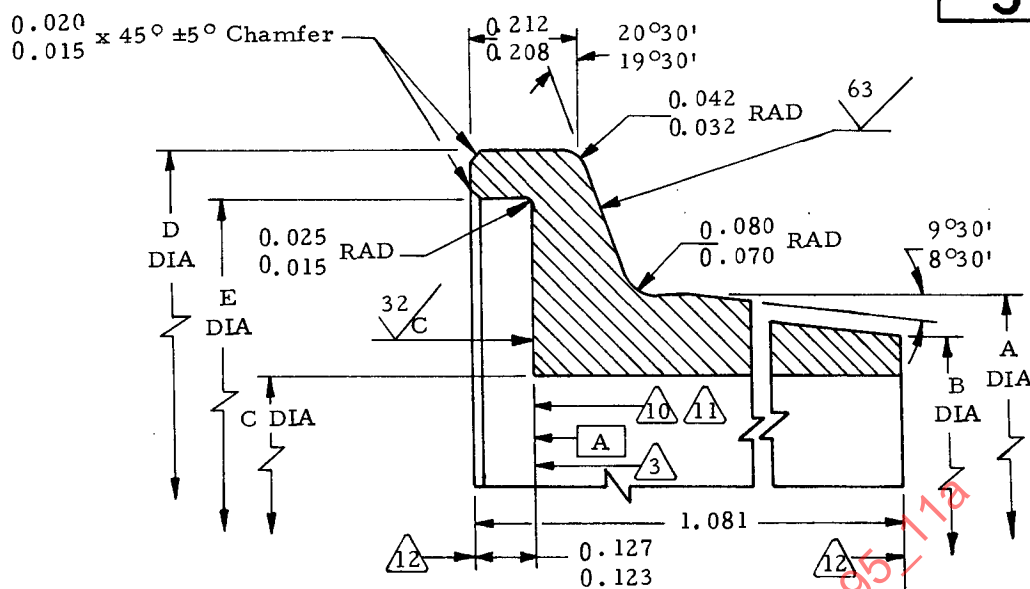


**AS 1895/11**



PART NUMBER	NOM TUBE SIZE	A DIA +.000 -.005	B DIA ±.005	C DIA +.005 -.000	D DIA ±.005	E DIA +.005 -.000	MAX WT IN LBS
AS1895/11-150	1.50	1.687	1.507	1.450	2.250	2.085	0.326
AS1895/11-175	1.75	1.937	1.757	1.700	2.500	2.335	0.368
AS1895/11-200	2.00	2.187	2.007	1.950	2.750	2.585	0.410
AS1895/11-225	2.25	2.437	2.257	2.200	3.000	2.835	0.462
AS1895/11-250	2.50	2.687	2.507	2.440	3.250	3.085	0.515
AS1895/11-275	2.75	2.937	2.757	2.680	3.500	3.335	0.567
AS1895/11-300	3.00	3.187	3.007	2.920	3.750	3.585	0.620
AS1895/11-325	3.25	3.437	3.257	3.170	4.000	3.835	0.672
AS1895/11-350	3.50	3.687	3.507	3.410	4.250	4.085	0.725
AS1895/11-400	4.00	4.187	4.007	3.900	4.750	4.585	0.809
AS1895/11-450	4.50	4.687	4.507	4.380	5.250	5.085	0.924
AS1895/11-500	5.00	5.187	5.007	4.870	5.750	5.585	1.029
AS1895/11-550	5.50	5.687	5.507	5.360	6.250	6.085	1.134
AS1895/11-600	6.00	6.187	6.007	5.850	6.750	6.585	1.250

SHEET	1	2	3
REV.	A	A	A

ISSUED 12-85 REVISED (A) 2-88

CUSTODIAN: SAE G-3/G-3A      PROCUREMENT SPECIFICATION AS1895



400 Commonwealth Drive  
Warrendale, PA 15096

## AEROSPACE STANDARD

FLANGE, FEMALE, BUTT WELD,  
TYPE I (STANDARD PROFILE)

AS 1895/11

SHEET 1 OF 3

## NOTES:

## 1. Construction and Performance:

This flange, 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 - Nickel Alloy 625 in accordance with AMS 5666 or AMS 5599.

Dash Numbers 400 to 600 - Nickel Alloy 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. Do not use unassigned part codes.

## 5. Finish:

Descaled. Free of surface contamination and ready for fusion butt welding.

## 6. Inspection Requirement - Manufacturer:

Penetrant inspect all flanges in accordance with MIL-I-6866.

## 7. Workmanship:

The flanges 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 C dia 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 125/ except as noted.

## 14. Marking:

Mark packaging with supplier identification and AS1895/11-XXX part number.

CUSTODIAN: SAE G-3/G-3A

PROCUREMENT SPECIFICATION:

AS1895

## AEROSPACE STANDARD

FLANGE, FEMALE, BUTT WELD,  
(TYPE I (STANDARD PROFILE))

AS 1895/11

SHEET 2 OF 3

ISSUED 12-85 REVISED (A) 2-88