

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST REVISION DATE.

FORM 09-01

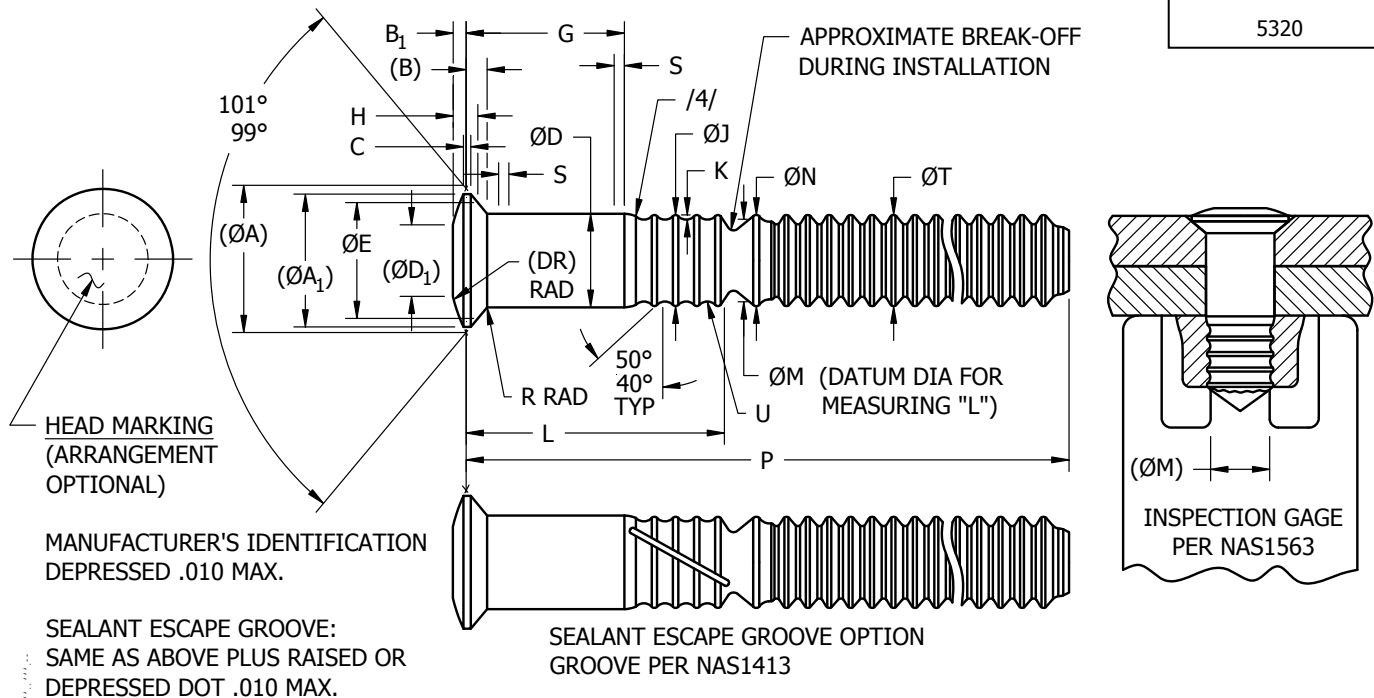


TABLE I – DIMENSIONS

BASIC PART NUMBER	NOM SIZE	ØD SHANK	(ØD ₁) /5/	(DR) RAD /5/	(ØA) /5/	(ØA ₁) MIN /5/	(B) /5/	B ₁	C MAX	GAGE			ØJ	K	ØM GAGE	ØN	R RAD	S MAX /7/	ØT MAX	U /8/
										+ .0002 - .0000 /6/	H PROTRUSION									
											NOM	±TOL								
NAS6935	.1640	.1650 .1635	1/8	1/8	.252	.229	.036	.0155 .0185	.014	.2026	.0365	.0025	.158 .152	.012 .008	.136	.158 .144	.020 .010	.026	.158	4
NAS6936	.1900	.1895 .1880	9/64	13/64	.301	.269	.045	.0145 .0175	.017	.2439	.0378	.0028	.185 .177	.015 .011	.164	.185 .169	.020 .010	.031	.183	4
NAS6938	.2500	.2495 .2480	3/16	5/16	.401	.361	.061	.0175 .0205	.022	.3313	.0450	.0030	.242 .235	.018 .014	.224	.242 .221	.020 .010	.042	.243	4
NAS6940	.3125	.3120 .3105	5/16	3/16	.484	.440	.073	.0195 .0230	.026	.4045	.0550	.0035	.305 .294	.023 .017	.268	.305 .276	.025 .010	.052	.299	5
NAS6942	.3750	.3745 .3730	3/8	5/32	.579	.537	.086	.0360 .0400	.030	.4852	.0775	.0040	.368 .361	.027 .021	.339	.368 .336	.030 .010	.062	.359	5

MATERIAL:

ALLOY STEEL PER PROCUREMENT SPECIFICATION.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS WITH CONTROLS PER AMS2759:
160-180 KSI; HARDNESS PER PROCUREMENT SPECIFICATION.

① COMPLETELY REVISED

THIRD ANGLE PROJECTION		CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NAS1413	TITLE PIN, SWAGE LOCKING, STEEL, 100° CROWN HEAD, TENSION, PULL-TYPE	CLASSIFICATION PART STANDARD NAS6935 THRU NAS6942	Document SHEET 1 OF 3

REVISION DATE: DECEMBER 22, 2011

ISSUE DATE: DECEMBER 1973

FINISH:

CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
NICKEL-CADMIUM PLATING PER AMS2416.

LUBRICATION:

CETYL ALCOHOL PER PROCUREMENT SPECIFICATION.

CODE:

DASH NUMBER DESIGNATES NOMINAL GRIP IN .0625 INCREMENTS.
ADD "N" AFTER BASIC NUMBER FOR NICKEL-CADMIUM PLATING.
ADD "H" AFTER BASIC NUMBER WHEN SEALANT ESCAPE GROOVE IS REQUIRED.

EXAMPLES OF PART NUMBER:

NAS6936-08 = Ø.1900 STEEL PIN, 100° CROWN HEAD, PULL TYPE, .500 GRIP, TYPE II CADMIUM PLATE.
NAS6936N08 = Ø.1900 STEEL PIN, 100° CROWN HEAD, PULL TYPE, .500 GRIP, NICKEL-CADMIUM PLATE.
NAS6936H08 = Ø.1900 STEEL PIN, 100° CROWN HEAD, SEALANT ESCAPE GROOVE, PULL TYPE, .500 GRIP, TYPE II CADMIUM PLATE.
NAS6936HN08 = Ø.1900 STEEL PIN, 100° CROWN HEAD, SEALANT ESCAPE GROOVE, PULL TYPE, .500 GRIP, NICKEL-CADMIUM PLATE.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED, EXCEPT PARTS WITH NICKEL-CADMIUM MAY HAVE DIMENSIONS INCREASED BY .0005.
- (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 "(ØA)", "(ØA₁)", "(B)", "(ØD₁)" & "(DR) RAD": INCLUDED FDR ENGINEERING REFERENCE PURPOSES ONLY, NOT FOR INSPECTION PURPOSES. VALUES "(ØA)", "(ØA₁)", "(B)", "(ØD₁)" & "(DR) RAD": CALCULATED LIMITS RESULTING FROM TOLERANCES ON "B₁", "C", "ØD", "ØE", "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, THE SHANK DIAMETER MAY BE .002 LARGER THAN MAX "ØD" FOR DISTANCE "S" AS MEASURED FROM THE TANGENCY OF THE "R" RADIUS. THE SHANK DIAMETER IMMEDIATELY BEFORE THE END OF GRIP "G" MAY BE .001 SMALLER THAN MIN "ØD" FOR DISTANCE "S".
- /8/ NUMBER OF LOCKING GROOVES.

REVISION
1
NAS6935 THRU NAS6942
SHEET 2



Documents
Document Sharing Hub

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