

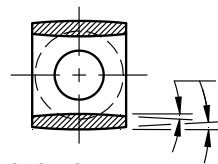
FED. SUPPLY CLASS

5340

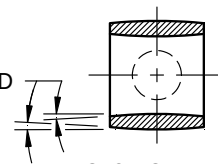
AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

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:

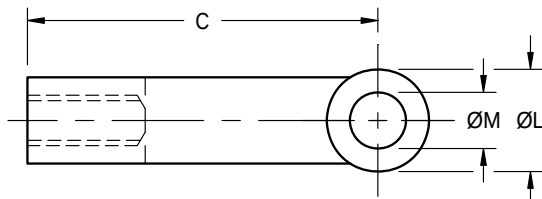
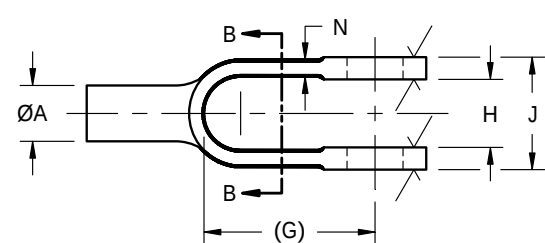
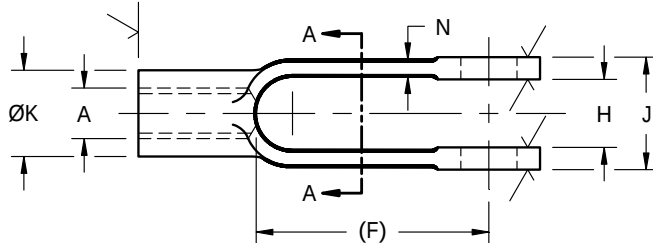
FORM 09-01



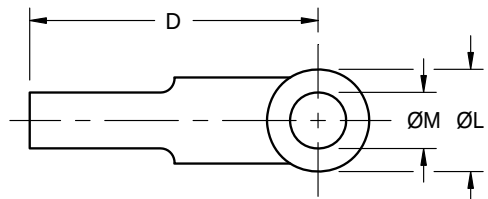
SECTION A-A



SECTION B-B



ADJUSTABLE



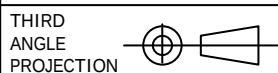
PLAIN

TABLE I – CLEVIS, ROD-END, ADJUSTABLE

DASH NO.	A THREADS	C LENGTH	(F) CLEARANCE IN JAW	N WEB THICKNESS MIN	WIDTH		ØK BODY ± .03	ØL BOSS ± .03	ØM HOLE SIZE	TOLER- ANCE + .0010	WEIGHT (APPROX) LBS	ULTIMATE (MIN) AXIAL LOAD LBF
					H OPENING ± .01	J OVERALL ± .01						
1	10-32 UNF-2B	1.56	1.00	.09	.19	.44	.31	.38	.1875	-.0010	.03	900
2	1/4-28 UNF-2B	2.00	1.25	.14	.28	.62	.44	.50	.2500	-.0010	.07	1,800
3	5/16-24 UNF-2B	2.25	1.44	.17	.34	.75	.50	.59	.3125	-.0010	.11	2,900
4	3/8-24 UNF-2B	2.50	1.62	.19	.44	.88	.62	.69	.3750	-.0010	.17	4,400
5	7/16-20 UNF-2B	2.88	1.88	.22	.50	1.00	.72	.81	.4375	-.0010	.24	6,000
11	1/2-20 UNF-2B	3.00	1.88	.25	.56	1.12	.81	.94	.5000	-.0020	.39	8,200
6	1/2-20 UNF-2B	4.19	3.06	.25	.56	1.12	.81	.94	.5000	-.0020	.39	8,200
7	5/8-18 UNF-2B	4.94	3.69	.31	.69	1.38	1.06	1.19	.6250	-.0020	.88	13,200
8	3/4-16 UNF-2B	6.06	4.56	.38	.81	1.62	1.25	1.44	.7500	-.0020	1.51	19,300
9	7/8-14 UNF-2B	7.12	5.25	.44	.94	1.88	1.44	1.69	.8750	-.0020	2.21	26,400
10	1-12 UNF-2B	8.00	6.00	.50	1.06	2.12	1.62	1.94	1.000	-.0020	2.80	35,500

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS35812, REVISION E. PART NUMBERS REMAIN MS35812.



PROCUREMENT
SPECIFICATION

MIL-C-45918

CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

TITLE
**CLEVIS, ROD END, ADJUSTABLE AND PLAIN,
STEEL**

①

REVISION
1

CLASSIFICATION
PART STANDARD

MS35812
SHEET 1 OF 3

REVISION DATE: AUGUST 26, 2011

ISSUE DATE: DECEMBER 1998

TABLE II – CLEVIS, ROD-END, PLAIN

DASH NO.	ØA NOMINAL	D LENGTH	(G) CLEARANCE IN JAW	N WEB THICKNESS MIN	WIDTH		ØL BOSS ± .03	ØM HOLE		WEIGHT (APPROX) LBS	ULTIMATE (MIN) AXIAL LOAD LBS
					H OPENING ± .01	J OVERALL ± .01		SIZE	TOLERANCE ±.0010		
31	#10 (.190)	1.25	.44	.09	.19	.44	.38	.1875	-.0010	.02	1,500
32	1/4	1.75	.62	.14	.28	.62	.50	.2500	-.0010	.05	2,700
33	5/16	2.00	.75	.17	.34	.75	.59	.3125	-.0010	.08	4,200
34	3/8	2.12	.84	.19	.44	.88	.69	.3750	-.0010	.11	6,000
35	7/16	2.25	1.00	.22	.50	1.00	.81	.4375	-.0010	.18	8,200
36	1/2	2.50	1.12	.25	.56	1.12	.94	.5000	-.0020	.24	10,700
37	5/8	2.88	1.44	.31	.69	1.38	1.19	.6250	-.0020	.46	16,800
38	3/4	3.62	1.69	.38	.81	1.62	1.44	.7500	-.0020	.86	24,300
39	7/8	4.00	2.00	.44	.94	1.88	1.69	.8750	-.0020	1.31	33,000
40	1	4.50	2.50	.50	1.06	2.12	1.94	1.0000	-.0020	1.76	43,200

MATERIAL:

STEEL, CARBON – SAE 1010 (UNS G10100), 1111 (UNS G11110), AISI C1015-C1029 (UNS G10150-G10290) OR EQUIVALENT IN ACCORDANCE WITH AIR 4127 FED-STD-NO. 66. THESE STEELS SHALL HAVE A MINIMUM TENSILE STRENGTH OF 55 KSI.

FINISH:

ZINC COATED (HOT DIPPED GALVANIZED) IN ACCORDANCE WITH ASTM 123.
ZINC (ELECTRODEPOSITED) IN ACCORDANCE WITH ASTM B633.

CODE:

THE MS PART NUMBER CONSISTS OF THE MS NUMBER, PLUS THE DASH NUMBER.

EXAMPLE OF PART NUMBER:

MS35812-1

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) REMOVE ALL BURRS AND SHARP EDGES.
- (3) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (4) 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.
- (5) ILLUSTRATIONS ARE FOR IDENTIFICATION AND ARE NOT INTENDED TO RESTRICT THE DESIGN OR SHAPE NOT DIMENSIONED.
- (6) THE THREADS SHALL BE IN ACCORDANCE WITH SCREW THREAD STANDARDS FOR FED-STD-H28/2.

REVISION
1
MS35812-1
SHEET 2

① COMPLETELY REVISED