

Fitting Working Pressure Charts

Maximum Recommended Working Pressure (psi)

Choose fittings carefully, considering the working pressure of both hose and fitting. The **maximum** working pressure of the hose assembly is the lesser of the **rated** working pressure of the hose **and** the fitting.

Working pressures shown on the page are not applicable for the Field-Grip™ reattachable fittings (FG-*). Please contact Continental ContiTech Customer Service for the working pressure of the FG fittings.

Fitting Style	JIC 37° Flare Male Non-Swivel	JIC 37° Flare Female Swivel	NPTF Male Swivel	NPTF Male Non-Swivel	NPTF Female Swivel	NPSM Female Swivel	Code 61 Flange	Code 62 Flange	CAT® Flange	Straight Thread O-Ring Boss male	O-Ring Face Seal Female
Thread Dash Size											
-02											
-04	6000	6000	6000	6000	6000	6000				5000	6000
-05	6000	6000								5000	
-06	6000	6000	6000	6000	6000	6000				5000	6000
-08	5000	5000	5000	5000	5000	5000	5000	6000		4500	6000
-10	4000	4000					5000	6000		4000	6000
-12	4000	4000	2250	4000	2250	2250	5000	6000	6000	4000	6000
-14											
-16	4000	4000	2000	4000	2000	2000	5000	6000	6000	4000	6000
-20	3000	3000		3000	1625	1625	4000	6000	6000	3000	4000
-24	3000	3000		2500			3000	6000	6000		4000
-32	3000	3000		2500			3000	6000	6000		

Fitting Style	SAE 45° Flare Female Swivel	SAE J514 Flareless Tube Fitting	BSPP O-Ring Female Swivel	BSPT Male Non-Swivel	BSPP Male Non-Swivel	DIN 24 Light Female Swivel	DIN 24 Light Male	DIN 24 Heavy Female Swivel	DIN 24 Heavy Male	JIS 30° Flare Female Swivel	JIS 30° Flareless Female Swivel	Komatsu® 30° Metric Thread Female Swivel
Thread Dash Size												
-02												
-04	3000	5000	5800	5800	5800	3625	3625			5000	5000	5000
-05		5000				3625	3625	5800	5800			
-06	3000	4000	5800	5800	5800	3625	3625	5800	5800	5000	5000	5000
-08	3000	3500	5000	5000	5000	3625	3625	5800	5800	5000	5000	5000
-10	2750	2750	5000	5000	5000	3625	3625	5800	5800			
-12	2250	2250	4500	4500	4500	2320	2320	5800	5800	4000	4000	4000
-14												
-16	2000	2000	3500	3500	3500	2320	2320	5800	5800	3000	3000	3000
-20	1625	1625	2850	2850	2850	1450	1450	5800	5800	2500	2500	2500
-24	1250		2250	2250	2250	1450	1450	3625	3625	1500	1500	1500
-32	1125		1800	1800	1800	1450	1450	3625	3625	1500	1500	1500

Selection of the proper Continental ContiTech Brand fitting is essential to the proper operation and safe use of the hose assembly and related equipment. Inadequate attention to the selection of the proper fitting for the application can result in failure of the fitting which can cause serious bodily injury or property damage from spraying fluids or projectiles.

Thread Reference Chart

Thread Type	02	03	04	05	06	08	10	12	14	15	16	18	20
JIC 37° Flare (SAE J514)		3/8-24	7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	1 1/16-12	1 3/16-12		1 5/16-12		1 5/8-12
SAE 45° J512 Flare			7/16-20	1/2-20	5/8-18	3/4-16	7/8-14	1 1/16-14					
SAE 45° Inverted Flare		3/8-24	7/16-24	1/2-20	5/8-18	3/4-18	7/8-18						
NPTF	1/8-27		1/4-18		3/8-18	1/2-14		3/4-14			1-11 1/2		1 1/4-11 1/2
NPSM			1/4-18		3/8-18	1/2-14		3/4-14			1-11 1/2		1 1/4-11 1/2
NPMAPI											1-11 1/2		1 1/4-11 1/2
SAE J514 Flareless Tube Fittings			7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	1 1/16-12			1 5/16-12		
O-Ring Face Seal (SAE J1453 ORS/ORFS)			9/16-18		11/16-16	13/16-16	1-14	1 3/16-12			1 7/16-12		1 11/16-12
O-Ring Boss Straight Thread (SAE J514)			7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	1 1/16-12			1 5/16-12		1 5/8-12
BSPP (British Standard Pipe Parallel)			1/4-19		3/8-19	1/2-14	5/8-14	3/4-14			1-11		1 1/4-11
BSPT (British Standard Pipe Tapered)			1/4-19		3/8-19	1/2-14		3/4-14			1-11		
BSP Flat Seat (British Standard Pipe)					3/8-19	1/2-14		3/4-14					
JIS 30° (Parallel Pipe Threads)			1/4-19		3/8-19	1/2-14		3/4-14			1-11		1 1/4-11
Code 61 Flange (SAE J518) - Dia.						1.19		1.5			1.75		2
Code 62 Flange (SAE J518) - Dia.						1.25		1.63			1.87		2.13
Caterpillar® Flange - Dia.								1.63			1.87		2.13
Komatsu® Flange - Dia.							1.34						
Standpipe - OD						8mm	10mm	12mm		15mm	16mm	18mm	20mm
DIN 24° Light								12 x 1 1/2	14 x 1 1/2		16 x 1 1/2	18 x 1 1/2	
DIN 24° Heavy											16 x 1 1/2	18 x 1 1/2	20 x 1 1/2
DIN 60°									14 x 1 1/2		16 x 1 1/2	18 x 1 1/2	
Japanese Komatsu® 30° Flare with Metric Threads									14 x 1 1/2			18 x 1 1/2	

All measurements in inches unless otherwise stated.

Thread Reference Chart

Thread Type	22	24	26	28	30	32	33	36	40	42	45	52
JIC 37° Flare (SAE J514)		1⅞-12				2½-12						
SAE 45° J512 Flare												
SAE 45° Inverted Flare												
NPTF		1½-11½				2-11½						
NPSM												
NPMAPI		1½-11½				2-11½						
SAE J514 Flareless Tube Fittings												
O-Ring Face Seal (SAE J1453 ORS/ORFS)		2-12										
O-Ring Boss Straight Thread (SAE J514)		1⅞-12										
BSPP (British Standard Pipe Parallel)		1½-11				2-11						
BSPT (British Standard Pipe Tapered)												
BSP Flat Seat (British Standard Pipe)												
JIS 30° (Parallel Pipe Threads)												
Code 61 Flange (SAE J518) - Dia.		2.37				2.81			3.31			
Code 62 Flange (SAE J518) - Dia.		2.5				3.13						
Caterpillar® Flange - Dia.		2.5										
Komatsu® Flange - Dia.												
Standpipe - OD.	22mm			28mm								
DIN 24° Light	22 x 1½		26 x 1½		30 x 2			36 x 2			45 x 2	
DIN 24° Heavy	22 x 1½	24 x 1½			30 x 2			36 x 2		42 x 2		52 x 2
DIN 60°	22 x 1½		26 x 1½									
Japanese Komatsu® 30° Flare with Metric Thread	22 x 1½	24 x 1½			30 x 1½		33 x 1.5	36 x 1½		42 x 1½		

All measurements in inches unless otherwise stated.