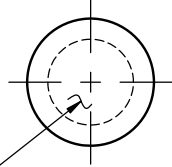


FED. SUPPLY CLASS

5320

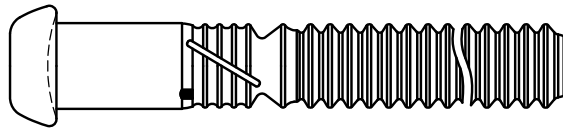
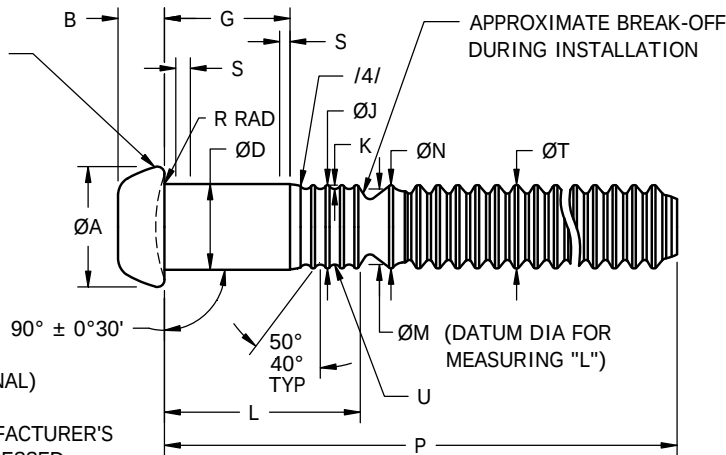
RADIUS IS NATURAL
FLOW OF MATERIAL



HEAD MARKING
(ARRANGEMENT OPTIONAL)

DASH, "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

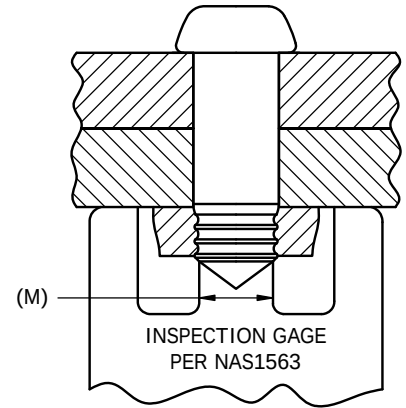


TABLE I – DIMENSIONS

BASIC PART NUMBER	NOM SIZE	ØD SHANK	ØA	B	ØJ	K	ØM GAGE	ØN	R RAD	S MAX /5/	ØT MAX	U /6/
NAS6965	.164	.1650 .1635	.282 .258	.095 .085	.158 .152	.012 .008	.136	.158 .144	.020 .010	.026	.158	4
NAS6966	.190	.1895 .1880	.327 .297	.111 .099	.185 .177	.015 .011	.164	.185 .169	.025 .010	.031	.183	4
NAS6968	.250	.2495 .2480	.430 .390	.147 .128	.242 .235	.018 .014	.224	.242 .221	.025 .010	.042	.243	4
NAS6970	.312	.3120 .3105	.535 .485	.184 .158	.305 .294	.023 .017	.268	.305 .276	.025 .010	.052	.299	5
NAS6972	.375	.3745 .3730	.655 .595	.224 .194	.368 .361	.027 .021	.339	.368 .336	.030 .015	.062	.359	5

MATERIAL:

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

HEAT TREATMENT:

SOLUTION TREATED AND AGED. MINIMUM SHEAR STRENGTH 95 KSI.

② COMPLETELY REVISED

THIRD
ANGLE
PROJECTION

PROCUREMENT
SPECIFICATION

NAS1413

CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

TITLE

**PIN, SWAGE LOCKING, A286 CRES,
PROTRUDING HEAD, TENSION, PULL-TYPE**

REVISION

2

CLASSIFICATION
PART STANDARD

NAS6965
THRU NAS6972
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 NUMBER:

NAS6966-08 = Ø.190, A286 CRES PIN, PROTRUDING HEAD, PULL TYPE, .500 GRIP.
NAS6966C08 = Ø.190, A286 CRES PIN, PROTRUDING HEAD, PULL TYPE, .500 GRIP, TYPE II CADMIUM PLATE.
NAS6966N08 = Ø.190, A286 CRES PIN, PROTRUDING HEAD, PULL TYPE, .500 GRIP, NICKEL-CADMIUM PLATE.
NAS6966H08 = Ø.190, A286 CRES PIN, PROTRUDING HEAD, SEALANT ESCAPE GROOVE, PULL TYPE, .500 GRIP.
NAS6966HC08 = Ø.190, A286 CRES PIN, PROTRUDING HEAD, SEALANT ESCAPE GROOVE, PULL TYPE, .500 GRIP, TYPE II CADMIUM PLATE.
NAS6966HN08 = Ø.190, 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 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/ 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".
- /6/ NUMBER OF LOCKING GROOVES.
- /7/ PINS BELOW HEAVY LINE, WHEN USED IN INTERFERENCE FIT HOLES, MUST BE DRIVEN INTO HOLE SUFFICIENTLY TO ALLOW THE INSTALLATION TOOL TO PROPERLY ENGAGE THE PULL GROOVES OF THE PIN.
- (8) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

② COMPLETELY REVISED

REVISION

2

NAS6965
THRU NAS6972
SHEET 2



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