

# CX200 4枚刃側面刃無しラジアスエンドミル

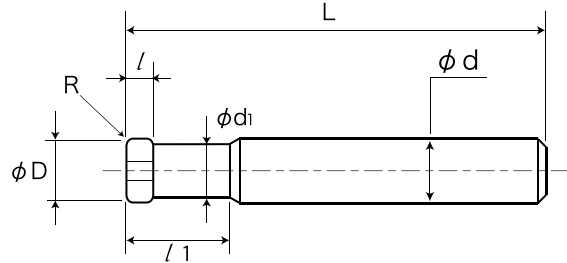
CX200 Series 4-Flute No peripheral cutting edge Radius End Mill for high feed

## CX200-SEM



**CX200-SEM4100**

Model Flute D



ラジアス Radius

### 特性 Features

- CX200-Coating have high oxidation resistance and hardening which exceeds the existing coating and provides long tool life, and suitable for high speed processing and dry milling.
- Negative designed radius flutes and short blade length realize high rigidity and minimize chattering in the pocket corner processing
- Back taper provide fine processing which peripheral blade does not touch with side of work piece
- shorten the processing time from medium finishing to final to final finishing in the bottom processing



外径公差 Tolerance
0
-0.02

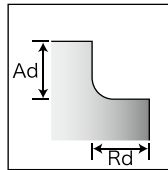


炭素鋼 Carbon Steel	合金鋼 Alloy Steel	調質鋼 Prehardened Steel	焼き入れ鋼 Hardened Steel				鋳鉄 Cast Iron	ステンレス鋼 Stainless Steels	アルミ合金 Aluminium Alloys	銅合金 Copper Alloys	チタン合金 耐熱合金 Ti/Ni Alloy	グラファイト Graphite	樹脂 Resin
			~45HRC	~55HRC	~60HRC	~65HRC							
◎	◎	◎	◎	○		○	◎	○					

◎ = Best ○ = Good

MODEL 型番	D 外径	R	l 刃長	d 1	l 1	L 全長	d 柄径
CX200-SEM4030	3	0.75	1.2	2.7	7.5	60	6
CX200-SEM4040	4	1	1.6	3.6	10	70	6
CX200-SEM4050	5	1.2	2	4.5	12	80	6
CX200-SEM4060	6	1.5	2.5	5.4	12	90	6
CX200-SEM4080	8	2	3.5	7.2	16	100	8
CX200-SEM4100	10	2	4	9	20	100	10
CX200-SEM4120	12	2	5	11	24	110	12

### 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

被削材 Work Material	炭素鋼 carbon steel (40~55HRC)				合金鋼 工具鋼 Alloy steel Tool steel (SKD.SUS.SCM)				調質鋼 (35~40HRC) (HPM.NAK)				高硬度鋼 hardened steel (40~60HRC)			
	送り速度 (mm/min) Feed rate		回転数 (mm <sup>-1</sup> ) Revolution		送り速度 (mm/min) Feed rate		回転数 (mm <sup>-1</sup> ) Revolution		送り速度 (mm/min) Feed rate		回転数 (mm <sup>-1</sup> ) Revolution		送り速度 (mm/min) Feed rate		回転数 (mm <sup>-1</sup> ) Revolution	
	Standard	High Speed	Standard	High Speed	Standard	High Speed	Standard	High Speed	Standard	High Speed	Standard	High Speed	Standard	High Speed	Standard	High Speed
外径 (mm) Diameter																
4	6600	13000	7950	16000	6000	12000	7950	16000	4800	12000	6350	16000	1050	3350	2400	7950
5	7000	14000	6350	12500	6350	12500	6350	12500	5100	12500	5100	12500	1150	3800	1900	6350
6	7000	14000	5300	10600	6350	12700	5300	10600	5100	12700	4250	10600	1150	3800	1600	5300
8	7000	14000	4000	7950	6350	12700	4000	7950	5100	12700	3200	7950	1150	3800	1200	4000
10	7000	14000	3200	6350	6350	12700	3200	6350	5100	12700	2550	6350	1150	3800	955	3200
12	7000	14000	2650	5300	6350	12700	2650	5300	5100	12700	2100	5300	1150	3800	795	2650
Ad	≤0.04D				≤0.025D				≤0.02D				≤0.01D			
Rd	≤0.4D															

スクエア Square

ラジアス Radius

ボール Ball

ロングネック Long Neck

ラフニング Roughing

面取り加工用 Chamfering

ドリル Drill