

PRODUCT LINEUP

45° / 70° / 75° Lead Angles

Lead Angle	Applications	Facing	Chamfering	Lead Angle	Applications	Facing	Chamfering	
								
Shape				Shape				
45°	MFPN45  <p>➔ C2</p>	<ul style="list-style-type: none"> • 10-edge pentagonal inserts • Double-sided pentagonal insert Economical with 10-edge insert • Low cutting force due to helical cutting-edge design • Fractures suppressed with double-edge position 		45°	MFPN45  <p>➔ C4</p>	<ul style="list-style-type: none"> • 10-edge pentagonal inserts • Double-sided pentagonal insert Economical with 10-edge insert • Low cutting force due to helical cutting-edge design • Fractures suppressed with double-edge position • With weldon or cylindrical shank 		
	MOF45  <p>➔ C14</p>	<ul style="list-style-type: none"> • Octagonal insert with 8 cutting edges • Insert sizes are available in 05 and 07 • Silver coated 			MSO45-S-09  <p>➔ C23</p>	<ul style="list-style-type: none"> • Screw clamp system and 09 size inserts • Smaller insert for MSO45 series 		
	MOFX45  <p>➔ C16</p>	<ul style="list-style-type: none"> • The insert is fixed by top clamp • Excellent surface roughness by easy edge height adjustment • High cost performance provided by 8-edge insert • Cutter designed with high axial rake angle and double positive angle on chipbreaker provide low cutting forces • SH Chipbreakers (for general purpose / low cutting force) and GT chipbreakers (Tough Edge) 			MSO45-S  <p>➔ C22</p>	<ul style="list-style-type: none"> • High efficiency machining of stainless steel • Stronger edge with insert thickness 0.156" 		
	MSE45 (Standard / Multi-Edge)  <p>➔ C18</p>	<ul style="list-style-type: none"> • The insert is fixed by the top clamp • Silver coated • Standard edge type and Multi-edge type 			15°	MSRS15  <p>➔ D4</p>	<ul style="list-style-type: none"> • For heavy cutting • Max D.O.C. 0.472" • Metal removal rate is increased drastically 	
	MSE45-SF (Easy Edge Adjustment)  <p>➔ C19</p>	<ul style="list-style-type: none"> • Easy edge adjustment • Silver coated 				MSP15  <p>➔ D8</p>	<ul style="list-style-type: none"> • Facing • Medium to roughing of steel / cast iron 	
	MSO45  <p>➔ C22</p>	<ul style="list-style-type: none"> • Use insert with 13.494mm/C • Insert max. external dia. matches cutter external dia. 				MSE15  <p>➔ D8</p>	<ul style="list-style-type: none"> • Low cutting force • For thin workpiece milling of Steel / Cast Iron • Good anti-chatter performance 	
	20°	MFK  <p>➔ C8</p>	<ul style="list-style-type: none"> • High efficiency multi-edge cutter for cast iron • Economical double-sided 10-edge inserts • Low cutting forces due to helical cutting-edge design • Improved surface finish, minimizing chattering and prevents burr formation • Dual cutting edge design (high toughness) 					

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LINEUP / INSERTS