

Low-Pressure Socket-Connect Stainless Steel Unthreaded Pipe Fittings **CAD**

- Use with air, natural gas, oil, water
- Maximum Pressure: 150 psi @ 72°F
- Pipe Nipples and Pipe: Use unthreaded Schedule 40 standard-wall stainless steel (see page 39)
- Flanges: Use unthreaded Class 150 low-pressure stainless steel (see below and page 38)

The highest-quality socket-connect fittings available, these meet ANSI/MSS SP-114 standards for heat treating, material thickness, and marking. Also known as Class 150 fittings, they are designed for low-pressure applications. Socket-connect fittings are easier to weld than butt-weld fittings because the fitting doesn't need to align perfectly to the pipe. Slide pipe into the socket and weld for a strong, permanent connection.

304 stainless steel fittings have very good corrosion resistance. **316 stainless steel** fittings have excellent corrosion resistance.

Unions separate into three pieces for access to your line.

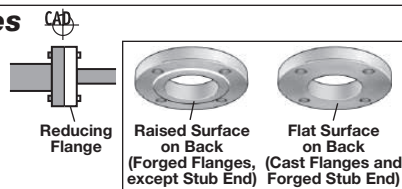
Pipe Size	90° Elbows	45° Elbows	Tees	Straights	Unions
304 Stainless Steel					
1/2	4335T32 \$8.79	4335T42 \$10.81	4335T52 \$11.88	4335T62 \$7.93	4335T72 \$24.71
3/4	4335T33 12.58	4335T43 15.82	4335T53 18.90	4335T63 11.47	4335T73 31.28
1	4335T34 17.84	4335T44 19.30	4335T54 24.11	4335T64 17.38	4335T74 47.20
1 1/4	4335T35 31.28	4335T45 30.88	4335T55 47.91	4335T65 27.64	4335T75 70.95
1 1/2	4335T36 41.64	4335T46 36.74	4335T56 59.58	4335T66 32.85	4335T76 80.23
2	4335T37 52.81	4335T47 51.70	4335T57 71.04	4335T67 46.29	4335T77 96.05
316 Stainless Steel					
1/2	43685K12 11.37	43685K22 13.54	43685K32 14.76	43685K52 9.15	43685K62 28.05
3/4	43685K13 16.52	43685K23 17.84	43685K33 21.78	43685K53 13.24	43685K63 35.58
1	43685K14 20.72	43685K24 22.34	43685K34 27.34	43685K54 19.76	43685K64 53.67
1 1/4	43685K17 35.53	43685K27 35.12	43685K37 54.43	43685K57 31.43	43685K67 80.45
1 1/2	43685K15 47.40	43685K25 41.74	43685K35 66.00	43685K55 37.34	43685K65 91.32
2	43685K16 59.93	43685K26 58.37	43685K36 81.90	43685K56 52.56	43685K66 108.88

Low-Pressure Stainless Steel Unthreaded Pipe Flanges **CAD**

Bolt two flat-surface flanges or two raised-surface flanges of the same size together with a gasket (sold separately on pages 3619-3624) to create an access point in a pipe line.

304 stainless steel flanges offer very good corrosion resistance, and **316 stainless steel** flanges have excellent corrosion resistance.

Butt-weld flanges are also known as weld-neck flanges; the flange neck has a beveled end that, when flush to pipe, creates a trough for a strong weld. **Slip-on** weld flanges have no internal stop; slide a pipe through the flange and weld on both sides. **Socket-connect** flanges have an internal stop that supports the pipe when welding and prevents the pipe from sliding all the way through. **Stub-end** flanges are also known as lap-joint flanges; use them with a stub-end fitting (not included). The stub-end fitting slides into the flange and welds to pipe (not the flange). Since the flange isn't welded to the pipe, it can be disconnected easily for frequent cleaning and inspecting. **Cap** flanges are also known as blind flanges.



Class 150 Forged Flanges

- Use with air, natural gas, oil, water
- Maximum Pressure: 150 psi @ 72°F
- Pipe Nipples and Pipe: Use unthreaded Schedule 40 standard-wall stainless steel (see page 39)
- Fittings: Use butt-weld Schedule 40 standard-wall stainless steel (see page 36)

Forged flanges have better strength than cast flanges. All include a material certificate with traceable lot number and test report. Flanges meet ASTM A182 and ANSI/ASME B16.5, unless noted.

Pipe Size	Flange OD	For Bolt Dia. (No.)	Butt Weld	Slip-On Weld	Socket Connect	Stub End	Cap
304/304L Stainless Steel							
1/2	3 1/2"	1/2" (4)	44685K211 \$34.41	44685K178 \$29.58	44685K189 \$31.36	44685K311 \$31.17	44685K162 \$30.00
3/4	3 7/8"	1/2" (4)	44685K212 41.64	44685K179 32.16	44685K191 37.12	44685K312 32.30	44685K163 32.96
1	4 1/4"	1/2" (4)	44685K222 45.27	44685K181 34.20	44685K192 38.82	44685K313 37.21	44685K164 34.98
1 1/4	4 5/8"	1/2" (4)	44685K223 72.44	44685K182 48.06	44685K193 52.03	44685K314 60.24	44685K165 48.06
1 1/2	5"	1/2" (4)	44685K224 63.38	44685K183 48.15	44685K194 54.93	44685K315 51.65	44685K166 50.35
2	6"	5/8" (4)	44685K225 67.80	44685K184 60.32	44685K195 71.98	44685K316 62.53	44685K167 61.04
2 1/2	7"	5/8" (4)	44685K226 108.42	44685K185 87.91	44685K196 108.82	44685K317 104.09	44685K168 91.31
3	7 1/2"	5/8" (4)	44685K227 111.13	44685K186 91.02	44685K197 107.75	44685K318 94.33	44685K169 100.15
4	9"	5/8" (8)	44685K228 168.87	44685K187 123.55	44685K198 149.35	44685K319 126.40	44685K171 139.22
6	11"	3/4" (8)	44685K229 242.07	44685K188 189.68	44685K199 258.35	44685K161 195.88	44685K172 203.22
8	13 1/2"	3/4" (8)	44685K175 433.84	44685K173 320.17	44685K174 458.68	44685K176 357.62	44685K177 366.17
10	16"	7/8" (12)	44685K324 479.88	44685K322 356.05	_____	44685K326 388.62	44685K328 458.94
12	19"	7/8" (12)	44685K325 604.17	44685K323 484.17	_____	44685K327 566.58	44685K329 579.48
316/316L Stainless Steel							
1/2	3 1/2"	1/2" (4)	44695K191 39.58	44695K168 32.28	44695K179 36.79	44695K212 38.22	44695K152 33.18
3/4	3 7/8"	1/2" (4)	44695K192 50.88	44695K169 45.66	44695K181 43.88	44695K213 47.27	44695K153 44.45
1	4 1/4"	1/2" (4)	44695K193 59.25	44695K171 45.57	44695K182 54.09	44695K214 48.65	44695K154 51.39
1 1/4	4 5/8"	1/2" (4)	44695K194 84.12	44695K172 55.31	44695K183 69.91	44695K215 67.64	44695K155 54.92
1 1/2	5"	1/2" (4)	44695K195 78.07	44695K173 60.32	44695K184 72.62	44695K216 63.38	44695K156 59.47
2	6"	5/8" (4)	44695K196 91.84	44695K174 78.07	44695K185 91.49	44695K217 80.11	44695K157 97.73
2 1/2	7"	5/8" (4)	44695K197 123.61	44695K175 108.82	44695K186 120.15	44695K218 121.67	44695K158 124.87
3	7 1/2"	5/8" (4)	44695K198 160.92	44695K176 130.58	44695K187 139.23	44695K219 135.36	44695K159 132.65
4	9"	5/8" (8)	44695K199 198.40	44695K177 167.72	44695K188 189.73	44695K221 173.50	44695K161 183.00
6	11"	3/4" (8)	44695K211 305.77	44695K178 237.22	44695K189 349.53	44695K151 227.32	44695K162 265.42
8	13 1/2"	3/4" (8)	44695K165 530.03	44695K163 441.83	44695K164 620.59	44695K166 458.57	44695K167 526.30
10	16"	7/8" (12)	44695K253 593.71	44695K251 470.28	_____	44695K255 523.25	44695K257 525.75
12	19"	7/8" (12)	44695K254 844.72	44695K252 628.40	_____	44695K256 704.32	44695K258 741.71

■ Does not meet ANSI/ASME B16.5.

(Continued on following page)