

FED. SUPPLY CLASS

5320

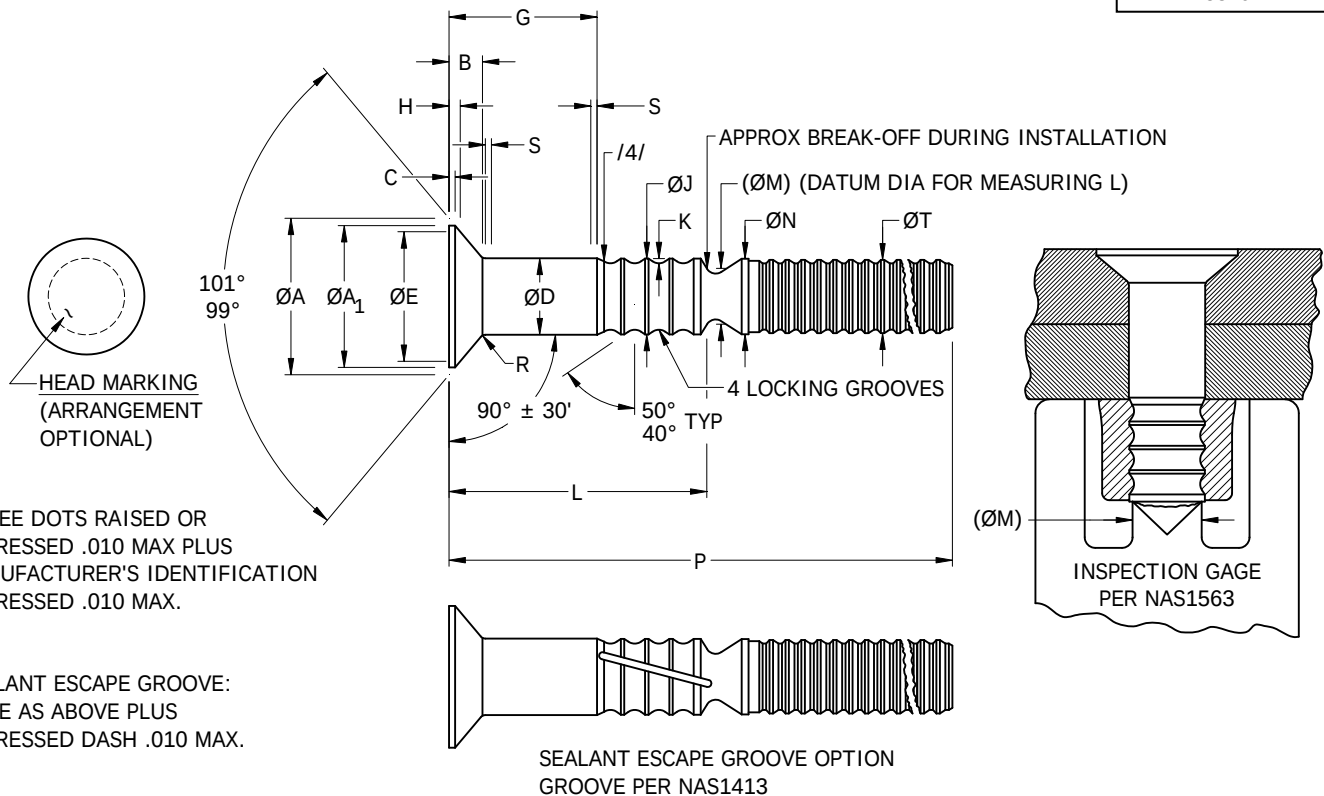


TABLE I – DIMENSIONS

BASIC PART NUMBER	NOM SIZE	ØD SHANK	ØA MAX /5/	ØA ₁ MIN /5/	B MAX /5/	C MAX	GAGE			ØJ	K	(ØM) GAGE	ØN	R RAD	S MAX /7/	ØT MAX
							ØE +.0002 -.0000 /6/	H PROTRUSION /6/								
								NOM	± TOL							
NAS1516	.190	.1895 .1880	.386	.344	.084	.013	.3270	.0224	.0019	.185 .177	.015 .011	.164	.185 .169	.020 .010	.031	.183
NAS1518	.250	.2495 .2480	.507	.455	.110	.017	.4318	.0290	.0020	.242 .235	.018 .014	.224	.242 .221	.020 .010	.042	.243
NAS1520	.312	.3120 .3105	.634	.574	.137	.020	.5449	.0346	.0021	.305 .294	.023 .017	.268	.305 .276	.025 .010	.052	.299
NAS1522	.375	.3745 .3730	.762	.693	.165	.023	.6580	.0404	.0024	.368 .361	.027 .021	.339	.368 .336	.030 .010	.062	.359

③ COMPLETELY REVISED

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 3
PROCUREMENT SPECIFICATION NAS1413	TITLE PIN, SWAGE LOCKING, ALUMINUM ALLOY, 100° HEAD (NASM24694), PULL-TYPE	CLASSIFICATION PART STANDARD
		NAS1516-1522 SHEET 1 OF 3

MATERIAL: 7075 ALUMINUM ALLOY PER PROCUREMENT SPECIFICATION.

HEAT TREAT: T6 PER AMS2772; PER PROCUREMENT SPECIFICATION.

FINISH: ANODIZE PER MIL-A-8625 OR CHEMICAL SURFACE TREATMENT PER MIL-DTL-5541.

LUBRICATION: CETYL ALCOHOL PER PROCUREMENT SPECIFICATION.

CODE: DASH NUMBER DESIGNATES NOMINAL GRIP IN .0625 INCREMENTS.
ADD "H" AFTER BASIC NUMBER WHEN SEALANT ESCAPE GROOVE IS REQUIRED.

EXAMPLE OF PART NUMBER:

NAS1516-08 = .190 DIA 7075 ALUMINUM ALLOY PIN, 100° FLUSH HEAD (NASM24694),
PULL-TYPE, .500 GRIP.

NAS1516H08 = .190 DIA 7075 ALUMINUM ALLOY PIN, 100° FLUSH HEAD (NASM24694),
SEALANT ESCAPE GROOVE, PULL-TYPE, .500 GRIP.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
- (2) FOR RECOMMENDED HOLE SIZES, SEE NAS618.
- (3) FOR COLLAR SELECTION, MINIMUM TENSILE STRENGTH, AND INSPECTION GAGE, SEE NAS1080.
- /4/ SLIGHT HOOK PERMITTED WHERE TAPER OF LOCKING GROOVE MEETS TAPER OF ORIGINAL BLANK.
- /5/ DIMENSIONS $\emptyset A$, $\emptyset A_1$ & B: INCLUDED FOR ENGINEERING REFERENCE PURPOSES ONLY, NOT FOR INSPECTION PURPOSES.
VALUES $\emptyset A$, $\emptyset A_1$ & B: CALCULATED LIMITS RESULTING FROM TOLERANCES ON C, $\emptyset D$, $\emptyset E$, H & HEAD ANGLE.
- /6/ GAGE PROTRUSION (H): SEE NAS1413 FOR THE RECOMMENDED PRACTICE FOR INSPECTING HEAD CHARACTERISTICS.
- /7/ AT THE INTERSECTION OF THE HEAD TO SHANK, " $\emptyset D$ " MAY BE .002 LARGER THAN MAX " $\emptyset D$ " FOR DISTANCE "S" AS MEASURED FROM THE TANGENCY OF "R" RADIUS. " $\emptyset D$ " IMMEDIATELY BEFORE THE END OF GRIP "G" MAY BE .001 SMALLER THAN MIN " $\emptyset D$ " FOR DISTANCE "S".
- (8) REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
- (9) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

③ COMPLETELY REVISED

REVISION

3

NAS1516-1522
SHEET 2



Documents

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. ALL RIGHTS RESERVED. THIS DOCUMENT IS PRODUCED UNDER NATIONAL AEROSPACE STANDARD: AIA MAKES NO REPRESENTATION OR CLAIM RESPECTING (1) THE SUITABILITY OF
Provided by IHS under license with AIA/NAS. Licensee: www.sepana.ir/5991803002, User=sam, albert
No reproduction or networking permitted without license from IHS. Not for Resale, 01/04/2016 15:51:40 MST. TRADEMARKS RIGHTS.

Full document details: AIA NAS1516-1522 2011