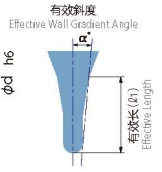
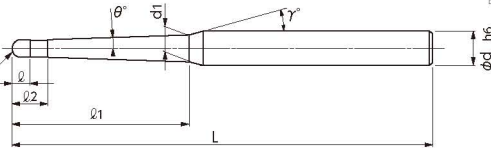


MRBTN345

无限白金涂层 长颈锥形3刃球头铣刀

MUGEN-COATING PREMIUM 3-Flute Long Taper Neck Ball End Mill



技术资料

K-020

- 颈部为锥形设计，与传统长颈型刀具相比刚性更高。
- 采用耐热性优异的无限白金涂层，即使加工高硬度材质也能保持长寿命。
- 采用NS独创的3刃形，实现高效加工。
- Higher rigidity brought by taper neck than existing long neck.
- MUGEN-COATING PREMIUM because of high heat resistance, realized long tool life for hardened steels.
- High effective machining achieved by NS original 3-flute design.

硬质合金
MG

无限
白金涂层

3

螺旋角
45

~68
HRC

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	淬硬钢 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~					
○	○	○	○	○	○	○	○	○	○

★返修对应（详情请咨询本公司。）

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	(θ)颈角 Neck Taper Angle	(L1)有效长 Effective Length	(d1)颈径 Neck Dia.	(L)刃长 Length of Cut	(L2)颈长 Under Neck Taper Length	(γ)颈角2 Neck Taper Angle 2	(α)有效斜度 Effective Wall Gradient Angle	(d)柄径 Shank Dia.	(L)全长 Overall Length	定价(日元) Retail Price
08-00590-05020	R0.5	30°	12	1.11	0.75	1.25	12°	0° 15'	6	60	7,400
08-00590-05021			16	1.18	0.75	1.25	12°	0° 19'	6	60	7,400
08-00590-05022			20	1.25	0.75	1.25	12°	0° 21'	6	70	9,400
08-00590-05023			25	1.34	0.75	1.25	12°	0° 23'	6	70	9,900
08-00590-05024			30	1.42	0.75	1.25	12°	0° 24'	6	70	10,400
08-00590-05030		1°	12	1.30	0.75	1.25	12°	0° 42'	6	60	7,400
08-00590-05031			16	1.44	0.75	1.25	12°	0° 46'	6	60	7,400
08-00590-05032			20	1.58	0.75	1.25	12°	0° 49'	6	70	9,400
08-00590-05033			25	1.75	0.75	1.25	12°	0° 51'	6	70	9,900
08-00590-05034			30	1.93	0.75	1.25	12°	0° 53'	6	70	10,400
08-00590-05040		1° 30'	12	1.48	0.75	1.25	12°	1° 09'	6	60	7,400
08-00590-05041			16	1.69	0.75	1.25	12°	1° 14'	6	60	7,400
08-00590-05042			20	1.90	0.75	1.25	12°	1° 17'	6	70	9,400
08-00590-05043			25	2.17	0.75	1.25	12°	1° 20'	6	70	9,900
08-00590-05044			30	2.43	0.75	1.25	12°	1° 21'	6	70	10,400
08-00590-05050		2°	20	2.23	0.75	1.25	12°	1° 45'	6	70	9,400
08-00590-05051			30	2.93	0.75	1.25	12°	1° 50'	6	70	10,400
08-00590-07520	R0.75	30°	12	1.58	1.1	1.85	12°	0° 12'	6	60	7,800
08-00590-07521			16	1.65	1.1	1.85	12°	0° 16'	6	60	8,500
08-00590-07523			20	1.72	1.1	1.85	12°	0° 19'	6	70	8,500
08-00590-07524			25	1.81	1.1	1.85	12°	0° 21'	6	70	9,200
08-00590-07525			30	1.90	1.1	1.85	12°	0° 22'	6	70	9,200
08-00590-07530		1°	12	1.76	1.1	1.85	12°	0° 37'	6	60	7,800
08-00590-07531			16	1.90	1.1	1.85	12°	0° 43'	6	60	8,500
08-00590-07532			20	2.04	1.1	1.85	12°	0° 46'	6	70	8,500
08-00590-07533			25	2.22	1.1	1.85	12°	0° 49'	6	70	9,200
08-00590-07534			30	2.39	1.1	1.85	12°	0° 51'	6	70	9,200
08-00590-07540		1° 30'	20	2.36	1.1	1.85	12°	1° 13'	6	70	8,500
08-00590-07541			30	2.88	1.1	1.85	12°	1° 19'	6	70	9,200
08-00590-07552		2°	30	3.37	1.1	1.85	12°	1° 47'	6	70	9,200

订购方法

请指定MRBTN345 球头半径(R)×颈角(θ)×有效长(L1)。

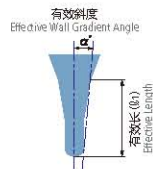
When you order, indicate MRBTN345 (R)×(θ)×(L1).

※(γ)为参考值。

※(γ) is reference value.

● 切削参数表记载于第E-058页

● Recommended Milling Conditions are shown on page E-058.



产品代码 Code No.	(R)球头半径 Radius	(θ)颈角 Neck Taper Angle	(L1)有效长 Effective Length	(d1)颈径 Neck Dia.	(L)刃长 Length of Cut	(L2)颈长 Under Neck Taper length	(γ)颈角2 Neck Taper Angle 2	(α)有效斜度 Effective Wall Gradient Angle	(d)柄径 Shank Dia.	(L)全长 Overall Length	定价(日元) Retail Price
08-00590-10020	R1	30°	12	2.06	1.5	2.5	12°	0° 08'	6	60	7,800
08-00590-10021			16	2.13	1.5	2.5	12°	0° 13'	6	60	8,000
08-00590-10022			20	2.20	1.5	2.5	12°	0° 16'	6	70	8,500
08-00590-10023			25	2.28	1.5	2.5	12°	0° 19'	6	70	9,400
08-00590-10024			30	2.37	1.5	2.5	12°	0° 21'	6	70	10,400
08-00590-10025			40	2.54	1.5	2.5	12°	0° 23'	6	80	12,200
08-00590-10030		1°	12	2.22	1.5	2.5	12°	0° 31'	6	60	7,800
08-00590-10031			16	2.36	1.5	2.5	12°	0° 38'	6	60	8,000
08-00590-10032			20	2.50	1.5	2.5	12°	0° 43'	6	70	8,500
08-00590-10033			25	2.68	1.5	2.5	12°	0° 46'	6	70	9,400
08-00590-10034			30	2.85	1.5	2.5	12°	0° 48'	6	70	10,400
08-00590-10035			40	3.20	1.5	2.5	12°	0° 51'	6	80	12,900
08-00590-10040		1°30'	20	2.81	1.5	2.5	12°	1° 09'	6	70	8,500
08-00590-10041			25	3.07	1.5	2.5	12°	1° 13'	6	70	10,200
08-00590-10042			30	3.33	1.5	2.5	12°	1° 16'	6	70	11,700
08-00590-10043			40	3.85	1.5	2.5	12°	1° 19'	6	80	13,000
08-00590-10050		2°	20	3.11	1.5	2.5	12°	1° 35'	6	70	8,500
08-00590-10051			25	3.46	1.5	2.5	12°	1° 40'	6	70	10,200
08-00590-10052			30	3.81	1.5	2.5	12°	1° 43'	6	70	11,700
08-00590-10053			40	4.51	1.5	2.5	12°	1° 47'	6	80	13,000
★ 08-00590-15020	R1.5	30°	15	3.16	4.5	6	12°	0° 18'	6	70	9,400
★ 08-00590-15021			20	3.24	4.5	6	12°	0° 21'	6	70	9,600
★ 08-00590-15022			25	3.33	4.5	6	12°	0° 22'	6	70	10,200
★ 08-00590-15023			30	3.42	4.5	6	12°	0° 24'	6	70	11,700
★ 08-00590-15024			40	3.59	4.5	6	12°	0° 25'	6	80	13,000
★ 08-00590-15030		1°	15	3.31	4.5	6	12°	0° 36'	6	70	9,400
★ 08-00590-15031			20	3.49	4.5	6	12°	0° 42'	6	70	9,600
★ 08-00590-15032			25	3.66	4.5	6	12°	0° 45'	6	70	10,200
★ 08-00590-15033			30	3.84	4.5	6	12°	0° 48'	6	70	11,700
★ 08-00590-15034			40	4.19	4.5	6	12°	0° 51'	6	80	13,000
★ 08-00590-15040		1°30'	30	4.26	4.5	6	12°	1° 12'	6	70	11,700
★ 08-00590-15041			40	4.78	4.5	6	12°	1° 16'	6	80	13,000
★ 08-00590-15042			50	5.30	4.5	6	12°	1° 19'	6	100	15,100
★ 08-00590-15050		2°	30	4.68	4.5	6	12°	1° 36'	6	70	11,700
★ 08-00590-15051			40	5.37	4.5	6	12°	1° 42'	6	80	13,000
★ 08-00590-20031	R2	1°	30	4.77	6	8	12°	0° 44'	6	80	11,700
★ 08-00590-20032			40	5.12	6	8	12°	0° 48'	6	80	14,700
★ 08-00590-20033			50	5.47	6	8	12°	0° 50'	6	100	17,500
★ 08-00590-20034			65.2	—	6	8	—	0° 53'	6	110	18,800

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