

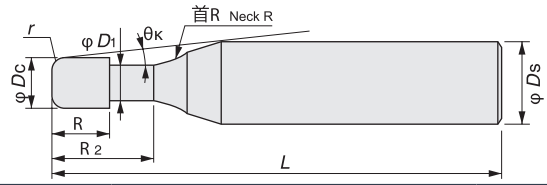
# END MILL

ดอกเอ็นมิลล์



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## EPOCH CBN SUPER RADIUS END MILL CNB-EPSR2



Includes actual measured mill diameter value.



$\pm 0.005$   
(central axis)

**h4** 0~-0.004

(mm)

New-concept CBN end mill providing both good cutting performance and strong flute edges  
Actual measured mill diameter value is show on case.

Item Code	Stock	Size (mm)									Display of actual measured mill dia. for all tools					The effective under-neck length for the various draft angles				
		Dc Tool Dia.	r	Under Neck Length	Flute Length	D1 Neck Dia.	L Overall Length	Ds Shank Dia.	R Neck	Interference Angle	0.5°	1°	1.5°	2°	3°					
																φ2	φ	φk		
CBN-EPSR2002-0.5-005	●			0.5	0.07	0.18	50	4	1	11.39	0.67	0.7	0.73	0.76	0.81					
CBN-EPSR2002-1-005	●	0.2	0.05	1	0.07	0.18	50	4	1	10.83	1.19	1.24	1.28	1.32	1.39					
CBN-EPSR2003-0.5-005	●			0.5	0.11	0.27	50	4	1	11.35	0.7	0.73	0.75	0.78	0.82					
CBN-EPSR2003-0.75-005	●			0.75	0.11	0.27	50	4	1	11.05	0.96	0.99	1.03	1.06	1.12					
CBN-EPSR2003-1.5-005	●			1.5	0.11	0.27	50	4	1	10.26	1.74	1.79	1.84	1.89	2.06					
CBN-EPSR2003-2-005	●			2	0.11	0.27	50	4	1	9.79	2.25	2.32	2.38	2.46	2.73					
CBN-EPSR2004-0.5-005	●			0.5	0.14	0.37	50	4	1	11.33	0.7	0.73	0.75	0.78	0.82					
CBN-EPSR2004-1-005	●	0.4	0.05	1	0.14	0.37	50	4	1	10.75	1.22	1.26	1.3	1.34	1.4					
CBN-EPSR2004-2-005	●			2	0.14	0.37	50	4	1	9.74	2.25	2.32	2.38	2.46	2.73					
CBN-EPSR2005-0.5-005	●			0.5	0.18	0.47	50	4	1	11.31	0.7	0.73	0.75	0.78	0.82					
CBN-EPSR2005-1.5-005	●		0.05	1.5	0.18	0.47	50	4	1	10.18	1.74	1.79	1.84	1.89	2.06					
CBN-EPSR2005-3-005	●			3	0.18	0.47	50	4	1	8.84	3.29	3.37	3.49	3.66	4.05					
CBN-EPSR2005-0.5-01	●			0.5	0.18	0.47	50	4	1	11.37	0.7	0.72	0.75	0.77	0.82					
CBN-EPSR2005-1.5-01	●		0.1	1.5	0.18	0.47	50	4	1	10.23	1.74	1.79	1.84	1.88	2.05					
CBN-EPSR2005-3-01	●			3	0.18	0.47	50	4	1	8.88	3.28	3.37	3.48	3.65	4.04					
CBN-EPSR2006-1.5-01	●			1.5	0.21	0.57	50	4	1	10.18	1.74	1.79	1.84	1.88	2.05					
CBN-EPSR2006-3-01	●	0.6	0.1	3	0.21	0.57	50	4	1	8.82	3.28	3.37	3.48	3.65	4.04					
CBN-EPSR2008-2.5-01	●			2.5	0.28	0.77	50	4	1	9.1	2.77	2.84	2.91	3.05	3.37					
CBN-EPSR2008-5-01	●			5	0.28	0.77	50	4	1	7.3	5.34	5.51	5.76	6.04	6.69					
CBN-EPSR2010-1-005	●			1	0.35	0.96	50	4	1	10.5	1.24	1.28	1.32	1.35	1.43					
CBN-EPSR2010-2.5-005	●		0.05	2.5	0.35	0.96	50	4	1	8.88	2.79	2.86	2.95	3.09	3.42					
CBN-EPSR2010-5-005	●			5	0.35	0.96	50	4	1	7.07	5.35	5.54	5.8	6.08	6.74					
CBN-EPSR2010-1-01	●			1	0.35	0.96	50	4	1	10.56	1.24	1.28	1.31	1.35	1.42					
CBN-EPSR2010-2.5-01	●	1	0.1	2.5	0.35	0.96	50	4	1	8.93	2.79	2.86	2.94	3.08	3.41					
CBN-EPSR2010-5-01	●			5	0.35	0.96	50	4	1	7.1	5.35	5.54	5.79	6.07	6.72					
CBN-EPSR2010-2.5-02	●			2.5	0.35	0.96	50	4	1	9.02	2.78	2.85	2.93	3.06	3.37					
CBN-EPSR2010-5-02	●		0.2	5	0.35	0.96	50	4	1	7.16	5.35	5.53	5.78	6.05	6.69					
CBN-EPSR2010-10-02	●			10	0.35	0.96	50	4	1	5.06	10.51	10.97	11.48	12.03	13.33					
CBN-EPSR2015-2-005	●			2	0.53	1.44	50	4	1	8.92	2.31	2.36	2.43	2.55	2.82					
CBN-EPSR2015-5-005	●		0.05	5	0.53	1.44	50	4	1	6.5	5.38	5.59	5.85	6.14	6.8					
CBN-EPSR2015-2-01	●			2	0.53	1.44	50	4	1	8.97	2.31	2.36	2.42	2.54	2.8					
CBN-EPSR2015-5-01	●		1.5	5	0.53	1.44	50	4	1	6.53	5.38	5.59	5.84	6.13	6.79					
CBN-EPSR2015-5-02	●			5	0.53	1.44	50	4	1	6.59	5.38	5.58	5.83	6.11	6.75					
CBN-EPSR2015-10-02	●		0.2	10	0.53	1.44	50	4	1	4.52	10.56	11.03	11.53	12.09	13.39					
CBN-EPSR2020-3-005	●			3	0.7	1.92	50	4	1	7.27	3.36	3.46	3.62	3.8	4.21					
CBN-EPSR2020-5-005	●		0.05	5	0.7	1.92	50	4	1	5.81	5.4	5.64	5.91	6.19	6.87					
CBN-EPSR2020-10-005	●			10	0.7	1.92	50	4	1	3.86	10.62	11.09	11.61	12.18	13.5					
CBN-EPSR2020-3-01	●			3	0.7	1.92	50	4	1	7.32	3.36	3.46	3.62	3.79	4.19					
CBN-EPSR2020-5-01	●		2	5	0.7	1.92	50	4	1	5.84	5.4	5.64	5.9	6.18	6.85					
CBN-EPSR2020-10-01	●			10	0.7	1.92	50	4	1	3.87	10.62	11.09	11.6	12.17	13.49					
CBN-EPSR2020-5-02	●			5	0.7	1.92	50	4	1	5.9	5.4	5.63	5.88	6.16	6.82					
CBN-EPSR2020-10-02	●		0.2	10	0.7	1.92	50	4	1	3.9	10.61	11.08	11.59	12.15	13.45					
CBN-EPSR2020-20-02	●			20	0.7	1.92	55	4	1	2.32	21.04	21.97	22.99	24.11	No interference					
CBN-EPSR2030-6-005	●		0.05	6	1.05	2.86	50	4	1	3.32	6.59	6.89	7.21	7.56	8.38					
CBN-EPSR2030-6-01	●			6	1.05	2.86	50	4	1	3.34	6.59	6.88	7.2	7.55	8.36					
CBN-EPSR2030-6-05	●		0.5	6	1.05	2.86	50	4	1	3.5	6.57	6.85	7.14	7.47	8.24					

● : Stocked Items.