

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.



REV.
E

TABLE 1 - DIMENSIONS

DESIGN STANDARD NUMBER /11/	(NOMINAL TUBE SIZE)	A +.000 -.005	C +.005 -.000 /4/	D ±.005	E +.005 -.000	K	L	M
AS1895/15-100	1.00	1.069	.900	1.510	1.386	.001	.003	1.360
AS1895/15-125	1.25	1.319	1.150	1.760	1.636	.001	.003	1.610
AS1895/15-150	1.50	1.569	1.400	2.010	1.886	.002	.003	1.860
AS1895/15-175	1.75	1.819	1.650	2.260	2.136	.002	.003	2.110
AS1895/15-200	2.00	2.069	1.900	2.510	2.386	.002	.003	2.360
AS1895/15-225	2.25	2.319	2.150	2.760	2.636	.002	.003	2.610
AS1895/15-250	2.50	2.569	2.400	3.010	2.886	.003	.003	2.860
AS1895/15-275	2.75	2.819	2.650	3.260	3.136	.003	.003	3.110
AS1895/15-300	3.00	3.069	2.900	3.510	3.386	.003	.003	3.360
AS1895/15-325	3.25	3.319	3.150	3.760	3.636	.003	.003	3.610
AS1895/15-350	3.50	3.569	3.400	4.010	3.886	.004	.003	3.860
AS1895/15-400	4.00	4.069	3.900	4.510	4.386	.004	.004	4.360
AS1895/15-450	4.50	4.569	4.400	5.010	4.886	.005	.004	4.860
AS1895/15-500	5.00	5.069	4.900	5.510	5.386	.005	.004	5.360
AS1895/15-550	5.50	5.569	5.400	6.010	5.886	.006	.004	5.860
AS1895/15-600	6.00	6.069	5.900	6.510	6.386	.006	.004	6.360
AS1895/15-650	6.50	6.569	6.400	7.010	6.886	.007	.004	6.860
AS1895/15-700	7.00	7.069	6.900	7.510	7.386	.007	.004	7.360
AS1895/15-750	7.50	7.569	7.400	8.010	7.886	.008	.004	7.860

NOTES:

- /1/ THIS FLANGE END IS DESIGNED TO MATE WITH FLANGE END PER AS1895/14 AND FOR USE WITH FLANGES PER AS1895.
2. MAXIMUM VARIATION OF WALL (RADIAL) THICKNESS IN ANY DIAMETRAL PLANE TO BE WITHIN .004 TOTAL.
- /3/ WORKMANSHIP: THE FLANGE END SHALL BE FREE OF SHARP EDGES AND BURRS AND SHALL BE CAPABLE OF MATING UNDER ALL TOLERANCE CONDITIONS OF THE COMPONENT PARTS. 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. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M; REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, MACHINED SURFACES TO BE 125 μ m Ra OR FINER.
6. BREAK EDGES .003 TO .015 UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONING AND TOLERANCING: ANSI Y14.5M-1982.
8. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS .XXX = $\pm$.010, .XX = $\pm$.03, ANGULAR DIMENSIONS $\pm$ 0 DEGREES 30'.
9. THIS IS A DESIGN STANDARD. DO NOT USE AS A PART NUMBER.
10. A CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.