



Boring Cartridges

Bar to Unit Compatibility

Each bar can be used with multiple cartridge units and vice versa. Use the tables below and above left, to determine the the best combination depending on the length of bore and cutting diameter required.

Bar Ref (Nose)	Use With Microbore Unit	Depth Max		Bore Diameter	
		Max	Min	Max	Min
535M	M2 B2S T06 -40	83.0	15.6	17.5	
	M2 B2 ** - 40	82.5	18.3	20.0	
536M	M2 B2S T06 - 40	83.0	16.8	19.0	
	M2 B2** - 40	82.5	18.3	21.8	
54M	M2 B2 T06 - 40	88.5	19.0	24.5	
	M2 B2 ** - 40	87.0	19.0	24.0	
55M	M3 B2 T09 - 40	110.5	24.0	30.0	
	M3 B2 C06 - 40	107.0	24.5	31.5	
	M3 B2 ** - 40	107.0	22.5	30.5	
57M	M3 A2 T09 - 40	135.5	29.0	41.5	
	M3 A2 C06 - 40	132.0	29.0	42.5	
	M3 A2 ** - 40	132.0	27.0	41.5	
58M	M5 B2 T11 - 40	116.0	42.0	53.0	
	M5 B2 C06 - 40	116.0	39.5	52.0	
	M5 B2 ** - 40	116.0	39.5	52.0	
59M	M5 B2 T11 - 40	173.0	42.0	53.0	
	M5 B2 C06 - 40	173.0	39.5	52.0	
	M5 B2 ** - 40	173.0	39.5	52.0	
60M	M5 A2 T11 - 40	116.0	50.2	71.5	
	M5 A2 C06 - 40	116.0	47.5	70.5	
	M5 A2 ** - 40	116.0	47.0	70.0	
61M	M5 A2 T11 - 40	186.0	50.2	71.5	
	M5 A2 C06 - 40	186.0	47.5	70.5	
	M5 A2 ** - 40	186.0	47.0	70.0	
62M	M5 A2 T11 - 40	208.0	50.2	71.5	
	M5 A2 C06 - 40	208.0	47.5	70.5	
	M5 A2 ** - 40	208.0	47.0	70.0	
63M	M7 A2 T16 - 80	128.0	63.0	91.0	
	M7 A2 C09 - 80	128.0	63.0	91.0	
	M7 A2 ** - 80	128.0	63.5	91.0	
64M	M7 A2 T16 - 80	185.0	63.0	91.0	
	M7 A2 C09 - 80	185.0	63.0	91.0	
	M7 A2 ** - 80	185.0	63.5	91.0	
65M	M7 A2 T16 - 80	280.0	63.0	91.0	
	M7 A2 C09 - 80	280.0	63.0	91.0	
	M7 A2 ** - 80	280.0	63.5	91.0	
67M	M7 A2 T16 - 80	119.0	83.5	111.5	
	M7 A2 C09 - 80	119.0	84.0	111.5	
	M7 A2 ** - 80	119.0	84.5	111.5	
68M	M7 A2 T16 - 80	199.0	83.5	111.5	
	M7 A2 C09 - 80	199.0	84.0	111.5	
	M7 A2 ** - 80	199.0	84.5	111.5	
69M	M7 A2 T16 - 80	299.5	83.5	111.5	
	M7 A2 C09 - 80	299.5	84.0	111.5	
	M7 A2 ** - 80	299.5	84.5	111.5	
70M	M10 A2 T16 - 80	121.5	97.5	144.5	
	M10 A2 C12 - 80	121.5	98.0	144.5	
	M10 A2 ** - 80	121.5	99.5	144.5	
71M	M10 A2 T16 - 80	299.5	97.5	144.5	
	M10 A2 C12 - 80	299.5	98.0	144.5	
	M10 A2 ** - 80	299.5	99.5	144.5	

Brazed Carbide Tip Boring Units



Complete with adjusting dial, washer and clamp screw. Style '2' 90° approach for angular pockets.

Brazed Tip Carbide Grade Description

- E** Fine boring of Steel
- F** Fine boring of Cast Iron and Non-Ferrous materials
- 12E** General machining of steels at medium speeds
- 12F** Fine boring of Aluminium and Magnesium alloys

Replacement brazed cartridges (without dial, washer or clamp) are also available on request.

Cartridge Reference	Carbide Grade	Order Code MBR-175	Offer Price/1
M1 A2 - E - 40	E	-5010E	£30.55
M1 A2 - F - 40	F	-5010F	£30.55
M1 A2 - 12E - 40	12E	-5010L	£30.55
M1 A2 - 12F - 40	12F	-5010K	£30.55
M1 B2 - E - 40	E	-5020E	£30.55
M1 B2 - F - 40	F	-5020F	£30.55
M1 B2 - 12E - 40	12E	-5020L	£30.55
M1 B2 - 12F - 40	12F	-5020K	£30.55
M2 A2 - E - 40	E	-5025E	£34.15
M2 A2 - F - 40	F	-5025F	£34.15
M2 A2 - 12E - 40	12E	-5025L	£34.15
M2 A2 - 12F - 40	12F	-5025K	£34.15
M2 B2 - E - 40	E	-5030E	£34.15
M2 B2 - F - 40	F	-5030F	£34.15
M2 B2 - 12E - 40	12E	-5030L	£34.15
M2 B2 - 12F - 40	12F	-5030K	£34.15
M3 A2 - E - 40	E	-5040E	£39.35
M3 A2 - F - 40	F	-5040F	£39.35
M3 A2 - 12E - 40	12E	-5040L	£39.35
M3 A2 - 12F - 40	12F	-5040K	£39.35
M3 B2 - E - 40	E	-5050E	£39.35
M3 B2 - F - 40	F	-5050F	£39.35
M3 B2 - 12E - 40	12E	-5050L	£39.35
M3 B2 - 12F - 40	12F	-5050K	£39.35
M5 A2 - E - 40	E	-5060E	£44.50
M5 A2 - F - 40	F	-5060F	£44.50
M5 A2 - 12E - 40	12E	-5060L	£44.50
M5 A2 - 12F - 40	12F	-5060K	£44.50
M5 B2 - E - 40	E	-5070E	£44.50
M5 B2 - F - 40	F	-5070F	£44.50
M5 B2 - 12E - 40	12E	-5070L	£44.50
M5 B2 - 12F - 40	12F	-5070K	£44.50
M7 A2 - E - 40	E	-5080E	£59.00
M7 A2 - F - 40	F	-5080F	£59.00
M7 A2 - 12E - 40	12E	-5080L	£59.00
M7 A2 - 12F - 40	12F	-5080K	£59.00
M7 B2 - E - 40	E	-5090E	£59.00
M7 B2 - F - 40	F	-5090F	£59.00
M7 B2 - 12E - 40	12E	-5090L	£59.00
M7 B2 - 12F - 40	12F	-5090K	£59.00
M10 A2 - E - 40	E	-5100E	£74.50
M10 A2 - F - 40	F	-5100F	£74.50
M10 A2 - 12E - 40	12E	-5100L	£74.50
M10 A2 - 12F - 40	12F	-5100K	£74.50
M10 B2 - E - 40	E	-5110E	£74.50
M10 B2 - F - 40	F	-5110F	£74.50
M10 B2 - 12E - 40	12E	-5110L	£74.50
M10 B2 - 12F - 40	12F	-5110K	£74.50

Indexable Tip Boring Units

FOR FURTHER INDEXABLE INSERTS



Complete with adjusting dial, washer and clamp screw. Style '2' 90° approach for angular pockets.

See GROUP 120

Trigon Insert Indexable Boring Units

Complete with adjusting dial, washer and clamp screw. Style '2' 90° approach for angular pockets.



Bar Ref (Nose)	Insert Size WBG	Order Code MBR-175	Offer Price/1
M1A2WB03-40	060102	-2310W	£79.85
M1B2WB03-40		-2320W	£79.85

Triangular Insert Indexable Boring Units

Complete with adjusting dial, washer and clamp screw. Style '2' 90° approach for angular pockets.



Bar Ref (Nose)	Insert Size TCMT	Order Code MBR-175	Offer Price/1
M2 A2 T06-40	06T102	-2010T	£87.05
M2 B2 T06-40		-2020T	£87.05
M3 A2 T09-40	090204	-2040T	£88.20
M3 B2 T09-40		-2050T	£88.20
M5 A2 T11-40	110204	-2060T	£99.10
M5 B2 T11-40		-2070T	£99.10
M7 A2 T16-80	16T304	-2080T	£122.15
M7 B2 T16-80		-2090T	£122.15
M10 A2 T16-80	16T304	-2100T	£141.35
M10 B2 T16-80		-2110T	£141.35

Rhomboid Insert Indexable Boring Units

Complete with adjusting dial, washer and clamp screw. Style '2' 90° approach for angular pockets.



Bar Ref (Nose)	Insert Size CCMT	Order Code MBR-175	Offer Price/1
M3A2C06-40	060204	-3040C	£85.20
M3B2C06-40		-3050C	£85.20
M5A2C06-40	060204	-3060C	£99.10
M5B2C06-40		-3070C	£99.10
M7A2C09-80	09T304	-3080C	£122.15
M7B2C09-80		-3090C	£122.15
M10A2C12-80	120404	-3100C	£141.35
M10B2C12-80		-3110C	£141.35

Rhomboid Inserts

Insert Size CCMT	Grade	Order Code YML-120	List Price/1	Offer Price/1
060204-PM	QX500	-0355A	£4.36	£2.96
	QX520	-0355D	£4.36	£2.96
	QX530	-0355E	£4.36	£2.96
09T304-PM	QX500	-0403A	£5.06	£3.44
	QX520	-0403D	£5.06	£3.44
	QX530	-0403E	£5.06	£3.44
	QX5030	-0403H	£5.06	£3.44
120404-PM	QX5020	-0410G	£7.09	£4.82

Triangular Inserts

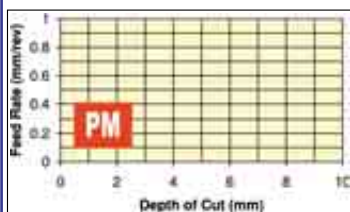
Insert Size TCMT	Grade	Order Code YML-120	List Price/1	Offer Price/1
090204-PM	QX520	-7110D	£4.15	£2.82
	QX500	-7120A	£5.45	£3.71
110204-PM	QX520	-7120D	£5.45	£3.71
	QX530	-7120E	£5.45	£3.71
16T304-PM	QX500	-7140A	£6.81	£4.63
	QX5020	-7140G	£6.81	£4.63



Indexable Inserts



PM - Medium breaker used on positive inserts for general application.



Insert Grade Selection

- QX500** (P10-P25 Cermet). For high speed finishing and light roughing. Will maintain a high class surface finish. Mainly used on steels and can be applied to finishing some stainless steels and cast irons, stainless and cast irons.
- QX520** (P10-P35 M10-M30 K10-K30) Coated. An excellent general purpose grade for medium roughing on steels, stainless and cast irons.
- QX530** (P20-P40 M20-M30) Coated. Turning grade for steels, cast steels and stainless steels. A good general purpose steel grade for roughing.
- QX5020** (ISO P10-P35 M10-M30 K10-K30) CVD Coated. An excellent general purpose grade for medium roughing on Steels, Stainless and Cast Irons.
- QX5030** (ISO P25-P35 M15-M25) An excellent general purpose grade for medium roughing and finishing on steel and stainless steel.