

REV.
D

AS1791

RATIONALE

AS1791D HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

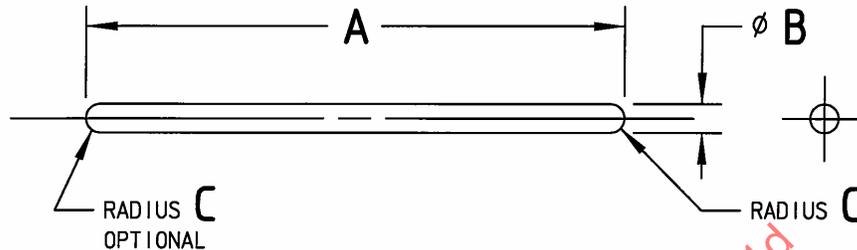


FIGURE 1 - WIRE, RETAINER

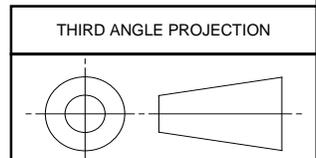
TABLE 1 - DIMENSIONS AND WEIGHTS

BASIC NO. AS1791 /13//6/ CODE SIZE	NOMINAL TUBE SIZE	A /7/	B ±.002	C MIN	APPROX WT LB/100 REF ALUMINUM	APPROX WT LB/100 REF CRES
02	.125	.821	.070	.026	--	.0894
03	.188	1.010	.070	.026	--	.110
04	.250	1.184	.070	.026	--	.129
05	.312	1.378	.078	.030	--	.186
06	.375	1.558	.078	.030	--	.211
08	.500	2.116	.093	.037	.144	.407
10	.625	2.478	.093	.037	.168	.476
12	.750	3.028	.123	.050	.360	1.018
14	.875	3.437	.123	.050	.408	1.156
16	1.000	3.814	.123	.050	.453	1.283
20	1.250	4.796	.123	.050	.570	1.613
24	1.500	5.591	.123	.050	.664	1.880
32	2.000	7.556	.123	.050	.898	2.541

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CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: MIL-DTL-5070, AS4841



AEROSPACE STANDARD

WIRE, RETAINER -
TUBE COUPLING NUT

AS1791
SHEET 1 OF 3

REV.
D

ISSUED 1983-03 REVISED 2006-09 REAFFIRMED 2015-01

NOTES:

1. MATERIAL:

NO MATERIAL CODE (-) CORROSION RESISTANT STEEL WIRE, TYPE 302 OR 305 CONDITION A, COLD FINISHED PER ASTM A 580, OR TYPE 302 PER AMS 5637.

MATERIAL CODE "D" 2024-T351 OR T4 ALUMINUM ALLOY WIRE PER AMS-QQ-A-225/6 OR AMS 4120. /6/

MATERIAL CODE "C" CORROSION RESISTANT STEEL WIRE, TYPE 302 PER AMS 5637.

2. FINISH:

NO MATERIAL CODE (-) PASSIVATE PER AMS 2700 METHOD I, TYPE 6 OR 7. SOLID FILM LUBRICANT PER AS5272 TYPE I.

MATERIAL CODE "C" PASSIVATE PER AMS 2700 METHOD 1, TYPE 6 OR 7. SOLID FILM LUBRICANT PER AS1701 CLASS III.

MATERIAL CODE "D" CHEMICAL CONVERSION COAT PER MIL-DTL-5541 CL3. SOLID FILM LUBRICANT PER AS5272, TYPE I. /6/

3. INTENDED USE: THIS PART MAY BE USED FOR ASSEMBLY WITH MS27073, AS1790 OR AS4370 WIRED ON NUTS.

4. INVENTORIED PARTS CONFORMING TO THE PREVIOUS ISSUE MAY BE USED TO DEPLETION.

/5/ OTHER APPLICABLE PROCUREMENT SPECIFICATIONS: MIL-DTL-5070, AS4841.

/6/ ALUMINUM ALLOY WIRES AVAILABLE IN SIZE CODE -08 AND LARGER.

/7/ LENGTH "A" DETERMINED IN ACCORDANCE WITH ARP4988.

8. INTERPRETATION OF DRAWING PER ARP4296.

9. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M; REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 µin Ra MAX.

10. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.

11. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.

12. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.015, ANGULAR DIMENSIONS ±5°.

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