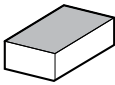
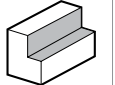
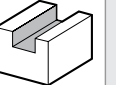
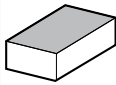
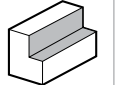
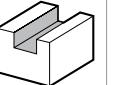





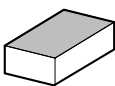
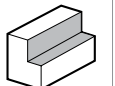
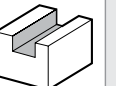
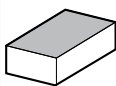
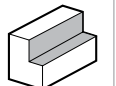
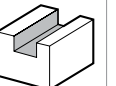











PRODUCT LINEUP

90° Lead Angles (Double-sided Insert)

Lead Angle	Applications	Facing	Shouldering	Slotting	Lead Angle	Applications	Facing	Shouldering	Slotting
									
0°	Shape				0°	Shape			
	MEW End Mill  E4	<ul style="list-style-type: none"> Economical 4-edge Insert Obtuse edge increases cutting edge toughness Smooth surface wall due to low cutting forces Good anti-chatter performance 				MFWN Face Mill  E42	<ul style="list-style-type: none"> Economical 6-edge Insert Superior fracture resistance due to thick edge design Dynamic slant design reduces shock when cutting edge enters the workpiece Low cutting forces End mills have weldon or cylindrical shanks 		
	MEW Face Mill  E6					MFWN End Mill  E45			
MEW Modular  E8									

90° Lead Angles (Heavy Milling)

Lead Angle	Applications	Facing	Shouldering	Slotting	Lead Angle	Applications	Facing	Shouldering	Slotting		
											
0° (Long Cutting Edge)	Shape				0° (Long Cutting Edge)	Shape					
	MEWH  E29	<ul style="list-style-type: none"> Low cutting force and sharp cutting performance Excellent surface finish quality Economical double-sided 4-edge inserts High quality and stable machining during heavy milling applications 				MECH  E32	<ul style="list-style-type: none"> Notched insert promotes higher productivity Large depth of cut provides high efficiency cutting MECH is the best solution for problems with heavy milling 				
	MEWH Shell Mill  E30					MEWH shell mill				MECH Shell Mill  E33	MECH shell mill type
	MSR  E59					<ul style="list-style-type: none"> Low cutting force and resistance to chattering with notched insert Chipbreaker design with specialized notches improves chip evacuation Chipbreaker achieves stabilized cutting for heavy roughing applications 				MECH-BT50 MECH-BT50SA  E33	<ul style="list-style-type: none"> Highly rigid, integral BT50 arbor Head exchangeable type is available (MECH-BT50SA)
MSR-BT50  E61	Highly rigid, BT50 Arbor				MAP  E74	<ul style="list-style-type: none"> Cutting dia. 1.000" Low cutting force, good chip evacuation High-efficiency machining 					
						GEM  E75	<ul style="list-style-type: none"> Cutting dia. 0.375" to 1.500" For small milling machines 				

GRADES	A
LINEUP / INSERTS	B
45° / 70° LEAD	C
75° LEAD	D
90° LEAD	E
HIGH FEED	F
MULTI-FUNCTION	G
SLOT MILLS	H
RADIUS / BALL-NOSE	J
OTHER APPLICATIONS	K
TOOL HOLDING	O
SPARE PARTS	P
TECHNICAL	R
INDEX	T