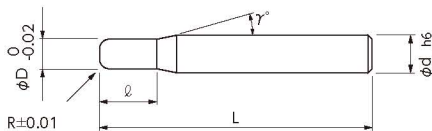


MHDH445R

高硬度材料用 4刃圆鼻铣刀
4-Flute Radius End Mill for Hardened Steel



- 在高硬度领域 (48-65HRC) 的长时间加工中可实现稳定的长寿命。
- 增大了螺旋角, 使得刀刃变得更锋利, 而且圆鼻形状可以抑制崩刃。
- Realized stably long tool life against high hardened steels (48~65HRC).
- Corner radius to prevent flute chipping, and high helix angle for cutting sharpness.



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

★ 返修对应。 单位 [规格: mm / 价格: 日元]
Unit [size: mm / Retail Price: JPY]

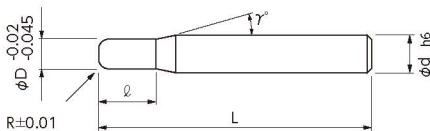
产品代码 Code No.	(R)球头半径 Radius	(L)刃长 Length of Cut	(R)角半径 Corner Radius	(γ)顶角 Nck Taper Angle	(d)柄径 Shank Dia.	(L)全长 Overall Length	定价(日元) Retail Price
★ 08-00437-03002	3	6	R0.2	12°	6	60	12,500
★ 08-00437-03003			R0.3				12,500
★ 08-00437-03005			R0.5				12,500
★ 08-00437-04002	4	8	R0.2	12°	6	60	13,500
★ 08-00437-04003			R0.3				13,500
★ 08-00437-04005			R0.5				13,500

订购方法 请指定MHDH445R 刃径(D)×刃长(L)×(R)角半径。
When you order, indicate MHDH445R (D)×(L)×(R).

- ※ (γ) 为参考值。
- ※ (γ) is reference value.
- 切削参数表记载于第F-004页
- Recommended Milling Conditions are shown on page F-004.

MHDH645R

高硬度材料用 6刃圆鼻铣刀
6-Flute Radius End Mill for Hardened Steel



- 在高硬度领域 (48-65HRC) 的长时间加工中可实现稳定的长寿命。
- 刃数多且螺旋角大, 刀刃变得更锋利, 而且圆鼻形状可以抑制崩刃。
- Realized stably long tool life against high hardened steels (48~65HRC).
- Corner radius to prevent flute chipping, and high helix angle for cutting sharpness.



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

★ 返修对应。 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	(R)角半径 Corner Radius	(γ)顶角 Nck Taper Angle	(d)柄径 Shank Dia.	(L)全长 Overall Length	定价(日元) Retail Price
★ 08-00438-05002	5	10	R0.2	12°	6	60	14,500
★ 08-00438-05003			R0.3				14,500
★ 08-00438-05005			R0.5				14,500
★ 08-00438-05010			R1				14,500
★ 08-00438-06002	6	12	R0.2	—	6	60	15,500
★ 08-00438-06003			R0.3				15,500
★ 08-00438-06005			R0.5				15,500
★ 08-00438-06010			R1				15,500
★ 08-00438-08003	8	16	R0.3	—	8	65	19,500
★ 08-00438-08005			R0.5				19,500
★ 08-00438-08010			R1				19,500
★ 08-00438-08015			R1.5				19,500
★ 08-00438-10003	10	20	R0.3	—	10	75	26,500
★ 08-00438-10005			R0.5				26,500
★ 08-00438-10010			R1				26,500
★ 08-00438-10015			R1.5				26,500
★ 08-00438-10020	12	24	R2	—	12	80	26,500
★ 08-00438-12005			R0.5				32,000
★ 08-00438-12010			R1				32,000
★ 08-00438-12015			R1.5				32,000
★ 08-00438-12020			R2				32,000

订购方法 请指定MHDH645R 刃径(D)×刃长(L)×(R)角半径。
When you order, indicate MHDH645R (D)×(L)×(R).

- ※ (γ) 为参考值。
- ※ (γ) is reference value.
- 切削参数表记载于第F-004页
- Recommended Milling Conditions are shown on page F-004.

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