

# Thread Charts

The following charts list many commonly used threads. Red Head Brass manufactures products with any thread required. In fact, our special thread codes number in excess of 2,200 different thread configurations. Call Red Head Customer Service for assistance.

## Commonly Used Threads

Note: NPT threads are not available on female swivels.

SIZE	NATIONAL STANDARD NH (NST)		STRAIGHT IRON PIPE NPSH (IPT)		GARDEN HOSE GHT		BRITISH STD PIPE BSP		NEW YORK CORP NYC		NEW YORK CITY FD FDNV		PACIFIC COAST PCT		CHICAGO HOSE		CHICAGO FIRE DEPT CFD		NAVY HOSE	
	ODM	TPI	ODM	TPI	ODM	TPI			ODM	TPI	ODM	TPI	ODM	TPI	ODM	TPI	ODM	TPI	ODM	TPI
3/4"	1.375	8	1.035	14	1.062	11.5	1.041	14					1.062	11	1.081	11.5				
1"	1.375	8	1.295	11.5			1.309	11			1.660	8	1.312	11.5	1.295	11.5				
1 1/2"	1.990	9	1.878	11.5			1.882	11	2.093	11	2.100	8	2.100	11	1.946	11.5	1.933	11.5		
2"	2.515	8	2.352	11.5			2.347	11	2.547	11	2.530	8	2.550	10	2.522	8				
2 1/2"	3.068	7.5	2.841	8			2.960	11	3.000	8	3.030	8	3.035	7.5	3.043	7	2.990	7.5		
3"	3.623	6	3.470	8			3.460	11			3.630	8								
3 1/2"	4.243	6	3.970	8			3.950	11			4.070	8					4.052	8		
4"	5.010	4	4.470	8			4.450	11			4.610	8	4.828	6			5.011	4	4.908	6
4 1/2"	5.760	4	4.970	8							5.800	4					5.761	4		
5"	6.260	4					5.450	11			6.260	4					6.260	4		
6"	7.025	4					6.450	11			7.025	4					7.025	4		

Abbreviation for Tapered Iron Pipe Thread is NPT (National Pipe Tapered) or TIPT. NPT threads are not available on female swivels.

Standard threads for Red Head are National Standard (NH or NST), Straight Iron Pipe (NPSH, IPT or SIPT), Garden Hose (GHT) and Tapered Iron Pipe (NPT, TPT or TIPT).

### OTHER U.S. STANDARD 2 1/2" HOSE THREADS

CITY	IDM	TPI
Buffalo, NY	3.0625	8
Cincinnati, OH (New)	3.0580	6
Cleveland, OH	3.0781	8
Denver, CO	3.0920	8
Detroit, MI	3.1250	7.5
Omaha, NE	3.0781	8
Phoenix, AZ (Old)	3.0620	6
Pittsburgh, PA	3.0625	6
Salt Lake City, UT	3.2500	6
Toledo, OH	3.0000	8

### OTHER CANADIAN STANDARD 2 1/2" HOSE THREADS

		ODM	TPI
AMA	Alberta Mutual Aid	2.990	8
BCT	British Columbia	3.000	8
CSA	Canadian Standards Assoc.	3.125	5
QST	Province of Quebec Std.	3.031	7
WCT	Western Canada Fire Under	3.250	6
NOVA	Nova Scotia- Zone 1	3.234	5
QMT	Quebec/Montreal Combination	3.031	7

How to determine your thread dimensions if Leaf Thread Gage and O.D. Tape are not available.

1. Take a strip of paper about 1" wide and long enough to completely circle the male thread.
2. Wrap this paper around the male thread snugly, making sure it is against the shoulder all the way around. At some point where the strip overlaps, pierce through both of the overlapped papers with a pin. (Fig. 1)
3. Then with the thumb, press the paper firmly against the threads around the entire circumference to leave an impression of the threads. (Use the end of a pencil if necessary to bring out the edge of the thread onto the paper.) (Fig. 2)
4. Remove the paper strip and circle each pin prick with a pencil.
5. The distance between these two points divided by 3.1416 equals the ODM (Outside diameter of the male).
6. The impressions on the paper give the number of threads per inch (TPI). Both the ODM and TPI are needed. (Fig. 3)
7. You may also use this same method to determine the outside diameter (OD) of a hose.

Note: Do not measure a badly worn thread. If only a worn thread is available, send the male fitting to Red Head for an accurate determination of the thread dimensions.

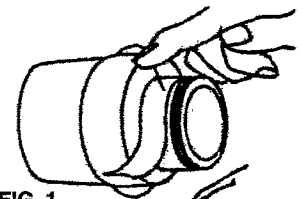


FIG. 1

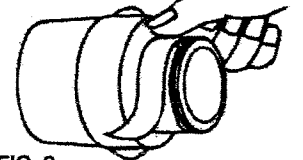


FIG. 2

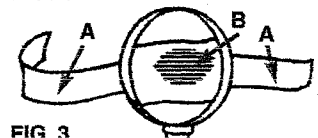


FIG. 3