

# REUSEABLE STYLES 403/405



- Smooth-Bor® Styles 403/405 are manufactured from a polyester elastomer selected for its strength, light weight, and temperature range. Silicone rubber cuffs are used for high temperature resistance and ease of connection.
- Inside diameters are designed to fit 10, 15, 19, 22, and 26mm fittings.
- Smooth-Bor® Styles 403/405 feature latex-free silicone rubber fittings for male connections or hard polyester elastomer fittings (H) for female connections.
- The smooth interior promotes laminar flow.
- Smooth-Bor® Styles 403/405 are clear with cream colored helix and fittings. The tubing is also available in gray tint with gray fittings.
- Smooth-Bor® Styles 403/405 are much lighter than silicone rubber tubing yet are extremely strong.

- Smooth-Bor® tubing has very low compliance.
- The tubing is available in cut lengths from 4"/100mm to 120"/3000mm depending on diameter.
- Smooth-Bor® tubing is designed so that even a very sharp bend will not close off flow.
- The smooth interior allows for easy cleaning.
- Smooth-Bor® Styles 403/405 can be autoclaved in steam at 270° F (132° C) or pasteurized at 170° F (75° C). The tubing can also be sterilized by radiation or ethylene oxide (E.O.).
- Different combinations of cuffs can be assembled to fit different size fittings at each end.
- Smooth-Bor® Styles 403/405 are made from a polyester elastomer which meets specifications 21 CFR177.1590 and 21 CFR177.2600 and therefore are considered to be FDA compliant.

**Smooth-Bor® Style 403** is designed to fit a 22mm male fitting on both ends. Overall length includes the fittings. Indicate Style 403 - (length).

**Example:**

**Style 403 - 40"**

**1** indicates style    **2** overall length of 4" to 120"

This specifies a Smooth-Bor® tube Style 403 with an overall length of 40 inches.

**Smooth-Bor® Style 405** has end fittings of silicone rubber or hard polyester which are added after the tubing is made. See chart below for available combinations.

**Example:**

**Style 405 - .750 - 40" - .750 - .920**

**1** indicates style    **2** inside diameter    **3** overall length    **4** inside diameter of one end fitting    **5** inside diameter of other end fitting

This specifies a Smooth-Bor® tube Style 405 with a tube I.D. of .750, an overall length of 40", to fit 22mm and 26mm male fittings.

### Style 403/405 tube and fitting combinations

| Smooth-Bor® number          | Tube inside dia. | Fittings it fits                         | Smooth-Bor® number                | Tube inside dia. | Fittings it fits                          |
|-----------------------------|------------------|--|-----------------------------------|------------------|---|
| 405-10mm-length-.355-.355   | 10mm             | 10mm male both ends                      | 403-length                        | .750             | 22mm male both ends                       |
| 405-10mm-length-.355-.530   | 10mm             | 10mm male one end, 15mm male other end   | 405-.750-length-.530R-.530R       | .750             | 19mm male both ends (cuffs are red)       |
| 405-10mm-length-.530-.530   | 10mm             | 15mm male both ends                      | 405-.750-length-.750-.530R        | .750             | 22mm male one end, 19mm male other end    |
| 405-12mm-length-.530-.530   | 12mm             | 15mm male both ends                      | 405-.750-length-.920-.920         | .750             | 26mm male both ends                       |
| 405-15mm-length-.530-.530   | 15mm             | 15mm male both ends                      | 405-.750-length-.750-.920         | .750             | 22mm male one end, 26mm male other end    |
| 405-15mm-length-.530-.750   | 15mm             | 15mm male one end, 22mm male other end   | 405-.750-length-.530R-.920        | .750             | 19mm male one end, 26mm male other end    |
| 405-15mm-length-.750-.750   | 15mm             | 22mm male both ends                      | 405-.750-length-.750 90°-.750     | .750             | 22mm male both ends (one cuff 90°)        |
| 405-15mm-length-.438H-.438H | 15mm             | 15mm female both ends                    | 405-.750-length-.750 90°-.530R    | .750             | 22mm male (90° cuff), 19mm male other end |
| 405-15mm-length-.438H-.530  | 15mm             | 15mm female one end, 15mm male other end | 405-.750-length-.750 90°-.920     | .750             | 22mm male (90° cuff), 26mm male other end |
| 405-15mm-length-.438H-.750  | 15mm             | 15mm female one end, 22mm male other end | 405-.750-length-.750 90°-.750 90° | .750             | 22mm male (90° cuff), both ends           |