Technical Data

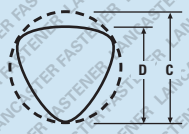
Tap-Fix® Screws

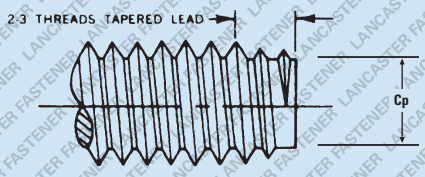
UNIFIED Series Thread Rolling Screws for Metal Applications

UNIFIED Series
UNC

Head Dimensions, Thread Dimensions & Length Tolerances

SCREW SIZE DIA & PITCH	HEAD DIMENSIONS													
	PAN				CSK (80°)				FORGED HEX		INDENTED WASHER HEX			
	ANSI B18.6.4				ANSI B18.6.4				ANSI B18.6.4		ANSI B18.6.4			
	DIA MAX	DEPTH MAX	RECESS SIZE		ABSOLUTE MAX DIA (SHARP EDGE)	DEPTH (ref)	RECESS SIZE		WIDTH A/F MAX	DEPTH MAX	HEX		WASHER DIA MAX	TOTAL DEPTH MAX
			CR (Z)	T-DRIVE®			CR (Z)	T-DRIVE®			A/F MAX	DEPTH MAX		
2 - 56	.167	.062	1	T8	.172	.051	1	T6	.125	.050	.125	.050	.166	.066
4 - 40	.219	.080	1	T10	.225	.067	1	T8	.188	.060	.188	.060	.243	.079
6 - 32	.270	.097	2	T15	.279	.083	2	T10	.250	.093	.250	.093	.328	.118
8 - 32	.322	.115	2	T20	.332	.100	2	T15	.250	.110	.250	.110	.348	.141
10 - 24/32	.373	.133	2	T25	.385	.116	2	T20	.312	.120	.312	.120	.414	.151
1/4 - 20	.492	.175	3	T30	.507	.153	3	T27	.375	.190	.375	.190	.520	.240
5/16 - 18	.615	.218	4	T40	.635	.191	4	T40	.500	.230	.500	.230	.676	.285
3/8 - 16	.740	.261	4	T45	.762	.230	4	T40	.562	.295	.562	.295	.780	.358





SCREW SIZE DIA & PITCH	THREAD & STRENGTH STANDARDS BODY DIAMETER C MAX	C MIN	D MAX	D MIN	POINT DIA. Cp (Max)	TORSIONAL STRENGTH MIN lbf in
2 - 56	.0875	.0835	.0840	.0800	.070	6
4 - 40	.1145	.1105	.1095	.1055	.090	16
6 - 32	.1410	.1350	.1350	.1290	.111	24
8 - 32	.1670	.1610	.1610	.1550	.137	52
10 - 24	.1940	.1880	.1860	.1800	.153	65
10 - 32	.1930	.1870	.1870	.1810	.163	81
1/4 - 20	.2550	.2490	.2450	.2390	.206	176
5/16 - 18	.3180	.3120	.3070	.3010	.264	340
3/8 - 16	.3810	.3750	.3685	.3625	.320	620

SUGGESTED PILOT HOLE SIZES										
MATERIAL	S	A	S	A	S	A	S	A	S	A
THICKNESS	.020 - .060		.060 - .125		.125 - .250		.250 - .315		.315 - .500	
DIA & PITCH										
2 - 56	.076	.076	.079	.079	.079	.079	-	-	-	-
4 - 40	.098	.098	.102	.100	.104	.102	-	-	-	-
6 - 32	.120	.120	.120	.120	.125	.125	.128	.125	-	-
8 - 32	-	-	.147	.147	.150	.150	.154	.152	-	-
10 - 24	-	-	.166	.166	.172	.166	.177	.170	-	-
10 - 32	-	-	.173	.173	.177	.173	.180	.177	-	-
1/4 - 20	-	-	.219	.219	.224	.221	.228	.224	.234	.228
5/16 - 18	-	-	.281	.281	.281	.281	.285	.285	.290	.287
3/8 - 16	-	-	-	-	.344	.339	.348	.344	.354	.348

LENGTH TOLERANCES		
SCREW SIZE	NOM. LENGTH INCHES	TOL INCHES
2.56 - 3/8.16	3/8 AND BELOW	+0/-0.031
	3/4 AND BELOW	+0/-0.031
	1 1/2 AND BELOW	+0/-0.046
	ABOVE 1 1/2	+0/-0.062

Dimensions in Inches

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E. & O. E.
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