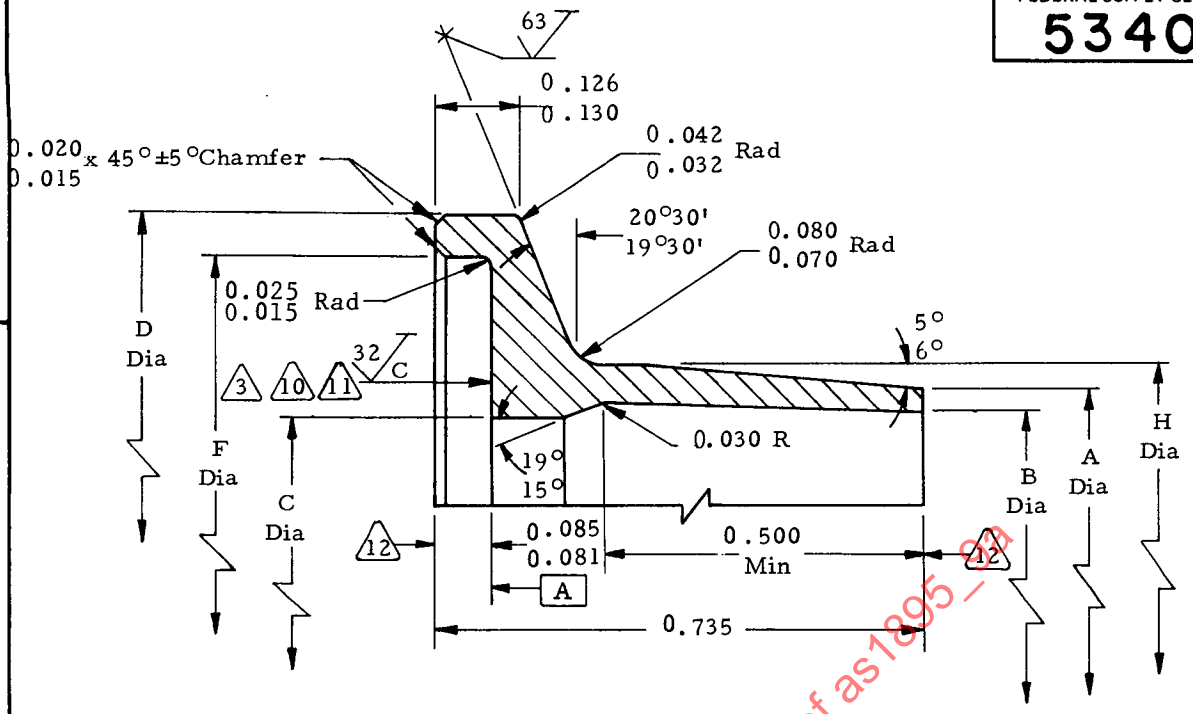
FEDERAL SUPPLY CLASS
5340



PART NUMBER	NOM TUBE SIZE	A DIA ±.005	B DIA ±.005	C DIA +.005 -.000	D DIA ±.005	F DIA +.005 -.000	H DIA +.000 -.005	MAX WT IN LBS
AS1895/9-100	1.00	1.007	0.950	0.900	1.510	1.386	1.069	0.074
AS1895/9-125	1.25	1.257	1.200	1.150	1.760	1.636	1.319	0.084
AS1895/9-150	1.50	1.507	1.450	1.400	2.010	1.886	1.569	0.105
AS1895/9-175	1.75	1.757	1.700	1.650	2.260	2.136	1.819	0.116
AS1895/9-200	2.00	2.007	1.950	1.900	2.510	2.386	2.069	0.137
AS1895/9-225	2.25	2.257	2.200	2.150	2.760	2.636	2.319	0.147
AS1895/9-250	2.50	2.507	2.450	2.400	3.010	2.886	2.569	0.168
AS1895/9-275	2.75	2.757	2.700	2.650	3.260	3.136	2.819	0.179
AS1895/9-300	3.00	3.007	2.940	2.900	3.510	3.386	3.069	0.210
AS1895/9-325	3.25	3.257	3.190	3.150	3.760	3.636	3.319	0.231
AS1895/9-350	3.50	3.507	3.430	3.400	4.010	3.886	3.569	0.252
AS1895/9-400	4.00	4.007	3.930	3.900	4.510	4.386	4.069	0.273
AS1895/9-450	4.50	4.507	4.420	4.400	5.010	4.886	4.569	0.326
AS1895/9-500	5.00	5.007	4.920	4.900	5.510	5.386	5.069	0.357
AS1895/9-550	5.50	5.507	5.420	5.400	6.010	5.886	5.569	0.389
AS1895/9-600	6.00	6.007	5.920	5.900	6.510	6.386	6.069	0.431

SHEET	1	2	3
REV.	A	A	A

ISSUED 12-85 REVISED (A) 2-88

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

SAE The Engineering Society For Advancing Mobility Land Sea Air and Space®
400 Commonwealth Drive
Warrendale, PA 15096

AEROSPACE STANDARD

FLANGE, FEMALE, BUTT WELD, TYPE II (LOW PROFILE)

AS1895/9

FEDERAL SUPPLY CLASS
5340

NOTES:

1. Construction and Performance:

   This flange, 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 100 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 = ±.010, .XX = ±.03, angles = ±1/2°.

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 surfaces 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 AS1895/9-XXX part number.

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