

Reamers

Endmills

Drills

Countersinks/
Counterbores

Metal
Slitting Saws

Cutters

Straight

Helical

POWERFUL
REAMER

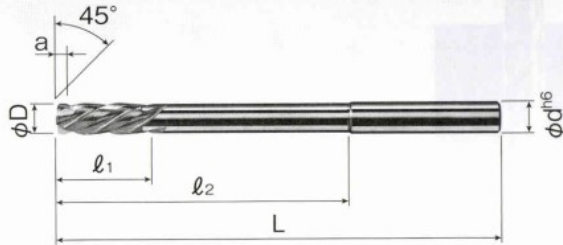
End Cutting

Hard

CPR CPRM CPRF CPRFM

超硬パワフルリーマ
Solid Carbide Powerful Reamers

- 0.1mmとび、0.01mmとび
0.1 steps and 0.01 steps
- コーティング品も標準化
The coating items is standardized.
- 粗刃、仕上刃2段仕上げ
Rough blade and finish blade two steps.



製品略号 Product code	ネジレ角 Helix Angle	刃径公差 Dia. Tolerance	表面処理 Surface Treatment	切削条件 Cutting Conditions
CPR	35° L	m5		P188
CPRM		+0.005 0		
CPRF		m5	OK-F TOUGH	P187
CPRFM		+0.005 0		

下穴の状態 Prepared Hole			
貫通穴 Through	深穴 Deep	止まり穴 Stop	楕円 Ellipse
○	○	×	○

(0.1mm 0.01mm とび 0.1steps and 0.01steps)

寸法 Size							ノンコート Non-Coat		OKタフコート OK-TOUGH Coat	
刃径 D	刃長 ℓ ₁	首下長 ℓ ₂	全長 L	柄径 d	刃先長 a	刃数 NT	品番 Product No.	標準価格 Standard price ¥	品番 Product No.	標準価格 Standard price ¥
2.95~2.99	20	35	60	3	4	3	CPRM0295~0299	7,300	CPRFM0295~0299	9,500
3.0	20	35	60	3	4	3	CPR-030	6,600	CPRF030	8,600
3.00~3.05	20	35	60	3	4	3	CPRM0300~0305	7,300	CPRFM0300~0305	9,500
3.1~3.9	20	35	60	4	5	3	CPR-031~039	8,100	—	—
3.95~3.99	20	35	60	4	5	3	CPRM0395~0399	8,100	CPRFM0395~0399	10,600
4.0	20	35	60	4	5	3	CPR-040	7,300	CPRF040	9,500
4.00~4.05	20	35	60	4	5	3	CPRM0400~0405	8,100	CPRFM0400~0405	10,600
4.1~4.9	26	45	75	5	5	3	CPR-041~049	9,300	—	—
4.95~4.99	26	45	75	5	5	3	CPRM0495~0499	9,300	CPRFM0495~0499	12,100
5.0	26	45	75	5	5	3	CPR-050	8,400	CPRF050	11,000
5.00~5.05	26	45	75	5	5	3	CPRM0500~0505	9,300	CPRFM0500~0505	12,100
5.1~5.9	26	65	100	6	5.5	4	CPR-051~059	9,300	—	—
5.95~5.99	26	65	100	6	5.5	4	CPRM0595~0599	9,300	CPRFM0595~0599	12,100
6.0	26	65	100	6	5.5	4	CPR-060	8,400	CPRF060	11,000
6.00~6.05	26	65	100	6	5.5	4	CPRM0600~0605	9,300	CPRFM0600~0605	12,100
6.1~6.9	26	70	110	8	6	4	CPR-061~069	9,700	—	—
6.95~6.99	26	70	110	8	6	4	CPRM0695~0699	9,700	CPRFM0695~0699	12,700
7.0	26	70	110	8	6	4	CPR-070	8,800	CPRF070	11,500
7.00~7.05	26	70	110	8	6	4	CPRM0700~0705	9,700	CPRFM0700~0705	12,700
7.1~7.9	26	85	125	8	6.5	4	CPR-071~079	10,700	—	—
7.95~7.99	26	85	125	8	6.5	4	CPRM0795~0799	10,700	CPRFM0795~0799	14,000
8.0	26	85	125	8	6.5	4	CPR-080	9,700	CPRF080	12,700
8.00~8.05	26	85	125	8	6.5	4	CPRM0800~0805	10,700	CPRFM0800~0805	14,000
8.1~8.9	26	90	135	10	7	4	CPR-081~089	15,800	—	—
8.95~8.99	26	90	135	10	7	4	CPRM0895~0899	15,800	CPRFM0895~0899	20,600
9.0	26	90	135	10	7	4	CPR-090	14,300	CPRF090	18,600
9.00~9.05	26	90	135	10	7	4	CPRM0900~0905	15,800	CPRFM0900~0905	20,600
9.1~9.9	31	100	150	10	7.5	4	CPR-091~099	18,000	—	—
9.95~9.99	31	100	150	10	7.5	4	CPRM0995~0999	18,000	CPRFM0995~0999	23,400
10.0	31	100	150	10	7.5	4	CPR-100	16,300	CPRF100	21,200
10.00~10.05	31	100	150	10	7.5	4	CPRM1000~1005	18,000	CPRFM1000~1005	23,400
10.1~10.9	31	105	160	12	8	4	CPR-101~109	22,900	—	—
10.95~10.99	31	105	160	12	8	4	CPRM1095~1099	22,900	CPRFM1095~1099	29,800
11.0	31	105	160	12	8	4	CPR-110	20,800	CPRF110	27,100
11.00~11.05	31	105	160	12	8	4	CPRM1100~1105	22,900	CPRFM1100~1105	29,800
11.1~11.9	31	105	160	12	8	4	CPR-111~119	24,200	—	—
11.95~11.99	31	105	160	12	8	4	CPRM1195~1199	24,200	CPRFM1195~1199	31,500
12.0	31	105	160	12	8	4	CPR-120	22,000	CPRF120	28,600
12.00~12.05	31	105	160	12	8	4	CPRM1200~1205	24,200	CPRFM1200~1205	31,500