

Drill & Tap Reference Data

Unified American National Screws

Drill & Tap Reference Data

SCREW SIZE		NUMBER OF THREADS PER INCH	TAP DRILL		CLEARANCE HOLE DRILL			
NUMBER	DECIMAL		DR. SIZE	DECIMAL	CLOSE FIT		FREE FIT	
					DR. SIZE	DECIMAL	DR. SIZE	DECIMAL
#000	.034	120	#71	.026	#63	.037	#57	.0430
#00	.047	96	#62	.038	#55	.052	#53	.0595
#0	.060	80	#56	.0465	#52	.0635	#50	.0700
#1	.073	64	#53	.0595	#48	.0760	#46	.0810
#1	.073	72	#53	.0595	#48	.0760	#46	.0810
#2	.086	56	#50	.0700	#43	.0890	#41	.0960
#2	.086	64	#50	.0700	#43	.0890	#41	.0960
#3	.099	48	#47	.0785	#37	.1040	#35	.1100
#3	.099	56	#45	.0820	#37	.1040	#35	.1100
#4	.112	40	#43	.0890	#32	.1160	#30	.1285
#4	.112	48	#42	.0935	#32	.1160	#30	.1285
#5	.125	40	#38	.1015	#30	.1285	#29	.1360
#5	.125	44	#37	.1040	#30	.1285	#29	.1360
#6	.138	32	#36	.1065	#27	.1440	#25	.1495
#6	.138	40	#33	.1130	#27	.1440	#25	.1495
#8	.164	32	#29	.1360	#18	.1695	#16	.1770
#8	.164	36	#29	.1360	#18	.1695	#16	.1770
#10	.190	24	#25	.1495	#9	.1960	#7	.2010
#10	.190	32	#21	.1590	#9	.1960	#7	.2010
#12	.216	24	#16	.1770	#2	.2210	I	.2280
#12	.216	28	#14	.1820	#2	.2210	I	.2280
1/4	.250	20	#7	.2010	F	.2570	H	.2660
1/4	.250	28	#3	.2130	F	.2570	H	.2660
5/16	.3125	18	F	.2570	P	.3230	Q	.3320
5/16	.3125	24	I	.2720	P	.3230	Q	.3320
3/8	.375	16	5/16	.3125	W	.3860	X	.3970
3/8	.375	24	Q	.3320	W	.3860	X	.3970
7/16	.4375	14	U	.3680	29/64	.4531	15/32	.4687
7/16	.4375	20	25/64	.3906	29/64	.4531	15/32	.4687
1/2	.500	13	27/64	.4219	33/64	.5156	17/32	.5312
1/2	.500	20	29/64	.4531	33/64	.5156	17/32	.5312

NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE	NO.	SIZE
#1	.2280	#17	.1730	#33	.1130	#49	.0730	#65	.0350	A	.234
#2	.2210	#18	.1695	#34	.1110	#50	.0700	#66	.0330	B	.238
#3	.2130	#19	.1660	#35	.1100	#51	.0670	#67	.0320	C	.242
#4	.2090	#20	.1610	#36	.1065	#52	.0635	#68	.0310	D	.246
#5	.2055	#21	.1590	#37	.1040	#53	.0595	#69	.0295	E	.250
#6	.2040	#22	.1570	#38	.1015	#54	.0550	#70	.0280	F	.257
#7	.2010	#23	.1540	#39	.0995	#55	.0520	#71	.0260	G	.261
#8	.1990	#24	.1520	#40	.0980	#56	.0465	#72	.0250	H	.266
#9	.1960	#25	.1495	#41	.0960	#57	.0430	#73	.0240	I	.272
#10	.1935	#26	.1470	#42	.0935	#58	.0420	#74	.0225	J	.277
#11	.1910	#27	.1440	#43	.0890	#59	.0410	#75	.0210	K	.281
#12	.1890	#28	.1405	#44	.0860	#60	.0400	#76	.0200	L	.290
#13	.1850	#29	.1360	#45	.0820	#61	.0390	#77	.0180	M	.295
#14	.1820	#30	.1285	#46	.0810	#62	.0380	#78	.0160	N	.302
#15	.1800	#31	.1200	#47	.0785	#63	.0370	#79	.0145	O	.316
#16	.1770	#32	.1160	#48	.0760	#64	.0360	#80	.0135	P	.323

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