



AEROSPACE STANDARD

AS 1249

Society of Automotive Engineers, Inc.

400 COMMONWEALTH DRIVE, WARRENDALE, PA. 15096

Issued 1-15-76

Revised

ELBOW-FLARED TUBE & UNIVERSAL, 45° WITH SEAL RING

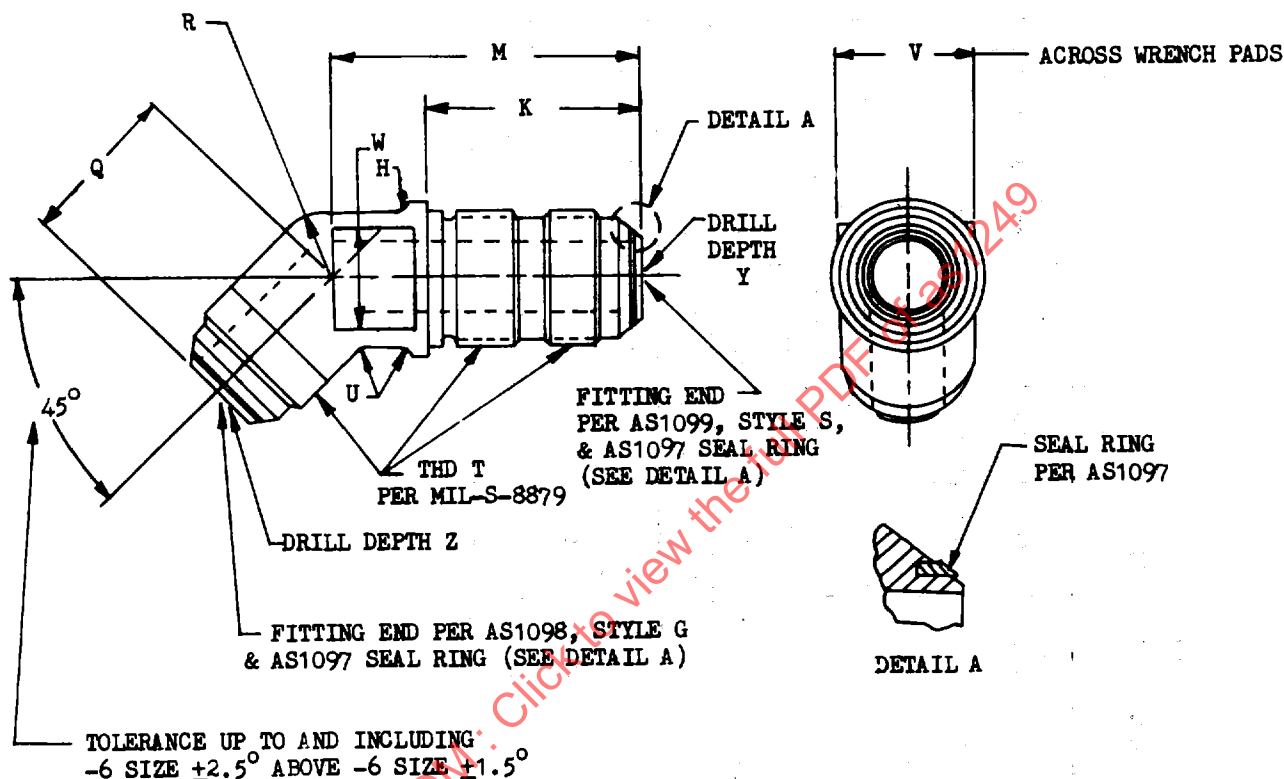


TABLE I
(INCHES)

PART NO. SEE NOTE 4	TUBING OD	THREAD T (REF)	H RAD	K REF	M +.047 -.000	Q +.047 -.000	R RAD	U RAD	V	W APPROX	Y +.047 -.000	Z +.047 -.000	WEIGHT LB (MAX)
AS1249-4	1/4	.4375-20	.063	1.110	1.531	.703	.219	.063	.438	.313	1.594	.766	.078
-6	3/8	.5625-18	.094	1.188	1.672	.813	.281	.094	.563	.375	1.750	.891	.111
-8	1/2	.7500-16	.094	1.375	1.938	.969	.375	.094	.750	.500	2.031	1.063	.224
-10	5/8	.8750-14	.094	1.516	2.172	1.094	.438	.094	.875	.625	2.281	1.203	.341
-12	3/4	1.0625-12	.094	1.687	2.438	1.266	.531	.094	1.063	.813	2.563	1.391	.549
-16	1	1.3125-12	.094	1.687	2.563	1.453	.656	.125	1.313	1.000	2.734	1.625	.775
-20	1-1/4	1.6250-12	.094	1.734	2.656	1.578	.813	.125	1.625	1.250	2.875	1.797	1.164
AS1249-24	1-1/2	1.8750-12	.094	1.750	2.672	1.766	.938	.125	1.875	1.500	2.938	2.031	1.738

NOTES: 1. BREAK ALL SHARP EDGES. REMOVE ALL BURRS AND SLIVERS.

2. DIMENSIONS IN INCHES AND MILLIMETERS.

3. TOLERANCES UNLESS NOTED: DECIMALS: $\pm .006$ mm, ANGLES: $\pm 0.5^\circ$
 $\pm .016$ INCHES

4. ADD J, K, OR S AFTER PART NUMBER TO DESIGNATE MATERIAL.

5. EXAMPLE OF PART NUMBER:

AS1249-4J = 1/4 OD TUBE CONNECTION OF 304 MATERIAL WITH AS1097 SEAL.

TABLE II
(MILLIMETERS, EXCEPT THREAD T)

PART NO. SEE NOTE 4	TUBING OD	THREAD T (REF)	H RAD	K REF	M +1.194 -0.000	Q +1.194 -0.000	R RAD	U RAD	V	W APPROX	Y +1.194 -0.000	Z +1.194 -0.000	WEIGHT Kg (MAX)
AS1249- 4	6.350	.4375-20	1.600	28.194	38.887	17.856	5.563	1.600	11.125	7.950	40.488	19.456	0.035
- 6	9.925	.5625-18	2.388	30.175	42.469	20.650	7.137	2.388	14.300	9.525	44.450	22.631	0.050
- 8	12.700	.7500-16		34.925	49.225	24.613	9.525		19.050	12.700	51.587	27.000	0.102
-10	15.875	.8750-14		38.506	55.169	27.788	11.125		22.225	15.875	57.937	30.556	0.155
-12	19.050	1.0625-12		42.850	61.925	32.156	13.487	2.388	27.000	20.650	65.100	35.331	0.249
-16	25.400	1.3125-12		42.850	65.100	36.906	16.662	3.175	33.350	25.400	69.444	41.275	0.352
-20	31.750	1.6250-12		44.044	67.462	40.081	20.650	3.175	41.275	31.750	73.025	45.644	0.528
AS1249-24	38.100	1.8750-12	2.388	44.450	67.869	44.856	23.825	3.175	47.625	38.100	74.625	51.587	0.788