


































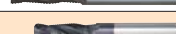

















**HSS-Co, HSS-Co Coated, Powder Metal HSS End Mills** ○:Excellent ○:Good ✕: Not Used (No mark): Not recommended

	Code	End Mill Name	No. of Flutes	Length of Cut	Stocked Size		Coating	Performance	Appearance	Work Material																
					MIN	MAX				Structural Steels	Carbon Steels	Alloy Steels	Pre-Hardened Steels	Hardened Steels		Hardened Steels	Stainless Steels	Titanium Alloys, Nickel Alloys	Cast Irons	Aluminum Alloys	Copper Alloys	Graphite				
										S5400	S45C S50C	SCM SCR	NAK	30~45 HRC	45~55 HRC	55~60 HRC	60~66 HRC	SUS304 SUS316		FC	Al ADC	Cu				
Radius	2DLCM-R	DLC-mill Radius	2	Regular	2	20	DLC	For Aluminum-Non-iron Alloy																		
	4GEOLS-R	X's-mill Geo Radius Long Shank	4	Long Neck	3	20	X's			○	○	○	○	○												
Two Flutes	2AGE	AG-mill Two Flutes	2	Short	1	50	AG			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	2SGE	SG-FAX End Mills Two Flutes	2	Short	2	30	SG			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	2DLCHE	DLC-HSS Mills	2	Short	1	20	DLC	For Aluminum-Non-iron Alloy		✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	✕	○	○	○	○		
	2GE	G End Mills Standard Two Flutes	2	Short	1	50	G			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	GHKEY	G End Mills for Keyway Two Flutes	2	Short	3	20	G			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	2NAC	NATAC End Mills Two Flutes	2	Short	1	20				○	○	○	○													
	2AGEM	AG-mill Two Flutes Medium	2	Medium	1	20	AG			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	2MSGE	SG-FAX End Mills Medium Two Flutes	2	Medium	2	30	SG			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	2MGE	G End Mills Medium Two Flutes	2	Medium	1	20	G			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	2SE	SUPER HARD End Mills Two Flutes	2	Medium	1	50				○	○	○	○													
	2RSE	SUPER HARD End Mills Regular Shank Two Flutes	2	Medium	4	18				○	○	○	○													
	2AGEL	AG-mill Two Flutes Long	2	Long	3	40	AG			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	SL2SGE	SG-FAX End Mills Long Two Flutes	2	Long	3	30	SG			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	SL2GE	G End Mills Long Two Flutes	2	Long	3	40	G			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	SL2SE	SUPER HARD End Mills Long Two Flutes	2	Long	3	40				○	○	○	○													
	RSL2SE	SUPER HARD End Mills Regular Shank Long Two Flutes	2	Long	4	18				○	○	○	○													
Three Flutes	3GE	G End Mills Standard Three Flutes	3	Short	3	40	G			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	3NAC	NATAC End Mills Three Flutes	3	Short	3	20				○	○	○	○													
Four Flutes	4AGE	AG-mill Four Flutes	4	Medium	2.5	50	AG			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	4SGE	SG-FAX End Mills Four Flutes	4	Medium	3	30	SG			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	4GE	G End Mills Standard Four Flutes	4	Medium	2.5	50	G			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	4NAC	NATAC End Mills Four Flutes	4	Medium	2.5	20				○	○	○	○													
	4SE	SUPER HARD End Mills Four Flutes	4	Medium	2.5	50				○	○	○	○													
	4RSE	SUPER HARD End Mills Regular Shank Four Flutes	4	Medium	4	18				○	○	○	○													
	4AGEL	AG-mill Four Flutes Long	4	Long	3	40	AG			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	SL4SGE	SG-FAX End Mills Long Four Flutes	4	Long	3	30	SG			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
Radius Ball	2AGRE	AG-mill Ball	2	Short	0.5	12.5	AG			○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	AGRERS-R	AG-mill Roughing Radius	4~5	Short	6	25	AG	Rough		○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	AGRES	AG-mill Roughing Short	4~6	Short	6	50	AG	Rough		○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	AGRERS	AG-mill Roughing Regular Length Short	4~6	Short	6	50	AG	Rough		○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
Rough	AGRERS-R	AG-mill Roughing Radius	4~5	Short	6	25	AG	Rough		○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	SGFRE	SG-FAX Roughing Short	3~6	Short	6	50	SG	Rough		○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	SGFRERS	SG-FAX Roughing Regular Length Short	3~6	Short	6	50	SG	Rough		○	○	○	○	○	✕	✕	✕	○	○	○	○	○				
	SRE	Roughing End Mills Short	4~6	Short	6	50		Rough		○	○	○	○													
	AGREM	AG-mill Roughing Medium	4~6	Medium	6	50	AG	Rough		○	○	○	○	○	✕	✕	✕	○	○	○	○	○				

## HSS-Co, HSS-Co Coated, Powder Metal HSS End Mills ◎:Excellent ○:Good ×: Not Used (No mark): Not recommended

	Code	End Mill Name	No. of Flutes	Length of Cut	Stocked Size		Coating	Performance	Appearance	Work Material															
					MIN	MAX				SS400	S45C S50C	SCM SCR	Alloy Steels	Pre-Hardened Steels	Hardened Steels				Stainless Steels	Titanium Alloys, Nickel Alloys	Cast Irons	Aluminum Alloys	Copper Alloys	Graphite	
															30~45 HRC	45~55 HRC	55~60 HRC	60~66 HRC							
Rough	SGFREM	SG-FAX Roughing Medium	3~6	Medium	6	50	SG	Rough		◎	◎	◎	◎	○	×	×	×	◎	○	○	○	○	○	○	○
	SGLREM	SG-FAX Roughing Large Pitch Medium	3~6	Medium	6	50	SG	Rough		◎	◎	◎	◎	○	×	×	×	◎	○	○	○	○	○	○	○
	MRE	Roughing End Mills Medium	4~6	Medium	6	50		Rough		○	○	○	○		×	×	×			○	○	○	○	○	○
	SGFREX	SG-FAX Roughing Long Shank	4~6	Long Neck	16	50	SG	Rough		◎	◎	◎	◎	○	×	×	×	◎	○	○	○	○	○	○	○
	SGFREU	SG-FAX Roughing Long Shank	4~6	Long Neck	16	50	SG	Rough		◎	◎	◎	◎	○	×	×	×	◎	○	○	○	○	○	○	○
	AGREL	AG-mill Roughing Long	4~6	Long	6	50	AG	Rough		◎	◎	◎	◎	○	×	×	×	○		○	○	○	○	○	○
	SGFREL	SG-FAX Roughing Long	3~6	Long	6	50	SG	Rough		◎	◎	◎	◎	○	×	×	×	○		○	○	○	○	○	○
	LRE	Roughing End Mills Long	4~6	Long	12	50		Rough		○	○	○	○		×	×	×			○	○	○	○	○	○
	AGHV	AG-mill HEAVY	4~6	Medium	3	50	AG	Semi-Finish		◎	◎	◎	◎	○	×	×	×	◎	○	○	○	○	○	○	○
	SGHV	SG-FAX HEAVY End Mills	4~6	Medium	3	50	SG	Semi-Finish		◎	◎	◎	◎	○	×	×	×	◎	○	○	○	○	○	○	○
	HV	HEAVY End Mills	4~6	Medium	3	50		Semi-Finish		○	○	○	○		×	×	×			○	○	○	○	○	○
	AGLHV	AG-mill HEAVY Long	4~6	Long	3	50	AG	Semi-Finish		◎	◎	◎	◎	○	×	×	×	○		○	○	○	○	○	○
	SGLHV	SG-FAX HEAVY End Mills Long	4~6	Long	3	50	SG	Semi-Finish		◎	◎	◎	◎	○	×	×	×			○	○	○	○	○	○
SLHV	HEAVY End Mills Long	4~6	Long	3	50		Semi-Finish		○	○	○	○		×	×	×			○	○	○	○	○	○	

**B**