

Tech Bulletin

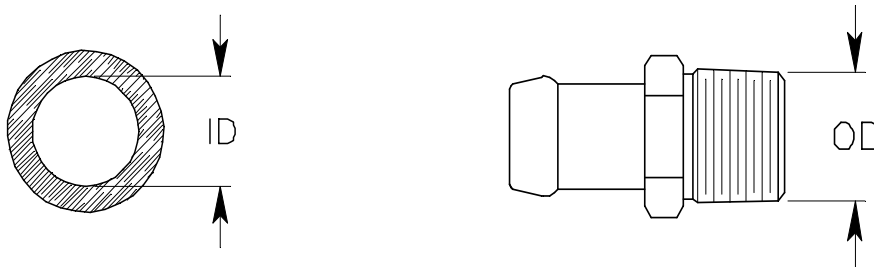
Measuring Pipe Threads

Have you ever tried to order a fitting that has pipe thread and had difficulty determining the thread size you need? If so, you're not alone. The reason may be that pipe thread size does not refer to the inside or the outside diameters of the pipe fitting. It refers to an industry designation, not the actual size.

Listed below are some quick reference charts that we hope will help you to determine which size pipe fitting you need.

Finding the thread size you need

To determine the size of pipe fitting thread you need, first use a tape measure or scale to measure the inside diameter (ID) of the threaded hole were you would like to install the fitting or the outside diameter (OD) of your existing fitting as shown below.



After determining your measurement choose the closest ID or OD dimension listed in the chart below and select your pipe thread size. (Dimensions shown are approximate values and you may need to round up to the closest value).

Threaded Fitting OD or Hole ID Measurement	3/8"	1/2"	5/8"	3/4"	1"
Pipe Fitting Thread Size	1/8" Pipe	1/4" Pipe	3/8" Pipe	1/2" Pipe	3/4" Pipe

Common Pipe Thread sizes for fittings and plugs

Pipe Size	Threads per Inch (*NPT)
1/8"	27
1/4"	18
3/8"	18
1/2"	14
3/4"	14
1"	11 1/2

*NPT: National Pipe Taper threads