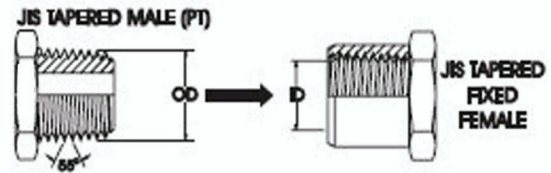


JIS THREADS

1. JIS Tapered Pipe Thread.

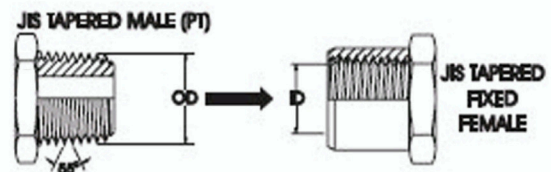
The Japanese tapered pipe thread connector is identical to and interchangeable with the BSPT (tapered) connector. The Japanese male thread does not have a 30° Flare, and will not mate with the BSPP female swivel with conical seat.

The seal on the Japanese tapered pipe thread connector is made on the threads. Use of a thread sealant is recommended.



2. JIS 30° Flare (Female Internal Cone Seat).

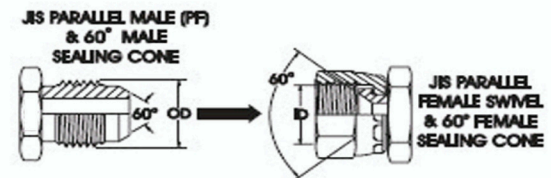
This connection uses a 60° concave (inverted) seat and British Standard Pipe Parallel threads. They are not interchangeable with BSPP conical seat couplings, because the cone seats are opposite.



(Refer to BSPT section for dimensions of threads.)

3. Komatsu 30° flare (Female Internal Cone Seat).

Threads commonly used on Komatsu equipment (30° cone) have metric thread form.



4. Komatsu Style Flange Fitting JIS B 8363

The Komatsu style Flange fitting is nearly identical to, and fully interchangeable with, the SAE Code 61 flange fitting*. The O Ring dimensions are different between all sizes. When replacing a Komatsu style flange with an SAE style flange, an SAE style O Ring must always be used.

*5/8" is not in the SAE Standards.

BSPT & BSPP

BSPT & BSPP SIZE & PITCH	DASH SIZE	BSPT MALE THREAD OD		BSPP MALE THREAD OD		BSPT FEMALE THREAD ID		BSPP FEMALE THREAD ID	
		MM	INCH	MM	INCH	MM	INCH	MM	INCH
1/8 - 28	-02	9,5	0.37	9,6	0.38	8,4	0.33	8,6	0.34
1/4 - 19	-04	12,8	0.50	13,0	0.51	11,2	0.44	11,9	0.47
3/8 - 19	-06	16,3	0.64	16,5	0.65	14,7	0.59	15,2	0.60
1/2 - 14	-08	20,4	0.80	20,8	0.82	18,3	0.72	19,1	0.75
5/8 - 14	-10	22,5	0.89	22,8	0.90	20,6	0.81	20,8	0.82
3/4 - 14	-12	25,9	1.02	26,3	1.04	23,9	0.94	24,6	0.97
1 - 11	-16	32,6	1.28	33,1	1.30	29,7	1.17	30,7	1.21
1 1/4 - 11	-20	41,1	1.62	41,8	1.64	38,6	1.52	39,4	1.55
1 1/2 - 11	-24	47,0	1.85	47,7	1.88	44,5	1.75	45,5	1.79
2 - 11	-32	58,6	2.31	59,5	2.34	56,4	2.22	57,4	2.26
2 1/2 - 11	-40	74,1	2.92	75,1	2.95	71,9	2.83	72,6	2.86
3 - 11	-48	86,6	3.41	87,9	3.46	84,6	3.33	85,4	3.36

MALE THREAD OD & PITCH	DASH SIZE	FEMALE THREAD ID
MM		MM
M14 x1,5	-1415	12,5
M18 x1,5	-1815	16,5
M22 x1,5	-2215	20,5
M24 x1,5	-2415	22,5
M30 x1,5	-3015	28,5
M33 x1,5	-3315	31,5
M36 x1,5	-3615	34,5