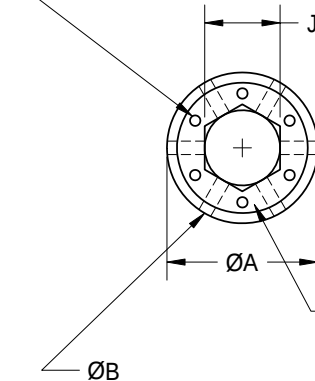


FED. SUPPLY CLASS

5305

WHEN SELF-LOCKING ELEMENT IS SPECIFIED:
HEAD MARKING OF A MINIMUM OF SIX (6)
DOTS, RAISED OR DEPRESSED, IS REQUIRED.
TOP OR SIDE LOCATION OPTIONAL.
(SCREW SIZES 04 AND LARGER)



IDENTIFICATION
SEE NOTE /14/

FOR NUMBER OF HOLES,
SEE NOTE /13/

30° TO 45°
/15/

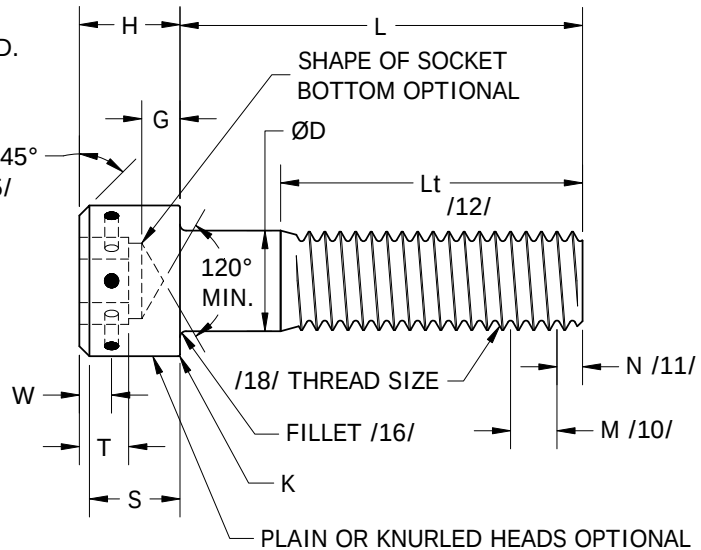


TABLE I – DIMENSIONS AND STRENGTH VALUES

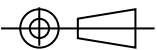
NOMINAL SIZE DASH NO	THREAD SIZE /18/	ØD BODY		ØA HEAD		H HEAD HEIGHT		S HEAD SIDE HEIGHT MIN	J SOCKET SIZE NOMINAL	T KEY ENGAGEMENT MIN	G WALL THICKNESS MIN	K CHAMFER OR RADIUS MAX
		MAX	MIN	MAX	MIN	MAX	MIN					
01	.0730-64	.073	.0695	.118	.112	.073	.070	.066	.062	.031	.025	.003
02	.0860-56	.086	.0822	.140	.134	.086	.083	.077	.078	.038	.029	.003
03	.0990-48	.099	.0949	.161	.154	.099	.095	.089	.078	.044	.034	.003
04	.1120-40	.112	.1075	.183	.176	.112	.108	.101	.094	.051	.038	.005
06	.1380-32	.138	.1329	.226	.218	.138	.134	.124	.109	.064	.047	.005
08	.1640-32	.164	.1585	.270	.262	.164	.159	.148	.141	.077	.056	.005
3	.1900-24	.190	.1840	.312	.303	.190	.185	.171	.156	.090	.065	.005
4	.2500-20	.250	.2435	.375	.365	.250	.244	.225	.188	.120	.095	.008
5	.3125-18	.3125	.3053	.469	.457	.312	.306	.281	.250	.151	.119	.008
6	.3750-16	.375	.3678	.562	.550	.375	.368	.337	.312	.182	.143	.008
7	.4375-14	.4375	.4294	.656	.642	.437	.430	.394	.375	.213	.166	.010
8	.5000-13	.500	.4919	.750	.735	.500	.492	.450	.375	.245	.190	.010
10	.6250-11	.625	.6163	.937	.921	.625	.616	.562	.500	.307	.238	.010
12	.7500-10	.750	.7406	1.125	1.107	.750	.740	.675	.625	.370	.285	.010
14	.8750-9	.875	.8647	1.312	1.293	.875	.864	.787	.750	.432	.333	.015
16	1.0000-8	1.000	.9886	1.500	1.479	1.000	.988	.900	.750	.495	.380	.015
20	1.2500-7	1.250	1.2336	1.875	1.852	1.250	1.236	1.125	.875	.620	.475	.015
24	1.5000-6	1.500	1.4818	2.250	2.224	1.500	1.485	1.350	1.000	.745	.570	.015

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REVISION DATE.

REVISION DATE: MAY 31, 2016
ISSUE DATE: APRIL 1962

THIRD
ANGLE
PROJECTION



PROCUREMENT
SPECIFICATION

NOTED

CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION

13

TITLE

**SCREW, CAP, SOCKET HEAD, UNDRILLED AND DRILLED, PLAIN
AND SELF-LOCKING, ALLOY STEEL, CORROSION-RESISTANT
STEEL AND HEAT-RESISTANT STEEL, UNRC-3A AND UNRC-2A**

CLASSIFICATION
PART STANDARD

NAS1352
SHEET 1 OF 6

TABLE I – DIMENSIONS AND STRENGTH VALUES (CONTINUED)

NOMINAL SIZE DASH NO	L _t MINIMUM BASIC THREAD LENGTH /12/	SAFETY WIRE HOLE WHEN SPECIFIED				MINIMUM BREAKING STRENGTH, LBF		
		W DRILLED HOLE LOCATION		ØB DRILLED HOLE /13/		ALLOY STEEL	CORROSION RESISTANT STEEL	HEAT RESISTANT STEEL
		MAX	MIN	MAX	MIN			
01	.625	/13/	/13/	/13/	/13/	470	210	412
02						665	300	592
03						875	390	780
04	.750	.040	.026	.039	.033	1,090	480	966
06		.050	.035			1,640	730	1,458
08	.875	.060	.040	.050	.044	2,520	1,120	2,240
3		.065	.045			3,150	1,400	2,800
4	1.000	.085	.065	.067	.061	~~5,400~~ 5,700 /17/	2,540	5,090
5	1.125	.104	.084			~~8,900~~ 9,400 /17/	4,190	8,380
6	1.250	.123	.103			~~13,200~~ 13,900 /17/	6,200	12,410
7	1.375	.141	.121			~~18,100~~ 19,100 /17/	8,500	17,010
8	1.500	.160	.140	.097	.091	~~24,100~~ 25,500 /17/	11,300	22,700
10	1.750	.198	.178			38,400	18,100	36,200
12	2.000	.235	.215			56,800	23,400	53,500
14	2.250	.273	.253			78,500	32,300	73,900
16	2.500	.310	.290			103,000	42,400	96,950
20	3.125					165,000	67,800	155,100
24	3.750					239,000	98,300	225,000

MATERIAL:

ALLOY STEEL IN ACCORDANCE WITH PROCUREMENT SPEC FF-S-86.

CORROSION-RESISTANT STEEL IN ACCORDANCE WITH PROCUREMENT SPEC FF-S-86.

HEAT-RESISTANT STEEL CONFORMING TO CHEMISTRY OF AMS5731 (UNS S66286) OR AMS5737 (UNS S66286) COLD WORKED AND AGE HARDENED TO MEET THE FASTENER REQUIREMENTS OF FF-S-86 AND THIS STANDARD.

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

- BLACK OXIDE IN ACCORDANCE WITH MIL-DTL-13924, CLASS 1.

CORROSION-RESISTANT STEEL -CADMIUM PLATE IN ACCORDANCE WITH AMS-QQ-P-416, TYPE I, CLASS 2.

- SILVER FLASH IN ACCORDANCE WITH AMS2411.

- PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 1, TYPE 6 OR TYPE 7, CLASS 4. (13)

- PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 1, TYPE 8, CLASS 4 - NO POST TREATMENT. (13)

- PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 2 - NO POST TREATMENT. (13)

HEAT-RESISTANT STEEL - SILVER FLASH IN ACCORDANCE WITH AMS2411.

- PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 1, TYPE 2 OR TYPE 8, CLASS 4. (13)

- PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 1, TYPE 8, CLASS 4 - NO POST TREATMENT. (13)

- PASSIVATE IN ACCORDANCE WITH AMS2700, METHOD 2 - NO POST TREATMENT. (13)

- BLACK OXIDE IN ACCORDANCE WITH MIL-DTL-13924, CLASS 3.

- CADMIUM PLATE IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2.

REVISION

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NAS1352

SHEET 2



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