

SSUED 2011-08 REVISED 2022-01

TABLE 1A - DIMENSIONS A THROUGH J

BASIC NO. AS6193 /16/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	A MAX	A1 MAX	B ±.015	ØE MAX	ØF MIN	G ±.015	(H)	J /13/ TUBE DEDUCTION
0404	.250	.250	1.043	.885	.898	.435	.253	.438	.562	.350 +.150/-.180
0505	.3125	.3125	1.213	1.060	.949	.503	.3155	.465	.625	.390 +.150/-.180
0606	.375	.375	1.402	1.170	1.055	.580	.378	.563	.688	.430 +.150/-.195
0808	.500	.500	1.655	1.390	1.208	.755	.503	.750	.875	.480 +.150/-.210
1010	.625	.625	1.715	1.475	1.412	.929	.629	.875	1.000	.535 +.150/-.200
1212	.750	.750	1.965	1.685	1.538	1.150	.754	1.063	1.250	.645 +.150/-.245
1616	1.000	1.000	2.505	2.125	1.766	1.474	1.004	1.312	1.500	.815 +.150/-.330
2020	1.250	1.250	2.935	2.520	2.036	1.768	1.255	1.618	1.812	.970 +.150/-.375

TABLE 1B - DIMENSIONS K THROUGH W4 AND WEIGHTS

BASIC NO. AS6193 /16/ SIZE CODE	NOMINAL TUBE SIZE END 1	NOMINAL TUBE SIZE END 2	K MAX	ØN GAGE	(T) THREAD PER AS8879	W MIN	W1 MAX	ØW2 ±.002	W3 MAX	W4 MAX	WEIGHT APPROX LB/EA
0404	.250	.250	.248	.2930	.4375-20 UNJF-3B	.185	.604	.320	.020	.020	.025
0505	.3125	.3125	.331	.3500	.5000-20 UNJF-3B	.180	.724	.371	.020	.020	.030
0606	.375	.375	.302	.4120	.5625-18 UNJF-3B	.195	.883	.463	.020	.020	.040
0808	.500	.500	.316	.5600	.7500-16 UNJF-3B	.210	1.076	.595	.020	.020	.075
1010	.625	.625	.424	.6730	.8750-14 UNJF-3B	.225	1.076	.758	.020	.020	.115
1212	.750	.750	.388	.8100	1.0625-12 UNJ-3B	.235	1.201	.903	.025	.025	.190
1616	1.000	1.000	.454	1.0620	1.3125-12 UNJ-3B	.260	1.566	1.196	.035	.035	.320
2020	1.250	1.250	.465	1.3160	1.6250-12 UNJ-3B	.285	1.829	1.460	.035	.035	.540

NOTES:

/1/ MATERIALS:

CODE LETTER "D"

BODY: TYPE 6061-T6 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/8.

RING: TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9.

NUT: TYPE 7075-T73 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/9.

WIRE: TYPE 302 OR 305, CONDITION A CORROSION RESISTANT STEEL WIRE PER ASTM A580 (SIZES -.04 AND .05).
TYPE 2024-T4 OR 2024-T351 ALUMINUM ALLOY WIRE PER AMS-QQ-A-225/6 (SIZES -.06 AND LARGER).

2. FINISH:

BODY: CHEMICAL CONVERSION COAT PER MIL-DTL-5541 TYPE I CLASS 3.

RING: ANODIZE PER MIL-PRF-8625, TYPE II, CLASS 2, DYED GREEN, SIMILAR TO NO. 14187, 14193, OR 14223 OF AMS-STD-595 AND SHALL BE DUPLEX SEALED.

NUT: ANODIZE PER MIL-PRF-8625 TYPE II, CLASS 2, DYED BROWN SIMILAR TO NO. 10080, OF AMS-STD-595 AND SHALL BE DUPLEX SEALED.

WIRE: TYPE 302 OR 305: PASSIVATE PER AMS2700.
TYPE 2024-T4 OR 2024-T351: ANODIZE PER MIL-PRF-8625 TYPE II, CLASS 2 (YELLOW) WITH NO DUPLEX SEAL.

/3/ COATINGS/LUBRICANTS:

BODY:

- a. DRY FILM LUBRICANT PER AS5272 TYPE I MAY BE APPLIED TO THE OD OF THE AXIALLY SWAGED FITTING END. ADDITIONAL LUBRICANT APPLIED SHALL BE SPECIFIED BY MANUFACTURER. THE LUBRICANTS SHALL NOT BE IN CONTACT WITH THE SYSTEM FLUID.

	AEROSPACE STANDARD	AS6193™ SHEET 2 OF 3	REV. A
	FITTING ASSEMBLY, ELBOW, 45°, AXIALLY SWAGED, FEMALE FLARELESS, HYDRAULIC, UP TO 1500 PSI		