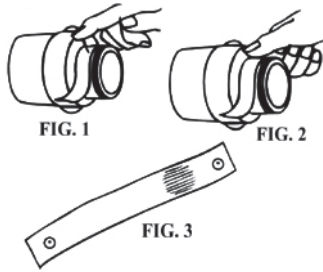


Pumper Thread Charts

If a thread gauge and calliper are not available, and a sample cannot be sent, the following method can be used to obtain the correct outside diameter and pitch of the thread needed.



1. Cut a strip of paper about 1" (25mm) wide, long enough to wrap tightly around the circumference of the male thread and overlap at the ends.
2. With a pin, pierce through both layers of the paper (fig. 1).
3. Press your thumb firmly against the thread hard enough to make a thread impression on the strip (fig. 2).
4. Remove the strip and circle the pin holes on the strip with a pencil (fig. 3).
5. Divide the distance between the pin holes by 3.1416. The result is the ODM (outside diameter of the male).

It is important that both the ODM and threads per inch (pitch) of the male part are given when ordering. Always include the paper strip with your correspondence. If not specified, "V" sharp thread will be furnished.

COMMONLY USED THREADS

THREAD		0.75"	1"	1.5"	2"	2.5"	3"	3.5"	4"	4.5"	5"	6"
National Standard (NH)	ODM	1.375	1.375	1.99	2.515	3.068	3.623	4.243	5.01	5.76	6.26	7.025
	TPI	8	8	9	8	7.5	6	6	4	4	4	4
Straight Iron Pipe (NPSH)	ODM	1.035	1.295	1.878	2.352	2.841	3.47	3.97	4.47	4.97		
	TPI	14	11.5	11.5	11.5	8	8	8	8	8		
Garden Hose (GHT)	ODM	1.062										
	TPI	11.5										
British Standard Pipe (BSP)	ODM	1.041	1.309	1.882	2.347	2.96	3.46	3.95	4.45		5.45	6.45
	TPI	14	11	11	11	11	11	11	11		11	11
New York Corp (NYC)	ODM			2.093	2.547	3						
	TPI			11	11	8						
New York City FD (FDNY)	ODM		1.66	2.1	2.53	3.03	3.63	4.07	4.61	5.8	6.26	7.025
	TPI		8	8	8	8	8	8	8	4	4	4
Pacific Coast (PCT)	ODM	1.062	1.312	2.1	2.55	3.35			4.828			
	TPI	11	11.5	11	10	7.5			6			
Chicago Hose	ODM	1.081	1.295	1.946	2.522	3.043						
	TPI	11.5	11.5	11.5	8	7						
Chicago Fire Dept (CFD)	ODM			1.933		2.99		4.052	5.011	5.761	6.26	7.025
	TPI			11.5		7.5		8	4	4	4	4

NOTE: NPT thread not available on female swivels.

CANADIAN STANDARD 2.5" HOSE THREAD

		ODM	TPI
AMA	Alberta Mutual Aid	2.99	8
BAT	Alberta & British Columbia	2.995	8
BCT	British Columbia	3	8
NPSH	Straight Iron Pipe Thread - N.W.T.	2.841	8
CSA	Canadian Standards Assoc. - Ontario	3.125	5
QST	Province of Quebec Std.	3.031	7
QMT	Quebec/Montreal Combination	3.031	6
WCT	Western Canada Fire Underwriters - Saskatchewan & Manitoba	3.25	6
NSZ1	Nova Scotia - Zone 1	3.234	5V*
NFLD	Newfoundland (aka St. John's thread)	3.25	5V*
NH (NST)	American Standard Fire Hose - Yukon & USA	3.068	7.5

ODM = Outside diameter of male. TPI = Thread per inch.

*Most fire hose threads are blunt at the top, but the 5V thread is cut to a sharp "V" point. To do this, the depth of the thread is 1/64" deeper than the conventional 5 threads-to-the-inch of the Canadian Standard Fire Hose Thread.

SUCTION HOSE THREADS

		4"	4.5"	5"	6"
American Lafrance	ODM	5.085	5.76	6.15	7.00
	TPI	4	4	4	4
	SHAKE	0.05	0.05	0.05	0.05
Mack Truck	ODM	5.76	5.76	6.205	6.955
	TPI	4	4	4	4
	SHAKE	0.06	0.05	0.05	0.05
Seagrave FWD	ODM	4.955		6.055	7.055
	TPI	4		4	4
	SHAKE	0.06		0.05	0.05
Hale Fire Pump	ODM	5.01	5.76	6.26	7.025
	TPI	4	4	4	4
	SHAKE	0.05	0.05	0.05	0.05
Waterous	ODM	5.01	5.76	6.26	7.261
	TPI	4	4	4	4
	SHAKE	0.06	0.06	0.06	0.06
Ward Lafrance	ODM	5.01	5.76	6.26	7.025
	TPI	4	4	4	4
	SHAKE	0.05	0.05	0.05	0.05
Maxim	ODM	5.00	5.75	6.25	7.00
	TPI	4	4	4	4
	SHAKE	0.05	0.05	0.05	0.05

CANADIAN SUCTION HOSE THREADS

		4"	4.5"	5"	6"
Lafrance	ODM	5.085	5.75	6.15	7.00
	TPI	4	4	4	4
	SHAKE	0.050	0.050	0.050	0.050
Mack	ODM	4.999	5.76	6.23	6.98
	TPI	4	4	4	4
	SHAKE	0.05	0.06	0.05	0.05
King Seagrave	ODM	4.938	5.75	6.073	7.073
	TPI	4	4	4	4
	SHAKE	0.05	0.05	0.05	0.05
American Marsh	ODM	4.995	5.75	6.062	6.98
	TPI	4	4	4	4
	SHAKE	0.05	0.05	0.05	0.05
Thibault	ODM	4.66	5.72	6.24	6.94
	TPI	5	4	4	4
	SHAKE	0.045	0.06	0.035	0.074