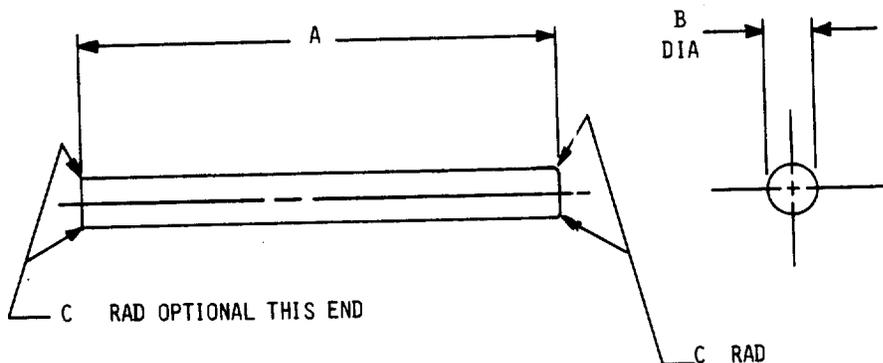


AS1791

SAE Technical Board rules provide that: "All technical reports, including standards approved and practices recommended, are advisory only. Their use by anyone engaged in industry or trade is entirely voluntary. There is no agreement to adhere to any SAE standard or recommended practice, and no commitment to conform to or be guided by any technical report. In formulating and approving technical reports, the Board and its Committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against liability for infringement of patents."



TUBE SIZE	A ±.015	B ±.002	C	
-04	1.184	.070	.026	±.005
-05	1.378	.078	.030	
-06	1.558	.078	.030	
-08	2.116	.093	.037	±.010
-10	2.480	.093	.037	
-12	3.026	.123	.050	
-16	3.815	.123	.050	
-20	4.799	.123	.050	

1. MATERIAL: CORROSION RESISTANT STEEL, CLASS 302, 304 OR 305 FORM 1, CONDITION "A", IN ACCORDANCE WITH QQ-W-423 OR CLASS 305 PER AMS 5685.
2. FINISH: PASSIVATE IN ACCORDANCE WITH QQ-P-35, FOLLOWED BY DRY FILM LUBRICATION IN ACCORDANCE WITH MIL-L-46010 OR MIL-L-8937.
3. SURFACE ROUGHNESS: 125 MICROINCHES Ra MAXIMUM IN ACCORDANCE WITH ANSI B46.1.
4. STRAIGHTNESS: WIRE SHALL BE STRAIGHT WITHIN .020 F.I.R.
5. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, RADIUS OR BREAK ALL CORNERS .005 - .010.
6. INTENDED USE: FOR ASSEMBLY WITH AS1790 WIRED-ON NUT. A LIGHTWEIGHT VERSION OF MS27073 FITTING NUTS.

PAGE 1 OF 1

PREPARED BY SAE SUBCOMMITTEE G-3B, AEROSPACE FITTINGS

**SAE** The Engineering  
Resource For  
Advancing Mobility

400 COMMONWEALTH DRIVE, WARRENDALE, PA 15096

**AEROSPACE STANDARD**WIRE, RETAINER  
TUBE COUPLING NUT

AS1791