

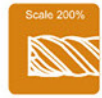
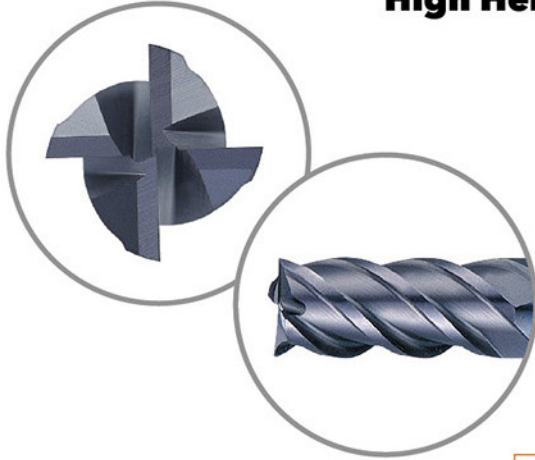


新焊接技術之機械刀具  
New Brazing Technology for **Cutting Tools**

## MS4P series

### High Helix, For Hardened Material, 4 Flute

四刃高螺旋、高硬度鑄鋼立銑刀



■ (B) Composite Blank 複合式棒料 ■ (C) Solid Carbide 全鑄鋼 ■ (S) S Type of New Brazing 鑄鋼接鑄鋼  
\* (B) Not available for SUS with shrink fit chuck. (B) 不銹鋼柄 (SUS) 的複合式刀具請勿使用於燒結式刀桿。



D $\geq$ 3 -0.005~-0.02  
3<D $\leq$ 12 -0.01~-0.03

Model No. 型號	Diameter (D) 刃徑	Flute Length (ℓ) 刃長	Overall Length (L) 全長	Shank Diameter (d) 柄徑	Stock 庫存	Blank Type 棒料型式
MS4PD0400S04	4	11	50	4	○	(B) (C) (S)
MS4PD0500S06	5	13	50	6	○	(B) (C) (S)
MS4PD0600S06	6	15	50	6	○	(B) (C) (S)
MS4PD0750S08	7.5	16	60	8	※	(B) (C) (S)
MS4PD0800S08	8	20	60	8	○	(B) (C) (S)
MS4PD1000S10	10	25	75	10	○	(B) (C) (S)
MS4PD1200S12	12	30	75	12	○	(B) (C) (S)
MS4PD1400S14	14	30	80	16	※	(B) (C) (S)
MS4PD1600S16	16	45	100	16	※	(B) (C) (S)
MS4PD2000S20	20	45	100	20	※	(B) (C) (S)
MS4PD2500S25	25	45	100	25	※	(B) (C) (S)

○ Standard 標準品 ※ Produce by order 訂製品 (Unit 單位: mm)

Carbon Steels	Alloy Steels	Tools Steels	Prehardened Steels	Prehardened Steels	Hardened Steels	Stainless Steels	Cast Iron	Ductile Cast Iron	Copper Alloys	Aluminum Alloy	Graphite	Titanium Alloys	Heat Resistant Alloys	Plastic	Composite Material CFRP
			~40HRC	~45 HRC	~55 HRC	~60 HRC	~65 HRC	~35 HRC	~350HB						
○	○	○		○	○				○	○					

○ Excellent ○ Better