Size φ3～φ12

CRN-ES4000

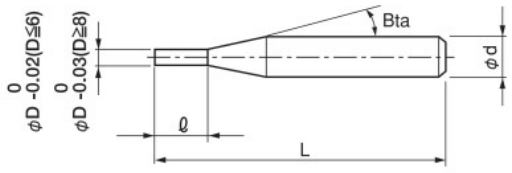
Super MG | CrN COAT | 25° | Sharp Corner | Shank Dia 0/-0.005

Material Applications（★ Highly Recommended ● Recommended ○ Suggested）

Work Material															
Carbon Steels S45C S55C	Alloy Steels SK / SCM SUS	Prehardened Steels NAK HPM	Hardened Steels ~ 50HRC	Hardened Steels ~ 55HRC	Hardened Steels ~ 60HRC	Hardened Steels ~ 65HRC	Hardened Steels ~ 70HRC	Cast Iron	Aluminum Alloys	Graphite	Copper	Plastics	Glass Filled Plastics	Titanium Alloys	Heat Resistant Alloys	Cemented Carbide	Hard Brittle (Non-Metallic) Materials
									○		★	○					

Features

CrN COAT offers longer tool life.
Special geometry designed for Copper offers excellent milling performance.
Refer to page 186 for 2 flute CRN-ES.
Diameter Tolerance: 0/-0.02(D ≦ 6), 0/-0.03(D ≧ 8)



The shank taper angle shown is not an exact value and to avoid contact with the work piece, we recommend the user controls the precise value of this angle. Shank taper angle should not make contact with the work piece.

Total 10 models　　Unit（mm）

Model Number	Outside Diameter φD	Length of Cut ℓ	Shank Taper Angle Bta	Overall Length L	Shank Diameter φd	Suggested Retail Price ¥
CRN-ES 4030-0900	3	9	11°	50	6	4,620
CRN-ES 4030-1200		12	11°	55	6	6,820
CRN-ES 4040-1200	4	12	11°	50	6	4,950
CRN-ES 4040-1600		16	11°	55	6	7,150
CRN-ES 4050-1500	5	15	11°	55	6	5,060
CRN-ES 4060-1800	6	18	—	60	6	5,390
CRN-ES 4060-2400		24	—	65	6	8,250
CRN-ES 4080-2400	8	24	—	80	8	9,480
CRN-ES 4100-3000	10	30	—	100	10	12,720
CRN-ES 4120-3600	12	36	—	100	12	15,840