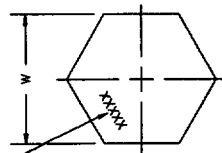


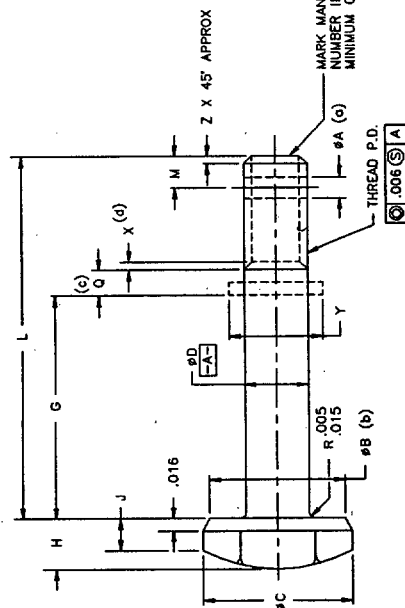
THE REQUIREMENTS FOR ACQUIRING THE PRODUCT(S) DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE ISSUE OF THE FOLLOWING SPECIFICATION LISTED IN THAT ISSUE OF THE DODDS SPECIFIED IN THE SOLICITATION: MIL-B-83050

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

IDENTIFY PARTS IN ACCORDANCE WITH NAS1347 TYPE IV EXCEPT CHARACTERS TO BE .010 INCH MINIMUM.



(E) DENOTES CHANGE(S)



MARK MANUFACTURER'S LOT NUMBER IN .010 INCH MINIMUM CHARACTERS.

FIRST DASH NO	NOMINAL DIAMETER	THREAD DESIGNATION (d)	A (d)		B		C		D		H		M		Q		J		W		Y		Z		
			MAX	MIN	MIN	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
-3	.1900	1900-32 UNF-3A	.080	.070	.358	.413	.1894	.1885	.110	.095	.083	.120	.074	.083	.120	.074	.083	.120	.074	.376	.367	.225	.196	.041	.021
-4	.2500	2500-28 UNF-3A	.086	.076	.422	.488	.2482	.2483	.141	.126	.080	.151	.105	.104	.120	.105	.104	.120	.105	.439	.430	.294	.256	.041	.021
-5	.3125	3125-24 UNF-3A	.086	.076	.484	.557	.3117	.3108	.172	.157	.105	.151	.120	.125	.120	.125	.125	.120	.125	.502	.492	.380	.320	.057	.037
-6	.3750	3750-24 UNF-3A	.116	.106	.546	.628	.3742	.3733	.204	.189	.105	.166	.120	.146	.120	.146	.126	.126	.146	.554	.553	.445	.382	.057	.037
-7	.4375	4375-20 UNF-3A	.116	.106	.609	.698	.4367	.4358	.235	.220	.110	.197	.120	.166	.120	.166	.146	.146	.120	.627	.617	.514	.450	.057	.037
-8	.5000	5000-20 UNF-3A	.116	.106	.734	.840	.4991	.4982	.266	.251	.110	.229	.120	.188	.120	.188	.168	.168	.120	.752	.741	.599	.510	.057	.037
-9	.5625	5625-18 UNF-3A	.151	.141	.858	.978	.5616	.5607	.287	.282	.115	.260	.120	.208	.120	.208	.188	.188	.120	.870	.865	.711	.582	.072	.052
-10	.6250	6250-18 UNF-3A	.151	.141	.922	1.050	.6241	.6232	.328	.313	.115	.287	.120	.228	.120	.228	.208	.208	.120	.948	.940	.787	.645	.087	.067
-12	.7500	7500-16 UNF-3A	.151	.141	1.047	1.194	.7491	.7482	.391	.376	.147	.320	.120	.269	.120	.269	.249	.249	.120	1.064	1.052	.900	.755	.087	.067
-14	.8750	8750-14 UNF-3A	.151	.141	1.314	1.493	.8741	.8732	.454	.439	.147	.352	.120	.310	.120	.310	.290	.290	.120	1.252	1.243	1.050	.880	.087	.067
-16	1.0000	1.0000-12 UNF-3A	.151	.141	1.422	1.615	.9991	.9982	.516	.501	.147	.383	.120	.351	.120	.351	.331	.331	.120	1.440	1.427	1.200	1.010	.087	.067

(g) COTTER PIN HOLE SHALL BE WITHIN 0.010 INCH OF BOLT DIAMETER CENTERLINE AND SHALL BE PERPENDICULAR TO BOLT SHANK AXIS. COUNTERSINK TO DEBURR.

(b) RADIUS RELIEF OR CHAMFER TO B DIA.

(c) RETAINING ELEMENTS SHALL BE LOCATED WITHIN THE LIMITS OF Q DIMENSION.

(d) THREAD: IN ACCORDANCE WITH MIL-S-8879 EXCEPT THAT INCOMPLETE THREAD, LENGTH X SHALL BE A MAXIMUM OF 1-1/2 AND A MINIMUM OF 1/2 THREAD PITCHES IN LENGTH AND MAJOR DIA. TO BE 0.001 BELOW MINIMUM SHANK DIAMETER.

INCH-POUND

Form Approved  
OMB No. 0704-0188

INTERNATIONAL INTEREST  
ASCC AIR STD  
17/2

PREPARING ACTIVITY: DLA-IS  
CUSTODIANS: ARMY- AV NAVY- AS  
AIR FORCE- 99 DLA-  
REVIEW: IS, 82  
USER:  
PROJECT NUMBER: 5306-1696

TITLE  
MILITARY SPECIFICATION SHEET  
BOLT, SELF-RETAINING, IMPEDANCE TYPE,  
95 KSI FSU, HEX HEAD, 450°F

SPECIFICATION SHEET NUMBER  
MS27576 E 18 OCT 93  
SUPERSEDING  
MS27576 D 25 JAN 1978  
AMSC- N/A FSC 5306

DISTRIBUTION STATEMENT

A. Approved for public release; distribution is unlimited.

Page 1 of 4

DD Form 672, MAY 88

PREVIOUS EDITIONS ARE OBSOLETE

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Form Approved  
OMB No. 0704-0188

TABLE II

NOMINAL SIZE	SHANK ULTIMATE DOUBLE SHEAR STRENGTH LBS MIN	BOLT ULTIMATE TENSILE STRENGTH LBS MIN
0.1900	5,380	2,530
0.2500	9,300	4,680
0.3125	14,600	7,510
0.3750	21,000	11,540
0.4375	28,600	15,560
0.5000	37,300	21,160
0.5625	47,200	26,870
0.6250	58,300	34,100
0.7500	83,900	39,800
0.8750	114,200	55,840
1.0000	149,200	74,000

MATERIALS: BOLT: ALLOY STEEL: SEE PROCUREMENT SPECIFICATION.  
CRES STEEL: 17-4PH (UNS 17400) IN ACCORDANCE WITH AMS5643 EXCEPT THAT AGING TEMPERATURE SHALL NOT BE LESS THAN 1000°F OR 13-8 MO (UNS 13800) IN ACCORDANCE WITH AMS 5629.

RETAINING ELEMENT: 17-4PH (UNS 17400) IN ACCORDANCE WITH AMS5643, 17-7PH IN ACCORDANCE WITH AMS5644 OR AMS5678, <sup>(E)</sup> OR 440C CRES STEEL (UNS 44004) IN ACCORDANCE WITH QQ-S-763.

SURFACE FINISH: UNTHREADED SHANK AND BEARING SURFACE UNDER HEAD: 63/ IN ACCORDANCE WITH ANSI/ASME B46.1.

ALL OTHER SURFACES: 125/ IN ACCORDANCE WITH ANSI/ASME B46.1.

HEAT TREATMENT: IN ACCORDANCE WITH MIL-H-6875 TO ROCKWELL C36 TO C41.

PROTECTIVE TREATMENT: ALLOY STEEL: CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 2.

CRES STEEL: PASSIVATE IN ACCORDANCE WITH QQ-P-35.

BOLTS SHALL BE FREE FROM ALL BURRS AND SLIVERS, BREAK ALL SHARP EDGES.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR  $\pm 0.010$ , ANGULAR  $\pm 2^\circ$ .

EXAMPLES OF PART NUMBER: MS27576-4-24 .250-28 UNJF-3A ALLOY STEEL BOLT, .250 INCH NOMINAL DIAMETER, 1.50 NOMINAL GRIP.

GRIP IN SIXTEENTHS OF AN INCH.  
NOMINAL DIAMETER SIZE IN SIXTEENTHS OF AN INCH.  
ALLOY STEEL  
BOLT, SELF-RETAINING, IMPEDANCE TYPE.

MS27576C4-24 .250-28 UNJF-3A CORROSION-RESISTANT STEEL BOLT, .250 INCH NOMINAL DIAMETER, 1.50 NOMINAL GRIP.  
GRIP IN SIXTEENTHS OF AN INCH.  
NOMINAL DIAMETER SIZE IN SIXTEENTHS OF AN INCH.  
CORROSION-RESISTANT STEEL  
BOLT, SELF-RETAINING, IMPEDANCE TYPE.

CERTAIN PROVISIONS (THE ACROSS FLATS DIMENSION) OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ASCC AIR STD 17/2. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED, THE DEPARTMENTAL CUSTODIAN WILL INFORM THEIR RESPECTIVE DEPARTMENTAL STANDARDIZATION OFFICE SO THAT APPROPRIATE ACTION MAY BE TAKEN RESPECTING THE INTERNATIONAL AGREEMENT CONCERNED.

IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS STANDARD AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS STANDARD SHALL TAKE PRECEDENCE.

REFERENCED GOVERNMENT (OR NON-GOVERNMENT) DOCUMENTS OF THE ISSUE LISTED IN THAT ISSUE OF THE DEPARTMENT OF DEFENSE INDEX OF SPECIFICATIONS AND STANDARDS (DODISS) SPECIFIED IN THE SOLICITATION FORM A PART OF THIS STANDARD TO THE EXTENT SPECIFIED HEREIN.

INTERNATIONAL INTEREST  
ASCC AIR STD  
17/2

PREPARING ACTIVITY: DLA-IS  
CUSTODIANS: ARMY- AV NAVY-AS  
AIR FORCE- 99 DLA-

REVIEW: IS, 82  
USER:  
PROJECT NUMBER: 5306-1696

DISTRIBUTION STATEMENT

## MILITARY SPECIFICATION SHEET

TITLE  
BOLT, SELF-RETAINING, IMPEDANCE TYPE,  
95 KSI FSU, HEX HEAD, 450°F

SPECIFICATION SHEET NUMBER

MS27576 E 18 OCT 93

SUPERSEDING  
MS27576 D 25 JAN 1978

AMSC- N/A FSC 5306

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Page 2 of 4

DD Form 672, MAY 88

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THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

Form Approved  
OMB No. 0704-0188

2ND DASH NO	FIRST DASH NO		-3	-4	-5	-6	-7	-8	-9	-10	-12	-14	-16
	G-GRIP LENGTH												
	MAX	MIN											
03	.204	.188	.570	.616									
04	.266	.250	.632	.678	.738	.799							
05	.328	.312	.695	.741	.800	.861							
06	.390	.375	.757	.803	.863	.924	.968	1.031					
07	.454	.438	.820	.866	.925	.986	1.030	1.093	1.234	1.296			
08	.516	.500	.882	.928	.988	1.049	1.093	1.156	1.296	1.359	1.523	1.630	1.742
09	.578	.562	.945	.991	1.050	1.111	1.155	1.218	1.359	1.421	1.585	1.692	1.804
10	.641	.625	1.007	1.053	1.113	1.174	1.218	1.281	1.421	1.484	1.647	1.755	1.867
11	.704	.688	1.070	1.116	1.175	1.236	1.280	1.343	1.484	1.546	1.710	1.818	1.930
12	.766	.750	1.132	1.178	1.238	1.299	1.343	1.406	1.546	1.609	1.772	1.880	1.992
13	.828	.812	1.195	1.241	1.300	1.361	1.405	1.468	1.609	1.671	1.835	1.942	2.054
14	.891	.875	1.257	1.303	1.363	1.424	1.468	1.531	1.671	1.734	1.897	2.005	2.117
15	.954	.938	1.320	1.366	1.425	1.486	1.530	1.593	1.734	1.796	1.960	2.068	2.180
16	1.016	1.000	1.382	1.428	1.488	1.549	1.593	1.656	1.796	1.859	2.023	2.130	2.242
17	1.078	1.062	1.445	1.491	1.550	1.611	1.655	1.718	1.859	1.921	2.085	2.192	2.304
18	1.141	1.125	1.507	1.553	1.613	1.674	1.718	1.781	1.921	1.984	2.147	2.255	2.367
19	1.204	1.188	1.570	1.616	1.675	1.736	1.780	1.843	1.984	2.046	2.209	2.318	2.430
20	1.266	1.250	1.632	1.678	1.738	1.799	1.843	1.906	2.046	2.109	2.272	2.380	2.492
21	1.328	1.312	1.695	1.741	1.800	1.861	1.905	1.968	2.109	2.171	2.335	2.442	2.554
22	1.391	1.375	1.757	1.803	1.863	1.924	1.968	2.031	2.171	2.234	2.397	2.505	2.617
23	1.454	1.438	1.820	1.866	1.925	1.986	2.030	2.093	2.234	2.296	2.460	2.568	2.680
24	1.516	1.500	1.882	1.928	1.988	2.049	2.093	2.156	2.296	2.359	2.522	2.630	2.742
25	1.578	1.562	1.945	1.991	2.050	2.111	2.155	2.218	2.359	2.421	2.585	2.692	2.804
26	1.641	1.625	2.007	2.053	2.113	2.174	2.218	2.281	2.421	2.484	2.647	2.755	2.867
27	1.704	1.688	2.070	2.116	2.175	2.236	2.280	2.343	2.484	2.546	2.710	2.818	2.930
28	1.766	1.750	2.132	2.178	2.238	2.299	2.343	2.406	2.546	2.609	2.772	2.880	2.992
29	1.828	1.812	2.195	2.241	2.300	2.361	2.405	2.468	2.609	2.671	2.835	2.942	3.054
30	1.891	1.875	2.257	2.303	2.363	2.424	2.468	2.531	2.671	2.734	2.897	3.005	3.117
31	1.954	1.938	2.320	2.366	2.425	2.486	2.530	2.593	2.734	2.796	2.960	3.068	3.180
32	2.016	2.000	2.382	2.428	2.488	2.549	2.593	2.656	2.796	2.859	3.023	3.130	3.242
33	2.078	2.062	2.445	2.491	2.550	2.611	2.655	2.718	2.859	2.921	3.085	3.192	3.304
34	2.141	2.125	2.507	2.553	2.613	2.674	2.718	2.781	2.921	2.984	3.147	3.255	3.367
35	2.204	2.188	2.570	2.616	2.675	2.736	2.780	2.843	2.984	3.046	3.209	3.318	3.430
36	2.266	2.250	2.632	2.678	2.738	2.799	2.843	2.906	3.046	3.109	3.272	3.380	3.492
37	2.328	2.312	2.695	2.741	2.800	2.861	2.905	2.968	3.109	3.171	3.335	3.442	3.554
38	2.391	2.375	2.757	2.803	2.863	2.924	2.968	3.031	3.171	3.234	3.397	3.505	3.617
39	2.454	2.438	2.820	2.866	2.925	2.986	3.030	3.093	3.234	3.296	3.460	3.568	3.680
40	2.516	2.500	2.882	2.928	2.988	3.049	3.093	3.156	3.296	3.359	3.522	3.630	3.742
41	2.578	2.562	2.945	2.991	3.050	3.111	3.155	3.218	3.359	3.421	3.585	3.692	3.804
42	2.641	2.625	3.007	3.053	3.113	3.174	3.218	3.281	3.421	3.484	3.647	3.755	3.867
43	2.704	2.688	3.070	3.116	3.175	3.236	3.280	3.343	3.484	3.546	3.710	3.818	3.930
44	2.766	2.750	3.132	3.178	3.238	3.299	3.343	3.406	3.546	3.609	3.772	3.880	3.992
45	2.828	2.812	3.195	3.241	3.300	3.361	3.405	3.468	3.609	3.671	3.835	3.942	4.054
46	2.891	2.875	3.257	3.303	3.363	3.424	3.468	3.531	3.671	3.734	3.897	4.005	4.117
47	2.954	2.938	3.320	3.366	3.425	3.486	3.530	3.593	3.734	3.796	3.960	4.068	4.180
48	3.016	3.000	3.382	3.428	3.488	3.549	3.593	3.656	3.796	3.859	4.023	4.130	4.242
49	3.078	3.062	3.445	3.491	3.550	3.611	3.655	3.718	3.859	3.921	4.085	4.192	4.304
50	3.141	3.125	3.507	3.553	3.613	3.674	3.718	3.781	3.921	3.984	4.147	4.255	4.367
51	3.204	3.188	3.570	3.616	3.675	3.736	3.780	3.843	3.984	4.046	4.209	4.318	4.430
52	3.266	3.250	3.632	3.678	3.738	3.799	3.843	3.906	4.046	4.109	4.272	4.380	4.492
53	3.328	3.312	3.695	3.741	3.800	3.861	3.905	3.968	4.109	4.171	4.335	4.442	4.554
54	3.390	3.375	3.757	3.803	3.863	3.924	3.968	4.031	4.171	4.234	4.397	4.505	4.617
55	3.454	3.438	3.820	3.866	3.925	3.986	4.030	4.093	4.234	4.296	4.460	4.568	4.680
56	3.516	3.500	3.882	3.928	3.988	4.049	4.093	4.156	4.296	4.359	4.522	4.630	4.742
57	3.578	3.562	3.945	3.991	4.050	4.111	4.155	4.218	4.359	4.421	4.585	4.692	4.804
58	3.641	3.625	4.007	4.053	4.113	4.174	4.218	4.281	4.421	4.484	4.647	4.755	4.867
59	3.704	3.688	4.070	4.116	4.175	4.236	4.280	4.343	4.484	4.546	4.710	4.818	4.930
60	3.766	3.750	4.132	4.178	4.238	4.299	4.343	4.406	4.546	4.609	4.772	4.880	4.992
61	3.828	3.812	4.195	4.241	4.300	4.361	4.405	4.468	4.609	4.671	4.835	4.942	5.054
62	3.891	3.875	4.257	4.303	4.363	4.424	4.468	4.531	4.671	4.734	4.897	5.005	5.117

INTERNATIONAL INTEREST  
ASCC AIR STD  
17/2

PREPARING ACTIVITY: DLA-IS  
CUSTODIANS: ARMY- AV NAVY- AS  
AIR FORCE- 99 DLA-

REVIEW: IS, 82  
USER:  
PROJECT NUMBER: 5306-1696

DISTRIBUTION STATEMENT

# MILITARY SPECIFICATION SHEET

TITLE  
BOLT, SELF-RETAINING, IMPEDANCE TYPE,  
95 KSI FSU, HEX HEAD, 450°F

SPECIFICATION SHEET NUMBER

MS27576 E 18 OCT 93

SUPERSEDING  
MS27576 D 25 JAN 1978

AMSC- N/A FSC 5306

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Page 3 of 4

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Form Approved  
OMB No. 0704-0188

2ND DASH NO	FIRST DASH NO		-3	-4	-5	-6	-7	-8	-9	-10	-12	-14	-16
	G-GRIP LENGTH		L	L	L	L	L	L	L	L	L	L	L
	MAX	MIN	±.010	±.010	±.010	±.010	±.010	±.010	±.010	±.010	±.010	±.010	±.010
63	3.953	3.937	4.320	4.366	4.425	4.486	4.530	4.593	4.734	4.796	4.960	5.068	5.180
64	4.016	4.000	4.382	4.425	4.488	4.549	4.593	4.656	4.796	4.859	5.023	5.130	5.242
65	4.078	4.062	4.445	4.491	4.550	4.611	4.655	4.718	4.859	4.921	5.085	5.192	5.304
66	4.141	4.125	4.507	4.553	4.613	4.674	4.718	4.781	4.921	4.984	5.147	5.255	5.367
67	4.203	4.188	4.570	4.616	4.675	4.736	4.780	4.843	4.984	5.046	5.209	5.318	5.430
68	4.266	4.250	4.632	4.678	4.738	4.799	4.843	4.906	5.046	5.109	5.272	5.380	5.492
69	4.328	4.312	4.695	4.741	4.800	4.861	4.905	4.968	5.109	5.171	5.335	5.442	5.554
70	4.391	4.375	4.757	4.803	4.863	4.924	4.968	5.031	5.171	5.234	5.397	5.505	5.617
71	4.454	4.438	4.820	4.866	4.925	4.986	5.030	5.093	5.234	5.296	5.460	5.568	5.680
72	4.516	4.500	4.882	4.928	4.988	5.049	5.093	5.156	5.296	5.359	5.522	5.630	5.742
73	4.578	4.562	4.945	4.991	5.050	5.111	5.155	5.218	5.359	5.421	5.585	5.692	5.804
74	4.641	4.625	5.007	5.053	5.113	5.174	5.218	5.281	5.421	5.484	5.647	5.755	5.867
75	4.704	4.688	5.070	5.116	5.175	5.236	5.280	5.343	5.484	5.546	5.710	5.818	5.930
76	4.766	4.750	5.132	5.178	5.238	5.299	5.343	5.406	5.546	5.609	5.772	5.880	5.992
77	4.828	4.812	5.195	5.241	5.300	5.361	5.405	5.468	5.609	5.671	5.835	5.942	6.054
78	4.891	4.875	5.257	5.303	5.363	5.424	5.468	5.531	5.671	5.734	5.897	6.005	6.117
79	4.953	4.937	5.320	5.366	5.425	5.486	5.530	5.593	5.734	5.796	5.960	6.068	6.180
80	5.016	5.000	5.382	5.428	5.488	5.549	5.593	5.656	5.796	5.859	6.023	6.130	6.242
81	5.078	5.062	5.445	5.491	5.550	5.611	5.655	5.718	5.859	5.921	6.085	6.192	6.304
82	5.141	5.125	5.507	5.553	5.613	5.674	5.718	5.781	5.921	5.984	6.147	6.255	6.367
83	5.203	5.188	5.570	5.616	5.675	5.736	5.780	5.843	5.984	6.046	6.209	6.318	6.430
84	5.266	5.250	5.632	5.678	5.738	5.799	5.843	5.906	6.046	6.109	6.272	6.380	6.492
85	5.328	5.312	5.695	5.741	5.800	5.861	5.905	5.968	6.109	6.171	6.335	6.442	6.554
86	5.391	5.375	5.757	5.803	5.863	5.924	5.968	6.031	6.171	6.234	6.397	6.505	6.617
87	5.454	5.438	5.820	5.866	5.925	5.986	6.030	6.093	6.234	6.296	6.460	6.568	6.680
88	5.516	5.500	5.882	5.928	5.988	6.049	6.093	6.156	6.296	6.359	6.522	6.630	6.742
89	5.578	5.562	5.945	5.991	6.050	6.111	6.155	6.218	6.359	6.421	6.585	6.692	6.804
90	5.641	5.625	6.007	6.053	6.113	6.174	6.218	6.281	6.421	6.484	6.647	6.755	6.867
91	5.704	5.688	6.070	6.116	6.175	6.236	6.280	6.343	6.484	6.546	6.710	6.818	6.930
92	5.766	5.750	6.132	6.178	6.238	6.299	6.343	6.406	6.546	6.609	6.772	6.880	6.992
93	5.828	5.812	6.195	6.241	6.300	6.361	6.405	6.468	6.609	6.671	6.835	6.942	7.054
94	5.891	5.875	6.257	6.303	6.363	6.424	6.468	6.531	6.671	6.734	6.897	7.005	7.117
95	5.953	5.937	6.320	6.366	6.425	6.486	6.530	6.593	6.734	6.796	6.960	7.068	7.180
96	6.016	6.000	6.382	6.428	6.488	6.549	6.593	6.656	6.796	6.859	7.023	7.130	7.242
97	6.078	6.062	6.445	6.491	6.550	6.611	6.655	6.718	6.859	6.921	7.085	7.192	7.304
98	6.141	6.125	6.507	6.553	6.613	6.674	6.718	6.781	6.921	6.984	7.147	7.255	7.367
99	6.203	6.188	6.570	6.616	6.675	6.736	6.780	6.843	6.984	7.046	7.209	7.318	7.430
100	6.266	6.250	6.632	6.678	6.738	6.799	6.843	6.906	7.046	7.109	7.272	7.380	7.492
101	6.328	6.312	6.695	6.741	6.800	6.861	6.905	6.968	7.109	7.171	7.335	7.442	7.554
102	6.391	6.375	6.759	6.803	6.863	6.924	6.968	7.031	7.171	7.234	7.397	7.505	7.617
103	6.454	6.438	6.820	6.866	6.925	6.986	7.030	7.093	7.234	7.296	7.460	7.568	7.680
104	6.516	6.500	6.882	6.928	6.988	7.049	7.093	7.156	7.296	7.359	7.522	7.630	7.742
105	6.578	6.562	6.945	6.991	7.050	7.111	7.155	7.218	7.359	7.421	7.585	7.692	7.804
106	6.641	6.625	7.007	7.053	7.113	7.174	7.218	7.281	7.421	7.484	7.647	7.755	7.867
107	6.704	6.688	7.070	7.116	7.175	7.236	7.280	7.343	7.484	7.546	7.710	7.818	7.930
108	6.766	6.750	7.132	7.178	7.238	7.299	7.343	7.406	7.546	7.609	7.772	7.880	7.992
109	6.828	6.812	7.195	7.241	7.300	7.361	7.405	7.468	7.609	7.671	7.835	7.942	8.054
110	6.891	6.875	7.257	7.303	7.363	7.424	7.468	7.531	7.671	7.734	7.897	8.005	8.117
111	6.954	6.938	7.320	7.366	7.425	7.486	7.530	7.593	7.734	7.796	7.960	8.068	8.180
112	7.016	7.000	7.382	7.428	7.488	7.549	7.593	7.656	7.796	7.859	8.023	8.130	8.242
113	7.078	7.062	7.445	7.491	7.550	7.611	7.655	7.718	7.859	7.921	8.085	8.192	8.304
114	7.141	7.125	7.507	7.553	7.613	7.674	7.718	7.781	7.921	7.984	8.147	8.255	8.367
115	7.204	7.188	7.570	7.616	7.675	7.736	7.780	7.843	7.984	8.046	8.209	8.318	8.430
116	7.266	7.250	7.632	7.678	7.738	7.799	7.843	7.906	8.046	8.109	8.272	8.380	8.492
117	7.328	7.312	7.695	7.741	7.800	7.861	7.905	7.968	8.109	8.171	8.335	8.442	8.554
118	7.391	7.375	7.757	7.803	7.863	7.924	7.968	8.031	8.171	8.234	8.397	8.505	8.617
119	7.454	7.438	7.820	7.866	7.925	7.986	8.030	8.093	8.234	8.296	8.460	8.568	8.680
120	7.516	7.500	7.882	7.928	7.988	8.049	8.093	8.156	8.296	8.359	8.522	8.630	8.742
121	7.578	7.562	7.945	7.991	8.050	8.111	8.155	8.218	8.359	8.421	8.585	8.692	8.804
122	7.641	7.625	8.007	8.053	8.113	8.174	8.218	8.281	8.421	8.484	8.647	8.755	8.867
123	7.704	7.688	8.070	8.116	8.175	8.236	8.280	8.343	8.484	8.546	8.710	8.818	8.930
124	7.766	7.750	8.132	8.178	8.238	8.299	8.343	8.406	8.546	8.609	8.772	8.880	8.992

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