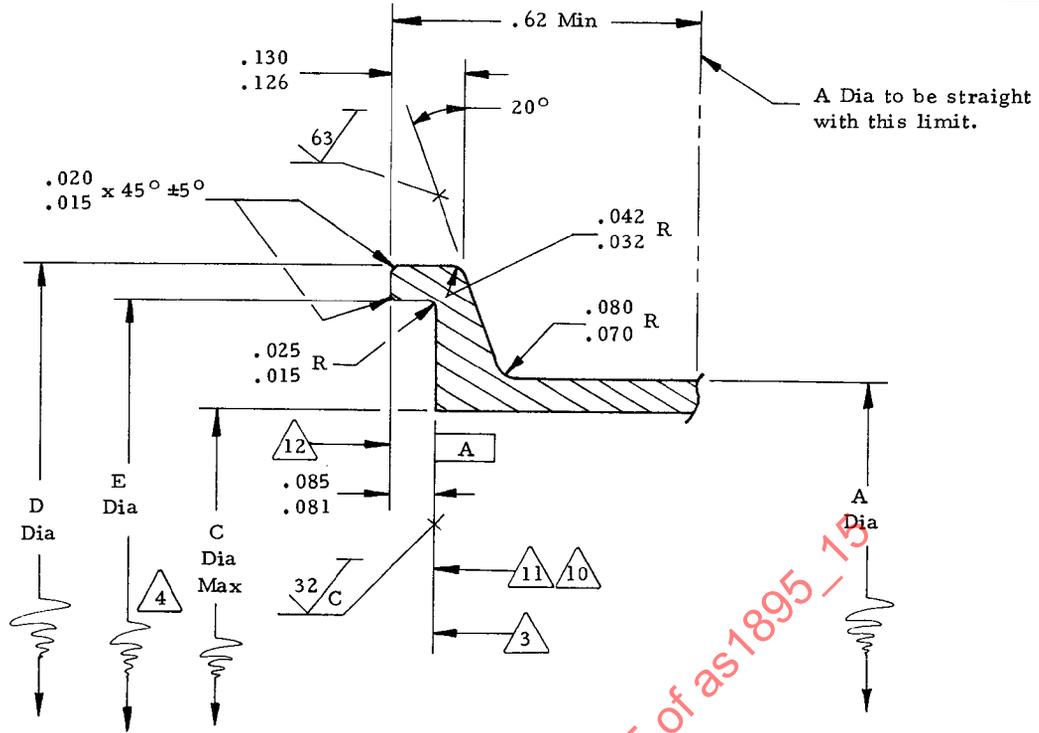


THIS IS A DESIGN STANDARD. DO NOT USE AS A PART NUMBER.

AS 1895 / 15



PART NUMBER	NOM TUBE SIZE	A DIA +.000 -.005	C DIA MAX 4	D DIA ±.005	E DIA +.005 -.000
AS1895/15-100	1.00	1.069	.905	1.510	1.386
AS1895/15-125	1.25	1.319	1.155	1.760	1.636
AS1895/15-150	1.50	1.569	1.405	2.010	1.886
AS1895/15-175	1.75	1.819	1.655	2.260	2.136
AS1895/15-200	2.00	2.069	1.905	2.510	2.386
AS1895/15-225	2.25	2.319	2.155	2.760	2.636
AS1895/15-250	2.50	2.569	2.405	3.010	2.886
AS1895/15-275	2.75	2.819	2.655	3.260	3.136
AS1895/15-300	3.00	3.069	2.905	3.510	3.386
AS1895/15-325	3.25	3.319	3.155	3.760	3.636
AS1895/15-350	3.50	3.569	3.405	4.010	3.886
AS1895/15-400	4.00	4.069	3.905	4.510	4.386
AS1895/15-450	4.50	4.569	4.405	5.010	4.886
AS1895/15-500	5.00	5.069	4.905	5.510	5.386
AS1895/15-550	5.50	5.569	5.405	6.010	5.886
AS1895/15-600	6.00	6.069	5.905	6.510	6.386

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CUSTODIAN: SAE G-3/G-3A

PROCUREMENT: AS1895

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Warrendale, PA 15096

AEROSPACE STANDARD

FLANGE END, FEMALE, TYPE II
(LOW PROFILE) DESIGN STANDARD

AS 1895 / 15

SHEET 1 OF 3

REVISED

ISSUED 12-85

NOTES:

1. Construction and Performance:

This flange end, when mated with flange end per AS1895/14-XXX, flange P/N AS1895/5-XXX, flange P/N AS1895/8-XXX, seal P/N AS1895/7-XXX and coupling P/N AS1895/4-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 5662 in the precipitate hardened condition.

3

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

4

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 = $\pm .010$, .XX = $\pm .03$, 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 II
(LOW PROFILE) DESIGN STANDARD

AS 1895 / 15

SHEET 2 OF 3