

Prestomatic SAE Encapsulated Cartridges

Advantages

Parker Prestomatic[†] SAE Encapsulated Cartridges are a compact, economical design that allows the user to eliminate the space and labor required to install and assemble a conventional pipe thread fitting connection. Weight reduction and the elimination of pipe thread leakage related to improper assembly techniques are achieved. The SAE Cartridge design allows for faster and easier installation of components and assemblies. The SAE Cartridge is retained in the cavity by 3 barbs versus the normal 2 barbs for better performance over a wider diameter tolerance range. The external o-ring seals radially and does not require special chamfers at the top of the cavity to effect a seal. The SAE Cartridge includes a built in tube support. Once the SAE Cartridge is installed in a single step cavity, no special tools are needed for tube assembly. Just bottom the tubing into the cartridge body for a positive seal.

Materials

Parker's Prestomatic SAE Encapsulated Cartridges have been developed for both soft metal and plastic cavity applications. Consult factory for specific cavity or housing materials that would be suitable for a particular application.

Specifications

Cavity dimensions are per the proposed SAE Standard J2494-4. The Prestomatic SAE Encapsulated Cartridge is thoroughly tested to meet or exceed the performance requirements of DOT FMVSS 571.106 and SAE J1131 and the proposed dimensional standards of SAE J2494-4 in 6061-T6 aluminum. Cavity dimensions specified by SAE J2494-4 need to be adjusted slightly for optimum performance in material other than 6061-T6.

Technical Data

- Working pressure from vacuum to 250 psi
- Working temperature from -40°F to +200°F (Note: See tubing manufacturer's recommendations for pressure and temperatures limitations.)

Features

- Easy assembly
- Patented third generation Prestomatic^{*} brass componentry which includes a shoulder for increased side load capabilities, contamination resistance features and tight internal tolerances for a close fit and smooth operation.
- Available in tube sizes 5/32** 1/4", 3/8", 1/2", 5/8" and 3/4"
- Available in elbows and straight configurations
- Built in Brass tube support assures maximum flow and performance characteristics

**DOT only

† U.S. Patent No. 5,683,120

Tube Assembly Instructions

1. Cut Parker Parflex thermoplastic squarely using Parker tube cutter PTC-001. Metal tubing should be cut square and free of burrs.
2. Insert end of tubing into cartridge until it bottoms. Pull on tubing to verify it is properly retained
3. To disassemble, simply hold release button against the body and remove tubing
4. To reassemble, lubricate leading end of tubing with light oil or petroleum jelly

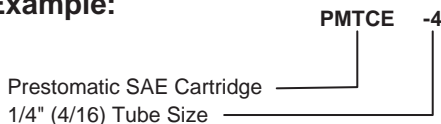
Order

By part number and name

Nomenclature

Part numbers are constructed from symbols that identify the style and size of the cartridge

Example:



Special Cartridges

Encapsulated cartridge configurations and /or sizes other than those shown in the catalog can be furnished. Non-standard o-ring materials are available. It is suggested that a print or sketch be submitted with the inquiry. Price and delivery for non-stock items furnished on request for specified quantities.