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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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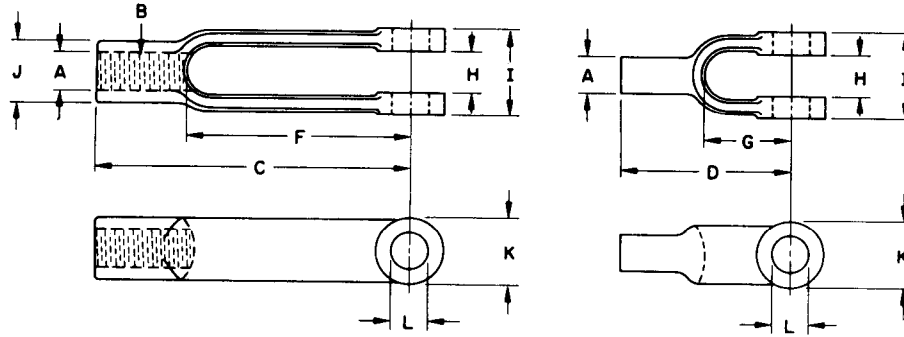


FIGURE 1—ADJUSTABLE AND PLAIN YOKES

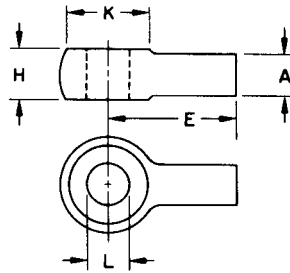


FIGURE 2—EYE

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

Series	A	Threads per In., B	H										L Nominal	L Tolerance Plus 0.001; Minus
			C	D	E	F	G	Fork ± 0.010 Eye $\pm +0.000$	I ± 0.010	J	K			
								-0.010						
Light	No. 10	32	1-9/16	1-1/4	1-1/4	1	7/16	3/16	7/16	5/16	3/8	3/16	0.001	
	1/4	28	2	1-3/4	1-1/4	1-1/4	5/8	9/32	5/8	7/16	1/2	1/4	0.001	
	5/16	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	
	3/8	24	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	
	7/16	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	
	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	
Heavy	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	

FIGURE 3—PIN

Nominal Size	A		B Head Dia	C Head Height	D Head Chamfer	E Hole Dia Min	E Hole Dia Max	F Chamfer Dia Max	F Chamfer Dia Min	Length (H + J) Nom G ⁽¹⁾	H Under Head to Center of Hole	J Center of Hole to End Ref	K Under Head to Edge of Nom Hole Ref
	Body Dia Max	Body 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

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Rationale—Not applicable.

Relationship of SAE Standard to ISO Standard—Not applicable.

Application—Not applicable.

Reference Section

SAE J1010—Emission Control Hose

SAE J1111—Component Nomenclature—Skidder-Grapple

Developed by the SAE Parts and Fittings Committee