

INCH-POUND

MS35813E
w/AMENDMENT 1
2 January 2025
SUPERSEDING
MS35813E
17 SEPTEMBER 2009

DETAIL SPECIFICATION SHEET

CONNECTOR, ROD END - STEEL

Inactive for new design after 16 June 1997.

This specification sheet is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and procurement specification MIL-DTL-45918.

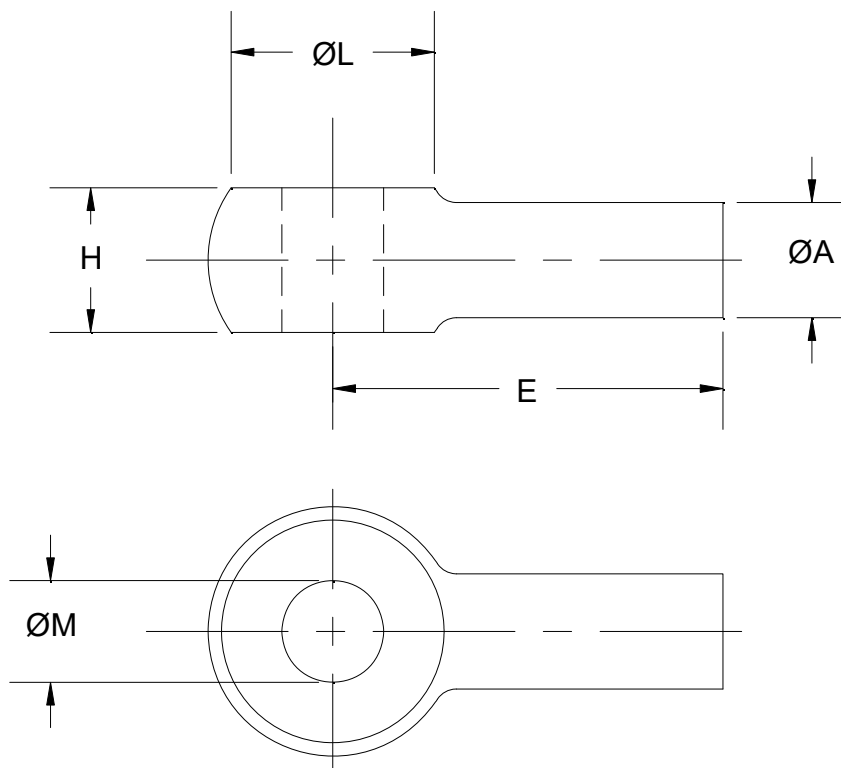


FIGURE 1. Connector.

TABLE I. Part Numbers and Dimensions.

AMSC N/A

DISTRIBUTION STATEMENT A: Approved for public release; Distribution is unlimited.

FSC 5340



MS35813E
w/AMENDMENT 1

PART NUMBER	NOMINAL DIAMETER ØA	LENGTH E	THICKNESS OF BOSS + .00 - .01 H	DIAMETER OF BOSS ± .03 ØL	DIAMETER OF HOLE ØM		WEIGHT (APPROX) LBS	ULTIMATE (MIN) AXIAL LOAD LBS
					SIZE	TOLERANCE + .0010		
MS35813-1	.190 (#10)	1.25	.19	.38	.1875	-.0010	.02	1500
MS35813-2	.250 (1/4)	1.25	.28	.50	.2500	-.0010	.03	2700
MS35813-3	.312 (5/16)	1.38	.34	.59	.3125	-.0010	.05	4200
MS35813-4	.375 (3/8)	1.50	.44	.69	.3750	-.0010	.08	6000
MS35813-5	.437 (7/16)	1.50	.50	.81	.4375	-.0010	.12	8200
MS35813-6	.500 (1/2)	1.75	.56	.94	.5000	-.0020	.18	10700
MS35813-7	.625 (5/8)	2.00	.69	1.19	.6250	-.0020	.34	16800
MS35813-8	.750 (3/4)	2.38	.81	1.44	.7500	-.0020	.59	24300
MS35813-9	.875 (7/8)	2.75	.94	1.29	.8750	-.0020	.91	33000
MS35813-10	1.000	3.00	1.06	1.94	1.0000	-.0020	1.32	43200

Requirements:

1. Material: Steel, carbon, SAE 1010, 1111, SAE C1015 – C1029 or equivalent in accordance with SAE-AIR4127. These steels shall have a minimum tensile strength of 55,000 psi.
2. Protective coating: Zinc coated (hot dip galvanized) in accordance with ASTM A123/A123M, Zinc (electrodeposited) in accordance with ASTM B633.
3. Surface roughness: Surfaces marked ✓ shall have 125 ✓ surface roughness in accordance with ASME B46.1.
4. Tolerance: Unless otherwise specified, tolerance shall be ±.03.
5. Dimensions: All dimensions specified are to be met after plating.

Notes:

1. Unless otherwise specified, all dimensions are in inches.
2. Remove all burrs and sharp edges.
3. For design feature purposes, this standard takes precedence over procurement documents referenced herein.
4. Illustrations are for identification and are not intended to restrict the design or shapes not dimensioned.

MS35813E
w/AMENDMENT 1

5. Referenced documents. In addition to MIL-DTL-45918, this document references the following:

ASME-B46.1
ASTM-A123/A123M
ASTM-B633
SAE-AIR4127

6. Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

CONCLUDING MATERIAL

Custodians:

Army - AR
Navy - AS
Air Force – 99
DLA - CC

Review activities:

Army – CR4, GL, MI
Navy – MC, YD

Preparing Activity:
DLA - CC

(Project 5340-2025-003)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.