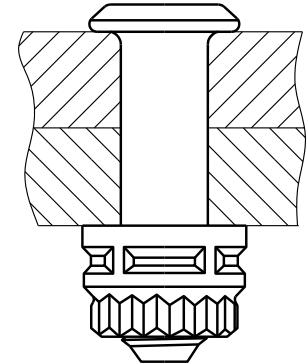
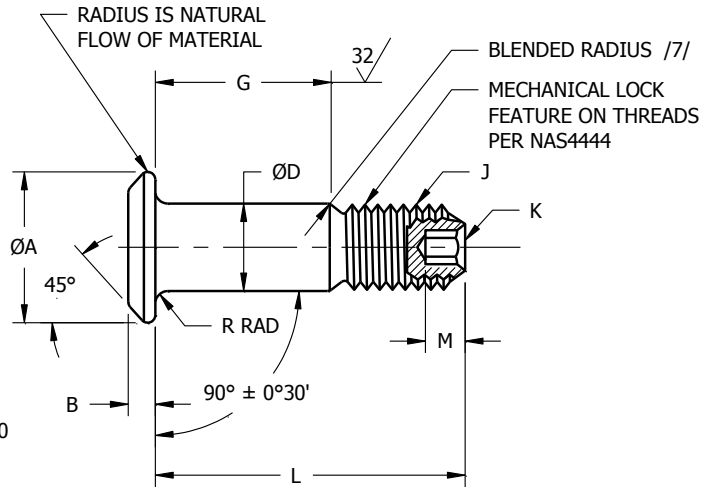


FED. SUPPLY CLASS
5315

HEAD MARKING PER
NAS1347, TYPE III
EXCEPT "NAS" PREFIX
NOT REQUIRED. ADD
"R" FOR OVERSIZE.

MATERIAL CODE:

"S" – FOR 8740 OR 4340
"H" – FOR H-11
"V" – FOR 6AL-4V



INSTALLED FASTENER
AFTER CRIMPING

TABLE I – DIMENSIONS

BASIC PART NUMBER	NOM. SIZE	ØD STANDARD SHANK		ØD OVERSIZE SHANK		ØA	B	J THREAD /6/	K SOCKET	M MIN	R RAD
		ALLOY STEEL	6AL-4V TITANIUM	ALLOY STEEL	6AL-4V TITANIUM						
NAS4450()05	.164	.1635 .1625	.1635 .1630	NONE		.257 .245	.047 .039	.1640-32 UNJC-3A	.0645 .0635	.090	.025 .015
NAS4450()06	.190	.1895 .1885	.1895 .1890	.2026 .2016	.2026 .2021	.312 .298	.050 .042	.1900-32 UNJF-3A	.0806 .0791	.115	.025 .015
NAS4450()08	.250	.2495 .2485	.2495 .2490	.2651 .2641	.2651 .2646	.413 .398	.069 .061	.2500-28 UNJF-3A	.0967 .0947	.120	.025 .015
NAS4450()10	.312	.3120 .3110	.3120 .3115	.3276 .3266	.3276 .3271	.503 .483	.078 .070	.3125-24 UNJF-3A	.1295 .1270	.140	.030 .020
NAS4450()12	.375	.3745 .3735	.3745 .3740	.3901 .3891	.3901 .3896	.583 .563	.088 .080	.3750-24 UNJF-3A	.1617 .1582	.170	.030 .020

MATERIAL:

④

ALLOY STEEL – 8740 (UNS G87400) OR 4340 (UNS G43400) PER PROCUREMENT SPECIFICATION.
ALLOY STEEL – H-11 (UNS T20811) PER PROCUREMENT SPECIFICATION.
TITANIUM ALLOY – 6AL-4V (UNS R56400) PER PROCUREMENT SPECIFICATION.

HEAT TREAT:

ALLOY STEEL (8740 OR 4340) – 108 KSI MINIMUM SHEAR.
ALLOY STEEL (H-11) – 156 KSI MINIMUM SHEAR.
6AL-4V TITANIUM ALLOY – 95 KSI MINIMUM SHEAR.

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.

REVISION DATE: OCTOBER 31, 2016

ISSUE DATE: OCTOBER 1974

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 4	
		CLASSIFICATION PART STANDARD	
PROCUREMENT SPECIFICATION NAS4444	TITLE PIN, CRIMP, PROTRUDING SHEAR HEAD	NAS4450	
		SHEET 1 OF 4	

FINISH:

ALLOY STEEL (8740 OR 4340) – CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2.
ALLOY STEEL (H-11) – NICKEL-CADMIUM PLATING PER AMS2416.
6AL-4V TITANIUM ALLOY – NONE.

LUBRICATION:

DRY FILM LUBRICATION PER ~~MIL-L-46010~~ AS5272, TYPE I OR MOLYBDENUM DISULFIDE CONFORMING
TO ~~MIL-M-7866~~ AMS-M-7866.
CHLORINE FREE CETYL ALCOHOL ~~MIL-L-87132~~ AS87132, TYPE I, GRADE B.

CODES:

FIRST DASH NUMBER DESIGNATES NOMINAL PIN DIAMETER IN .0312 INCH INCREMENTS.
SECOND DASH NUMBER DESIGNATES GRIP IN .0625 INCH INCREMENTS.
MATERIAL CODE PRECEDING FIRST DASH NUMBER:

"S" – 8740 OR 4340 ALLOY STEEL
"H" – H-11 ALLOY STEEL
"V" – 6AL-4V TITANIUM ALLOY

FINISH CODE BETWEEN FIRST AND SECOND DASH NUMBERS:

"N" – DIFFUSED NICKEL-CADMIUM PLATE (FOR HIGH STRENGTH AND/OR TEMPERATURES
OVER 450 °F)

LUBRICATION CODE FOLLOWING SECOND DASH NUMBER:

"E" – DRY FILM LUBRICATION PER ~~MIL-L-46010~~ AS5272, TYPE I OR MOLYBDENUM DISULFIDE
CONFORMING TO ~~MIL-M-7866~~ AMS-M-7866.

"P" – CHLORINE FREE CETYL ALCOHOL ~~MIL-L-87132~~ AS87132, TYPE I, GRADE B.

OVERSIZE CODE FOLLOWING SECOND DASH NUMBER IN ALPHABETICAL ORDER

"R" – OVERSIZE /4/

EXAMPLES OF PART NUMBERS:

NAS4450S06-08 = Ø.190, 8740 OR 4340 ALLOY STEEL CRIMP PIN, PROTRUDING SHEAR HEAD,
.500 GRIP, TYPE II CADMIUM PLATE.
NAS4450S06N08 = Ø.190, 8740 OR 4340 ALLOY STEEL CRIMP PIN, PROTRUDING SHEAR HEAD,
.500 GRIP, NICKEL-CADMIUM PLATE.
NAS4450H06-08E = Ø.190, H-11 ALLOY STEEL CRIMP PIN, PROTRUDING SHEAR HEAD, .500 GRIP,
NICKEL-CADMIUM PLATE, DRY FILM LUBRICATION.
NAS4450V06-08P = Ø.190, 6AL-4V TITANIUM ALLOY CRIMP PIN, PROTRUDING SHEAR HEAD, .500
GRIP, CETYL ALCOHOL LUBE.
NAS4450S06-08R = Ø.203, 8740 OR 4340 ALLOY STEEL CRIMP PIN, PROTRUDING SHEAR HEAD,
.500 GRIP, TYPE II CADMIUM PLATE, OVERSIZE SHANK DIAMETER.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICANT,
EXCEPT PARTS WITH NICKEL-CADMIUM MAY HAVE DIMENSIONS INCREASED BY .0005 EXCEPT FOR
THREADS.

REVISION

4

NAS4450
SHEET 2



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