

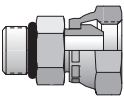
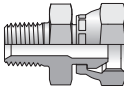
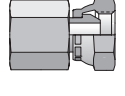
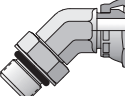
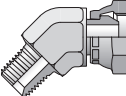
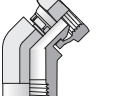
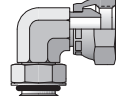
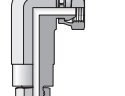
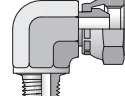
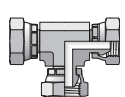
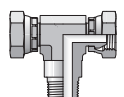
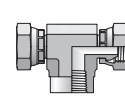
Straights	0507 SAE-ORB / NPSM Swivel  F5	0107 NPTF / NPSM Swivel  F5	0207 NPTF / NPSM Swivel  F6	45° Elbows	3507 SAE-ORB / NPSM Swivel  F6
3107 NPTF / NPSM Swivel  F6	3207 NPTF / NPSM Swivel  F6	90° Elbows	2507 SAE-ORB / NPSM Swivel  F7	5507 SAE-ORB / NPSM Swivel  F7	2107 NPTF / NPSM Swivel  F7
5607 NPTF / NPSM Swivel Long Drop  F7	2207 NPTF / NPSM Swivel  F8	Tees	077T NPSM Swivel / NPSM Swivel / NPSM Swivel  F8	217T NPSM Swivel / NPSM Swivel / NPTF  F8	227T NPSM Swivel / NPSM Swivel / NPTF  F8

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Pipe Swivels

Pipe (NPSM) swivel connections are one of the most traditional types of hydraulic connections. NPSM swivel adapters add versatility to male NPT hose and adapter connections. This versatility allows equipment manufacturers to simplify their hose assembly requirements by specifying NPSM adapters. See Fig. G1 for an illustration of the various connection configurations allowing product flexibility.

Parker offers a full line of NPSM pipe swivel adapters. Fourteen configurations are available as standard, many of which are available in steel and stainless steel. Parker's pipe swivels are designed for use with male NPT/NPTF hose fittings and adapters with a 30° machined seat.

How Pipe Swivel Fittings Work

Pipe swivel adapters are manufactured in accordance to SAE J514 specifications, and thus are designed to work in conjunction with several manufacturers' hose and adapter products. Unlike most pipe thread connections, NPSM swivel adapters do not seal on the threads. NPSM swivel connections incorporate parallel threads, as opposed to tapered. Sealing is accomplished between the nose of the swivel and the mating seat of the NPT pipe thread. This creates a metal-to-metal seal as shown in Fig. G2. Thus, a mating NPT male connector must have this 30° seat to ensure proper sealing. A full internal 30° seat with surface finish requirements of 125 Ra or better is required. See SAE J516 for specific requirements of the 30° seat.

Not all male NPT ends have the 30° seat. Parts that have this seat will include a note in the catalog.

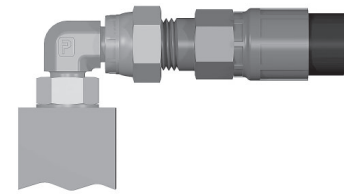
Threads:

NPTF: ANSI B1.20.1, FED-STD-H28/7
NPT: SAEJ476, ANSI B1.20.3, FED-STD-H28/8
NPSM: ANSI B1.20.1, FED-STD-H28/7
*UN/UNF: ANSI B1.1, FED-STD-H28/2 (*Class 2A or 2B)

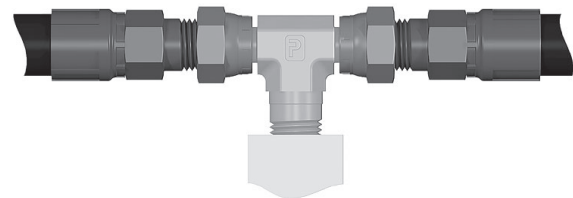
Reference Locations

Assembly and Installation: Please refer to Section R for the assembly and installation instructions for Pipe Swivels.

Standard material specifications: Please refer to Table S34 located in the General Technical Section.



Adapter Port Connection



NPSM / NPT Union

Fig. G1 — Illustration of the flexibility of the NPT Port and Hose Adapter system

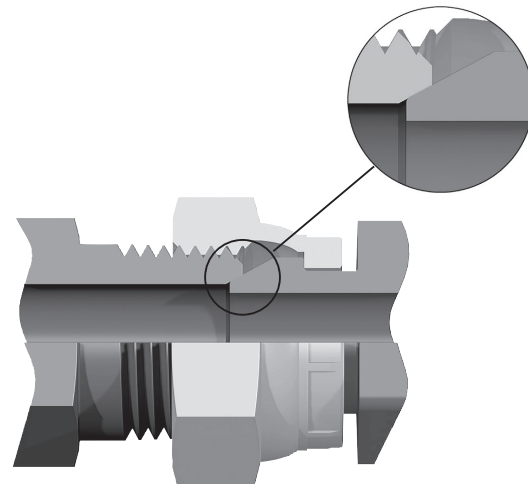


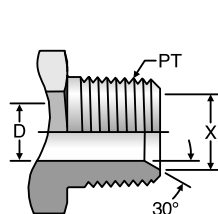
Fig. G2 — Illustration showing how NPSM swivel adapters seal on mating chamfer in male pipe thread

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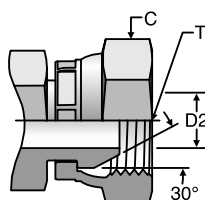
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Pipe Swivel (NPSM) Ends



Male Pipe End



NPSM Pipe Swivel

	NPT/NPTF Thread	NPSM Thread	Hex - Swivel	Drill - Male	Drill - Swivel	Chamfer Dia.	Thread Length
	PT	T	C	D	D2	X	L
Size	NPT/NPTF	NPSM	(in.)	(in.)	(in.)	(in.)	(in.)
2	1/8-27	1/8-27	9/16	0.188	0.156	0.281	0.38
4	1/4-18	1/4-18	11/16	0.281	0.219	0.344	0.56
6	3/8-18	3/8-18	7/8	0.406	0.344	0.469	0.56
8	1/2-14	1/2-14	1	0.531	0.469	0.625	0.75
12	3/4-14	3/4-14	1 1/4	0.719	0.641	0.813	0.75
16	1-11 1/2	1-11 1/2	1 1/2	0.938	0.844	1.031	0.94
20	1 1/4-11 1/2	1 1/4-11 1/2	1 7/8	1.250	1.141	1.344	0.97
24	1 1/2-11 1/2	1 1/2-11 1/2	2 1/8	1.500	1.359	1.625	1.00
32	2-11 1/2	2-11 1/2	2 5/8	1.938	1.813	2.063	1.03

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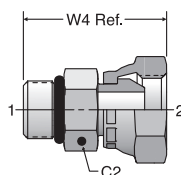
Dimensions and pressures for reference only, subject to change.

[Click here for CADs, Support Resources or to Configure Parts Online](#)

0507

Straight Thread Adapter
SAE-ORB / NPSM Swivel

SAE 140157



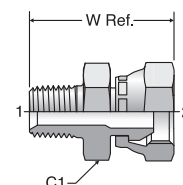
TUBE FITTING PART #	END SIZE		C2 HEX BODY (in.)	W4 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1	2			-S	-SS	-B
	UN/UNF-2A	NPSM					
0507-4-2	7/16 - 20	1/8 - 27	9/16	1.21	6.0	6.0	3.3
0507-4-4	7/16 - 20	1/4 - 18	9/16	1.32	6.0	6.0	3.3
0507-5-4	1/2 - 20	1/4 - 18	5/8	1.32	6.0	6.0	3.3
0507-6-4	9/16 - 18	1/4 - 18	11/16	1.35	6.0	6.0	3.3
0507-6-6	9/16 - 18	3/8 - 18	11/16	1.37	6.0	6.0	3.3
0507-6-8	9/16 - 18	1/2 - 14	3/4	1.57	5.0	5.0	3.3
0507-8-4	3/4 - 16	1/4 - 18	7/8	1.43	6.0	6.0	3.3
0507-8-6	3/4 - 16	3/8 - 18	7/8	1.45	6.0	6.0	3.3
0507-8-8	3/4 - 16	1/2 - 14	7/8	1.56	5.0	5.0	3.3
0507-8-12	3/4 - 16	3/4 - 14	1	1.79	4.0	4.0	2.6
0507-10-6	7/8 - 14	3/8 - 18	1	1.59	5.0	5.0	3.3
0507-10-8	7/8 - 14	1/2 - 14	1	1.73	5.0	5.0	3.3
0507-10-12	7/8 - 14	3/4 - 14	1 1/4	1.88	4.0	4.0	2.6
0507-12-8	1 1/16 - 12	1/2 - 14	1 1/4	1.88	5.0	5.0	3.3
0507-12-12	1 1/16 - 12	3/4 - 14	1 1/4	1.97	4.0	4.0	2.6
0507-12-16	1 1/16 - 12	1 - 11 1/2	1 1/2	2.12	3.0	3.0	1.9
0507-14-12	1 3/16 - 12	3/4 - 14	1 3/8	1.97	4.0	4.0	2.6
0507-16-12	1 5/16 - 12	3/4 - 14	1 1/2	1.90	4.0	4.0	2.6
0507-16-16	1 5/16 - 12	1 - 11 1/2	1 1/2	2.12	3.0	3.0	1.9
0507-20-16	1 5/8 - 12	1 - 11 1/2	1 7/8	2.20	3.0	3.0	1.9
0507-20-20	1 5/8 - 12	1 1/4 - 11 1/2	1 7/8	2.21	2.5	2.5	1.6
0507-24-24	1 7/8 - 12	1 1/2 - 11 1/2	2 1/8	2.39	2.0	2.0	1.3
0507-32-32	2 1/2 - 12	2 - 11 1/2	2 3/4	2.49	1.5	1.5	1.0

WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

0107

Male Pipe Adapter
NPTF / NPSM Swivel

SAE 140130



TUBE FITTING PART #	END SIZE		C1 HEX (in.)	W (in.)	Dynamic Pressure (x 1,000 PSI)		
	1	2			-S	-SS	-B
	NPTF	NPSM					
0107-2-2	1/8 - 27	1/8 - 27	9/16	1.09	6.0	6.0	3.3
0107-2-4	1/8 - 27	1/4 - 18	5/8	1.24	6.0	6.0	3.3
0107-4-2	1/4 - 18	1/8 - 27	11/16	1.39	6.0	6.0	3.3
0107-4-4	1/4 - 18	1/4 - 18	11/16	1.43	6.0	6.0	3.3
0107-4-6	1/4 - 18	3/8 - 18	13/16	1.45	6.0	6.0	3.3
0107-4-8	1/4 - 18	1/2 - 14	15/16	1.44	5.0	5.0	3.3
0107-6-4	3/8 - 18	1/4 - 18	11/16	1.49	6.0	6.0	3.3
0107-6-6	3/8 - 18	3/8 - 18	7/8	1.51	6.0	6.0	3.3
0107-6-8	3/8 - 18	1/2 - 14	15/16	1.73	5.0	5.0	3.3
0107-8-4	1/2 - 14	1/4 - 18	1	1.75	6.0	6.0	3.3
0107-8-6	1/2 - 14	3/8 - 18	7/8	1.70	6.0	6.0	3.3
0107-8-8	1/2 - 14	1/2 - 14	1	1.91	5.0	5.0	3.3
0107-8-12	1/2 - 14	3/4 - 14	1 1/4	2.04	4.0	4.0	2.6
0107-12-8	3/4 - 14	1/2 - 14	1 1/8	1.91	5.0	5.0	2.6
0107-12-12	3/4 - 14	3/4 - 14	1 1/4	2.04	4.0	4.0	2.6
0107-12-16	3/4 - 14	1 - 11 1/2	1 1/2	2.17	3.0	3.0	1.9
0107-16-12	1 - 11 1/2	3/4 - 14	1 3/8	2.29	4.0	4.0	1.9
0107-16-16	1 - 11 1/2	1 - 11 1/2	1 1/2	2.37	3.0	3.0	1.9
0107-16-20	1 - 11 1/2	1 1/4 - 11 1/2	1 3/4	2.38	2.5	2.5	1.6
0107-20-16	1 1/4 - 11 1/2	1 - 11 1/2	1 7/8	2.46	3.0	3.0	1.6
0107-20-20	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 7/8	2.47	2.5	2.5	1.6
0107-20-24	1 1/4 - 11 1/2	1 1/2 - 11 1/2	2 1/8	2.58	2.0	2.0	1.3
0107-24-20	1 1/2 - 11 1/2	1 1/4 - 11 1/2	2 1/8	2.51	2.5	2.5	1.3
0107-24-24	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2 1/8	2.61	2.0	2.0	1.3
0107-32-32	2 - 11 1/2	2 - 11 1/2	2 5/8	2.80	1.5	1.5	1.0

WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

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Dimensions and pressures for reference only, subject to change.

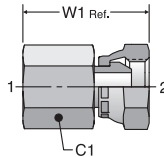


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0207

Female Pipe Adapter
NPTF / NPSM Swivel

SAE 140131



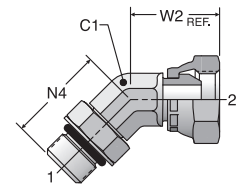
TUBE FITTING PART #	END SIZE		C1 HEX (in.)	W1 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1	2			-S	-SS	-B
	NPTF	NPSM					
0207-2-2	1/8 - 27	1/8 - 27	9/16	1.02	6.0	6.0	3.3
0207-2-4	1/8 - 27	1/4 - 18	11/16	1.33	6.0	6.0	3.3
0207-4-2	1/4 - 18	1/8 - 27	9/16	1.32	6.0	6.0	3.3
0207-4-4	1/4 - 18	1/4 - 18	11/16	1.43	6.0	6.0	3.3
0207-6-4	3/8 - 18	1/4 - 18	7/8	1.49	6.0	6.0	3.3
0207-6-6	3/8 - 18	3/8 - 18	7/8	1.51	6.0	6.0	3.3
0207-6-8	3/8 - 18	1/2 - 14	1	1.64	5.0	5.0	3.3
0207-8-4	1/2 - 14	1/4 - 18	1	1.70	5.0	5.0	3.3
0207-8-6	1/2 - 14	3/8 - 18	1	1.73	5.0	5.0	3.3
0207-8-8	1/2 - 14	1/2 - 14	1	1.79	5.0	5.0	3.3
0207-12-8	3/4 - 14	1/2 - 14	1 1/4	1.85	4.0	4.0	2.6
0207-12-12	3/4 - 14	3/4 - 14	1 1/4	1.97	4.0	4.0	2.6
0207-16-12	1 - 11 1/2	3/4 - 14	1 1/2	2.28	3.0	3.0	1.9
0207-16-16	1 - 11 1/2	1 - 11 1/2	1 1/2	2.37	3.0	3.0	1.9
0207-20-20	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 7/8	2.38	2.5	2.5	1.6
0207-24-24	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2 1/8	2.42	2.0	2.0	1.3
0207-32-32	2 - 11 1/2	2 - 11 1/2	2 5/8	2.55	1.5	1.5	1.0

WARNING: This product can expose you to chemicals including Lead and Lead Compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

3507

45° Straight Thread Elbow
SAE-ORB / NPSM Swivel

SAE 140357

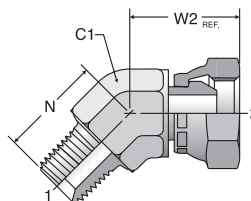


TUBE FITTING PART #	END SIZE		C1 HEX (in.)	N4 (in.)	W2 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1	2				-S	-SS	-B
	UN/UNF-2A	NPSM						
3507-4-4	7/16 - 20	1/4 - 18	7/16	1.05	0.79	6.0	6.0	3.3
3507-6-4	9/16 - 18	1/4 - 18	9/16	1.11	0.94	6.0	6.0	3.3
3507-6-6	9/16 - 18	3/8 - 18	9/16	1.14	1.03	6.0	6.0	3.3
3507-6-8	9/16 - 18	1/2 - 14	3/4	1.08	1.16	5.0	5.0	3.3
3507-8-6	3/4 - 16	3/8 - 18	3/4	1.30	1.02	6.0	6.0	3.3
3507-8-8	3/4 - 16	1/2 - 14	3/4	1.30	1.18	5.0	5.0	3.3
3507-8-12	3/4 - 16	3/4 - 14	3/4	1.41	1.37	3.0	3.0	1.9
3507-10-6	7/8 - 14	3/8 - 18	1 1/16	1.35	0.98	5.0	5.0	3.3
3507-10-8	7/8 - 14	1/2 - 14	7/8	1.52	1.17	5.0	5.0	3.3
3507-10-12	7/8 - 14	3/4 - 14	1 1/16	1.36	1.40	3.0	3.0	1.9
3507-12-8	1 1/16 - 12	1/2 - 14	1 1/16	1.73	1.12	5.0	5.0	3.3
3507-12-12	1 1/16 - 12	3/4 - 14	1 1/16	1.73	1.37	3.0	3.0	1.9
3507-16-16	1 5/16 - 12	1 - 11 1/2	1 5/16	1.86	1.52	2.5	2.5	1.6

3107

45° Male Pipe Elbow
NPTF / NPSM Swivel

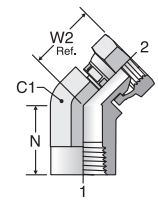
SAE 140330



TUBE FITTING PART #	END SIZE		C1 HEX (in.)	N (in.)	W2 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1 NPTF	2 NPSM				-S	-SS	-B
3107-2-2	1/8 - 27	1/8 - 27	7/16	0.52	0.77	6.0	6.0	3.3
3107-4-4	1/4 - 18	1/4 - 18	9/16	0.86	0.91	6.0	6.0	3.3
3107-6-6	3/8 - 18	3/8 - 18	3/4	0.95	1.10	6.0	6.0	3.3
3107-6-8	3/8 - 18	1/2 - 14	1 1/16	1.09	1.16	5.0	5.0	3.3
3107-8-4	1/2 - 14	1/4 - 18	1 1/16	1.34	0.96	5.0	5.0	3.3
3107-8-6	1/2 - 14	3/8 - 18	7/8	1.17	1.10	6.0	6.0	3.3
3107-8-8	1/2 - 14	1/2 - 14	7/8	1.17	1.17	5.0	5.0	3.3
3107-8-12	1/2 - 14	3/4 - 14	1 1/16	1.50	1.24	3.0	3.0	1.9
3107-12-8	3/4 - 14	1/2 - 14	1 1/16	1.20	1.23	4.0	4.0	1.9
3107-12-12	3/4 - 14	3/4 - 14	1 1/16	1.20	1.37	3.0	3.0	1.9
3107-12-16	3/4 - 14	1 - 11 1/2	1 5/16	1.50	1.32	2.5	2.5	1.6
3107-16-12	1 - 11 1/2	3/4 - 14	1 5/16	1.48	1.47	3.0	3.0	1.6
3107-16-16	1 - 11 1/2	1 - 11 1/2	1 5/16	1.48	1.52	2.5	2.5	1.6
3107-20-16	1 1/4 - 11 1/2	1 - 11 1/2	1 5/8	1.75	1.55	2.5	2.5	1.3
3107-20-20	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 5/8	1.67	1.61	2.0	2.0	1.3
3107-24-24	1 1/2 - 11 1/2	1 1/2 - 11 1/2	1 7/8	1.77	1.77	2.0	2.0	1.3
3107-32-32	2 - 11 1/2	2 - 11 1/2	2 1/2	2.11	1.89	1.1	1.1	0.7

3207

45° Female Pipe Elbow
NPTF / NPSM Swivel



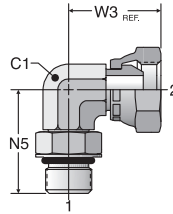
TUBE FITTING PART #	END SIZE		C1 HEX (in.)	N (in.)	W2 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1	2				-S	-SS	-B
	NPTF	NPSM						
3207-4-4	1/4 - 18	1/4 - 18	3/4	0.91	0.94	5.0	5.0	3.3
3207-6-6	3/8 - 18	3/8 - 18	7/8	1.00	0.97	4.5	4.5	2.9
3207-8-8	1/2 - 14	1/2 - 14	1 1/16	1.01	1.12	3.0	3.0	1.9
3207-12-12	3/4 - 14	3/4 - 14	1 5/16	1.25	1.31	3.0	3.0	1.9
3207-16-16	1 - 11 1/2	1 - 11 1/2	1 5/8	1.44	1.55	1.8	1.8	1.1

Dimensions and pressures for reference only, subject to change.

2507

Straight Thread Elbow
SAE-ORB / NPSM Swivel

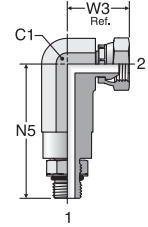
SAE 140257



TUBE FITTING PART #	END SIZE		C1 HEX (in.)	N5	W3 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1	2				-S	-SS	-B
	UN/UNF-2A	NPSM						
2507-4-4	7/16 - 20	1/4 - 18	7/16	1.03	0.97	6.0	6.0	3.3
2507-4-6	7/16 - 20	3/8 - 18	9/16	1.28	1.23	6.0	6.0	3.3
2507-6-4	9/16 - 18	1/4 - 18	9/16	1.25	1.06	6.0	6.0	3.3
2507-6-6	9/16 - 18	3/8 - 18	9/16	1.25	1.10	6.0	6.0	3.3
2507-6-8	9/16 - 18	1/2 - 14	3/4	1.41	1.29	5.0	5.0	3.3
2507-8-4	3/4 - 16	1/4 - 18	3/4	1.30	1.09	6.0	6.0	3.3
2507-8-6	3/4 - 16	3/8 - 18	3/4	1.45	1.19	6.0	6.0	3.3
2507-8-8	3/4 - 16	1/2 - 14	3/4	1.45	1.33	5.0	5.0	3.3
2507-8-12	3/4 - 16	3/4 - 14	3/4	1.62	1.65	3.0	3.0	1.9
2507-10-6	7/8 - 14	3/8 - 18	7/8	1.70	1.26	5.0	5.0	3.3
2507-10-8	7/8 - 14	1/2 - 14	7/8	1.70	1.40	5.0	5.0	3.3
2507-10-12	7/8 - 14	3/4 - 14	7/8	1.78	1.62	3.0	3.0	1.9
2507-12-8	1 1/16 - 12	1/2 - 14	1 1/16	1.94	1.50	5.0	5.0	3.3
2507-12-12	1 1/16 - 12	3/4 - 14	1 1/16	1.94	1.65	3.0	3.0	1.9
2507-12-16	1 1/16 - 12	1 - 11 1/2	1 3/16	2.08	1.91	2.5	2.5	1.6
2507-16-12	1 5/16 - 12	3/4 - 14	1 3/16	2.08	1.89	3.0	3.0	1.9
2507-16-16	1 5/16 - 12	1 - 11 1/2	1 5/16	2.05	1.91	2.5	2.5	1.6
2507-20-20	1 5/8 - 12	1 1/4 - 11 1/2	1 5/8	2.25	2.16	2.0	2.0	1.3
2507-24-24	1 7/8 - 12	1 1/2 - 11 1/2	1 7/8	2.39	2.31	1.1	1.1	0.7

5507

Long Straight Thread Elbow
SAE-ORB / NPSM Swivel

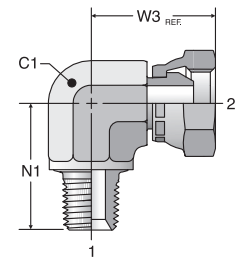


TUBE FITTING PART #	END SIZE		C1 HEX (in.)	N5 (in.)	W3 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1	2				-S	-SS	-B
	UN/UNF-2A	NPSM						
5507-4-4	7/16 - 20	1/4 - 18	3/4	2.19	1.13	6.0	6.0	3.3
5507-6-6	9/16 - 18	3/8 - 18	7/8	2.59	1.20	6.0	6.0	3.3
5507-8-6	3/4 - 16	3/8 - 18	7/8	2.47	1.20	6.0	6.0	3.3

2107

Male Pipe Elbow
NPTF / NPSM Swivel

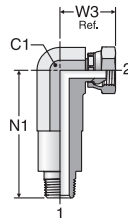
SAE 140230



TUBE FITTING PART #	END SIZE		C1 HEX (in.)	N1 (in.)	W3 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1	2				-S	-SS	-B
	NPTF	NPSM						
2107-2-2	1/8 - 27	1/8 - 27	7/16	0.72	0.85	6.0	6.0	3.3
2107-2-4	1/8 - 27	1/4 - 18	7/16	1.00	0.97	6.0	6.0	3.3
2107-4-2	1/4 - 18	1/8 - 27	9/16	1.02	1.05	6.0	6.0	3.3
2107-4-4	1/4 - 18	1/4 - 18	9/16	1.09	1.06	6.0	6.0	3.3
2107-4-6	1/4 - 18	3/8 - 18	3/4	1.09	1.28	6.0	6.0	3.3
2107-6-4	3/8 - 18	1/4 - 18	3/4	1.22	1.17	6.0	6.0	3.3
2107-6-6	3/8 - 18	3/8 - 18	3/4	1.22	1.28	6.0	6.0	3.3
2107-6-8	3/8 - 18	1/2 - 14	3/4	1.22	1.33	5.0	5.0	3.3
2107-8-4	1/2 - 14	1/4 - 18	7/8	1.69	1.18	6.0	6.0	3.3
2107-8-6	1/2 - 14	3/8 - 18	7/8	1.47	1.35	6.0	6.0	3.3
2107-8-8	1/2 - 14	1/2 - 14	7/8	1.47	1.40	5.0	5.0	3.3
2107-8-12	1/2 - 14	3/4 - 14	1 1/16	1.47	1.65	3.0	3.0	1.9
2107-12-6	3/4 - 14	3/8 - 18	1 1/16	1.59	1.48	4.0	4.0	2.6
2107-12-8	3/4 - 14	1/2 - 14	1 1/16	1.59	1.53	4.0	4.0	2.6
2107-12-12	3/4 - 14	3/4 - 14	1 1/16	1.59	1.65	3.0	3.0	1.9
2107-12-16	3/4 - 14	1 - 11 1/2	1 3/16	2.19	1.72	2.5	2.5	1.6
2107-16-12	1 - 11 1/2	3/4 - 14	1 5/16	1.97	1.82	3.0	3.0	1.9
2107-16-16	1 - 11 1/2	1 - 11 1/2	1 5/16	1.97	1.91	2.5	2.5	1.6
2107-16-20	1 - 11 1/2	1 1/4 - 11 1/2	1 7/16	2.41	1.87	2.0	2.0	1.3
2107-20-16	1 1/4 - 11 1/2	1 - 11 1/2	1 5/8	2.62	1.98	2.5	2.5	1.6
2107-20-20	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 5/8	2.38	2.11	2.0	2.0	1.3
2107-24-24	1 1/2 - 11 1/2	1 1/2 - 11 1/2	1 7/8	2.64	2.31	2.0	2.0	1.0
2107-32-32	2 - 11 1/2	2 - 11 1/2	2 1/2	3.00	2.70	1.1	1.1	0.7

5607

Long Male Pipe Elbow
NPTF / NPSM Swivel



TUBE FITTING PART #	END SIZE		C1 HEX (in.)	N1 (in.)	W3 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1	2				-S	-SS	-B
	NPTF	NPSM						
5607-2-2	1/8 - 27	1/8 - 27	9/16	1.64	0.92	6.0	6.0	3.3
5607-4-4	1/4 - 18	1/4 - 18	3/4	2.25	1.16	6.0	6.0	3.3
5607-6-6	3/8 - 18	3/8 - 18	7/8	2.76	1.20	6.0	6.0	3.3
5607-8-8	1/2 - 14	1/2 - 14	1 1/16	3.19	1.48	5.0	5.0	3.3
5607-12-12	3/4 - 14	3/4 - 14	1 5/16	3.66	1.69	3.0	3.0	1.9
5607-16-16	1 - 11 1/2	1 - 11 1/2	1 7/8	4.31	2.15	2.5	2.5	1.6

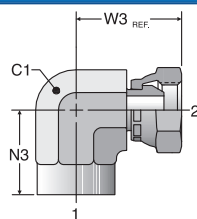
Dimensions and pressures for reference only, subject to change.

[Click here for CADs, Support Resources or to Configure Parts Online](#)

2207

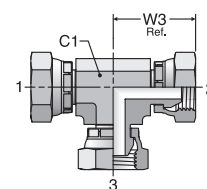
Female Pipe Elbow
NPTF / NPSM Swivel

SAE 140231



077T

NPSM Union Tee
NPSM Swivel (all three ends)

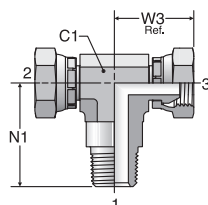


TUBE FITTING PART #	END SIZE		C1 HEX (in.)	N3 (in.)	W3 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1 NPTF	2 NPSM				-S	-SS	-B
2207-2-2	1/8 - 27	1/8 - 27	9/16	0.66	0.95	5.0	5.0	3.3
2207-4-4	1/4 - 18	1/4 - 18	3/4	0.88	1.17	5.0	5.0	3.3
2207-4-6	1/4 - 18	3/8 - 18	7/8	0.88	1.26	4.5	4.5	2.9
2207-6-6	3/8 - 18	3/8 - 18	7/8	1.02	1.26	4.5	4.5	2.9
2207-8-6	1/2 - 14	3/8 - 18	1 1/16	1.37	1.34	3.0	3.0	1.9
2207-8-8	1/2 - 14	1/2 - 14	1 1/16	1.23	1.53	3.0	3.0	1.9
2207-12-12	3/4 - 14	3/4 - 14	1 5/16	1.36	1.82	3.0	3.0	1.9
2207-16-16	1 - 11 1/2	1 - 11 1/2	1 5/8	1.62	2.10	1.8	1.8	1.1
2207-20-20	1 1/4 - 11 1/2	1 1/4 - 11 1/2	1 7/8	1.70	2.21	1.5	1.5	1.0
2207-24-24	1 1/2 - 11 1/2	1 1/2 - 11 1/2	2 1/2	2.08	2.83	1.5	1.5	1.0
2207-32-32	2 - 11 1/2	2 - 11 1/2	2 13/16	2.39	3.00	1.1	1.1	0.7

TUBE FITTING PART #	END SIZE			C1 HEX (in.)	W3 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1 NPSM	2 NPSM	3 NPSM			-S	-SS	-B
077T-2	1/8 - 27	1/8 - 27	1/8 - 27	7/16	0.89	6.0	7.2	3.3
077T-4	1/4 - 18	1/4 - 18	1/4 - 18	9/16	1.06	6.0	7.2	3.3
077T-6	3/8 - 18	3/8 - 18	3/8 - 18	3/4	1.15	6.0	7.2	3.3
077T-8	1/2 - 14	1/2 - 14	1/2 - 14	3/4	1.29	5.0	6.0	3.3
077T-12	3/4 - 14	3/4 - 14	3/4 - 14	1 1/16	1.65	3.0	3.6	1.9

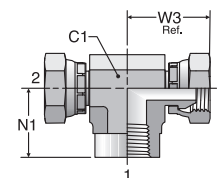
217T

Male Pipe Branch Tee
NPTF / NPSM Swivel /
NPSM Swivel



227T

Female Pipe Branch Tee
NPTF / NPSM Swivel /
NPSM Swivel



TUBE FITTING PART #	END SIZE			C1 HEX (in.)	N1 (in.)	W3 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1 NPTF	2 NPSM	3 NPSM				-S	-SS	-B
217T-2-2	1/8 - 27	1/8 - 27	1/8 - 27	9/16	0.97	0.92	6.0	6.0	3.3
217T-4-4	1/4 - 18	1/4 - 18	1/4 - 18	9/16	1.19	1.03	6.0	6.0	3.3
217T-6-6	3/8 - 18	3/8 - 18	3/8 - 18	3/4	1.50	1.15	6.0	6.0	3.3
217T-8-6	1/2 - 14	3/8 - 18	3/8 - 18	3/4	1.69	1.21	6.0	6.0	3.3
217T-8-8	1/2 - 14	1/2 - 14	1/2 - 14	3/4	1.81	1.35	5.0	5.0	3.3
217T-12-12	3/4 - 14	3/4 - 14	3/4 - 14	1 1/16	2.00	1.60	3.0	3.0	1.9
217T-16-16	1 - 11 1/2	1 - 11 1/2	1 - 11 1/2	1 1/16	2.37	1.86	2.5	2.5	1.6

TUBE FITTING PART #	END SIZE			C1 HEX (in.)	N1 (in.)	W3 (in.)	Dynamic Pressure (x 1,000 PSI)		
	1 NPTF	2 NPSM	3 NPSM				-S	-SS	-B
227T-4-4	1/4 - 18	1/4 - 18	1/4 - 18	3/4	0.94	1.13	5.0	5.0	3.2
227T-6-6	3/8 - 18	3/8 - 18	3/8 - 18	7/8	1.00	1.20	4.5	4.5	2.9
227T-8-8	1/2 - 14	1/2 - 14	1/2 - 14	1 1/16	1.17	1.46	3.0	3.0	1.9
227T-12-12	3/4 - 14	3/4 - 14	3/4 - 14	1 3/16	1.44	1.60	3.0	3.0	1.9

Dimensions and pressures for reference only, subject to change.



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