

FED. SUPPLY CLASS

5305

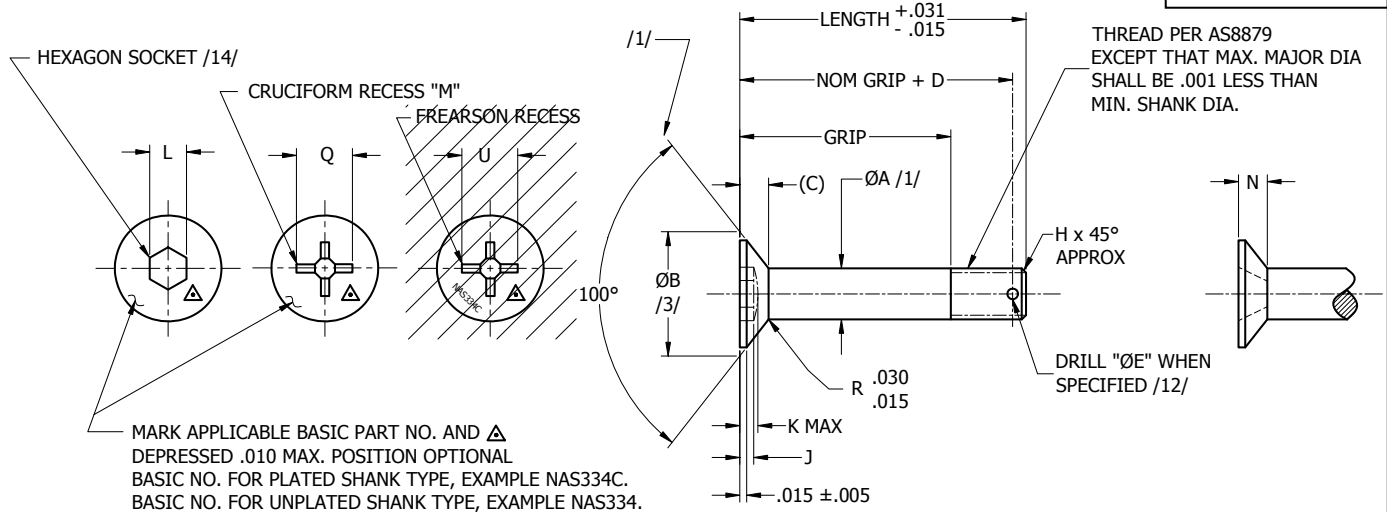


TABLE I – DASH NUMBERS AND DIMENSIONS

BASIC NO.	THREAD UNJF-3A	THREAD LENGTH	ØA / 1/		ØB / 3/	(C) HEAD HEIGHT	D	ØE	H	RATED STRENGTH	
			UNPLATED SHANK TYPE	PLATED SHANK TYPE						SINGLE SHEAR LBF	TENSILE LBF / 15/
NAS333	.1900-32	.406	.1894	.1894	.385 +.0000 -.0005	.080	.267	#50 (.070)	.031	2,620	2,700
NAS334	.2500-28	.469	.2492	.2492	.507 +.0000 -.0005	.106	.312	#48 (.076)	.031	4,650	5,000
NAS335	.3125-24	.531	.3117	.3117	.635 +.0000 -.0005	.133	.359	#48 (.076)	.047	7,300	8,200
NAS336	.3750-24	.641	.3742	.3742	.762 +.0000 -.0005	.160	.438	#36 (.106)	.047	10,500	12,700
NAS337	.4375-20	.656	.4367	.4367	.890 +.0000 -.0005	.188	.484	#36 (.106)	.047	14,300	17,100
NAS338	.5000-20	.781	.4991	.4991	1.017 +.0000 -.0005	.215	.609	#36 (.106)	.047	18,650	23,400
NAS339	.5625-18	.906	.5616	.5616	1.145 +.0000 -.0005	.242	.656	#28 (.141)	.062	23,600	29,800
NAS340	.6250-18	.953	.6240	.6240	1.272 +.0000 -.0006	.270	.734	#28 (.141)	.062	29,150	38,000

FREARSON RECESS INACTIVE FOR NEW DESIGN AFTER 30 MARCH, 1962.
FOR DESCRIPTION OF STATUS NOTES SEE NAS380.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 16
PROCUREMENT SPECIFICATION NOTED	TITLE SCREW, SHEAR, 100° STANDARD FLUSH HEAD, CLOSE TOLERANCE, 95 KSI Fsu	CLASSIFICATION PART STANDARD NAS333 THRU NAS340
		SHEET 1 OF 5

TABLE I – DASH NUMBERS AND DIMENSIONS (CONTINUED)

SCREW SIZE	HEXAGONAL SOCKET /14/			CRUCIFORM RECESS			FREARSON RECESS	
	J SOCKET DEPTH	K HEX DEPTH MAX	L HEX WIDTH	M RECESS NO	N RECESS DEPTH	ØQ RECESS	S RECESS DEPTH	ØU RECESS
.1900	.050	.087	.1290 .1260	#2	.113 .103	.181 .171	.149 .122	.244 .231
.2500	.063	.095	.1592 .1572	#3	.133 .122	.244 .234	.202 .171	.325 .307
.3125	.078	.110	.1905 .1885	#4	.165 .155	.314 .304	.255 .220	.406 .382
.3750	.094	.140	.2217 .2197	#4	.190 .180	.339 .329	.306 .269	.485 .457
.4375	.094	.155	.3165 .3135	#4	.215 .205	.363 .353	.332 .294	.524 .496
.5000	.094	.162	.3790 .3760	#4	.243 .233	.391 .381	.361 .322	.569 .539
.5625	.094	.164	.3790 .3760	#4	.273 .263	.421 .411	.406 .367	.639 .609
.6250	.094	.182	.5040 .5010	#5	.285 .265	.564 .544	.446 .407	.700 .670

MATERIAL:

ALLOY STEEL: 4140 (UNS G41400) PER MIL-S-5626 OR AMS6382 OR AMS6349; 4340 (UNS G43400) PER AMS6484 OR MIL-S-8844 AMS6414; 4340 (UNS G43406) PER AMS6415; OR 8740 (UNS G87400) PER AMS6322, MIL-S-6049 AMS6325 OR AMS6327.

HEAT TREATMENT:

DEVELOP BASIC MATERIAL PROPERTIES AS FOLLOWS, WITH CONTROLS PER AMS2759:
ALLOY STEEL: 160-180 KSI Ft_u.

FINISH:

UNPLATED SHANK TYPE: CADMIUM PLATE HEAD, LAND AND THREADS PER QQ-P-416, TYPE II, CLASS 3. AFTER GRINDING, SHANKS SHALL BE COATED WITH CORROSION PREVENTIVE COMPOUND PER MIL-C-11796 OR MIL-C-16173. SMALL AREAS OF CADMIUM PLATING REMAINING ON THE GROUND PORTION OF SCREWS SHALL NOT BE CAUSE FOR REJECTION.
PLATED SHANK TYPE: CADMIUM PLATE ENTIRE SCREWS PER AMS-QQ-P-416, TYPE II, CLASS 2. PARTS WITH CLASS 3 PLATING MAY BE FURNISHED FROM SUPPLIER'S STOCK UNTIL 15 OCT. 1975.

CODE:

ADD "-5" AFTER LAST DASH NUMBER TO DESIGNATE SCREW WITH GRIP AND LENGTH .062 LONGER THAN DESIGNATED BY LENGTH DASH NUMBER ALONE.
ADD "C" TO BASIC PART NUMBER TO DESIGNATE SCREW WITH CADMIUM PLATED SHANK.
ADD "P" TO BASIC PART NUMBER TO DESIGNATE SCREW WITH CRUCIFORM RECESS.
ADD "F" TO BASIC PART NUMBER TO DESIGNATE SCREW WITH FREARSON RECESS.
NO LETTER INDICATES HEXAGON SOCKET.
ADD "A" TO BASIC PART NUMBER TO DESIGNATE SCREW WITHOUT COTTER PIN HOLE.

REVISION

16

NAS3333-3401
SHEET 2



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