

THREADING

MMT M-CLASS INSERTS WITH 3-D CHIP BREAKERS

EXTERNAL

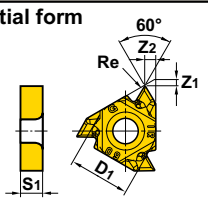
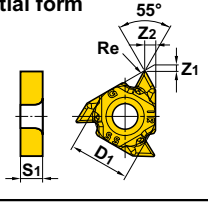
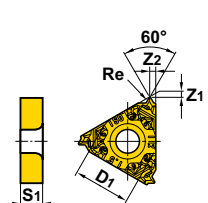
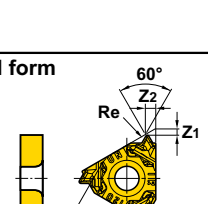
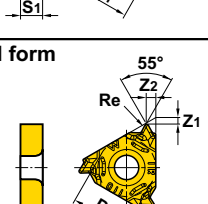
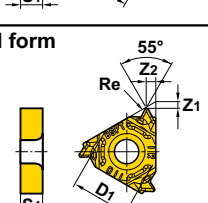
Type	Order Number	Coated	Pitch		Dimensions (mm)					Total Cutting Depth (mm)	Geometry
		VP15TF	mm	thread/inch	D1	S1	Z1	Z2	Re		
Partial Profile 60°	MMT16ERA60-S	●	0.5-1.5	48-16	9.525	3.44	0.8	0.9	0.06	-	
	16ERG60-S	●	1.75-3.0	14-8	9.525	3.44	1.2	1.7	0.23	-	
Partial Profile 55°	MMT16ERA55-S	●		48-16	9.525	3.44	0.8	0.9	0.07	-	
	16ERG55-S	●		14-8	9.525	3.44	1.2	1.7	0.23	-	
ISO Metric	MMT16ER100ISO-S	●	1.0		9.525	3.44	0.7	0.7	0.13	0.61	
	16ER125ISO-S	●	1.25		9.525	3.44	0.8	0.9	0.16	0.77	
	16ER150ISO-S	●	1.5		9.525	3.44	0.8	1.0	0.20	0.92	
	16ER175ISO-S	●	1.75		9.525	3.44	0.9	1.2	0.22	1.07	
	16ER200ISO-S	●	2.0		9.525	3.44	1.0	1.3	0.26	1.23	
	16ER250ISO-S	●	2.5		9.525	3.44	1.1	1.5	0.33	1.53	
	16ER300ISO-S	●	3.0		9.525	3.44	1.2	1.6	0.40	1.84	
American UN	MMT16ER160UN-S	●		16	9.525	3.44	0.9	1.1	0.23	0.97	
	16ER140UN-S	●		14	9.525	3.44	1.0	1.2	0.26	1.11	
	16ER120UN-S	●		12	9.525	3.44	1.1	1.4	0.30	1.30	
Whitworth for BSW, BSP	MMT16ER190W-S	●		19	9.525	3.44	0.8	1.0	0.18	0.86	
	16ER140W-S	●		14	9.525	3.44	1.0	1.2	0.25	1.16	
	16ER110W-S	●		11	9.525	3.44	1.1	1.5	0.32	1.48	
BSPT	MMT16ER190BSPT-S	●		19	9.525	3.44	0.8	0.9	0.18	0.86	
	16ER140BSPT-S	●		14	9.525	3.44	1.0	1.2	0.25	1.16	
	16ER110BSPT-S	●		11	9.525	3.44	1.1	1.5	0.32	1.48	

IDENTIFICATION

MMT	16	E	R	050	ISO	-	S	M-class inserts with 3-D chip breakers																														
Designation	Diameter of Inscribed Circle (mm)	Application	Hand of Tool	Pitch	Threading Type																																	
	11 6.35	E External I Internal	R Right	<table border="1"> <tr> <td>100</td> <td>1.0mm</td> <td rowspan="2">A</td> <td rowspan="2">0.5-1.5mm or 48-16 thread/inch</td> </tr> <tr> <td>125</td> <td>1.25mm</td> </tr> <tr> <td>150</td> <td>1.5mm</td> <td rowspan="5">G</td> <td rowspan="5">1.75-3.0mm or 14-8 thread/inch</td> </tr> <tr> <td>175</td> <td>1.75mm</td> </tr> <tr> <td>200</td> <td>2.0mm</td> </tr> <tr> <td>250</td> <td>2.5mm</td> </tr> <tr> <td>300</td> <td>3.0mm</td> </tr> </table>	100	1.0mm	A	0.5-1.5mm or 48-16 thread/inch	125	1.25mm	150	1.5mm	G	1.75-3.0mm or 14-8 thread/inch	175	1.75mm	200	2.0mm	250	2.5mm	300	3.0mm	<table border="1"> <tr> <td>60</td> <td>Partial Profile 60°</td> </tr> <tr> <td>55</td> <td>Partial Profile 55°</td> </tr> <tr> <td>ISO</td> <td>ISO Metric</td> </tr> <tr> <td>W</td> <td>Whitworth for BSW, BSP</td> </tr> <tr> <td>BSPT</td> <td>BSPT</td> </tr> <tr> <td>UN</td> <td>American UN</td> </tr> </table>	60	Partial Profile 60°	55	Partial Profile 55°	ISO	ISO Metric	W	Whitworth for BSW, BSP	BSPT	BSPT	UN	American UN			
100	1.0mm	A	0.5-1.5mm or 48-16 thread/inch																																			
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ISO	ISO Metric																																					
W	Whitworth for BSW, BSP																																					
BSPT	BSPT																																					
UN	American UN																																					

● : Inventory maintained. (Note:- Inserts packed in 5 piece boxes)

INTERNAL

Type	Order Number	Coated	Pitch		Dimensions (mm)					Total Cutting Depth (mm)	Geometry
		VP15TF			D1	S1	Z1	Z2	Re		
			mm	thread/inch							
Partial Profile 60°	MMT11IRA60-S	●	0.5–1.5	48–16	6.35	3.04	0.8	0.9	0.03	—	Partial form 
	16IRA60-S	●	0.5–1.5	48–16	9.525	3.44	0.8	0.9	0.03	—	
	16IRG60-S	●	1.75–3.0	14–8	9.525	3.44	1.2	1.7	0.11	—	
Partial Profile 55°	MMT11IRA55-S	●		48–16	6.35	3.04	0.8	0.9	0.07	—	Partial form 
	16IRA55-S	●		48–16	9.525	3.44	0.8	0.9	0.07	—	
	16IRG55-S	●		14–8	9.525	3.44	1.2	1.7	0.21	—	
ISO Metric	MMT11IR100ISO-S	●	1.0		6.35	3.04	0.6	0.7	0.06	0.58	Full form 
	11IR125ISO-S	●	1.25		6.35	3.04	0.8	0.9	0.08	0.72	
	11IR150ISO-S	●	1.5		6.35	3.04	0.8	1.0	0.10	0.87	
	16IR100ISO-S	●	1.0		9.525	3.44	0.6	0.7	0.06	0.58	
	16IR125ISO-S	●	1.25		9.525	3.44	0.8	0.9	0.08	0.72	
	16IR150ISO-S	●	1.5		9.525	3.44	0.8	1.0	0.10	0.87	
	16IR175ISO-S	●	1.75		9.525	3.44	0.9	1.2	0.11	1.01	
	16IR200ISO-S	●	2.0		9.525	3.44	1.0	1.3	0.13	1.15	
	16IR250ISO-S	●	2.5		9.525	3.44	1.1	1.5	0.17	1.44	
	16IR300ISO-S	●	3.0		9.525	3.44	1.1	1.5	0.20	1.73	
American UN	MMT16IR160UN-S	●		16	9.525	3.44	0.9	1.1	0.11	0.92	Full form 
	16IR140UN-S	●		14	9.525	3.44	0.9	1.2	0.12	1.05	
	16IR120UN-S	●		12	9.525	3.44	1.1	1.4	0.14	1.22	
Whitworth for BSW, BSP	MMT16IR190W-S	●		19	9.525	3.44	0.8	1.0	0.18	0.86	Full form 
	16IR140W-S	●		14	9.525	3.44	1.0	1.2	0.25	1.16	
	16IR110W-S	●		11	9.525	3.44	1.1	1.5	0.32	1.48	
BSPT	MMT16IR190BSPT-S	●		19	9.525	3.44	0.8	0.9	0.18	0.86	Full form 
	16IR140BSPT-S	●		14	9.525	3.44	1.0	1.2	0.25	1.16	
	16IR110BSPT-S	●		11	9.525	3.44	1.1	1.5	0.32	1.48	

THREADING

MMT M-CLASS INSERTS WITH 3-D CHIP BREAKERS

MMT G-CLASS GROUND INSERTS

EXTERNAL

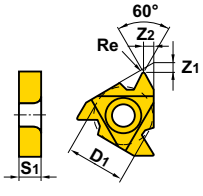
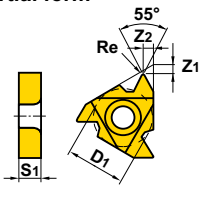
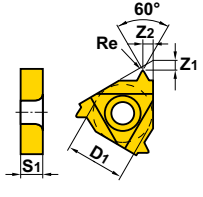
Type	Thread Tolerance	Order Number	Coated		Pitch		Dimensions (mm)					Total Cutting Depth (mm)	Geometry
			VP10MF	VP15TF	mm	thread/inch	D1	S1	Z1	Z2	Re		
Partial Profile 60°	—	MMT16ERA60	●	●	0.5–1.5	48–16	9.525	3.44	0.8	0.9	0.05	—	
		16ERG60	●	●	1.75–3.0	14–8	9.525	3.44	1.2	1.7	0.27	—	
		16ERAG60	●	●	0.5–3.0	48–8	9.525	3.44	1.2	1.7	0.08	—	
		22ERN60	●	●	3.5–5.0	7–5	12.7	4.64	1.7	2.5	0.53	—	
Partial Profile 55°	—	MMT16ERA55	●	●		48–16	9.525	3.44	0.8	0.9	0.05	—	
		16ERG55	●	●		14–8	9.525	3.44	1.2	1.7	0.21	—	
		16ERAG55	●	●		48–8	9.525	3.44	1.2	1.7	0.07	—	
		22ERN55	●	●		7–5	12.7	4.64	1.7	2.5	0.44	—	
ISO Metric 6g	—	MMT16ER050ISO	●	●	0.5		9.525	3.44	0.6	0.4	0.06	0.31	
		16ER075ISO	●	●	0.75		9.525	3.44	0.6	0.6	0.10	0.46	
		16ER100ISO	●	●	1.0		9.525	3.44	0.7	0.7	0.16	0.61	
		16ER125ISO	●	●	1.25		9.525	3.44	0.8	0.9	0.19	0.77	
		16ER150ISO	●	●	1.5		9.525	3.44	0.8	1.0	0.23	0.92	
		16ER175ISO	●	●	1.75		9.525	3.44	0.9	1.2	0.21	1.07	
		16ER200ISO	●	●	2.0		9.525	3.44	1.0	1.3	0.31	1.23	
		16ER250ISO	●	●	2.5		9.525	3.44	1.1	1.5	0.32	1.53	
		22ER350ISO	●	●	3.5		12.7	4.64	1.6	2.3	0.45	2.15	
		22ER400ISO	●	●	4.0		12.7	4.64	1.6	2.3	0.52	2.45	
		22ER450ISO	●	●	4.5		12.7	4.64	1.7	2.4	0.58	2.76	
		22ER500ISO	●	●	5.0		12.7	4.64	1.7	2.5	0.63	3.07	

MMT G-CLASS GROUND INSERTS | THREADING

IDENTIFICATION

MMT	16	E	R	050	ISO
Designation	Diameter of Inscribed Circle (mm)	Application	Hand of Tool	Pitch	Threading Type
	11 6.35	E External	R Right	050 0.5mm	60 Partial Profile 60°
	16 9.525	I Internal		075 0.75mm	55 Partial Profile 55°
	22 12.7			100 1.0mm	ISO ISO Metric
				125 1.25mm	W Whitworth for BSW, BSP
				150 1.5mm	BSPT BSPT
				175 1.75mm	UN American UN
				200 2.0mm	RD Round DIN 405
				250 2.5mm	TR ISO Trapezoidal 30°
				300 3.0mm	ACME American ACME
				350 3.5mm	UNJ UNJ
				400 4.0mm	APBU API Buttress Casing
				450 4.5mm	APRD API Round Casing & Tubing
				500 5.0mm	NPT NPT
					NPTF NPTF

INTERNAL

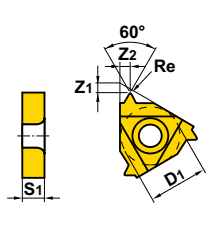
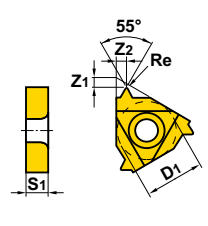
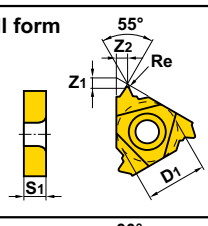
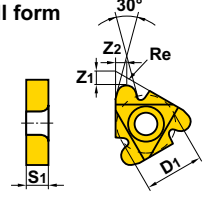
Type	Thread Tolerance	Order Number	Coated		Pitch		Dimensions (mm)					Total Cutting Depth (mm)	Geometry
			VP10MF	VP15TF			D1	S1	Z1	Z2	Re		
					mm	thread/inch							
Partial Profile 60°	—	MMT11IRA60	●	●	0.5—1.5	48—16	6.35	3.04	0.8	0.9	0.05	—	Partial form 
		16IRA60	●	●	0.5—1.5	48—16	9.525	3.44	0.8	0.9	0.05	—	
		16IRG60	●	●	1.75—3.0	14—8	9.525	3.44	1.2	1.7	0.16	—	
		16IRAG60	●	●	0.5—3.0	48—8	9.525	3.44	1.2	1.7	0.05	—	
		22IRN60	●	●	3.5—5.0	7—5	12.7	4.64	1.7	2.5	0.30	—	
Partial Profile 55°	—	MMT11IRA55	●	●		48—16	6.35	3.04	0.8	0.9	0.05	—	Partial form 
		16IRA55	●	●		48—16	9.525	3.44	0.8	0.9	0.05	—	
		16IRG55	●	●		14—8	9.525	3.44	1.2	1.7	0.21	—	
		16IRAG55	●	●		48—8	9.525	3.44	1.2	1.7	0.07	—	
		22IRN55	●	●		7—5	12.7	4.64	1.7	2.5	0.44	—	
ISO Metric	6H	MMT11IR050ISO	●	●	0.5		6.35	3.04	0.6	0.4	0.03	0.29	Full form 
		11IR075ISO	●	●	0.75		6.35	3.04	0.6	0.6	0.04	0.43	
		11IR100ISO	●	●	1.0		6.35	3.04	0.6	0.7	0.10	0.58	
		11IR125ISO	●	●	1.25		6.35	3.04	0.8	0.9	0.12	0.72	
		11IR150ISO	●	●	1.5		6.35	3.04	0.8	1.0	0.14	0.87	
		11IR175ISO	●	●	1.75		6.35	3.04	0.9	1.1	0.10	1.01	
		11IR200ISO	●	●	2.0		6.35	3.04	0.9	1.1	0.18	1.15	
		16IR050ISO	●	●	0.5		9.525	3.44	0.6	0.4	0.03	0.29	
		16IR075ISO	●	●	0.75		9.525	3.44	0.6	0.6	0.04	0.43	
		16IR100ISO	●	●	1.0		9.525	3.44	0.6	0.7	0.10	0.58	
		16IR125ISO	●	●	1.25		9.525	3.44	0.8	0.9	0.12	0.72	
		16IR150ISO	●	●	1.5		9.525	3.44	0.8	1.0	0.14	0.87	
		16IR175ISO	●	●	1.75		9.525	3.44	0.9	1.2	0.10	1.01	
		16IR200ISO	●	●	2.0		9.525	3.44	1.0	1.3	0.18	1.15	
		16IR250ISO	●	●	2.5		9.525	3.44	1.1	1.5	0.15	1.44	
		16IR300ISO	●	●	3.0		9.525	3.44	1.1	1.5	0.26	1.73	
		22IR350ISO	●	●	3.5		12.7	4.64	1.6	2.3	0.22	2.02	
		22IR400ISO	●	●	4.0		12.7	4.64	1.6	2.3	0.25	2.31	
22IR450ISO	●	●	4.5		12.7	4.64	1.6	2.4	0.28	2.60			
22IR500ISO	●	●	5.0		12.7	4.64	1.6	2.3	0.32	2.89			

THREADING

MMT G-CLASS GROUNDED INSERTS

MMT G-CLASS GROUND INSERTS

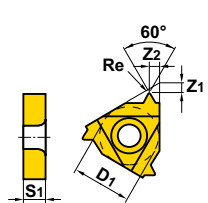
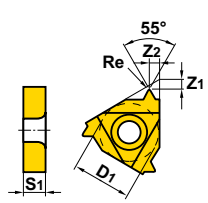
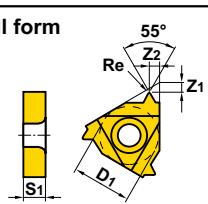
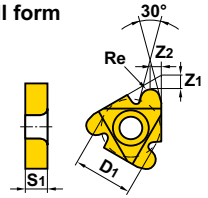
EXTERNAL

Type	Thread Tolerance	Order Number	Coated		Pitch		Dimensions (mm)					Total Cutting Depth (mm)	Geometry
			VP10MF	VP15TF	mm	thread/inch	D1	S1	Z1	Z2	Re		
American UN	2A	MMT16ER320UN	●			32	9.525	3.44	0.6	0.6	0.09	0.49	Full form 
		16ER280UN	●			28	9.525	3.44	0.6	0.7	0.10	0.56	
		16ER240UN	●			24	9.525	3.44	0.7	0.8	0.16	0.65	
		16ER200UN	●			20	9.525	3.44	0.8	0.9	0.19	0.78	
		16ER180UN	●			18	9.525	3.44	0.8	1.0	0.21	0.87	
		16ER160UN	●	●		16	9.525	3.44	0.9	1.1	0.24	0.97	
		16ER140UN	●	●		14	9.525	3.44	1.0	1.2	0.22	1.11	
		16ER130UN	●			13	9.525	3.44	1.0	1.3	0.24	1.20	
		16ER120UN	●	●		12	9.525	3.44	1.1	1.4	0.32	1.30	
		16ER110UN	●			11	9.525	3.44	1.1	1.5	0.29	1.42	
		16ER100UN	●			10	9.525	3.44	1.1	1.5	0.32	1.56	
		16ER090UN	●			9	9.525	3.44	1.2	1.7	0.35	1.73	
		16ER080UN	●			8	9.525	3.44	1.2	1.6	0.48	1.95	
		22ER070UN	●			7	12.7	4.64	1.6	2.3	0.47	2.22	
		22ER060UN	●			6	12.7	4.64	1.6	2.3	0.53	2.60	
22ER050UN	●			5	12.7	4.64	1.7	2.5	0.64	3.12			
Whitworth for BSW, BSP	Medium Class A	MMT16ER280W	●			28	9.525	3.44	0.6	0.7	0.09	0.58	Full form 
		16ER260W	●			26	9.525	3.44	0.7	0.8	0.10	0.63	
		16ER200W	●			20	9.525	3.44	0.8	0.9	0.18	0.81	
		16ER190W	●	●		19	9.525	3.44	0.8	1.0	0.19	0.86	
		16ER180W	●			18	9.525	3.44	0.8	1.0	0.20	0.90	
		16ER160W	●			16	9.525	3.44	0.9	1.1	0.23	1.02	
		16ER140W	●	●		14	9.525	3.44	1.0	1.2	0.26	1.16	
		16ER120W	●			12	9.525	3.44	1.1	1.4	0.30	1.36	
		16ER110W	●	●		11	9.525	3.44	1.1	1.5	0.33	1.48	
		16ER100W	●			10	9.525	3.44	1.1	1.5	0.37	1.63	
		16ER090W	●			9	9.525	3.44	1.2	1.7	0.34	1.81	
		16ER080W	●			8	9.525	3.44	1.2	1.5	0.39	2.03	
		22ER070W	●			7	12.7	4.64	1.6	2.3	0.46	2.32	
		22ER060W	●			6	12.7	4.64	1.6	2.3	0.53	2.71	
		22ER050W	●			5	12.7	4.64	1.7	2.4	0.66	3.25	
BSPT	Standard BSPT	MMT16ER280BSPT	●			28	9.525	3.44	0.6	0.6	0.09	0.58	Full form 
		16ER190BSPT	●	●		19	9.525	3.44	0.8	0.9	0.14	0.86	
		16ER140BSPT	●	●		14	9.525	3.44	1.0	1.2	0.26	1.16	
		16ER110BSPT	●	●		11	9.525	3.44	1.1	1.5	0.33	1.48	
Round DIN 405	7h	MMT16ER100RD	●			10	9.525	3.44	1.1	1.2	0.60	1.27	Full form 
		16ER080RD	●			8	9.525	3.44	1.4	1.3	0.75	1.59	
		16ER060RD	●			6	9.525	3.44	1.5	1.7	1.00	2.12	
		22ER040RD	●			4	9.525	3.44	2.2	2.3	1.51	3.18	

MMT G-CLASS GROUND INSERTS | THREADING

● : Inventory maintained. (Note:- Inserts packed in 5 piece boxes)

INTERNAL

Type	Thread Tolerance	Order Number	Coated		Pitch		Dimensions (mm)					Total Cutting Depth (mm)	Geometry	
			VP10MF	VP15TF	mm	thread/inch	D1	S1	Z1	Z2	Re			
American UN	2B	MMT11R320UN	●			32	6.35	3.04	0.6	0.6	0.04	0.46	Full form 	
		11R280UN	●			28	6.35	3.04	0.6	0.7	0.05	0.52		
		11R240UN	●				24	6.35	3.04	0.7	0.8	0.09		0.61
		11R200UN	●				20	6.35	3.04	0.8	0.9	0.11		0.73
		11R180UN	●				18	6.35	3.04	0.8	1.0	0.12		0.81
		11R160UN	●				16	6.35	3.04	0.9	1.1	0.14		0.92
		11R140UN	●				14	6.35	3.04	0.9	1.1	0.11		1.05
		16R320UN	●				32	9.525	3.44	0.6	0.6	0.04		0.46
		16R280UN	●				28	9.525	3.44	0.6	0.7	0.05		0.52
		16R240UN	●				24	9.525	3.44	0.7	0.8	0.09		0.61
		16R200UN	●				20	9.525	3.44	0.8	0.9	0.11		0.73
		16R180UN	●				18	9.525	3.44	0.8	1.0	0.12		0.81
		16R160UN	●	●			16	9.525	3.44	0.9	1.1	0.14		0.92
		16R140UN	●	●			14	9.525	3.44	0.9	1.2	0.11		1.05
		16R130UN	●				13	9.525	3.44	1.0	1.3	0.10		1.13
		16R120UN	●	●			12	9.525	3.44	1.1	1.4	0.18		1.22
		16R110UN	●				11	9.525	3.44	1.1	1.5	0.13		1.33
		16R100UN	●				10	9.525	3.44	1.1	1.5	0.15		1.47
		16R090UN	●				9	9.525	3.44	1.2	1.7	0.17		1.63
		16R080UN	●				8	9.525	3.44	1.1	1.5	0.27		1.83
		22R070UN	●				7	12.7	4.64	1.6	2.3	0.23		2.09
		22R060UN	●				6	12.7	4.64	1.6	2.3	0.26		2.44
22R050UN	●				5	12.7	4.64	1.6	2.3	0.32	2.93			
Whitworth for BSW, BSP	Medium Class A	MMT11R190W	●			19	6.35	3.04	0.8	1.0	0.19	0.86	Full form 	
		11R140W	●			14	6.35	3.04	0.9	1.1	0.26	1.16		
		16R280W	●				28	9.525	3.44	0.6	0.7	0.09		0.58
		16R260W	●				26	9.525	3.44	0.7	0.8	0.10		0.63
		16R200W	●				20	9.525	3.44	0.8	0.9	0.18		0.81
		16R190W	●	●			19	9.525	3.44	0.8	1.0	0.19		0.86
		16R180W	●				18	9.525	3.44	0.8	1.0	0.20		0.90
		16R160W	●				16	9.525	3.44	0.9	1.1	0.23		1.02
		16R140W	●	●			14	9.525	3.44	1.0	1.2	0.26		1.16
		16R120W	●				12	9.525	3.44	1.1	1.4	0.30		1.36
		16R110W	●	●			11	9.525	3.44	1.1	1.5	0.33		1.48
		16R100W	●				10	9.525	3.44	1.1	1.5	0.37		1.63
		16R090W	●				9	9.525	3.44	1.2	1.7	0.34		1.81
		16R080W	●				8	9.525	3.44	1.2	1.5	0.39		2.03
		22R070W	●				7	12.7	4.64	1.6	2.3	0.46		2.32
		22R060W	●				6	12.7	4.64	1.6	2.3	0.53		2.71
22R050W	●				5	12.7	4.64	1.7	2.4	0.66	3.25			
BSPT	Standard BSPT	MMT11R190BSPT	●			19	6.35	3.04	0.8	0.9	0.14	0.86	Full form 	
		11R140BSPT	●			14	6.35	3.04	0.9	1.0	0.26	1.16		
		16R190BSPT	●	●			19	9.525	3.44	0.8	0.9	0.14		0.86
		16R140BSPT	●	●			14	9.525	3.44	1.0	1.2	0.26		1.16
		16R110BSPT	●	●			11	9.525	3.44	1.1	1.5	0.33		1.48
Round DIN 405	7H	MMT16R100RD	●			10	9.525	3.44	1.1	1.2	0.55	1.27	Full form 	
		16R080RD	●			8	9.525	3.44	1.4	1.4	0.70	1.59		
		16R060RD	●				6	9.525	3.44	1.4	1.5	0.93		2.12
		22R040RD	●				4	12.7	4.64	2.2	2.3	1.40		3.18

MMT G-CLASS GROUND INSERTS



MMT G-CLASS GROUND INSERTS

EXTERNAL

Type	Thread Tolerance	Order Number	Coated VP10MF	Pitch		Dimensions (mm)					Total Cutting Depth (mm)	Geometry
				mm	thread/inch	D1	S1	Z1	Z2	Re		
ISO Trapezoidal 30°	7e	MMT16ER150TR	●	1.5		9.525	3.44	1.0	1.1	0.08	0.90	Semi-full form
		16ER200TR	●	2.0		9.525	3.44	1.1	1.3	0.15	1.25	
		16ER300TR	●	3.0		9.525	3.44	1.3	1.5	0.15	1.75	
		22ER400TR	●	4.0		12.7	4.64	1.7	1.9	0.15	2.25	
		22ER500TR	●	5.0		12.7	4.64	2.1	2.5	0.15	2.75	
American ACME	3G	MMT16ER120ACME	●		12	9.525	3.44	1.1	1.2	0.08	1.19	Semi-full form
		16ER100ACME	●		10	9.525	3.44	1.3	1.4	0.08	1.52	
		16ER080ACME	●		8	9.525	3.44	1.4	1.5	0.10	1.84	
		22ER060ACME	●		6	12.7	4.64	1.8	2.1	0.10	2.37	
		22ER050ACME	●		5	12.7	4.64	2.0	2.3	0.10	2.79	
UNJ	3A	MMT16ER320UNJ	●		32	9.525	3.44	0.6	0.7	0.13	0.46	Full form
		16ER280UNJ	●		28	9.525	3.44	0.7	0.7	0.14	0.52	
		16ER240UNJ	●		24	9.525	3.44	0.7	0.8	0.17	0.61	
		16ER200UNJ	●		20	9.525	3.44	0.8	0.9	0.20	0.73	
		16ER180UNJ	●		18	9.525	3.44	0.8	1.0	0.22	0.81	
		16ER160UNJ	●		16	9.525	3.44	0.9	1.1	0.25	0.92	
		16ER140UNJ	●		14	9.525	3.44	1.0	1.2	0.29	1.05	
		16ER120UNJ	●		12	9.525	3.44	1.1	1.3	0.33	1.22	
		16ER100UNJ	●		10	9.525	3.44	1.2	1.5	0.40	1.47	
		16ER080UNJ	●		8	9.525	3.44	1.2	1.6	0.51	1.83	
API Buttress Casing	Standard API	MMT22ER050APBU	●		5	12.7	4.64	3.1	1.9	0.18	1.55	Full form
API Round Casing & Tubing	Standard API RD	MMT16ER100APRD	●		10	9.525	3.44	1.2	1.4	0.34	1.41	Full form
		16ER080APRD	●		8	9.525	3.44	1.3	1.5	0.41	1.81	
American NPT	Standard NPT	MMT16ER270NPT	●		27	9.525	3.44	0.7	0.8	0.04	0.66	Full form
		16ER180NPT	●		18	9.525	3.44	0.8	1.0	0.08	1.01	
		16ER140NPT	●		14	9.525	3.44	0.9	1.2	0.09	1.33	
		16ER115NPT	●		11.5	9.525	3.44	1.1	1.5	0.11	1.64	
		16ER080NPT	●		8	9.525	3.44	1.3	1.8	0.14	2.42	
American NPTF	Class 2	MMT16ER270NPTF	●		27	9.525	3.44	0.7	0.8	0.04	0.64	Full form
		16ER180NPTF	●		18	9.525	3.44	0.8	1.0	0.04	1.00	
		16ER140NPTF	●		14	9.525	3.44	0.9	1.2	0.04	1.35	
		16ER115NPTF	●		11.5	9.525	3.44	1.1	1.5	0.04	1.63	
		16ER080NPTF	●		8	9.525	3.44	1.3	1.8	0.04	2.38	

MMT G-CLASS GROUND INSERTS | THREADING

● : Inventory maintained. (Note:- Inserts packed in 5 piece boxes)

INTERNAL

Type	Thread Tolerance	Order Number	Coated	Pitch		Dimensions (mm)					Total Cutting Depth (mm)	Geometry
			VP10MF			D1	S1	Z1	Z2	Re		
				mm	thread/inch							
ISO Trapezoidal 30°	7H	MMT16IR150TR	●	1.5		9.525	3.44	1.0	1.1	0.08	0.90	Semi-full form
		16IR200TR	●	2.0		9.525	3.44	1.1	1.3	0.15	1.25	
		16IR300TR	●	3.0		9.525	3.44	1.3	1.5	0.15	1.75	
		22IR400TR	●	4.0		12.7	4.64	1.7	1.9	0.15	2.25	
		22IR500TR	●	5.0		12.7	4.64	2.1	2.5	0.15	2.75	
American ACME	3G	MMT16IR120ACME	●		12	9.525	3.44	1.2	1.3	0.05	1.19	Semi-full form
		16IR100ACME	●		10	9.525	3.44	1.2	1.3	0.08	1.52	
		16IR080ACME	●		8	9.525	3.44	1.4	1.5	0.10	1.84	
		22IR060ACME	●		6	12.7	4.64	1.8	2.1	0.10	2.37	
		22IR050ACME	●		5	12.7	4.64	2.0	2.3	0.10	2.79	
UNJ		When machining an internal UNJ thread, cut an internal hole with the appropriate diameter. Then machine with 60° American UN. In this case, a full form type insert cannot be used.										
API Buttress Casing	Standard API	MMT22IR050APBU	●		5	12.7	4.64	2.8	1.9	0.18	1.55	Full form
API Round Casing & Tubing	Standard API RD	MMT16IR100APRD 16IR080APRD	● ●		10 8	9.525 9.525	3.44 3.44	1.2 1.3	1.4 1.5	0.34 0.41	1.41 1.81	Full form
American NPT	Standard NPT	MMT16IR270NPT	●		27	9.525	3.44	0.7	0.8	0.04	0.66	Full form
		16IR180NPT	●		18	9.525	3.44	0.8	1.0	0.08	1.01	
		16IR140NPT	●		14	9.525	3.44	0.9	1.2	0.09	1.33	
		16IR115NPT	●		11.5	9.525	3.44	1.1	1.5	0.11	1.64	
		16IR080NPT	●		8	9.525	3.44	1.3	1.8	0.14	2.42	
American NPTF	Class 2	MMT16IR140NPTF	●		14	9.525	3.44	0.9	1.2	0.04	1.35	Full form
		16IR115NPTF	●		11.5	9.525	3.44	1.1	1.5	0.04	1.63	
		16IR080NPTF	●		8	9.525	3.44	1.3	1.8	0.04	2.38	