

SOLID END MILLS

END MILLS SELECTION CHART

Group	Type	Feature	Flutes	Code	Shape	Coating	Substrate	Size range	Work material								Page number		
									P	H	M	S	N	Graphite	Dimensions	Cutting conditions			
									Carbon steel, Alloy steel, Cast iron Tool steel, Pre-Hardened steel, Hardened steel	Hardened steel(—55HRC)	Hardened steel(55HRC—)	Austenitic stainless steel	Titanium alloy, Heat resistant alloy				Copper alloy	Aluminium alloy	
MSTAR / For General material																			
Square	General		2	M52MC ^{MS} E		MS	UWC	φ2 —φ12	◎	◎	○	○					I116	I117	
			3	M53MC ^{MS} E		MS	UWC	φ1 —φ12	◎	◎	○	○					I118	I119	
			4	M54MC ^{MS} E		MS	UWC	φ1 —φ16	◎	◎	○	○					I120	I121	
				M54JC ^{MS} E		MS	UWC	φ1 —φ12	◎	◎	○	○					I122	I123	
	High helix		6	M56MH ^{MS} E		MS	UWC	φ6 —φ16	◎	◎	○	◎	○				I124	I125	
			8	M58MH ^{MS} E		MS	UWC	φ20	◎	◎	○	◎	○				I124	I125	
	Radius	General		4	M54MRB ^{MS} E		MS	UWC	φ6 —φ16	◎	◎	○	○					I129	I130
MS Plus / For General material																			
Ball	General		2	 MP255B ^{NEW}		MS+	UWC	R0.1 —R6	◎	◎	◎	○	○	○			I134	I137	
				 MP25B ^{NEW}		MS+	UWC	R0.1 —R6	◎	◎	◎	○	○	○				I135	I137
				 MP2MB ^{NEW}		MS+	UWC	R0.25 —R6	◎	◎	◎	○	○	○				I136	I137
		Long neck			 MP2XLB ^{NEW}		MS+	UWC	R0.05 —R3	◎	◎	◎	○	○	○			I138	I143