

無限コーティングプレミアムPlus

高硬度鋼高精度加工用4枚刃ロングネックラジアスエンドミル 焼きばめチャック対応ショートシャンクタイプ

MUGEN COATING PREMIUM Plus 4-Flute Long Neck Corner Radius End Mill with Short Shank for Hardened Steel and High Accuracy Cutting

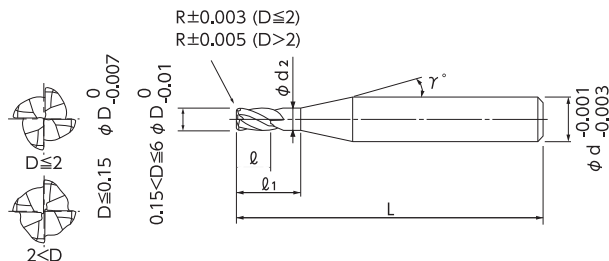
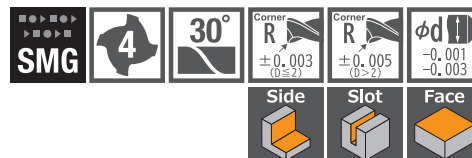
全 269 サイズ

Total 269 sizes

表面粗さを向上させる刃形状と高精度コーナRで、

高硬度鋼の仕上げ加工を高精度に改善

Specialized cutting edge and high precision corner R enhance finishing accuracy on hardened steels



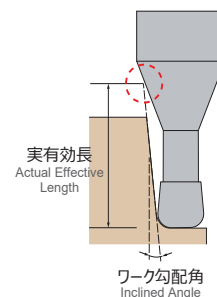
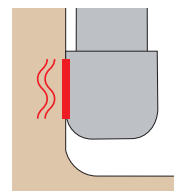
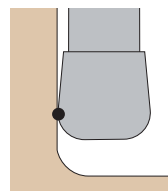
$\phi 0.1 \sim \phi 2$ の底刃は軸中心まで刃がありません。削り残しにご注意ください。
Please be aware of stock since there is no cutting edge from the center to the bottom.

- 高硬度鋼用の無限コーティングプレミアムPlusと強バックテーパにより
長寿命でびびりを抑えた仕上げ面を実現。
- 高能率加工が可能な4枚刃タイプ。
- 4枚刃で最小径 $\phi 0.1$ から $\phi 6$ まで全269サイズ。
- シャンク径公差は -0.001mm から -0.003mm の高精度仕様。
- MUGEN COATING PREMIUM Plus for hardened steels with strong back taper
reduce chattering to realize long tool life and excellent finishing surface.
- 4-flute end mill for high efficiency machining.
- 4-flute end mill has 269 sizes in total that lineup from the smallest diameter $\phi 0.1$ to $\phi 6$.
- Shank diameter tolerance, high accuracy type, is $-0.001\text{mm} \sim -0.003\text{mm}$.

被削材 Work Material

高硬度鋼 H
Hardened Steel

60~70HRC

加工事例
Machining case

◆ 2025年12月発売 ※Release in Dec, 2025.

単位 [寸法: mm / 価格: 円]
Unit [Size: mm / Retail Price: JPY]

コードNo. Code No.	(D)外径 Dia.	(R)コーナ半径 Corner Radius	(ℓ_1) 首下長 Under Neck Length	(ℓ) 刃長 Length of Cut	(d_2) 首下径 Neck Dia.	(γ) 首角 Neck Taper Angle	(d)シャンク径 Shank Dia.	(L)全長 Overall Length	標準価格 Retail Price	ワーク勾配角に対する実有効長 Actual effective length depending on inclined angle of workpiece				
										30°	1°	1°30'	2°	3°
08-00239-01002	0.1	R0.01	0.2	0.08	0.085	15°	4	35	12,900	0.23	0.24	0.25	0.26	0.28
◆ 08-00239-01001			0.25	0.08	0.085	15°	4	35	12,900	0.28	0.29	0.3	0.31	0.34
08-00239-01003			0.3	0.08	0.085	15°	4	35	12,900	0.33	0.35	0.36	0.37	0.4
◆ 08-00239-01004			0.4	0.08	0.085	15°	4	35	12,900	0.44	0.45	0.47	0.49	0.52
◆ 08-00239-01005			0.5	0.08	0.085	15°	4	35	12,900	0.54	0.56	0.58	0.6	0.65
08-00239-01503	0.15	R0.01	0.3	0.12	0.135	15°	4	35	12,900	0.33	0.35	0.36	0.37	0.4
◆ 08-00239-01504			0.4	0.12	0.135	15°	4	35	12,900	0.44	0.45	0.47	0.49	0.52
08-00239-01505			0.5	0.12	0.135	15°	4	35	12,900	0.54	0.56	0.58	0.6	0.65
◆ 08-00239-01506			0.6	0.12	0.135	15°	4	35	12,900	0.64	0.67	0.69	0.72	0.77
◆ 08-00239-01507			0.75	0.12	0.135	15°	4	35	12,900	0.8	0.83	0.86	0.89	0.96
08-00239-01523		R0.02	0.3	0.12	0.135	15°	4	35	12,900	0.33	0.34	0.36	0.37	0.4
◆ 08-00239-01524			0.4	0.12	0.135	15°	4	35	12,900	0.44	0.45	0.47	0.48	0.52
08-00239-01525			0.5	0.12	0.135	15°	4	35	12,900	0.54	0.56	0.58	0.6	0.65
◆ 08-00239-01526			0.6	0.12	0.135	15°	4	35	12,900	0.64	0.67	0.69	0.71	0.77
◆ 08-00239-01527			0.75	0.12	0.135	15°	4	35	12,900	0.8	0.83	0.86	0.89	0.96
08-00239-02203	0.2	R0.02	0.3	0.15	0.18	15°	4	35	12,900	0.34	0.35	0.37	0.38	0.41
◆ 08-00239-02204			0.4	0.15	0.18	15°	4	35	12,900	0.45	0.46	0.48	0.49	0.53
08-00239-02205			0.5	0.15	0.18	15°	4	35	12,900	0.55	0.57	0.59	0.61	0.66
08-00239-02207			0.75	0.15	0.18	15°	4	35	12,900	0.81	0.84	0.87	0.9	0.97
08-00239-02210			1	0.15	0.18	15°	4	35	12,900	1.07	1.1	1.14	1.18	1.28
08-00239-02403		R0.05	0.3	0.15	0.18	15°	4	35	12,900	0.34	0.35	0.36	0.38	0.4
◆ 08-00239-02404			0.4	0.15	0.18	15°	4	35	12,900	0.45	0.46	0.47	0.49	0.53
08-00239-02405			0.5	0.15	0.18	15°	4	35	12,900	0.55	0.57	0.59	0.61	0.65
08-00239-02407			0.75	0.15	0.18	15°	4	35	12,900	0.81	0.83	0.86	0.89	0.96
08-00239-02410			1	0.15	0.18	15°	4	35	12,900	1.07	1.1	1.14	1.18	1.27

オーダー方法
How to OrderMHRSH430RSF 外径(D)×コーナ半径(R)×首下長(ℓ_1)を指示してください。
When you order, indicate MHRSH430RSF (D)×(R)×(ℓ_1).※(γ)は参考値です。
※(γ) is reference value.

単位 [寸法 : mm / 価格 : 円]

Unit [Size : mm / Retail Price : JPY]

コードNo. Code No.	(D)外径 Dia.	(R)コーナ半径 Corner Radius	(ℓ ₁)首下長 Under Neck Length	(ℓ)刃長 Length of Cut	(d ₂)首下径 Neck Dia.	(γ)首角 Neck Taper Angle	(d)シャンク径 Shank Dia.	(L)全長 Overall Length	標準価格 Retail Price	ワーク勾配角に対する実有効長 Actual effective length depending on inclined angle of workpiece				
										30°	1°	1°30′	2°	3°
08-00239-03205	0.3	R0.02	0.5	0.25	0.28	15°	4	35	12,900	0.55	0.57	0.59	0.61	0.66
◆ 08-00239-03206			0.6	0.25	0.28	15°	4	35	12,900	0.65	0.68	0.7	0.72	0.78
08-00239-03207			0.75	0.25	0.28	15°	4	35	12,900	0.81	0.84	0.87	0.9	0.97
08-00239-03210			1	0.25	0.28	15°	4	35	12,900	1.07	1.1	1.14	1.18	1.28
◆ 08-00239-03212			1.25	0.25	0.28	15°	4	35	12,900	1.32	1.37	1.42	1.47	1.59
08-00239-03215			1.5	0.25	0.28	15°	4	35	12,900	1.58	1.64	1.7	1.76	1.9
08-00239-03405		R0.05	0.5	0.25	0.28	15°	4	35	12,900	0.55	0.57	0.59	0.61	0.65
◆ 08-00239-03406			0.6	0.25	0.28	15°	4	35	12,900	0.65	0.67	0.7	0.72	0.78
08-00239-03407			0.75	0.25	0.28	15°	4	35	12,900	0.81	0.83	0.86	0.89	0.96
08-00239-03410			1	0.25	0.28	15°	4	35	12,900	1.07	1.1	1.14	1.18	1.27
◆ 08-00239-03412			1.25	0.25	0.28	15°	4	35	12,900	1.32	1.37	1.42	1.47	1.58
08-00239-03415			1.5	0.25	0.28	15°	4	35	12,900	1.58	1.64	1.69	1.76	1.89
08-00239-04205	0.4	R0.02	0.5	0.3	0.37	15°	4	35	8,300	0.57	0.59	0.61	0.63	0.68
◆ 08-00239-04207			0.75	0.3	0.37	15°	4	35	8,300	0.83	0.86	0.89	0.92	0.99
08-00239-04210			1	0.3	0.37	15°	4	35	8,300	1.09	1.12	1.16	1.21	1.3
08-00239-04215			1.5	0.3	0.37	15°	4	35	8,300	1.6	1.66	1.72	1.78	1.92
08-00239-04220			2	0.3	0.37	15°	4	35	8,300	2.12	2.19	2.27	2.36	2.55
08-00239-04405		R0.05	0.5	0.3	0.37	15°	4	35	8,300	0.57	0.59	0.61	0.63	0.67
◆ 08-00239-04407			0.75	0.3	0.37	15°	4	35	8,300	0.83	0.85	0.88	0.91	0.99
08-00239-04410			1	0.3	0.37	15°	4	35	8,300	1.08	1.12	1.16	1.2	1.3
08-00239-04415			1.5	0.3	0.37	15°	4	35	8,300	1.6	1.66	1.71	1.78	1.92
08-00239-04420			2	0.3	0.37	15°	4	35	8,300	2.12	2.19	2.27	2.35	2.54
◆ 08-00239-04505		R0.1	0.5	0.3	0.37	15°	4	35	8,300	0.57	0.58	0.6	0.62	0.66
◆ 08-00239-04507			0.75	0.3	0.37	15°	4	35	8,300	0.82	0.85	0.88	0.91	0.97
◆ 08-00239-04510			1	0.3	0.37	15°	4	35	8,300	1.08	1.12	1.15	1.19	1.28
◆ 08-00239-04515			1.5	0.3	0.37	15°	4	35	8,300	1.6	1.65	1.71	1.77	1.91
◆ 08-00239-04520			2	0.3	0.37	15°	4	35	8,300	2.12	2.19	2.26	2.34	2.53
08-00239-05210	0.5	R0.02	1	0.4	0.46	15°	4	35	6,700	1.11	1.14	1.18	1.23	1.33
08-00239-05215			1.5	0.4	0.46	15°	4	35	6,700	1.62	1.68	1.74	1.8	1.95
08-00239-05220			2	0.4	0.46	15°	4	35	6,700	2.14	2.21	2.29	2.38	2.57
08-00239-05225			2.5	0.4	0.46	15°	4	35	6,700	2.66	2.75	2.85	2.95	3.19
08-00239-05410		R0.05	1	0.4	0.46	15°	4	35	6,700	1.1	1.14	1.18	1.22	1.32
08-00239-05415			1.5	0.4	0.46	15°	4	35	6,700	1.62	1.68	1.73	1.8	1.94
08-00239-05420			2	0.4	0.46	15°	4	35	6,700	2.14	2.21	2.29	2.37	2.56
08-00239-05425			2.5	0.4	0.46	15°	4	35	6,700	2.65	2.75	2.84	2.95	3.18
08-00239-05510		R0.1	1	0.4	0.46	15°	4	35	6,700	1.1	1.14	1.18	1.22	1.31
08-00239-05515			1.5	0.4	0.46	15°	4	35	6,700	1.62	1.67	1.73	1.79	1.93
08-00239-05520			2	0.4	0.46	15°	4	35	6,700	2.14	2.21	2.28	2.37	2.55
08-00239-05525			2.5	0.4	0.46	15°	4	35	6,700	2.65	2.74	2.84	2.94	3.17
08-00239-06210	0.6	R0.02	1	0.5	0.56	15°	4	35	6,700	1.11	1.14	1.18	1.23	1.33
◆ 08-00239-06215			1.5	0.5	0.56	15°	4	35	6,700	1.62	1.68	1.74	1.8	1.95
08-00239-06220			2	0.5	0.56	15°	4	35	6,700	2.14	2.21	2.29	2.38	2.57
◆ 08-00239-06225			2.5	0.5	0.56	15°	4	35	6,700	2.66	2.75	2.85	2.95	3.19
08-00239-06230			3	0.5	0.56	15°	4	35	6,700	3.17	3.28	3.4	3.53	3.81
08-00239-06410		R0.05	1	0.5	0.56	15°	4	35	6,700	1.1	1.14	1.18	1.22	1.32
◆ 08-00239-06415			1.5	0.5	0.56	15°	4	35	6,700	1.62	1.68	1.73	1.8	1.94
08-00239-06420			2	0.5	0.56	15°	4	35	6,700	2.14	2.21	2.29	2.37	2.56
◆ 08-00239-06425			2.5	0.5	0.56	15°	4	35	6,700	2.65	2.75	2.84	2.95	3.18
08-00239-06430			3	0.5	0.56	15°	4	35	6,700	3.17	3.28	3.4	3.52	3.81
08-00239-06510		R0.1	1	0.5	0.56	15°	4	35	6,700	1.1	1.14	1.18	1.22	1.31
◆ 08-00239-06515			1.5	0.5	0.56	15°	4	35	6,700	1.62	1.67	1.73	1.79	1.93
08-00239-06520			2	0.5	0.56	15°	4	35	6,700	2.14	2.21	2.28	2.37	2.55
◆ 08-00239-06525			2.5	0.5	0.56	15°	4	35	6,700	2.65	2.74	2.84	2.94	3.17
08-00239-06530			3	0.5	0.56	15°	4	35	6,700	3.17	3.28	3.39	3.52	3.79
08-00239-08202	0.8	R0.02	2	0.65	0.76	15°	4	35	7,500	2.14	2.21	2.29	2.38	2.57
◆ 08-00239-08225			2.5	0.65	0.76	15°	4	35	7,500	2.66	2.75	2.85	2.95	3.19
08-00239-08203			3	0.65	0.76	15°	4	35	7,500	3.17	3.28	3.4	3.53	3.81
◆ 08-00239-08235			3.5	0.65	0.76	15°	4	35	7,500	3.69	3.82	3.95	4.1	4.43
08-00239-08204			4	0.65	0.76	15°	4	35	7,500	4.21	4.35	4.51	4.68	5.06

無限コーティングプレミアムPlus

高硬度鋼高精度加工用4枚刃ロングネックラジアスエンドミル 焼きばめチャック対応ショートシャンクタイプ

MUGEN COATING PREMIUM Plus 4-Flute Long Neck Corner Radius End Mill with Short Shank for Hardened Steel and High Accuracy Cutting

◆ 2025年12月発売 ※Release in Dec, 2025.

単位 [寸法 : mm / 価格 : 円]
Unit [Size : mm / Retail Price : JPY]

コードNo. Code No.	(D)外径 Dia.	(R)コーナ半径 Corner Radius	(ℓ ₁)首下長 Under Neck Length	(ℓ)刃長 Length of Cut	(d ₂)首下径 Neck Dia.	(γ)首角 Neck Taper Angle	(d)シャンク径 Shank Dia.	(L)全長 Overall Length	標準価格 Retail Price	ワーク勾配角に対する実有効長 Actual effective length depending on inclined angle of workpiece				
										30°	1°	1°30′	2°	3°
08-00239-08402	0.8	R0.05	2	0.65	0.76	15°	4	35	7,500	2.14	2.21	2.29	2.37	2.56
◆ 08-00239-08425			2.5	0.65	0.76	15°	4	35	7,500	2.65	2.75	2.84	2.95	3.18
08-00239-08403			3	0.65	0.76	15°	4	35	7,500	3.17	3.28	3.4	3.52	3.81
◆ 08-00239-08435			3.5	0.65	0.76	15°	4	35	7,500	3.69	3.82	3.95	4.1	4.43
08-00239-08404			4	0.65	0.76	15°	4	35	7,500	4.21	4.35	4.51	4.67	5.05
08-00239-08502		R0.1	2	0.65	0.76	15°	4	35	7,500	2.14	2.21	2.28	2.37	2.55
◆ 08-00239-08525			2.5	0.65	0.76	15°	4	35	7,500	2.65	2.74	2.84	2.94	3.17
08-00239-08503			3	0.65	0.76	15°	4	35	7,500	3.17	3.28	3.39	3.52	3.79
◆ 08-00239-08535			3.5	0.65	0.76	15°	4	35	7,500	3.69	3.81	3.95	4.09	4.42
08-00239-08504			4	0.65	0.76	15°	4	35	7,500	4.2	4.35	4.5	4.67	5.04
08-00239-08602		R0.2	2	0.65	0.76	15°	4	35	7,500	2.13	2.2	2.27	2.35	2.53
◆ 08-00239-08625			2.5	0.65	0.76	15°	4	35	7,500	2.65	2.74	2.83	2.93	3.15
08-00239-08603			3	0.65	0.76	15°	4	35	7,500	3.17	3.27	3.38	3.5	3.77
◆ 08-00239-08635			3.5	0.65	0.76	15°	4	35	7,500	3.68	3.8	3.94	4.08	4.39
08-00239-08604			4	0.65	0.76	15°	4	35	7,500	4.2	4.34	4.49	4.65	5.01
08-00239-10202	1	R0.02	2	0.8	0.95	15°	4	35	6,800	2.16	2.23	2.31	2.4	2.59
08-00239-10203			3	0.8	0.95	15°	4	35	6,800	3.19	3.3	3.42	3.55	3.84
08-00239-10204			4	0.8	0.95	15°	4	35	6,800	4.23	4.37	4.53	4.7	5.08
08-00239-10205			5	0.8	0.95	15°	4	40	6,800	5.26	5.44	5.64	5.85	6.32
08-00239-10402		R0.05	2	0.8	0.95	15°	4	35	6,800	2.16	2.23	2.31	2.39	2.59
08-00239-10403			3	0.8	0.95	15°	4	35	6,800	3.19	3.3	3.42	3.54	3.83
08-00239-10404			4	0.8	0.95	15°	4	35	6,800	4.22	4.37	4.53	4.69	5.07
08-00239-10405			5	0.8	0.95	15°	4	40	6,800	5.26	5.44	5.63	5.84	6.31
08-00239-10502		R0.1	2	0.8	0.95	15°	4	35	6,800	2.16	2.23	2.3	2.39	2.57
08-00239-10503			3	0.8	0.95	15°	4	35	6,800	3.19	3.3	3.41	3.54	3.82
08-00239-10504			4	0.8	0.95	15°	4	35	6,800	4.22	4.37	4.52	4.69	5.06
08-00239-10505			5	0.8	0.95	15°	4	40	6,800	5.26	5.44	5.63	5.84	6.3
08-00239-10602		R0.2	2	0.8	0.95	15°	4	35	6,800	2.15	2.22	2.29	2.37	2.55
08-00239-10603			3	0.8	0.95	15°	4	35	6,800	3.19	3.29	3.4	3.52	3.79
08-00239-10604			4	0.8	0.95	15°	4	35	6,800	4.22	4.36	4.51	4.67	5.04
08-00239-10605			5	0.8	0.95	15°	4	40	6,800	5.25	5.43	5.62	5.82	6.28
08-00239-10702		R0.3	2	0.8	0.95	15°	4	35	6,800	2.15	2.21	2.28	2.36	2.53
08-00239-10703			3	0.8	0.95	15°	4	35	6,800	3.18	3.28	3.39	3.51	3.77
08-00239-10704			4	0.8	0.95	15°	4	35	6,800	4.22	4.35	4.5	4.66	5.01
08-00239-10705			5	0.8	0.95	15°	4	40	6,800	5.25	5.42	5.61	5.81	6.26
08-00239-15203	1.5	R0.02	3	1.2	1.43	15°	4	35	7,100	3.23	3.34	3.46	3.59	3.88
08-00239-15204			4	1.2	1.43	15°	4	35	7,100	4.26	4.41	4.57	4.74	5.13
08-00239-15206			6	1.2	1.43	15°	4	40	7,100	6.33	6.55	6.79	7.04	7.61
08-00239-15208			8	1.2	1.43	15°	4	40	7,600	8.4	8.69	9	9.34	10.1
08-00239-15403		R0.05	3	1.2	1.43	15°	4	35	7,100	3.23	3.34	3.46	3.59	3.87
08-00239-15404			4	1.2	1.43	15°	4	35	7,100	4.26	4.41	4.57	4.74	5.12
08-00239-15406			6	1.2	1.43	15°	4	40	7,100	6.33	6.55	6.78	7.04	7.6
08-00239-15408			8	1.2	1.43	15°	4	40	7,600	8.4	8.69	9	9.34	10.09
08-00239-15503		R0.1	3	1.2	1.43	15°	4	35	7,100	3.23	3.34	3.45	3.58	3.86
08-00239-15504			4	1.2	1.43	15°	4	35	7,100	4.26	4.41	4.56	4.73	5.11
08-00239-15506			6	1.2	1.43	15°	4	40	7,100	6.33	6.55	6.78	7.03	7.59
08-00239-15508			8	1.2	1.43	15°	4	40	7,600	8.4	8.69	9	9.33	10.08
08-00239-15603		R0.2	3	1.2	1.43	15°	4	35	7,100	3.22	3.33	3.44	3.57	3.84
08-00239-15604			4	1.2	1.43	15°	4	35	7,100	4.26	4.4	4.55	4.72	5.08
08-00239-15606			6	1.2	1.43	15°	4	40	7,100	6.33	6.54	6.77	7.01	7.57
08-00239-15608			8	1.2	1.43	15°	4	40	7,600	8.39	8.68	8.98	9.31	10.06
08-00239-15703		R0.3	3	1.2	1.43	15°	4	35	7,100	3.22	3.32	3.43	3.55	3.82
08-00239-15704			4	1.2	1.43	15°	4	35	7,100	4.25	4.39	4.54	4.7	5.06
08-00239-15706			6	1.2	1.43	15°	4	40	7,100	6.32	6.53	6.76	7	7.55
08-00239-15708			8	1.2	1.43	15°	4	40	7,600	8.39	8.67	8.97	9.3	10.03
08-00239-15803		R0.5	3	1.2	1.43	15°	4	35	7,100	3.21	3.31	3.41	3.52	3.77
08-00239-15804			4	1.2	1.43	15°	4	35	7,100	4.25	4.38	4.52	4.67	5.01
08-00239-15806			6	1.2	1.43	15°	4	40	7,100	6.32	6.52	6.74	6.97	7.5
08-00239-15808			8	1.2	1.43	15°	4	40	7,600	8.38	8.66	8.95	9.27	9.98

オーダー方法
How to OrderMHRSH430RSF 外径(D)×コーナ半径(R)×首下長(ℓ₁)を指示してください。
When you order, indicate MHRSH430RSF (D)×(R)×(ℓ₁).※(γ)は参考値です。
※(γ) is reference value.

単位 [寸法 : mm / 価格 : 円]

Unit [Size : mm / Retail Price : JPY]

コードNo. Code No.	(D)外径 Dia.	(R)コーナ半径 Corner Radius	(ℓ ₁)首下長 Under Neck Length	(ℓ)刃長 Length of Cut	(d ₂)首下径 Neck Dia.	(γ)首角 Neck Taper Angle	(d)シャンク径 Shank Dia.	(L)全長 Overall Length	標準価格 Retail Price	ワーク勾配角に対する実有効長 Actual effective length depending on inclined angle of workpiece				
										30°	1°	1°30′	2°	3°
08-00239-20204	2	R0.02	4	1.6	1.91	15°	4	35	7,100	4.3	4.45	4.61	4.78	5.17
08-00239-20206			6	1.6	1.91	15°	4	35	7,100	6.37	6.59	6.83	7.08	7.66
08-00239-20208			8	1.6	1.91	15°	4	40	7,600	8.44	8.73	9.05	9.38	10.14
08-00239-20210			10	1.6	1.91	15°	4	40	7,600	10.5	10.87	11.26	11.68	12.63
08-00239-20404		R0.05	4	1.6	1.91	15°	4	35	7,100	4.3	4.45	4.61	4.78	5.16
08-00239-20406			6	1.6	1.91	15°	4	35	7,100	6.37	6.59	6.83	7.08	7.65
08-00239-20408			8	1.6	1.91	15°	4	40	7,600	8.44	8.73	9.04	9.38	10.14
08-00239-20410			10	1.6	1.91	15°	4	40	7,600	10.5	10.87	11.26	11.68	12.62
08-00239-20504		R0.1	4	1.6	1.91	15°	4	35	7,100	4.3	4.45	4.6	4.77	5.15
08-00239-20506			6	1.6	1.91	15°	4	35	7,100	6.37	6.59	6.82	7.07	7.64
08-00239-20508			8	1.6	1.91	15°	4	40	7,600	8.43	8.73	9.04	9.37	10.13
08-00239-20510			10	1.6	1.91	15°	4	40	7,600	10.5	10.86	11.25	11.67	12.61
08-00239-20604		R0.2	4	1.6	1.91	15°	4	35	7,100	4.3	4.44	4.59	4.76	5.13
08-00239-20606			6	1.6	1.91	15°	4	35	7,100	6.36	6.58	6.81	7.06	7.62
08-00239-20608			8	1.6	1.91	15°	4	40	7,600	8.43	8.72	9.03	9.36	10.1
08-00239-20610			10	1.6	1.91	15°	4	40	7,600	10.5	10.86	11.24	11.66	12.59
08-00239-20704		R0.3	4	1.6	1.91	15°	4	35	7,100	4.29	4.43	4.58	4.74	5.11
08-00239-20706			6	1.6	1.91	15°	4	35	7,100	6.36	6.57	6.8	7.04	7.59
08-00239-20708			8	1.6	1.91	15°	4	40	7,600	8.43	8.71	9.02	9.34	10.08
08-00239-20710			10	1.6	1.91	15°	4	40	7,600	10.5	10.85	11.23	11.64	12.56
08-00239-20804		R0.5	4	1.6	1.91	15°	4	35	7,100	4.29	4.42	4.56	4.71	5.06
08-00239-20806			6	1.6	1.91	15°	4	35	7,100	6.35	6.56	6.78	7.01	7.54
08-00239-20808			8	1.6	1.91	15°	4	40	7,600	8.42	8.7	8.99	9.31	10.03
08-00239-20810			10	1.6	1.91	15°	4	40	7,600	10.49	10.84	11.21	11.61	12.52
◆ 08-00239-25406	2.5	R0.05	6	2	2.39	15°	4	35	7,700	6.41	6.63	6.87	7.12	7.7
◆ 08-00239-25408			8	2	2.39	15°	4	40	8,100	8.47	8.77	9.08	9.42	10.18
◆ 08-00239-25410			10	2	2.39	15°	4	40	8,100	10.54	10.91	11.3	11.72	12.67
◆ 08-00239-25412			12	2	2.39	15°	4	40	8,100	12.61	13.05	13.52	14.02	Free
◆ 08-00239-25506		R0.1	6	2	2.39	15°	4	35	7,700	6.41	6.63	6.86	7.12	7.69
◆ 08-00239-25508			8	2	2.39	15°	4	40	8,100	8.47	8.77	9.08	9.42	10.17
◆ 08-00239-25510			10	2	2.39	15°	4	40	8,100	10.54	10.9	11.29	11.71	12.66
◆ 08-00239-25512			12	2	2.39	15°	4	40	8,100	12.61	13.04	13.51	14.01	Free
◆ 08-00239-25606		R0.2	6	2	2.39	15°	4	35	7,700	6.4	6.62	6.85	7.1	7.66
◆ 08-00239-25608			8	2	2.39	15°	4	40	8,100	8.47	8.76	9.07	9.4	10.15
◆ 08-00239-25610			10	2	2.39	15°	4	40	8,100	10.54	10.9	11.28	11.7	12.63
◆ 08-00239-25612			12	2	2.39	15°	4	40	8,100	12.6	13.04	13.5	14	Free
◆ 08-00239-25706		R0.3	6	2	2.39	15°	4	35	7,700	6.4	6.61	6.84	7.09	7.64
◆ 08-00239-25708			8	2	2.39	15°	4	40	8,100	8.47	8.75	9.06	9.39	10.12
◆ 08-00239-25710			10	2	2.39	15°	4	40	8,100	10.53	10.89	11.27	11.69	12.61
◆ 08-00239-25712			12	2	2.39	15°	4	40	8,100	12.6	13.03	13.49	13.99	Free
◆ 08-00239-25806		R0.5	6	2	2.39	15°	4	35	7,700	6.39	6.6	6.82	7.06	7.59
◆ 08-00239-25808			8	2	2.39	15°	4	40	8,100	8.46	8.74	9.04	9.36	10.08
◆ 08-00239-25810			10	2	2.39	15°	4	40	8,100	10.53	10.88	11.25	11.66	12.56
◆ 08-00239-25812			12	2	2.39	15°	4	40	8,100	12.59	13.02	13.47	13.96	Free
08-00239-30404	3	R0.05	4	2.5	2.85	15°	6	45	7,900	4.42	4.57	4.73	4.91	5.3
08-00239-30406			6	2.5	2.85	15°	6	45	7,900	6.48	6.71	6.95	7.21	7.79
08-00239-30408			8	2.5	2.85	15°	6	45	7,900	8.55	8.85	9.17	9.51	10.28
08-00239-30410			10	2.5	2.85	15°	6	50	8,800	10.62	10.99	11.38	11.81	12.76
08-00239-30412			12	2.5	2.85	15°	6	50	8,800	12.69	13.13	13.6	14.11	15.25
08-00239-30415			15	2.5	2.85	15°	6	55	9,700	15.79	16.34	16.92	17.56	18.98
08-00239-30504		R0.1	4	2.5	2.85	15°	6	45	7,900	4.42	4.57	4.73	4.9	5.29
08-00239-30506			6	2.5	2.85	15°	6	45	7,900	6.48	6.71	6.94	7.2	7.78
08-00239-30508			8	2.5	2.85	15°	6	45	7,900	8.55	8.84	9.16	9.5	10.26
08-00239-30510			10	2.5	2.85	15°	6	50	8,800	10.62	10.98	11.38	11.8	12.75
08-00239-30512			12	2.5	2.85	15°	6	50	8,800	12.68	13.12	13.59	14.1	15.24
08-00239-30515			15	2.5	2.85	15°	6	55	9,700	15.79	16.33	16.92	17.55	18.97
08-00239-30604		R0.2	4	2.5	2.85	15°	6	45	7,900	4.41	4.56	4.72	4.89	5.27
08-00239-30606			6	2.5	2.85	15°	6	45	7,900	6.48	6.7	6.93	7.19	7.75
08-00239-30608			8	2.5	2.85	15°	6	45	7,900	8.55	8.84	9.15	9.49	10.24
08-00239-30610			10	2.5	2.85	15°	6	50	8,800	10.61	10.98	11.37	11.79	12.73
08-00239-30612			12	2.5	2.85	15°	6	50	8,800	12.68	13.12	13.58	14.09	15.21
08-00239-30615			15	2.5	2.85	15°	6	55	9,700	15.78	16.33	16.91	17.54	18.94

無限コーティングプレミアムPlus

高硬度鋼高精度加工用4枚刃ロングネックラジアスエンドミル 焼きばめチャック対応ショートシャンクタイプ

MUGEN COATING PREMIUM Plus 4-Flute Long Neck Corner Radius End Mill with Short Shank for Hardened Steel and High Accuracy Cutting

◆ 2025年12月発売 ※Release in Dec, 2025.

単位 [寸法 : mm / 価格 : 円]
Unit [Size : mm / Retail Price : JPY]

コードNo. Code No.	(D)外径 Dia.	(R)コーナ半径 Corner Radius	(ℓ ₁)首下長 Under Neck Length	(ℓ)刃長 Length of Cut	(d ₂)首下径 Neck Dia.	(γ)首角 Neck Taper Angle	(d)シャンク径 Shank Dia.	(L)全長 Overall Length	標準価格 Retail Price	ワーク勾配角に対する実有効長 Actual effective length depending on inclined angle of workpiece				
										30°	1°	1°30′	2°	3°
08-00239-30704	3	R0.3	4	2.5	2.85	15°	6	45	7,900	4.41	4.55	4.71	4.87	5.24
08-00239-30706			6	2.5	2.85	15°	6	45	7,900	6.48	6.69	6.92	7.17	7.73
08-00239-30708			8	2.5	2.85	15°	6	45	7,900	8.54	8.83	9.14	9.47	10.22
08-00239-30710			10	2.5	2.85	15°	6	50	8,800	10.61	10.97	11.36	11.77	12.7
08-00239-30712			12	2.5	2.85	15°	6	50	8,800	12.68	13.11	13.57	14.07	15.19
08-00239-30715			15	2.5	2.85	15°	6	55	9,700	15.78	16.32	16.9	17.52	18.92
08-00239-30804		R0.5	4	2.5	2.85	15°	6	45	7,900	4.4	4.54	4.69	4.84	5.2
08-00239-30806			6	2.5	2.85	15°	6	45	7,900	6.47	6.68	6.9	7.14	7.68
08-00239-30808			8	2.5	2.85	15°	6	45	7,900	8.54	8.82	9.12	9.44	10.17
08-00239-30810			10	2.5	2.85	15°	6	50	8,800	10.6	10.96	11.33	11.74	12.66
08-00239-30812			12	2.5	2.85	15°	6	50	8,800	12.67	13.1	13.55	14.04	15.14
08-00239-30815			15	2.5	2.85	15°	6	55	9,700	15.77	16.31	16.88	17.49	18.87
◆ 08-00239-40408	4	R0.05	8	3.2	3.8	15°	6	45	10,800	8.65	8.95	9.27	9.62	10.39
◆ 08-00239-40412			12	3.2	3.8	15°	6	50	10,800	12.78	13.23	13.7	14.22	15.36
◆ 08-00239-40416			16	3.2	3.8	15°	6	55	10,800	16.92	17.51	18.14	18.81	Free
◆ 08-00239-40420			20	3.2	3.8	15°	6	55	12,100	21.05	21.78	22.57	23.41	Free
08-00239-40508		R0.1	8	3.2	3.8	15°	6	45	10,800	8.65	8.94	9.26	9.61	10.38
08-00239-40512			12	3.2	3.8	15°	6	50	10,800	12.78	13.22	13.7	14.21	15.35
08-00239-40516			16	3.2	3.8	15°	6	55	10,800	16.92	17.5	18.13	18.81	Free
08-00239-40520			20	3.2	3.8	15°	6	55	12,100	21.05	21.78	22.56	23.41	Free
08-00239-40608		R0.2	8	3.2	3.8	15°	6	45	10,800	8.64	8.94	9.25	9.59	10.36
08-00239-40612			12	3.2	3.8	15°	6	50	10,800	12.78	13.22	13.69	14.19	15.33
08-00239-40616			16	3.2	3.8	15°	6	55	10,800	16.91	17.5	18.12	18.79	Free
08-00239-40620			20	3.2	3.8	15°	6	55	12,100	21.05	21.77	22.55	23.39	Free
08-00239-40708		R0.3	8	3.2	3.8	15°	6	45	10,800	8.64	8.93	9.24	9.58	10.33
08-00239-40712			12	3.2	3.8	15°	6	50	10,800	12.77	13.21	13.68	14.18	15.31
08-00239-40716			16	3.2	3.8	15°	6	55	10,800	16.91	17.49	18.11	18.78	Free
08-00239-40720			20	3.2	3.8	15°	6	55	12,100	21.04	21.77	22.54	23.38	Free
08-00239-40808		R0.5	8	3.2	3.8	15°	6	45	10,800	8.63	8.92	9.22	9.55	10.29
08-00239-40812			12	3.2	3.8	15°	6	50	10,800	12.77	13.2	13.65	14.15	15.26
08-00239-40816			16	3.2	3.8	15°	6	55	10,800	16.9	17.47	18.09	18.75	Free
08-00239-40820			20	3.2	3.8	15°	6	55	12,100	21.04	21.75	22.52	23.35	Free
08-00239-50515	5	R0.1	15	4	4.75	15°	6	50	15,200	15.98	16.53	17.13	Free	Free
08-00239-50520			20	4	4.75	15°	6	55	15,200	21.15	21.88	Free	Free	Free
◆ 08-00239-50525			25	4	4.75	15°	6	55	15,200	26.32	27.23	Free	Free	Free
08-00239-50615		R0.2	15	4	4.75	15°	6	50	15,200	15.98	16.53	17.12	Free	Free
08-00239-50620			20	4	4.75	15°	6	55	15,200	21.14	21.87	Free	Free	Free
◆ 08-00239-50625			25	4	4.75	15°	6	55	15,200	26.31	27.22	Free	Free	Free
08-00239-50715		R0.3	15	4	4.75	15°	6	50	15,200	15.97	16.52	17.1	Free	Free
08-00239-50720			20	4	4.75	15°	6	55	15,200	21.14	21.87	Free	Free	Free
◆ 08-00239-50725			25	4	4.75	15°	6	55	15,200	26.31	27.22	Free	Free	Free
08-00239-50815		R0.5	15	4	4.75	15°	6	50	15,200	15.97	16.5	17.08	Free	Free
08-00239-50820			20	4	4.75	15°	6	55	15,200	21.13	21.85	Free	Free	Free
◆ 08-00239-50825			25	4	4.75	15°	6	55	15,200	26.3	27.2	Free	Free	Free
08-00239-60512	6	R0.1	12	5	5.7	-	6	45	11,000	Free	Free	Free	Free	Free
08-00239-60518			18	5	5.7	-	6	50	13,600	Free	Free	Free	Free	Free
08-00239-60524			24	5	5.7	-	6	60	13,600	Free	Free	Free	Free	Free
08-00239-60530			30	5	5.7	-	6	65	13,600	Free	Free	Free	Free	Free
08-00239-60612		R0.2	12	5	5.7	-	6	45	11,000	Free	Free	Free	Free	Free
08-00239-60618			18	5	5.7	-	6	50	13,600	Free	Free	Free	Free	Free
08-00239-60624			24	5	5.7	-	6	60	13,600	Free	Free	Free	Free	Free
08-00239-60630			30	5	5.7	-	6	65	13,600	Free	Free	Free	Free	Free
08-00239-60712		R0.3	12	5	5.7	-	6	45	11,000	Free	Free	Free	Free	Free
08-00239-60718			18	5	5.7	-	6	50	13,600	Free	Free	Free	Free	Free
08-00239-60724			24	5	5.7	-	6	60	13,600	Free	Free	Free	Free	Free
08-00239-60730			30	5	5.7	-	6	65	13,600	Free	Free	Free	Free	Free
08-00239-60812		R0.5	12	5	5.7	-	6	45	11,000	Free	Free	Free	Free	Free
08-00239-60818			18	5	5.7	-	6	50	13,600	Free	Free	Free	Free	Free
08-00239-60824			24	5	5.7	-	6	60	13,600	Free	Free	Free	Free	Free
08-00239-60830			30	5	5.7	-	6	65	13,600	Free	Free	Free	Free	Free
08-00239-60912		R1	12	5	5.7	-	6	45	11,000	Free	Free	Free	Free	Free
08-00239-60918			18	5	5.7	-	6	50	13,600	Free	Free	Free	Free	Free
08-00239-60924			24	5	5.7	-	6	60	13,600	Free	Free	Free	Free	Free
08-00239-60930			30	5	5.7	-	6	65	13,600	Free	Free	Free	Free	Free

オーダー方法 How to Order

MHRSH430RSF 外径(D)×コーナ半径(R)×首下長(ℓ₁)を指示してください。
When you order, indicate MHRSH430RSF (D)×(R)×(ℓ₁).

※(γ)は参考値です。
※(γ) is reference value.