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FED. SUP CLASS
5133

STANDARD DRILL SIZES

DRILL SIZE	DEC EQUIV	DRILL SIZE	DEC EQUIV	DRILL SIZE	DEC EQUIV	DRILL SIZE	DEC EQUIV
80	.0135	43	.089	8	.109	25/64	.3906
79	.0145	42	.0935	7	.201	X	.397
1/64	.0156	3/32	.0938	13/64	.2031	Y	.404
78	.016	41	.096	6	.204	13/32	.4062
77	.018	40	.098	5	.2055	Z	.413
76	.020	39	.0995	4	.209	27/64	.4219
75	.021	38	.1015	3	.213	7/16	.4375
74	.0225	37	.104	7/32	.2188	29/64	.4531
73	.024	36	.1065	2	.221	15/32	.4688
72	.025	7/64	.1094	1	.228	31/64	.4844
71	.026	35	.110	A	.234	1/2	.500
70	.028	34	.111	15/64	.2344	33/64	.5156
69	.0292	33	.113	B	.238	17/32	.5312
68	.031	32	.116	C	.242	35/64	.5469
1/32	.0312	31	.120	D	.246	9/16	.5625
67	.032	1/8	.125	1/4(E)	.250	3/4	.5781
66	.033	30	.1285	F	.257	19/32	.5938
65	.035	29	.136	G	.261	39/64	.6094
64	.036	28	.1405	17/64	.2656	5/8	.625
63	.037	9/64	.1406	H	.266	41/64	.6406
62	.038	27	.144	I	.272	21/32	.6562
61	.039	26	.147	J	.277	43/64	.6719
60	.040	25	.1495	K	.281	11/16	.6875
59	.041	24	.152	9/32	.2812	45/64	.7031
58	.042	23	.154	L	.290	23/32	.7188
57	.043	5/32	.1562	M	.295	47/64	.7344
56	.0465	22	.157	19/64	.2969	3/4	.750
3/64	.0469	21	.159	N	.302	49/64	.7656
55	.052	20	.161	5/16	.3125	25/32	.7812
54	.055	19	.166	O	.316	51/64	.7969
53	.0595	18	.1695	P	.323	13/16	.8125
1/16	.0625	11/64	.1719	21/64	.3281	53/64	.8281
52	.0635	17	.173	Q	.332	27/32	.8438
51	.067	16	.177	R	.339	55/64	.8594
50	.070	15	.180	11/32	.3438	7/8	.875
49	.073	14	.182	S	.348	57/64	.8906
48	.076	13	.185	T	.358	29/32	.9062
5/64	.0781	3/16	.1875	23/64	.3594	59/64	.9219
47	.0785	12	.189	U	.368	15/16	.9375
46	.081	11	.191	3/8	.375	61/64	.9531
45	.082	10	.1935	V	.377	31/32	.9688
44	.086	9	.196	W	.386	63/64	.9844

STANDARD DRILLED HOLE TOLERANCES:

FOR HOLES DRILLED WITH A DRILLING MACHINE USING SUITABLE JIGS AND FIXTURES, THE HOLE TOLERANCES DEPEND UPON THE DIAMETER OF THE HOLE AND INCREASE AS THE HOLE DIAMETER INCREASES. THE FOLLOWING ARE STANDARD TOLERANCES FOR GENERAL MACHINE WORK AND APPLY IN ALL CASES EXCEPT WHERE GREATER OR LESSER ACCURACY IS REQUIRED BY THE DESIGN:

HOLE DIA	TOLERANCES
.0135 THRU .125	+0.004 -.001
.126 THRU .250	+0.005 -.001
.251 THRU .500	+0.006 -.001
.501 THRU .750	+0.008 -.001
.751 THRU 1.000	+0.010 -.001
1.001 THRU 2.000	+0.012 -.001

THIS DRAWING FORMS A PART OF THE AIR FORCE-NAVY AERONAUTICAL STANDARD DRAFTING ROOM MANUAL.

⑥ STANDARD REACTIVATED 16 SEP 1974

AIR FORCE-NAVY AERONAUTICAL DESIGN STANDARD		AND10387
P.A. NAVY-AS	OTHER CUST: USAF-71	
DRILL SIZES AND DRILLED HOLE TOLERANCES-TWIST		NOT A PART NUMBER

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