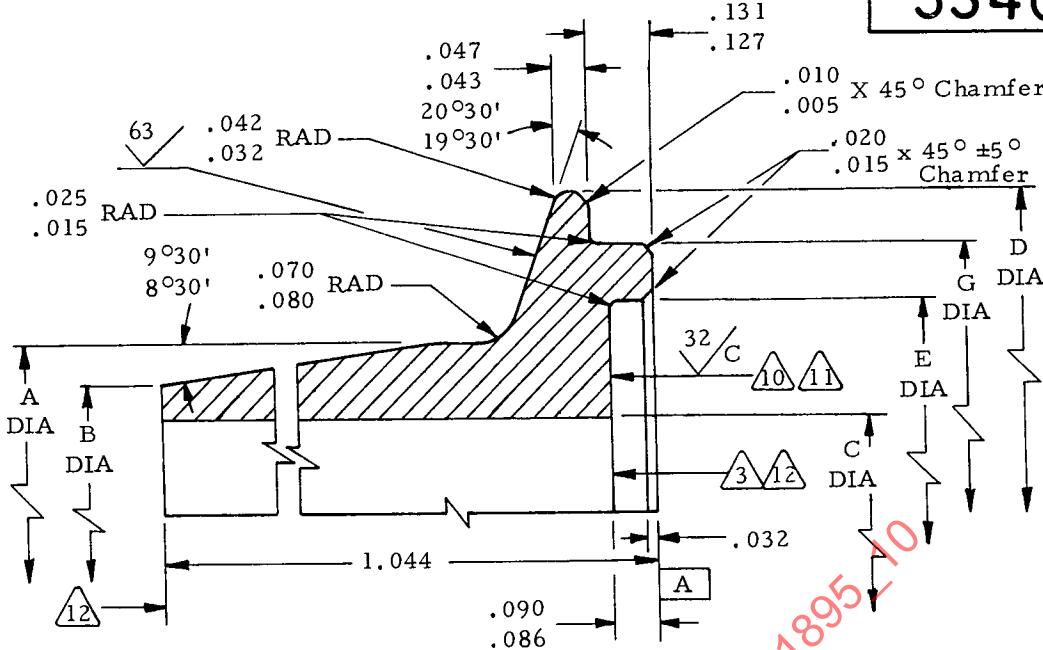


AS 1895/10

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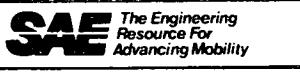


PART NUMBER	NOM TUBE SIZE	A DIA +.000 -.005	B DIA ±.005	C DIA +.005 -.000	D DIA ±.005	E DIA +.003 -.000	G DIA +.000 -.005
AS1895/10-150	1.50	1.687	1.507	0.450	2.250	1.750	2.064
AS1895/10-175	1.75	1.937	1.757	1.700	2.500	2.000	2.314
AS1895/10-200	2.00	2.187	2.007	1.950	2.750	2.250	2.564
AS1895/10-225	2.25	2.437	2.257	2.200	3.000	2.500	2.814
AS1895/10-250	2.50	2.687	2.507	2.440	3.250	2.750	3.064
AS1895/10-275	2.75	2.937	2.757	2.680	3.500	3.000	3.314
AS1895/10-300	3.00	3.187	3.007	2.920	3.750	3.250	3.564
AS1895/10-325	3.25	3.437	3.257	3.170	4.000	3.500	3.814
AS1895/10-350	3.50	3.687	3.507	3.410	4.250	3.750	4.064
AS1895/10-400	4.00	4.187	4.007	3.900	4.750	4.250	4.564
AS1895/10-450	4.50	4.687	4.507	4.380	5.250	4.750	5.064
AS1895/10-500	5.00	5.187	5.007	4.870	5.750	5.250	5.564
AS1895/10-550	5.50	5.687	5.507	5.360	6.250	5.750	6.064
AS1895/10-600	6.00	6.187	6.007	5.850	6.750	6.250	6.564

REVISED

ISSUED 12-85

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



400 Commonwealth Drive
Warrendale, PA 15096

AEROSPACE STANDARD

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

AS1895/10

SHEET 1 OF 3

NOTES:

1. Construction and Performance:

This flange, when mated with flange end per AS1895/13-XXX, flange P/N AS1895/3-XXX, flange P/N AS1895/11-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 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 = $\pm .010$, .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 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 $\perp 125$ except as noted.

14. Marking:

Mark packaging with supplier identification and AS1895/10-XXX part number.

REVISED

ISSUED 12-85

CUSTODIAN: SAE G-3/G-3A

PROCUREMENT SPECIFICATION: AS1895

AEROSPACE STANDARD

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

AS 1895/10

SHEET 2 OF 3