

Reamers

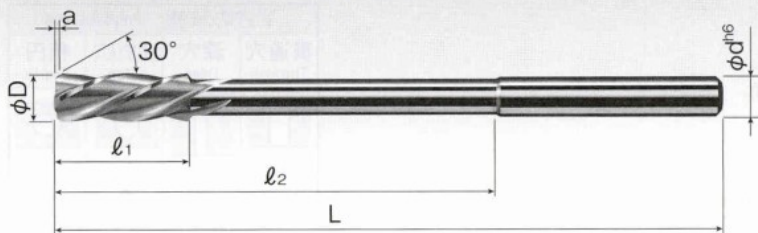
**CHR**

超硬ヘリカルリーマ  
Carbide Helical Reamers

**CHRM**

超硬ヘリカルリーマ(百分台)  
Carbide Helical Reamers (0.01 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
<b>CHR</b>		m5		
<b>CHRM</b>		+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
○	○	×	×

- ソリッドタイプ  
Solid type
- 刃径より細い首径により深穴加工が可能  
Because neck diameter is smaller than diameter, then suitable for deep hole processing.
- 左ネジレ形状により切欠のある穴(キー溝など)加工に抜群の安定性!  
According to Left helix, processing the processing of the hole with notch(ex.with key way) is preminent

Endmills

Drills

Countersinks/  
Counterbores

Metal  
Slitting Saws

Cutters

品番 Product No.	寸法 Size							標準価格 Standard price ¥
	刃径 D	刃長 l <sub>1</sub>	首下長 l <sub>2</sub>	全長 L	柄径 d	喉付長さ a	刃数 NT	
CHRM0295~0299	2.95~2.99	26	50	80	3	0.5	4	3,500
CHR-030	3.0	26	50	80	3	0.5	4	3,300
CHRM0300~0305	3.00~3.05	26	50	80	3	0.5	4	3,500
CHR-031~039	3.1~3.9	26	50	80	3	0.5	4	4,000
CHRM395~0399	3.95~3.99	26	50	80	3	0.5	4	4,000
CHR-040	4.0	26	50	80	3	0.5	4	3,600
CHRM0400~0405	4.00~4.05	26	50	80	3	0.5	4	4,000
CHR-041~049	4.1~4.9	26	50	80	4	0.5	4	4,700
CHRM0495~0499	4.95~4.99	26	50	80	4	0.5	4	4,700
CHR-050	5.0	26	50	80	4	0.5	4	4,200
CHRM0500~0505	5.00~5.05	26	50	80	4	0.5	4	4,700
CHR-051~059	5.1~5.9	26	65	100	5	0.5	4	5,600
CHRM0595~0599	5.95~5.99	26	65	100	6	0.8	4	5,600
CHR-060	6.0	26	65	100	6	0.8	4	5,100
CHRM0600~0605	6.00~6.05	26	65	100	6	0.8	4	5,600
CHR-061~069	6.1~6.9	26	70	110	6	0.8	4	7,500
CHRM0695~0699	6.95~6.99	26	70	110	6	1.0	4	7,500
CHR-070	7.0	26	70	110	6	1.0	4	6,900
CHRM0700~0705	7.00~7.05	26	70	110	6	1.0	4	7,500
CHR-071~079	7.1~7.9	26	85	125	6	1.0	4	8,900
CHRM0795~0799	7.95~7.99	26	85	125	6	1.0	4	8,900
CHR-080	8.0	26	85	125	6	1.0	4	8,100
CHRM0800~0805	8.00~8.05	26	85	125	6	1.0	4	8,900
CHR-081~089	8.1~8.9	26	90	135	8	1.0	4	14,300
CHRM0895~0899	8.95~8.99	26	90	135	8	1.0	4	14,300
CHR-090	9.0	26	90	135	8	1.0	4	13,000
CHRM0900~0905	9.00~9.05	26	90	135	8	1.0	4	14,300
CHR-091~099	9.1~9.9	31	100	150	8	1.0	4	16,200
CHRM0995~0999	9.95~9.99	31	100	150	8	1.0	4	16,200
CHR-100	10.0	31	100	150	8	1.0	4	14,800
CHRM1000~1005	10.00~10.05	31	100	150	8	1.0	4	16,200
CHR-101~109	10.1~10.9	31	105	160	10	1.0	4	21,500
CHRM1095~1099	10.95~10.99	31	105	160	10	1.0	4	21,500
CHR-110	11.0	31	105	160	10	1.0	4	20,400
CHRM1100~1105	11.00~11.05	31	105	160	10	1.0	4	21,500
CHR-111~119	11.1~11.9	31	105	160	10	1.0	4	21,900
CHRM1195~1199	11.95~11.99	31	105	160	10	1.3	4	21,900
CHR-120	12.0	31	105	160	10	1.3	4	20,900
CHRM1200~1205	12.00~12.05	31	105	160	10	1.3	4	21,900

Straight

Helical

POWERFUL  
REAMER

End Cutting

Hard