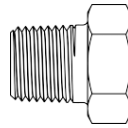


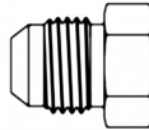
NPT Pipe Thread



NPTF

Dash Size	Nominal Size (in.)	No. Threads per Inch	Female Thread I.D.	Male Thread O.D.
-2	1/8	27	23/64	13/32
-4	1/4	18	15/32	35/64
-6	3/8	18	19/32	43/64
-8	1/2	14	3/4	27/32
-12	3/4	14	61/64	1-1/16
-16	1	11-1/2	1-13/64	1-5/16
-20	1-1/4	11-1/2	1-17/32	1-43/64
-24	1-1/2	11-1/2	1-25/32	1-49/32
-32	2	11-1/2	2-1/4	2-3/8

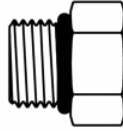
JIC 37° Flare



JIC 37°

Dash Size	Nominal Size (in.)	No. Threads per Inch	Female Thread I.D.	Male Thread O.D.
-4	1/4	20	25/64	7/16
-5	5/16	20	29/64	1/2
-6	3/8	18	1/2	9/16
-8	1/2	16	11/16	3/4
-10	5/8	14	13/16	7/8
-12	3/4	12	31/32	1-1/16
-14	7/8	12	1-7/64	1-3/16
-16	1	12	1-15/64	1-5/16
-20	1-1/4	12	1-35/64	1-5/8
-24	1-1/2	12	1-51/64	1-7/8
-32	2	12	2-27/64	2-1/2

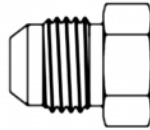
SAE Straight Thread O-Ring Boss



O-Ring Boss

Dash Size	Nominal Size (in.)	No Thread per Inch	Female Thread I.D.	Male Thread O.D.	O-Ring
-2	1/8	24	17/64	5/16	-902
-3	3/16	24	21/64	3/8	-903
-4	¼	20	25/64	7/16	-904
-5	5/16	20	29/64	1/2	-905
-6	3/8	18	½	9/16	-906
-8	½	16	11/16	¾	-908
-10	5/8	14	13/16	7/8	-910
-12	¾	12	31/32	1-1/16	-912
-14	7/8	14	1-7/64	1-3/16	-914
-16	1	12	1-15/64	1-5/16	-916
-20	1-1/4	12	1-35/64	-5/88	-920
-24	1-1/2	12	1-51/64	1-7/8	-924
-32	2	12	2-27/64	2-1/2	-932

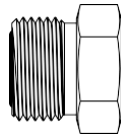
SAE 45° Flare



SAE 45°

Dash Size	Nominal Size (in.)	No. Threads per Inch	Female Thread I.D.	Male Thread O.D.
-4	¼	20	25/64	7/16
-5	5/16	20	29/64	½
-6	3/8	18	9/16	5/8
-8	1/2	16	11/16	¾

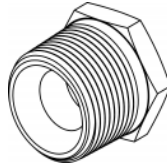
Flat Face O-Ring Seal



O-Ring Flat Face

Dash Size	Nominal Size (in.)	No Thread per Inch	Female Thread I.D.	Male Thread O.D.	O-Ring
-4	¼	18	½	9/16	-011
-6	3/8	16	5/8	11/16	-012
-8	½	16	¾	13/16	-014
-10	5/8	14	15/16	1	-016
-12	¾	12	1-1/8	1-3/16	-018
-16	1	12	1-11/32	1-7/16	-021
-20	1-1/4	12	1-19/32	1-11/16	-025
-24	1-1/2	12	1-29/32	2	-029

SAE Inverted Flare



Inverted Flare

Dash Size	Nominal Size (in.)	No Thread per Inch	Female Thread I.D.	Male Thread O.D.
-2	1/8	28	9/32	5/16
-3	3/16	24	21/64	3/8
-4	¼	24	25/64	7/16
-5	5/16	20	29/64	½
-6	3/8	18	37/64	5/8
-7	7/16	18	5/8	11/16
-8	½	18	45/64	¾
-10	5/8	18	13/16	7/8
-12	¾	16	1	1-1/16

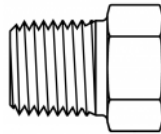
British Standard Pipe Parallel



British Parallel

Dash Size	Nominal Size (in.)	No. Threads per Inch	Male Thread O.D.	Female Thread I.D.
-2	1/8	28	3/8	11/32
-4	1/4	19	17/32	7/16
-6	3/8	19	21/32	19/32
-8	1/2	14	13/16	3/4
-12	3/4	14	1-1/32	15/16
-16	1	11	1-5/16	1-3/16
-20	1-1/4	11	1-21/32	1-17/32
-24	1-1/2	11	1-7/8	1-25/32
-32	2	11	1-11/32	2-7/32

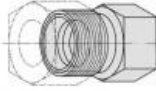
British Standard Pipe Taper



British Taper

Dash Size	Nominal Size (in.)	No. Threads per Inch	Male Thread O.D.
-4	1/4	19	.47"
-6	3/8	19	.60"
-8	1/2	14	.76"
-12	3/4	14	.93"
-16	1	11	1.23"

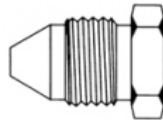
DIN 24° cone



DIN

Tube O.D. Light Series (mm)	Tube O.D. Heavy Series (mm)	Metric Thread Size	Female Thread I.D. (mm)	Male Thread O.D. (mm)
6	-	M12x1.5	10.5	12.0
8	-	M14x1.5	12.5	14.0
10	8	M16x1.5	14.5	16.0
12	10	M18x1.5	16.5	18.0
14	12	M20x1.5	18.5	20.0
15	14	M22x1.5	20.5	22.0
-	16	M24x1.5	22.5	24.0
18	-	M26x1.5	24.5	26.0
22	20	M30x2.0	28.0	30.0
28	25	M36x2.0	34.0	36.0
-	30	M42x2.0	40.0	42.0
35	-	M45x2.0	43.0	45.0
42	38	M52x2.0	50.0	52.0

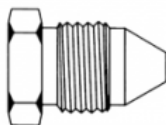
JIS 30° Flare Seat with BSPP Threads



JIS 30°
BSPP Thread

Dash Size	Nominal Size (in.)	No. Threads per Inch	Male Thread O.D.	Female Thread I.D.
-2	1/8	28	3/8	11/32
-4	1/4	19	17/32	7/16
-6	3/8	19	21/32	19/32
-8	1/2	14	13/16	3/4
-12	3/4	14	1-1/32	15/16
-16	1	11	1-5/16	1-3/16
-20	1-1/4	11	1-21/32	1-17/32
-24	1-1/2	11	1-7/8	1-25/32
-32	2	11	1-11/32	2-7/32

Komatsu Style 30° Flare with parallel threads

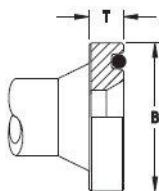


Komatsu 30°
parallel thread

Dash Size	Nominal Size		Metric Thread Size	Male Thread O.D. (mm)	Female Thread I.D. (mm)
	(in.)	(mm)			
-6	3/8	9.5	M18x1.5	18	16.4
-8	1/2	13	M22x1.5	22	20.4
-10	5/8	16	M24x1.5	24	22.4
-12	3/4	19	M30x1.5	30	28.4
-16	1	25	M33x1.5	33	31.4
-20	1-1/4	32	M36x1.5	36	34.4
-24	1-1/2	38	M42x1.5	42	40.4

Split Flange

Code 61, Code 62 & Caterpillar



Dash Size	Code 61		Code 62		Caterpillar	
	Flange O.D.	Thickness	Flange O.D.	Thickness	Flange O.D.	Thickness
-8	1.19	.265	1.25	.305		
-10K	1.34	.265				
-12	1.50	.265	1.625	.345	1.625	.560
-16	1.75	.315	1.875	.375	1.875	.560
-20	2.00	.315	2.125	.405	2.125	.560
-24	2.375	.315	2.50	.495	2.50	.560
-32	2.812	.375	3.125	.495	3.125	.560