

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.