



Technical Information

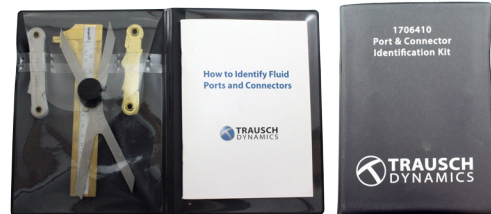
Adapter Sizing Chart

NPTF, BSPT and BSPP measure 1/4" larger than their actual size. For example, a 1/4" NPTF, BSPT or BSPP will actually measure 1/2" on the O. D. of the threads. JIC, SAE O-ring & Flat Face threads measure as listed below. The first number listed is the size of thread, the second number is the threads per inch.

Size	NPTF (Pipe)	JIC (37°)	SAE (O-Ring)	Face Seal (Flat Face)	BSPP (Parallel)	BSPT (Tapered)
-2	1/8 - 27	5/16 - 24	5/16 - 24	-	1/8 - 28	1/8 - 28
-3	-	3/8 - 24	3/8 - 24	-	-	-
-4	1/4 - 18	7/16 - 20	7/16 - 20	9/16 - 18	1/4 - 19	1/4 - 19
-5	-	1/2 - 20	1/2 - 20	-	-	-
-6	3/8 - 18	9/16 - 18	9/16 - 18	11/16 - 16	3/8 - 19	3/8 - 19
-8	1/2 - 14	3/4 - 16	3/4 - 16	13/16 - 16	1/2 - 14	1/2 - 14
-10	-	7/8 - 14	7/8 - 14	1 - 14	-	-
-12	3/4 - 14	1-1/16 - 12	1-1/16 - 12	13/16 - 12	3/4 - 14	3/4 - 14
-14	-	1-3/16 - 12	1-3/16 - 12	15/16 - 12	-	-
-16	1 - 11-1/2	1-5/16 - 12	1-5/16 - 12	17/16 - 12	1 - 11	1 - 11
-20	1-1/4 - 11-1/2	1-5/8 - 12	1-5/8 - 12	1 11/16 - 12	1-1/4 - 11	1-1/4 - 11
-24	1-1/2 - 11-1/2	1-7/8 - 12	1-7/8 - 12	2 - 12	1-1/2 - 11	1-1/2 - 11
-32	2 - 11-1/2	2-1/2 - 12	2-1/2 - 12	2 1/2 - 12	2 - 11	2 - 11

Thread Sizing Kit

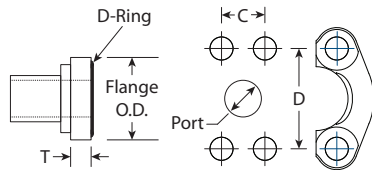
Allows the user to properly identify threads of all hydraulic types. This handy kit includes a fractional thread pitch gauge, a metric thread pitch gauge, inside & outside caliper (inches and millimeters), a seat angle gauge (24 degree/30 degree/37 degree/45 degree), 27-page fluid ports & connections identification guid. A carrying case is standard for easy and convenient storage.



Stock Number	Ship Wt.
1706410	1

CAT 4-Bolt Flange (Caterpillar®)

This connection is commonly used on Caterpillar® equipment. It is identical to the Code 62 flange, with two exceptions. The flange thickness is 0.560" for all flange sizes and the use of a d-ring is required rather than an o-ring. The female (port) is an unthreaded hole with four bolt holes in a rectangular pattern around the port. The male consists of a flanged head, grooved for an d-ring, and either a captive flange or split flange halves with bolt holes to match the port. The seal takes place on the d-ring. The d-ring is compressed between the flange head and the flat surface surrounding the port. The threaded bolts hold the connection together.



Port/ Inch Size	Dash Size	Flange				Bolt	
		C	D	O.D.	T	Thread	D-Ring
1/2	08	0.718	1.594	1.250	0.560	5/16 - 18	3246080
3/4	12	0.937	2.000	1.620	0.560	3/8 - 16	3246081
1	16	1.093	2.250	1.880	0.560	7/16 - 14	3246082
1 1/4	20	1.250	2.625	2.120	0.560	1/2 - 13	3246083
1 1/2	24	1.437	3.125	2.500	0.560	5/8 - 11	3246084
2	32	1.750	3.812	3.120	0.560	3/4 - 10	3246087

