

SHOULDER MILLING

MSM-AP, MSM-WN & MSM-XD

INDEXABLE FACE MILLING

MFM-SE & MFM-SN

SCREW-ON TOOL HOLDERS

MSS, MCS & SOM



Where **high performance**
is the **standard**



Indexable Milling

M.A. FORD MAX
RANGE

Performance, Precision, Economy



Where **high performance** is the **standard**®



Since 1919 M.A. Ford has been at the cutting edge of tooling design and manufacture. During this time we have developed an enviable global reputation for innovation and precision high performance cutting tools, which have helped countless businesses optimise productivity, save manufacturing time and improve production costs.

Our FordMAX range of indexable carbide milling cutters provide a highly effective, affordable and versatile solution for batch production and low volume manufacturing, while retaining the productivity, performance and tool life benefits that are synonymous with M.A. Ford.

Incorporating a wide range precision ground inserts, which are available in different geometries and coatings, together with dedicated tool holders; the FordMAX Indexable Milling range is the perfect solution, delivering performance, precision and economy to your manufacturing operation.

M.A.FORD – Where high performance is the standard.

Shoulder Milling

MSM-AP

Single-sided Helical Edge Shoulder Milling
APKT Inserts and MSM-AP Cutters

- Application of shoulder, pocket, slot and face milling in a wide range of materials
- Well suited to thin wall milling and high accuracy shoulder milling
- Widely applied in general machining, die and mould, aerospace and automotive industry
- Screw-on shank version also available as standard



MSM-WN

Economic Shoulder Milling
WNGU Inserts and MSM-WN Cutters

- Double sided and special shaped insert offers sharp edge and high stability
- Application of shoulder, pocket, slot and face milling in a wide range of materials
- Widely applied in general machining, die and mould, aerospace and automotive industry
- Screw-on shank version also available as standard



Shoulder Milling

MSM-XD

Single-sided Sharp Edge Shoulder Milling XDHT19 Inserts and MSM-XD Cutters

- High Speed Cutting
- Application of shoulder, pocket, slot and face milling in non-ferrous metals, plastics and resin-based materials
- Sharp cutting edge and polished surface reduce material adhesion to the cutting edge

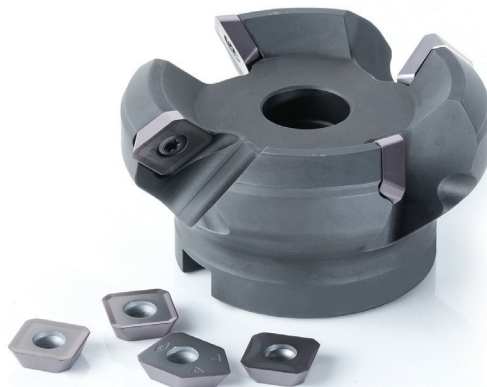


Face Milling

MFM-SE

Single-sided General 45° Face Milling
SEE(M)T Inserts and MFM-SE Cutters

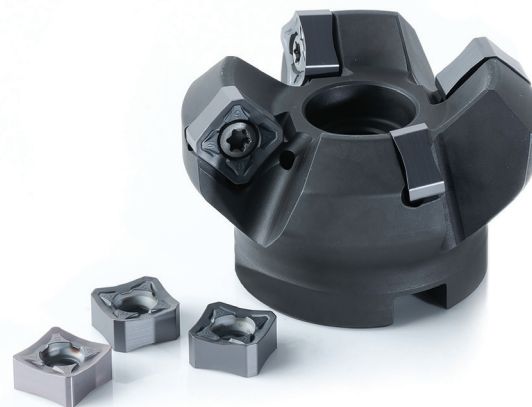
- Single-sided positive insert with four cutting edges
- Well suited for finish machining and low powered machines
- Various geometries for smooth cutting and stability



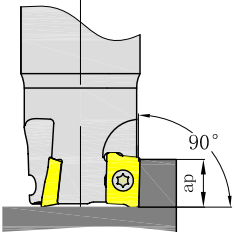
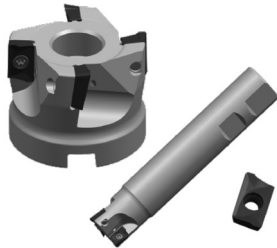
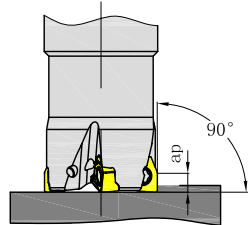
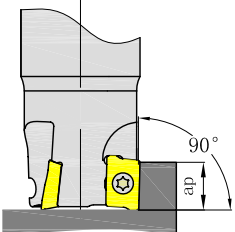
MFM-SN

Double-sided General 45° Face Milling
SNE(M)U Inserts and MFM-SN Cutters

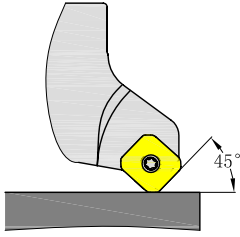
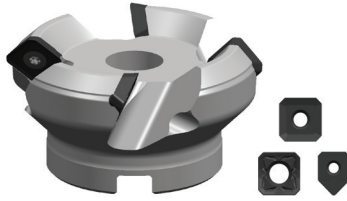
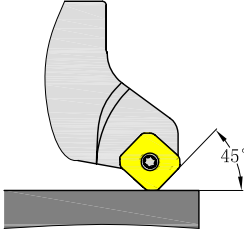
- Double-sided & thicker negative insert design, with high strength
- High positive geometry that reduces power consumption at bigger depth of cut
- Suitable for light to heavy cutting in wide range of materials



Indexable Milling Product

Type	Approach angle	Insert	Cutter	Shape	Profile
Shoulder Milling	 AP11: $a_{pmax}=9mm$ AP16: $a_{pmax}=14mm$	APKT	MSM-AP Ø16-Ø80		Helical edge provides low force milling. Mainly used for shoulder, pocket, slot and face milling applications.
	 WNGU04: $a_{pmax}=4mm$ WNGU08: $a_{pmax}=7.5mm$	WNGU	MSM-WN Ø20-Ø80		Double sided inserts provide high economy. Suitable for cutting steels, stainless and cast iron. Mainly used for shoulder, pocket, slot and face milling applications.
	 XDHT19: $a_{pmax}=18mm$	XDHT	MSM-XD Ø20-Ø63		High speed cutting in light materials. Mainly used for shoulder, pocket, slot and face milling applications.

Indexable Milling Product

Type	Approach angle	Insert	Cutter	Shape	Profile
Face Milling	 SE13: $a_{pmax}=6.0mm$	SE*T	MFM-SE Ø50 - Ø100		Smooth cutting with universal properties. Especially suited for efficient face milling in a wide range of applications.
	 SN12: $a_{pmax}=5.0mm$	SN*U	MFM-SN Ø50 - Ø100		

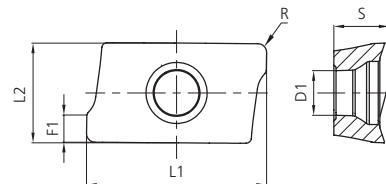
Grades Introduction and Application

Workpiece	ISO	Coating	
		CVD	PVD
P Steel	P01	FP6115	
	P10		
	P20		FA6225
	P30		FP6125
	P40		FA6230
	P50		
M Stainless Steel	M01		
	M10		
	M20		FA6225
	M30	FM6140	FA6230
	M40		FS6030
	M50		
K Cast Iron	K01	FK6015	
	K10		
	K20		FK6125
	K30		
	K40		
N Non Ferrous	N01		
	N10		FN6125
	N20		
	N30		
	N40		
S HRSA	S01		
	S10		
	S20		FS6030
	S30		
	S40		
H Hardened Material	H01		
	H10		FA6230
	H20		
	H30		

Shoulder Milling - APKT Series

APKT

Single-sided Helical Edge Shoulder Milling Inserts



Part Number		Dimensions (mm)						Coated							
		L1	L2	S	F1	D1	R	FA6225	FA6230	FP6125	FP6115	FS6030	FM6140	FK6125	FK6015
	APKT113504-MS	11.31	7	3.5	2	3.21	0.4	●	●	○	○	○	○	○	○
	APKT113508-MS	11.31	7	3.5	2	3.21	0.8	●	●	○	○	●	○	○	○
	APKT113504-MM	11.31	7	3.5	2	3.21	0.4	●	●	○	○	○	○	○	●
	APKT113508-MM	11.31	7	3.5	2	3.21	0.8	●	●	○	○	●	●	●	●
	APKT113532-MM	10.16	7	3.44	3.6	3.21	3.2	○	●	○	○	●	○	○	○
	APKT160408-MM	16.96	9.4	5.2	2.57	4.21	0.8	●	●	●	○	●	●	●	●
	APKT160412-MM	16.96	9.4	5.2	2.57	4.21	1.2	○	●	○	○	○	○	○	○
	APKT160416-MM	16.96	9.4	5.2	2.57	4.21	1.6	○	●	○	○	●	○	○	○
	APKT160432-MM	15	9.4	5.2	2.57	4.21	3.2	○	●	○	○	●	○	○	○
	APKT113516-MH	11.31	7	3.5	2	3.21	1.6	○	●	○	○	●		●	○
	APKT160416-MH	16.96	9.4	5.2	2.57	4.21	1.6	○	●	○	○	○		●	○

● Stock ○ Check Availability

Shoulder Milling - APKT Series

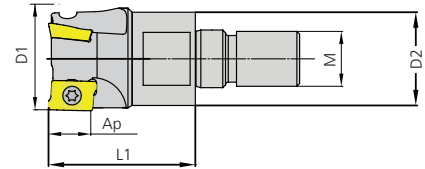
Insert Geometry

Light Cutting	Medium Cutting	Heavy Cutting
		
MS	MM	MH
		
Light cutting with low force	High stability cutting in general conditions	Stronger edge for roughing and heavy machining

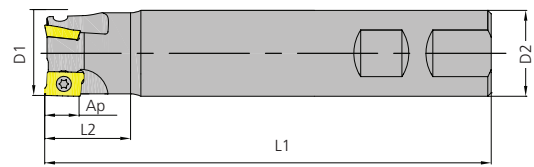
Shoulder Milling - APKT Series

MSM-AP

Screw-On Shank End Mills

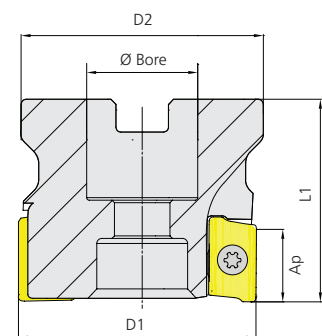


EDP	Part Number	D1	D2	Flutes	L1	M	Ap Max	Insert
FH1118	MSMM-1602-AP11-M8	16	14	2	26	M8	9	APKT1135
FH1119	MSMM-2003-AP11-M10	20	18	3	31	M10	9	APKT1135
FH1120	MSMM-2504-AP11-M12	25	21	4	35	M12	9	APKT1135
FH1121	MSMM-3205-AP11-M16	32	29	5	64	M16	9	APKT1135
FH1123	MSMM-2502-AP16-M12	25	21	2	35	M12	14	APKT1604
FH1124	MSMM-3203-AP16-M16	32	29	3	43	M16	14	APKT1604



Weldon Shank End Mills

EDP	Part Number	D1	D2	Flutes	L1	L2	Ap Max	Insert
FH1115	MSMW-1602-AP11-16	16	16	2	130	25	9	APKT1135
FH1116	MSMW-2003-AP11-20	20	20	3	130	25	9	APKT1135
FH1117	MSMW-2504-AP11-25	25	25	4	130	30	9	APKT1135



Bore Type Mills

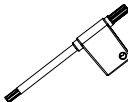
EDP	Part Number	D1	D2	Flutes	L1	Ø Bore	Ap Max	Insert
FH1526	MSMB-4005-AP11-16	40	34	5	40	16	9	APKT1135
FH1122	MSMB-5007-AP11-22	50	48	7	40	22	9	APKT1135
FH1542	MSMB-6307-AP11-22	63	48	7	40	22	9	APKT1135
FH1125	MSMB-5004-AP16-22	50	48	4	40	22	14	APKT1604
FH1126	MSMB-6305-AP16-22	63	48	5	40	22	14	APKT1604
FH1127	MSMB-8007-AP16-27	80	50	7	50	27	14	APKT1604

Shoulder Milling - APKT Series

Recommended Cutting Data

Workpiece Material		Material Hardness	Grade	Cutting Speed	mm/tooth		
					Light Cutting	Medium Cutting	Heavy Cutting
				Vc (m/min)	ML	MM	MH
P	Low Carbon Steel	≤HB180	FA6225 FA6230 FP6125 FP6115	180 (150-220)	0.1 (0.05-0.15)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
	Carbon Steel, Alloy Steel	HB180-350	FA6225 FA6230 FP6125 FP6115	150 (120-200)	0.1 (0.05-0.15)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
	Per-hardened Steel	HRC35-45	FA6225 FA6230 FP6125	150 (120-200)	0.1 (0.05-0.15)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
M	Stainless Steel (Ferrite, Martensite)	≤HB270	FA6225 FA6230 FM6140 FS6030	140 (100-160)	0.12 (0.1-0.2)	0.15 (0.1-0.2)	0.2 (0.1-0.3)
K	Grey Cast Iron	≤HB280	FA6230 FK6125 FK6015	180 (150-220)	0.1 (0.05-0.15)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
	Nodular Cast Iron Vermicular Cast Iron	≤HB350	FA6230 FK6125 FK6015	120 (100-180)	0.1 (0.05-0.15)	0.15 (0.1-0.2)	0.2 (0.1-0.25)

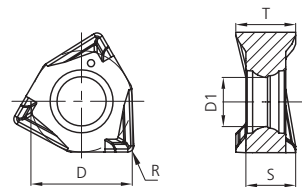
Spare Parts

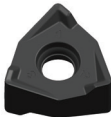
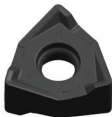
Parts		Insert Screw	Insert Wrench	
Insert	Shape			
APKT1135		PSI60M030072-04210S	PTT09PQ	PTT09TQ
APKT1604		PSI60M035080-05314S	PTT15PQ	PTT15TQ

Shoulder Milling - WNGU Series

WNGU

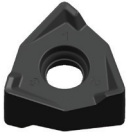
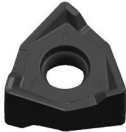
Double sided 6 Cutting Edges Shoulder Milling Inserts



Part Number		Dimensions (mm)					Coated							
		D	D1	S	T	R	FA6225	FA6230	FP6125	FP6115	FS6030	FM6140	FK6125	FK6015
	WNGU040304-MM	6.7	3.25	3.3	3.96	0.4		●	●	○	○	○	○	
	WNGU040308-MM	6.7	3.25	3.3	3.96	0.8		●	●	○	○	○	○	○
	WNGU080608-MM	12.48	4.6	6.45	7.9	0.8		●	●	○	●	○	●	○
	WNGU080608-MH	12.48	4.6	6.45	7.9	0.8		○	○	○	○		○	○

● Stock ○ Check availability

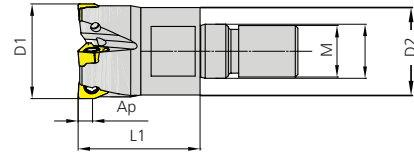
Insert Geometry

Medium Cutting	Heavy Cutting
	
MM	MH
	
High stability cutting in general condition	Stronger edge for heavy cutting

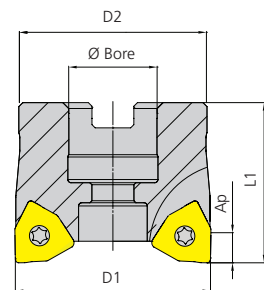
Shoulder Milling - WNGU Series

MSM-WN

Screw-On Shank End Mills



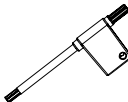
EDP	Part Number	D1	D2	Flutes	L1	M	Ap Max	Insert
FH1128	MSMM-2003-WN04-M10	20	18	3	31	M10	4	WNGU04
FH1129	MSMM-2504-WN04-M12	25	21	4	35	M12	4	WNGU04



Bore Type Mills

EDP	Part Number	D1	D2	Flutes	L1	Ø Bore	Ap Max	Insert
FH1130	MSMB-5007-WN04-22	50	48	7	40	22	4	WNGU04
FH1131	MSMB-5005-WN08-22	50	48	5	40	22	7.5	WNGU08
FH1132	MSMB-6306-WN08-22	63	48	6	40	22	7.5	WNGU08
FH1133	MSMB-8007-WN08-27	80	58	7	50	27	7.5	WNGU08

Spare Parts

Parts		Insert Screw	Insert Wrench	
Insert	Shape			
	WNGU0403	PSI60M025065-03610IB	PTT08PQ	×
	WNGU0806	PSI60M040100-05510IB	PTT15PQ	PTT15TQ

Shoulder Milling - WNGU Series

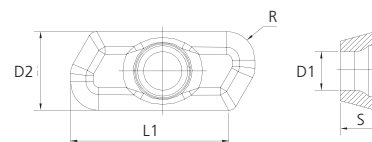
Recommended Cutting Data

	Workpiece Material	Material Hardness	Grade	Cutting Speed	mm/tooth	
					Medium Cutting	Heavy Cutting
				Vc (m/min)	GM	GH
P	Low Carbon Steel	≤HB180	FA6225 FA6230 FP6125 FP6115	180 (150-220)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
	Carbon Steel, Alloy Steel	HB180-350	FA6225 FA6230 FP6125 FP6115	150 (120-200)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
	Per-hardened Steel	HRC35-45	FA6225 FA6230 FP6125 FP6115	150 (120-200)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
M	Stainless Steel (Ferrite, Martensite)	≤HB270	FA6225 FA6230 FM6140 FS6030	140 (100-160)	0.15 (0.1-0.2)	0.2 (0.1-0.3)
	Stainless Steel (Austenite, Diphasic)	≤HB270	FA6225 FA6230 FN6125	140 (100-160)	0.15 (0.1-0.2)	0.2 (0.1-0.3)
K	Grey Cast Iron	≤HB280	FA6230 FK6125 FK6015	180 (150-220)	0.15 (0.1-0.2)	0.2 (0.1-0.25)
	Nodular Cast Iron Vermicular Cast Iron	≤HB350	FA6230 FK6125 FK6015	120 (100-180)	0.15 (0.1-0.2)	0.2 (0.1-0.25)

Shoulder Milling - XDHT Series

XDHT

Single-sided Shoulder Milling Insert for Aluminium Alloy



Part Number		Dimensions (mm)				FN6125
		L1	L2	S	R	
	XDHT190402-AL	19	9.50	4.76	0.2	●
	XDHT190408-AL	19	9.50	4.76	0.8	●
	XDHT190420-AL	19	9.50	4.76	2.0	●
	XDHT190432-AL	19	9.50	4.76	3.2	●
	XDHT190440-AL	19	9.50	4.76	4.0	●
	XDHT190450-AL	19	9.50	4.76	5.0	●

● Stock ○ Check availability

Insert Geometry

Medium Cutting

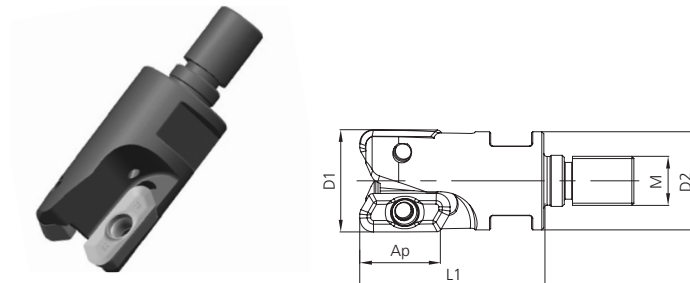


AL

High positive geometry for
general cutting

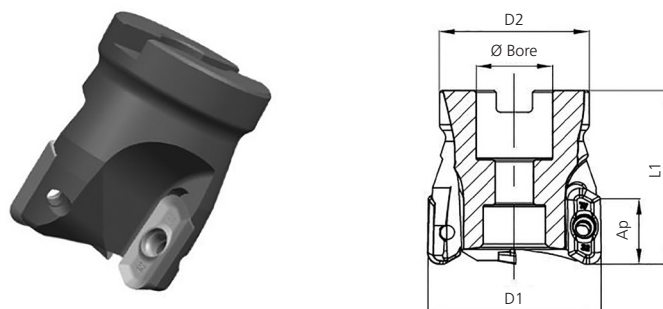
Shoulder Milling - XDHT Series

MSM-XD



Screw-On Shank End Mills

EDP	Part Number	D1	D2	Flutes	L1	M	Ap Max	Insert
FH1134	MSMM-2502-XD19-M12	25	21	2	45	M12	18	XDHT19
FH1135	MSMM-3203-XD19-M16	32	29	3	52	M16	18	XDHT19
FH1136	MSMM-4003-XD19-M16	40	29	3	52	M16	18	XDHT19



Bore Type Mills

EDP	Part Number	D1	D2	Flutes	L1	Ø Bore	Ap Max	Insert
FH1525	MSMB-4003-XD19-16	40	38	3	50	16	18	XDHT19
FH1137	MSMB-5004-XD19-22	50	43	4	50	22	18	XDHT19
FH1146	MSMB-6304-XD19-22	63	48	4	50	22	18	XDHT19

Spare Parts

Parts	Diameter	Insert Screw	Insert Wrench
Shape			
XDHT 19	25	PSI60M040072-05514ISXD	PTI15PSXD
	32	PSI60M040078-05514ISXD	
	40	PSI60M040085-05514ISXD	
	50-63	PSI60M040100-05514ISXD	

Shoulder Milling - XDHT Series

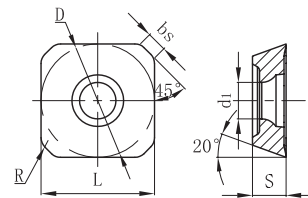
Recommended Cutting Data

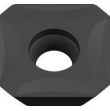
Workpiece Material		Material Hardness	Grade	Cutting Speed	mm/tooth		
					Fin	Med	Rough
				Vc (m/min)			
N	Aluminium Alloys Non Hardend	Hv 30-70	FN6125	200-3000	0.05 - 0.10	0.075 - 0.2	0.1 - 0.25
	Aluminium Alloys Hardend	Hv 70-160	FN6125	150 - 1000	0.05 - 0.10	0.075 - 0.2	0.1 - 0.25
	Cast Aluminium ≤12% Si	Hv 80	FN6125	200-1500	0.05 - 0.10	0.075 - 0.2	0.1 - 0.25
	Cast Aluminium >12% Si	Hv 120	FN6125	200-1000	0.05 - 0.10	0.075 - 0.2	0.1 - 0.25
	Brass	Hv 90	FN6125	200-1000	0.05 - 0.10	0.075 - 0.2	0.1 - 0.25
	Bronze	Hv 150-190	FN6125	150-400	0.05 - 0.10	0.075 - 0.2	0.1 - 0.25

Face Milling - SEE(M)T Series

SEE(M)T

Single-sided General Face Milling Inserts

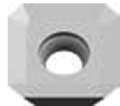


Part Number		Dimensions (mm)						Coated								
		L	D	S	d ₁	R	bs	FA6225	FA6230	FP6125	FP6115	FS6030	FM6140	FK6125	FK6015	FN6125
	SEET13T3AG-MS	13.4	13.4	3.97	4.4	1	1.7	○	○	○	○	●	○			
	SEET13T3AG-MM	13.4	13.4	3.97	4.4	1.5	1.2	●	●	○	○	●	●	○		
	SEMT13T3AG-MM	13.4	13.4	3.97	4.4	1.5	1.2	○	●	○	○	○	○	○		
	SEET13T3AG-MH	13.4	13.4	3.97	4.4	1.5	1.3	○	○	○	○	○	○	○		
	SEMT13T3AG-MH	13.4	13.4	3.97	4.4	1.5	1.3	○	●	○	○	○	○	○		
	SEET13T3AG-AL	13.4	13.4	3.97	4.4	0.4	2.2									●
	SEET13T3AG-WB	13.4	13.4	4.76	3.97	1.5	2.37	○	●	○	○	○	○	○	○	

● Stock ○ Check availability

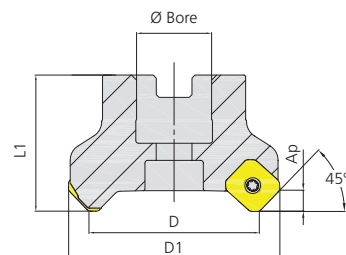
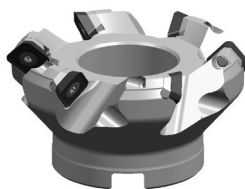
Face Milling - SEE(M)T Series

Insert Geometry

Light Cutting	Medium Cutting	Heavy Cutting	Aluminum Alloys	Wiper Insert
				
MS	MM	MH	AL	WB
				
Large rake angle with small edge prep. Suitable for light milling and low speed and feed.	Medium angle and edge prep for general cutting.	Strong cutting edge for intermittent cutting condition.	Large rake angle for light materials.	Wiper edge with big radius shape to improve the quality of surface finish.

Face Milling - SEE(M)T Series

MFM-SE



Bore Type Mills

EDP	Part Number	D	D1	Flutes	L1	Ø Bore	Ap Max	Insert
FH1138	MFMB-5004-SE13-22	50	63	4	40	22	6	SE*T13
FH1139	MFMB-6305-SE13-22	63	76	5	40	22	6	SE*T13
FH1140	MFMB-8006-SE13-27	80	93	6	50	27	6	SE*T13
FH1141	MFMB-10007-SE13-32	100	113	7	50	32	6	SE*T13

Recommended Cutting Data

Workpiece Material		Material Hardness	Grade	Cutting Speed	(mm/tooth)		
				Vc (m/min)	Ligth Cutting	Medium Cutting	Heavy Cutting
P	Low Carbon Steel	≤HB180	FA6225 FA6230 FP6125 FP6115	250 (210-350)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.4)
	Carbon Steel Alloy Steel	HB180-280	FA6225 FA6230 FP6125 FP6115	220 (170-270)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.4)
		HB280-350	FP6125 FP6115	140 (100-180)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.4)
M	Stainless Steel	≤HB275	FM6140 FS6030	180 (130-250)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.4)
K	Gray Cast Iron Nodular Cast Iron	≤HB350	FK6125 FK6015	180 (130-250)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.4)
N	Aluminium	≤HB260	FN6125	≥300	0.15 (0.1 - 0.2)	0.2 (0.1 - 0.3)	0.3 (0.2 - 0.4)

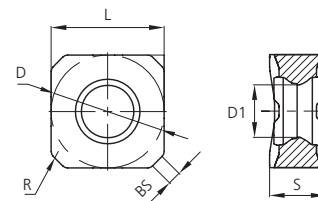
Spare Parts

Parts		Insert Screw	Insert Wrench	
Insert	Shape			
	SE*T13	PS160M035080-05410B	PTT15PQ	PTT15TQ

Face Milling - SNE(M)U Series

SNE(M)U

Double-sided General Face Milling Inserts

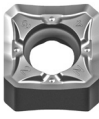
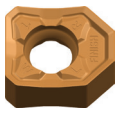


Part Number		Dimensions (mm)						Coated								
		L	D	S	BS	D1	R	FA6225	FA6230	FP6125	FP6115	FS3060	FM6140	FK6125	FK6015	FN6125
	SNEU1206AN-MS	12.7	12.7	6.35	2.2	6.0	0.8	●	●	○	○	●	○	○	○	
	SNEU1206AN-MM	12.7	12.7	6.35	2.2	6.0	0.8	●	●	●	○	○	●	●	●	
	SNMU1206AN-MM	12.7	12.7	6.35	2.2	6.0	0.8	○	●	○	○	○	●	○	○	
	SNEU1206AN-MH	12.7	12.7	6.35	2.2	6.0	0.8	○	●	○	○	○	○	●	○	
	SNMU1206AN-MH	12.7	12.7	6.35	2.2	6.0	0.8	○	●	○	○	○	●	○	○	
	SNEU1206AN-AL	12.7	12.7	6.35	2.2	6.0	0.8									●
	SNEU1206AN-MW	12.7	12.7	6.35	5.6	6.0	0.8	○	○	○	○	○	○	○	○	

● Stock ○ Check availability

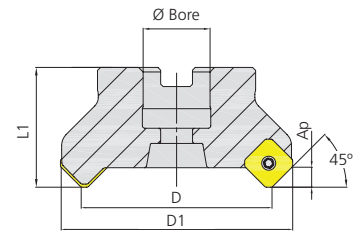
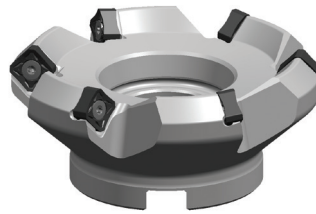
Face Milling - SNE(M)U Series

Insert Geometry

Light Cutting for General material	Medium Cutting for General material	Rough Cutting for General material	General cutting for aluminum alloys	Wiper
				
MS	MM	MH	AL	MW
				
Large rake angle with small edge prep. Suitable for light milling and low speed and feed.	Medium angle and edge prep for general cutting.	Strong cutting edge for intermittent cutting condition.	Large rake angle for light materials.	Wiper edge with big radius shape to improve the quality of surface finish.

Face Milling - SNE(M)U Series

MFM-SN



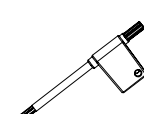
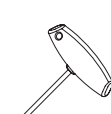
Bore Type Mills

EDP	Part Number	D	D1	Flutes	L1	Ø Bore	Ap Max	Insert
FH1142	MFMB-5005-SN12-22	50	66	5	40	22	5	SN*U12
FH1143	MFMB-6306-SN12-22	63	79	6	40	22	5	SN*U12
FH1144	MFMB-8008-SN12-27	80	96	8	50	27	5	SN*U12
FH1145	MFHB-10010-SN12-32	100	116	10	50	32	5	SN*U12

Recommended Cutting Data

Workpiece Material		Material Hardness	Grade	Cutting Speed	(mm/tooth)		
				Vc (m/min)	Light Cutting	Medium Cutting	Heavy Cutting
P	Low Carbon Steel	≤HB180	FA6225 FA6230 FP6125 FP6115	250 (210-350)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.4)
	Carbon Steel Alloy Steel	HB180-280	FA6225 FA6230 FP6125 FP6115	220 (170-270)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.4)
		HB280-350	FA6225 FA6230 FP6125 FP6115	140 (100-180)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.4)
M	Stainless Steel	≤HB275	FM6140 FS6030	180 (130-250)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.4)
K	Gray Cast Iron Nodular Cast Iron	≤HB350	FK6125 FK6015	180 (130-250)	0.15 (0.1-0.2)	0.2 (0.1-0.3)	0.3 (0.2-0.4)
N	Aluminium	≤HB260	FN6125	≥300	0.15 (0.1 - 0.2)	0.2 (0.1 - 0.3)	0.3 (0.2 - 0.4)

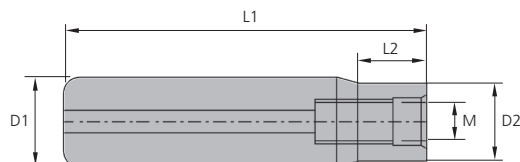
Spare Parts

Parts		Insert Screw	Insert Wrench	
Insert	Shape			
		PSI60M050140-07010B	PTT20PQ	PTT20TQ

Screw-on Tool Holders

MSS Screw-On Tool Holders

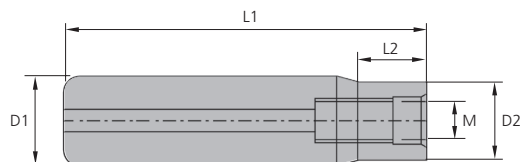
Steel Straight Shanks



EDP	Part Number	D1	D2	L1	L2	M
FC1217	MSS-D16-M8-90-20T	16	14.5	90	20	M8
FC1218	MSS-D16-M8-150-30T	16	14.5	150	30	M8
FC1210	MSS-D20-M10-150-40T	20	17.7	150	40	M10
FC1212	MSS-D25-M12-150-40T	25	20.7	150	40	M12
FC1213	MSS-D32-M16-170-40T	32	28.7	170	40	M16

MCS Screw-On Tool Holders

Carbide Straight Shanks

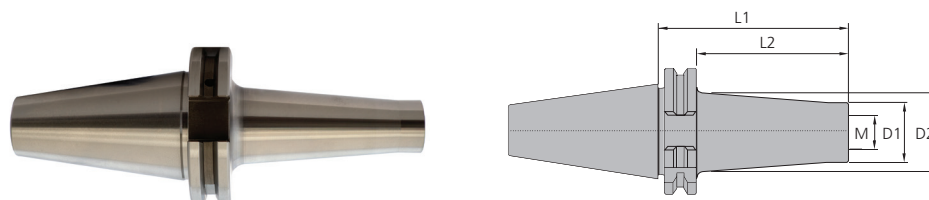


EDP	Part Number	D1	D2	L1	L2	M
FC1001	MCS-D16-M8-100-30	16	15.5	100	30	M8
FC1002	MCS-D16-M8-150-50	16	15.5	150	50	M8
FC1013	MCS-D16-M8-150-95	16	15.5	150	95	M8
FC1003	MCS-D16-M8-200-100	16	15.5	200	100	M8
FC1004	MCS-D20-M10-200-50	20	18.5	200	50	M10
FC1005	MCS-D20-M10-250-100	20	18.5	250	100	M10
FC1006	MCS-D20-M10-300-150	20	18.5	300	150	M10
FC1007	MCS-D25-M12-200-50	25	23	200	50	M12
FC1008	MCS-D25-M12-250-100	25	23	250	100	M12
FC1009	MCS-D25-M12-300-150	25	23	300	150	M12
FC1010	MCS-D32-M16-250-100	32	28	250	100	M16
FC1011	MCS-D32-M16-300-150	32	28	300	150	M16
FC1012	MCS-D32-M16-350-200	32	28	350	200	M16

Screw-on Tool Holders

SOM Screw-On Tool Holders

SK (DIN 69871) Taper Adapters

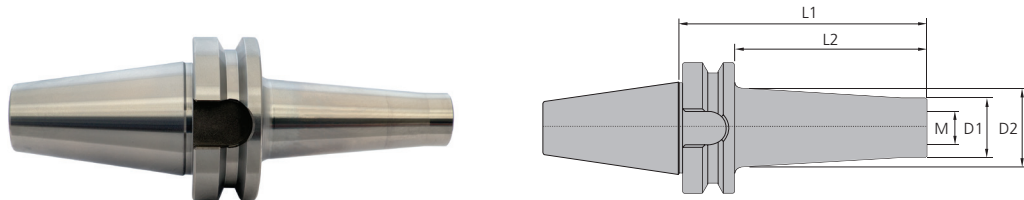


EDP	Part Number	D1	D2	L1	L2	M
FC1119	SK40-SOM8-69 L=50	13	23	69	50	M8
FC1120	SK40-SOM8-94 L=75	13	23	94	75	M8
FC1121	SK40-SOM8-119 L=100	13	25	119	100	M8
FC1123	SK40-SOM10-69 L=50	18	23	69	50	M10
FC1124	SK40-SOM10-94 L=75	18	28	94	75	M10
FC1125	SK40-SOM10-119 L=100	18	32	119	100	M10
FC1127	SK40-SOM12-69 L=50	21	31	69	50	M12
FC1128	SK40-SOM12-94 L=75	21	33	94	75	M12
FC1129	SK40-SOM12-119 L=100	21	36	119	100	M12
FC1131	SK40-SOM16-69 L=50	29	34	69	50	M16
FC1132	SK40-SOM16-94 L=75	29	34	94	75	M16
FC1133	SK40-SOM16-119 L=100	29	36	119	100	M16

Screw-on Tool Holders

SOM Screw-On Tool Holders

BT (MAS 403) Taper Adapters



EDP	Part Number	D1	D2	L1	L2	M
FC1135	BT40-SOM8-77 L=50	13	23	77	50	M8
FC1136	BT40-SOM8-102 L=75	13	23	102	75	M8
FC1137	BT40-SOM8-127 L=100	13	25	127	100	M8
FC1139	BT40-SOM10-77 L=50	18	23	77	50	M10
FC1140	BT40-SOM10-102 L=75	18	28	102	75	M10
FC1141	BT40-SOM10-127 L=100	18	32	127	100	M10
FC1143	BT40-SOM12-77 L=50	21	31	77	50	M12
FC1144	BT40-SOM12-102 L=75	21	33	102	75	M12
FC1145	BT40-SOM12-127 L=100	21	36	127	100	M12
FC1147	BT40-SOM16-77 L=50	29	34	77	50	M16
FC1148	BT40-SOM16-102 L=75	29	34	102	75	M16
FC1149	BT40-SOM16-127 L=100	29	36	127	100	M16
FC1303	BT50-SOM12-138 L=100	21	33	138	100	M12
FC1304	BT50-SOM12-188 L=150	21	40	188	150	M12
FC1300	BT50-SOM16-88 L=50	29	34	88	50	M16
FC1301	BT50-SOM16-138 L=100	29	36	138	100	M16
FC1302	BT50-SOM16-188 L=150	29	42.5	188	150	M16



Where **high performance**
is the **standard**®

M.A. Ford Europe Ltd.

650 City Gate
London Road, Derby
DE24 8WY
United Kingdom

Tel: +44(0) 1332 267960

Fax: +44(0) 1332 267969

e-mail: sales@mafordeurope.com

www.mafordeurope.com

Дистрибьютор:

ООО "ВЕЛКАМ"

127247 Москва,
Дмитровское ш. 100 стр.2

Тел. +7 (499) 685 00 69

email: info@wellcam-ps.ru

www.wellcam-ps.ru

Also available:



M.A. Ford® Mfg. Co., Inc.
7737 Northwest Blvd.

Davenport, IA 52806
USA

Tel: 563-391-6220 or 800-553-8024

Fax: 563-386-7660 or 800-892-9522

e-mail: sales@maford.com

www.maford.com

M.A. Ford®
Asia-Pacific, Limited

Room 1709, Level 17
Millennium City 2
378 Kwun Tong Road
Kowloon
Hong Kong

Tel: +852-2167-7150

Fax: +852-2167-8150

Email: sales@mafordap.com