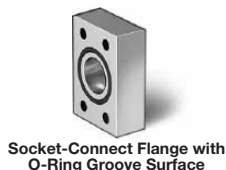


High-Pressure Stainless Steel Unthreaded SAE Pipe Flanges

- Use with hydraulic fluid
- Maximum Pressure: See table



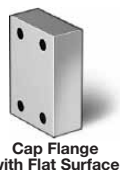
Socket-Connect Flange with O-Ring Groove Surface



Socket-Connect Flange with Flat Surface



Cap Flange with O-Ring Groove Surface



Cap Flange with Flat Surface

Create an access point in a high-pressure hydraulic fluid line with these machined flanges. They are also known as Code 61 SAE hydraulic flanges. To connect, bolt a flange with an O-ring groove surface to a flange with a flat surface of the same size. Flanges are 316/316L stainless steel for excellent corrosion resistance and they meet ISO 6162 and SAE J518.

Flanges with **O-ring groove surface** come with mounting hardware. O-ring is fluoroelastomer. Flanges with **flat surface** do not include mounting hardware.

Socket-connect flanges weld to pipe for a strong, permanent connection. **Cap** flanges are also known as blind flanges.

Socket-Connect Flanges

Pipe Size	SAE Flange Size	Max. psi @ 72°F	Flange		For Bolt Dia. (No.)	O-Ring Groove Surface		Flat Surface	
			Ht.	Wd.					
For Inch Bolts									
3/4	3/4	5,000	25/8"	13/4"	3/8" (4)	1431N015	\$90.94	1431N11	\$89.98
1	1	5,000	253/64"	2"	3/8" (4)	1431N016	97.38	1431N012	95.42
1 1/2	1 1/2	3,000	33/4"	23/4"	1/2" (4)	1431N017	136.50	1431N013	117.11
2	2	3,000	4"	3 1/4"	1/2" (4)	1431N018	150.87	1431N014	144.89
For Metric Bolts									
3/4	3/4	5,000	67 mm	44 mm	10 mm (4)	1431N019	90.94		
1	1	5,000	72 mm	51 mm	10 mm (4)	1431N021	97.38		
1 1/2	1 1/2	3,000	95 mm	70 mm	12 mm (4)	1431N022	136.50		
2	2	3,000	102 mm	83 mm	12 mm (4)	1431N023	150.87		

Cap Flanges

SAE Flange Size	Max. psi @ 72°F	Flange		For Bolt Dia. (No.)	O-Ring Groove Surface		Flat Surface	
		Ht.	Wd.					
For Inch Bolts								
3/4	5,000	25/8"	13/4"	3/8" (4)	1431N028	\$116.38	1431N024	\$118.31
1	4,600	253/64"	2"	3/8" (4)	1431N029	115.60	1431N025	115.62
1 1/2	3,000	33/4"	23/4"	1/2" (4)	1431N031	182.60	1431N026	177.20
2	3,000	4"	3 1/4"	1/2" (4)	1431N032	202.04	1431N027	197.53
For Metric Bolts								
3/4	5,000	67 mm	44 mm	10 mm (4)	1431N033	116.38		
1	4,600	72 mm	51 mm	10 mm (4)	1431N034	115.60		
1 1/2	3,000	95 mm	70 mm	12 mm (4)	1431N035	182.60		
2	3,000	102 mm	83 mm	12 mm (4)	1431N036	202.04		

Extreme-Pressure Socket-Connect Stainless Steel Unthreaded Pipe Fittings

- Use with air, natural gas, oil, steam, water
- Maximum Pressure: See table
- Pipe: Use unthreaded Schedule 160 extra-thick-wall stainless steel (see below)

The strongest socket-connect fittings we offer, these heavy duty forged fittings are also known as Class 6000. They 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. Fittings are Schedule 160 and meet ANSI/ASME B16.11 and ASTM A182.

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



90° Elbows



45° Elbows



Tees



Straights



Caps

304/304L Stainless Steel												
1/2	7,700	6,500	2064K11	\$49.98	2064K22	\$69.35	2064K16	\$71.20	2064K27	\$24.35	2064K33	\$31.14
3/4	7,100	5,900	2064K12	60.22	2064K23	78.73	2064K17	82.18	2064K28	34.29	2064K34	39.40
1	6,400	5,300	2064K13	90.82	2064K24	113.92	2064K18	110.51	2064K29	47.16	2064K35	45.12
1 1/2	4,800	4,000	2064K14	181.12	2064K25	177.65	2064K19	250.25	2064K31	97.43	2064K36	75.61
2	4,700	3,900	2064K15	276.36	2064K26	305.38	2064K21	321.11	2064K32	140.46	2064K37	108.58
316/316L Stainless Steel												
1/2	7,700	6,400	2077K11	63.55	2077K22	91.12	2077K16	83.33	2077K27	33.73	2077K33	37.50
3/4	7,100	5,900	2077K12	83.69	2077K23	101.04	2077K17	103.06	2077K28	44.06	2077K34	45.52
1	6,400	5,300	2077K13	118.88	2077K24	143.65	2077K18	148.29	2077K29	62.71	2077K35	58.08
1 1/2	4,800	3,900	2077K14	213.20	2077K25	218.00	2077K19	288.03	2077K31	149.65	2077K36	112.47
2	4,700	3,800	2077K15	306.95	2077K26	325.16	2077K21	424.74	2077K32	204.38	2077K37	171.87

Extra-Thick-Wall Stainless Steel Unthreaded Pipe

- Use with air, hydraulic fluid, natural gas, oil, steam, water
- Fittings: Use socket-connect Class 6000 extreme-pressure stainless steel (see above)

With an extra-thick wall, this Schedule 160 pipe is the strongest stainless steel pipe we offer. Weld it to fittings and additional lengths of pipe. Welded connections are stronger than threaded connections and less likely to leak. Pipe is seamless, which provides a smooth interior for unrestricted flow. Meets ASTM A312.

304 stainless steel pipe has very good corrosion resistance. **316 stainless steel** pipe has excellent corrosion resistance.



Pipe Size	304 Stainless Steel						316 Stainless Steel					
	1-ft. Lengths		3-ft. Lengths		6-ft. Lengths		1-ft. Lengths		3-ft. Lengths		6-ft. Lengths	
1/2	2053K11	\$24.19	2053K16	\$60.47	2053K22	\$100.78	2057K11	\$31.78	2057K16	\$79.45	2057K22	\$132.42
3/4	2053K12	42.01	2053K17	105.04	2053K23	175.06	2057K12	52.36	2057K17	130.91	2057K23	218.18
1	2053K13	54.29	2053K18	135.72	2053K24	226.20	2057K13	66.30	2057K18	165.74	2057K24	276.24
1 1/2	2053K14	74.67	2053K19	196.86	2053K25	339.42	2057K14	90.29	2057K19	238.04	2057K25	410.42
2	2053K15	102.39	2053K21	269.95	2053K26	465.43	2057K15	128.77	2057K21	339.49	2057K26	585.32