



# AEROSPACE STANDARD

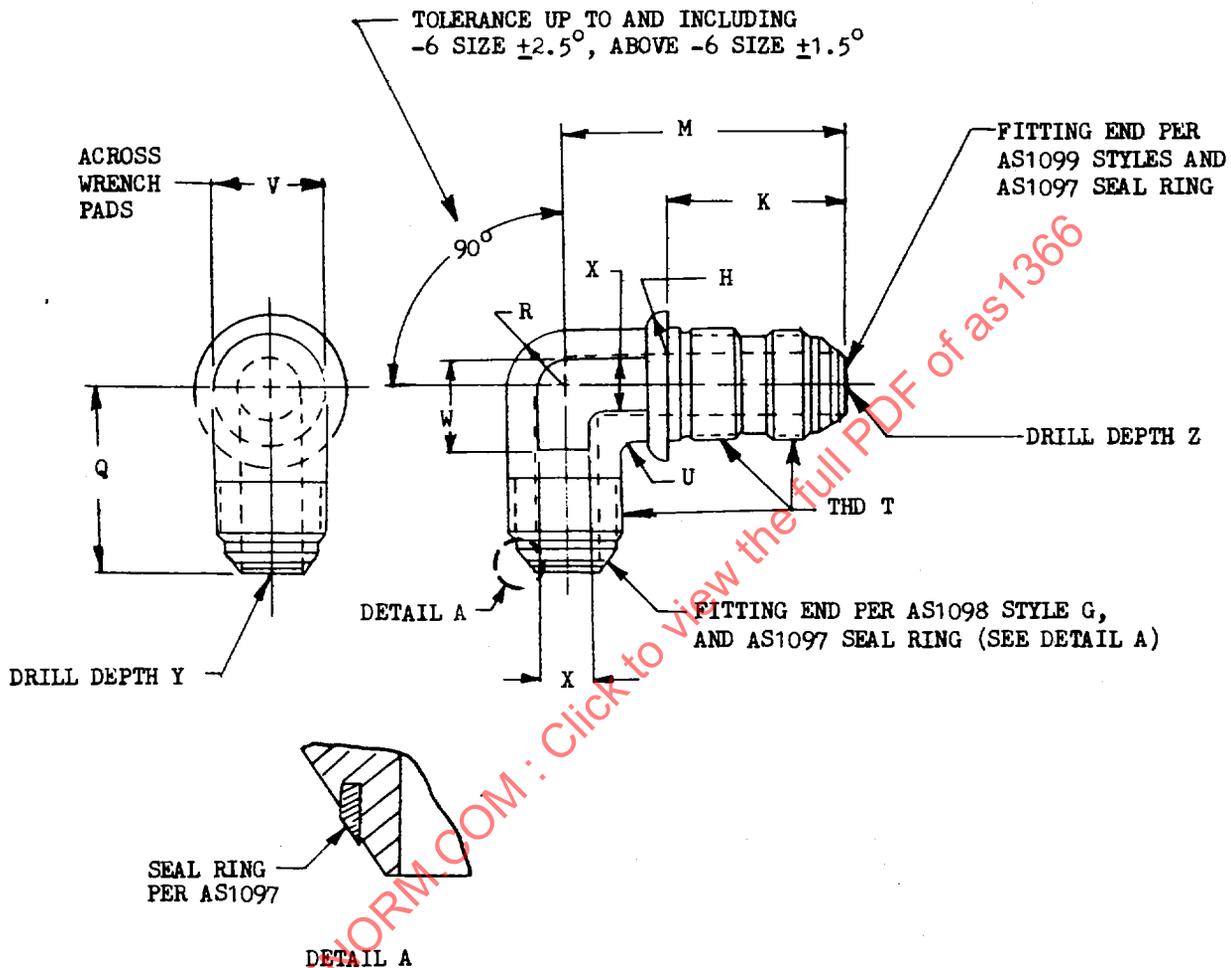
## AS 1366

Society of Automotive Engineers, Inc.  
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Revised

### ELBOW-FLARED TUBE, 90° AND BULKHEAD UNIVERSAL WITH SEAL RING

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# REAFFIRMED

APRIL 1993

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	X APPROX	Y +.047 -.000	Z +.047 -.000	WEIGHT LB (MAX)
AS1366-4	1/4	.4375-20	.063	1.110	1.578	.953	.219	.063	.438	.375	.250	.984	1.609	.078
-6	3/8	.5625-18	.093	1.188	1.797	1.078	.281	.094	.563	.500	.313	1.109	1.828	.123
-8	1/2	.7500-16		1.375	2.094	1.344	.375	.094	.750	.625	.438	1.375	2.125	.282
-10	5/8	.8750-14		1.516	2.376	1.547	.438	.125	.875	.750	.438	1.641	2.469	.394
-12	3/4	1.0625-12		1.687	2.656	1.766	.531	.125	1.063	.875	.500	1.859	2.750	.458
-16	1	1.3125-12		1.687	2.781	1.922	.656	.125	1.313	1.063	.625	2.016	2.875	.946
-20	1-1/4	1.6250-12		1.734	3.109	2.156	.813	.188	1.625	1.250	.750	2.281	3.234	1.265
AS1366 -24	1-1/2	1.8750-12	.093	1.750	3.406	2.328	.938	.188	1.875	1.438	.875	2.484	3.609	1.890

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

2. DIMENSIONS IN INCHES AND MILLIMETERS.

3. TOLERANCES UNLESS NOTED: DECIMALS  $\pm .406 \text{ mm}$ , ANGLES:  $\pm 0.5^\circ$   
 $\pm .016 \text{ INCHES}$

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

5. EXAMPLE OF PART NUMBER: AS1366 -4J = 1/4 OD TUBE CONNECTION OF 304 MATERIAL WITH AS1097 SEAL.

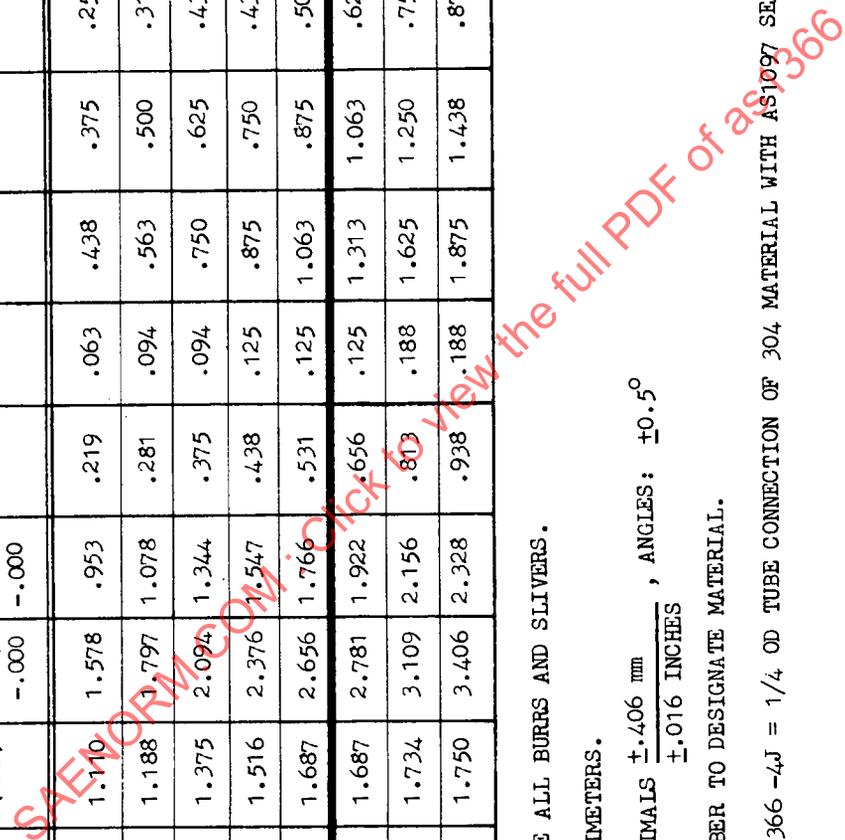


TABLE II  
(MILLIMETERS, EXCEPT THREAD T)

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	X APPROX	Y +1.194 -0.000	Z +1.194 -0.000	WEIGHT Kg (MAX)
AS1366-4	6.350	.4375-20	1.600	28.194	40.081	24.206	5.563	1.600	11.125	9.525	6.350	24.994	40.869	.035
-6	9.525	.5625-18	2.362	30.175	45.644	27.381	7.137	2.388	14.300	12.700	7.950	28.169	46.431	.057
-8	12.700	.7500-16		34.925	53.188	34.138	9.525	2.388	19.050	15.875	11.125	34.925	53.975	.128
-10	15.875	.8750-14		38.506	60.325	39.294	11.125	3.175	22.225	19.050	11.125	41.681	62.713	.179
-12	19.050	1.0625-12		42.850	67.462	44.856	13.487	3.175	27.000	22.225	12.700	47.219	69.850	.208
-16	25.400	1.3125-12		42.850	70.637	48.819	16.662	3.175	33.350	25.400	15.875	51.206	73.025	.429
-20	31.750	1.6250-12		44.044	78.969	54.762	20.650	4.775	41.275	31.750	19.050	57.937	83.144	.574
AS1366-24	38.100	1.8750-12	2.362	44.450	86.512	59.181	23.825	4.775	47.625	36.525	22.225	63.094	91.669	.857

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