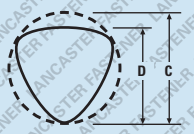
Tap-Fix® Screws

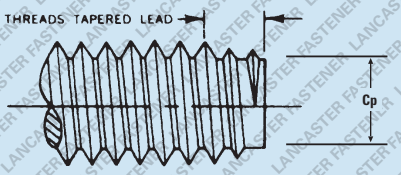
METRIC Series Thread Rolling Screws for Metal Applications

METRIC Series
Thread and Heads to DIN 7500

Head Dimensions, Thread Dimensions & Length Tolerances

SCREW SIZE DIA & PITCH	DIN 7500 HEAD DIMENSIONS															
	PAN				CSK (90°)				INDENTED WASHER HEXAGON				SOCKET CAP			
	FORM C DIN 7985				FORM M DIN 965				FORM D / DE SIMILAR				FORM E / EE SIMILAR			
	DIA MAX	DEPTH MAX	RECESS SIZE		DIA MAX	DEPTH REF	RECESS SIZE		HEX		WASHER DIA MAX	TOTAL DEPTH MAX	DIA MAX	DEPTH MAX	RECESS SIZE	
			CR (Z)	T-DRIVE®			CR (Z)	T-DRIVE®	A/F MAX	DEPTH MAX					T-DRIVE®	A/F
M2 X .4	4	1.72	1	T6	3.8	1.2	1	T6	-	-	-	-	3.80	2.00	-	1.50
M2.5 X .45	5	2.12	1	T8	4.7	1.5	1	T8	-	-	-	-	4.50	2.50	-	2.00
M3 X .5	6	2.52	1	T10	5.6	1.65	1	T10	5.0	1.90	6.30	2.40	5.50	3.00	-	2.50
M3.5 X .6	7	2.82	2	T15	6.5	1.93	2	T15	-	-	-	-	-	-	-	-
M4 X .7	8	3.25	2	T20	7.5	2.2	2	T20	5.5/7	2.80/3.20	8.30/8.80	3.50/4.10	7.00	4.00	T20	3.00
M5 X .8	10	3.95	2	T25	9.2	2.5	2	T25	8	3.40	10.40	4.50	8.50	5.00	T25	4.00
M6 X 1	12	4.75	3	T30	11	3	3	T30	10	4.00	13.00	5.20	10.00	6.00	T30	5.00
M8 X 1.25	16	6.15	4	T40	14.5	4	4	T40	13	5.60	16.90	7.00	13.00	8.00	T40	6.00
M10 X 1.5	20	7.68	4	T50	18	5	4	T50	17	7.16	22.10	9.00	16.00	10.00	T50	8.00





SCREW SIZE DIA & PITCH	THREAD & STRENGTH STANDARDS					TORSIONAL STRENGTH MIN Nm
	BODY DIAMETER				POINT DIA. Cp (Max)	
	C		D			
	MAX	MIN	MAX	MIN		
M2 x .4	2.06	1.98	1.98	1.90	1.67	0.5
M2.5 x .45	2.57	2.48	2.48	2.39	2.13	1.0
M3 x .5	3.07	2.98	2.97	2.88	2.58	1.5
M3.5 x .6	3.58	3.48	3.46	3.36	3.00	2.3
M4 x .7	4.08	3.98	3.94	3.84	3.40	3.4
M5 x .8	5.09	4.98	4.93	4.82	4.31	7.1
M6 x 1	6.10	5.97	5.90	5.77	5.13	12
M8 x 1.25	8.13	7.97	7.88	7.72	6.91	29
M10 x 1.5	10.15	9.97	9.85	9.67	8.69	59

SUGGESTED PILOT HOLE SIZES										
MATERIAL	S	A	S	A	S	A	S	A	S	A
THICKNESS	.5 - 2		1.5 - 3.5		3 - 6.5		6 - 8		8 - 12	
DIA & PITCH										
M2 X .4	1.75	1.7	1.8	1.75	-	-	-	-	-	-
M2.5 X .45	2.25	2.2	2.3	2.25	2.35	2.3	-	-	-	-
M3 X .5	2.7	2.6	2.75	2.7	2.8	2.75	-	-	-	-
M3.5 X .6	3.1	3.1	3.2	3.1	3.2	3.2	3.25	3.2	3.3	3.25
M4 X .7	3.6	-	3.7	3.6	3.75	3.7	3.75	3.7	3.8	3.75
M5 X .8	-	-	4.5	4.5	4.6	4.5	4.7	4.6	4.7	4.7
M6 X 1	-	-	5.4	5.4	5.5	5.4	5.6	5.5	5.7	5.6
M8 X 1.25	-	-	7.3	7.3	7.4	7.3	7.5	7.4	7.6	7.5
M10 X 1.5	-	-	-	-	9.25	9.2	9.3	9.25	9.4	9.3

LENGTH TOLERANCES		
SCREW SIZE	NOM LENGTH MM	TOL MM
M2 - M10	5mm	+/- 0.25
	6mm	+/- 0.25
	8mm	+/- 0.3
	10mm	+/- 0.3
	12mm	+/- 0.35
	16mm	+/- 0.35
	20mm	+/- 0.4
	25mm	+/- 0.4
	30mm	+/- 0.4
	40mm	+/- 0.5

Dimensions in Millimetres

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E. & O. E.
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