

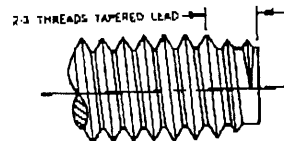
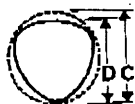
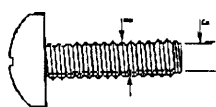
**METRIC SERIES**  
Threads and Heads to  
DIN 7500

**lap-ix Screws**

METRIC Series Thread Rolling Screws  
for Metal Applications

**Head, Thread & Length Tolerances**

SCREW SIZE DIA. & PITCH	HEAD DIMENSIONS								SCREW SIZE DIA. & PITCH
	C/R Pan (Z) FORM C DIN 7985				C/R Csk (Z) (90°) FORM M DIN 965				
	DIA. MAX	DEPTH MAX	RECESS SIZE		DIA. MAX	DEPTH (rel)	RECESS SIZE		
			Cruciform	TORX			Cruciform	TORX	
M2 x .4	4	1.72	1	T6	3.8	1.2	1	T6	M2 x .4
M2.5 x .45	5	2.12	1	T8	4.7	1.5	1	T8	M2.5 x .45
M3 x .5	6	2.52	1	T10	5.6	1.85	1	T10	M3 x .5
M3.5 x .6	7	2.82	2	T15	6.5	1.93	2	T15	M3.5 x .6
M4 x .7	8	3.25	2	T20	7.5	2.2	2	T20	M4 x .7
M5 x .8	10	3.95	2	T25	9.2	2.5	2	T25	M5 x .8
M6 x 1	12	4.75	3	T30	11	3	3	T30	M6 x 1
M8 x 1.25	16	6.15	4	T40	14.5	4	4	T40	M8 x 1.25
M10 x 1.5	20	7.68	4	T50	18	5	4	T50	M10 x 1.5



SCREW SIZE DIA. & PITCH	BODY DIAMETER				Point Dia. Cp (Max)	TORSIONAL STRENGTH NIR Nm
	C		D			
	MAX	MIN	MAX	MIN		
M2 x .4	2.06	2.00	1.98	1.92	1.67	0.5
M2.5 x .45	2.57	2.50	2.48	2.41	2.13	1.0
M3 x .5	3.07	3.00	2.97	2.90	2.58	1.5
M3.5 x .6	3.58	3.50	3.46	3.38	2.99	2.3
M4 x .7	4.08	4.00	3.94	3.86	3.40	3.4
M5 x .8	5.09	5.00	4.93	4.84	4.31	7.1
M6 x 1	6.10	6.00	5.90	5.80	5.12	12
M8 x 1.25	8.13	8.00	7.88	7.75	6.91	29
M10 x 1.5	10.15	10.00	9.85	9.70	8.69	59

Material	SUGGESTED PILOT HOLE SIZES									
	S	A	S	A	S	A	S	A	S	A
Thickness	5 - 2		1.5 - 3.5		3 - 6.5		6 - 8		9 - 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

SCREW SIZE	LENGTH TOLERANCES	
	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