

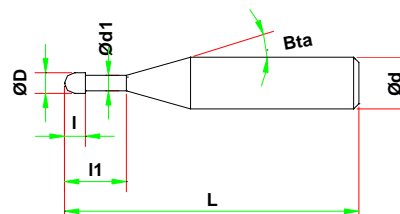
Size Dia 0.1 - 6.0 mm

Flutes 2



HLB-SE

Super Excellent



For outstanding heat resistance and lubrication ability on hard milling up to 65 HRC

Oil mist / Airblow coolant recommended

Applicable Work Materials

(MS = Most Suitable S = Suitable)

Work Materials										
Carbon steels	Alloy Steels	Prehardened steels	Hardened steels			Cast Iron	Aluminium Alloy	Graphite	Copper	Plastic
			55HRC	60HRC	65HRC					
S	S	MS	MS	MS	MS				S	

Super Excellent Series R+/- 0.003 mm

units = mm

Union Tool Part Number	Diameter	Effective Length	Flute Length	Neck Diameter	Shank Taper Angle	Overall Length	Shank Dia	Price £
	D	I ₁	I	d ₁	Bta	L	d	
HLB 2002-003SE	0.2	0.3	0.16	0.17	16°	45	4	
HLB 2002-010SE		1.0						
HLB 2003-005SE	0.3	0.5	0.24	0.27	16°	45	4	
HLB 2003-015SE		1.5						
HLB 2004-005SE	0.4	0.5	0.32	0.37	16°	45	4	
HLB 2004-020SE		2.0						
HLB 2005-010SE	0.5	1.0	0.4	0.47	16°	45	4	
HLB 2005-025SE		2.5						
HLB 2006-010SE	0.6	1.0	0.48	0.57	16°	45	4	
HLB 2006-030SE		3.0						
HLB 2010-025SE	1.0	2.5	0.8	0.96	16°	45	4	
HLB 2010-060SE		6.0						
HLB 2015-030SE	1.5	3.0	1.2	1.44	16°	45	4	
HLB 2015-080SE		8.0						
HLB 2020-030SE	2.0	3.0	1.6	1.94	16°	45	4	
HLB 2020-100SE		10.0						
HLB 2030-060SE	3.0	6.0	2.4	2.91	16°	60	6	
HLB 2030-160SE		16.0						
HLB 2040-080SE	4.0	8.0	3.2	3.91	16°	70	6	
HLB 2040-200SE		20.0						
HLB 2050-100SE	5.0	10.0	4.0	4.91	16°	70	6	
HLB 2050-250SE		25.0						
HLB 2060-100SE	6.0	10.0	4.8	5.91	16°	80	6	
HLB 2060-300SE		30.0						