

AS31341A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

Technical drawing of a mounting nut, showing front and side views with dimensions and labels.

Front View (Left):

- Master Key: Indicated by a dashed line.
- Dimensions: .061, .055, M, N, L.

Side View (Right):

- WITH TIGHT RETAINING NUT: Label at the top.
- 1.278 MAX: Dimension across the top.
- Mounting Nut: Label for the main component.
- Lockwasher: Label for the washer.
- Flange Location: Label for the flange.
- Dimensions: $\pm 15^\circ$, 66° , .060 $\pm .010$, .016 $\pm .010$, .370 $+.031$ $-.000$, .671 MAX, D, E, L, K, R.

FIGURE 1 – CONNECTOR CONFIGURATIONS AND DIMENSIONS (CLASS E-STYLE S)

PROCUREMENT SPECIFICATION: AS81703



SAE WEB ADDRESS: <http://www.sae.org>

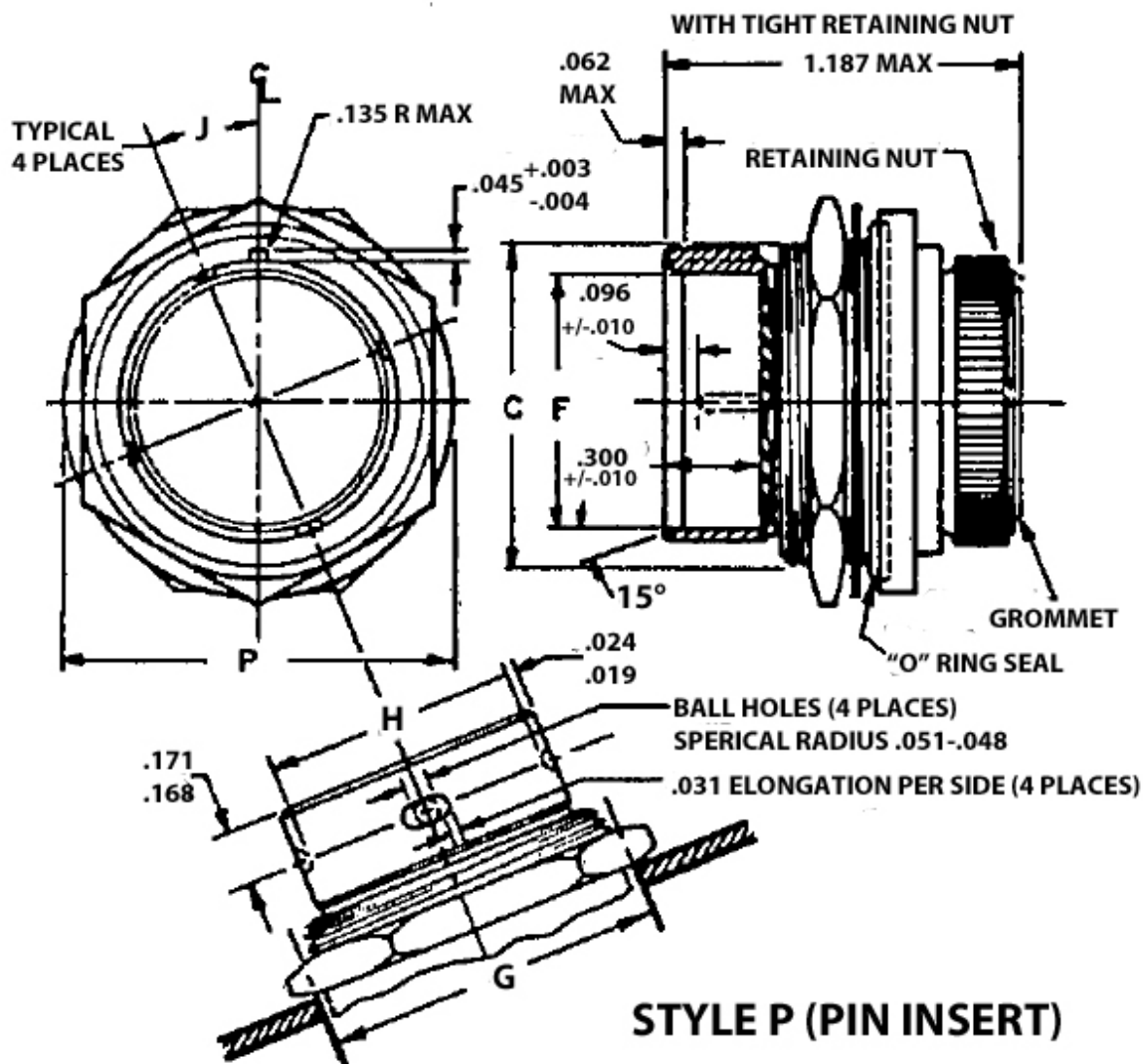


FIGURE 2 – CONNECTOR CONFIGURATIONS AND DIMENSIONS (CLASS E-STYLE P)

TABLE 1 – FIGURE 1 AND 2 DIMENSIONS

SHELL SIZE DASH NO.	C THREAD SIZE	D MAX DIA REAR	E $\pm .006/-.004$ SHELL OUTSIDE DIA	F $\pm .003/-.007$ SHELL INSIDE DIA	G $\pm .020/-.005$ MOUNTING HOLE MAX DIA FOR SEAL	H $\pm .002/-.005$ BALL HOLE SPACING	J BALL HOLE LOCATION
-3	9/16-24 UNEF-2A	.625	.435	.364	.571	.396	30°
-7	11/16-24 UNEF-2A	.691	.570	.480	.696	.531	22.5°
-12	13/16-20 UNEF-2A	.828	.704	.621	.818	.666	
-19	1-20 UNEF-2A	.953	.843	.760	1.010	.804	
-27	1 1/8-18 UNEF-2A	1.078	.998	.915	1.135	.959	
-37	1 1/4-18 UNEF-2A	1.266	1.120	1.037	1.260	1.081	



AEROSPACE STANDARD

(R) CONNECTOR, RECEPTACLE, ELECTRIC, SOLDER TYPE, JAM NUT MOUNTING, PUSH-PULL, COUPLING, SERIES 1 (CLASS E, P, J AND H)

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TABLE 1 – FIGURE 1 AND 2 DIMENSIONS (CONTINUED)

SHELL SIZE DASH NO.	K POINT OF SPRING CONTACT	L INSERT SEAL I.D.	M FLATS FLANGE	N FLATS NUT	P DIA FLANGE 90° FROM FLATS	R MAX PANEL THICKNESS	FOR INSERT ARRANGEMENT SEE DRAWING
-3	.138 MAX. MEASURE WITH SQUARE NOSE PIN HAVING SAME BASIC DIAMETER OF MATING CONTACT	.244	.750	.625	.750	.062	AS33698
-7		.370	.875	.812	.875	.093	AS33699
-12		.510	1.062	.937	1.062		AS33700
-19		.650	1.156	1.062	1.187		AS33701
-27		.803	1.312	1.250	1.312		AS33702
-37		.927	1.420	1.375	1.500		AS33703

CLASS P POTTED SEAL

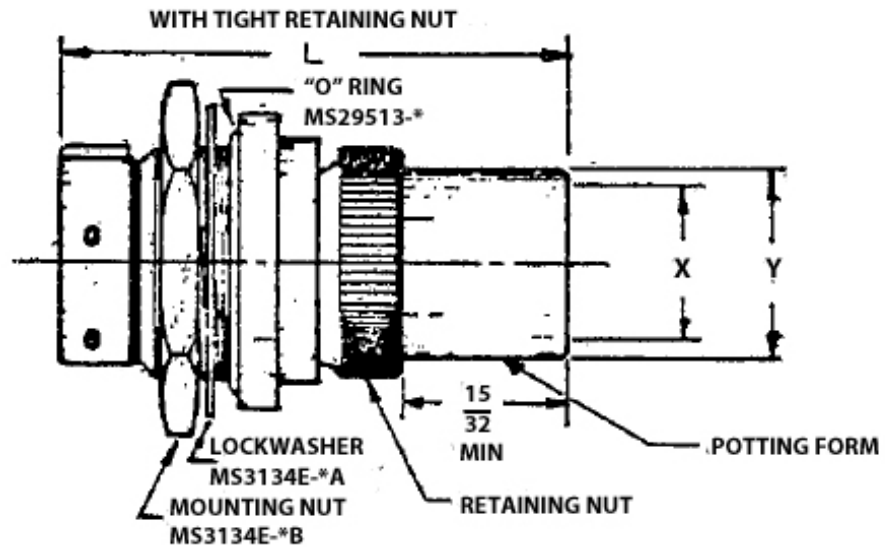


FIGURE 3 – CONNECTOR CONFIGURATIONS AND DIMENSIONS (CLASS P-POTTED SEAL)

TABLE 2 – FIGURE 3 DIMENSIONS

SHELL SIZE DASH NO.	L LENGTH MAX.	X DIA. MIN. I.D. POTTING FORM	Y DIA. MAX. O.D. POTTING FORM
-3	1.640	.261	.391
-7		.372	.515
-12		.482	.630
-19		.602	.760
-27		.725	.887
-37		.857	1.047



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