



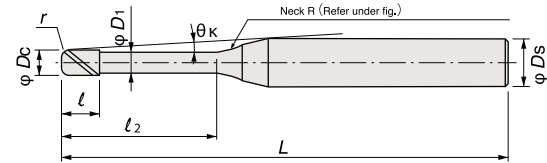
ดอกเอ็นมิลล์

EPOCH TURBO RIB

ETR4 0000-00-00-TH



4Flutes



Straight Neck



±0.01



0~-0.005

(mm)

Suppresses chattering to enable deeper, faster machining.

Order No.	Stock	Size (mm)									The effective under-neck length for the various draft angles				
		Dc Tool Dia.	r Corner radius	l ₂ Under Neck Length	l Flute Length	D1 Neck Dia.	L Overall length	Ds shank Dia.	Neck R	θ κ Interference Angle	0.5°	1°	1.5°	2°	3°
ETR4010-5-02-TH	●			5						8.52	5.79	6.01	6.21	6.38	6.75
ETR4010-7.5-02-TH	●			7.5			50			7.42	8.39	8.68	8.91	9.11	10.07
ETR4010-10-02-TH	●			10						6.58	10.98	11.32	11.58	12.09	13.39
ETR4010-12.5-02-TH	●			12.5						5.90	13.57	13.94	14.38	15.08	16.71
ETR4010-15-02-TH	●			15						5.35	16.15	16.55	17.24	18.07	20.03
ETR4010-17.5-02-TH	●	1	0.2	17.5	1	0.94	60	6	4	4.90	18.72	19.20	20.09	21.07	23.35
ETR4010-20-02-TH	●			20						4.51	21.29	21.92	22.94	24.06	26.66
ETR4010-22.5-02-TH	●			22.5						4.19	23.85	24.64	25.79	27.05	29.98
ETR4010-25-02-TH	●			25			70			3.90	26.41	27.37	28.64	30.04	33.30
ETR4010-27.5-02-TH	●			27.5						3.65	28.97	30.09	31.49	33.03	36.62
ETR4010-30-02-TH	●			30						3.44	31.52	32.82	34.34	36.02	39.94
ETR40125-5-02-TH	●			5			50			8.38	5.81	6.03	6.22	6.39	6.79
ETR40125-10-02-TH	●			10						6.42	11.00	11.33	11.59	12.12	13.42
ETR40125-15-02-TH	●	1.25	0.2	15	1.25	1.18	60	6	4	5.20	16.16	16.56	17.26	18.10	20.06
ETR40125-20-02-TH	●			20						4.37	21.30	21.95	22.97	24.09	26.69
ETR40125-25-02-TH	●			25			70			3.77	26.42	27.39	28.67	30.07	33.33
ETR40125-30-02-TH	●			30						3.31	31.54	32.84	34.37	36.05	39.97
ETR4015-5-03-TH	●			5			50			8.28	5.83	6.05	6.23	6.40	6.79
ETR4015-10-03-TH	●			10						6.28	11.02	11.34	11.60	12.13	13.42
ETR4015-15-03-TH	●	1.5	0.3	15	1.5	1.42	60	6	4	5.05	16.18	16.57	17.28	18.11	20.06
ETR4015-20-03-TH	●			20						4.23	21.31	21.96	22.98	24.09	26.69
ETR4015-25-03-TH	●			25			70			3.63	26.43	27.41	28.68	30.08	33.33
ETR4015-30-03-TH	●			30						3.19	31.55	32.86	34.38	36.06	39.97
ETR40175-10-03-TH	●			10			50			6.09	11.06	11.37	11.63	12.18	13.48
ETR40175-20-03-TH	●	1.75	0.3	20	1.75	1.65	60	6	4	4.07	21.34	22.01	23.03	24.15	26.76
ETR40175-30-03-TH	●			30			70			3.05	31.57	32.91	34.44	36.12	40.03
ETR40175-40-03-TH	●			40			80			2.44	41.94	43.80	45.84	48.08	No interference
ETR4020-10-05-TH	●			10			50			5.98	11.01	11.33	11.59	12.09	13.36
ETR4020-15-05-TH	●			15						4.75	16.17	16.56	17.25	18.07	19.99
ETR4020-20-05-TH	●			20			60			3.94	21.31	21.95	22.95	24.06	26.63
ETR4020-25-05-TH	●	2	0.5	25	2	1.92	70	6	4	3.36	26.43	27.39	28.65	30.04	33.27
ETR4020-30-05-TH	●			30						2.93	31.54	32.84	34.36	36.02	No interference
ETR4020-35-05-TH	●			35						2.60	36.67	38.29	40.06	42.00	No interference
ETR4020-40-05-TH	●			40			80			2.34	41.88	43.73	45.76	47.99	No interference
ETR4025-10-05-TH	●			10			50			5.57	11.05	11.36	11.61	12.15	13.42
ETR4025-20-05-TH	●			20			60			3.59	21.34	22.00	23.00	24.11	26.96
ETR4025-30-05-TH	●	2.5	0.5	30	2.5	2.4	70	6	4	2.64	31.57	32.89	34.41	36.08	No interference
ETR4025-40-05-TH	●			40			80			2.09	41.93	43.79	45.81	48.04	No interference
ETR4025-50-05-TH	●			50			90			1.73	52.36	54.68	57.22	No interference	No interference
ETR4030-10-08-TH	●			10			50			5.17	11.12	11.40	11.66	12.20	13.45
ETR4030-20-08-TH	●			20			60			3.23	21.39	22.07	23.07	24.17	26.72
ETR4030-30-08-TH	●	3	0.8	30	3	2.86	70	6	4	2.35	31.61	32.97	34.47	36.13	No interference
ETR4030-40-08-TH	●			40			80			1.85	42.02	43.86	45.88	No interference	No interference
ETR4030-50-08-TH	●			50			90			1.52	52.45	54.76	57.28	No interference	No interference

● : Stocked Items.