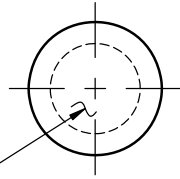


FED. SUPPLY CLASS

5320

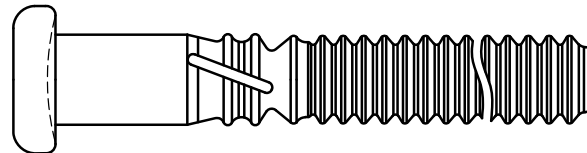
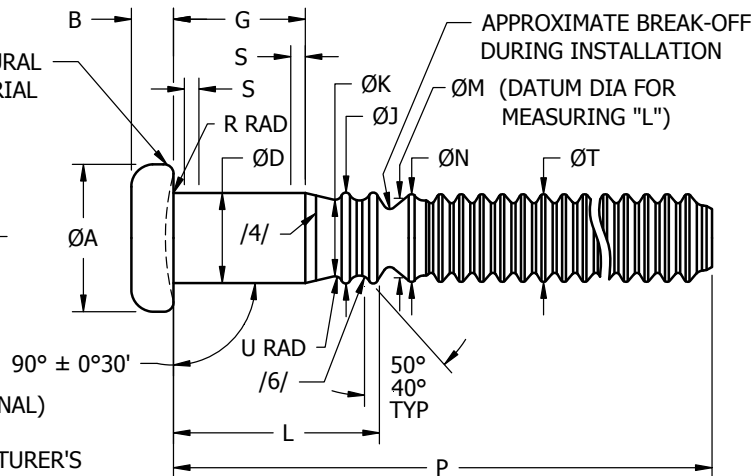
RADIUS IS NATURAL
FLOW OF MATERIAL



HEAD MARKING
(ARRANGEMENT OPTIONAL)

"3, EU" PLUS MANUFACTURER'S
IDENTIFICATION DEPRESSED
.010 MAX.

SEALANT ESCAPE GROOVE:
SAME AS ABOVE PLUS RAISED
OR DEPRESSED DOT .010 MAX.



SEALANT ESCAPE GROOVE OPTION
GROOVE PER NAS1413

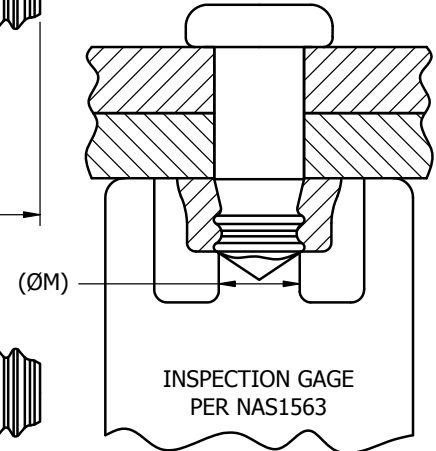


TABLE I – DIMENSIONS

BASIC PART NUMBER	NOM SIZE	ØD SHANK	ØA	B	ØJ	ØK	ØM GAGE	ØN	R RAD	S MAX /5/	ØT MAX	U MAX RAD
NAS7014	.1250	.1250 .1235	.193 .177	.065 .059	.123 .119	.108 .100	.100	.123 .110	.012 .004	.022	.123	.020
NAS7015	.1560	.1565 .1550	.238 .219	.077 .070	.154 .149	.135 .126	.125	.154 .139	.018 .009	.026	.151	.025
NAS7016	.1900	.1895 .1880	.288 .268	.086 .079	.185 .179	.161 .151	.164	.185 .169	.025 .010	.031	.183	.030
NAS7018	.2500	.2495 .2480	.380 .354	.111 .104	.247 .238	.214 .202	.224	.247 .221	.025 .010	.042	.243	.035
NAS7020	.3125	.3120 .3105	.475 .443	.137 .130	.309 .298	.268 .252	.268	.309 .276	.025 .010	.052	.299	.040
NAS7022	.3750	.3745 .3730	.569 .533	.164 .157	.371 .358	.322 .304	.339	.371 .336	.035 .020	.062	.359	.045

MATERIAL:

A286 CRES – AISI 660 (UNS S66286) PER AMS5732 OR AMS5737.

HEAT TREATMENT:

SOLUTION TREATED AND AGED. MINIMUM SHEAR STRENGTH 95 KSI.

③ COMPLETELY REVISED

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 3
PROCUREMENT SPECIFICATION NAS1413	TITLE PIN, SWAGE LOCKING, A286 CRES, PROTRUDING HEAD, SHEAR/TENSION, PULL-TYPE	CLASSIFICATION PART STANDARD NAS7014 THRU NAS7022 SHEET 1 OF 3

FINISH:

PASSIVATE PER AMS2700, METHOD 1, CLASS 4.
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 "C" AFTER BASIC NUMBER FOR TYPE II CADMIUM PLATING.
ADD "N" AFTER BASIC NUMBER FOR NICKEL-CADMIUM PLATING.
ADD "H" AFTER BASIC NUMBER WHEN SEALANT ESCAPE GROOVE IS REQUIRED.

EXAMPLES OF PART NUMBERS:

NAS7016-08 = Ø.1900, A286 CRES PIN, PROTRUDING HEAD, PULL TYPE, .500 GRIP.
NAS7016C08 = Ø.1900, A286 CRES PIN, PROTRUDING HEAD, PULL TYPE, .500 GRIP, TYPE II CADMIUM PLATE.
NAS7016N08 = Ø.1900, A286 CRES PIN, PROTRUDING HEAD, PULL TYPE, .500 GRIP, NICKEL-CADMIUM PLATE.
NAS7016H08 = Ø.1900, A286 CRES PIN, PROTRUDING HEAD, SEALANT ESCAPE GROOVE, PULL TYPE, .500 GRIP.
NAS7016HC08 = Ø.1900, A286 CRES PIN, PROTRUDING HEAD, SEALANT ESCAPE GROOVE, PULL TYPE, .500 GRIP, TYPE II CADMIUM PLATE.
NAS7016HN08 = Ø.1900, A286 CRES PIN, PROTRUDING 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. 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 GROOVES MEETS TAPER OF ORIGINAL BLANK.
- /5/ AT THE INTERSECTION OF THE HEAD TO SHANK, THE SHANK DIA MAY BE .002 LARGER THAN MAX "ØD" FOR DISTANCE "S" AS MEASURED FROM THE TANGENCY OF THE "R" RADIUS. THE SHANK DIA IMMEDIATELY BEFORE THE END OF GRIP "G" MAY BE .001 SMALLER THAN MIN "ØD" FOR DISTANCE "S".
- /6/ TWO LOCKING GROOVES PERMITTED FOR .1250, .1560 AND .1900 SIZES (MANUFACTURER'S OPTION).
- (7) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

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

③ COMPLETELY REVISED

REVISION
3
NAS7014 THRU NAS7022
SHEET 2



Documents
Document Sharing Hub