

## NPT Pipe Size Identification

This condensed chart may be helpful in identifying NPT pipe thread sizes. NPT pipe threads are the most common pipe thread used in the USA. This chart may not apply, if the pipe thread is known to be from Europe, Asia or some other part of the world.

To determine the NPT size, with a caliper, measure the diameter of the 2nd or 3rd thread on your pipe, fitting or valve as shown below. Find the caliper measurement in the chart and cross reference the nominal NPT pipe size. Don't get confused, the actual measurement is not the same as the NPT pipe size.



Example shown is a 3/4 NPT male pipe thread and the measurement in inches

| NPT Pipe Thread Identification |                         |                                                 |
|--------------------------------|-------------------------|-------------------------------------------------|
| <i>Nominal Pipe Size (NPT)</i> | <i>Threads Per Inch</i> | <i>Approximate Caliper Measurement (inches)</i> |
| 1/8                            | 27                      | 0.38                                            |
| 1/4                            | 18                      | 0.49                                            |
| 3/8                            | 18                      | 0.63                                            |
| 1/2                            | 14                      | 0.80                                            |
| 3/4                            | 14                      | 1.00                                            |
| 1                              | 11.5                    | 1.24                                            |
| 1-1/4                          | 11.5                    | 1.58                                            |
| 1-1/2                          | 11.5                    | 1.82                                            |
| 2                              | 11.5                    | 2.30                                            |
| 2-1/2                          | 8                       | 2.76                                            |
| 3                              | 8                       | 3.39                                            |
| 4                              | 8                       | 4.39                                            |