

Coupling Identification – Continued

Foreign Thread Types – Japanese – Continued

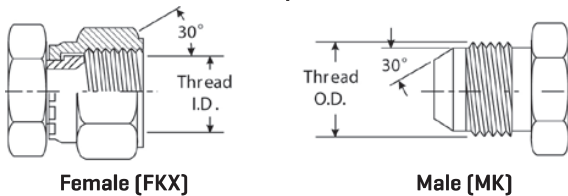
Komatsu Style 30° Flare Parallel Threads

The Komatsu style 30° flare parallel thread connector is identical to the Japanese 30° flare parallel thread connector except for the threads. The Komatsu style connector uses metric fine threads which conform to JIS B 0207. Gates identifies these as Komatsu-style by marking the hex nuts with two small notches.

The Komatsu style connector seals on the 30° flare.

Dash Size	Nominal Size		Thread Size	Female Thread I.D. [mm]	Male Thread [O.D.] [mm]
	[In.]	[mm]			
-4	1/4	6.5	M14x1.5	12.5	14
-6	3/8	9.5	M18x1.5	16.5	18
-8	1/2	13	M22x1.5	20.5	22
-10	5/8	16	M24x1.5	22.5	24
-12	3/4	19	M30x1.5	28.5	30
-16	1	25	M33x1.5	31.5	33
-20	1-1/4	32	M36x1.5	34.5	36
-24	1-1/2	38	M42x1.5	40.5	42

Komatsu Style 30° Flare



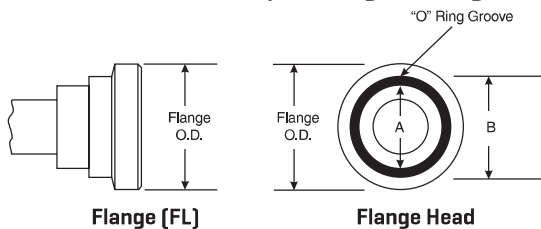
Komatsu Style Flange Fitting

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

Dash Size	Nominal Size		Flange O.D. [In.]	A [In.]	B [In.]
	[In.]	[mm]			
-8	1/2	12.7	1.188	.728	.984
-10*	5/8	15.9	1.345	.728	1.102
-12	3/4	19.1	1.500	.846	1.220
-16	1	25.4	1.750	1.122	1.496
-20	1-1/4	31.8	2.000	1.358	1.732
-24	1-1/2	38.1	2.375	1.750	2.125
-32	2	50.8	2.812	2.225	2.559

*[-10 is a non-SAE size flange]

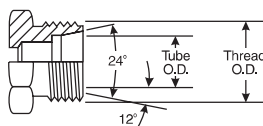
Komatsu Style Flange Fitting



Metric Kobelco Metric Bite Sleeve

These are similar to the German DIN 24° cone, but the DIN style uses coarser threads. Therefore, the Kobelco and German DIN are not interchangeable for female Kobelco [see French GAZ 24° swivel].

Dash Size	Metric Thread Size	Female Thread I.D. [mm]	Male Thread O.D. [mm]
-22	M30X1.5	28	30
-28	M36X1.5	34	36
-35	M45X1.5	43	45



Male 24° Cone [MKB]