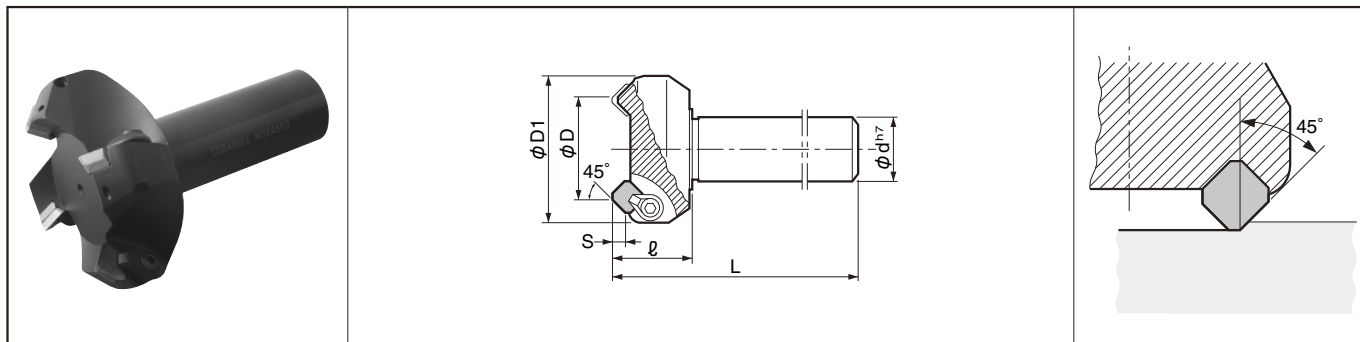


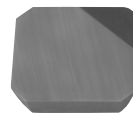
MSE45 Endmill (High Rake)



Toolholder Dimensions

Description	Std. Number of Flutes	Dimension (mm)						Rake Angle (°)		Spare Parts				
		ØD	ØD1	Ød	L	l	S	A.R.	R.R.	Clamp Set	Wrench	Shim	Clamp Screw	
MSE 4550	● 3	50	73	32	120	40	6	+20°	-3°	CPS-6M	LW-3	MSE-4245	SP3X8	
4563	● 4	63	86											
4580-32	● 4	80	103											

Applicable Inserts

Toolholder	Applicable Inserts ➡ M10			Applicable Inserts ➡ M21	
					
MSE45○○-○○	SEMR 1203AFER-H	SEKR 1203AFEN-S	SEEN 1203AFTN	SEEN 1203AFFN 1203AFFN-NE (PCD)	
MSE45○○○R-○T			SEKN 1203AFTN		
MSE45○○○R-○T-M			1203AFFN		

Recommended Cutting Conditions

Workpiece Material	fz (mm/t)	Recommended Insert Grade (Cutting Speed Vc : m/min)												
		Cermet			PVD Coated Carbide						Carbide		PCD	
		TN60	TN100M	TC60	PR630	PR730	PR830	PR660	PR1025	PR905	PW30	KW10	KPD001	KPD010
Stainless Steel	~0.25		☆ 120~200	☆ 120~200	☆ 120~200	☆ 120~200	☆ 120~200	☆ 100~200	★ 100~200		☆ 80~120			
Carbon Steel	~0.30	☆ 150~220	★ 120~200	☆ 120~200	☆ 120~200	☆ 120~200	★ 120~200	☆ 100~180	☆ 100~180		☆ 80~150			
Alloy Steel	~0.30	☆ 120~200	★ 100~180	☆ 100~180	☆ 100~180	☆ 100~180	★ 100~180	☆ 80~150			☆ 80~150			
Mold Steel	~0.25	☆ 120~200	★ 100~180	☆ 80~150	☆ 80~150	☆ 80~150	★ 80~150	☆ 60~130			☆ 80~150			
Cast Iron	~0.30									★ 100~200		☆ 80~150		
Non-ferrous Metals	~0.20											★ 100~300	★ 300~800	☆ 300~800

★: 1st Recommendation ☆: 2nd Recommendation