

**PRODUCT
LAUNCH OFFER***
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Where **high performance**
is the **standard**®

M.A. FORD **MAX**
RANGE

MSM-XD19 | Aluminium Router



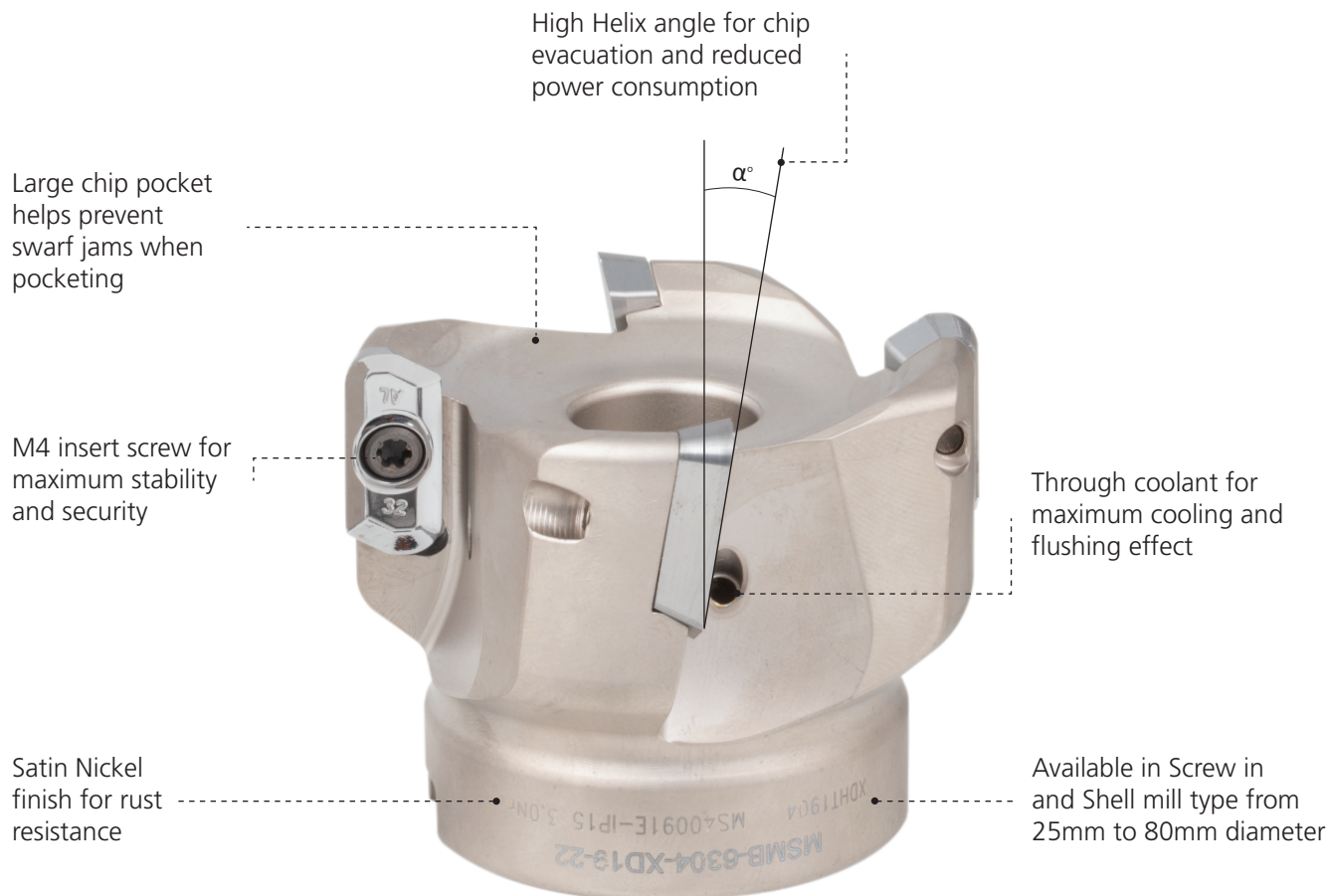
YouTube Link

www.mafordeurope.com

**THE NEXT GENERATION
IN MILLING TOOLS**

Offer includes **1 body** and **10 inserts**

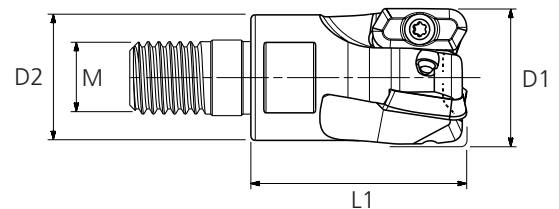
MSM-XD19 Body



MSM-XD19 Insert

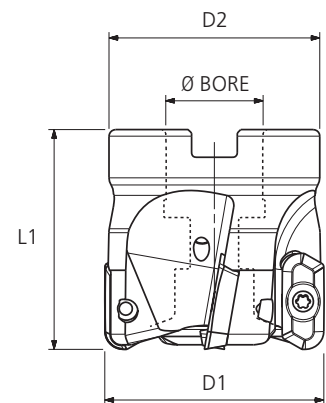


MSM-XD19 Screw-On Shank End Mills



Tool Number	EDP	Dimensions (mm)					Wrench	Coolant	10 Inserts	Offer price
		D1	D2	L1	M	Flutes				
KIT-XD19-M25	FE1118	25	21	45	M12	2	17	Y	XDHT 19	£190.00
KIT-XD19-M32	FE1119	32	29	52	M16	3	24	Y	XDHT 19	£200.00
KIT-XD19-M40	FE1120	40	38	52	M16	3	24	Y	XDHT 19	£210.00

MSM-XD19 Bore Type Face Mills



Tool Number	EDP	Dimensions (mm)					Coolant	10 Inserts	Offer price
		D1	D2	L1	M	Flutes			
KIT-XD19-B40	FE1114	40	38	50	16mm	3	Y	XDHT 19	£210.00
KIT-XD19-B50	FE1115	50	43	50	22mm	4	Y	XDHT 19	£220.00
KIT-XD19-B63	FE1116	63	48	50	22mm	4	Y	XDHT 19	£230.00
KIT-XD19-B80	FE1117	80	58	50	27mm	5	Y	XDHT 19	£240.00

MSM-XD19 Insert radius options

Inserts



Insert Number	EDP	GRADE	RADIUS
XDHT190402-AL	FW1110	FN6125	0.2
XDHT190408-AL	FW1111	FN6125	0.8
XDHT190420-AL	FW1112	FN6125	2
XDHT190432-AL	FW1113	FN6125	3.2
XDHT190440-AL	FW1114	FN6125	4
XDHT190450-AL	FW1115	FN6125	5

Spare Parts

			Insert Screw		Torx Plus Driver		Torx Plus T-Handle		Torque Driver		Torque Blade	
												
Insert		Nm	EDP	Part Number	EDP	Part Number	EDP	Part Number	EDP	Part Number	EDP	Part Number
XDHT1904	15IP	3.0	FS1136	MS40095AIP	FS1085	SD110-15IP	FS1094	TH120-15IP	FS1108	TD140-3.0NM	FS1127	TB160-15IP

MSM-XD19 Machining Data and Ramping

Recommended Speeds & Feed per Tooth by Material Group

Workpiece Material Group	Material	Coolant	Vc m/min	fz-per tooth
Non Ferrous	Aluminium Alloys	Max	500 - 1200 M/min	0.1 - 0.22
	Brass / Bronze / Copper	Max	400 - 800M/min	0.1 - 0.2

Ramping Data

Tool Diameter	Ramp - max	Dia - min	Dia - max	Pitch max (mm)
25	6.8 deg	32	47	6.8
32	3.9 deg	46	61	3.9
40	3.3 deg	62	77	3.3
50	2.2 deg	81	97	2.2
63	1.8 deg	107	123	1.8
80	1.1 deg	135	157	1.1

