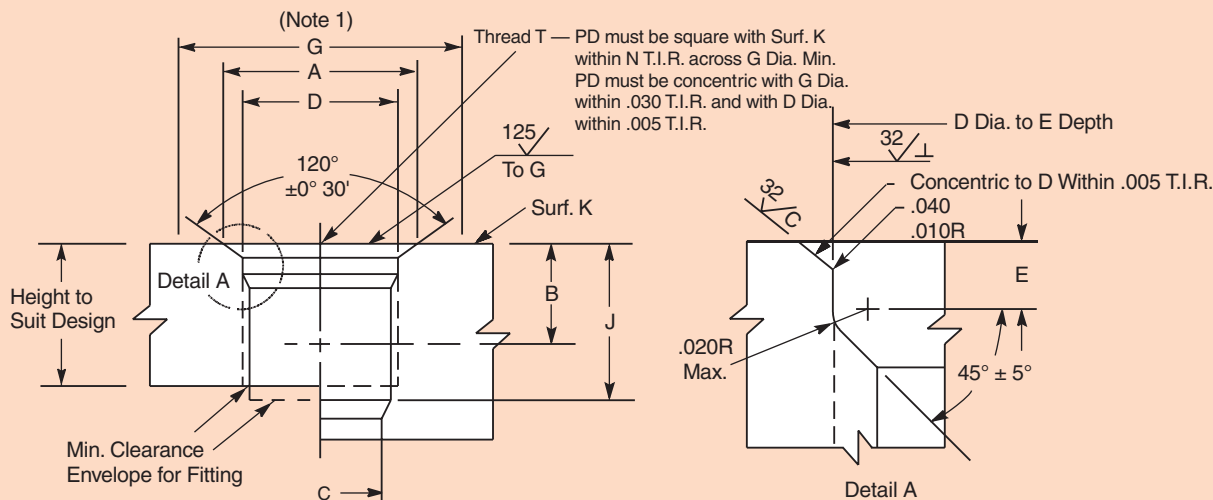


Tube Fitting Boss Seals



Note 1: Min. flat boss face. Clearance provisions for fitting, wrench, fitting installation and tool fillet radii must be added as required.

Note 2: Tube fittings per AS5202

Boss Dimensions for Military Straight Thread Tube Fitting O-ring Gaskets per AS5202 (Supersedes AND10049, AND10050 and MS33649)

Parker O-ring Size No.*	Actual O-Ring Dimensions W	Actual O-Ring Dimensions ID	Equiv. Tube Dash No.	Tube OD Min.	Thread T Per Mil-S-8879	A Dia. +.015 - .000	B Full Thd. Depth	C Dia.	D Dia. +.005 - .000	E +.015 - .000	G Dia. Min.	J Min.	N
3-901	.056 ± .003	.185 ± .005	1	—	.2500-28UNJF-3B	0.359	0.330	0.062	0.264	0.063	0.478	0.402	0.002
3-902	.064 ± .003	.239 ± .005	2	.125	.3125-24UNJF-3B	0.438	0.482	0.062	0.328	0.063	0.602	0.577	0.003
3-903	.064 ± .003	.301 ± .005	3	.188	.3750-24UNJF-3B	0.500	0.538	0.125	0.390	0.075	0.665	0.583	
3-904	.072 ± .003	.351 ± .005	4	.250	.4375-20UNJF-3B	0.562	0.568	0.172	0.454	0.075	0.728	0.656	
3-905	.072 ± .003	.414 ± .005	5	.312	.5000-20UNJF-3B	0.625		0.234	0.517	0.075	0.790		
3-906	.078 ± .003	.468 ± .005	6	.375	.5625-18UNJF-3B	0.688	0.598	0.297	0.580	0.083	0.852	0.709	0.004
3-907	.082 ± .003	.530 ± .007	7	.438	.6250-18UNJF-3B	0.750	0.614	0.360	0.643	0.094	0.915	0.725	0.005
3-908	.087 ± .003	.644 ± .009	8	.500	.7500-16UNJF-3B	0.875	0.714	0.391	0.769	0.107	1.040	0.834	
3-909	.097 ± .003	.706 ± .009	9	.562	.8125-16UNJ-3B	0.938	0.730	0.438	0.832	0.107	1.102	0.850	
3-910	.097 ± .003	.755 ± .009	10	.625	.8750-14UNJF-3B	1.000	0.802	0.484	0.896	0.107	1.165	0.960	
3-911	.116 ± .004	.863 ± .009	11	.688	1.0000-12UNJF-3B	1.156	0.877	0.547	1.023	0.125	1.352	1.064	0.008
3-912	.116 ± .004	.924 ± .009	12	.750	1.0625-12UNJ-3B	1.234		0.609	1.086		1.415		
3-914	.116 ± .004	1.047 ± .010	14	.875	1.1875-12UNJ-3B	1.362		0.734	1.211		1.540		
3-916	.116 ± .004	1.171 ± .010	16	1.000	1.3125-12UNJ-3B	1.487		0.844	1.336		1.665		
3-918	.116 ± .004	1.355 ± .012	18	1.125	1.5000-12UNJF-3B	1.675		0.953	1.524		1.790	1.116	0.010
3-920	.118 ± .004	1.475 ± .014	20	1.250	1.6250-12UNJ-3B	1.800		1.078	1.648		1.978		
3-924	.118 ± .004	1.720 ± .014	24	1.500	1.8750-12UNJ-3B	2.050		1.312	1.898		2.228		
3-928	.118 ± .004	2.090 ± .018	28	1.750	2.2500-12UNJ-3B	2.425		1.547	2.273		2.602		
3-932	.118 ± .004	2.337 ± .018	32	2.000	2.5000-12UNJ-3B	2.675	0.907	1.781	2.524		2.852	1.368	

*Parker dash numbers correspond with those of AS568A

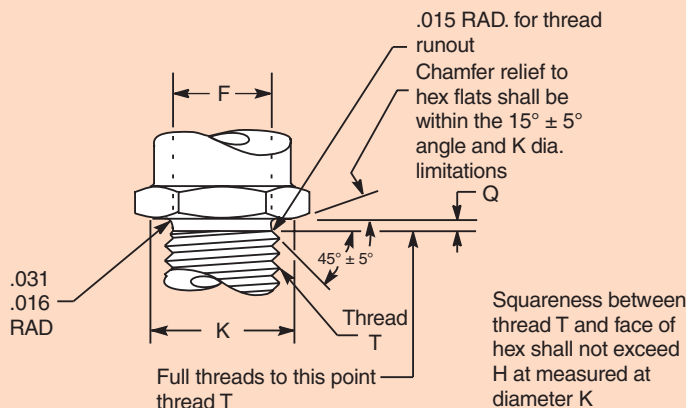
Design Table 4-3: Boss Dimensions for Military Straight Thread Tube Fitting O-ring Gaskets per AS5202 (Supersedes AND10049, AND10050 and MS33649)



WARNING: These products can expose you to chemicals including carbon black (airborne and extracts), antimony trioxide, titanium dioxide, silica (crystalline), di(2-ethylhexyl) phthalate, ethylene thiourea, acrylonitrile, 1,3-butadiene, epichlorohydrin, toluenediisocyanate, tetrafluoroethylene, ethylbenzene, formaldehyde, furfuryl alcohol, glass fibers, methyl isobutyl ketone, nickel (metallic and compounds), lead and lead compounds which are known to the State of California to cause cancer; and 1,3-butadiene, epichlorohydrin, di(2-ethylhexyl)phthalate, di-isodecyl phthalate, ethylene thiourea, methyl isobutyl ketone, methanol, toluene, lead and lead compounds which are known to the State of California to cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Tube Fitting Boss Seals

Use fitting end per AS4395



Fitting End AS4395 Used with J1926/1 and AS5202 Bosses (Supercedes MS 33656)
 (Only the dimensions that define the O-ring Cavity are shown below.)

Parker O-ring Size No.	Tubing OD	Thread T		E Dimension Across Hex Flats		F +.002 -.003	H Max.	K Dia. ±.010	G +.015 -.000
3-902	1/8	5/16-24	UNF-3A	.563	+.003 -.004	.250	.005	.549	.063
3-903	3/16	3/8-24		.625		.312		.611	.063
3-904	1/4	7/16-20		.688		.364		.674	.075
3-905	5/16	1/2-20		.750		.426		.736	.075
3-906	3/8	9/16-18		.813		.481		.799	.083
3-908	1/2	3/4-16	UNJ-3A	1.000	±.016 ±.020	.660	.008	.986	.094
3-910	5/8	7/8-14		1.125		.773		1.111	.107
3-912	3/4	1 1/16-12		1.375		.945		1.361	.125
3-914*	7/8	1 3/16-12		1.500		1.070		1.475	
3-916	1	1 5/16-12		1.625		1.195		1.599	
3-920	1 1/4	1 5/8-12		1.875		1.507		1.879	
3-924	1 1/2	1 7/8-12		2.125		1.756		2.095	
3-932	2	2 1/2-12		2.750		2.381		2.718	

*No fitting end for the 3-914 O-ring size is included in AS4395, but the dimensions shown here follow the same pattern.

Design Table Table 4-4: Fitting end AS4395 used with J1926/1 and AS5202 bosses (only the dimensions that define the O-ring cavity are shown.)



WARNING: These products can expose you to chemicals including carbon black (airborne and extracts), antimony trioxide, titanium dioxide, silica (crystalline), di(2-ethylhexyl) phthalate, ethylene thiourea, acrylonitrile, 1,3-butadiene, epichlorohydrin, toluenediisocyanate, tetrafluoroethylene, ethylbenzene, formaldehyde, furfuryl alcohol, glass fibers, methyl isobutyl ketone, nickel (metallic and compounds), lead and lead compounds which are known to the State of California to cause cancer; and 1,3-butadiene, epichlorohydrin, di(2-ethylhexyl)phthalate, di-isodecyl phthalate, ethylene thiourea, methyl isobutyl ketone, methanol, toluene, lead and lead compounds which are known to the State of California to cause birth defects and other reproductive harm. For more information go to www.P65Warnings.ca.gov.