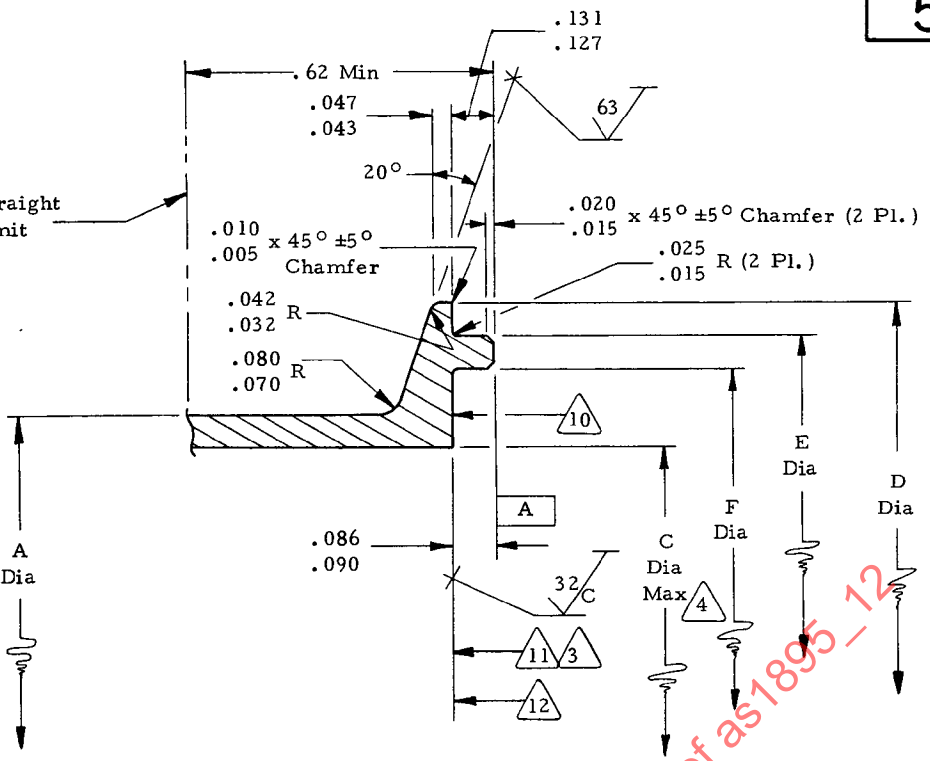
THIS IS A DESIGN STANDARD. DO NOT USE AS A PART NUMBER.

FEDERAL SUPPLY CLASS
5340



PART NUMBER	NOM TUBE SIZE	A DIA +.000 -.005	C DIA MAX 4	D DIA ±.005	E DIA +.000 -.005	F DIA +.003 -.000
AS1895/12-150	1.50	1.600	1.455	2.250	2.064	1.750
AS1895/12-175	1.75	1.850	1.705	2.500	2.314	2.000
AS1895/12-200	2.00	2.100	1.955	2.750	2.564	2.250
AS1895/12-225	2.25	2.350	2.205	3.000	2.814	2.500
AS1895/12-250	2.50	2.600	2.445	3.250	3.064	2.750
AS1895/12-275	2.75	2.850	2.685	3.500	3.314	3.000
AS1895/12-300	3.00	3.100	2.925	3.750	3.564	3.250
AS1895/12-325	3.25	3.350	3.175	4.000	3.814	3.500
AS1895/12-350	3.50	3.687	3.415	4.250	4.064	3.750
AS1895/12-400	4.00	4.187	3.905	4.750	4.564	4.250
AS1895/12-450	4.50	4.687	4.385	5.250	5.064	4.750
AS1895/12-500	5.00	5.187	4.875	5.750	5.564	5.250
AS1895/12-550	5.50	5.687	5.365	6.250	6.064	5.750
AS1895/12-600	6.00	6.187	5.855	6.750	6.564	6.250

ISSUED 12-85
REVISED

CUSTODIAN: G-3/G-3A

PROCUREMENT: AS1895

SAE The Engineering Resource For Advancing Mobility®
400 Commonwealth Drive
Warrendale, PA 15096

AEROSPACE STANDARD

FLANGE END, MALE TYPE 1
(STANDARD PROFILE) DESIGN STANDARD

AS 1895/12

Printed in U.S.A.

NOTES:

1. Construction and Performance:

   This flange end, when mated with flange end per AS1895/13-XXX, flange P/N AS1895/11-XXX, flange P/N AS1895/3-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 5562 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 = ±.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 $\mathbb{C}_L$ 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.

REVISED
ISSUED 12-85