



**Stainless Steel
SMS Hygienic Unions**

Introduction



SMS unions (Swedish Manufacturing Standard - SMS 1145) are a less popular Union choice in the UK market and usually show up on machinery purchased from the EU.

They are a hygienic fitting that features a captive seal design to provide a smooth, crevice-free internal bore.

The Union consists of a round slotted nut, weld liner and weld male with an L style seal available from stock in EPDM (other materials available on special order).

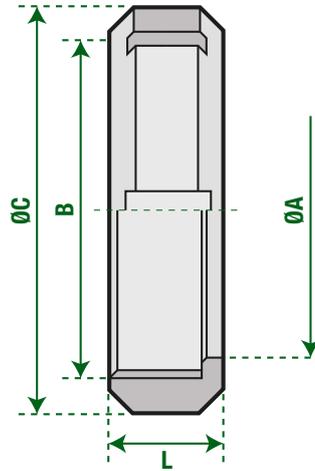
They are 10 Bar/g pressure rated.

The Nut is usually made from 304 Stainless Steel and the Male and Liner are 316L Stainless Steel.

The standard size range is 1" - 4" to suit Imperial Hygienic Tube.

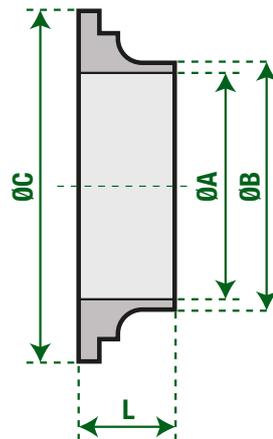
There are 2 types of 4" available, standard (referred to as 4 thread) and large (referred to as 6 thread)

SMS-01 SMS Round Nut



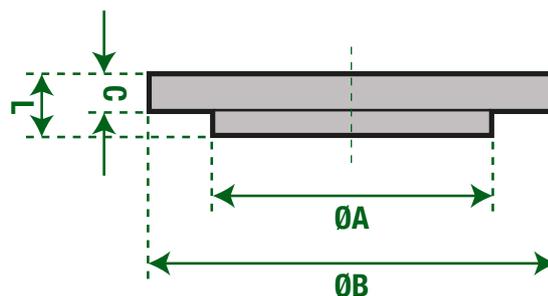
| Size | DIM B | DIM C | DIM L |
|--------|-------|-------|-------|
| 1" | 25.4 | 51 | 20 |
| 1-1/2" | 38.1 | 74 | 25 |
| 2" | 51.8 | 84 | 26 |
| 2-1/2" | 63.5 | 100 | 30 |
| 3" | 76.1 | 114 | 32 |
| 4" | 101.6 | 154 | 45 |
| 4" | 101.6 | 138 | 31 |

SMS-02 SMS Weld Liner



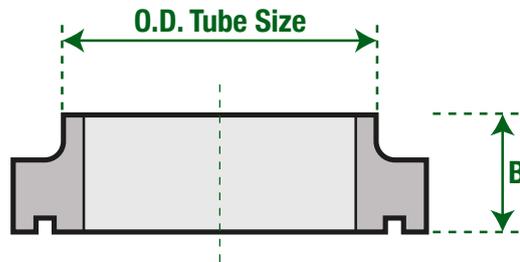
| Size | DIM A | DIM B | DIM C | DIM L |
|--------|-------|-------|-------|-------|
| 1" | 22.5 | 25.4 | 35.5 | 15.5 |
| 1-1/2" | 35.5 | 38.1 | 55 | 16 |
| 2" | 48.5 | 51.8 | 65 | 17 |
| 2-1/2" | 60.5 | 63.5 | 80 | 17 |
| 3" | 72.9 | 76.1 | 93 | 19 |
| 4" | 98.5 | 101.6 | 127 | 19 |
| 4" | 97.6 | 101.6 | 118 | 19 |

SMS-03 SMS Machined Blank



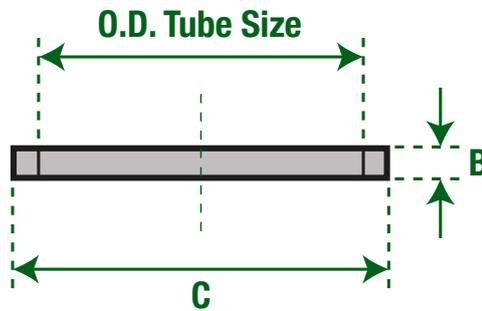
| Size | DIM A | DIM B | DIM L |
|--------|-------|-------|-------|
| 1" | 32 | 35.5 | 7.5 |
| 1-1/2" | 48 | 55 | 9 |
| 2" | 60 | 65 | 10 |
| 2-1/2" | 73.5 | 80 | 10 |
| 3" | 86 | 93 | 11 |
| 4" | 118 | 118 | 11 |

SMS-04 SMS Weld Male



| Size | DIM B | DIM B |
|--------|-------|-------|
| 1" | 25.4 | 15 |
| 1-1/2" | 38.1 | 23 |
| 2" | 51.8 | 25 |
| 2-1/2" | 63.5 | 30 |
| 3" | 76.1 | 35 |
| 4" | 101.6 | 29 |
| 4" | 101.6 | 29 |

SMS-05 SMS Joint Ring



| Size | DIM B | DIM C |
|--------|-------|-------|
| 1" | 5.5 | 32 |
| 1-1/2" | 5.5 | 48 |
| 2" | 5.5 | 61 |
| 2-1/2" | 5.5 | 74 |
| 3" | 5.5 | 86 |
| 4" | 5.5 | 114 |