

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 DODISS SPECIFIED IN THE SOLICITATION: MIL-S-21472

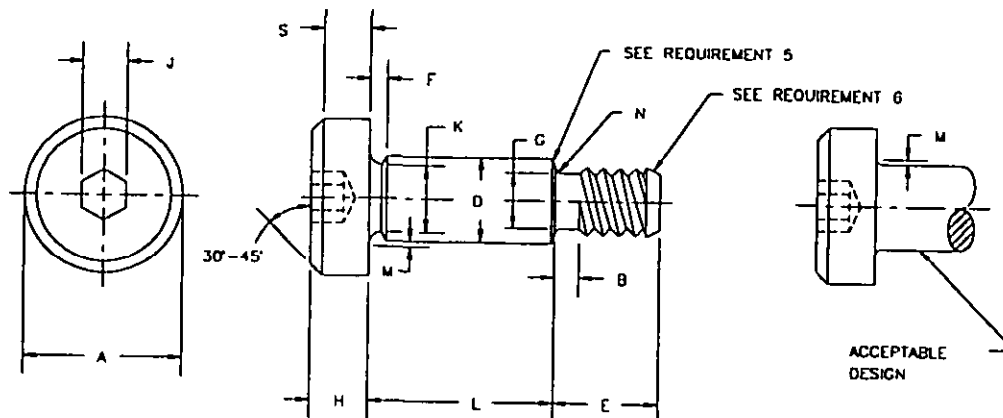


TABLE I.

NOMINAL SIZE		.250	.3125	.375	.500	.625	.750	1.000	1.250
THREADS (UNC-3A)		.1900-24	.2500-20	.3125-18	.3750-16	.5000-13	.6250-11	.7500-10	.8750-9
D SHOULDER DIAMETER	MAX	.2480	.3105	.3730	.4980	.6230	.7480	.9980	1.2480
	MIN	.2460	.3085	.3710	.4960	.6210	.7460	.9960	1.2460
A HEAD DIAMETER	MAX	.375	.438	.562	.750	.875	1.000	1.312	1.750
	MIN	.357	.419	.543	.729	.853	.977	1.267	1.723
H HEAD HEIGHT	MAX	.188	.219	.250	.312	.375	.500	.625	.750
	MIN	.177	.209	.240	.302	.365	.490	.610	.735
S HEAD SIZE HEIGHT	MIN	.157	.183	.209	.262	.315	.421	.527	.633
E THREAD LENGTH	MAX	.375	.438	.500	.625	.750	.875	1.000	1.125
	MIN	.355	.418	.480	.595	.720	.845	.970	1.095
G THREAD NECK DIAMETER	MAX	.142	.193	.249	.304	.414	.521	.638	.750
	MIN	.133	.182	.237	.291	.397	.502	.616	.726
B THREAD NECK WIDTH	MAX	.083	.100	.111	.125	.154	.182	.200	.222
J SOCKET WIDTH ACROSS FLATS	NOM	.125	.156	.188	.250	.312	.375	.500	.625
K SHOULDER NECK DIAMETER	MIN	.227	.289	.352	.477	.602	.727	.877	1.227
F SHOULDER NECK WIDTH	MAX	.093	.093	.093	.093	.093	.093	.125	.125
N THREAD NECK FILLET	MAX	.023	.028	.031	.035	.042	.051	.055	.062
	MIN	.017	.022	.025	.029	.036	.045	.049	.056
M HEAD FILLET	MAX	.014	.017	.020	.026	.032	.039	.050	.060
	MIN	.009	.012	.015	.020	.024	.030	.040	.050
2/ SHEAR STRENGTH	SINGLE MIN	1,170	2,180	3,700	5,580	10,400	16,600	25,000	34,800
	DOUBLE MIN	7,980	12,550	18,150	32,450	59,900	73,400	130,800	204,850
1/ TENSILE STRENGTH	LBS-MIN	1,950	3,640	6,170	9,310	17,300	27,700	41,700	58,000

1/ Ultimate tensile strength of 140,000 psi min, based on the minimum thread neck area.

2/ Single shear strength of 84,000 psi min in thread neck area, based on the minimum thread neck area. Double shear strength of 168,000 psi min in shoulder area, based on the minimum shoulder.

(E) DENOTES CHANGE(S)

INCH-POUND

PREPARING ACTIVITY: DLA-15 CUSTODIANS: ARMY- AR      NAVY- SH AIR FORCE- 99	MILITARY SPECIFICATION SHEET TITLE SCREW, SHOULDER - SOCKET HEAD, HEXAGON, ALLOY STEEL, CADMIUM PLATED, UNC-3A	SPECIFICATION SHEET NUMBER <b>MS51975</b> J MAR 95 REV C
REVIEW: GSA,82 USER: PROJECT NUMBER: 5305-2074		SUPERSEDING MS51975D      25 APR 94 (SEE NOTE 6)
DISTRIBUTION STATEMENT		AMSC-      N/A      FSC 5305
A. Approved for public release; distribution is unlimited.		Page <u>1</u> of <u>1</u>

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

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Form Approved  
OMB No. 0704-0188

TABLE II

NOMINAL SIZE		.250	.3125	.375	.500	.625	.750	1.000	1.250	
THREADS (UNC-3A)		.1900-24	.2500-20	.3125-18	.3750-16	5000-13	6250-11	7500-10	.8750-9	
L SHOULDER LENGTH	TOL	DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER	
.375		1								
.500		2	8	16		38*				
.625		3	9	17		39*				
.750		4	10	18	28	40*				
.875						41*				
1.000	±.005	5	11	19	29	42*	51*			
1.250		6	12	20	30	43	52*			
1.500		7	13	21	31	44	53	60*		
1.750			14	22	32	45	54	61*	71*	
2.000			15	23	33	46	55	62*	72*	
2.250					24	34	47	56	63*	73*
2.500					25	35	48	57	64*	74*
2.750				26	36	49	58	65*	75*	
3.000				27	37	50	59	66*	76*	
3.500							61	68*	77*	
3.750						80				
4.000								70*	78*	

\* Indicates manufacturer's non-stock production item.

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PREPARING ACTIVITY: DLA-IS  
CUSTODIANS: ARMY-AR NAVY-SH  
AIR FORCE-99  
REVIEW (GSA,82)  
USER:  
PROJECT NUMBER: 5305-2074

MILITARY SPECIFICATION SHEET  
TITLE  
SCREW, SHOULDER - SOCKET HEAD, HEXAGON,  
ALLOY STEEL, CADMIUM PLATED, UNC-3A

SPECIFICATION SHEET NUMBER  
MS51975 3 MAR 95  
REV E  
SUPERSEDING  
MS51975D 25 APR 94 (SEE NOTE 6)  
AMSC- N/A FSC 5305

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