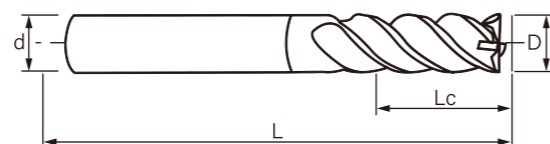


ES4S 4刃高硬平刀

4 Flutes High hardness End Mills



D	公差 Tol
D ≤ 12	0~-0.015
D > 12	0~-0.02

單位unit (mm)

型號 - 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
ES4S-50-010	1	3	50	4	
ES4S-75-010	1	3	75	4	
ES4S-50-015	1.5	4	50	4	
ES4S-75-015	1.5	4	75	4	
ES4S-50-020	2	6	50	4	
ES4S-75-020	2	6	75	4	
ES4S-50-025	2.5	7	50	4	
ES4S-75-025	2.5	7	50	4	
ES4S-50-030	3	8	50	4	
ES4S-50-030d6	3	8	50	6	
ES4S-75-030	3	8	75	4	
ES4S-50-040	4	11	50	4	
ES4S-50-040d6	4	11	50	6	
ES4S-75-040	4	11	75	4	
ES4S-50-050	5	13	50	6	
ES4S-75-050	5	13	75	6	
ES4S-100-050	5	13	100	6	
ES4S-50-060	6	15	50	6	
ES4S-75-060	6	15	75	6	
ES4S-100-060	6	15	100	6	
ES4S-60-080	8	20	60	8	
ES4S-75-080	8	20	75	8	

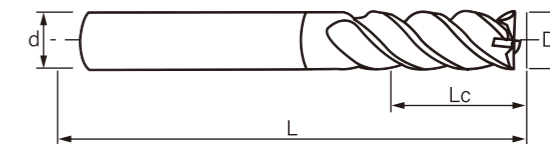
Work Material

炭素鋼 CARBON STEELS 工具鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	合金鋼 ALLOY STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
		~45HRC	~50HRC	~60HRC	~65HRC						
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	●	●	●	○							

● 最適合加工 Most Suitable ○ 適合加工 Suitable ▲ 可加工 Machinable

ES4S 4刃高硬平刀

4 Flutes High hardness End Mills



D	公差 Tol
D ≤ 12	0~-0.015
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單位unit (mm)

型號 - 外徑 Type No.	外徑 D	刃長 Lc	全長 L	柄徑 d	價格 Price
ES4S-100-080	8	20	100	8	
ES4S-75-100	10	25	75	10	
ES4S-100-100	10	25	100	10	
ES4S-150-100	10	25	150	10	
ES4S-75-120	12	30	75	12	
ES4S-100-120	12	30	75	12	
ES4S-150-120	12	30	100	12	
ES4S-100-160	16	36	100	16	
ES4S-150-160	16	36	150	16	

Work Material

炭素鋼 CARBON STEELS 工具鋼 TOOL STEELS 預硬鋼 PREHARDENED STEELS	合金鋼 ALLOY STEELS	預硬鋼 PREHARDENED STEELS 淬火鋼 HARDENED STEELS				不銹鋼 STAINLESS STEELS	鑄鐵 CAST IRON 球墨鑄鐵 DUCTILE CAST IRON	銅合金 COPPER ALLOYS	鋁合金 ALUMINUM ALLOYS	鈦合金 TITANIUM ALLOYS	耐熱合金 HEAT RESISTANT ALLOYS
		~45HRC	~50HRC	~60HRC	~65HRC						
~30HRC	~40HRC	~45HRC	~50HRC	~60HRC	~65HRC	~35HRC	~350HB				
○	●	●	●	○							

● 最適合加工 Most Suitable ○ 適合加工 Suitable ▲ 可加工 Machinable