

END MILL

ดอกเอ็นมิลล์

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เอ็นมิลล์

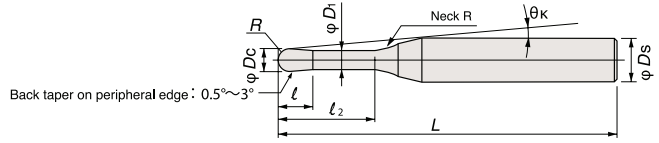


ดอกเอ็นมิลล์

EPOCH SUPER HARD BALL EVOLUTION EPSBE2 0.05-0.08-TH



Standard rating product
R accuracy
+0.003mm ~ -0.007mm



Back taper on peripheral edge: 0.5°~3°

- DEEP SERIES
เอ็นมิลล์ตระกูลดีพี
- CBN END MILL
CBN เอ็นมิลล์
- Carbide Endmill
เอ็นมิลล์คาร์ไบด์
- HSS Endmill
เอ็นมิลล์ไฮสปีด

Standard rating product



- Ball
หัวบอล
- Radius
หัวกัดมุม R
- Square
หัวตัด
- Taper Ball
หัวตบเปอร์บอล
- Roughing

R tolerance +0.003 ~ -0.007 h4 0 ~ -0.004 (mm)

For machining of high-hardness materials. Ideal for materials with hardnesses of 50HRC and higher.

Order No.	Stock	Size (mm)									The effective under-neck length for the various draft angles						
		R Ball Radius	Dc Tool Dia.	l Flute Length	D1 Neck Dia.	l2 Under Neck length.	L Overall length	Ds Shank Dia.	Neck R	theta_k Interference Angle	0.5°	1°	1.5°	2°	3°		
EPSBE2001-0.15-TH	●					0.15				11.82			0.30	0.32	0.33	0.35	0.38
EPSBE2001-0.3-TH	●	0.05	0.1	0.08	0.08	0.3		45	4	1	11.64		0.46	0.48	0.50	0.52	0.57
EPSBE2001-0.75-TH	●					0.75					11.12		0.93	0.97	1.01	1.04	1.10
EPSBE2002-0.3-TH	●					0.3					11.66		0.49	0.50	0.52	0.54	0.58
EPSBE2002-0.6-TH	●					0.3					11.30		0.80	0.83	0.86	0.88	0.93
EPSBE2002-1-TH	●	0.1	0.2	0.15	0.17	0.6		45	4	1	10.86		1.22	1.26	1.30	1.33	1.39
EPSBE2002-1.5-TH	●					1.5					10.35		1.74	1.79	1.84	1.88	2.05
EPSBE2002-2-TH	●					2					9.88		2.25	2.32	2.37	2.45	2.71
EPSBE2003-0.45-TH	●					0.45					11.53		0.73	0.77	0.80	0.84	0.91
EPSBE2003-0.9-TH	●					0.9					11.00		1.21	1.27	1.32	1.37	1.47
EPSBE2003-1.5-TH	●	0.15	0.3	0.25	0.27	1.5		45	4	2	10.36		1.84	1.92	1.99	2.06	2.18
EPSBE2003-2-TH	●					2					9.83		2.36	2.46	2.55	2.62	2.76
EPSBE2003-3-TH	●					3					9.05		3.41	3.53	3.64	3.73	4.02
EPSBE2004-0.6-TH	●					0.6					11.39		0.88	0.93	0.97	1.01	1.09
EPSBE2004-1.2-TH	●					1.2					10.69		1.52	1.59	1.65	1.71	1.82
EPSBE2004-2-TH	●					2					9.88		2.36	2.46	2.54	2.62	2.75
EPSBE2004-3-TH	●	0.2	0.4	0.3	0.37	3		45	4	2	9.03		3.41	3.53	3.63	3.73	4.01
EPSBE2004-3.5-TH	●					3.5					8.65		3.93	4.06	4.18	4.27	4.67
EPSBE2004-4-TH	●					4					8.30		4.45	4.59	4.71	4.83	5.33
EPSBE2005-0.75-TH	●					0.75					11.25		1.04	1.09	1.13	1.18	1.27
EPSBE2005-1.5-TH	●					1.5					10.39		1.83	1.91	1.98	2.05	2.17
EPSBE2005-3-TH	●	0.25	0.5	0.35	0.47	3		45	4	2	9.00		3.41	3.53	3.63	3.72	3.99
EPSBE2005-5-TH	●					5					7.64		5.48	5.65	5.78	6.01	6.65
EPSBE2006-0.9-TH	●					0.9					11.10		1.33	1.42	1.51	1.59	1.75
EPSBE2006-1.8-TH	●					1.8					10.08		2.30	2.44	2.56	2.68	2.88
EPSBE2006-3-TH	●	0.3	0.6	0.4	0.57	3		45	4	4	8.98		3.58	3.77	3.93	4.07	4.32
EPSBE2006-5-TH	●					5					7.59		5.70	5.94	6.14	6.32	6.63
EPSBE2006-6-TH	●					6					7.04		6.75	7.02	7.23	7.42	7.96
EPSBE2008-1.2-TH	●					1.2					10.79		1.65	1.75	1.84	1.93	2.11
EPSBE2008-2.4-TH	●	0.4	0.8	0.5	0.77	2.4		45	4	4	9.47		2.94	3.10	3.24	3.36	3.59
EPSBE2010-1.5-TH	●					1.5					11.01		2.01	2.12	2.21	2.31	2.49
EPSBE2010-3-TH	●					3					9.88		3.61	3.78	3.93	4.06	4.30
EPSBE2010-6-TH	●	0.5	1	0.8	0.96	6		45	6	4	8.20		6.76	7.02	7.23	7.42	7.92
EPSBE2010-8-TH	●					8					7.36		8.85	9.15	9.40	9.61	10.58
EPSBE2010-10-TH	●					10		50			6.68		10.93	11.27	11.54	11.98	13.23
EPSBE2012-1.8-TH	●					1.8					10.78		2.36	2.47	2.58	2.68	2.86
EPSBE2012-3.6-TH	●	0.6	1.2	1.1	1.15	3.6		45	6	4	9.46		4.27	4.45	4.61	4.75	5.01
EPSBE2015-2.25-TH	●					2.25					10.43		2.87	2.99	3.10	3.20	3.40
EPSBE2015-4.5-TH	●					4.5		45			8.84		5.24	5.43	5.61	5.76	6.03
EPSBE2015-8-TH	●	0.75	1.5	1.35	1.44	8		45	6	4	7.14		8.89	9.17	9.41	9.61	10.56
EPSBE2015-12-TH	●					12		50			5.85		13.03	13.39	13.74	14.38	15.87
EPSBE2020-3-TH	●					3					9.79		3.71	3.84	3.96	4.07	4.29
EPSBE2020-6-TH	●					6		45			7.81		6.84	7.07	7.26	7.43	7.89
EPSBE2020-8-TH	●					8					6.88		8.92	9.19	9.42	9.61	10.54
EPSBE2020-12-TH	●	1	2	1.7	1.92	12			6	4	5.55		13.06	13.41	13.76	14.39	15.85
EPSBE2020-16-TH	●					16		50			4.65		17.19	17.59	18.32	19.17	21.16
EPSBE2020-20-TH	●					20					4.01		21.30	21.90	22.88	23.96	26.47

● : Stocked Items.