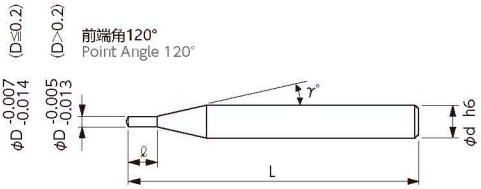
MDR-PD

无限涂层 小径定位钻头（底孔加工用）
MUGEN-COATING Point Drill (Drill for guide hole)



- 用于加工底孔的无限涂层小径钻头。同样可用于薄板的钻孔加工。
- 采用横刃修磨，提升了孔位置精度，实现稳定的孔加工。
- Aiming at guide hole for Mugen miniature drill. Also used for drilling on thin materials.
- Positioning of drill center is improved by web thinning which brings stable drilling.

钻孔 | 硬质合金 MG | 无限涂层 | 2 | 螺旋角 25

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	淬火钢 Hardened Steels 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.	(D)直径 Dia.	(ℓ)槽长 Flute Length	(γ)颈角 Neck Taper Angle	(d)柄径 Shank Dia.	(L)全长 Overall Length	定价(日元) Retail Price
04-00210-00100	0.1	0.2	15°	3	38	8,200
04-00210-00200	0.2	0.4	15°	3	38	7,400
04-00210-00300	0.3	0.6	15°	3	38	6,300
04-00210-00400	0.4	0.6	15°	3	38	6,300
04-00210-00500	0.5	1	15°	3	38	6,300
04-00210-00600	0.6	1	15°	3	38	6,300
04-00210-00700	0.7	1.2	15°	3	38	6,300
04-00210-00800	0.8	1.2	15°	3	38	6,300
04-00210-00900	0.9	1.8	15°	3	38	6,300
04-00210-01000	1	2	15°	3	38	6,300

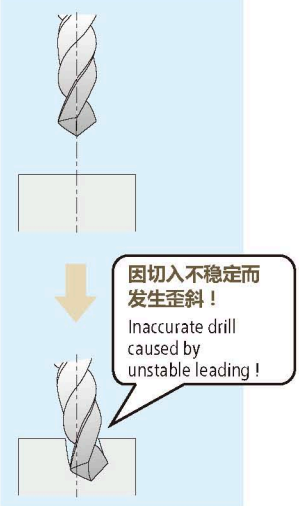
订购方法 请指定MDR-PD 直径(D)。
When you order, indicate MDR-PD (D).

※(γ)为参考值。
※(γ) is reference value.

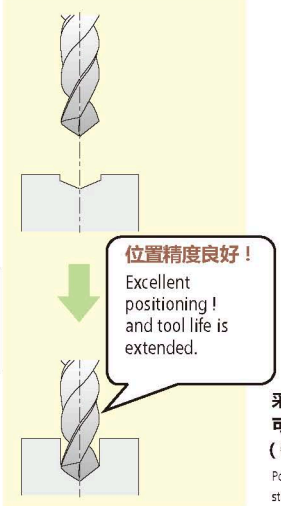
- 切削参数表记载于第H-016页
- Recommended Drilling Conditions are shown on page H-016.

定位钻头的使用效果 Effect of Point drill

不使用定位钻头
Without Point drill



使用定位钻头
With Point drill



采用定位用钻头，提高了钻孔的位置精度，可抑制歪斜并实现稳定的无偏差加工。（特别在曲面上开孔时不可缺少。）

Positioning of drill center is improved by point drill which brings stable drilling. (Point drill is required for drilling on a curved surface.)