

2 Flutes CrN COAT for Copper Electrode Milling



Size $\phi 0.2 \sim \phi 12$

CRN-ES2000



Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

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

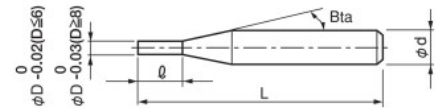
Features

CrN COAT offers longer tool life.

Special geometry designed for Copper offers excellent milling performance.

Refer to page 232 for 4 flute CRN-ES.

Diameter Tolerance: 0/-0.02 ($D \leq 6$), 0/-0.03 ($D \geq 8$)



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 26 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 2002-0060	0.2	0.6	11°	40	4	6,100
CRN-ES 2003-0090	0.3	0.9	11°	40	4	6,100
CRN-ES 2004-0120	0.4	1.2	11°	40	4	6,100
CRN-ES 2005-0150	0.5	1.5	11°	40	4	3,200
CRN-ES 2005-0200		2		45		5,500
CRN-ES 2006-0180	0.6	1.8	11°	40	4	5,060
CRN-ES 2006-0240		2.4		45		5,500
CRN-ES 2008-0240	0.8	2.4	11°	40	4	3,200
CRN-ES 2010-0300	1	3	11°	45	4	3,200
CRN-ES 2010-0400		4		50		4,950
CRN-ES 2015-0450	1.5	4.5	11°	45	4	3,200
CRN-ES 2015-0600		6		50		4,950
CRN-ES 2020-0600	2	6	11°	45	4	3,200
CRN-ES 2020-0800		8		50		4,950
CRN-ES 2025-0750	2.5	7.5	11°	45	4	3,200
CRN-ES 2030-0900	3	9	11°	50	6	3,740
CRN-ES 2030-1200		12		55		6,050
CRN-ES 2040-1200	4	12	11°	50	6	3,960
CRN-ES 2040-1600		16		55		6,600
CRN-ES 2050-1500	5	15	11°	55	6	4,200
CRN-ES 2060-1800	6	18	—	60	6	4,620
CRN-ES 2060-2400		24		65		7,480
CRN-ES 2080-2400	8	24	—	80	8	8,760
CRN-ES 2100-3000	10	30	—	100	10	10,900
CRN-ES 2100-4000		40		100		17,280
CRN-ES 2120-3600	12	36	—	100	12	15,000