

Material Specifications



Material	Working Temperature	Wear Resistance	Oil Resistance	Durometer
Vinyl	+32 – +125°F	Excellent	Fair	A20 – A75 Range
Urethane	+32 – +150°F	Good	Good	A20 – A70 Range
Silicone	-50 – +400°F	Good	Good	A30 – A60 Range
Oil Resistant Vinyl	+32 – +125°F	Good	Excellent	A40 – A60 Range

Standard Durometer is A50 + or - 5 points.

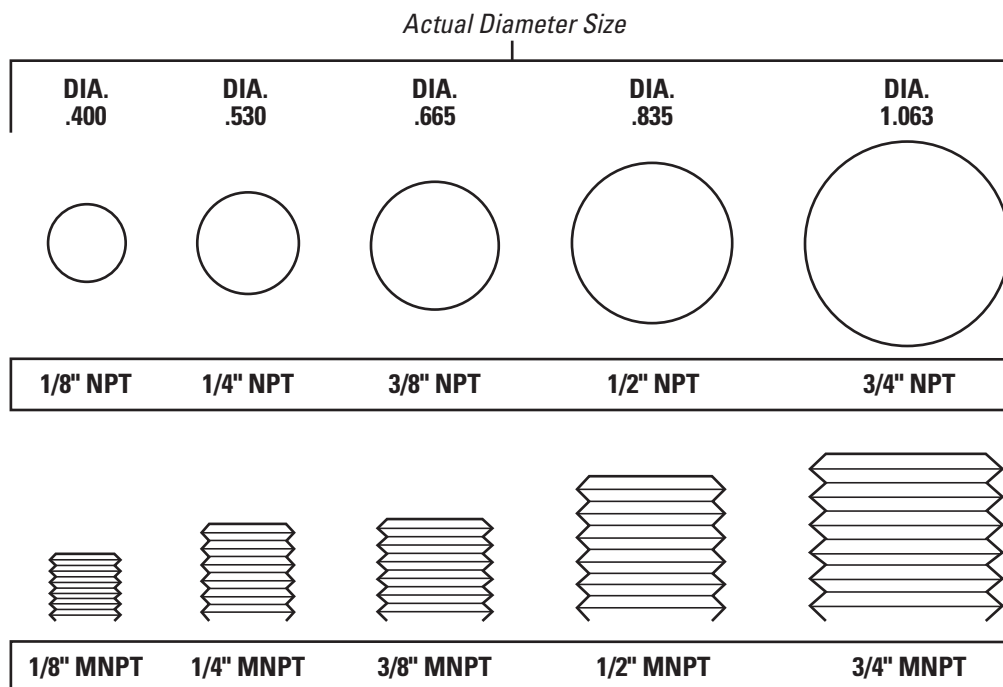
Unless otherwise specified, parts ordered will be manufactured from our standard A50 blue vinyl material.

Other materials available: FDA Vinyl
Anti-Static Vinyl
FDA Silicone

Definitions

- Durometer:** Method by which the hardness of the material is gauged
- Cleats:** Bottom protrusions used for maintaining a larger vacuum area
- Bellows:** The fold or collapsible area that allows the cup to compress like an accordion
- Insert/Fitting:** Metallic piece bonded to the material to allow fastening by threads or bolts
- Convolution:** The folded area of a bellows cup that makes up 1 internal "V"
- Suction Cup:** Cup that does not require an external vacuum source to adhere to a surface
- Vacuum Cup:** Cup that does require the use of an external vacuum source to adhere to a surface

SIZE COMPARISONS ACTUAL OUTSIDE DIAMETERS OF PIPE THREADS



Most ordering problems occur by measuring the actual size of a fitting. This is the incorrect way of measuring. This sizing guide will help in determining the correct size that you need to order.

The most widely used pipe threads are National Pipe Threads (NPT). This thread has a taper that provides a leak resistant fit. NPT and FPT = Female Threads
MPT and MNPT = Male Threads