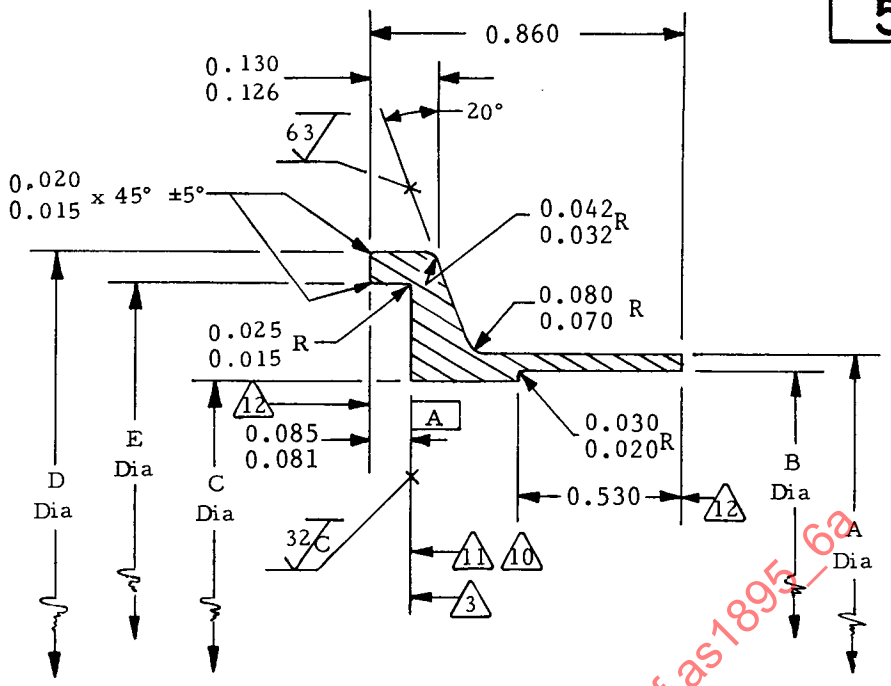
FEDERAL SUPPLY CLASS
5340



PART NUMBER	NOM TUBE SIZE	A DIA +.000 -.005	B DIA +.005 -.000	C DIA +.005 -.000	D DIA ±.005	E DIA +.005 -.000	MAX WT IN LBS
AS1895/6-100	1.00	1.069	1.005	0.900	1.510	1.386	0.074
AS1895/6-125	1.25	1.319	1.255	1.150	1.760	1.636	0.095
AS1895/6-150	1.50	1.569	1.505	1.400	2.010	1.886	0.105
AS1895/6-175	1.75	1.819	1.755	1.650	2.260	2.136	0.126
AS1895/6-200	2.00	2.069	2.005	1.900	2.510	2.386	0.137
AS1895/6-225	2.25	2.319	2.255	2.150	2.760	2.636	0.158
AS1895/6-250	2.50	2.569	2.505	2.400	3.010	2.886	0.179
AS1895/6-275	2.75	2.819	2.755	2.650	3.260	3.136	0.189
AS1895/6-300	3.00	3.069	3.005	2.900	3.510	3.386	0.210
AS1895/6-325	3.25	3.319	3.255	3.150	3.760	3.636	0.221
AS1895/6-350	3.50	3.569	3.505	3.400	4.010	3.886	0.242
AS1895/6-400	4.00	4.069	4.005	3.900	4.510	4.386	0.263
AS1895/6-450	4.50	4.569	4.505	4.400	5.010	4.886	0.294
AS1895/6-500	5.00	5.069	5.005	4.900	5.510	5.386	0.326
AS1895/6-550	5.50	5.569	5.505	5.400	6.010	5.886	0.368
AS1895/6-600	6.00	6.069	6.005	5.900	6.510	6.386	0.399

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

AS1895/6

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

FEDERAL SUPPLY CLASS
5340

NOTES:

1. Construction and Performance:

This flange, when mated with flange end AS1895/14-XXX, flange P/N AS1895/5-XXX, 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 thru 350 - Nickel Alloy 625 per AMS 5666 or AMS 5599.
Dash numbers 400 to 600 - Nickel Alloy 718 per 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.

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 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 AS1895/6-XXX part number.

15. Flatness Limit After Welding is .005 TIR. Exception:

For sizes 500 thru 600 (5.00-6.00 Inch) an increase to .007 TIR is acceptable.

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