

FED. SUPPLY CLASS
5310

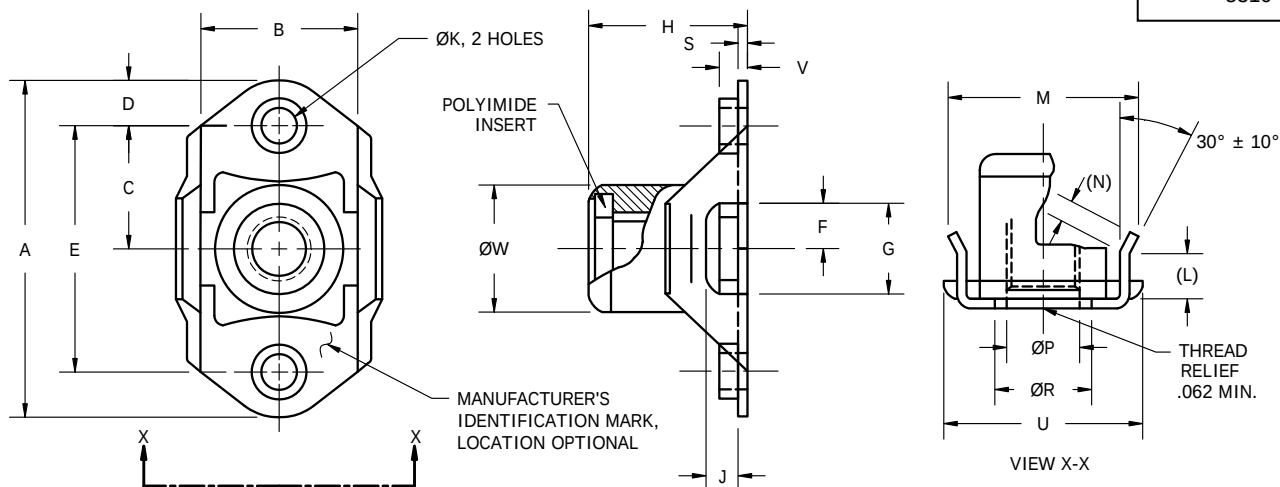


TABLE I – DIMENSIONS

PART NUMBER	THREAD SIZE /3/	A MAX	B ±.005	C ±.005	D MIN	E ±.002	F ±.010	G ±.010	H MAX /4/	J +.000 −.015	ØK +.005 −.000	(L)	M MAX	(N)	ØP MIN	ØR MAX
MS14179-3	.1900-32 UNJF-3B	.739	.430	.250	.100	.500	.125	.250	.370	.093	.098	.125	.550	.062	.194	.250
MS14179-4	.2500-28 UNJF-3B	.801	.488	.281	.100	.562	.140	.280	.457	.103	.098	.140	.630	.070	.254	.310
MS14179-5	.3125-24 UNJF-3B	1.010	.560	.359	.117	.718	.155	.310	.540	.113	.130	.155	.730	.075	.317	.373

PART NUMBER	S ±.006	U +.000 −.006	V MAX	V MIN	ØW MAX	"X"	AXIAL TENSILE STRENGTH LBF MIN	SEATING TORQUE LBF-IN	PUSH-OUT LBF MIN	TORQUE OUT LBF-IN MIN	WEIGHT LBS/100
MS14179-3	.030	.540	.125	.075	.370	.005	3,620	40	200	90	.75
MS14179-4	.030	.600	.140	.090	.440	.006	6,470	70	250	150	1.25
MS14179-5	.040	.678	.160	.110	.500	.007	10,200	140	250	240	1.90

MATERIAL:

NUT ELEMENT:

CARBON STEEL (UNS G10350) PER AISI C1035, (UNS G10420) PER AISI C1042, (UNS G10500) PER AISI C1050, (UNS G11374) PER AISI C11L37.

ALLOY STEEL (UNS G87400) PER AMS6322, (UNS G43400) PER AMS6415, (UNS K14675) PER AMS6304.

BASKET:

CARBON STEEL (UNS G10350) PER AISI C1035, (UNS G10500) PER AISI C1050.

INSERT:

POLYIMIDE PER ASTM PS93, TYPE I.

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS14179, REVISION A. PART NUMBERS REMAIN MS14179.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NOTED	TITLE NUT, PLATE, SELF-LOCKING, FLOATING, TWO LUG, REDUCED RIVET SPACING, STEEL, (POLYIMIDE INSERT) 500 CYCLES REUSE, REPLACEABLE NUT, 160 KSI Ftu, 450 °F	CLASSIFICATION PART STANDARD MS14179

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FINISH:

CADMIUM PLATE IN ACCORDANCE WITH AMS-QQ-P-416, TYPE II, CLASS 2.

LUBRICATION:

NUT ELEMENT – DRY FILM LUBRICANT (SUPPLEMENTARY LUBRICANT OPTIONAL).

NOTES:

- (1) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (2) HARDNESS: 46 HRC MAXIMUM.
- /3/ THREADS BEFORE LUBRICATION PER AS8879.
- /4/ MINIMUM "H" NOT SPECIFIED. LIMITED ONLY BY STRENGTH REQUIREMENTS. BOLT THREAD ENGAGEMENT SHALL BE CHECKED FOR PROPER PROTRUSION.
- (5) FLOAT: MINIMUM RADIAL .020. NUT SHALL BE CAPABLE OF ENGAGEMENT WITH BOLT IN MAXIMUM MISALIGNED POSITION.
- (6) BEARING SURFACE OF NUT ELEMENT AND PITCH DIAMETER OF THREAD SHALL RUN TRUE TO EACH OTHER WITHIN "X" WHEN MEASURED IN ACCORDANCE WITH NASM8985.
- (7) SURFACE ROUGHNESS: 125 MICROINCHES Ra PER ASME B46.1.
- (8) REMOVE ALL BURRS AND SHARP EDGES.
- (9) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
- (10) TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS $\pm .010$, ANGLES $\pm 5^\circ$.
- (11) NUT REPLACEABILITY: NUT SHALL BE REMOVEABLE FROM THE BASKET WITH A TOOL OR A SCREW DRIVER AND A NEW NUT PER MS14180 SHALL BE CAPABLE OF BEING SNAPPED IN PLACE IN THE BASKET.
- (12) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (13) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (14) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.

① COMPLETELY REVISED

REVISION

1

NASM14179

SHEET 2



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Full document details: AIA NASM14179 2011