

Applicable Toolholders & Inserts (Internal)

Metric Coarse Thread: M

Nominal Thread	Pitch (mm)	Internal Thread			Bore Dia.		
		Toolholder	Insert				
			Partial Profile	Full Profile			
M1	0.25	No Tools Available	—	—	0.73		
•					•		
•					•		
M3					2.46		
M4					3.24		
M5	0.5	—	HPTR04504-60 / VNTR045-11	—	4.13		
M6	1.0				4.92		
M7	1.0				5.92		
M8	1.25				—	HPTR06005-60 / VNTR060-11	6.65
M9	1.25				SINR0612S-06E	06IR60005	
M10	1.5	SINR0816S-08E	08IR60007	—	8.38		
M11	1.5	SINR0816S-08E	08IR60007	—	9.38		
M12	1.75	SINR0816S-08E	08IR60007	—	10.11		
M16	2.0	SINR1216S-11E	—	11IR200ISO	13.84		
M18	2.5	No Tools Available			15.29		
M20	2.5	No Tools Available			17.29		
M22	2.5	No Tools Available			19.29		
M24	3.0	SINR2016S-16	Table 4	16IR300ISO-OO	20.75		
M27	3.0	SINR2420S-22	22IRN60	22IR350ISO	23.75		
M30	3.5	SINR2420S-22		22IR400ISO	26.21		
M33	3.5			22IR450ISO	29.21		
M36	4.0	CINR3025S-22		22IR400ISO	31.67		
M39	4.0	CINR3025S-22		22IR450ISO	34.67		
M42	4.5	CINR3732S-22	22IR500ISO	37.19			
M45	4.5	CINR3732S-22		40.19			
M48	5.0	CINR3732S-22	22IR500ISO	42.59			
M52	5.0	CINR3732S-22		46.59			
M56	5.5	* Threading of M56 and over is not available due to too large pitch size.			50.05		

Metric Fine Thread: M

Part 2

Nominal Thread	Pitch (mm)	Internal Thread			Bore Dia.
		Toolholder	Insert		
			Partial Profile	Full Profile	
M17X1.5	1.5	SINR1516S-11	11IRA60	11IR150ISO-OO	15.38
M17X1.0	1.0		11IR60005	11IR100ISO-OO	15.92
M18X2.0	2.0	SINR1216S-11E	—	11IR200ISO	15.84
M18X1.5	1.5	SINR1516S-11	11IRA60	11IR150ISO-OO	16.38
M18X1.0	1.0		11IR60005	11IR100ISO-OO	16.92
M20X2.0	2.0	SINR1516S-11	—	11IR200ISO	17.84
M20X1.5	1.5		11IRA60	11IR150ISO-OO	18.38
M20X1.0	1.0	11IR60005	11IR100ISO-OO	18.92	
M22X2.0	2.0	SINR2016S-16	Table1	16IR200ISO-OO	19.84
M22X1.5	1.5	SINR2016S-16	Table2	16IR150ISO-OO	20.38
	1.0		Table3	16IR100ISO-OO	20.92
M24X2.0	2.0	SINR2016S-16	Table1	16IR200ISO-OO	21.84
M24X1.5	1.5		Table2	16IR150ISO-OO	22.38
M24X1.0	1.0		Table3	16IR100ISO-OO	22.92
M25X2.0	2.0	SINR2016S-16	Table1	16IR200ISO-OO	22.84
M25X1.5	1.5		Table2	16IR150ISO-OO	23.38
M25X1.0	1.0		Table3	16IR100ISO-OO	23.92
M26X1.5	1.5	SINR2420S-16	Table2	16IR150ISO-OO	24.38
M27X2.0	2.0	SINR2420S-16	Table1	16IR200ISO-OO	24.84
M27X1.5	1.5		Table2	16IR150ISO-OO	25.38
M27X1.0	1.0		Table3	16IR100ISO-OO	25.92
M28X2.0	2.0	SINR2420S-16	Table1	16IR200ISO-OO	25.84
M28X1.5	1.5		Table2	16IR150ISO-OO	26.38
M28X1.0	1.0		Table3	16IR100ISO-OO	26.92
M30X3.0	3.0	SINR2420S-22	—	22IR300ISO	26.75
	1.5	SINR2420S-16	Table4	16IR300ISO-OO	
M30X2.0	2.0	SINR2420S-16	Table1	16IR200ISO-OO	27.84
M30X1.5	1.5		Table2	16IR150ISO-OO	28.38
M30X1.0	1.0		Table3	16IR100ISO-OO	28.92
M32X2.0	2.0	SINR2420S-16	Table1	16IR200ISO-OO	29.84
M32X1.5	1.5	CINR3025S-16	Table2	16IR150ISO-OO	30.38
M33X3.0	3.0	SINR2420S-22	—	22IR300ISO	29.75
	1.5	SINR2420S-16	Table4	16IR300ISO-OO	
M33X2.0	2.0	CINR3025S-16	Table1	16IR200ISO-OO	30.84
M33X1.5	1.5		Table2	16IR150ISO-OO	31.38
M35X1.5	1.5	CINR3025S-16	Table2	16IR150ISO-OO	33.38
M36X3.0	3.0	CINR3025S-22	—	22IR300ISO	32.75
	1.5	CINR3025S-16	Table4	16IR300ISO-OO	
M36X2.0	2.0	CINR3025S-16	Table1	16IR200ISO-OO	33.84
M36X1.5	1.5		Table2	16IR150ISO-OO	34.38
M38X1.5	1.5	CINR3025S-16	Table2	16IR150ISO-OO	36.38
M39X3.0	3.0	CINR3025S-22	—	22IR300ISO	35.75
	1.5	CINR3025S-16	Table4	16IR300ISO-OO	
M39X2.0	2.0	CINR3025S-16	Table1	16IR200ISO-OO	36.84
M39X1.5	1.5	CINR3732S-16	Table2	16IR150ISO-OO	37.38
M40X3.0	3.0	CINR3025S-22	—	22IR300ISO	36.75
	1.5	CINR3025S-16	Table4	16IR300ISO-OO	
M40X2.0	2.0	CINR3732S-16	Table1	16IR200ISO-OO	37.84
M40X1.5	1.5		Table2	16IR150ISO-OO	38.38
M42X4.0	4.0	CINR3732S-22	22IRN60	22IR400ISO	37.67
M42X3.0	3.0	CINR3025S-16	—	22IR300ISO	38.75
	1.5		Table4	16IR300ISO-OO	
M42X2.0	2.0	CINR3732S-16	Table1	16IR200ISO-OO	39.84
M42X1.5	1.5		Table2	16IR150ISO-OO	40.38
M45X4.0	4.0	* Threading of M45 and over can be machined by the same tool for M42. (P=4.0, 3.0, 2.0, 1.5)			40.67

Table1 (P=2mm)

16IRG60
16IRAG60
16IR6001(-TS)

Table2 (P=1.5mm)

16IRA60
16IRAG60
16IR6001(-TS)

Table3 (P=1.0mm)

16IRA60
16IRAG60

Table4 (P=3mm)

16IRG60
16IRAG60

Metric Fine Thread: M

Part 1

Nominal Thread	Pitch (mm)	Internal Thread			Bore Dia.
		Toolholder	Insert		
			Partial Profile	Full Profile	
M 1x0.2	0.2	No Tools Available	—	—	0.78
•					•
•					•
M 5.5x0.5					4.96
M 6x0.75					0.75
M 7x0.75	0.75	—	HPTR06005-60 / VNTR045-11	6.20	
M 8x1.0	1.0	—	HPTR06005-60 / VNTR060-11	6.92	
	0.75	SINR0612S-06E	06IR60005		—
M 8x0.75	1.0	—	HPTR06005-60 / VNTR060-11	7.19	
	0.75	SINR0612S-06E	06IR60005		—
M 9x1.0	1.0	—	HPTR07507-60 / VNTR060-11	7.92	
	0.75	SINR0612S-06E	06IR60005		—
M 9x0.75	1.0	SINR0816S-08E	08IR60007	8.19	
	0.75	—	HPTR07507-60 / VNTR060-11		
M10x1.25	1.25	—	HPTR07507-60 / VNTR060-11	8.65	
	1.0	SINR0816S-08E	08IR60007		—
M10x1.0	1.25	—	HPTR07507-60 / VNTR060-11	8.92	
	1.0	SINR0816S-08E	08IR60007		—
M10x0.75	0.75	—	HPTR07507-60 / VNTR060-11	9.19	
	0.5	SINR0612S-06E	06IR60005		—
M11x1.0	1.0	—	HPTR07507-60 / VNTR060-11	9.92	
	0.75	SINR0816S-08E	08IR60007		—
M11x0.75	1.0	—	HPTR07507-60 / VNTR060-11	10.19	
	0.75	SINR0612S-06E	06IR60005		—
M12x1.5	1.5	SINR0816S-08E	08IR60007	—	10.38
M12x1.25	1.25				10.65
M12x1.0	1.0				10.92
M14x1.5	1.5	SINR1216S-11E	11IRA60	11IR150ISO-OO	12.38
	1.25		11IR125ISO-OO	12.65	
M14x1.0	1.0	11IR60005	11IR100ISO-OO	12.92	
M15x1.5	1.5	SINR1216S-11E	11IRA60	11IR150ISO-OO	13.38
	1.0		11IR60005	11IR100ISO-OO	13.92
M16x1.5	1.5	SINR1216S-11E	11IRA60	11IR150ISO-OO	14.38
	1.0		11IR60005	11IR100ISO-OO	14.92

• Above shows the usage example of applicable Toolholder / Insert.