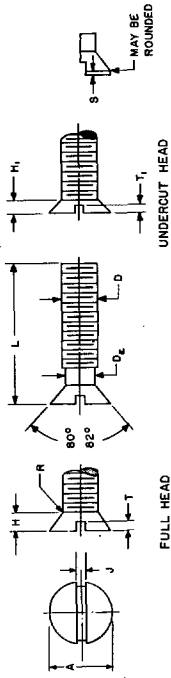


This standard has been approved by the Naval Ship Engineering Center, Department of the NAVY and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.



PROJECT 5305-N024Sh

NOMINAL SIZE NO. OR INCH THREAD PER INCH	2 (0.086)		4 (0.112)		6 (0.138)		8 (0.164)		10 (0.190)		1/4 20UNC	
	58NC	DASH NO.	40NC	DASH NO.	32NC	DASH NO.	32NC	DASH NO.	24NC	DASH NO.	24NC	DASH NO.
BODY DIAMETER (De)	MAX. 0.0860		0.1120		0.1380		0.1640		0.1900		0.2500	
	MIN. .0717		.0925		.1141		.1399		.1586		.2127	
HEAD DIAMETER (A)	MAX. SHARP .172		.225		.279		.332		.385		.507	
	MIN. SHARP .156		.207		.257		.308		.359		.477	
	ABS. MIN. .150		.200		.249		.300		.348		.462	
SLOT WIDTH (t)	MAX. .081		.089		.048		.054		.060		.075	
	MIN. .023		.031		.039		.045		.050		.064	
FLAT (S)	MAX. .003		.004		.005		.006		.007		.009	
RADIUS (R)	MAX. .036		.050		.063		.083		.100		.133	
	MIN. .040		.055		.069		.084		.098		.131	
FULL HEAD	MAX. .023		.030		.038		.045		.053		.070	
	MIN. .015		.020		.024		.029		.034		.046	
UNDERCUT HEAD	MAX. .037		.048		.060		.071		.083		.108	
	MIN. .026		.036		.046		.055		.065		.086	
	MAX. .019		.025		.032		.037		.044		.058	
	MIN. .015		.020		.024		.029		.034		.046	
LENGTH (L)	DASH NO.		DASH NO.		DASH NO.		DASH NO.		DASH NO.		DASH NO.	
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TOLERANCE	DASH NO.		DASH NO.									

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FED. SUP CLASS  
5305

NOMINAL SIZE (NO. OR INCH) THREADS PER INCH BODY DIAMETER (D <sub>B</sub> )	5/16		3/8		7/16		1/2		5/8		3/4	
	18UNC	0.3125	16UNC	0.3750	14UNC	0.4375	13UNC	0.5000	11UNC	0.6250	10UNC	0.7500
MAX.	.2712	.3287	.3850	.4435	.5020	.5605	.6190	.6775	.7360	.7945	.8530	.9115
MIN.	.655	.722	.789	.856	.923	.990	.1.057	.1.124	.1.191	.1.258	.1.325	.1.392
HEAD DIAMETER (A)	.600	.700	.800	.900	.1.000	.1.100	.1.200	.1.300	.1.400	.1.500	.1.600	.1.700
MIN. SHARP	.581	.700	.800	.900	.1.000	.1.100	.1.200	.1.300	.1.400	.1.500	.1.600	.1.700
ABS. MIN.	.084	.081	.078	.075	.072	.069	.066	.063	.060	.057	.054	.051
MAX.	.072	.081	.081	.081	.081	.081	.081	.081	.081	.081	.081	.081
SLOT WIDTH (J)	.011	.013	.015	.017	.019	.021	.023	.025	.027	.029	.031	.033
FLAT (S)	.111	.143	.175	.207	.239	.271	.303	.335	.367	.399	.431	.463
RADIUS (R)	.191	.230	.269	.308	.347	.386	.425	.464	.503	.542	.581	.620
MAX.	.165	.200	.235	.270	.305	.340	.375	.410	.445	.480	.515	.550
MIN.	.088	.106	.124	.142	.160	.178	.196	.214	.232	.250	.268	.286
FULL HEAD	.058	.070	.082	.094	.106	.118	.130	.142	.154	.166	.178	.190
MIN.	.135	.162	.189	.216	.243	.270	.297	.324	.351	.378	.405	.432
MAX.	.109	.132	.155	.178	.201	.224	.247	.270	.293	.316	.339	.362
UNDERCUT HEAD	.073	.085	.097	.109	.121	.133	.145	.157	.169	.181	.193	.205
MIN.	.058	.070	.082	.094	.106	.118	.130	.142	.154	.166	.178	.190
MAX.												
LENGTH (L)	1/8	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/4
LENGTH TOLERANCE												
DASH NO.												

1/ HAVE UNDERCUT HEAD.

NOTES

- MATERIAL: MATERIAL SHALL BE COPPER-SILICON ALLOY IN ACCORDANCE WITH QQ-C-591, COPPER ALLOY NO. 651.
- THREADS: THREADS SHALL BE IN ACCORDANCE WITH HANDBOOK H-28.
- DIMENSIONS: ALL DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE SPECIFIED.
- REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS.
- FOR-DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

APPROVED 8 MAY 1957 REVISED (B) FOR CHANGES SEE SHEETS 1 AND 2.

P. A. SHIPS Other Cust	TITLE <b>SCREWS, MACHINE, FLAT COUNTERSUNK HEAD, SLOTTED, COPPER-SILICON ALLOY, UNC-2A, NONMAGNETIC</b>	MILITARY STANDARD <b>MS16218(SHIPS)</b>
PROCUREMENT SPECIFICATION ① FT-5-92	SUPERSEDES:	SHEET 2