ADAPTOR THREAD DATA

British Standard Pipe (BSP)

Dash Size	Thread Size	Male Thread OD (in.)	Threads/inch	Female Thread ID (in.)
02	1/8	0.40	28	0.37
04	1/4	0.54	19	0.49
06	3/8	0.68	19	0.63
08	1/2	0.85	14	0.78
10	5/8	0.90	14	0.83
12	3/4	1.06	14	0.99
16	1	1.34	11	1.25
20	1 1/4	1.68	11	1.59
24	1 1/2	1.91	11	1.82
32	2	2.38	11	2.29

Joint Industry Council (JIC) 37° flare and Unified National O-Ring (UNO)

Dash Size	Thread Size	Male Thread OD (in.)	Threads/inch	Female Thread ID (in.)
05	5/16	0.31	24	0.26
06	3/8	0.38	24	0.33
07	7/16	0.44	20	0.39
08	1/2	0.50	20	0.45
09	9/16	0.56	18	0.50
12	3/4	0.75	16	0.69
14	7/8	0.88	14	0.81
17	1 1/16	1.06	12	0.97
19	1 3/16	1.19	12	1.11
21	1 5/16	1.31	12	1.23
26	1 5/8	1.62	12	1.55
30	1 7/8	1.88	12	1.80
40	2 1/2	2.50	12	2.42

National Pipe Thread (NPT)

Dash Size	Thread Size	Male Thread OD (in.)	Threads/inch	Female Thread ID (in.)
02	1/8	0.41	27	0.36
04	1/4	0.55	18	0.47
06	3/8	0.67	18	0.59
08	1/2	0.84	14	0.75
12	3/4	1.06	14	0.95
16	1	1.31	11.5	1.20
20	1 1/4	1.67	11.5	1.53
24	1 1/2	1.91	11.5	1.78
32	2	2.38	11.5	2.25

O-Ring Face Seal (ORFS)

Dash Size	Thread Size	Male Thread OD (in.)	Threads/inch	Female Thread ID (in.)
04	9/16	0.56	18	0.51
06	11/16	0.69	16	0.63
08	13/16	0.82	16	0.75
10	1	1.00	14	0.93
12	1 3/16	1.19	12	1.11
16	1 7/16	1.44	12	1.36
20	1 11/16	1.69	12	1.61
24	2	2.00	12	1.92

Society of Automotive Engineers (SAE) 45° flare

Dash Size	Thread Size	Male Thread OD (in.)	Threads/inch	Female Thread ID (in.)
05	5/16	0.31	24	0.26
06	3/8	0.38	24	0.33
07	7/16	0.44	20	0.39
08	1/2	0.50	20	0.45
10	5/8	0.62	18	0.56
11	11/16	0.69	16	0.62
12	3/4	0.75	16	0.69
14	7/8	0.88	14	0.81
17	1 1/16	1.06	14	0.98
20	1 1/4	1.25	12	1.17
22	1 3/8	1.38	12	1.30

Metric [DIN 517 = 1.0 mm pitch, DIN 516 = 1.5 mm pitch, DIN 247 = 2.0 mm pitch]

Male Thread OD		Thread Pitch		Female Thread ID	
(mm)	(in.)	(mm)	(in.)	(mm)	(in.)
M12	0.472	1.0	0.039	10.700	0.421
M12	0.472	1.5	0.059	10.052	0.396
M14	0.551	1.5	0.059	12.052	0.474
M16	0.630	1.5	0.059	14.052	0.553
M18	0.709	1.5	0.059	16.052	0.631
M20	0.787	1.5	0.059	18.052	0.710
M22	0.866	1.5	0.059	20.052	0.789
M24	0.945	1.5	0.059	22.052	0.868
M26	1.024	1.5	0.059	24.052	0.947
M27	1.063	1.5	0.059	25.052	0.986
M30	1.181	1.5	0.059	28.052	1.104
M30	1.181	2.0	0.079	27.402	1.078
M33	1.299	1.5	0.059	31.052	1.223
M36	1.417	1.5	0.059	34.052	1.340
M36	1.417	2.0	0.079	33.402	1.315
M38	1.496	1.5	0.059	36.052	1.419
M39	1.535	1.5	0.059	37.052	1.458
M42	1.654	1.5	0.059	40.052	1.577
M42	1.654	2.0	0.079	39.402	1.551
M45	1.772	1.5	0.059	43.052	1.695
M45	1.772	2.0	0.079	42.402	1.669
M48	1.890	1.5	0.059	46.052	1.813