

Submitted for recognition as an American National Standard

ROD ENDS AND CLEVIS PINS

1. Scope

2. References

2.1 Applicable Publications—The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated the latest revision of SAE publications shall apply.

2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J1010—Emission Control Hose

SAE J1111—Component Nomenclature—Skidder-Grapple

3. General Specifications for Clevis Pins

3.1 Material—SAE 1010 or SAE 1111 steel or equivalent.

3.2 Heat Treatment—Clevis pins shall be supplied either soft or cyanide hardened as specified.

3.3 Defects—Clevis pins must be free from burrs, loose scale, sharp edges, and all other defects that might affect their serviceability.

3.4 Tolerances—General tolerances for all dimensions are ± 0.010 unless otherwise specified.

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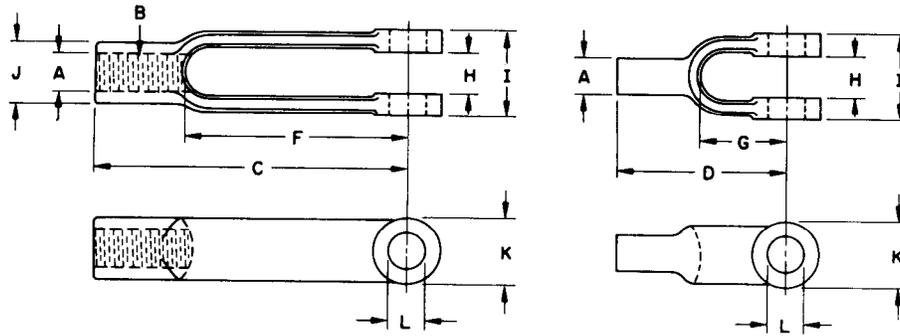


FIGURE 1—ADJUSTABLE AND PLAIN YOKES

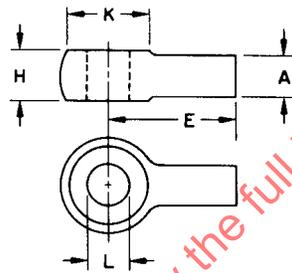
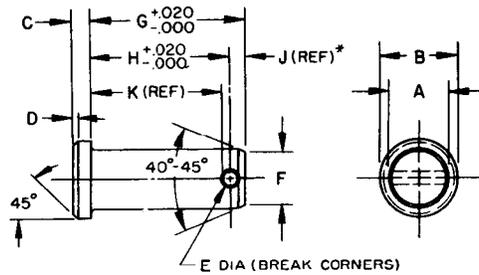


FIGURE 2—EYE

TABLE 1—ADJUSTABLE AND PLAIN YOKE AND EYE (SEE FIGURES 1 AND 2)

Series	A	Threads per In., B	C	D	E	F	G	H		J	K	L Nominal	L Tolerance Plus 0.001; Minus
								Fork ± 0.010	Eye ± 0.000				
No. 10	1/4	28	1-9/16	1-1/4	1-1/4	1	7/16	3/16	7/16	5/16	3/8	3/16	0.001
	5/16	24	2	1-3/4	1-1/4	1-1/4	5/8	9/32	5/8	7/16	1/2	1/4	0.001
	3/8	24	2-1/4	2	1-3/8	1-7/16	3/4	11/32	3/4	1/2	19/32	5/16	0.001
	7/16	20	2-1/2	2-1/8	1-1/2	1-5/8	27/32	7/16	7/8	5/8	11/16	3/8	0.001
	1/2	20	2-7/8	2-1/4	1-1/2	1-7/8	1	1/2	1	23/32	13/16	7/16	0.001
	1/2	20	3	2-1/2	1-3/4	1-7/8	1-1/8	9/16	1-1/8	13/16	15/16	1/2	0.002
Light	1/2	20	4-3/16	2-1/2	1-3/4	3-1/16	1-1/8	9/16	1-1/8	13/16	15/16	1/2	0.002
	5/8	18	4-15/16	2-7/8	2	3-11/16	1-7/16	11/16	1-3/8	1-1/16	1-3/16	5/8	0.002
	3/4	16	6-1/16	3-5/8	2-3/8	4-9/16	1-11/16	13/16	1-5/8	1-1/4	1-7/16	3/4	0.002
	7/8	14	7-1/8	4	2-3/4	5-1/4	2	15/16	1-7/8	1-7/16	1-11/16	7/8	0.002
	1	14	8	4-1/2	3	6	2-1/2	1-1/16	2-1/8	1-5/8	1-15/16	1	0.002

SAE J493 Revised JUN61



* THE "J" DIMENSION (DISTANCE FROM CENTERLINE OF HOLE TO END OF PIN) IS FOR CALCULATION ONLY. ON DETAIL DRAWINGS OF CLEVIS PINS, HOLE LOCATION WILL BE SHOWN AS THE DISTANCE FROM THE UNDERSIDE OF THE HEAD TO THE CENTERLINE OF THE HOLE

FIGURE 3—PIN

TABLE 2—CLEVIS PINS, (SEE FIGURE 3)

Nominal Size	A		B	C	D	E		F		Length (H + J) Nom G ⁽¹⁾	H Under Center of Hole	J Center of Hole to End Ref	K Under Head to Edge of Hole Ref
	Body Dia Max	Body Dia Min				Head Dia	Head Height	Head Chamfer	Hole Dia Min				
3/16	0.186	0.181	0.312	0.062	0.016	0.073	0.088	0.152	0.147	0.578	0.484	0.094	0.445
1/4	0.248	0.243	0.375	0.094	0.031	0.073	0.088	0.214	0.209	0.766	0.672	0.094	0.633
5/16	0.311	0.306	0.438	0.094	0.031	0.104	0.119	0.265	0.259	0.938	0.812	0.125	0.757
3/8	0.373	0.368	0.500	0.125	0.031	0.104	0.119	0.327	0.321	1.062	0.938	0.125	0.883
7/16	0.436	0.431	0.562	0.156	0.047	0.104	0.119	0.390	0.384	1.188	1.062	0.125	1.008
1/2	0.496	0.491	0.625	0.156	0.047	0.136	0.151	0.439	0.431	1.359	1.203	0.156	1.133
5/8	0.621	0.616	0.812	0.203	0.062	0.136	0.151	0.564	0.556	1.609	1.453	0.156	1.383
3/4	0.746	0.741	0.938	0.250	0.078	0.167	0.182	0.678	0.668	1.906	1.719	0.188	1.633
7/8	0.871	0.866	1.031	0.312	0.094	0.167	0.182	0.803	0.793	2.156	1.969	0.188	1.883
1	0.996	0.991	1.188	0.344	0.109	0.167	0.182	0.928	0.918	2.406	2.219	0.188	2.133

1. Tabulated lengths intended for use with standard clevises without spacers, where other lengths are required it is recommended that 1/16 in. increments be used.

4. Notes

- 4.1 **Marginal Indicia**—The change bar (I) located in the left margin is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. An (R) symbol to the left of the document title indicates a complete revision of the report.

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