

FED. SUPPLY CLASS

5305

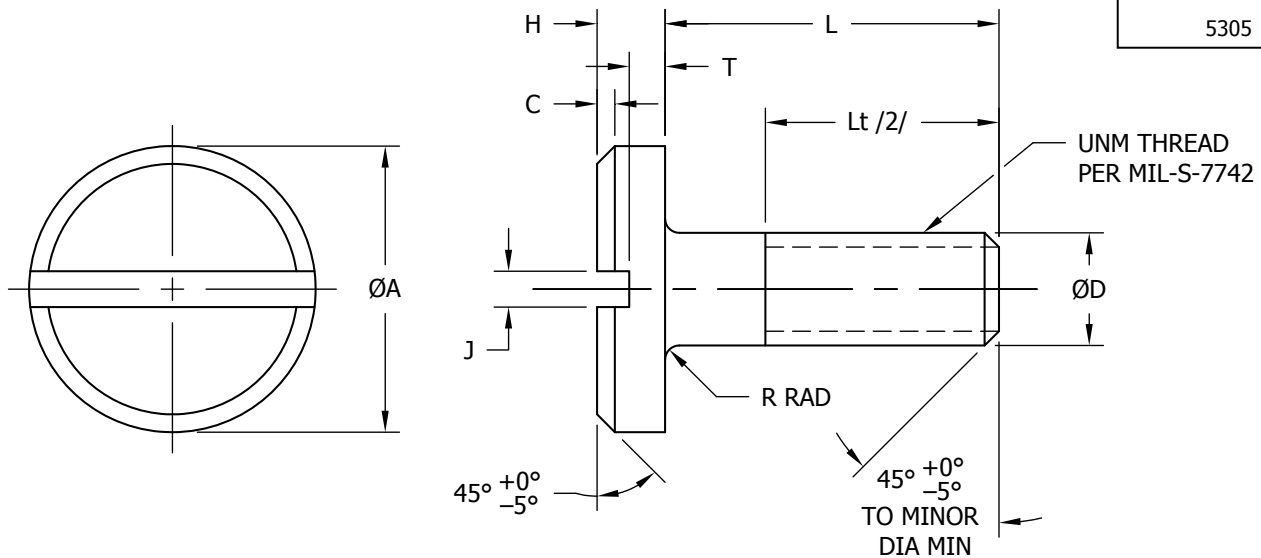


TABLE I – DIMENSIONS

SIZE DESIGNATION /a/	THDS PER INCH	ØD BASIC MAJOR	HEAD DIMENSIONS										
			ØA HEAD		H HEAD HGT		J SLOT WIDTH		T SLOT DEPTH #5/		C CHAM	R RAD	
			MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MIN
/a/ .40 UNM	254	.0157	.041	.039	.010	.008	.006	.004	.005	.003	.002	.004	.002
.45 UNM	254	.0177	.045	.043	.011	.009	.006	.004	.006	.004	.002	.004	.002
/a/ .50 UNM	203	.0197	.051	.049	.012	.010	.008	.005	.006	.004	.003	.004	.002
.55 UNM	203	.0217	.056	.054	.014	.012	.008	.005	.007	.005	.003	.004	.002
/a/ .60 UNM	169	.0236	.062	.058	.016	.013	.010	.007	.008	.006	.004	.006	.003
.70 UNM	145	.0276	.072	.068	.018	.015	.010	.007	.009	.007	.004	.006	.003
/a/ .80 UNM	127	.0315	.082	.078	.020	.017	.012	.008	.010	.007	.005	.008	.004
.90 UNM	113	.0354	.092	.088	.022	.019	.012	.008	.011	.008	.005	.008	.004
/a/ 1.00 UNM	102	.0394	.103	.097	.025	.021	.016	.012	.012	.009	.006	.010	.005
1.10 UNM	102	.0433	.113	.107	.028	.024	.016	.012	.014	.011	.006	.010	.005
/a/ 1.20 UNM	102	.0472	.124	.116	.032	.028	.020	.015	.016	.012	.008	.012	.006
1.40 UNM	85	.0551	.144	.136	.036	.032	.020	.015	.018	.014	.008	.012	.006

/a/ BOLD FACE TYPE INDICATES PREFERRED SIZES.

MATERIAL:

CRES PER QQ-S-763 AMS-QQ-S-763:

CLASS 303 (UNS S30300), COND A

CLASS 416 (UNS S41600), COND A, HEAT TREAT TO APPROX 120-150 KSI (HRC 28-34)

CLASS 420 (UNS S42000), COND A, HEAT TREAT TO APPROX 240-260 KSI (HRC 50-53)

BRASS – ALLOY 360 (UNS C36000) PER QQ-B-626, COMP 22 ASTM B16/B16M, TEMPER HALF HARD

COPPER-NICKEL-ZINC ALLOY (NICKEL SILVER) – QQ-C-586, COMP 4, TEMPER HARD

ALLOY 792 (UNS C79200) PER ASTM B151/B151M, TEMPER H04. HEAT IDENTIFICATION,

TRACEABILITY DETAIL, CERTIFICATION AND MILL TEST REPORT REQUIRED.

FINISH:

CRES – PASSIVATE PER AMS2700, METHOD 1, CLASS 4. (4)

BRASS – BARE, BLACK OXIDE OR NICKEL FLASH.

COPPER-NICKEL-ZINC ALLOY (NICKEL SILVER) – NONE

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 4
PROCUREMENT SPECIFICATION NAS725	TITLE SCREW, MINIATURE, BINDING HEAD	CLASSIFICATION PART STANDARD
		NAS724

CODE:

ADD "CE" BEFORE DASH NUMBER FOR CLASS 303 PASSIVATED CRES SCREWS.
 ADD "CK" BEFORE DASH NUMBER FOR CLASS 416 PASSIVATED CRES SCREWS.
 ADD "CW" BEFORE DASH NUMBER FOR CLASS 420 PASSIVATED CRES SCREWS.
 ADD "B" BEFORE DASH NUMBER AND "P" AFTER DASH NUMBER FOR BARE OR PLAIN BRASS SCREWS.
 ADD "B" BEFORE DASH NUMBER AND "K" AFTER DASH NUMBER FOR BRASS SCREWS WITH BLACK OXIDE FINISH.
 ADD "B" BEFORE DASH NUMBER AND "W" AFTER DASH NUMBER FOR BRASS SCREWS WITH NICKEL FLASH FINISH.
 ADD "E" BEFORE DASH NUMBER AND "P" AFTER DASH NUMBER FOR BARE OR PLAIN COPPER-NICKEL-ZINC ALLOY (NICKEL SILVER) SCREWS.

EXAMPLE OF PART NUMBER:

NAS724 B 100-120 P
 _____ FINISH
 _____ SIZE AND LENGTH DASH NUMBER PER TABLE II
 _____ MATERIAL
 _____ BASIC NUMBER

EXAMPLES:

NAS724CK100-120 = SIZE DESIGNATION 1.00 UNM (.0394) CLASS 416 PASSIVATED CRES SCREW, .120 LONG.
 NAS724B40-060P = SIZE DESIGNATION .40 UNM (.0157) BARE OR PLAIN BRASS SCREW, .060 LONG.
 NAS724B80-080K = SIZE DESIGNATION .80 UNM (.0315) BLACK OXIDE BRASS SCREW, .080 LONG.
 NAS724E40-025P = SIZE DESIGNATION .40 UNM (.0157) BARE OR PLAIN NICKEL SILVER SCREW, .025 LONG.

NOTES:

- (1) THE DIAMETER OF THE UNTHREADED BODY SHALL NOT BE MORE THAN THE MAXIMUM MAJOR DIAMETER NOR LESS THAN THE MINIMUM PITCH DIAMETER OF THE THREAD.
- /2/ FOR SCREW LENGTHS FOUR TIMES THE MAJOR DIAMETER OR LESS, THREAD LENGTH (Lt) SHALL EXTEND TO WITHIN TWO THREADS OF THE HEAD BEARING SURFACE. SCREWS OF GREATER LENGTH SHALL HAVE COMPLETE THREADS FOR A MINIMUM OF FOUR MAJOR DIAMETERS.
- (3) REMOVE ALL BURRS AND SHARP EDGES.
- (4) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- /5/ ~~"T" MEASURED FROM BEARING SURFACE.~~
- (6) SURFACE ROUGHNESS: HEAD: 63 MICROINCHES Ra PER ASME B46.1.
- (7) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (8) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (9) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (10) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

REVISION

4

NAS724
SHEET 2



Document Sharing Hub

USE OF OR RELIANCE UPON THIS DOCUMENT OR ANY NATIONAL AEROSPACE STANDARD IS ENTIRELY VOLUNTARY. AIA DOES NOT QUALIFY SUPPLIERS OR CERTIFY

Copyright Aerospace Industries Association of America Inc. MS PRODUCED UNDER NATIONAL AEROSPACE STANDARD: AIA MAKES NO REPRESENTATION OR CLAIM RESPECTING (1) THE SUITABILITY OF
 Provided by IHS under license with AIA/NAS. ANY PARTIAL OR APPLICATION OR (2) THE EXISTENCE OF OR APPLIC Licensee= www.sepana.ir/5991803002, User=sam, albert
 No reproduction or networking permitted without license from IHS. Not for Resale, 01/04/2016 02:42:41 MST. TRADEMARKS RIGHTS.

Full document details: AIA NAS724 2015