

ESM Taper End Mills

ESMテーパエンドミル

2枚刃・レギュラー刃長

2Flutes, Regular



0~0.03



6<Ds<10 : 0~-0.012
10<Ds<18 : 0~-0.015
18<Ds<30 : 0~-0.018
30<Ds : 0~-0.021
30<Ds : 0~-0.025 (mm)

片角公差：±5°
Tolerance on Taper angle



2ESMTR



商品コード Item Code	在庫 Stock	寸法 Size (mm)						
		外径 Mill Dia.	刃角 Taper Angle on side	刃長 Flute Length	大端径 Large Edge Dia.	全長 Overall Length	シャンク径 Shank Dia.	
2ESMTR2×1	☐	2	1°	22	2.77	66	6	
2ESMTR2×1.25	☐	2	1° 15′	22	2.96	66	6	
2ESMTR2×1.5	☐	2	1° 30′	22	3.15	66	6	
2ESMTR2×1.75	☐	2	1° 45′	22	3.34	66	6	
2ESMTR2.5×0.5	☐	2.5	30′	17	2.80	61	6	
2ESMTR2.5×0.75	☐	2.5	45′	17	2.95	61	6	
2ESMTR2.5×1	☐	2.5	1°	22	3.27	66	6	
2ESMTR2.5×1.25	☐	2.5	1° 15′	22	3.46	66	6	
2ESMTR2.5×1.5	☐	2.5	1° 30′	22	3.65	66	6	
2ESMTR2.5×1.75	☐	2.5	1° 45′	22	3.84	66	6	
2ESMTR2.5×2	☐	2.5	2°	30	4.60	74	6	
2ESMTR2.5×2.25	☐	2.5	2° 15′	30	4.86	74	6	
2ESMTR2.5×2.5	☐	2.5	2° 30′	30	5.12	74	6	
2ESMTR2.5×2.75	☐	2.5	2° 45′	30	5.38	74	6	
2ESMTR2.5×3	☐	2.5	3°	30	5.64	74	6	
2ESMTR3×0.5	☐	3	30′	17	3.30	61	6	
2ESMTR3×0.75	☐	3	45′	17	3.45	61	6	
2ESMTR3×1	☐	3	1°	22	3.77	66	6	
2ESMTR3×1.25	☐	3	1° 15′	22	3.96	66	6	
2ESMTR3×1.5	☐	3	1° 30′	22	4.15	66	6	
2ESMTR3×1.75	☐	3	1° 45′	22	4.34	66	6	
2ESMTR3×2	☐	3	2°	30	5.10	74	6	
2ESMTR3×2.25	☐	3	2° 15′	30	5.36	74	6	
2ESMTR3×2.5	☐	3	2° 30′	30	5.62	74	6	
2ESMTR3×2.75	☐	3	2° 45′	30	5.88	74	6	
2ESMTR3×3	☐	3	3°	30	6.14	74	6	
2ESMTR4×0.5	☐	4	30′	20	4.35	64	6	
2ESMTR4×0.75	☐	4	45′	20	4.52	64	6	
2ESMTR4×1	☐	4	1°	26	4.91	70	6	
2ESMTR4×1.25	☐	4	1° 15′	26	5.13	70	6	
2ESMTR4×1.5	☐	4	1° 30′	26	5.36	70	6	
2ESMTR4×1.75	☐	4	1° 45′	26	5.59	70	6	
2ESMTR4×2	☐	4	2°	36	6.51	80	8	
2ESMTR4×2.25	☐	4	2° 15′	36	6.83	80	8	
2ESMTR4×2.5	☐	4	2° 30′	36	7.14	80	8	
2ESMTR4×2.75	☐	4	2° 45′	36	7.46	80	8	
2ESMTR4×3	☐	4	3°	36	7.77	80	8	
2ESMTR5×0.5	☐	5	30′	20	5.35	68	6	
2ESMTR5×0.75	☐	5	45′	20	5.52	68	6	
2ESMTR5×1	☐	5	1°	32	6.12	76	8	
2ESMTR5×1.25	☐	5	1° 15′	32	6.40	76	8	
2ESMTR5×1.5	☐	5	1° 30′	32	6.68	76	8	
2ESMTR5×1.75	☐	5	1° 45′	32	6.96	76	8	
2ESMTR5×2	☐	5	2°	42	7.93	86	8	
2ESMTR5×2.25	☐	5	2° 15′	42	8.30	86	8	
2ESMTR5×2.5	☐	5	2° 30′	42	8.67	92	10	
2ESMTR5×2.75	☐	5	2° 45′	42	9.03	92	10	
2ESMTR5×3	☐	5	3°	42	9.40	92	10	
2ESMTR6×0.5	☐	6	30′	24	6.42	68	8	
2ESMTR6×0.75	☐	6	45′	24	6.63	68	8	

商品コード Item Code	在庫 Stock	寸法 Size (mm)						
		外径 Mill Dia.	側面 Taper Angle on side	刃長 Flute Length	大端径 Large Edge Dia.	全長 Overall Length	シャンク径 Shank Dia.	
2ESMTR6 × 1	☐	6	1°	32	7.12	76	8	
2ESMTR6 × 1.25	☐	6	1° 15′	32	7.40	76	8	
2ESMTR6 × 1.5	☐	6	1° 30′	32	7.68	76	8	
2ESMTR6 × 1.75	☐	6	1° 45′	32	7.96	76	8	
2ESMTR6 × 2	☐	6	2°	42	8.93	92	10	
2ESMTR6 × 2.25	☐	6	2° 15′	42	9.30	92	10	
2ESMTR6 × 2.5	☐	6	2° 30′	42	9.67	92	10	
2ESMTR6 × 2.75	☐	6	2° 45′	42	10.03	92	10	
2ESMTR6 × 3	☐	6	3°	42	10.40	99	12	
2ESMTR8 × 0.5	☐	8	30′	28	8.49	78	10	
2ESMTR8 × 0.75	☐	8	45′	28	8.73	78	10	
2ESMTR8 × 1	☐	8	1°	38	9.33	88	10	
2ESMTR8 × 1.25	☐	8	1° 15′	38	9.66	88	10	
2ESMTR8 × 1.5	☐	8	1° 30′	38	9.99	88	10	
2ESMTR8 × 1.75	☐	8	1° 45′	38	10.32	88	10	
2ESMTR8 × 2	☐	8	2°	50	11.49	107	12	
2ESMTR8 × 2.5	☐	8	2° 30′	50	12.37	107	12	
2ESMTR8 × 3	☐	8	3°	50	13.24	107	12	
2ESMTR8 × 5	☐	8	5°	50	16.75	110	16	
2ESMTR8 × 7	☐	8	7°	67	24.45	143	25	
2ESMTR8 × 10	☐	8	10°	67	31.63	147	32	
2ESMTR10 × 0.5	☐	10	30′	28	10.49	85	12	
2ESMTR10 × 0.75	☐	10	45′	28	10.73	85	12	
2ESMTR10 × 1	☐	10	1°	38	11.33	95	12	
2ESMTR10 × 1.25	☐	10	1° 15′	38	11.66	95	12	
2ESMTR10 × 1.5	☐	10	1° 30′	38	11.99	95	12	
2ESMTR10 × 1.75	☐	10	1° 45′	38	12.32	95	12	
2ESMTR10 × 2	☐	10	2°	50	13.49	107	12	
2ESMTR10 × 2.25	☐	10	2° 15′	50	13.93	107	12	
2ESMTR10 × 2.5	☐	10	2° 30′	50	14.37	107	12	
2ESMTR10 × 2.75	☐	10	2° 45′	50	14.80	107	12	
2ESMTR10 × 3	☐	10	3°	50	15.24	110	16	
2ESMTR10 × 5	☐	10	5°	50	18.75	110	16	
2ESMTR10 × 7	☐	10	7°	67	26.45	143	25	
2ESMTR10 × 10	☐	10	10°	67	33.63	147	32	
2ESMTR12 × 0.5	☐	12	30′	34	12.59	91	12	
2ESMTR12 × 0.75	☐	12	45′	34	12.89	91	12	
2ESMTR12 × 1	☐	12	1°	45	13.57	102	12	
2ESMTR12 × 1.25	☐	12	1° 15′	45	13.96	102	12	
2ESMTR12 × 1.5	☐	12	1° 30′	45	14.36	102	12	
2ESMTR12 × 1.75	☐	12	1° 45′	45	14.75	102	12	
2ESMTR12 × 2	☐	12	2°	60	16.19	120	16	
2ESMTR12 × 2.25	☐	12	2° 15′	60	16.71	120	16	
2ESMTR12 × 2.5	☐	12	2° 30′	60	17.24	120	16	
2ESMTR12 × 2.75	☐	12	2° 45′	60	17.76	120	16	
2ESMTR12 × 3	☐	12	3°	60	18.29	126	20	
2ESMTR12 × 5	☐	12	5°	60	22.50	126	20	
2ESMTR12 × 7	☐	12	7°	80	31.65	160	32	
2ESMTR12 × 10	☐	12	10°	80	40.21	172	42	
2ESMTR16 × 1.5	☐	16	1° 30′	45	18.36	105	16	

□印：特定代理店在庫です。弊社営業へお問合せください。 □：Stocked by specified distributor. Contact with our sales department.

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2枚刃・レギュラー刃長

2Flutes, Regular



0~-0.03



6<Ds≤10 : 0~-0.012
10<Ds≤18 : 0~-0.015
18<Ds≤30 : 0~-0.018
30<Ds : 0~-0.021
30<Ds : 0~-0.025 (mm)

片角公差：±5°
Tolerance on Taper angle



2ESMTR○○.○×○○.○



商品コード Item Code	在庫 Stock	寸法 Size (mm)	外径 Mill Dia.	刃長 Flute Length	大端径 Large Edge Dia.	全長 Overall Length	シャンク径 Shank Dia.
2ESMTR16 × 1.75	☐	16 1° 45'	16	45	18.75	105	16
2ESMTR16 × 2	☐	16 2°	16	60	20.19	126	20
2ESMTR16 × 2.25	☐	16 2° 15'	16	60	20.71	126	20
2ESMTR16 × 2.5	☐	16 2° 30'	16	60	21.24	126	20
2ESMTR16 × 2.75	☐	16 2° 45'	16	60	21.76	126	20
2ESMTR16 × 3	☐	16 3°	16	60	22.29	126	20
2ESMTR16 × 4	☐	16 4°	16	60	24.39	136	25
2ESMTR16 × 5	☐	16 5°	16	60	26.50	136	25
2ESMTR20 × 2	☐	20 2°	20	71	24.96	147	25
2ESMTR20 × 2.25	☐	20 2° 15'	20	71	25.58	147	25
2ESMTR20 × 2.5	☐	20 2° 30'	20	71	26.20	147	25
2ESMTR20 × 2.75	☐	20 2° 45'	20	71	26.82	147	25
2ESMTR20 × 3	☐	20 3°	20	71	27.44	147	25
2ESMTR20 × 4	☐	20 4°	20	71	29.93	147	25

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4枚刃・レギュラー刃長

4Flutes, Regular



0~-0.03



6<Ds≤10 : 0~-0.012
10<Ds≤18 : 0~-0.015
18<Ds≤30 : 0~-0.018
30<Ds : 0~-0.021
30<Ds : 0~-0.025 (mm)

片角公差：±5°
Tolerance on Taper angle



4ESMTR○○.○×○○.○



商品コード Item Code	在庫 Stock	寸法 Size (mm)	外径 Mill Dia.	刃長 Flute Length	大端径 Large Edge Dia.	全長 Overall Length	シャンク径 Shank Dia.
4ESMTR2 × 1	☐	2 1°	2	22	2.77	66	6
4ESMTR2 × 1.25	☐	2 1° 15'	2	22	2.96	66	6
4ESMTR2 × 1.5	☐	2 1° 30'	2	22	3.15	66	6
4ESMTR2 × 1.75	☐	2 1° 45'	2	22	3.34	66	6
4ESMTR2.5 × 0.5	☐	2.5 30'	2.5	17	2.80	61	6
4ESMTR2.5 × 0.75	☐	2.5 45'	2.5	17	2.95	61	6
4ESMTR2.5 × 1	☐	2.5 1°	2.5	22	3.27	66	6
4ESMTR2.5 × 1.25	☐	2.5 1° 15'	2.5	22	3.46	66	6
4ESMTR2.5 × 1.5	☐	2.5 1° 30'	2.5	22	3.65	66	6
4ESMTR2.5 × 1.75	☐	2.5 1° 45'	2.5	22	3.84	66	6
4ESMTR2.5 × 2	☐	2.5 2°	2.5	30	4.60	74	6
4ESMTR2.5 × 2.25	☐	2.5 2° 15'	2.5	30	4.86	74	6
4ESMTR2.5 × 2.5	☐	2.5 2° 30'	2.5	30	5.12	74	6
4ESMTR2.5 × 2.75	☐	2.5 2° 45'	2.5	30	5.38	74	6
4ESMTR2.5 × 3	☐	2.5 3°	2.5	30	5.64	74	6
4ESMTR3 × 0.5	☐	3 30'	3	17	3.30	61	6
4ESMTR3 × 0.75	☐	3 45'	3	17	3.45	61	6
4ESMTR3 × 1	☐	3 1°	3	22	3.77	66	6
4ESMTR3 × 1.25	☐	3 1° 15'	3	22	3.96	66	6
4ESMTR3 × 1.5	☐	3 1° 30'	3	22	4.15	66	6
4ESMTR3 × 1.75	☐	3 1° 45'	3	22	4.34	66	6
4ESMTR3 × 2	☐	3 2°	3	30	5.10	74	6
4ESMTR3 × 2.25	☐	3 2° 15'	3	30	5.36	74	6
4ESMTR3 × 2.5	☐	3 2° 30'	3	30	5.62	74	6
4ESMTR3 × 2.75	☐	3 2° 45'	3	30	5.88	74	6
4ESMTR3 × 3	☐	3 3°	3	30	6.14	74	8
4ESMTR4 × 0.5	☐	4 30'	4	20	4.35	64	6
4ESMTR4 × 0.75	☐	4 45'	4	20	4.52	64	6
4ESMTR4 × 1	☐	4 1°	4	26	4.91	70	6
4ESMTR4 × 1.25	☐	4 1° 15'	4	26	4.13	70	6
4ESMTR4 × 1.5	☐	4 1° 30'	4	26	5.36	70	6
4ESMTR4 × 1.75	☐	4 1° 45'	4	26	5.59	70	6
4ESMTR4 × 2	☐	4 2°	4	36	6.51	80	8
4ESMTR4 × 2.25	☐	4 2° 15'	4	36	6.83	80	8
4ESMTR4 × 2.5	☐	4 2° 30'	4	36	7.14	80	8
4ESMTR4 × 2.75	☐	4 2° 45'	4	36	7.46	80	8
4ESMTR4 × 3	☐	4 3°	4	36	7.77	80	8
4ESMTR5 × 0.5	☐	5 30'	5	20	5.35	68	6
4ESMTR5 × 0.75	☐	5 45'	5	20	5.52	68	6
4ESMTR5 × 1	☐	5 1°	5	32	6.12	76	8
4ESMTR5 × 1.25	☐	5 1° 15'	5	32	6.40	76	8
4ESMTR5 × 1.5	☐	5 1° 30'	5	32	6.68	76	8
4ESMTR5 × 1.75	☐	5 1° 45'	5	32	6.96	76	8
4ESMTR5 × 2	☐	5 2°	5	42	7.93	86	8
4ESMTR5 × 2.25	☐	5 2° 15'	5	42	8.30	86	8
4ESMTR5 × 2.5	☐	5 2° 30'	5	42	8.67	92	10
4ESMTR5 × 2.75	☐	5 2° 45'	5	42	9.03	92	10
4ESMTR5 × 3	☐	5 3°	5	42	9.40	92	10
4ESMTR6 × 0.5	☐	6 30'	6	24	6.42	68	8
4ESMTR6 × 0.75	☐	6 45'	6	24	6.63	68	8