97	Free	Free						
CX500-HMSN3-2-5-8	8	8.38	8.79	9.76	10.98						
CX500-HMSN3-2-5-12	12	12.57	13.19	14.65	16.48						
CX500-HMSN3-2-5-16	16	16.75	17.58	19.53	Free						
CX500-HMSN3-2-5-20	20	20.94	21.98	24.41	Free						
CX500-HMSN3-2-5-25	25	26.18	27.47	Free	Free						
CX500-HMSN3-2-5-30	30	31.41	32.97	Free	Free						
CX500-HMSN3-3-6	6	6.28	6.59	7.32	8.24						
CX500-HMSN3-3-12	12	12.57	13.19	14.65	16.48						
CX500-HMSN3-3-16	16	16.75	17.58	19.53	Free						
CX500-HMSN3-3-20	20	20.94	21.98	24.41	Free						
CX500-HMSN3-3-25	25	26.18	27.47	Free	Free						
CX500-HMSN3-3-30	30	31.41	32.97	Free	Free						
CX500-HMSN3-3-40	40	41.88	43.96	Free	Free						

CX500-HMSN

MODEL 型番	D 外径	/ 刃長	/ 1	d 1	L 全長	d 柄径	Actual effective length in incline angles			
							30°	1	2	3
CX500-HMSN3-4-12	4	4.5	12	2.9	50	6	12.57	13.19	14.65	16.48
CX500-HMSN3-4-16							16.75	17.58	19.53	Free
CX500-HMSN3-4-20							20.94	21.98	24.41	Free
CX500-HMSN3-4-30							31.41	32.97	Free	Free
CX500-HMSN3-4-40							41.88	43.96	Free	Free
CX500-HMSN3-5-16							16	16.75	17.58	Free
CX500-HMSN3-5-25	25	26.18	27.47	Free	Free					
CX500-HMSN3-5-35	35	36.65	Free	Free	Free					
CX500-HMSN3-5-50	50	52.35	Free	Free	Free					
CX500-HMSN3-6-20	20	Free	Free	Free	Free					
CX500-HMSN3-6-30	30	Free	Free	Free	Free					
CX500-HMSN3-6-40	40	Free	Free	Free	Free					
CX500-HMSN3-6-50	50	Free	Free	Free	Free					
CX500-HMSN3-6-60	60	Free	Free	Free	Free					

推奨切削条件 Standard Milling Condition

- The table show standard milling guidance of perforating process as written picture
- Use a rigid and precise machine and tool holder
- Select a cutting fluid appropriate to the particular usage
- In case the revolution could not be increased by the machine used, Please reduce feed speed and revolution speed at same ration
- When mounting End Mills, The run out of the till will have to be set within 0.01mm

Work Material	Ad		炭素鋼 Carbon Steel (S45C~S55C)		合金鋼 Alloy steel (SK50, SUS SCM)		チタン合金 Titanium Alloy (Ti-6Al-4V)			
	D	/ 1	送り速度 (mm/min) Feed rate	回転数 (rpm) Revolution	送り速度 (mm/min) Feed rate	回転数 (rpm) Revolution	送り速度 (mm/min) Feed rate	回転数 (rpm) Revolution		
1	6	8	0.01 ~ 0.025	470	23900	330	19400	350	15800	
			0.005 ~ 0.014	350	21500	250	17500	175	14200	
			0.005 ~ 0.012	280	19400	750	19000	140	12800	
	1.5	8	0.03 ~ 0.075	700	30	17500	490	14000	350	11500
			0.016 ~ 0.038	700	17500	490	14000	350	11500	
			0.016 ~ 0.038	560	15800	400	12600	280	10400	
2	16	20	0.018 ~ 0.044	470	14200	330	11300	230	9400	
			0.037 ~ 0.038	700	13000	490	10500	350	8900	
			0.018 ~ 0.044	510	11700	400	9500	290	8000	
	3	16	20	0.018 ~ 0.044	500	10500	350	8600	250	7200
				0.018 ~ 0.044	440	9500	310	7700	220	6500
				0.01 ~ 0.025	350	7700	250	6200	180	5300
4	16	20	0.028 ~ 0.067	700	8900	490	7200	350	5900	
			0.028 ~ 0.067	560	8000	390	6500	290	5300	
			0.015 ~ 0.036	450	7200	320	5900	220	4800	
	5	16	20	0.015 ~ 0.036	370	6500	260	5300	190	4300
				0.005 ~ 0.012	280	5900	200	4800	140	3900
				0.045 ~ 0.15	700	6650	490	5400	350	4450
6	20	30	0.045 ~ 0.15	700	6650	490	5400	350	4450	
			0.023 ~ 0.076	470	6000	330	4900	230	4000	
			0.017 ~ 0.046	350	5400	250	4400	180	3600	
	5	25	35	0.076 ~ 0.189	700	5300	490	4300	350	3350
				0.04 ~ 0.096	340	4800	350	3900	250	3200
				0.079 ~ 0.189	700	4450	490	3600	350	2950
6	40	60	0.04 ~ 0.096	530	4000	370	3200	270	2700	