Easy-Align Sanitary Type 304 Stainless Steel Tube Fittings

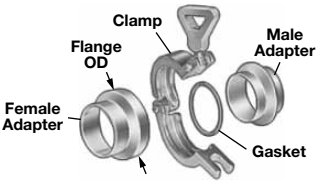
- Maximum Pressure: Determined by clamp (see below)
- Temp. Range: –30° to +200° F
- Tubing: Use with 4466K on page 124

How to Measure Tube OD



Measure the fitting behind the flange.

Tube OD



Also known as I-line fittings, the male and female ends interlock to provide a higher pressure rating than other quick-clamp fittings. After you butt-weld these fittings to your tubing, simply clamp the flanged ends together for a rigid "no-slip" connection. The fittings meet 3-A sanitary requirements; the clamps do not. Use with dairy and water. They can be sterilized with steam (autoclaving) and chemicals. Not rated for vacuum.

Clamps are cast from Type 304 stainless steel and have a Type 304 wing nut; they can be hand-tightened.

Adapters and ***caps*** are fabricated from Type 304 stainless steel tubing and are polished to a 32Ra finish on the OD and ID.

Note: For a complete connection, you'll need a clamp, a male adapter, a female adapter, and a gasket.

Clamps



For Tube OD	Flange OD	Max. psi @ 72° F		Each
1″, 1½″	2″	1220	5081K61	$27.79
2″	2⅝″	900	5081K63	34.42
3″	3⅞″	600	5081K64	49.05

Quick-Clamp to Butt-Weld Adapters





For Tube OD	Flange OD	Wall Thick.	*Male*	Each	*Female*	Each
1″	2″	0.065″	5081K81	$7.09	5081K21	$7.99
1½″	2″	0.065″	5081K82	7.09	5081K22	7.99
2″	2⅝″	0.065″	5081K83	12.72	5081K23	12.48
3″	3⅞″	0.065″	5081K84	29.82	5081K24	34.55

Caps





For Tube OD	*Male*	Each	*Female*	Each
1″	5081K41	$13.17	5081K51	$14.07
1½″	5081K42	13.17	5081K52	14.07
2″	5081K43	16.20	5081K53	18.67
3″	5081K44	33.86	5081K54	40.39

Buna-N Gaskets



For Tube OD	Gasket OD		Each	For Tube OD	Gasket OD		Each
1″	1¼″	5081K71	$1.24	2″	2¼″	5081K73	$1.35
1½″	1¾″	5081K72	1.24	3″	3⁵⁄₁₆″	5081K74	2.33

Thin-Wall Type 316L Stainless Steel Socket-Weld Tube Fittings

- Maximum Pressure @ 65° F: 1500 psi
- Temp. Range: Not rated
- Tubing: Use with Types 304 and 316 welded stainless steel

Fabricated from thin-wall Type 316L stainless steel tubing, these fittings provide leak-free connections on thin-wall tubing. Insert your tubing into the socket ends of the fittings and weld for a permanent connection. Use with water, air, hydraulic fluid, and oil. Not rated for sterilization or vacuum.









For Tube OD	Wall Thick.	*Couplings*	Each	*90° Elbows*	Each	*180° Bends*	Each	*Tees*	Each
¼″	0.025″	4048K11	$5.58	4048K51	$9.64	4048K61	$15.19	4048K21	$17.02
⅜″	0.028″	4048K12	6.04	4048K52	10.34	4048K62	15.80	4048K22	19.15
½″	0.032″	4048K13	6.53	4048K53	11.96	4048K63	18.33	4048K23	21.17
¾″	0.042″	4048K14	11.13	4048K54	18.48	4048K64	30.29	4048K24	27.79
1″	0.049″	4048K15	18.57	4048K55	27.36	4048K65	48.13	4048K25	45.69

Type 316 Stainless Steel Socket-Weld Tube Fittings

- Maximum Pressure @ 72° F: 4300 psi
- Temp. Range: –425° to +1200° F
- Tubing: Use with seamless or welded Types 304 and 316 stainless steel that meets ASTM A269

Create leak-free connections that withstand extreme pressures and temperatures. Insert your tubing into the socket ends of these fittings and weld for a permanent connection. All are machined from Type 316 stainless steel bar stock, except the elbows and tees, which are forged Type 316 stainless steel. Use with water, air, natural gas, and hydraulic oil. They meet ANSI B31.1.0 and B31.7. Not rated for sterilization or vacuum.

Socket-to-Pipe Adapters







For Tube OD	Pipe Size, NPT	*Male Pipe*	Each	*Female Pipe*	Each	*90° Elbows, Female Pipe*	Each
¼″	⅛″	51255K231	$8.50	51255K301	$9.47	51255K311	$17.92
¼″	¼″	51255K232	6.97	51255K302	12.84	51255K312	20.87
⅜″	¼″	51255K233	9.10	51255K303	12.50	51255K313	24.63
⅜″	⅜″	51255K234	9.10	51255K304	17.22	51255K314	27.86
⅜″	½″	51255K235	13.93				
½″	⅜″	51255K236	12.13	51255K305	16.07	51255K315	28.64
½″	½″	51255K237	13.37	51255K306	13.71	51255K316	32.36
¾″	¾″	51255K239	21.74	51255K308	31.77	51255K318	72.92
1″	1″	51255K241	35.81				

Socket-to-Socket Connectors







For Tube OD	*Couplings*	Each	*90° Elbows*	Each	*Tees*	Each
¼″	51255K201	$6.43	51255K211	$13.73	51255K221	$19.81
⅜″	51255K202	6.60	51255K212	17.83	51255K222	23.90
½″	51255K203	9.47	51255K213	23.36	51255K223	34.80
¾″	51255K205	19.55	51255K215	49.01	51255K225	66.91
1″	51255K206	29.97	51255K216	86.00	51255K226	120.44