

Applicable Toolholders & Inserts (Internal)

Metric Coarse Thread: M

Nominal Thread	Pitch (mm)	Internal Thread			
		Toolholder	Insert		Bore Dia.
Partial Profile	Full Profile				
M1 • • • M3	0.25	No Tools Available	—	—	0.73 • • • 2.46
M4	0.5				3.24
M5	0.7				4.13
M6	0.8				4.92
M7	1.0	—	HPTR04504-60 / VNTR045-11		5.92
M8	1.25	—	HPTR06005-60 / VNTR060-11		6.65
		SINR0612S-06E	06IR60005	—	
M9	1.25	SINR0612S-06E	06IR60005	—	7.65
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				17.29
M22	2.5				19.29
M24	3.0	SINR2016S-16	16IRAG60 / G60	16IR300ISO-○○	20.75
M27	3.0				23.75
M30	3.5	SINR2420S-22	—	22IR350ISO	26.21
M33	3.5				29.21
M36	4.0	CINR3025S-22	—	22IR400ISO	31.67
M39	4.0				34.67
M42	4.5	CINR3732S-22	—	22IR450ISO	37.19
M45	4.5				40.19
M48	5.0	CINR3732S-22	—	22IR500ISO	42.59
M52	5.0				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			
		Toolholder	Insert		Bore Dia.
			Partial Profile	Full Profile	
M17X1.5 M17X1.0	1.5 1.0	SINR1516S-11	11IRA60 11IR60005	11IR150ISO-○○ 11IR100ISO-○○	15.38 15.92
M18X2.0	2.0	SINR1216S-11E	—	11IR200ISO	15.84
M18X1.5 M18X1.0	1.5 1.0	SINR1516S-11	11IRA60 11IR60005	11IR150ISO-○○ 11IR100ISO-○○	16.38 16.92
M20X2.0	2.0	—	—	11IR200ISO	17.84
M20X1.5 M20X1.0	1.5 1.0	SINR1516S-11	11IRA60 11IR60005	11IR150ISO-○○ 11IR100ISO-○○	18.38 18.92
M22X2.0	2.0	SINR2016S-16 (Additional machining required)	Table1	16IR200ISO-○○	19.84
M22X1.5	1.5	SINR2016S-16	Table2	16IR150ISO-○○	20.38
M22X1.0	1.0		Table3	16IR100ISO-○○	20.92
M24X2.0	2.0	SINR2016S-16	Table1	16IR200ISO-○○	21.84
M24X1.5	1.5		Table2	16IR150ISO-○○	22.38
M24X1.0	1.0		Table3	16IR100ISO-○○	22.92
M25X2.0	2.0	SINR2016S-16	Table1	16IR200ISO-○○	22.84
M25X1.5	1.5		Table2	16IR150ISO-○○	23.38
M25X1.0	1.0		Table3	16IR100ISO-○○	23.92
M26X1.5	1.5	SINR2420S-16	Table2	16IR150ISO-○○	24.38
M27X2.0	2.0	SINR2420S-16	Table1	16IR200ISO-○○	24.84
M27X1.5	1.5		Table2	16IR150ISO-○○	25.38
M27X1.0	1.0		Table3	16IR100ISO-○○	25.92
M28X2.0	2.0	SINR2420S-16	Table1	16IR200ISO-○○	25.84
M28X1.5	1.5		Table2	16IR150ISO-○○	26.38
M28X1.0	1.0		Table3	16IR100ISO-○○	26.92
M30X3.0	3.0	SINR2420S-22	—	22IR300ISO	26.75
		SINR2420S-16	16IRG60 16IRAG60	16IR300ISO-○○	
M30X2.0	2.0	SINR2420S-16	Table1	16IR200ISO-○○	27.84
M30X1.5	1.5		Table2	16IR150ISO-○○	28.38
M30X1.0	1.0		Table3	16IR100ISO-○○	28.92
M32X2.0	2.0	SINR2420S-16	Table1	16IR200ISO-○○	29.84
M32X1.5	1.5	CINR3025S-16	Table2	16IR150ISO-○○	30.38
M33X3.0	3.0	SINR2420S-22	—	22IR300ISO	29.75
		SINR2420S-16	16IRG60 16IRAG60	16IR300ISO-○○	
M33X2.0	2.0	CINR3025S-16	Table1	16IR200ISO-○○	30.84
M33X1.5	1.5		Table2	16IR150ISO-○○	31.38
M35X1.5	1.5	CINR3025S-16	Table2	16IR150ISO-○○	33.38
M36X3.0	3.0	CINR3025S-22	—	22IR300ISO	32.75
M36X2.0	2.0	CINR3025S-16	Table1	16IR200ISO-○○	33.84
M36X1.5	1.5		Table2	16IR150ISO-○○	34.38
M38X1.5	1.5	CINR3025S-16	Table2	16IR150ISO-○○	36.38
M39X3.0	3.0	CINR3025S-22	—	22IR300ISO	35.75
M39X2.0	2.0	CINR3025S-16	Table1	16IR200ISO-○○	36.84
M39X1.5	1.5	CINR3732S-16	Table2	16IR150ISO-○○	37.38
M40X3.0	3.0	CINR3025S-22	—	22IR300ISO	36.75
M40X2.0	2.0	CINR3732S-16	Table1	16IR200ISO-○○	37.84
M40X1.5	1.5		Table2	16IR150ISO-○○	38.38
M42X4.0	4.0	CINR3732S-22	22IRN60	22IR400ISO	37.67
M42X3.0	3.0	CINR3732S-16	—	22IR300ISO	38.75
M42X2.0	2.0		Table1	16IR200ISO-○○	39.84
M42X1.5	1.5		Table2	16IR150ISO-○○	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

Metric Fine Thread: M

Part 1

Nominal Thread	Pitch (mm)	Internal Thread			Bore Dia.		
		Toolholder	Insert				
			Partial Profile	Full Profile			
M 1×0.2 • • • M 5.5×0.5	0.2 0.5	No Tools Available	—	—	0.78 • • • 4.96		
M 6×0.75	0.75				—	HPTR04504-60 / VNTR045-11	5.19
M 7×0.75	0.75				—	HPTR06005-60 / VNTR045-11	6.20
M 8×1.0	1.0				—	HPTR06005-60 / VNTR060-11	6.92
		SINR0612S-06E	06IR60005	—			
M 8×0.75	0.75	—	HPTR06005-60 / VNTR060-11	7.19			
		SINR0612S-06E	06IR60005		—		
M 9×1.0	1.0	—	HPTR07507-60 / VNTR060-11	7.92			
		SINR0612S-06E	06IR60005		—		
		SINR0816S-08E	08IR60007				
M 9×0.75	0.75	—	HPTR07507-60 / VNTR060-11	8.19			
		SINR0612S-06E	06IR60005		—		
M10×1.25	1.25	—	HPTR07507-60 / VNTR060-11	8.65			
M10×1.0	1.0	SINR0816S-08E	08IR60007	8.92			
		—	HPTR07507-60 / VNTR060-11				
		SINR0816S-08E	08IR60007		—		
M10×0.75	0.75	—	HPTR07507-60 / VNTR060-11	9.19			
		SINR0612S-06E	06IR60005		—		
M11×1.0	1.0	—	HPTR07507-60 / VNTR060-11	9.92			
		SINR0816S-08E	08IR60007		—		
		—	HPTR07507-60 / VNTR060-11				
M11×0.75	0.75	SINR0612S-06E	06IR60005	—	10.19		
M12×1.5	1.5	SINR0816S-08E	08IR60007	—	10.38		
M12×1.25	1.25				10.65		
M12×1.0	1.0				10.92		
M14×1.5	1.5	SINR1216S-11E	11IRA60	11IR150ISO- OO	12.38		
M14×1.25	1.25		11IR60005	11IR125ISO- OO	12.65		
M14×1.0	1.0		—	11IR100ISO- OO	12.92		
M15×1.5	1.5	SINR1216S-11E	11IRA60	11IR150ISO- OO	13.38		
M15×1.0	1.0		11IR60005	11IR100ISO- OO	13.92		
M16×1.5	1.5		SINR1216S-11E	11IRA60	11IR150ISO- OO	14.38	
		11IR60005		11IR100ISO- OO	14.92		

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