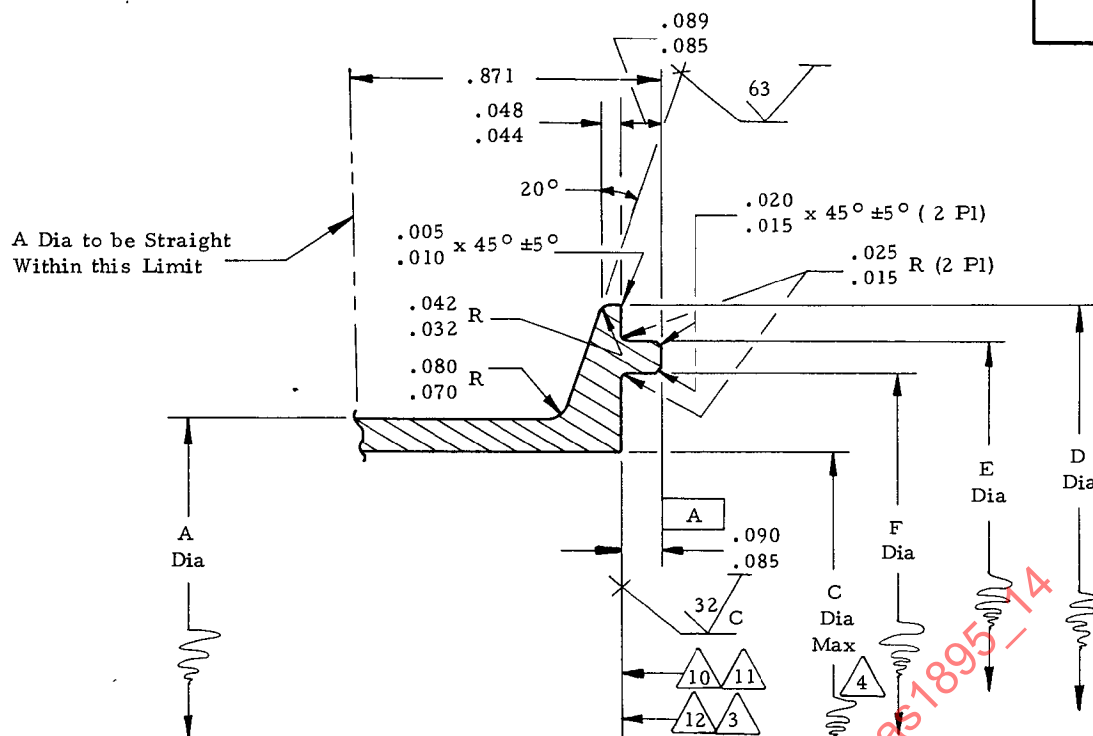


THIS IS A DESIGN STANDARD. DO NOT USE AS A PART NUMBER.

AS 1895/14



PART NUMBER	NOM TUBE SIZE	A DIA +.000 -.005	C DIA MAX △ 4	D DIA ±.005	E DIA +.000 -.005	F DIA +.003 -.000
AS1895/14-100	1.00	1.069	.905	1.510	1.365	1.250
AS1895/14-125	1.25	1.319	1.155	1.760	1.615	1.500
AS1895/14-150	1.50	1.569	1.405	2.010	1.865	1.750
AS1895/14-175	1.75	1.819	1.655	2.260	2.115	2.000
AS1895/14-200	2.00	2.069	1.905	2.510	2.365	2.250
AS1895/14-225	2.25	2.319	2.155	2.760	2.615	2.500
AS1895/14-250	2.50	2.569	2.405	3.010	2.865	2.750
AS1895/14-275	2.75	2.819	2.655	3.260	3.115	3.000
AS1895/14-300	3.00	3.069	2.905	3.510	3.365	3.250
AS1895/14-325	3.25	3.319	3.155	3.760	3.615	3.500
AS1895/14-350	3.50	3.569	3.405	4.010	3.865	3.750
AS1895/14-400	4.00	4.069	3.905	4.510	4.365	4.250
AS1895/14-450	4.50	4.569	4.405	5.010	4.865	4.750
AS1895/14-500	5.00	5.069	4.905	5.510	5.365	5.250
AS1895/14-550	5.50	5.569	5.405	6.010	5.865	5.750
AS1895/14-600	6.00	6.069	5.905	6.510	6.365	6.250

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**CUSTODIAN:** SAE G-3/G-3A

**PROCUREMENT:** AS1895



400 Commonwealth Drive  
Warrendale, PA 15096

## AEROSPACE STANDARD

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

AS 1895/14

SHEET 1 OF 3

**REVISED**

ISSUED 12-85

## NOTES:

## 1. Construction and Performance:

This flange end, mated mated with flange end per AS1895/15-XXX, flange P/N AS1895/6-XXX, flange P/N AS1895/9-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 =  $\pm 0.10$ , .XX =  $\pm 0.03$ , 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  $\varnothing$  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, MALE, TYPE II  
(LOW PROFILE) DESIGN STANDARD

AS 1895/14

SHEET 2 OF 3

REVISED

ISSUED 12-85