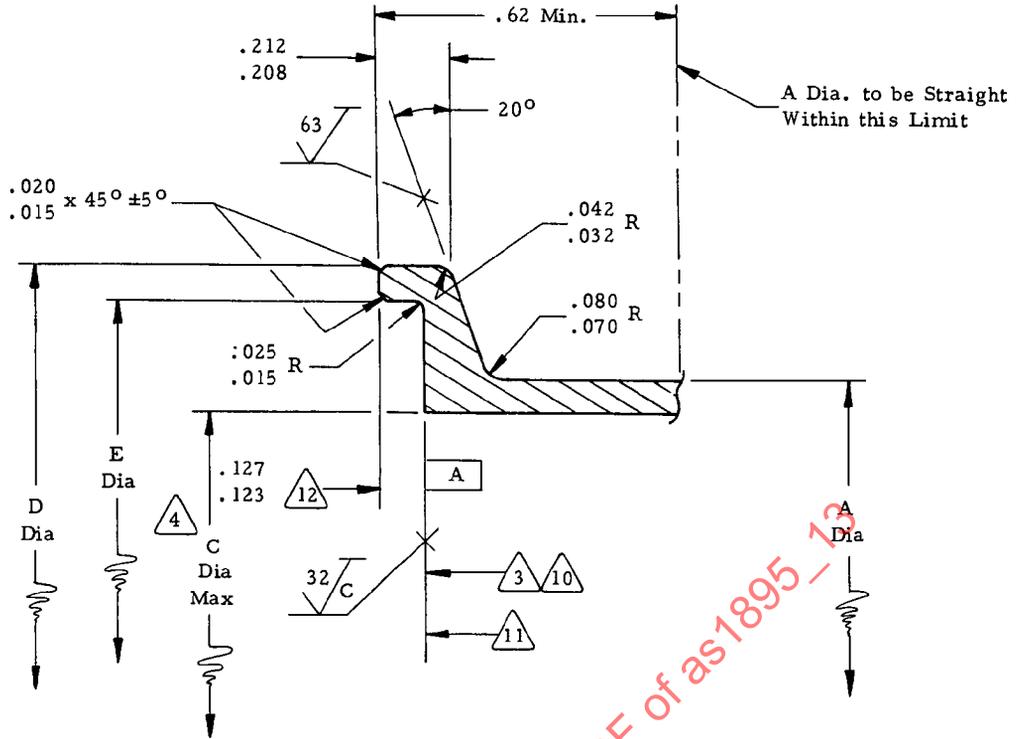


THIS IS A DESIGN STANDARD. DO NOT USE AS A PART NUMBER.

AS 1895 / 13



PART NUMBER	NOM TUBE SIZE	A DIA +.000 -.005	C DIA MAX △4	D DIA ±.005	E DIA +.005 -.000
AS1895/13-150	1.50	1.600	1.455	2.250	2.085
AS1895/13-175	1.75	1.850	1.705	2.500	2.335
AS1895/13-200	2.00	2.100	1.955	2.750	2.585
AS1895/13-225	2.25	2.350	2.205	3.000	2.835
AS1895/13-250	2.50	2.600	2.445	3.250	3.085
AS1895/13-275	2.75	2.850	2.685	3.500	3.335
AS1895/13-300	3.00	3.100	2.925	3.750	3.585
AS1895/13-325	3.25	3.350	3.175	4.000	3.835
AS1895/13-350	3.50	3.687	3.415	4.250	4.085
AS1895/13-400	4.00	4.187	3.905	4.750	4.585
AS1895/13-450	4.50	4.687	4.385	5.250	5.085
AS1895/13-500	5.00	5.187	4.875	5.750	5.585
AS1895/13-550	5.50	5.687	5.365	6.250	6.085
AS1895/13-600	6.00	6.187	5.855	6.750	6.585

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ISSUED 12-85
REVISED

CUSTODIAN: SAE G-3/G-3A

PROCUREMENT: AS1895



400 Commonwealth Drive
Warrendale, PA 15096

AEROSPACE STANDARD

FLANGE END, FEMALE, TYPE 1
(STANDARD PROFILE) DESIGN STANDARD

AS 1895 / 13

SHEET 1 OF 3

NOTES:

1. Construction and Performance:

This flange end, when mated with flange end per AS1895/12-XXX, flange P/N AS1895/2-XXX, flange P/N AS1895/10-XXX, seal P/N AS1895/7-XXX, and coupling P/N AS1895/1-XXX, shall meet all the requirements of specification AS1895.

2. Material:

Dash Numbers 150 through 350 - Inconel 625 in accordance with AMS 5666 or AMS 5599.

Dash Numbers 400 to 600 - Inconel 718 in accordance with AMS 5596 or AMS 5562 in the precipitate hardened condition.



Sealing surface shall be free of scratches and surface finish shall be circular and concentric to bore diameter.



This diameter may be reduced in order to decrease out-of-round deformation of flange ends produced by coupling loading, if desired, or to compensate for casting factors.

5. Finish:

Descaled. Free of surface contaminations.

6. Inspection Requirement - Manufacturer:

Penetrant inspect all flange ends in accordance with MIL-I-6866.

7. Workmanship:

This flange end shall be free of sharp edges and burrs and shall be capable of mating under all tolerance conditions of the component parts.

8. Tolerances:

.XXX = ± 0.10 , .XX = ± 0.03 , angles = $\pm 1/2^\circ$.

9. Concentricity:

All diameters shall be concentric to bore diameter within .004 TIR.



10. Perpendicularity:

Noted surface to be perpendicular to C within .004 TIR.



11. Flatness:

Noted surface to be flat within .003 TIR.



12. Parallelism:

Noted surfaces to be parallel with surface marked A within .003 TIR.

13. All surfaces to be $\sqrt{125}$ except as noted.

AEROSPACE STANDARD

FLANGE END, FEMALE, TYPE I
(STANDARD PROFILE) DESIGN STANDARD

AS 1895/13

SHEET 2 OF 3