

Reamers

Endmills

Drills

Countersinks/
Counterbores

Metal
Slitting Saws

Cutters

Straight

Helical

POWERFUL
REAMER

End Cutting

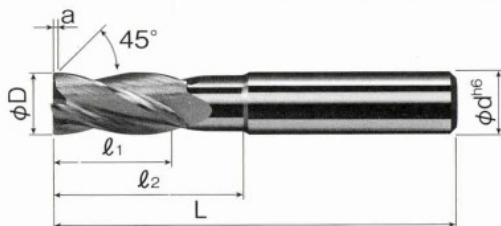
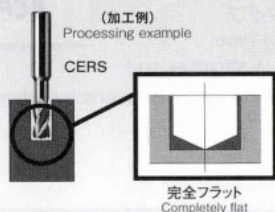
Hard

CERS CERSM CERSF CERSFM

超硬エンド刃付ショートリーマ

Solid Carbide End Cutting Short 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.
- 完全止まり穴用
For blind holes



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
CERS		m5		
CERSM		+0.005 0		
CERSF		m5		
CERSFM		+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	喰付長 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	6	15	45	4	0.2	4	CERSM0295~0299	4,300	CERSFM0295~0299	5,200
3.0	6	15	45	4	0.2	4	CERS-030	3,900	CERSF030	4,700
3.00~3.05	6	15	45	4	0.2	4	CERSM0300~0305	4,300	CERSFM0300~0305	5,200
3.1~3.9	6	15	45	4	0.2	4	CERS-031~039	4,700	—	—
3.95~3.99	8	15	45	6	0.2	4	CERSM0395~0399	4,400	CERSFM0395~0399	5,300
4.0	8	15	45	6	0.2	4	CERS-040	4,000	CERSF040	4,800
4.00~4.05	8	15	45	6	0.2	4	CERSM0400~0405	4,400	CERSFM0400~0405	5,300
4.1~4.9	8	15	45	6	0.2	4	CERS-041~049	4,900	—	—
4.95~4.99	10	20	50	6	0.25	4	CERSM0495~0499	4,600	CERSFM0495~0499	5,600
5.0	10	20	50	6	0.25	4	CERS-050	4,100	CERSF050	5,000
5.00~5.05	10	20	50	6	0.25	4	CERSM0500~0505	4,600	CERSFM0500~0505	5,600
5.1~5.9	10	20	50	6	0.25	4	CERS-051~059	5,000	—	—
5.95~5.99	12	25	60	8	0.25	4	CERSM0595~0599	5,400	CERSFM0595~0599	6,500
6.0	12	25	60	8	0.25	4	CERS-060	4,900	CERSF060	5,900
6.00~6.05	12	25	60	8	0.25	4	CERSM0600~0605	5,400	CERSFM0600~0605	6,500
6.1~6.9	12	25	60	8	0.25	4	CERS-061~069	5,900	—	—
6.95~6.99	12	25	60	8	0.25	4	CERSM0695~0699	6,100	CERSFM0695~0699	7,400
7.0	12	25	60	8	0.25	4	CERS-070	5,500	CERSF070	6,600
7.00~7.05	12	25	60	8	0.25	4	CERSM0700~0705	6,100	CERSFM0700~0705	7,400
7.1~7.9	12	25	60	8	0.25	4	CERS-071~079	6,600	—	—
7.95~7.99	16	30	70	10	0.25	4	CERSM0795~0799	8,500	CERSFM0795~0799	10,200
8.0	16	30	70	10	0.25	4	CERS-080	7,700	CERSF080	9,300
8.00~8.05	16	30	70	10	0.25	4	CERSM0800~0805	8,500	CERSFM0800~0805	10,200
8.1~8.9	16	30	70	10	0.25	4	CERS-081~089	9,300	—	—
8.95~8.99	16	30	70	10	0.3	4	CERSM0895~0899	9,400	CERSFM0895~0899	11,300
9.0	16	30	70	10	0.3	4	CERS-090	8,500	CERSF090	10,200
9.00~9.05	16	30	70	10	0.3	4	CERSM0900~0905	9,400	CERSFM0900~0905	11,300
9.1~9.9	16	30	70	10	0.3	4	CERS-091~099	10,300	—	—
9.95~9.99	20	35	75	12	0.3	4	CERSM0995~0999	11,700	CERSFM0995~0999	14,100
10.0	20	35	75	12	0.3	4	CERS-100	10,600	CERSF100	12,800