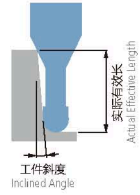
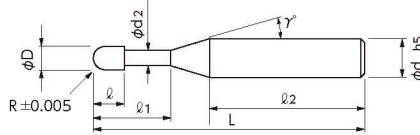


MRB230SF

无限涂层 短柄型长颈球头铣刀 (热装刀柄用)

MUGEN-COATING 2-Flute Long Neck Ball End Mill with Short Shank



- 短柄型 (热装式刀柄) 的长颈球头铣刀。
- It fits for shrink chuck system.



加工材料 Work Material

碳素钢 Carbon Steels	合金钢·工具钢 Alloy Steels· Tool Steels	预硬钢·调质钢 Prehardened Steels	淬火钢 Hardened Steels		不锈钢 Stainless Steels	钛合金 Titanium Alloy	铝合金 Aluminum	铜合金 Copper	树脂 Plastic
			~55HRC	55HRC~					
◎	◎	◎	◎	◎	◎	○	◎	◎	◎

单位 [规格: mm / 价格: 日元] Unit [size: mm / Retail Price: JPY]

产品代码 Code No.	(R)球头半径 Radius	(L1)有效长 Effective Length	(L)刃长 Length of Cut	(D)刃径 Dia.	(d2)颈径 Neck Dia.	(γ)颈角 Neck Taper Angle	(d)柄径 Shank Dia.	(L2)柄长 Shank Length	(L)全长 Overall Length	定价(日元) Retail Price	相对于工件斜度的有效长 Actual effective length depending on inclined angle of workpiece.				
											30°	1°	1° 30'	2°	3°
											08-00525-00103	R0.1	0.5	0.15	0.2
08-00525-00105	0.75	0.15	0.2	0.18	15°	4	27.1	35	8,400	0.81	0.83		0.86	0.89	0.95
08-00525-00107	1	0.15	0.2	0.18	15°	4	26.8	35	8,400	1.06	1.10		1.13	1.17	1.26
08-00525-00109	1.25	0.15	0.2	0.18	15°	4	26.6	35	9,100	1.32	1.37		1.41	1.46	1.57
08-00525-00151	R0.15	0.5	0.2	0.3	0.28	15°	4	27.5	35	8,200	0.55	0.56	0.57	0.59	0.63
08-00525-00152		0.6	0.2	0.3	0.28	15°	4	27.4	35	8,200	0.65	0.67	0.69	0.71	0.75
08-00525-00153		0.75	0.2	0.3	0.28	15°	4	27.3	35	8,200	0.80	0.83	0.85	0.88	0.94
08-00525-00154		1	0.2	0.3	0.28	15°	4	27	35	8,200	1.06	1.09	1.13	1.17	1.25
08-00525-00155		1.25	0.2	0.3	0.28	15°	4	26.8	35	8,200	1.32	1.36	1.41	1.45	1.56
08-00525-00156		1.5	0.2	0.3	0.28	15°	4	26.5	35	8,800	1.58	1.63	1.68	1.74	1.87
08-00525-00157		1.75	0.2	0.3	0.28	15°	4	26.3	35	8,800	1.84	1.90	1.96	2.03	2.18
08-00525-00202	R0.2	0.75	0.3	0.4	0.37	15°	4	27.4	35	5,600	0.82	0.84	0.87	0.89	0.95
08-00525-00203		1	0.3	0.4	0.37	15°	4	27.2	35	5,600	1.08	1.11	1.14	1.18	1.26
08-00525-00204		1.5	0.3	0.4	0.37	15°	4	26.7	35	5,700	1.60	1.65	1.70	1.75	1.88
08-00525-00205		2	0.3	0.4	0.37	15°	4	26.2	35	5,900	2.11	2.18	2.25	2.33	2.50
08-00525-00206		2.5	0.3	0.4	0.37	15°	4	25.7	35	6,100	2.63	2.72	2.81	2.90	3.13
08-00525-00251	R0.25	1	0.35	0.5	0.46	15°	4	27.3	35	5,600	1.10	1.13	1.16	1.19	1.27
08-00525-00252		1.5	0.35	0.5	0.46	15°	4	26.8	35	5,600	1.61	1.66	1.71	1.77	1.89
08-00525-00253		2	0.35	0.5	0.46	15°	4	26.3	35	5,600	2.13	2.20	2.27	2.34	2.51
08-00525-00254		2.5	0.35	0.5	0.46	15°	4	25.8	35	5,600	2.65	2.73	2.82	2.92	3.14
08-00525-00255		3	0.35	0.5	0.46	15°	4	25.3	35	5,600	3.16	3.27	3.38	3.49	3.76
08-00525-00301	R0.3	1.5	0.45	0.6	0.56	15°	4	27	35	4,300	1.61	1.66	1.71	1.76	1.88
08-00525-00302		2	0.45	0.6	0.56	15°	4	26.5	35	4,300	2.13	2.19	2.26	2.34	2.50
08-00525-00303		2.5	0.45	0.6	0.56	15°	4	26	35	4,400	2.65	2.73	2.82	2.91	3.12
08-00525-00304		3	0.45	0.6	0.56	15°	4	25.5	35	4,400	3.16	3.26	3.37	3.49	3.75
08-00525-00305		3.5	0.45	0.6	0.56	15°	4	25	35	4,600	3.68	3.80	3.92	4.06	4.37
08-00525-00306		4	0.45	0.6	0.56	15°	4	29.5	40	4,600	4.20	4.33	4.48	4.64	4.99
08-00525-00307		4.5	0.45	0.6	0.56	15°	4	29	40	4,600	4.71	4.87	5.03	5.21	5.61
08-00525-00308		5	0.45	0.6	0.56	15°	4	28.5	40	4,600	5.23	5.40	5.59	5.79	6.23
08-00525-00309		5.5	0.45	0.6	0.56	15°	4	28	40	4,600	5.75	5.94	6.14	6.36	6.85
08-00525-00310		6	0.45	0.6	0.56	15°	4	27.5	40	4,600	6.26	6.47	6.70	6.94	7.48

订购方法

请指定MRB230SF 球头半径(R)×有效长(L1)。
When you order, indicate MRB230SF (R)×(L1).

※(γ)为参考值。
※(γ) is reference value.

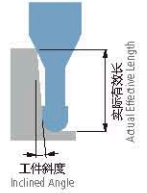
● 切削参数表记载于第E-033页

● Recommended Milling Conditions are shown on page E-033.

CBN铣刀 Cubic Boron Nitride	PC·D铣削 PCD-Monocrystal	钻石铣刀 Diamond	平底铣刀 Square	长颈球头 铣刀 Long Neck Square Ball End Mill	球头铣刀 Ball End Mill	圆鼻铣刀 Radius	锥形铣刀 Taper Ball End Mill	钻头 Drilling	螺纹铣刀 Thread milling	倒角刀 Chamfering
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MRB230SF

无限涂层 短柄型长颈球头铣刀 (热装刀柄用)
MUGEN-COATING 2-Flute Long Neck Ball End Mill with Short Shank



- CBN铣刀
Cubic Boron Nitride
- 钻石铣刀
Diamond
- 涂层
Coating
- 平底铣刀
Square
- 涂层
Coating
- 长颈平底铣刀
Long Neck Square
- 无涂层
Non-Coating
- 球头铣刀
Ball
- 涂层
Coating
- 长颈球头铣刀
Long Neck Ball
- 无涂层
Non-Coating
- 圆鼻铣刀
Radius
- 涂层
Coating
- 长颈圆鼻铣刀
Long Neck Radius
- 无涂层
Non-Coating
- 锥形铣刀
Taper
- 涂层
Coating
- 锥形球头铣刀
Taper Ball
- 无涂层
Non-Coating
- 锥形圆鼻铣刀
Taper Radius
- 钻头
Drilling
- 螺纹铣刀
Thread Milling
- 倒角刀
Chamfering

单位 [规格: mm / 价格: 日元] Unit [size: mm / Retail Price: JPY]

产品代码 Code No.	(R)球头半径 Radius	(l1)有效长 Effective length	(l)刃长 Length of Cut	(D)刃径 Dia.	(d2)颈径 Neck Dia.	(γ)倾角 Rake Angle	(d)柄径 Shank Dia.	(l2)柄长 Shank Length	(L)全长 Overall Length	定价(日元) Retail Price	相对于工件斜度的有效长 Actual effective length depending on inclined angle of workpiece				
											30°	1°	1° 30'	2°	3°
08-00525-00401	R0.4	2	0.6	0.8	0.76	15°	4	26.9	35	4300	2.13	2.19	2.25	2.32	2.48
08-00525-00402		3	0.6	0.8	0.76	15°	4	25.9	35	4600	3.16	3.26	3.36	3.47	3.72
08-00525-00403		4	0.6	0.8	0.76	15°	4	29.9	40	4600	4.19	4.33	4.47	4.62	4.97
08-00525-00404		5	0.6	0.8	0.76	15°	4	28.9	40	4600	5.23	5.40	5.58	5.77	6.21
08-00525-00501	R0.5	3	0.75	1	0.95	15°	4	26.3	35	3600	3.18	3.27	3.37	3.48	3.72
08-00525-00502		4	0.75	1	0.95	15°	4	25.3	35	4100	4.21	4.34	4.48	4.63	4.97
08-00525-00503		5	0.75	1	0.95	15°	4	29.3	40	4100	5.24	5.41	5.59	5.78	6.21
08-00525-00504		6	0.75	1	0.95	15°	4	28.3	40	4400	6.28	6.48	6.69	6.93	7.45
08-00525-00505		8	0.75	1	0.95	15°	4	26.3	40	4400	8.34	8.62	8.91	9.23	9.94
08-00525-00506		10	0.75	1	0.95	15°	4	24.3	40	4400	10.41	10.76	11.13	11.53	12.42
08-00525-00751	R0.75	3	1.1	1.5	1.45	15°	4	27.2	35	4200	3.17	3.25	3.34	3.44	3.66
08-00525-00752		4	1.1	1.5	1.45	15°	4	26.2	35	4200	4.20	4.32	4.45	4.59	4.91
08-00525-00754		6	1.1	1.5	1.45	15°	4	29.2	40	4200	6.27	6.46	6.67	6.89	7.39
08-00525-00755		8	1.1	1.5	1.45	15°	4	27.2	40	4200	8.34	8.60	8.88	9.19	9.88
08-00525-00756		10	1.1	1.5	1.45	15°	4	25.2	40	4200	10.40	10.74	11.10	11.49	12.36
08-00525-01001	R1	3	1.5	2	1.94	15°	4	28.1	35	3600	3.18	3.25	3.34	3.43	3.63
08-00525-01002		4	1.5	2	1.94	15°	4	27.1	35	3600	4.21	4.32	4.45	4.58	4.87
08-00525-01003		6	1.5	2	1.94	15°	4	25.1	35	4100	6.28	6.46	6.66	6.88	7.36
08-00525-01004		8	1.5	2	1.94	15°	4	28.1	40	4400	8.35	8.60	8.88	9.18	9.84
08-00525-01005		10	1.5	2	1.94	15°	4	26.1	40	4400	10.41	10.74	11.10	11.48	12.33
08-00525-01006		12	1.5	2	1.94	15°	4	29.1	45	4400	12.48	12.88	13.31	13.77	14.82
08-00525-01007		14	1.5	2	1.94	15°	4	27.1	45	4400	14.55	15.02	15.53	16.07	17.30
08-00525-01008		16	1.5	2	1.94	15°	4	25.1	45	4400	16.62	17.16	17.75	18.37	19.79
08-00525-01009		18	1.5	2	1.94	15°	4	28.1	50	4400	18.68	19.30	19.96	20.67	Free
08-00525-01010		20	1.5	2	1.94	15°	4	26.1	50	4400	20.75	21.44	22.18	22.97	Free
08-00525-01501	R1.5	6	2.5	3	2.85	15°	4	31.8	40	4100	6.44	6.61	6.79	7.00	7.45
08-00525-01502		8	2.5	3	2.85	15°	4	29.8	40	4100	8.50	8.75	9.01	9.29	9.93
08-00525-01503		10	2.5	3	2.85	15°	4	27.8	40	4400	10.57	10.89	11.23	11.59	Free
08-00525-01504		12	2.5	3	2.85	15°	4	25.8	40	4400	12.64	13.03	13.44	13.89	Free

订购方法 请指定MRB230SF 球头半径(R)×有效长(l1)。 ※(γ)为参考值。
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