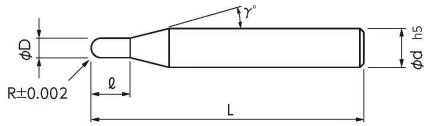


MSB230G2

无限涂层 超高精度加工用 球头铣刀
MUGEN-COATING Profit Ball End Mill



- 超高精度！R精度±2μm
- 经过优化之后的无限涂层可确保长时间持续进行高精度的加工。
- Utmost accuracy！R-tolerance：±2μm
- Improved MUGEN-COATING guarantees long-lasting machining.



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	
			~55HRC	55HRC~
◎	◎	◎	◎	
不锈钢 Stainless Steels	钛合金 Titanium Alloy	铝合金 Aluminum	铜合金 Copper	树脂 Plastic
◎	○	◎	◎	◎

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	(l)刃长 Length of Cut	(D)刃径 Dia.	(γ)颈角 Neck Taper Angle	(d)柄径 Shank Dia.	(L)全长 Overall Length	定价(日元) Retail Price
08-00505-00005	R0.05	0.1	0.1	15°	4	50	19,800
08-00505-00010	R0.1	0.2	0.2	15°	4	50	11,300
08-00505-00015	R0.15	0.3	0.3	15°	4	50	10,800
08-00505-00020	R0.2	0.6	0.4	15°	4	50	7,200
08-00505-00025	R0.25	0.8	0.5	15°	4	50	6,800
08-00505-00030	R0.3	0.9	0.6	15°	4	50	6,800
08-00505-00040	R0.4	1.2	0.8	15°	4	50	6,800
08-00505-00050	R0.5	1.5	1	15°	4	50	6,800
08-00505-00075	R0.75	2.3	1.5	15°	4	50	8,000
08-00505-00100	R1	3	2	9°	4	60	5,800
08-00505-00150	R1.5	5	3	9°	6	60	7,400
08-00505-00200	R2	6	4	9°	6	70	7,400
08-00505-00250	R2.5	8	5	9°	6	70	8,800
08-00505-00300	R3	10	6	-	6	80	9,400

订购方法

请指定MSB230G2 球头半径(R)。
When you order, indicate MSB230G2 (R).

※ (γ) 为参考值。

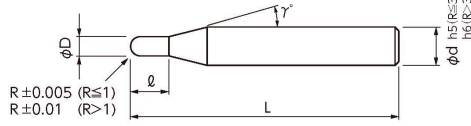
※ (γ) is reference value.

● 切削参数表记载于第E-012页

● Recommended Milling Conditions are shown on page E-012.

MSB230S

无限涂层 短刃型球头铣刀
MUGEN-COATING 2-Flute Short Flute Ball End Mill



- 采用高刚性设计，实现了无振刀高速加工。
- High rigid design reduced chatter in high speed cutting.



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	
			~55HRC	55HRC~
◎	◎	◎	◎	
不锈钢 Stainless Steels	钛合金 Titanium Alloy	铝合金 Aluminum	铜合金 Copper	树脂 Plastic
◎	○	◎	◎	◎

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	(l)刃长 Length of Cut	(D)刃径 Dia.	(γ)颈角 Neck Taper Angle	(d)柄径 Shank Dia.	(L)全长 Overall Length	定价(日元) Retail Price
08-00530-00010	R0.1	0.2	0.2	9°	4	50	9,500
08-00530-00015	R0.15	0.3	0.3	9°	4	50	7,800
08-00530-00020	R0.2	0.4	0.4	9°	4	50	5,800
08-00530-00025	R0.25	0.5	0.5	9°	4	50	5,500
08-00530-00030	R0.3	0.6	0.6	9°	4	50	5,500
08-00530-00035	R0.35	0.7	0.7	9°	4	50	5,900
08-00530-00040	R0.4	0.8	0.8	9°	4	50	5,200
08-00530-00045	R0.45	0.9	0.9	9°	4	50	5,900
08-00530-00050	R0.5	1	1	9°	4	50	4,900
08-00530-00060	R0.6	1.2	1.2	9°	4	50	5,700
08-00530-00070	R0.7	1.4	1.4	9°	4	50	5,700
08-00530-00075	R0.75	1.5	1.5	9°	4	50	5,700
08-00530-00080	R0.8	1.6	1.6	9°	4	50	5,700
08-00530-00090	R0.9	1.8	1.8	9°	4	50	5,900
08-00530-00100	R1	2	2	9°	4	60	4,300
08-00530-00125	R1.25	2.5	2.5	9°	4	60	6,500
08-00530-00150	R1.5	3	3	9°	4	60	5,700
08-00530-00175	R1.75	3.5	3.5	9°	4	60	7,300
08-00530-00200	R2	4	4	9°	6	60	5,000
08-00530-00250	R2.5	5	5	9°	6	70	5,800
08-00530-00300	R3	6	6	-	6	80	6,200
08-00530-00400	R4	8	8	-	8	90	8,700
08-00530-00500	R5	10	10	-	10	100	11,100
08-00530-00600	R6	12	12	-	12	110	17,200

订购方法

请指定MSB230S 球头半径(R)。
When you order, indicate MSB230S (R).

※ (γ) 为参考值。

※ (γ) is reference value.

● 切削参数表记载于第E-012页

● Recommended Milling Conditions are shown on page E-012.

CBN 铣刀
Cubic Boron Nitride

钻石铣刀
Diamond

平底铣刀
Square

长颈平底
Long Neck Square

球头铣刀
Ball

长颈球头
Long Neck Ball

圆鼻铣刀
Radius

长颈圆鼻
Long Neck Radius

锥形铣刀
Taper

锥形球头
Taper Ball

锥形圆鼻
Taper Radius

钻头
Drilling

螺纹铣刀
Thread milling

倒角刀
Chamfering