

# Sanitary / SS Products



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**PITANCO**  
PRECISION  
ISO 9001

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191 Brossard, Delson, Quebec J5B 1W9  
450 638-5220 • 1 866-688-5220  
[info@pitancoprecision.com](mailto:info@pitancoprecision.com)



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# Sanitary Fittings

**PITANCO**  
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**CLAMPS, HEAVY DUTY, SINGLE PIN AND STANDARD NUT**  
MODEL CL-HD

**CLAMPS & GASKETS**



| SIZE          | SERVICE PRESSURE<br>RATING @ 70°F <sup>1</sup> | DIMENSIONS<br>as per diagram | SERIES # 13MHM<br>Stainless Steel 304 |
|---------------|--|------------------------------|---------------------------------------|
| OD            |  | A                            | PART #                                |
| 0,50" & 0,75" | 1500   | 1,062"                       | CL050HD                               |
| 1,00" & 1,50" | 500  | 2,122"                       | CL150HD                               |
| 2,00"         | 450  | 2,654"                       | CL200HD                               |
| 2,50"         | 400  | 3,185"                       | CL250HD                               |
| 3,00"         | 350  | 3,717"                       | CL300HD                               |
| 4,00"         | 300  | 4,820"                       | CL400HD                               |
| 6,00"         | 150  | 6,695"                       | CL600HD                               |
| 8,00"         | 100  | 8,695"                       | CL800HD                               |

<sup>1</sup> Wing nut tightened to 25 lb torque.

**DESCRIPTION**

**PART #**

Standard wing nut for HD clamps 2"

NUT-CL200HD

**CLAMPS, HEAVY DUTY, SINGLE PIN AND SERRATED WING NUT**  
MODEL CL-HD-SW

**CLAMPS & GASKETS**



| SIZE          | SERVICE PRESSURE<br>RATING @ 70°F <sup>1</sup> | DIMENSIONS<br>as per diagram | SERIES # 13MHM<br>Stainless Steel 304 |
|---------------|--|------------------------------|---------------------------------------|
| OD            |  | A                            | PART #                                |
| 0,50" & 0,75" | 1500   | 1,062"                       | CL050HD-SW                            |
| 1,00" & 1,50" | 500  | 2,122"                       | CL150HD-SW                            |
| 2,00"         | 450  | 2,654"                       | CL200HD-SW                            |
| 2,50"         | 400  | 3,185"                       | CL250HD-SW                            |
| 3,00"         | 350  | 3,717"                       | CL300HD-SW                            |
| 4,00"         | 300  | 4,820"                       | CL400HD-SW                            |
| 6,00"         | 150  | 6,695"                       | CL600HD-SW                            |
| 8,00"         | 100  | 8,695"                       | CL800HD-SW                            |

<sup>1</sup> Wing nut tightened to 25 lb torque.

**DESCRIPTION**

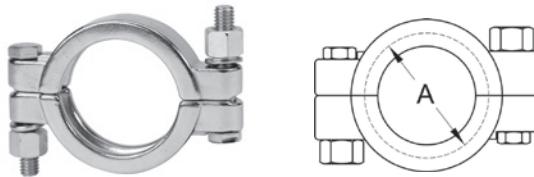
**PART #**

Serrated wing nut for HD clamps 2"

NUT-CL200HD-SW

**CLAMPS, HIGH PRESSURE, DUAL BOLTED  
MODEL CL13MHP**

**CLAMPS & GASKETS**



| SIZE          | SERVICE PRESSURE<br>RATING @ 70°F <sup>1</sup> | DIMENSIONS<br>as per diagram | SERIES # 13MHP<br>Stainless Steel 304 |
|---------------|--|------------------------------|---------------------------------------|
| OD            |  | A                            | PART #                                |
| 0,50" & 0,75" | 1500   | 1,062"                       | CL13MHP-050HD                         |
| 1,00" & 1,50" | 1500   | 2,046"                       | CL13MHP-150HD                         |
| 2,00"         | 1000   | 2,578"                       | CL13MHP-200HD                         |
| 2,50"         | 1000   | 3,110"                       | CL13MHP-250HD                         |
| 3,00"         | 1000   | 3,640"                       | CL13MHP-300HD                         |
| 4,00"         | 800  | 4,744"                       | CL13MHP-400HD                         |
| 6,00"         | 300  | 6,632"                       | CL13MHP-600HD                         |

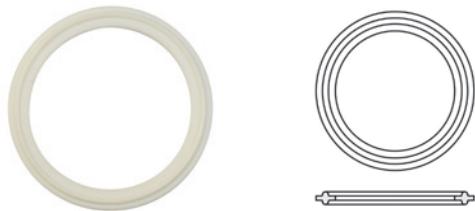
<sup>1</sup> Wing nut tightened to 25 lb torque.

**GASKETS, PEROXIDE CURED, CLEAR SILICONE, FDA APPROVED**  
MODEL G-CS

**CLAMPS & GASKETS**

**TEMPERATURE RANGE**

- 50°F / 400°F  
- 46°C / 204°C



| SIZE  | SERIES # 42MP          |          |         | SERIES # 40MP          |  |
|-------|------------------------|----------|---------|------------------------|--|
|       | Clear Silicone, no dot |          |         | Clear Silicone, no dot |  |
| OD    | PART #                 | QUANTITY | PART #  | QUANTITY               |  |
| 0,50" | G050-CS                | 25 PACK  |         |                        |  |
| 0,75" | G075-CS                | 25 PACK  |         |                        |  |
| 1,00" |                        |          | G100-CS | 25 PACK                |  |
| 1,50" |                        |          | G150-CS | 25 PACK                |  |
| 2,00" |                        |          | G200-CS | 25 PACK                |  |
| 2,50" |                        |          | G250-CS | 25 PACK                |  |
| 3,00" |                        |          | G300-CS | 10 PACK                |  |
| 4,00" |                        |          | G400-CS | 10 PACK                |  |
| 6,00" |                        |          | G600-CS | Individually           |  |
| 8,00" |                        |          | G800-CS | Individually           |  |

Other diameters available upon request.

**GASKETS, PEROXIDE CURED, EPDM, FDA APPROVED**  
MODEL G-EPDM

**CLAMPS & GASKETS**

**TEMPERATURE RANGE**

- 40°F / 275°F  
- 40°C / 135°C



| SIZE  | SERIES # 42MP      |          |           | SERIES # 40MP      |  |
|-------|--------------------|----------|-----------|--------------------|--|
|       | EPDM, 3 green dots |          |           | EPDM, 3 green dots |  |
| OD    | PART #             | QUANTITY | PART #    | QUANTITY           |  |
| 0,50" | G050-EPDM          | 25 PACK  |           |                    |  |
| 0,75" | G075-EPDM          | 25 PACK  |           |                    |  |
| 1,00" |                    |          | G100-EPDM | 25 PACK            |  |
| 1,50" |                    |          | G150-EPDM | 25 PACK            |  |
| 2,00" |                    |          | G200-EPDM | 25 PACK            |  |
| 2,50" |                    |          | G250-EPDM | 25 PACK            |  |
| 3,00" |                    |          | G300-EPDM | 10 PACK            |  |
| 4,00" |                    |          | G400-EPDM | 10 PACK            |  |
| 6,00" |                    |          | G600-EPDM | Individually       |  |
| 8,00" |                    |          | G800-EPDM | Individually       |  |

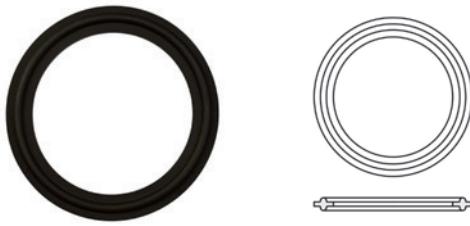
Other diameters available upon request.

**GASKETS, BUNA-N, FDA APPROVED**  
MODEL G-BN

**CLAMPS & GASKETS**

**TEMPERATURE RANGE**

- 25°F / 225°F
- 32°C / 107°C



| SIZE  | SERIES # 42MP<br>BUNA-N, 1 red dot |          |         | SERIES # 40MP<br>BUNA-N, 1 red dot |  |              |
|-------|------------------------------------|----------|---------|------------------------------------|--|--------------|
| OD    | PART #                             | QUANTITY | PART #  | QUANTITY                           |  |              |
| 0,50" | G050-BN                            | 25 PACK  |         |                                    |  |              |
| 0,75" | G075-BN                            | 25 PACK  |         |                                    |  |              |
| 1,00" |                                    |          | G100-BN |                                    |  | 25 PACK      |
| 1,50" |                                    |          | G150-BN |                                    |  | 25 PACK      |
| 2,00" |                                    |          | G200-BN |                                    |  | 25 PACK      |
| 2,50" |                                    |          | G250-BN |                                    |  | 25 PACK      |
| 3,00" |                                    |          | G300-BN |                                    |  | 10 PACK      |
| 4,00" |                                    |          | G400-BN |                                    |  | 10 PACK      |
| 6,00" |                                    |          | G600-BN |                                    |  | Individually |
| 8,00" |                                    |          | G800-BN |                                    |  | Individually |

Other diameters available upon request.

**GASKETS, PEROXIDE CURED, VITON (FKM), FDA APPROVED**  
MODEL G-FKM

**CLAMPS & GASKETS**

**TEMPERATURE RANGE**

- 15°F / 375°F
- 26°C / 191°C



| SIZE  | SERIES # 42MP<br>VITON, 1 white dot & 1 yellow dot |              |          | SERIES # 40MP<br>VITON, 1 white dot & 1 yellow dot |  |              |
|-------|--|--------------|----------|--|--|--------------|
| OD    | PART #   | Quantity     | PART #   | Quantity   |  |              |
| 0,50" | G050-FKM   | Individually |          |  |  |              |
| 0,75" | G075-FKM   | Individually |          |  |  |              |
| 1,00" |  |              | G100-FKM |  |  | Individually |
| 1,50" |  |              | G150-FKM |  |  | Individually |
| 2,00" |  |              | G200-FKM |  |  | Individually |
| 2,50" |  |              | G250-FKM |  |  | Individually |
| 3,00" |  |              | G300-FKM |  |  | Individually |
| 4,00" |  |              | G400-FKM |  |  | Individually |
| 6,00" |  |              | G600-FKM |  |  | Individually |
| 8,00" |  |              | G800-FKM |  |  | Individually |

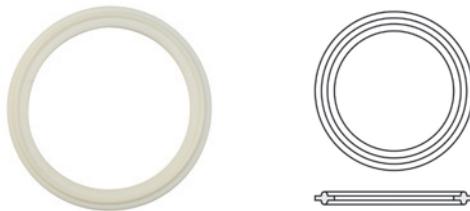
Other diameters available upon request.

**GASKETS, PTFE (WHITE TEFLON), FDA APPROVED**  
MODEL G-PTFE

**CLAMPS & GASKETS**

**TEMPERATURE RANGE**

- 10°F / 300°F  
- 23°C / 232°C



Not recommended for double nut hose clamps.

| SIZE  | SERIES # 42MP<br>PTFE, no dot |          |           | SERIES # 40MP<br>PTFE, no dot |  |  |
|-------|-------------------------------|----------|-----------|-------------------------------|--|--|
| OD    | PART #                        | QUANTITY | PART #    | QUANTITY                      |  |  |
| 0,50" | G050-PTFE                     | 25 PACK  |           |                               |  |  |
| 0,75" | G075-PTFE                     | 25 PACK  |           |                               |  |  |
| 1,00" |                               |          | G100-PTFE | 25 PACK                       |  |  |
| 1,50" |                               |          | G150-PTFE | 25 PACK                       |  |  |
| 2,00" |                               |          | G200-PTFE | 25 PACK                       |  |  |
| 2,50" |                               |          | G250-PTFE | 25 PACK                       |  |  |
| 3,00" |                               |          | G300-PTFE | 10 PACK                       |  |  |
| 4,00" |                               |          | G400-PTFE | 10 PACK                       |  |  |
| 6,00" |                               |          | G600-PTFE | Individually                  |  |  |
| 8,00" |                               |          | G800-PTFE | Individually                  |  |  |

Other diameters available upon request.

**FLANGED GASKETS, PEROXIDE CURED, EPDM, FDA APPROVED**  
MODEL FG-EPDM

**CLAMPS & GASKETS**

**TEMPERATURE RANGE**

- 40°F / 275°F  
- 40°C / 135°C



Type 2 - Flanged

| SIZE  | SERIES # 42MPF<br>EPDM, 3 green dots |          |            | SERIES # 40MPF<br>EPDM, 3 green dots |  |  |
|-------|--------------------------------------|----------|------------|--------------------------------------|--|--|
| OD    | PART #                               | QUANTITY | PART #     | QUANTITY                             |  |  |
| 0,50" | FG050-EPDM                           | 25 PACK  |            |                                      |  |  |
| 0,75" | FG075-EPDM                           | 25 PACK  |            |                                      |  |  |
| 1,00" |                                      |          | FG100-EPDM | 25 PACK                              |  |  |
| 1,50" |                                      |          | FG150-EPDM | 25 PACK                              |  |  |
| 2,00" |                                      |          | FG200-EPDM | 25 PACK                              |  |  |
| 2,50" |                                      |          | FG250-EPDM | 25 PACK                              |  |  |
| 3,00" |                                      |          | FG300-EPDM | 10 PACK                              |  |  |
| 4,00" |                                      |          | FG400-EPDM | 10 PACK                              |  |  |
| 5,00" |                                      |          | FG500-EPDM | 10 PACK                              |  |  |
| 6,00" |                                      |          | FG600-EPDM | Individually                         |  |  |
| 8,00" |                                      |          | FG800-EPDM | Individually                         |  |  |

Other diameters available upon request.

**FLANGED GASKETS, PEROXIDE CURED, CLEAR SILICONE, FDA APPROVED**  
MODEL FG-CS

**CLAMPS & GASKETS**

**TEMPERATURE RANGE**

- 50°F / 400°F  
- 46°C / 204°C



Type 2 - Flanged

| SIZE  | SERIES # 42MPF<br>Clear Silicone, no dot |          |          | SERIES # 40MPF<br>Clear Silicone, no dot |  |  |
|-------|--|----------|----------|--|--|--|
| OD    | PART #                                   | QUANTITY | PART #   | QUANTITY                                 |  |  |
| 0,50" | FG050-CS                                 | 25 PACK  |          |  |  |  |
| 0,75" | FG075-CS                                 | 25 PACK  |          |  |  |  |
| 1,00" |  |          | FG100-CS | 25 PACK                                  |  |  |
| 1,50" |  |          | FG150-CS | 25 PACK                                  |  |  |
| 2,00" |  |          | FG200-CS | 25 PACK                                  |  |  |
| 2,50" |  |          | FG250-CS | 25 PACK                                  |  |  |
| 3,00" |  |          | FG300-CS | 10 PACK                                  |  |  |
| 4,00" |  |          | FG400-CS | 10 PACK                                  |  |  |
| 5,00" |  |          | FG500-CS | 10 PACK                                  |  |  |
| 6,00" |  |          | FG600-CS | Individually                             |  |  |
| 8,00" |  |          | FG800-CS | Individually                             |  |  |

Other diameters available upon request.

**FLANGED GASKETS, BUNA-N, FDA APPROVED**  
MODEL FG-BN

**CLAMPS & GASKETS**

**TEMPERATURE RANGE**

- 25°F / 225°F  
- 32°C / 107°C



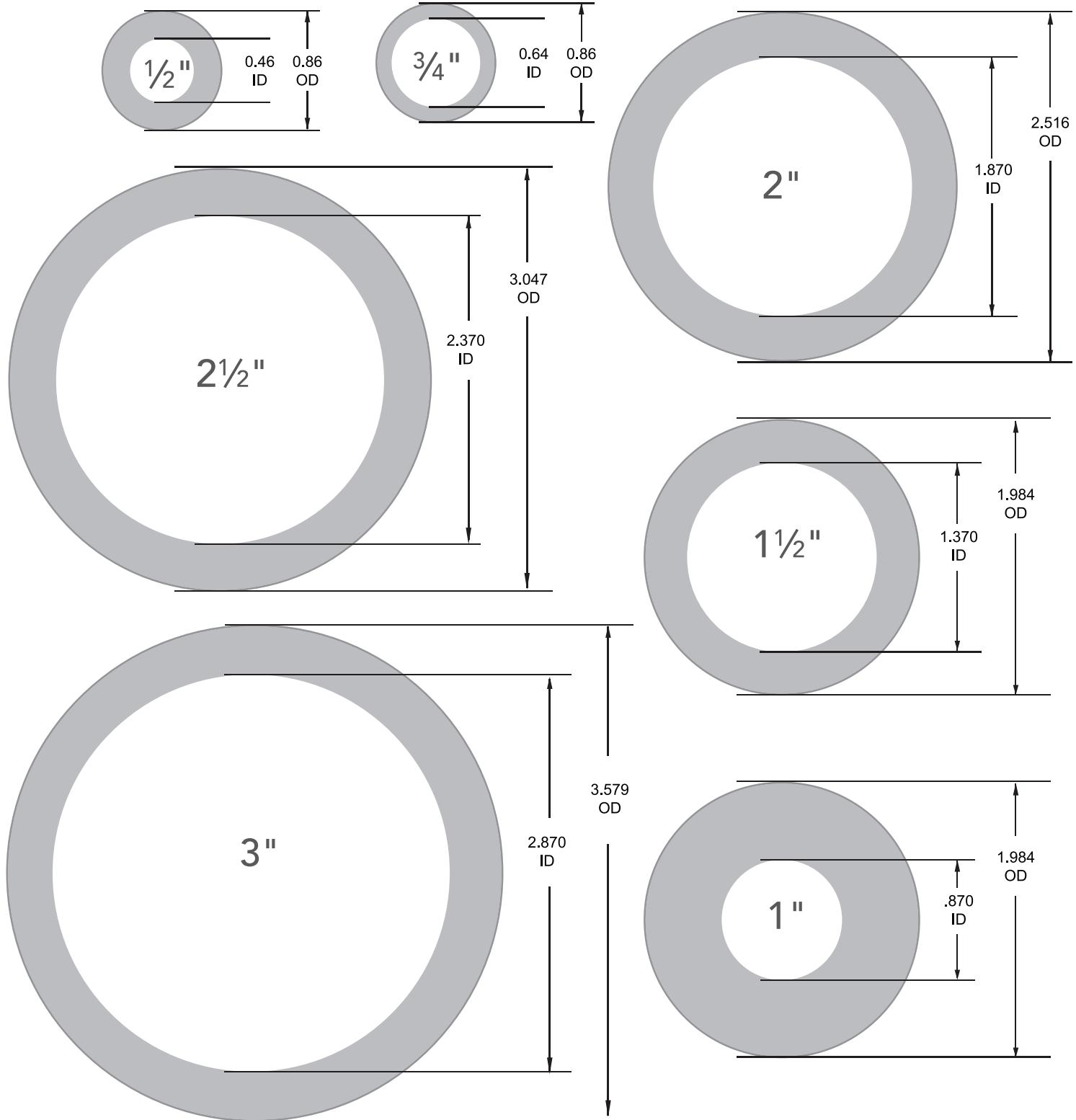
Type 2 - Flanged

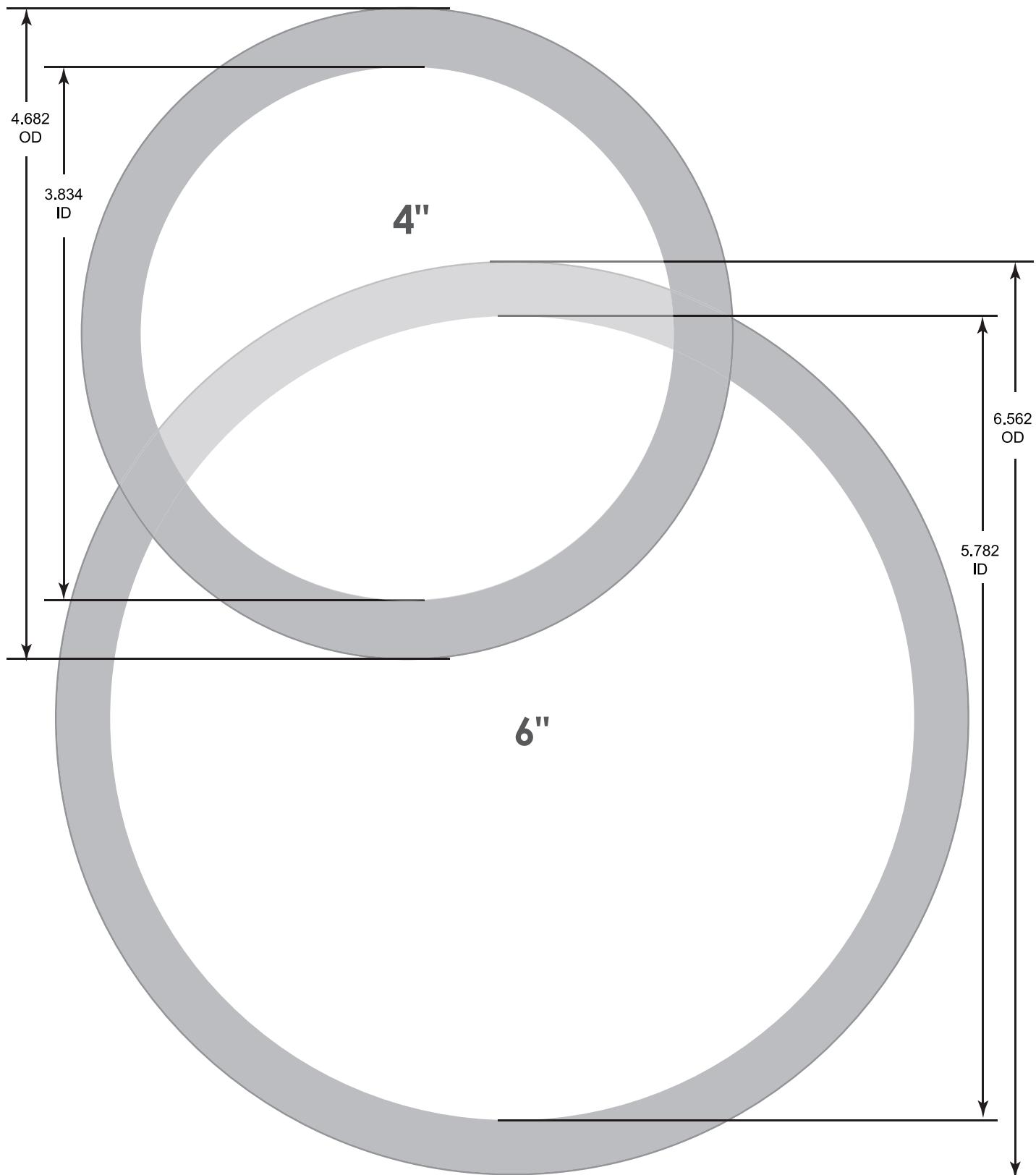
| SIZE  | SERIES # 42MPF<br>BUNA-N, 1 red dot |          |          | SERIES # 40MPF<br>BUNA-N, 1 red dot |  |  |
|-------|-------------------------------------|----------|----------|-------------------------------------|--|--|
| OD    | PART #                              | QUANTITY | PART #   | QUANTITY                            |  |  |
| 0,50" | FG050-BN                            | 25 PACK  |          |                                     |  |  |
| 0,75" | FG075-BN                            | 25 PACK  |          |                                     |  |  |
| 1,00" |                                     |          | FG100-BN | 25 PACK                             |  |  |
| 1,50" |                                     |          | FG150-BN | 25 PACK                             |  |  |
| 2,00" |                                     |          | FG200-BN | 25 PACK                             |  |  |
| 2,50" |                                     |          | FG250-BN | 25 PACK                             |  |  |
| 3,00" |                                     |          | FG300-BN | 10 PACK                             |  |  |
| 4,00" |                                     |          | FG400-BN | 10 PACK                             |  |  |
| 6,00" |                                     |          | FG600-BN | Individually                        |  |  |
| 8,00" |                                     |          | FG800-BN | Individually                        |  |  |

Other diameters available upon request.

## CLAMP GASKETS - SIZING GUIDE

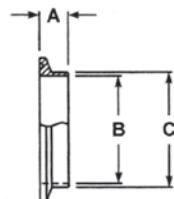
CLAMPS & GASKETS





## SHORT FERRULES, POLISHED # 7, 3A APPROVED

MODEL SF



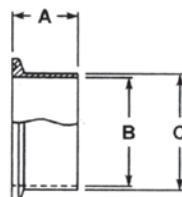
BUTT-WELD

| SIZE  | DIMENSIONS<br>as per diagram |        |       | PART #    | PART #     |
|-------|------------------------------|--------|-------|-----------|------------|
|       | OD                           | A      | B     |           |            |
| 0,50" | 0,50"                        | 0,37"  | 0,50" | SF050-304 | SF050-316L |
| 0,75" | 0,50"                        | 0,62"  | 0,75" | SF075-304 | SF075-316L |
| 1,00" | 0,50"                        | 0,87"  | 1,00" | SF100-304 | SF100-316L |
| 1,50" | 0,50"                        | 1,37"  | 1,50" | SF150-304 | SF150-316L |
| 2,00" | 0,50"                        | 1,87"  | 2,00" | SF200-304 | SF200-316L |
| 2,50" | 0,50"                        | 2,37"  | 2,50" | SF250-304 | SF250-316L |
| 3,00" | 0,50"                        | 2,87"  | 3,00" | SF300-304 | SF300-316L |
| 4,00" | 0,625"                       | 3,834" | 4,00" | SF400-304 | SF400-316L |
| 6,00" | 0,875"                       | 5,782" | 6,00" | SF600-304 | SF600-316L |
| 8,00" | 0,875"                       | 7,76"  | 8,00" | SF800-304 | SF800-316L |

Other diameters available upon request.

## LONG FERRULES, POLISHED # 7, 3A APPROVED

MODEL LF



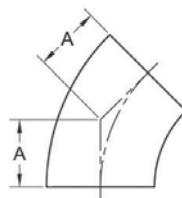
BUTT-WELD

| SIZE  | DIMENSIONS<br>as per diagram |        |       | PART #    | PART #     |
|-------|------------------------------|--------|-------|-----------|------------|
|       | OD                           | A      | B     |           |            |
| 0,50" | 1,125"                       | 0,37"  | 0,50" | LF050-304 | LF050-316L |
| 0,75" | 1,125"                       | 0,62"  | 0,75" | LF075-304 | LF075-316L |
| 1,00" | 1,125"                       | 0,87"  | 1,00" | LF100-304 | LF100-316L |
| 1,50" | 1,125"                       | 1,37"  | 1,50" | LF150-304 | LF150-316L |
| 2,00" | 1,125"                       | 1,87"  | 2,00" | LF200-304 | LF200-316L |
| 2,50" | 1,125"                       | 2,37"  | 2,50" | LF250-304 | LF250-316L |
| 3,00" | 1,125"                       | 2,87"  | 3,00" | LF300-304 | LF300-316L |
| 4,00" | 1,125"                       | 3,834" | 4,00" | LF400-304 | LF400-316L |
| 6,00" | 1,500"                       | 5,782" | 6,00" | LF600-304 | LF600-316L |
| 8,00" | 1,500"                       | 7,76"  | 8,00" | LF800-304 | LF800-316L |

Other diameters available upon request.

**45° ELBOWS, BUTT WELD, POLISHED # 7, 3A APPROVED**

MODEL EL45

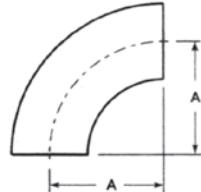
**BUTT-WELD**

| SIZE  | DIMENSIONS<br>as per diagram |        |                | SERIES # B2WK<br>Stainless Steel 304 | SERIES # B2WK<br>Stainless Steel 316L |
|-------|------------------------------|--------|----------------|--------------------------------------|---------------------------------------|
|       | OD                           | A      | Wall Thickness |                                      |                                       |
| 0,50" | 0,280"                       | 0,065" |                | EL45-050-304                         | EL45-050-316L                         |
| 0,75" | 0,466"                       | 0,065" |                | EL45-075-304                         | EL45-075-316L                         |
| 1,00" | 0,625"                       | 0,065" |                | EL45-100-304                         | EL45-100-316L                         |
| 1,50" | 0,937"                       | 0,065" |                | EL45-150-304                         | EL45-150-316L                         |
| 2,00" | 1,250"                       | 0,065" |                | EL45-200-304                         | EL45-200-316L                         |
| 2,50" | 1,562"                       | 0,065" |                | EL45-250-304                         | EL45-250-316L                         |
| 3,00" | 1,875"                       | 0,065" |                | EL45-300-304                         | EL45-300-316L                         |
| 4,00" | 2,500"                       | 0,083" |                | EL45-400-304                         | EL45-400-316L                         |
| 6,00" | 3,750"                       | 0,109" |                | EL45-600-304                         | EL45-600-316L                         |
| 8,00" | 5,000"                       | 0,170" |                |                                      | EL45-800-316L                         |

Other diameters available upon request.

**90° ELBOWS, BUTT WELD, POLISHED # 7, 3A APPROVED**

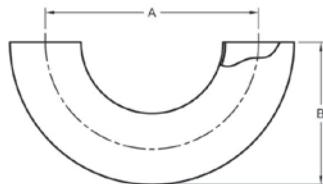
MODEL EL90

**BUTT-WELD**

| SIZE  | DIMENSIONS<br>as per diagram |        |                | SERIES # B2WC<br>Stainless Steel 304 | SERIES # B2WC<br>Stainless Steel 316L |
|-------|------------------------------|--------|----------------|--------------------------------------|---------------------------------------|
|       | OD                           | A      | Wall Thickness |                                      |                                       |
| 0,50" | 0,750"                       | 0,065" |                | EL90-050-304                         | EL90-050-316L                         |
| 0,75" | 1,125"                       | 0,065" |                | EL90-075-304                         | EL90-075-316L                         |
| 1,00" | 1,500"                       | 0,065" |                | EL90-100-304                         | EL90-100-316L                         |
| 1,50" | 2,250"                       | 0,065" |                | EL90-150-304                         | EL90-150-316L                         |
| 2,00" | 3,000"                       | 0,065" |                | EL90-200-304                         | EL90-200-316L                         |
| 2,50" | 3,750"                       | 0,065" |                | EL90-250-304                         | EL90-250-316L                         |
| 3,00" | 4,500"                       | 0,065" |                | EL90-300-304                         | EL90-300-316L                         |
| 4,00" | 6,000"                       | 0,083" |                | EL90-400-304                         | EL90-400-316L                         |
| 6,00" | 9,000"                       | 0,109" |                | EL90-600-304                         | EL90-600-316L                         |
| 8,00" | 12,000"                      | 0,110" |                |                                      | EL90-800-316L                         |

Other diameters available upon request.

**180° ELBOWS, BUTT WELD, POLISHED # 7, 3A APPROVED**  
MODEL EL180

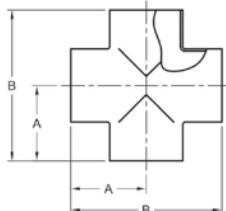


**BUTT-WELD**

| SIZE  | DIMENSIONS<br>as per diagram |        |        | SERIES # B2WUL<br>Stainless Steel 304 | SERIES # B2WUL<br>Stainless Steel 316L |               |
|-------|------------------------------|--------|--------|---------------------------------------|--|---------------|
|       | OD                           | A      | B      | Wall<br>Thickness                     | PART #                                 | PART #        |
| 1,00" | 3,000"                       | 2,000" | 0,065" | 0,065"                                | EL180-10-304                           | EL180-10-316L |
| 1,50" | 4,500"                       | 3,000" | 0,065" | 0,065"                                | EL180-15-304                           | EL180-15-316L |
| 2,00" | 6,000"                       | 4,000" | 0,065" | 0,065"                                | EL180-20-304                           |               |
| 2,50" | 7,500"                       | 5,000" | 0,065" | 0,065"                                |  |               |
| 3,00" | 9,000"                       | 6,000" | 0,065" | 0,065"                                |  |               |
| 4,00" | 12,000"                      | 8,000" | 0,083" | 0,083"                                |  |               |

Other diameters available upon request.

**CROSSES, BUTT WELD, POLISHED # 7, 3A APPROVED**  
MODEL PB9WWWW

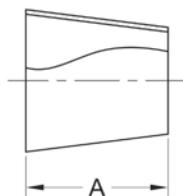


**BUTT-WELD**

| SIZE  | DIMENSIONS<br>as per diagram |        |   | SERIES # B9WWWW<br>Stainless Steel 304 | SERIES # B9WWWW<br>Stainless Steel 316L |
|-------|------------------------------|--------|---|--|---|
|       | OD                           | A      | B | PART #                                 | PART #                                  |
| 1,00" | 1,125"                       | 2,250" |   | PB9WWWW-10-304                         |   |
| 1,50" | 1,656"                       | 3,312" |   | PB9WWWW-15-304                         |   |
| 2,00" | 2,062"                       | 4,125" |   | PB9WWWW-20-304                         |   |
| 2,50" | 2,343"                       | 4,687" |   | PB9WWWW-25-304                         |   |
| 3,00" | 2,598"                       | 5,187" |   | PB9WWWW-30-304                         |   |
| 4,00" | 3,437"                       | 6,875" |   | PB9WWWW-40-304                         |   |

Other diameters and materials available on request.

**CONCENTRIC REDUCERS, BUTT WELD, POLISHED # 7, 3A APPROVED**  
**MODEL CR31W**



**BUTT-WELD**

| <b>SIZE</b> | <b>DIMENSIONS</b><br>as per diagram | <b>SERIES # B31W</b> | <b>SERIES # B31W</b> |
|-------------|-------------------------------------|----------------------|----------------------|
|             |                                     | Stainless Steel 304  | Stainless Steel 316L |
| <b>OD</b>   | <b>A</b>                            | <b>PART #</b>        | <b>PART #</b>        |
| 1 x 0,5"    | 1,000"                              | CR31W-10-050-4       |                      |
| 1 x 0,75"   | 1,000"                              | CR31W-10-075-4       |                      |
| 1,5 x 1"    | 2,000"                              | CR31W-15-10-4        | CR31W-15-10-6        |
| 2 x 1"      | 4,000"                              | CR31W-20-10-4        | CR31W-20-10-6        |
| 2 x 1,5"    | 2,000"                              | CR31W-20-15-4        | CR31W-20-15-6        |
| 2,5 x 1"    | 6,000"                              | CR31W-25-10-4        | CR31W-25-10-6        |
| 2,5 x 1,5"  | 4,000"                              | CR31W-25-15-4        | CR31W-25-15-6        |
| 2,5 x 2"    | 2,000"                              | CR31W-25-20-4        | CR31W-25-20-6        |
| 3 x 1"      | 8,000"                              | CR31W-30-10-4        | CR31W-30-10-6        |
| 3 x 1,5"    | 6,000"                              | CR31W-30-15-4        | CR31W-30-15-6        |
| 3 x 2"      | 4,000"                              | CR31W-30-20-4        | CR31W-30-20-6        |
| 3 x 2,5"    | 2,000"                              | CR31W-30-25-4        | CR31W-30-25-6        |
| 4 x 1"      | 12,000"                             | CR31W-40-10-4        | CR31W-40-10-6        |
| 4 x 1,5"    | 10,000"                             | CR31W-40-15-4        | CR31W-40-15-6        |
| 4 x 2"      | 8,000"                              | CR31W-40-20-4        | CR31W-40-20-6        |
| 4 x 2,5"    | 6,000"                              | CR31W-40-25-4        | CR31W-40-25-6        |
| 4 x 3"      | 4,000"                              | CR31W-40-30-4        | CR31W-40-30-6        |
| 6 x 4"      | 5,500"                              | CR31W-60-40-4        | CR31W-60-40-6        |
| 10 x 8"     | 7,000"                              |                      |                      |

Other diameters available upon request.

**ECCENTRIC REDUCERS, BUTT WELD, POLISHED 7, 3A APPROVED**  
MODEL ER32W



**BUTT-WELD**

| SIZE       | DIMENSIONS<br>as per diagram |                | SERIES # ER32W<br>Stainless Steel 304 | SERIES # ER32W<br>Stainless Steel 316L |
|------------|------------------------------|----------------|---------------------------------------|--|
| OD (A x B) | L1                           | T              | PART #                                | PART #                                 |
| 1,5 x 1"   | 2,000"                       | 0,065 x 0,065" |                                       | ER32W-15-10-6                          |
| 2 x 1"     | 4,000"                       | 0,065 x 0,065" |                                       | ER32W-20-10-6                          |
| 2 x 1,5"   | 2,000"                       | 0,065 x 0,065" | ER32W-20-15-4                         | ER32W-20-15-6                          |
| 2,5 x 1"   | 6,000"                       | 0,065 x 0,065" |                                       | ER32W-25-10-6                          |
| 2,5 x 1,5" | 4,000"                       | 0,065 x 0,065" |                                       | ER32W-25-15-6                          |
| 2,5 x 2"   | 2,000"                       | 0,065 x 0,065" |                                       | ER32W-25-20-6                          |
| 3 x 1"     | 8,000"                       | 0,065 x 0,065" |                                       | ER32W-30-10-6                          |
| 3 x 1,5"   | 6,000"                       | 0,065 x 0,065" |                                       | ER32W-30-15-6                          |
| 3 x 2"     | 4,000"                       | 0,065 x 0,065" |                                       | ER32W-30-20-6                          |
| 3 x 2,5"   | 2,000"                       | 0,065 x 0,065" |                                       | ER32W-30-25-6                          |
| 4 x 1,5"   | 10,000"                      | 0,083 x 0,065" |                                       | ER32W-40-15-6                          |
| 4 x 2"     | 8,000"                       | 0,083 x 0,065" |                                       | ER32W-40-20-6                          |
| 4 x 2,5"   | 6,000"                       | 0,083 x 0,065" |                                       | ER32W-40-25-6                          |
| 4 x 3"     | 4,000"                       | 0,083 x 0,065" |                                       | ER32W-40-30-6                          |
| 6 x 3"     | 5,512"                       | 0,109 x 0,065" |                                       | ER32W-60-30-6                          |
| 6 x 4"     | 5,512"                       | 0,109 x 0,083" |                                       | ER32W-60-40-6                          |

Other diameters available upon request.

**SHORT TEES, BUTT WELD, POLISHED # 7, 3A APPROVED**  
MODEL STB7WWW

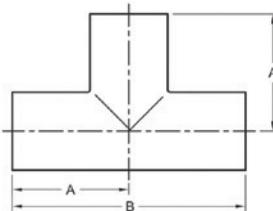


**BUTT-WELD**

| SIZE  | DIMENSIONS<br>as per diagram |         | SERIES # B7WWW<br>Stainless Steel 304 |
|-------|------------------------------|---------|---------------------------------------|
| OD    | A                            | B       | PART #                                |
| 0,50" |                              |         |                                       |
| 0,75" |                              |         |                                       |
| 1,00" | 1,125"                       | 2,250"  | STB7WWW-100-304                       |
| 1,50" | 1,656"                       | 3,312"  | STB7WWW-150-304                       |
| 2,00" | 2,063"                       | 4,125"  | STB7WWW-200-304                       |
| 2,50" | 2,344"                       | 4,688"  | STB7WWW-250-304                       |
| 3,00" | 2,594"                       | 5,188"  | STB7WWW-300-304                       |
| 4,00" | 3,438"                       | 6,875"  | STB7WWW-400-304                       |
| 6,00" | 5,625"                       | 11,250" | STB7WWW-600-304                       |
| 8,00" |                              |         |                                       |

Other diameters available upon request.

**LONG TEES, BUTT WELD, POLISHED # 7, 3A APPROVED**  
**MODEL LTB7W**

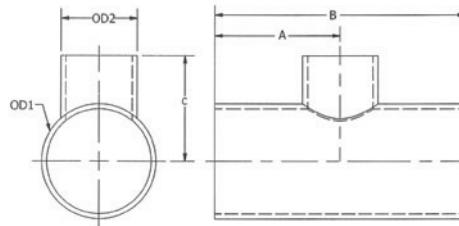


**BUTT-WELD**

| SIZE  | DIMENSIONS<br>as per diagram |         | SERIES # B7W<br>Stainless Steel 304 | SERIES # B7W<br>Stainless Steel 316L |
|-------|------------------------------|---------|-------------------------------------|--------------------------------------|
|       | OD                           | A       |                                     |                                      |
| 0,50" | 1,875"                       | 3,750"  |                                     | LTB7W-050-316L                       |
| 0,75" | 2,000"                       | 4,000"  |                                     | LTB7W-075-316L                       |
| 1,00" | 1,875"                       | 3,750"  | LTB7W-100-304                       | LTB7W-100-316L                       |
| 1,50" | 2,250"                       | 4,500"  | LTB7W-150-304                       | LTB7W-150-316L                       |
| 2,00" | 3,000"                       | 6,000"  | LTB7W-200-304                       | LTB7W-200-316L                       |
| 2,50" | 3,000"                       | 6,000"  | LTB7W-250-304                       | LTB7W-250-316L                       |
| 3,00" | 3,250"                       | 6,500"  | LTB7W-300-304                       | LTB7W-300-316L                       |
| 4,00" | 3,875"                       | 7,750"  | LTB7W-400-304                       | LTB7W-400-316L                       |
| 6,00" | 5,625"                       | 11,250" | LTB7W-600-304                       | LTB7W-600-316L                       |

Other diameters available upon request.

**REDUCING TEES, BUTT WELD, POLISHED # 7, 3A APPROVED**  
**MODEL LTB7RW**

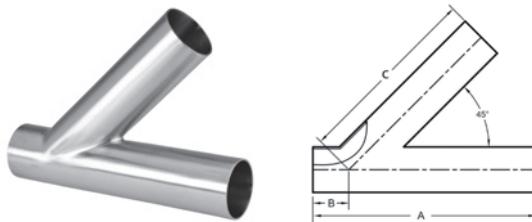


**BUTT-WELD**

| SIZE  |       | DIMENSIONS<br>as per diagram |         |        | SERIES # BR7WWW<br>Stainless Steel 316L | PART #            |
|-------|-------|------------------------------|---------|--------|---|-------------------|
| OD1   | OD2   | A                            | B       | C      |   |                   |
| 0,75" | 0,50" | 1,874"                       | 3,748"  | 1,874" |   | LTB7RW-075-050-6L |
| 1,00" | 0,50" | 1,874"                       | 3,748"  | 1,874" |   | LTB7RW-100-050-6L |
| 1,00" | 0,75" | 1,874"                       | 3,748"  | 1,874" |   | LTB7RW-100-075-6L |
| 1,50" | 0,50" | 2,252"                       | 4,504"  | 2,252" |   | LTB7RW-150-050-6L |
| 1,50" | 0,75" | 2,252"                       | 4,504"  | 2,252" |   | LTB7RW-150-075-6L |
| 1,50" | 1,00" | 2,252"                       | 4,504"  | 2,252" |   | LTB7RW-150-100-6L |
| 2,00" | 1,00" | 3,000"                       | 6,000"  | 3,000" |   | LTB7RW-200-100-6L |
| 2,00" | 1,50" | 3,000"                       | 6,000"  | 3,000" |   | LTB7RW-200-150-6L |
| 2,50" | 1,50" | 3,000"                       | 6,000"  | 3,000" |   | LTB7RW-250-150-6L |
| 2,50" | 2,00" | 3,000"                       | 6,000"  | 3,000" |   | LTB7RW-250-200-6L |
| 3,00" | 1,50" | 3,252"                       | 6,504"  | 3,252" |   | LTB7RW-300-150-6L |
| 3,00" | 2,00" | 3,252"                       | 6,504"  | 3,252" |   | LTB7RW-300-200-6L |
| 3,00" | 2,50" | 3,252"                       | 6,504"  | 3,252" |   | LTB7RW-300-250-6L |
| 4,00" | 1,50" | 3,874"                       | 7,748"  | 3,874" |   | LTB7RW-400-150-6L |
| 4,00" | 2,00" | 3,874"                       | 7,748"  | 3,874" |   | LTB7RW-400-200-6L |
| 4,00" | 2,50" | 3,874"                       | 7,748"  | 3,874" |   | LTB7RW-400-250-6L |
| 4,00" | 3,00" | 3,874"                       | 7,748"  | 3,874" |   | LTB7RW-400-300-6L |
| 6,00" | 2,00" | 5,630"                       | 11,260" | 5,630" |   | LTB7RW-600-200-6L |
| 6,00" | 3,00" | 5,630"                       | 11,260" | 5,630" |   | LTB7RW-600-300-6L |
| 6,00" | 4,00" | 5,630"                       | 11,260" | 5,630" |   | LTB7RW-600-400-6L |

Other diameters and materials available upon request.

**LATERAL Y'S, BUTT WELD, POLISHED # 7, 3A APPROVED**  
**MODEL YLB28WA**

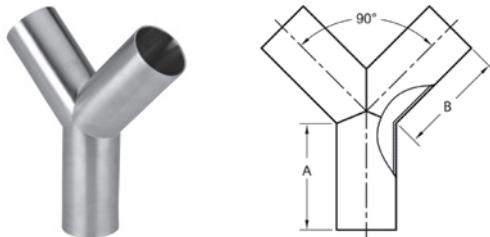


**BUTT-WELD**

| <b>SIZE</b> | <b>DIMENSIONS</b><br>as per diagram |          |          | <b>SERIES # B28WA</b><br>Stainless Steel 304 | <b>SERIES # B28WA</b><br>Stainless Steel 316L |               |
|-------------|-------------------------------------|----------|----------|--|---|---------------|
|             | <b>OD</b>                           | <b>A</b> | <b>B</b> | <b>C</b>                                     | <b>PART #</b>                                 | <b>PART #</b> |
| 1,00"       | 6,000"                              | 1,000"   | 5,000"   | YLB28WA-10-304                               |   |               |
| 1,50"       | 7,375"                              | 1,188"   | 6,188"   | YLB28WA-15-304                               |   |               |
| 2,00"       | 8,750"                              | 1,625"   | 7,125"   | YLB28WA-20-304                               |   |               |
| 2,50"       | 10,000"                             | 1,500"   | 8,500"   | YLB28WA-25-304                               |   |               |
| 3,00"       | 10,750"                             | 1,875"   | 8,875"   | YLB28WA-30-304                               |   |               |
| 4,00"       | 12,812"                             | 2,015"   | 10,750"  | YLB28WA-40-304                               |   |               |
| 6,00"       | 16,500"                             | 4,000"   | 14,750"  | YLB28WA-60-304                               |   |               |

Other diameters and materials available on request.

**TRUE Y'S, BUTT WELD, POLISHED # 7, 3A APPROVED**  
**MODEL YB28W**

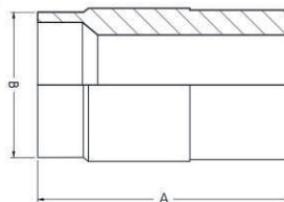


**BUTT-WELD**

| <b>SIZE</b> | <b>DIMENSIONS</b><br>as per diagram |          |          | <b>SERIES # B28W</b><br>Stainless Steel 304 | <b>SERIES # B28W</b><br>Stainless Steel 316L |
|-------------|-------------------------------------|----------|----------|---|--|
|             | <b>OD</b>                           | <b>A</b> | <b>B</b> | <b>PART #</b>                               | <b>PART #</b>                                |
| 1,00"       | 2,000"                              | 2,438"   |          | YB28W-10-304                                |  |
| 1,50"       | 2,000"                              | 2,438"   |          | YB28W-15-304                                |  |
| 2,00"       | 2,625"                              | 3,250"   |          | YB28W-20-304                                |  |
| 2,50"       | 3,375"                              | 4,125"   |          | YB28W-25-304                                |  |
| 3,00"       | 4,000"                              | 4,875"   |          | YB28W-30-304                                |  |
| 4,00"       | 5,375"                              | 6,562"   |          | YB28W-40-304                                |  |

Other diameters and materials available on request.

**ADAPTERS, BUTT WELD x NPTM, POLISHED # 7**  
MODEL 19WB

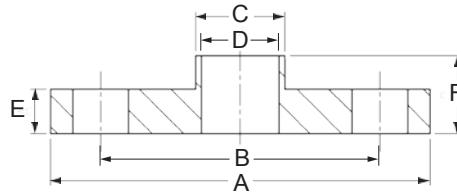


**BUTT-WELD**

| SIZE  | NPTM  | DIMENSIONS<br>as per diagram |        | SERIES # 19WB<br>Stainless Steel 304 | SERIES # 19WB<br>Stainless Steel 316L | PART #          |
|-------|-------|------------------------------|--------|--------------------------------------|---------------------------------------|-----------------|
|       |       | A                            | B      |                                      |                                       |                 |
| 1,00" | 0,75" | 1,750"                       | 1,000" |                                      |                                       | P19WB-10-075-6L |
| 1,00" | 1,00" | 1,750"                       | 1,000" |                                      |                                       | P19WB-10-10-6L  |
| 1,50" | 1,00" | 1,750"                       | 1,500" |                                      |                                       | P19WB-15-10-6L  |
| 1,50" | 1,50" | 1,750"                       | 1,500" |                                      |                                       | P19WB-15-15-6L  |
| 2,00" | 1,50" | 1,813"                       | 2,000" |                                      |                                       | P19WB-20-15-6L  |
| 2,00" | 2,00" | 1,813"                       | 2,000" |                                      |                                       | P19WB-20-20-6L  |

Other diameters and materials available on request.

**WELD NECK FLANGES, POLISHED # 7**  
MODEL SPW-B38W

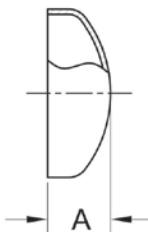


**BUTT-WELD**

| SIZE  | DIMENSIONS * |        |        |        |        |        | SERIES # B38W<br>Stainless Steel 304 | SERIES # B38W<br>Stainless Steel 316L |
|-------|--------------|--------|--------|--------|--------|--------|--------------------------------------|---------------------------------------|
|       | OD           | A      | B      | C      | D      | E      | F                                    | PART #                                |
| 1,00" | 4,250"       | 3,126" | 1,000" | 0,870" | 0,375" | 0,500" |                                      | SPW-B38W100-6L                        |
| 1,50" | 5,000"       | 3,874" | 1,500" | 1,370" | 0,375" | 0,500" |                                      | SPW-B38W150-6L                        |
| 2,00" | 6,000"       | 4,752" | 2,000" | 1,870" | 0,500" | 0,625" |                                      | SPW-B38W200-6L                        |
| 2,50" | 7,000"       | 5,500" | 2,500" | 2,370" | 0,500" | 0,625" |                                      | SPW-B38W250-6L                        |
| 3,00" | 7,500"       | 6,000" | 3,000" | 2,870" | 0,500" | 0,625" |                                      | SPW-B38W300-6L                        |
| 4,00" | 9,000"       | 7,500" | 4,000" | 3,835" | 0,500" | 0,625" | SPW-B38W400-4                        | SPW-B38W400-6L                        |
| 6,00" | 11,000"      | 9,500" | 6,000" | 5,780" | 0,500" | 0,625" |                                      | SPW-B38W600-6L                        |

Other diameters and materials available on request.

**DOME CAPS, POLISHED # 7, 3A APPROVED  
MODEL RC**

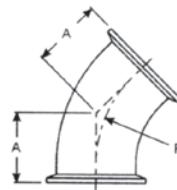


**BUTT-WELD**

| <b>SIZE</b> | <b>DIMENSIONS</b><br>as per diagram | <b>SERIES # B16W</b><br>Stainless Steel 304 | <b>SERIES # B16W</b><br>Stainless Steel 316L |
|-------------|-------------------------------------|---|--|
|             |                                     | <b>PART #</b>                               | <b>PART #</b>                                |
| 1,00"       | 0,375"                              |   | RC100-316L                                   |
| 1,50"       | 0,562"                              | RC150-304                                   | RC150-316L                                   |
| 2,00"       | 0,750"                              | RC200-304                                   | RC200-316L                                   |
| 2,50"       | 1,000"                              | RC250-304                                   | RC250-316L                                   |
| 3,00"       | 1,250"                              | RC300-304                                   | RC300-316L                                   |
| 4,00"       | 1,500"                              |   | RC400-316L                                   |

Other diameters available upon request.

**45° ELBOWS, TRI-CLAMP®, POLISHED # 7, 3A APPROVED**  
MODEL PFCL45

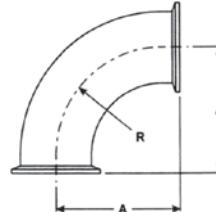


**TRI-CLAMP®**

| <b>SIZE</b> | <b>DIMENSIONS</b><br>as per diagram |          | <b>SERIES # B2KMP</b><br>Stainless Steel 304 | <b>SERIES # B2KMP</b><br>Stainless Steel 316L |
|-------------|-------------------------------------|----------|--|---|
|             | <b>OD</b>                           | <b>A</b> |  |   |
| 1"          | 1,125"                              | 1,50"    | PFCL45-10-304                                | PFCL45-10-316L                                |
| 1,50"       | 1,437"                              | 2,25"    | PFCL45-15-304                                | PFCL45-15-316L                                |
| 2,00"       | 1,750"                              | 3,00"    | PFCL45-20-304                                | PFCL45-20-316L                                |
| 2,50"       | 2,062"                              | 3,75"    | PFCL45-25-304                                | PFCL45-25-316L                                |
| 3,00"       | 2,375"                              | 4,50"    | PFCL45-30-304                                | PFCL45-30-316L                                |
| 4,00"       | 3,125"                              | 6,00"    | PFCL45-40-304                                | PFCL45-40-316L                                |
| 6,00"       | 4,625"                              | 9,00"    | PFCL45-60-304                                | PFCL45-60-316L                                |

Other diameters available upon request.

**90° ELBOWS, TRI-CLAMP®, POLISHED # 7, 3A APPROVED**  
MODEL PFCL90

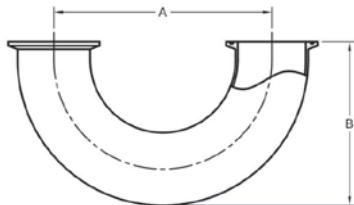


**TRI-CLAMP®**

| <b>SIZE</b> | <b>DIMENSIONS</b><br>as per diagram |          | <b>SERIES # B2CMP</b><br>Stainless Steel 304 | <b>SERIES # B2CMP</b><br>Stainless Steel 316L |
|-------------|-------------------------------------|----------|--|---|
|             | <b>OD</b>                           | <b>A</b> |  |   |
| 0,50"       | 1,625"                              | 1,125"   |  | PFCL90-050-316L                               |
| 0,75"       | 1,625"                              | 1,125"   |  | PFCL90-075-316L                               |
| 1,00"       | 2,00"                               | 1,50"    | PFCL90-10-304                                | PFCL90-10-316L                                |
| 1,50"       | 2,75"                               | 2,25"    | PFCL90-15-304                                | PFCL90-15-316L                                |
| 2,00"       | 3,50"                               | 3,00"    | PFCL90-20-304                                | PFCL90-20-316L                                |
| 2,50"       | 4,25"                               | 3,75"    | PFCL90-25-304                                | PFCL90-25-316L                                |
| 3,00"       | 5,00"                               | 4,50"    | PFCL90-30-304                                | PFCL90-30-316L                                |
| 4,00"       | 6,625"                              | 6,00"    | PFCL90-40-304                                | PFCL90-40-316L                                |
| 6,00"       | 9,875"                              | 9,00"    | PFCL90-60-304                                |   |

Other diameters available upon request.

**180° RETURN BENDS, TRI-CLAMP®, POLISHED # 7, 3A APPROVED**  
**MODEL PFCL180**

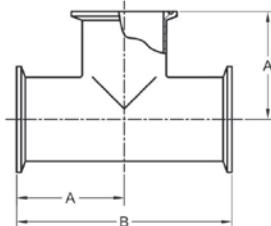


**TRI-CLAMP®**

| <b>SIZE</b> | <b>DIMENSIONS</b><br>as per diagram |          | <b>SERIES # B2WUMP</b><br>Stainless Steel 304 | <b>SERIES # B2WUMP</b><br>Stainless Steel 316L |
|-------------|-------------------------------------|----------|---|--|
|             | <b>OD</b>                           | <b>A</b> | <b>PART #</b>                                 | <b>PART #</b>                                  |
| 1"          | 3,000"                              | 2,500"   | PFCL180-10-304                                | PFCL180-10-316L                                |
| 1,50"       | 4,500"                              | 3,500"   | PFCL180-15-304                                | PFCL180-15-316L                                |
| 2,00"       | 6,000"                              | 4,500"   | PFCL180-20-304                                | PFCL180-20-316L                                |
| 2,50"       | 7,500"                              | 5,500"   |   |  |
| 3,00"       | 9,000"                              | 6,500"   |   |  |
| 4,00"       | 12,000"                             | 8,625"   |   |  |

Other diameters available upon request.

**LONG TEES, TRI-CLAMP®, POLISHED # 7, 3A APPROVED**  
**MODEL LTB7MP**



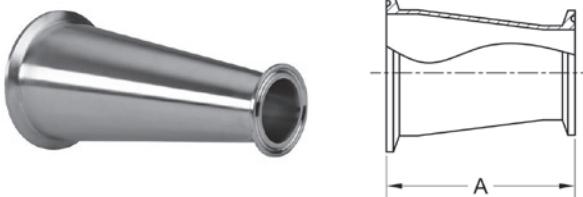
**TRI-CLAMP®**

| <b>SIZE</b> | <b>DIMENSIONS</b><br>as per diagram |          | <b>SERIES # B7MP</b><br>Stainless Steel 304 | <b>SERIES # B7MP</b><br>Stainless Steel 316L |
|-------------|-------------------------------------|----------|---|--|
|             | <b>OD</b>                           | <b>A</b> | <b>PART #</b>                               | <b>PART #</b>                                |
| 0,50"       | 2,375"                              | 4,750"   |   |  |
| 0,75"       | 2,500"                              | 5,000"   |   |  |
| 1,00"       | 2,375"                              | 4,750"   | LTB7MP-100-304                              | LTB7MP-100-316L                              |
| 1,50"       | 2,750"                              | 5,500"   | LTB7MP-150-304                              | LTB7MP-150-316L                              |
| 2,00"       | 3,500"                              | 7,000"   | LTB7MP-200-304                              | LTB7MP-200-316L                              |
| 2,50"       | 3,500"                              | 7,000"   | LTB7MP-250-304                              | LTB7MP-250-316L                              |
| 3,00"       | 3,750"                              | 7,500"   | LTB7MP-300-304                              | LTB7MP-300-316L                              |
| 4,00"       | 4,500"                              | 9,000"   | LTB7MP-400-304                              | LTB7MP-400-316L                              |
| 6,00"       | 6,500"                              | 13,000"  |   |  |

Other diameters available upon request.

**CONCENTRIC REDUCERS, TRI-CLAMP®, POLISHED # 7, 3A APPROVED  
MODEL 3114MP**

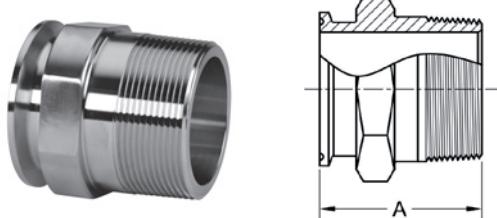
**TRI-CLAMP®**



| SIZE       | DIMENSIONS<br>as per diagram | SERIES # B3114MP<br>Stainless Steel 304 | SERIES # B3114MP<br>Stainless Steel 316L |
|------------|------------------------------|---|--|
| OD         | A                            | PART #                                  | PART #                                   |
| 1,5 x 1"   | 2,000"                       | 3114MP-15-10-4                          | 3114MP-15-10-6                           |
| 2 x 1"     | 4,000"                       | 3114MP-20-10-4                          | 3114MP-20-10-6                           |
| 2 x 1,5"   | 3,000"                       | 3114MP-20-15-4                          | 3114MP-20-15-6                           |
| 2,5 x 1"   | 7,000"                       | 3114MP-25-10-4                          | 3114MP-25-10-6                           |
| 2,5 x 1,5" | 4,000"                       | 3114MP-25-15-4                          | 3114MP-25-15-6                           |
| 2,5 x 2"   | 2,000"                       | 3114MP-25-20-4                          | 3114MP-25-20-6                           |
| 3 x 1"     | 9,000"                       |   | 3114MP-30-10-6                           |
| 3 x 1,5"   | 7,000"                       | 3114MP-30-15-4                          | 3114MP-30-15-6                           |
| 3 x 2"     | 4,000"                       | 3114MP-30-20-4                          | 3114MP-30-20-6                           |
| 3 x 2,5"   | 2,000"                       | 3114MP-30-25-4                          | 3114MP-30-25-6                           |
| 4 x 1"     | 13,000"                      |   | 3114MP-40-10-6                           |
| 4 x 1,5"   | 11,125"                      | 3114MP-40-15-4                          | 3114MP-40-15-6                           |
| 4 x 2"     | 8,000"                       | 3114MP-40-20-4                          | 3114MP-40-20-6                           |
| 4 x 2,5"   | 7,125"                       | 3114MP-40-25-4                          | 3114MP-40-25-6                           |
| 4 x 3"     | 4,000"                       | 3114MP-40-30-4                          | 3114MP-40-30-6                           |
| 6 x 4"     | 7,000"                       | 3114MP-60-40-4                          |  |

Other diameters available upon request.

**ADAPTERS, TRI-CLAMP® x NPTM, POLISHED # 7**  
**MODEL CA21MP**

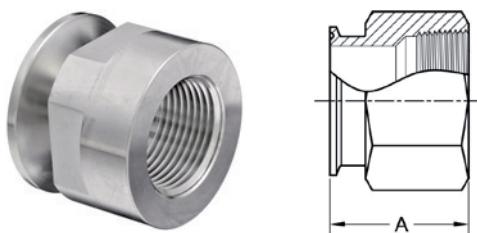


**TRI-CLAMP®**

| SIZE           | DIMENSIONS<br>as per diagram | SERIES # 21MP<br>Stainless Steel 304 | SERIES # 21MP<br>Stainless Steel 316L |
|----------------|------------------------------|--------------------------------------|---------------------------------------|
| OD (TC x NPTM) | A                            | PART #                               | PART #                                |
| 1 x 0,5"       | 2,190"                       |                                      | CA21MP-10-050-6                       |
| 1 x 0,75"      | 2,190"                       |                                      | CA21MP-10-075-6                       |
| 1 x 1"         | 2,250"                       |                                      | CA21MP-10-10-6                        |
| 1,5 x 0,25"    | 2,200"                       | CA21MP-15-025-4                      | CA21MP-15-025-6                       |
| 1,5 x 0,50"    | 2,150"                       | CA21MP-15-050-4                      | CA21MP-15-050-6                       |
| 1,5 x 0,75"    | 2,200"                       | CA21MP-15-075-4                      | CA21MP-15-075-6                       |
| 1,5 x 1"       | 2,250"                       | CA21MP-15-10-4                       | CA21MP-15-10-6                        |
| 1,5 x 1,5"     | 2,583"                       | CA21MP-15-15-4                       | CA21MP-15-15-6                        |
| 1,5 x 2 "      | 2,550"                       |                                      | CA21MP-15-20-6                        |
| 2 x 0,25"      | 2,250"                       | CA21MP-20-025-4                      | CA21MP-20-025-6                       |
| 2 x 0,50"      | 2,250"                       | CA21MP-20-050-4                      |                                       |
| 2 x 1"         | 2,450"                       | CA21MP-20-10-4                       |                                       |
| 2 x 1,5"       | 2,450"                       | CA21MP-20-15-4                       | CA21MP-20-15-6                        |
| 2 x 2"         | 2,638"                       | CA21MP-20-20-4                       | CA21MP-20-20-6                        |
| 2 x 2,5"       | 2,835"                       | CA21MP-20-25-4                       | CA21MP-20-25-6                        |
| 2,5 x 1,5"     | 2,750"                       |                                      | CA21MP-25-15-6                        |
| 2,5 x 2"       | 2,750"                       | CA21MP-25-20-4                       | CA21MP-25-20-6                        |
| 2,5 x 2,5"     | 2,874"                       | CA21MP-25-25-4                       | CA21MP-25-25-6                        |
| 3 x 1,5"       | 3,000"                       |                                      | CA21MP-30-15-6                        |
| 3 x 2"         | 2,550"                       |                                      | CA21MP-30-20-6                        |
| 3 x 2,5"       | 3,000"                       |                                      | CA21MP-30-25-6                        |
| 3 x 3"         | 3,000"                       | CA21MP-30-30-4                       | CA21MP-30-30-6                        |
| 4 x 3"         | 3,100"                       |                                      | CA21MP-40-30-6                        |

Other diameters available upon request.

**ADAPTERS, TRI-CLAMP® x NPTF, POLISHED # 7**  
**MODEL CAF22MP**

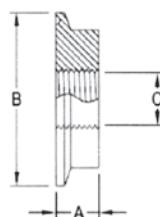


**TRI-CLAMP®**

| SIZE           | DIMENSIONS<br>as per diagram | SERIES # 22MP       |                      |
|----------------|------------------------------|---------------------|----------------------|
|                |                              | Stainless Steel 304 | Stainless Steel 316L |
| OD (TC x NPTF) | A                            | PART #              | PART #               |
| 1 x 0,50"      | 1,630"                       |                     | CAF22MP-10-050-6     |
| 1 x 0,75"      | 1,630"                       |                     | CAF22MP-10-075-6     |
| 1 x 1          | 1,630"                       |                     | CAF22MP-10-10-6      |
| 1,5 x 0,25"    | 1,630"                       |                     | CAF22MP-15-025-6     |
| 1,5 x 0,50"    | 1,630"                       |                     | CAF22MP-15-050-6     |
| 1,5 x 0,75"    | 1,630"                       |                     | CAF22MP-15-075-6     |
| 1,5 x 1"       | 1,630"                       |                     | CAF22MP-15-10-6      |
| 1,5 x 1,25"    | 1,700"                       |                     | CAF22MP-15-125-6     |
| 1,5 x 1,5"     | 2,250"                       |                     | CAF22MP-15-15-6      |
| 2 x 1"         | 1,700"                       |                     | CAF22MP-20-10-6      |
| 2 x 1,25"      | 1,750"                       |                     | CAF22MP-20-125-6     |
| 2 x 1,5"       | 1,750"                       |                     | CAF22MP-20-15-6      |
| 2 x 2"         | 2,300"                       |                     | CAF22MP-20-20-6      |
| 2,5 x 1,5"     | 1,700"                       |                     | CAF22MP-25-15-6      |
| 2,5 x 2"       | 1,700"                       |                     | CAF22MP-25-20-6      |
| 2,5 x 2,5"     | 2,100"                       |                     | CAF22MP-25-25-6      |
| 3 x 2"         | 2,000"                       |                     | CAF22MP-30-20-6      |
| 3 x 2,5"       | 2,200"                       |                     | CAF22MP-30-25-6      |
| 3 x 3"         | 2,200"                       |                     | CAF22MP-30-30-6      |
| 4 x 1,5"       | 2,200"                       |                     | CAF22MP-40-15-6      |
| 4 x 2"         | 2,200"                       |                     | CAF22MP-40-20-6      |
| 4 x 2,5"       | 2,200"                       |                     | CAF22MP-40-25-6      |
| 4 x 3"         | 2,200"                       |                     |                      |

Other diameters, threads and materials available on request.

**THERMOMETER CAPS, TRI-CLAMP® x NPTF, POLISHED # 7  
MODEL THCL**

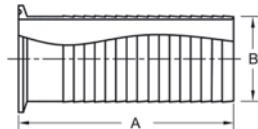


**TRI-CLAMP®**

| SIZE          | DIMENSIONS<br>as per diagram |        |           | <b>SERIES # 23BMP</b><br>Stainless Steel 316L | <b>PART #</b>   |
|---------------|------------------------------|--------|-----------|---|-----------------|
|               | A                            | B      | C         |   |                 |
| 1,00" & 1,50" | 0,625"                       | 1,984" | 1/4" NPTF |   | THCL150-25-316L |
| 1,00" & 1,50" | 0,625"                       | 1,984" | 1/2" NPTF |   | THCL150-50-316L |
| 2,00"         | 0,625"                       | 2,516" | 1/4" NPTF |   | THCL200-25-316L |
| 2,00"         | 0,625"                       | 2,516" | 1/2" NPTF |   | THCL200-50-316L |
| 2,50"         | 0,625"                       | 3,047" | 1/4" NPTF |   | THCL250-25-316L |
| 2,50"         | 0,625"                       | 3,047" | 1/2" NPTF |   | THCL250-50-316L |
| 3,00"         | 0,625"                       | 3,579" | 1/4" NPTF |   | THCL300-25-316L |
| 3,00"         | 0,625"                       | 3,579" | 1/2" NPTF |   | THCL300-50-316L |
| 4,00"         | 0,625"                       | 4,682" | 1/4" NPTF |   | THCL400-25-316L |
| 4,00"         | 0,625"                       | 4,682" | 1/2" NPTF |   | THCL400-50-316L |

Other diameters available upon request.

**ADAPTERS, TRI-CLAMP® x HOSE BARB, 3A APPROVED  
MODEL HB14MPHRL**

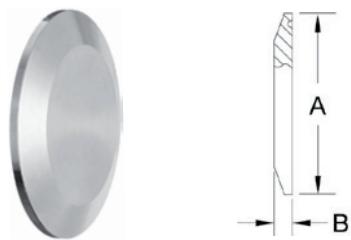


**TRI-CLAMP®**

| SIZE  | DIMENSIONS<br>as per diagram |        | <b>SERIES # 14MPHRL</b><br>Stainless Steel 316L | <b>PART #</b>    |
|-------|------------------------------|--------|---|------------------|
|       | OD                           | A      |   |                  |
| 1,00" | 3,500"                       | 1,030" |   | HB14MPHRL-100-6L |
| 1,50" | 5,000"                       | 1,530" |   | HB14MPHRL-150-6L |
| 2,00" | 5,000"                       | 2,030" |   | HB14MPHRL-200-6L |
| 2,50" | 5,500"                       | 2,530" |   | HB14MPHRL-250-6L |
| 3,00" | 5,500"                       | 3,030" |   | HB14MPHRL-300-6L |
| 4,00" | 5,500"                       | 4,030" |   | HB14MPHRL-400-6L |
| 6,00" | 5,500"                       | 6,00"  |   | HB14MPHRL-600-6L |

Other diameters available upon request.

**SOLID END CAPS, POLISHED # 7, 3A APPROVED**  
**MODEL CAP**

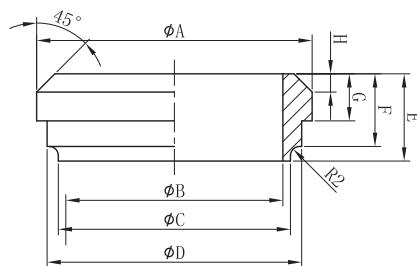


**TRI-CLAMP®**

| SIZE          | DIMENSIONS<br>as per diagram |        | SERIES # 16AMP<br>Stainless Steel 304 | SERIES # 16AMP<br>Stainless Steel 316L |
|---------------|------------------------------|--------|---------------------------------------|--|
|               | A                            | B      |                                       |  |
| 0,50" & 0,75" | 0,992"                       | 0,187" | CAP050-304                            | CAP050-316L                            |
| 1,00" & 1,50" | 1,984"                       | 0,250" | CAP150-304                            | CAP150-316L                            |
| 2,00"         | 2,516"                       | 0,250" | CAP200-304                            | CAP200-316L                            |
| 2,50"         | 3,047"                       | 0,250" | CAP250-304                            | CAP250-316L                            |
| 3,00"         | 3,579"                       | 0,250" | CAP300-304                            | CAP300-316L                            |
| 4,00"         | 4,682"                       | 0,250" | CAP400-304                            | CAP400-316L                            |
| 6,00"         | 6,570"                       | 0,437" | CAP600-304                            | CAP600-316L                            |
| 8,00"         | 8,600"                       | 0,437" | CAP800-304                            |  |

Other diameters available upon request.

**SHORT PLAIN BEVEL SEAT WELD FERRULES, POLISHED #7, 3A APPROVED**  
**MODEL 14PRF**

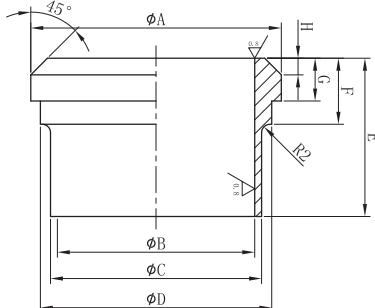


**BEVEL**

| SIZE  | DIMENSIONS<br>as per diagram |        |        |        |        |        |        |        | SERIES # 14PRF<br>Stainless Steel 304 |
|-------|------------------------------|--------|--------|--------|--------|--------|--------|--------|---------------------------------------|
|       | OD                           | A      | B      | C      | D      | E      | F      | G      | H                                     |
| 2,00" | 2,374"                       | 1,870" | 2,000" | 2,193" | 0,752" | 0,626" | 0,406" | 0,157" | SS14PRF-200-304                       |
| 2,50" | 2,906"                       | 2,370" | 2,500" | 2,709" | 0,878" | 0,657" | 0,437" | 0,173" | SS14PRF-250-304                       |
| 3,00" | 3,437"                       | 2,870" | 3,000" | 3,224" | 0,909" | 0,720" | 0,469" | 0,189" | SS14PRF-300-304                       |
| 4,00" | 4,500"                       | 3,835" | 4,000" | 4,256" | 1,031" | 0,811" | 0,563" | 0,220" | SS14PRF-400-304                       |

Other diameters and materials available upon request.

**LONG PLAIN BEVEL SEAT WELD FERRULES, POLISHED #7, 3A APPROVED**  
**MODEL 14A**

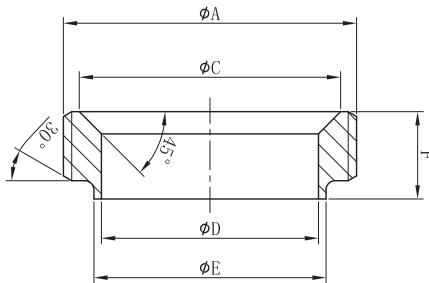


**BEVEL**

| SIZE  | DIMENSIONS<br>as per diagram |        |        |        |        |        |        |        | SERIES # 14A<br>Stainless Steel 304 |
|-------|------------------------------|--------|--------|--------|--------|--------|--------|--------|-------------------------------------|
|       | OD                           | A      | B      | C      | D      | E      | F      | G      | H                                   |
| 2,00" | 2,374"                       | 1,870" | 2,000" | 2,193" | 1,500" | 0,626" | 0,405" | 0,157" | SS14A-200-304                       |
| 2,50" | 2,906"                       | 2,370" | 2,500" | 2,709" | 1,752" | 0,657" | 0,437" | 0,173" | SS14A-250-304                       |
| 3,00" | 3,437"                       | 2,870" | 3,000" | 3,224" | 1,752" | 0,720" | 0,469" | 0,189" | SS14A-300-304                       |

Other diameters and materials available upon request.

**SHORT THREADED BEVEL SEAT WELD FERRULES, POLISHED #7, 3A APPROVED**  
**MODEL 15TRF**



**BEVEL**

**SIZE**

**DIMENSIONS**  
as per diagram

**SERIES # 15TRF**

Stainless Steel 304

**OD**

1,50"

2,00"

2,50"

3,00"

4,00"

A

C

D

E

F

**PART #**

SS15TRF-150-304

SS15TRF-200-304

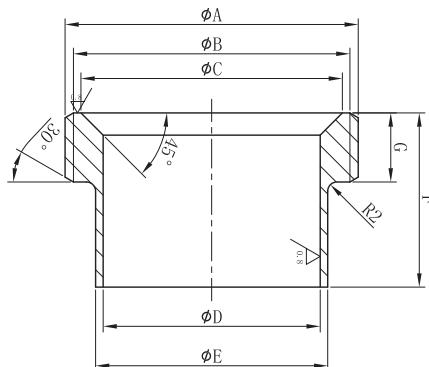
SS15TRF-250-304

SS15TRF-300-304

SS15TRF-400-304

Other diameters and materials available upon request.

**LONG THREADED BEVEL SEAT WELD FERRULES, POLISHED #7, 3A APPROVED**  
**MODEL 15A**



**BEVEL**

**SIZE**

**DIMENSIONS**  
as per diagram

**SERIES # 15A**  
Stainless Steel 304

**OD**

1,50"

2,00"

2,50"

3,00"

A

B

C

D

E

F

G

**PART #**

SS15A-150-304

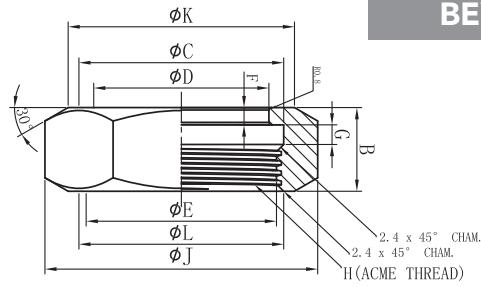
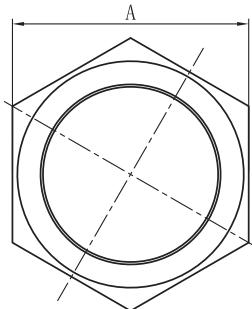
SS15A-200-304

SS15A-250-304

SS15A-300-304

Other diameters and materials available upon request.

**BEVEL SEAT UNION HEX NUT, POLISHED #7, 3A APPROVED  
MODEL 13H**

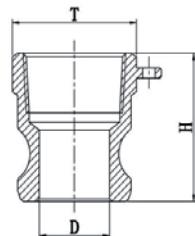


**BEVEL**

| SIZE  | DIMENSIONS<br>as per diagram |        |        |        |        |        |        |    |        |        |        |   | SERIES # 13H<br>Stainless Steel 304 |
|-------|------------------------------|--------|--------|--------|--------|--------|--------|----|--------|--------|--------|---|-------------------------------------|
|       | OD                           | A      | B      | C      | D      | E      | F      | G  | H      | J      | K      | L |                                     |
| 1,50" | 2,406"                       | 0,969" | 2,079" | 1,709" | 1,884" | 0,220" | 0,250" | 8T | 2,780" | 2,281" | 2,030" |   | BS13H-150-304                       |
| 2,00" | 3,000"                       | 1,063" | 2,600" | 2,224" | 2,417" | 0,220" | 0,250" | 8T | 3,465" | 2,874" | 2,561" |   | BS13H-200-304                       |
| 2,50" | 3,595"                       | 1,189" | 3,142" | 2,740" | 2,949" | 0,220" | 0,250" | 8T | 4,150" | 3,469" | 3,094" |   | BS13H-250-304                       |
| 3,00" | 4,189"                       | 1,281" | 3,675" | 3,256" | 3,496" | 0,250" | 0,250" | 8T | 4,835" | 4,063" | 3,626" |   | BS13H-300-304                       |
| 4,00" | 5,421"                       | 1,500" | 4,780" | 4,287" | 4,543" | 0,250" | 0,377" | 6T | 6,260" | 5,280" | 4,728" |   | BS13H-400-304                       |

Other diameters and materials available upon request.

**CAMLOCK COUPLINGS, TYPE A**  
MODEL CAMA

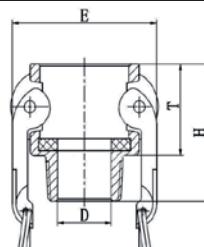


**CAMLOCK**

| SIZE  | DIMENSIONS<br>as per diagram |        |        |   | SERIES CAMA<br>Stainless Steel 304 | SERIES CAMA<br>Stainless Steel 316L |
|-------|------------------------------|--------|--------|---|------------------------------------|-------------------------------------|
|       | OD                           | T      | H      | D |                                    |                                     |
| 0,5"  | 0,976"                       | 1,346" | 0,591" |   |                                    | CAMA-050-6L                         |
| 0,75" | 1,272"                       | 1,551" | 0,819" |   |                                    | CAMA-075-6L                         |
| 1,00" | 1,504"                       | 1,772" | 1,000" |   |                                    | CAMA-100-6L                         |
| 1,25" | 1,890"                       | 2,106" | 1,220" |   |                                    | CAMA-125-6L                         |
| 1,50" | 2,114"                       | 1,988" | 1,575" |   |                                    | CAMA-150-6L                         |
| 2,00" | 2,583"                       | 2,236" | 1,890" |   |                                    | CAMA-200-6L                         |
| 2,50" | 3,217"                       | 2,795" | 2,362" |   |                                    |                                     |
| 3,00" | 3,724"                       | 2,756" | 3,059" |   |                                    | CAMA-300-6L                         |
| 4,00" | 4,764"                       | 2,717" | 4,106" |   |                                    | CAMA-400-6L                         |

Other diameters and materials available on request.

**CAMLOCK COUPLINGS, TYPE B**  
MODEL CAMB



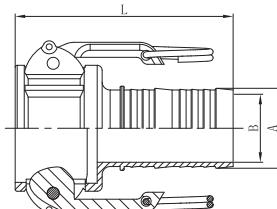
**CAMLOCK**

| SIZE  | DIMENSIONS<br>as per diagram |        |        |        |   | SERIES CAMB<br>Stainless Steel 304 | SERIES CAMB<br>Stainless Steel 316L |
|-------|------------------------------|--------|--------|--------|---|------------------------------------|-------------------------------------|
|       | OD                           | E      | T      | H      | D |                                    |                                     |
| 0,5"  | 1,673"                       | 1,130" | 1,752" | 0,571" |   |                                    | CAMB-050-6L                         |
| 0,75" | 2,047"                       | 1,339" | 1,988" | 0,795" |   |                                    | CAMB-075-6L                         |
| 1,00" | 2,362"                       | 1,496" | 2,264" | 0,984" |   |                                    | CAMB-100-6L                         |
| 1,25" | 2,933"                       | 1,772" | 2,571" | 1,299" |   |                                    | CAMB-125-6L                         |
| 1,50" | 3,244"                       | 1,748" | 2,539" | 1,614" |   |                                    | CAMB-150-6L                         |
| 2,00" | 3,622"                       | 1,949" | 2,783" | 2,047" |   |                                    | CAMB-200-6L                         |
| 2,50" | 4,173"                       | 2,047" | 3,091" | 2,575" |   |                                    |                                     |
| 3,00" | 5,118"                       | 2,165" | 3,307" | 2,953" |   |                                    |                                     |
| 4,00" | 6,220"                       | 2,205" | 3,417" | 4,016" |   |                                    |                                     |

EPDM gasket included.

Other diameters and materials available on request.

**CAMLOCK COUPLINGS, TYPE C, 6 SHANKS**  
MODEL CAMC



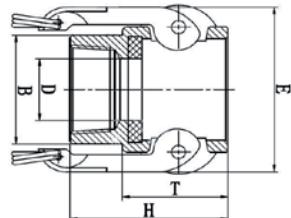
**CAMLOCK**

| SIZE  | DIMENSIONS<br>as per diagram |        |   | SERIES CAMC<br>Stainless Steel 304 | PART # | SERIES CAMC<br>Stainless Steel 316L |
|-------|------------------------------|--------|---|------------------------------------|--------|-------------------------------------|
|       | OD                           | A      | B |                                    |        |                                     |
| 0,5"  | 0,551"                       | 0,335" |   | 2,776"                             |        | CAMC-050-6S-6L                      |
| 0,75" | 0,807"                       | 0,571" |   | 3,130"                             |        | CAMC-075-6S-6L                      |
| 1,00" | 1,063"                       | 0,787" |   | 3,701"                             |        | CAMC-100-6S-6L                      |
| 1,25" | 1,280"                       | 1,043" |   | 4,094"                             |        | CAMC-125-6S-6L                      |
| 1,50" | 1,575"                       | 1,339" |   | 4,291"                             |        | CAMC-150-6S-6L                      |
| 2,00" | 2,067"                       | 1,831" |   | 4,961"                             |        | CAMC-200-6S-6L                      |
| 2,50" |                              |        |   |                                    |        |                                     |
| 3,00" | 3,070"                       | 2,756" |   | 5,709"                             |        | CAMC-300-6S-6L                      |
| 4,00" |                              |        |   |                                    |        |                                     |

EPDM gasket included.

Other diameters and materials available on request.

**CAMLOCK COUPLINGS, TYPE D**  
MODEL CAMD



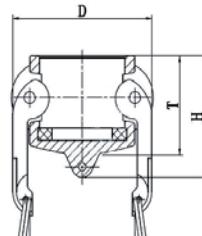
**CAMLOCK**

| SIZE  | DIMENSIONS<br>as per diagram |        |        |        |        | SERIES CAMD<br>Stainless Steel 304 | PART # | SERIES CAMD<br>Stainless Steel 316L |
|-------|------------------------------|--------|--------|--------|--------|------------------------------------|--------|-------------------------------------|
|       | OD                           | E      | T      | H      | D      |                                    |        |                                     |
| 0,5"  | 1,673"                       | 1,161" | 1,752" | 0,579" | 1,004" |                                    |        | CAMD-050-6L                         |
| 0,75" | 2,047"                       | 1,339" | 1,929" | 0,768" | 1,220" |                                    |        | CAMD-075-6L                         |
| 1,00" | 2,390"                       | 1,508" | 2,303" | 0,984" | 1,457" |                                    |        | CAMD-100-6L                         |
| 1,25" | 2,913"                       | 1,772" | 2,480" | 1,181" | 1,831" |                                    |        | CAMD-125-6L                         |
| 1,50" | 3,287"                       | 1,764" | 2,598" | 1,555" | 2,071" |                                    |        | CAMD-150-6L                         |
| 2,00" | 3,661"                       | 1,969" | 2,835" | 1,929" | 2,512" |                                    |        | CAMD-200-6L                         |
| 2,50" | 4,331"                       | 2,047" | 3,150" | 2,244" | 3,150" |                                    |        |                                     |
| 3,00" | 5,236"                       | 2,185" | 3,287" | 2,992" | 3,701" |                                    |        | CAMD-300-6L                         |
| 4,00" | 6,339"                       | 2,224" | 3,465" | 3,583" | 4,724" |                                    |        |                                     |

EPDM gasket included.

Other diameters and materials available on request.

**CAMLOCK COUPLINGS, TYPE DC**  
MODEL CAMDC



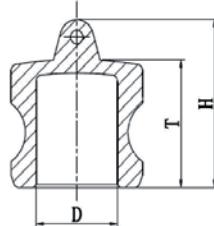
**CAMLOCK**

| SIZE  | DIMENSIONS<br>as per diagram |        |        |   | SERIES CAMDC<br>Stainless Steel 304 | SERIES CAMDC<br>Stainless Steel 316L |
|-------|------------------------------|--------|--------|---|-------------------------------------|--------------------------------------|
|       | OD                           | T      | H      | D |                                     |                                      |
| 0,5"  | 1,299"                       | 1,496" | 1,673" |   |                                     | CAMDC-050-6L                         |
| 0,75" | 1,449"                       | 1,811" | 2,035" |   |                                     | CAMDC-075-6L                         |
| 1,00" | 1,732"                       | 2,047" | 2,362" |   |                                     | CAMDC-100-6L                         |
| 1,25" | 1,969"                       | 2,283" | 2,913" |   |                                     | CAMDC-125-6L                         |
| 1,50" | 1,969"                       | 2,283" | 3,209" |   |                                     | CAMDC-150-6L                         |
| 2,00" | 2,244"                       | 2,598" | 3,622" |   |                                     | CAMDC-200-6L                         |
| 2,50" | 2,343"                       | 2,756" | 4,114" |   |                                     |                                      |
| 3,00" | 2,441"                       | 2,835" | 4,224" |   |                                     | CAMDC-300-6L                         |
| 4,00" | 2,480"                       | 2,953" | 6,043" |   |                                     |                                      |

EPDM gasket included.

Other diameters and materials available on request.

**CAMLOCK COUPLINGS, TYPE DP**  
MODEL CAMDP

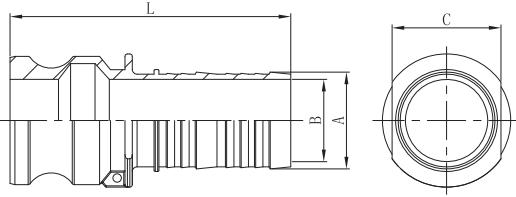


**CAMLOCK**

| SIZE  | DIMENSIONS<br>as per diagram |        |        |   | SERIES CAMDP<br>Stainless Steel 304 | SERIES CAMDP<br>Stainless Steel 316L |
|-------|------------------------------|--------|--------|---|-------------------------------------|--------------------------------------|
|       | OD                           | T      | H      | D |                                     |                                      |
| 0,5"  | 1,083"                       | 1,409" | 0,610" |   |                                     | CAMDP-050-6L                         |
| 0,75" | 1,181"                       | 1,496" | 0,866" |   |                                     | CAMDP-075-6L                         |
| 1,00" | 1,358"                       | 1,713" | 1,024" |   |                                     | CAMDP-100-6L                         |
| 1,25" | 1,673"                       | 2,008" | 1,220" |   |                                     | CAMDP-125-6L                         |
| 1,50" | 1,732"                       | 2,028" | 1,496" |   |                                     | CAMDP-150-6L                         |
| 2,00" | 1,969"                       | 2,362" | 1,870" |   |                                     | CAMDP-200-6L                         |
| 2,50" | 1,969"                       | 2,402" | 2,362" |   |                                     |                                      |
| 3,00" | 2,228"                       | 2,677" | 3,024" |   |                                     | CAMDP-300-6L                         |
| 4,00" | 2,303"                       | 2,717" | 4,055" |   |                                     |                                      |

Other diameters and materials available on request.

**CAMLOCK COUPLINGS, TYPE E, 6 SHANKS**  
MODEL CAME

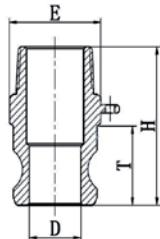


**CAMLOCK**

| SIZE  | DIMENSIONS<br>as per diagram |        |        |        | SERIES CAME<br>Stainless Steel 304 | SERIES CAME<br>Stainless Steel 316L |
|-------|------------------------------|--------|--------|--------|------------------------------------|-------------------------------------|
|       | OD                           | A      | B      | C      | L                                  | PART #                              |
| 0,5"  | 0,551"                       | 0,335" | 0,709" | 2,953" |                                    | CAME-050-6S-6L                      |
| 0,75" | 0,807"                       | 0,571" | 0,945" | 3,366" |                                    | CAME-075-6S-6L                      |
| 1,00" | 1,063"                       | 0,787" | 1,260" | 3,976" |                                    | CAME-100-6S-6L                      |
| 1,25" | 1,280"                       | 1,043" | 1,457" | 4,390" |                                    | CAME-125-6S-6L                      |
| 1,50" | 1,575"                       | 1,339" | 1,772" | 4,567" |                                    | CAME-150-6S-6L                      |
| 2,00" | 2,067"                       | 1,831" | 2,126" | 5,394" |                                    | CAME-200-6S-6L                      |
| 2,50" |                              |        |        |        |                                    |                                     |
| 3,00" | 2,992"                       | 2,736" | 3,051" | 6,062" |                                    | CAME-300-6S-6L                      |
| 4,00" |                              |        |        |        |                                    |                                     |

Other diameters and materials available on request.

**CAMLOCK COUPLINGS, TYPE F**  
MODEL CAMF



**CAMLOCK**

| SIZE  | DIMENSIONS<br>as per diagram |        |        |        | SERIES CAMF<br>Stainless Steel 304 | SERIES CAMF<br>Stainless Steel 316L |
|-------|------------------------------|--------|--------|--------|------------------------------------|-------------------------------------|
|       | OD                           | E      | H      | D      | T                                  | PART #                              |
| 0,5"  | 0,965"                       | 2,008" | 0,591" | 1,083" |                                    | CAMF-050-6L                         |
| 0,75" | 1,260"                       | 2,087" | 0,846" | 1,299" |                                    | CAMF-075-6L                         |
| 1,00" | 1,449"                       | 2,433" | 0,984" | 1,299" |                                    | CAMF-100-6L                         |
| 1,25" | 1,799"                       | 2,835" | 1,220" | 1,594" |                                    | CAMF-125-6L                         |
| 1,50" | 2,126"                       | 2,933" | 1,555" | 1,614" |                                    | CAMF-150-6L                         |
| 2,00" | 2,500"                       | 3,051" | 1,909" | 1,732" |                                    | CAMF-200-6L                         |
| 2,50" | 3,004"                       | 3,524" | 2,402" | 1,890" |                                    | CAMF-250-6L                         |
| 3,00" | 3,583"                       | 3,752" | 2,965" | 1,969" |                                    | CAMF-300-6L                         |
| 4,00" | 4,705"                       | 3,996" | 4,055" | 2,008" |                                    |                                     |

Other diameters and materials available on request.

# Sanitary / SS Valves & Related Products



**PITANCO**  
PRÉCISION

ISO 9001

**BALL VALVES, NPT, 1000 WOG, FULL PORT, LOCKABLE HANDLE, CRN APPROVED  
MODEL R600**

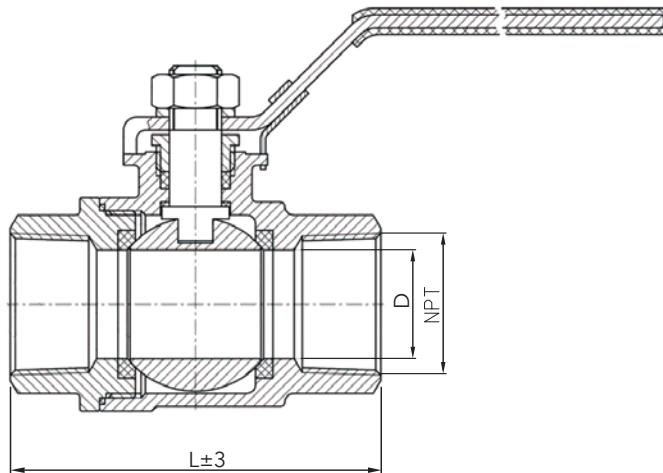
NPT



SERIES # R600



SERIES # R600HD

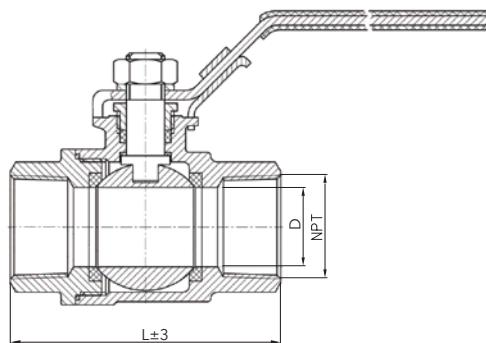


| SIZE   | DIMENSIONS<br>as per diagram |         |   | SERIES # R600<br>Stainless Steel 304 | SERIES # R600HD<br>Stainless Steel 316L – HEAVY DUTY |
|--------|------------------------------|---------|---|--------------------------------------|--|
|        | OD                           | D       | L |                                      |  |
| 0,25"  | 0,3937"                      | 2,1654" |   | R600-0250-4                          | R600HD-0250-6L                                       |
| 0,375" | 0,4724"                      | 2,1654" |   | R600-0375-4                          | R600HD-0375-6L                                       |
| 0,50"  | 0,5906"                      | 2,1654" |   | R600-0500-4                          | R600HD-0500-6L                                       |
| 0,75"  | 0,7874"                      | 2,4409" |   | R600-0750-4                          | R600HD-0750-6L                                       |
| 1,00"  | 0,9843"                      | 2,9528" |   | R600-1000-4                          | R600HD-1000-6L                                       |
| 1,25"  | 1,2598"                      | 3,3661" |   | R600-1250-4                          | R600HD-1250-6L                                       |
| 1,50"  | 1,4961"                      | 3,8189" |   | R600-1500-4                          | R600HD-1500-6L                                       |
| 2,00"  | 1,9291"                      | 4,2126" |   | R600-2000-4                          | R600HD-2000-6L                                       |
| 2,50"  | 2,5197"                      | 5,6693" |   | R600-2500-4                          | R600HD-2500-6L                                       |
| 3,00"  | 3,1102"                      | 6,6535" |   | R600-3000-4                          | R600HD-3000-6L                                       |

Other thread available on request.

**BALL VALVES, NPT, 2000 WOG, FULL PORT, LOCKABLE HANDLE, CRN APPROVED**  
MODEL R602

NPT

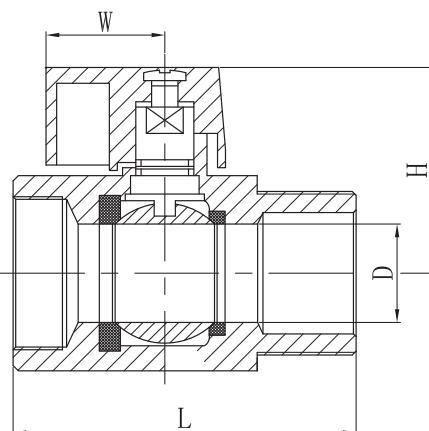


| SIZE   | DIMENSIONS<br>as per diagram |         |   | SERIES # R602<br>Stainless Steel 304 | SERIES # R602<br>Stainless Steel 316L |
|--------|------------------------------|---------|---|--------------------------------------|---------------------------------------|
|        | OD                           | D       | L |                                      |                                       |
| 0,25"  | 0,3937"                      | 2,1062" |   | R602-0250-4                          | R602-0250-6                           |
| 0,375" | 0,4724"                      | 2,1260" |   | R602-0375-4                          | R602-0375-6                           |
| 0,50"  | 0,5906"                      | 2,9528" |   | R602-0500-4                          | R602-0500-6                           |
| 0,75"  | 0,7874"                      | 3,1496" |   | R602-0750-4                          | R602-0750-6                           |
| 1,00"  | 0,9843"                      | 3,5039" |   | R602-1000-4                          | R602-1000-6                           |
| 1,25"  | 1,2598"                      | 4,252"  |   | R602-1250-4                          | R602-1250-6                           |
| 1,50"  | 1,4961"                      | 4,6850" |   | R602-1500-4                          | R602-1500-6                           |
| 2,00"  | 1,9291"                      | 5,4724" |   | R602-2000-4                          | R602-2000-6                           |
| 2,50"  | 2,5590"                      | 6,378"  |   | R602-2500-4                          | R602-2500-6                           |
| 3,00"  | 3,1102"                      | 6,6929" |   | R602-3000-4                          | R602-3000-6                           |

Other diameters available upon request.

**MINI BALL VALVES, NPTF x NPTM, 1000 WOG, CRN APPROVED**  
MODEL MBVSS25

NPT

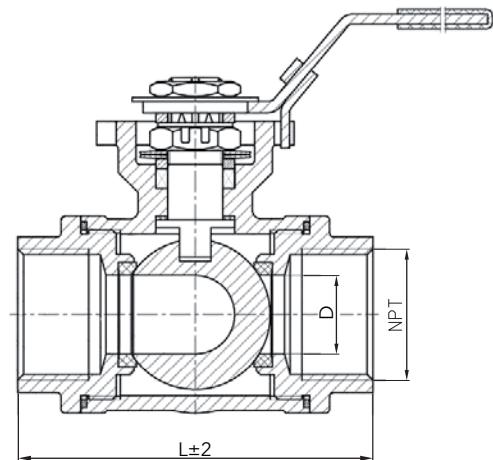
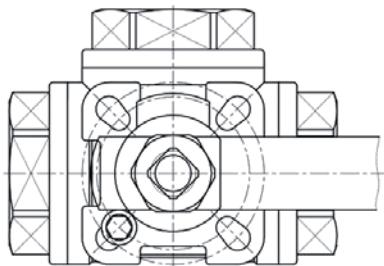


| SIZE  | DIMENSIONS<br>as per diagram |         |         |         |         | SERIES # MBVSS25<br>Stainless Steel 304 | SERIES # MBVSS25<br>Stainless Steel 316L |
|-------|------------------------------|---------|---------|---------|---------|---|--|
|       | OD                           | L       | D       | H       | W       | PART #                                  | PART #                                   |
| 0,25" | 1,6535"                      | 0,2756" | 1,0236" | 0,9055" | 0,9055" | MBVSS25-4                               | MBVSS25-6L                               |

Other thread available on request.

**3 WAY L PORT BALL VALVES, NPT, 1000 WOG, REDUCED PORT, LOCKABLE HANDLE,  
ISO MOUNT, CRN APPROVED  
MODEL BV3W**

NPT



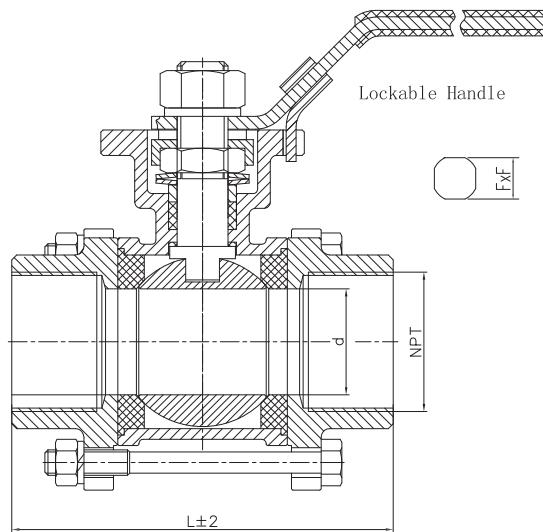
| SIZE  | DIMENSIONS<br>as per diagram |         |      |                         | SERIES # BV3W<br>Stainless Steel 316L |
|-------|------------------------------|---------|------|-------------------------|---------------------------------------|
|       | OD                           | d       | L    | BREAK TORQUE<br>Inch/lb |                                       |
| 0,50" | 0,3937"                      | 2,7953" | 80   | F03/F04                 | BV3W-050-316L                         |
| 0,75" | 0,5906"                      | 3,3071" | 100  | F04/F05                 | BV3W-075-316L                         |
| 1,00" | 0,7087"                      | 3,4646" | 200  | F04/F05                 | BV3W-100-316L                         |
| 1,25" | 0,9449"                      | 4,6063" | 315  | F04/F05                 | BV3W-125-316L                         |
| 1,50" | 1,2598"                      | 5,2559" | 400  | F05/F07                 | BV3W-150-316L                         |
| 2,00" | 1,4961"                      | 5,7874" | 550  | F05/F07                 | BV3W-200-316L                         |
| 2,50" | 1,9291"                      | 6,5354" | 900  | F07/F10                 | BV3W-250-316L                         |
| 3,00" | 2,5590"                      | 9,4094" | 1200 | F07/F10                 | BV3W-300-316L                         |

Other thread available on request.

**BALL VALVES, 3 PIECES, NPT, 1000 WOG, FULL PORT,  
LOCKABLE HANDLE, ISO MOUNT, CRN APPROVED  
MODEL R801NPT**

**NEW! AVAILABLE  
IN APRIL 2024**

**NPT**

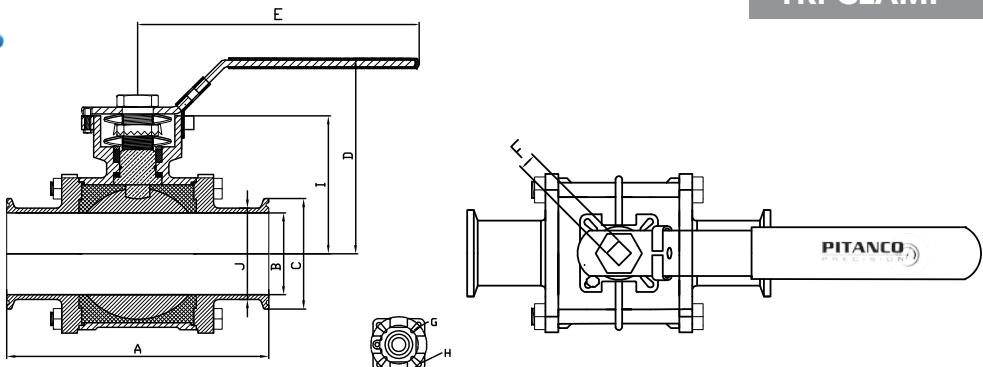


| SIZE   | DIMENSIONS AS PER DIAGRAM |         |           |                    |                         |         |          | SERIES # R801NPT<br>Stainless Steel 316L |
|--------|---------------------------|---------|-----------|--------------------|-------------------------|---------|----------|--|
|        | OD                        | d       | L         | PNEUMATIC ACTUATOR | BREAK TORQUE<br>Inch/lb | FxF     | ISO 5211 |  |
|        |                           |         |           | Double acting      | Spring return           |         |          | PART #                                   |
| 0,25"  | 0,3937"                   | 2,7165" | PPAT52DA  | PPAT52SR           | 50                      | 9x9mm   | F03/F04  | R801NPT-0250-6L                          |
| 0,375" | 0,3937"                   | 2,7165" | PPAT52DA  | PPAT52SR           | 50                      | 9x9mm   | F03/F04  | R801NPT-0375-6L                          |
| 0,50"  | 0,5906"                   | 2,7165" | PPAT52DA  | PPAT52SR           | 50                      | 9x9mm   | F03/F04  | R801NPT-050-6L                           |
| 0,75"  | 0,7874"                   | 2,9921" | PPAT52DA  | PPAT52SR           | 70                      | 9x9mm   | F03/F04  | R801NPT-075-6L                           |
| 1,00"  | 0,9843"                   | 3,3465" | PPAT63DA  | PPAT75SR           | 100                     | 11x11mm | F04/F05  | R801NPT-100-6L                           |
| 1,25"  | 1,2598"                   | 3,8583" | PPAT75DA  | PPAT83SR           | 150                     | 11x11mm | F04/F05  | R801NPT-125-6L                           |
| 1,50"  | 1,4960"                   | 4,3110" | PPAT83DA  | PPAT92SR           | 225                     | 14x14mm | F05/F07  | R801NPT-150-6L                           |
| 2,00"  | 1,9291"                   | 5,1181" | PPAT83DA  | PPAT92SR           | 325                     | 14x14mm | F05/F07  | R801NPT-200-6L                           |
| 2,50"  | 2,5590"                   | 6,4961" | PPAT105DA | PPAT125SR          | 710                     | 17x17mm | F07/F10  | R801NPT-250-6L                           |
| 3,00"  | 3,0709"                   | 7,6378" | PPAT125DA | PPAT140SR          | 725                     | 17x17mm | F07/F10  | R801NPT-300-6L                           |
| 4,00"  | 3,8583"                   | 9,8425" | PPAT125DA | PPAT140SR          | 1400                    | 17x17mm | F07/F10  | R801NPT-400-6L                           |

Other sizes available upon request.

**BALL VALVES, 3 PIECES, TRI-CLAMP®, ENCAPSULATED, 1000 WOG, FULL PORT,  
LOCKABLE HANDLE, ISO MOUNT, 3A APPROVED, CRN APPROVED  
MODEL R801CL**

**TRI-CLAMP®**



| SIZE  | DIMENSIONS AS PER DIAGRAM |        |        |        |         |      |     |     |        |        |      |                            | <b>SERIES # R801CL</b><br>Stainless Steel 316L |
|-------|---------------------------|--------|--------|--------|---------|------|-----|-----|--------|--------|------|----------------------------|--|
|       | OD                        | B      | C      | A      | D       | E    | F   | G   | H      | I      | J    | BREAK<br>TORQUE<br>Inch/lb |  |
| 0,50" | 0,370"                    | 1,004" | 3,563" | 2,520" | 5,157"  | 9mm  |     | F04 | 1,457" | 0,590" | 80   |                            | R801CL-050-6L                                  |
| 0,75" | 0,620"                    | 1,004" | 4,071" | 2,677" | 5,157"  | 9mm  |     | F04 | 1,693" | 0,748" | 85   |                            | R801CL-075-6L                                  |
| 1,00" | 0,870"                    | 1,988" | 4,496" | 3,386" | 6,654"  | 11mm |     | F05 | 2,008" | 1,142" | 120  |                            | R801CL-100-6L                                  |
| 1,50" | 1,370"                    | 1,988" | 5,382" | 4,823" | 8,386"  | 14mm |     | F07 | 2,795" | 1,535" | 230  |                            | R801CL-150-6L                                  |
| 2,00" | 1,870"                    | 2,520" | 6,031" | 4,823" | 8,386"  | 17mm |     | F07 | 3,110" | 2,126" | 450  |                            | R801CL-200-6L                                  |
| 2,50" | 2,370"                    | 3,051" | 6,587" | 5,492" | 8,386"  | 17mm |     | F07 | 3,700" | 2,638" | 600  |                            | R801CL-250-6L                                  |
| 3,00" | 2,870"                    | 3,583" | 7,571" | 6,496" | 12,598" | 27mm | F07 | F10 | 4,311" | 3,110" | 1050 |                            | R801CL-300-6L                                  |

Other sizes available upon request.

**PTFE (TEFLON) SEATS REPLACEMENT KIT, FDA APPROVED  
MODEL RKR801**



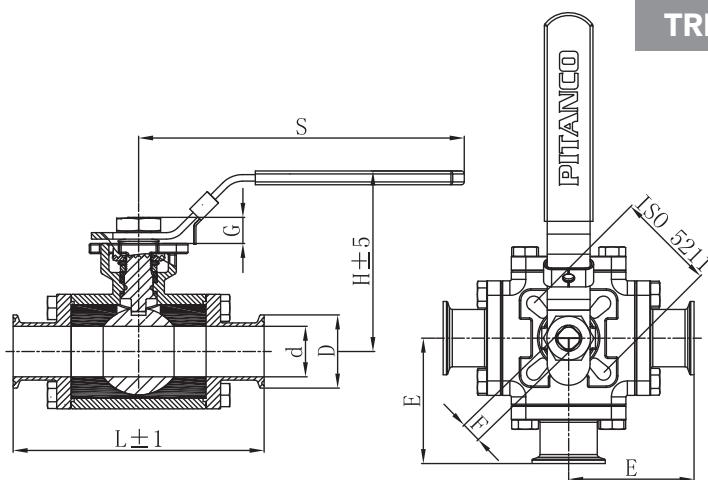
| SIZE  | FOR BALL VALVE R801CL<br>(ENCAPSULATED) |                 |
|-------|---|-----------------|
|       | OD                                      | PART #          |
| 0,50" |   | RKR801-050-PTFE |
| 0,75" |   | RKR801-075-PTFE |
| 1,00" |   | RKR801-100-PTFE |
| 1,25" |   | RKR801-125-PTFE |
| 1,50" |   | RKR801-150-PTFE |
| 2,00" |   | RKR801-200-PTFE |
| 2,50" |   | RKR801-250-PTFE |
| 3,00" |   | RKR801-300-PTFE |

Other sizes available upon request.

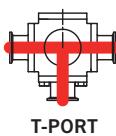
**3 WAY BALL VALVES, TRI-CLAMP®, ENCAPSULATED, 1000 WOG, T OR L PORT,  
FULL PORT, LOCKABLE HANDLE, ISO MOUNT, 3A APPROVED, CRN APPROVED  
MODEL DR801CL**



TRI-CLAMP®



| L-PORT - FLOW DIRECTION |    |    |    |
|-------------------------|----|----|----|
| #1                      | #2 | #3 | #4 |
|                         |    |    |    |



| T-PORT - FLOW DIRECTION |    |    |    |
|-------------------------|----|----|----|
| #1                      | #2 | #3 | #4 |
|                         |    |    |    |

| SIZE  | DIMENSIONS AS PER DIAGRAM |           |           |           |           |           |         |         |         | SERIES # DR801CL<br>Stainless Steel 316L |                    |
|-------|---------------------------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|--|--------------------|
|       | OD                        | L<br>±0.5 | d<br>±0.1 | D<br>±0.1 | E<br>±0.5 | F<br>-0.1 | H<br>±5 | S<br>±5 | G<br>±1 | BREAK<br>TORQUE<br>Inch/lb               | ISO<br>5211        |
| 0,50" | 4,173"                    | 0,370"    | 0,992"    | 2,087"    | 9mm       | 3,504"    | 6,654"  | 12mm    | 90      | F04                                      | DR801CL-050-6L-(*) |
| 0,75" | 4,173"                    | 0,620"    | 0,992"    | 2,087"    | 9mm       | 3,504"    | 6,654"  | 12mm    | 100     | F04                                      |                    |
| 1,00" | 6,299"                    | 0,870"    | 1,988"    | 3,150"    | 11mm      | 4,016"    | 6,654"  | 14mm    | 200     | F05                                      | DR801CL-100-6L-(*) |
| 1,50" | 7,205"                    | 1,370"    | 1,988"    | 3,602"    | 14mm      | 5,000"    | 8,386"  | 19mm    | 410     | F07                                      | DR801CL-150-6L-(*) |
| 2,00" | 8,504"                    | 1,870"    | 2,520"    | 4,252"    | 17mm      | 5,472"    | 8,386"  | 19mm    | 700     | F07/F10                                  | DR801CL-200-6L-(*) |
| 2,50" | 9,488"                    | 2,370"    | 3,051"    | 4,744"    | 17mm      | 6,524"    | 8,386"  | 20mm    | 1300    | F07/F10                                  |                    |
| 3,00" | 9,488"                    | 2,870"    | 3,583"    | 5,502"    | 27mm      | 6,693"    | 12,598" | 26mm    | 2200    | F10/F12                                  | DR801CL-300-6L-(*) |
| 4,00" | 12,756"                   | 3,835"    | 4,685"    | 6,378"    | 27mm      | 7,598"    | 12,598" | 26mm    | 2500    | F10/F12                                  |                    |

Other sizes available upon request.

\* = L or T Port.

**PTFE (TEFLON) SEATS REPLACEMENT KIT, FDA APPROVED  
MODEL RKDR801**

| SIZE  | FOR BALL VALVE DR801CL<br>(ENCAPSULATED) |                  |
|-------|--|------------------|
|       | OD                                       | PART #           |
| 0,50" |  | RKDR801-050-PTFE |
| 0,75" |  |                  |
| 1,00" |  | RKDR801-100-PTFE |
| 1,50" |  | RKDR801-150-PTFE |
| 2,00" |  | RKDR801-200-PTFE |
| 2,50" |  |                  |
| 3,00" |  | RKDR801-300-PTFE |

Other sizes available upon request.

**PNEUMATIC ACTUATORS, DOUBLE ACTING / SPRING RETURN  
MODEL PPATDA & PPATSR**

**NEW! AVAILABLE  
IN APRIL 2024**



**SPECIFICATIONS**

- Operating media: Dry/lubricated air or non-corrosive gas.
- 115 PSI maximum
- -31 / 300°F (-35 / 150°C)
- Indoor or outdoor application.

**SERIES # PPATDA**  
Double Acting

**SERIES # PPATSR**  
Spring Return/10

**PART #**

**PART #**

PPAT52DA

PPAT52SR

PPAT63DA

PPAT63SR

PPAT75DA

PPAT75SR

PPAT83DA

PPAT83SR

PPAT92DA

PPAT92SR

PPAT105DA

PPAT105SR

PPAT125DA

PPAT125SR

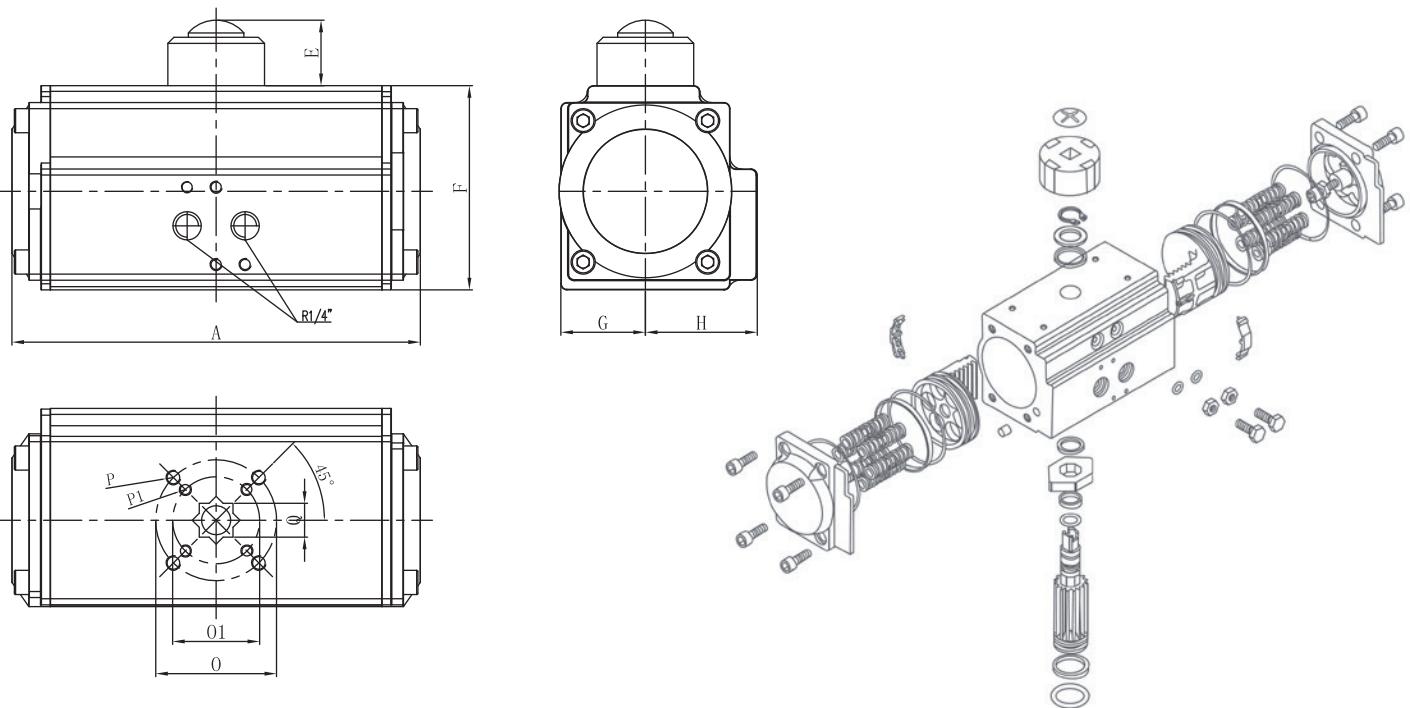
PPAT140DA

PPAT140SR

Other sizes available upon request.



**PNEUMATIC ACTUATORS, DOUBLE ACTING / SPRING RETURN (CONTINUED)**  
**MODEL PPATDA & PPATSR**

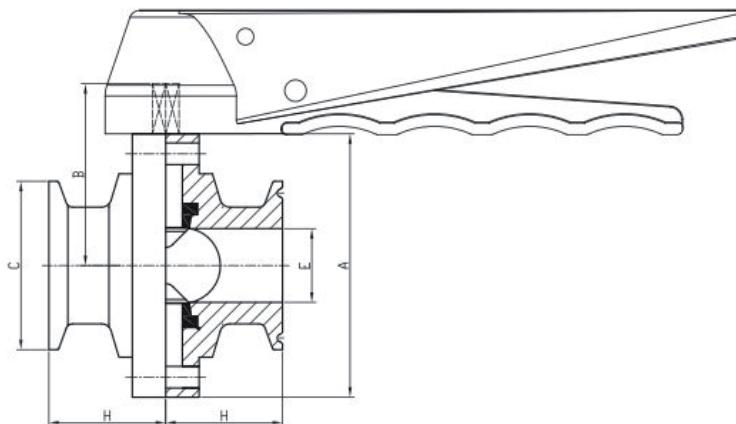


| SIZE | DIMENSIONS AS PER DIAGRAM |        |        |        |        |        |        |       |       |       |         |             |                    | BREAK TORQUE * Inch/lb<br>PPATDA | WEIGHT<br>(SR)<br>lbs |
|------|---------------------------|--------|--------|--------|--------|--------|--------|-------|-------|-------|---------|-------------|--------------------|----------------------------------|-----------------------|
|      | OD                        | A      | E      | F      | G      | H      | O1     | O     | P     | P1    | Q       | ISO<br>5211 | PPATSR<br>0° Start | PPATSR<br>90° End                |                       |
| 52   | 5,709"                    | 0,866" | 2,835" | 1,181" | 1,614" | 1,417" | 1,969" | 4-M5  | 4-M6  | 9/11  | F04/F05 | 163         | 120                | 81                               | 1,5                   |
| 63   | 6,653"                    | 0,866" | 3,465" | 1,417" | 1,811" | 1,967" | 2,756" | 4-M6  | 4-M8  | 11/14 | F05/F07 | 286         | 233                | 170                              | 2                     |
| 75   | 7,913"                    | 0,866" | 3,937" | 1,654" | 2,047" | 1,967" | 2,756" | 4-M6  | 4-M8  | 14/17 | F05/F07 | 568         | 371                | 260                              | 3                     |
| 83   | 8,228"                    | 0,866" | 4,252" | 1,811" | 2,165" | 1,967" | 2,756" | 4-M6  | 4-M8  | 14/17 | F05/F07 | 894         | 483                | 356                              | 3,6                   |
| 92   | 9,528"                    | 0,866" | 4,724" | 2,008" | 2,264" | 1,967" | 2,756" | 4-M6  | 4-M8  | 14/17 | F05/F07 | 1295        | 565                | 381                              | 5,2                   |
| 105  | 10,827"                   | 0,866" | 5,236" | 2,283" | 2,520" | 2,756" | 4,016" | 4-M8  | 4-M10 | 17/22 | F07/F10 | 2089        | 1049               | 735                              | 6,9                   |
| 125  | 13,071"                   | 0,866" | 6,102" | 2,657" | 2,756" | 2,756" | 4,016" | 4-M8  | 4-M10 | 17/22 | F07/F10 | 2682        | 1513               | 1054                             | 10                    |
| 140  | 15,157"                   | 0,866" | 6,752" | 2,992" | 3,031" | 4,016" | 4,016" | 4-M10 | 4-M12 | 22/27 | F10/F12 | 4231        | 2647               | 1877                             | 15                    |

\* 80 psi inlet pressure required

**BUTTERFLY VALVES, TRI-CLAMP® 10 POSITION LOCKABLE TRIGGER HANDLE, CRN APPROVED  
MODEL BV5101TH**

**TRI-CLAMP®**



| SIZE  | DIMENSIONS AS PER DIAGRAM |        |        |        |        |
|-------|---------------------------|--------|--------|--------|--------|
|       | OD                        | A      | B      | C      | E      |
| 1,00" | 3,110"                    | 1,949" | 1,988" | 0,870" | 1,378" |
| 1,50" | 3,346"                    | 2,067" | 1,988" | 1,370" | 1,378" |
| 2,00" | 3,937"                    | 2,362" | 2,520" | 1,870" | 1,457" |
| 2,50" | 4,528"                    | 2,657" | 3,051" | 2,370" | 1,496" |
| 3,00" | 5,000"                    | 2,894" | 3,583" | 2,870" | 1,496" |
| 4,00" | 6,142"                    | 3,465" | 4,685" | 3,843" | 1,772" |

Other sizes & face to face available on request.

**SERIES # BV5101**

Stainless Steel 316L

| SIZE  | EPDM            |        | CLEAR SILICONE   |        | RED SILICONE    |        | FKM (VITON)     |        |
|-------|-----------------|--------|------------------|--------|-----------------|--------|-----------------|--------|
|       | OD              | PART # | PART #           | PART # | PART #          | PART # | PART #          | PART # |
| 1,00" | BV5101TH-E-10-6 |        | BV5101TH-ST-10-6 |        | BV5101TH-S-10-6 |        | BV5101TH-F-10-6 |        |
| 1,50" | BV5101TH-E-15-6 |        | BV5101TH-ST-15-6 |        | BV5101TH-S-15-6 |        | BV5101TH-F-15-6 |        |
| 2,00" | BV5101TH-E-20-6 |        | BV5101TH-ST-20-6 |        | BV5101TH-S-20-6 |        | BV5101TH-F-20-6 |        |
| 2,50" | BV5101TH-E-25-6 |        | BV5101TH-ST-25-6 |        | BV5101TH-S-25-6 |        | BV5101TH-F-25-6 |        |
| 3,00" | BV5101TH-E-30-6 |        | BV5101TH-ST-30-6 |        | BV5101TH-S-30-6 |        | BV5101TH-F-30-6 |        |
| 4,00" | BV5101TH-E-40-6 |        | BV5101TH-ST-40-6 |        | BV5101TH-S-40-6 |        | BV5101TH-F-40-6 |        |

**SPECIFICATIONS**

Information below based on water media at 68°F/20°C.

| SIZE  | BREAK TORQUE (IN/LB) |      |     | PRESSURE RATING<br>(PSI) | FLOW COEFFICIENT<br>(C <sub>v</sub> ) | WEIGHT (LB) |
|-------|----------------------|------|-----|--------------------------|---------------------------------------|-------------|
|       | SILICONE             | EPDM | FKM |                          |                                       |             |
| 1,00" | 20                   | 75   | 70  | 140                      | 23                                    | 3,50        |
| 1,50" | 40                   | 130  | 125 | 140                      | 80                                    | 3,10        |
| 2,00" | 55                   | 165  | 175 | 140                      | 230                                   | 3,90        |
| 2,50" | 70                   | 210  | 220 | 110                      | 264                                   | 4,90        |
| 3,00" | 165                  | 350  | 310 | 110                      | 372                                   | 5,70        |
| 4,00" | 350                  | 540  | 450 | 85                       | 800                                   | 7,80        |

## SEATS FOR BUTTERFLY VALVE, FDA APPROVED



### TEMPERATURE

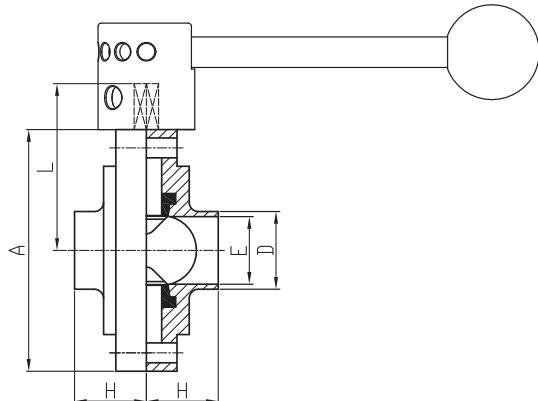
- EPDM: -40/300°F (-40/149°C)
- Clear et Red silicone: -70/420°F (-56/216°C)
- FKM (viton): -10/700°F (-23/371°C)
- Special Silicone, upon request only: -95/220°F (-70/104°C)

| SIZE  | EPDM<br>3 green dots | CLEAR SILICONE<br>no dot | RED SILICONE<br>no dot | FKM (VITON)<br>1 white dot & 1 yellow dot |
|-------|----------------------|--------------------------|------------------------|---|
| OD    | PART #               | PART #                   | PART #                 | PART #                                    |
| 1,00" | SBV-E-100            | SBV-ST-100               | SBV-S-100              | SBV-F-100                                 |
| 1,50" | SBV-E-150            | SBV-ST-150               | SBV-S-150              | SBV-F-150                                 |
| 2,00" | SBV-E-200            | SBV-ST-200               | SBV-S-200              | SBV-F-200                                 |
| 2,50" | SBV-E-250            | SBV-ST-250               | SBV-S-250              | SBV-F-250                                 |
| 3,00" | SBV-E-300            | SBV-ST-300               | SBV-S-300              | SBV-F-300                                 |
| 4,00" | SBV-E-400            | SBV-ST-400               | SBV-S-400              | SBV-F-400                                 |

Other diameters available upon request.

**BUTTERFLY VALVES, BUTT WELD, 4 POSITION PULL HANDLE, CRN APPROVED**  
**MODEL VP5101**

**BUTT-WELD**



| SIZE  | DIMENSIONS AS PER DIAGRAM |       |         |         |         |
|-------|---------------------------|-------|---------|---------|---------|
| OD    | A                         | D     | E       | L       | H       |
| 1,00" | 3,1102"                   | 1,00" | 0,8700" | 1,9488" | 0,9252" |
| 1,50" | 3,3465"                   | 1,50" | 1,3700" | 2,0669" | 0,9252" |
| 2,00" | 3,937"                    | 2,00" | 1,8700" | 2,3622" | 1,0236" |
| 2,50" | 4,5276"                   | 2,50" | 2,3425" | 2,6575" | 1,0630" |
| 3,00" | 5,000"                    | 3,00" | 2,8425" | 2,8937" | 1,1024" |
| 4,00" | 6,1417"                   | 4,00" | 3,8425" | 3,4646" | 1,1811" |

Other sizes & face to face available on request.

**SERIES # VP5101**

Stainless Steel 304

| SIZE  | EPDM          | CLEAR SILICONE | RED SILICONE  | FKM (VITON)   |
|-------|---------------|----------------|---------------|---------------|
| OD    | PART #        | PART #         | PART #        | PART #        |
| 1,00" | VP5101-E-10-4 | VP5101-ST-10-4 | VP5101-S-10-4 | VP5101-F-10-4 |
| 1,50" | VP5101-E-15-4 | VP5101-ST-15-4 | VP5101-S-15-4 | VP5101-F-15-4 |
| 2,00" | VP5101-E-20-4 | VP5101-ST-20-4 | VP5101-S-20-4 | VP5101-F-20-4 |
| 2,50" | VP5101-E-25-4 | VP5101-ST-25-4 | VP5101-S-25-4 | VP5101-F-25-4 |
| 3,00" | VP5101-E-30-4 | VP5101-ST-30-4 | VP5101-S-30-4 | VP5101-F-30-4 |
| 4,00" | VP5101-E-40-4 | VP5101-ST-40-4 | VP5101-S-40-4 | VP5101-F-40-4 |

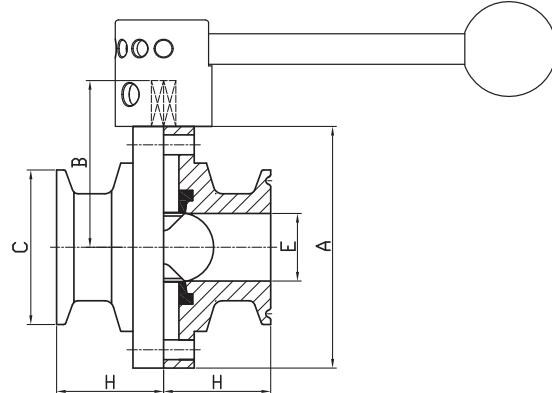
**SERIES # VP5101**

Stainless Steel 316L

| SIZE  | EPDM           | CLEAR SILICONE  | RED SILICONE   | FKM (VITON)    |
|-------|----------------|-----------------|----------------|----------------|
| OD    | PART #         | PART #          | PART #         | PART #         |
| 1,00" | VP5101-E-10-6L | VP5101-ST-10-6L | VP5101-S-10-6L | VP5101-F-10-6L |
| 1,50" | VP5101-E-15-6L | VP5101-ST-15-6L | VP5101-S-15-6L | VP5101-F-15-6L |
| 2,00" | VP5101-E-20-6L | VP5101-ST-20-6L | VP5101-S-20-6L | VP5101-F-20-6L |
| 2,50" | VP5101-E-25-6L | VP5101-ST-25-6L | VP5101-S-25-6L | VP5101-F-25-6L |
| 3,00" | VP5101-E-30-6L | VP5101-ST-30-6L | VP5101-S-30-6L | VP5101-F-30-6L |
| 4,00" | VP5101-E-40-6L | VP5101-ST-40-6L | VP5101-S-40-6L | VP5101-F-40-6L |

**BUTTERFLY VALVES, TRI-CLAMP®, 4 POSITION PULL HANDLE, CRN APPROVED**  
**MODEL VP5101CL**

**TRI-CLAMP®**



| SIZE  | DIMENSIONS AS PER DIAGRAM |         |         |         |         |         |
|-------|---------------------------|---------|---------|---------|---------|---------|
|       | OD                        | A       | B       | C       | E       | H       |
| 1,00" |                           | 3,1102" | 1,9488" | 1,9882" | 0,8700  | 1,3780" |
| 1,50" |                           | 3,3465" | 2,0669" | 1,9882" | 1,3700  | 1,3780" |
| 2,00" |                           | 3,9370" | 2,3622" | 2,5197" | 1,8700" | 1,4567" |
| 2,50" |                           | 4,5276" | 2,6575" | 3,0512" | 2,3700" | 1,4960" |
| 3,00" |                           | 5,000"  | 2,8937" | 3,5827" | 2,8700" | 1,5354" |
| 4,00" |                           | 6,1417" | 3,4646" | 4,6850" | 3,8425" | 1,7717" |
| 6,00" |                           | 8,4646" | 4,6654" | 6,5669" | 5,7795" | 2,4800" |

Other sizes & face to face available on request.

**SERIES # VP5101CL**

Stainless Steel 304

| SIZE  | EPDM            | CLEAR SILICONE   | RED SILICONE    | FKM (VITON)     |    |        |
|-------|-----------------|------------------|-----------------|-----------------|----|--------|
|       |                 |                  |                 |                 | OD | PART # |
| 1,00" | VP5101CL-E-10-4 | VP5101CL-ST-10-4 | VP5101CL-S-10-4 | VP5101CL-F-10-4 |    |        |
| 1,50" | VP5101CL-E-15-4 | VP5101CL-ST-15-4 | VP5101CL-S-15-4 | VP5101CL-F-15-4 |    |        |
| 2,00" | VP5101CL-E-20-4 | VP5101CL-ST-20-4 | VP5101CL-S-20-4 | VP5101CL-F-20-4 |    |        |
| 2,50" | VP5101CL-E-25-4 | VP5101CL-ST-25-4 | VP5101CL-S-25-4 | VP5101CL-F-25-4 |    |        |
| 3,00" | VP5101CL-E-30-4 | VP5101CL-ST-30-4 | VP5101CL-S-30-4 | VP5101CL-F-30-4 |    |        |
| 4,00" | VP5101CL-E-40-4 | VP5101CL-ST-40-4 | VP5101CL-S-40-4 | VP5101CL-F-40-4 |    |        |

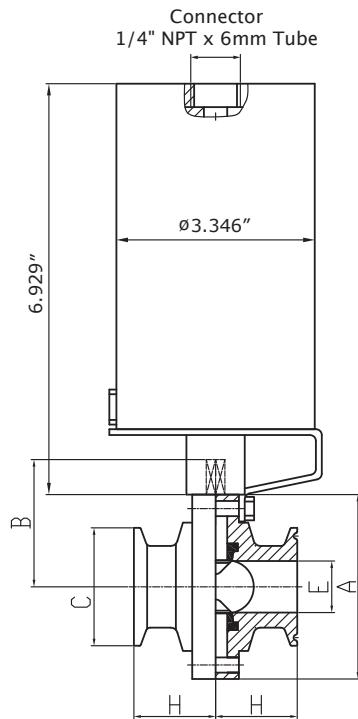
**SERIES # VP5101CL**

Stainless Steel 316L

| SIZE  | EPDM             | CLEAR SILICONE    | RED SILICONE     | FKM (VITON)      |    |        |
|-------|------------------|-------------------|------------------|------------------|----|--------|
|       |                  |                   |                  |                  | OD | PART # |
| 1,00" | VP5101CL-E-10-6L | VP5101CL-ST-10-6L | VP5101CL-S-10-6L | VP5101CL-F-10-6L |    |        |
| 1,50" | VP5101CL-E-15-6L | VP5101CL-ST-15-6L | VP5101CL-S-15-6L | VP5101CL-F-15-6L |    |        |
| 2,00" | VP5101CL-E-20-6L | VP5101CL-ST-20-6L | VP5101CL-S-20-6L | VP5101CL-F-20-6L |    |        |
| 2,50" | VP5101CL-E-25-6L | VP5101CL-ST-25-6L | VP5101CL-S-25-6L | VP5101CL-F-25-6L |    |        |
| 3,00" | VP5101CL-E-30-6L | VP5101CL-ST-30-6L | VP5101CL-S-30-6L | VP5101CL-F-30-6L |    |        |
| 4,00" | VP5101CL-E-40-6L | VP5101CL-ST-40-6L | VP5101CL-S-40-6L | VP5101CL-F-40-6L |    |        |
| 6,00" |                  | VP5101CL-ST-60-6L |                  |                  |    |        |

**BUTTERFLY VALVES, TRI-CLAMP®, WITH SINGLE ACTING CANISTER TYPE ACTUATOR, CRN APPROVED**  
**MODEL SU30485SA**

**TRI-CLAMP®**



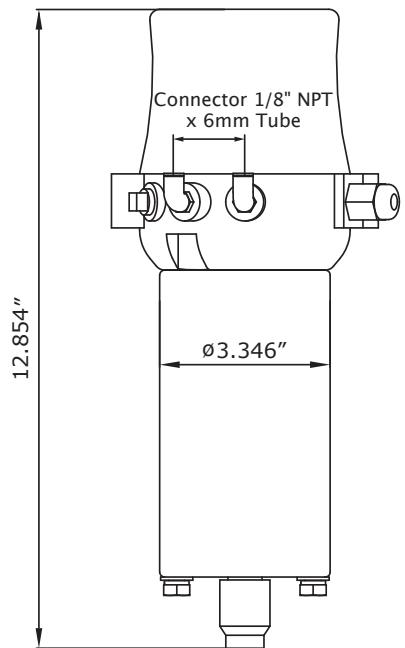
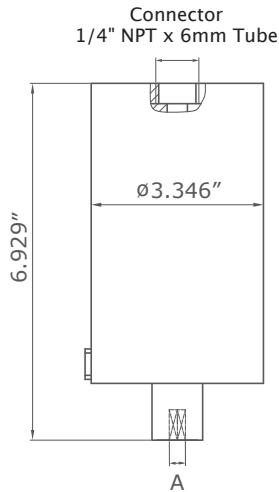
| SIZE  | DIMENSIONS AS PER DIAGRAM |         |         |         |         |   |
|-------|---------------------------|---------|---------|---------|---------|---|
|       | OD                        | A       | B       | C       | E       | H |
| 1,00" | 3,1102"                   | 1,9488" | 1,9882" | 0,8700" | 1,378"  |   |
| 1,50" | 3,3465"                   | 2,0669" | 1,9882" | 1,3700" | 1,378"  |   |
| 2,00" | 3,9370"                   | 2,3622" | 2,5197" | 1,8700" | 1,4567" |   |
| 2,50" | 4,5276"                   | 2,6575" | 3,0512" | 2,3700" | 1,4960" |   |
| 3,00" | 5,000"                    | 2,8937" | 3,5827" | 2,8700" | 1,5354" |   |
| 4,00" | 6,1417"                   | 3,4646" | 4,6850" | 3,8425" | 1,7717" |   |

Other sizes & face to face available on request.

**SERIES # BV5101CL/SU30485SA**  
Stainless Steel 316L

| SIZE  | EPDM            | CLEAR SILICONE   | RED SILICONE    | FKM (VITON)     |        |
|-------|-----------------|------------------|-----------------|-----------------|--------|
|       |                 |                  |                 | OD              | PART # |
| 1,00" | SU30485SA-10CLE | SU30485SA-10CLST | SU30485SA-10CLS | SU30485SA-10CLF |        |
| 1,50" | SU30485SA-15CLE | SU30485SA-15CLST | SU30485SA-15CLS | SU30485SA-15CLF |        |
| 2,00" | SU30485SA-20CLE | SU30485SA-20CLST | SU30485SA-20CLS | SU30485SA-20CLF |        |
| 2,50" | SU30485SA-25CLE | SU30485SA-25CLST | SU30485SA-25CLS | SU30485SA-25CLF |        |
| 3,00" | SU30485SA-30CLE | SU30485SA-30CLST | SU30485SA-30CLS | SU30485SA-30CLF |        |
| 4,00" | SU30485SA-40CLE | SU30485SA-40CLST | SU30485SA-40CLS | SU30485SA-40CLF |        |

## SINGLE ACTING VERTICAL CANISTER ACTUATOR WITH OR WITHOUT POSITIONNER (WITHOUT VALVE)



| DESCRIPTION  | DIMENSIONS A | PART #            |
|--|--------------|-------------------|
| Single acting canister for butterfly valves 1/2" @ 2"                                      | 8mm          | SU304085SA-STYLE1 |
| Single acting canister for butterfly valves 2,50" @ 4"                                     | 10mm         | SU304085SA-STYLE2 |
| Single acting canister for butterfly valves 1/2" @ 2" with positionner (2 limit switches)  | 8mm          | SU304085SA-LS1    |
| Single acting canister for butterfly valves 2,50" @ 4" with positionner (2 limit switches) | 10mm         | SU304085SA-LS2    |

Note: Ball valve 3" maximum.

## MOUNTING BRACKET FOR BUTTERFLY VALVE & CANISTER TYPE ACTUATORS



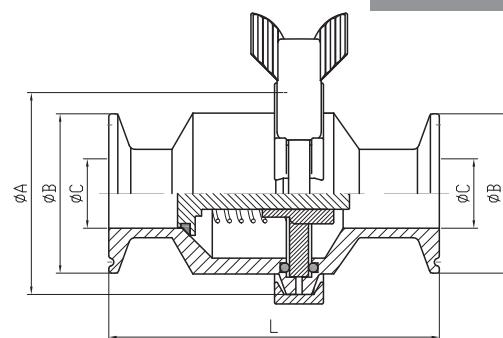
| SIZE  | ISO     | Stainless Steel | PART #  |
|-------|---------|-----------------|---------|
| OD    |         |                 |         |
| 1,00" | F05/F07 |                 | BR100-4 |
| 1,50" | F05/F07 |                 | BR150-4 |
| 2,00" | F05/F07 |                 | BR200-4 |
| 2,50" | F05/F07 |                 | BR250-4 |
| 3,00" | F05/F07 |                 | BR300-4 |
| 4,00" | F05/F07 |                 | BR400-4 |

**CHECK VALVE, TRI-CLAMP®, POLISHED # 7, 3A APPROVED, WITH EPDM BLACK SEAT  
MODEL CLCV**



**SPECIFICATIONS**

- 0.9 PSI cracking pressure
- 15 / 200°F
- 140 PSI maximum
- Black EPDM seat
- Horizontal mount only



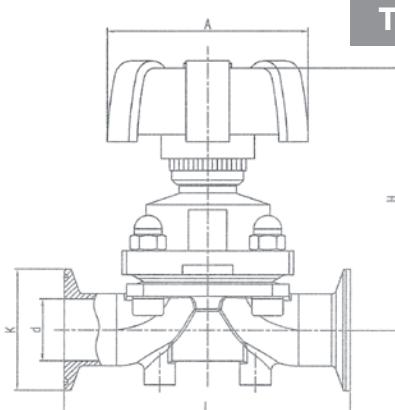
**TRI-CLAMP®**

| SIZE  | DIMENSIONS<br>as per diagram |         |         |          |   | SERIES # CLCV<br>Stainless Steel 316L |               |
|-------|------------------------------|---------|---------|----------|---|---------------------------------------|---------------|
|       | OD                           | A       | B       | C        | L | CRACKING PRESSURE<br>(PSI)            | PART #        |
| 0,50" | 1,9881"                      | 0,9843" | 0,3740" | 3,5000"  |   | 2,6                                   | CLCV-050-316L |
| 0,75" | 2,5197"                      | 0,9843" | 0,6220" | 3,5000"  |   | 2,6                                   | CLCV-075-316L |
| 1,00" | 2,5197"                      | 1,9882" | 0,8700" | 4,1260"  |   | 3,6                                   | CLCV-100-316L |
| 1,50" | 3,0518"                      | 1,9882" | 1,3700" | 4,5630"  |   | 3,6                                   | CLCV-150-316L |
| 2,00" | 3,5827"                      | 2,5197" | 1,8700" | 5,0630"  |   | 3,6                                   | CLCV-200-316L |
| 2,50" | 4,1732"                      | 3,0512" | 2,3740" | 5,3740"  |   | 3,6                                   | CLCV-250-316L |
| 3,00" | 4,6850"                      | 3,5827" | 2,8740" | 6,1260"  |   | 4,3                                   | CLCV-300-316L |
| 4,00" | 5,6890"                      | 4,6850" | 3,8425" | 8,1260"  |   | 4,3                                   | CLCV-400-316L |
| 6,00" | 8,5433"                      | 6,5669" | 5,7795" | 10,1575" |   | 4,7                                   | CLCV-600-316L |

Other diameters and seat material available on request.

**DIAPHRAGM VALVE, TRI-CLAMP®, POLISHED # 7, 3A APPROVED, WITH EPDM/PTFE DIAPHRAGM  
MODEL DV**

**NEW! AVAILABLE  
IN APRIL 2024**



**TRI-CLAMP®**

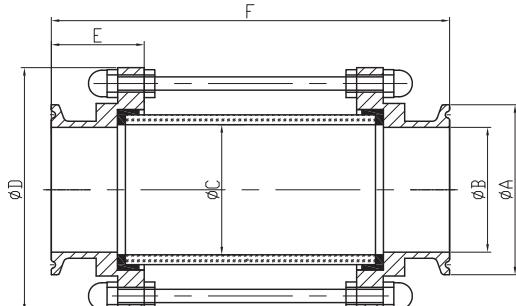
**SPECIFICATIONS**

- -4 / 302°F
- 145 PSI maximum
- EPDM/PTFE Diaphragm
- Plastic Handle

| SIZE  | DIMENSIONS<br>as per diagram |      |     |     |      |      | SERIES # DV<br>Stainless Steel 316L |               |
|-------|------------------------------|------|-----|-----|------|------|-------------------------------------|---------------|
|       | OD                           | DN   | L   | A   | Kxd  | d    | H                                   | PART #        |
| 1,00" |                              | DN25 | 127 | 90  | 50.5 | 22.1 | 119                                 | DV-100-E-316L |
| 1,50" |                              | DN40 | 159 | 114 | 50.5 | 34.8 | 139                                 | DV-150-E-316L |
| 2,00" |                              | DN50 | 190 | 140 | 64   | 47.5 | 150                                 | DV-200-E-316L |

Other diameters and seat material available on request.

**SIGHT GLASS, TRI-CLAMP®, POLISHED # 7, WITH EPDM BLACK SEAT  
MODEL SG**



**TRI-CLAMP®**

**SPECIFICATIONS**

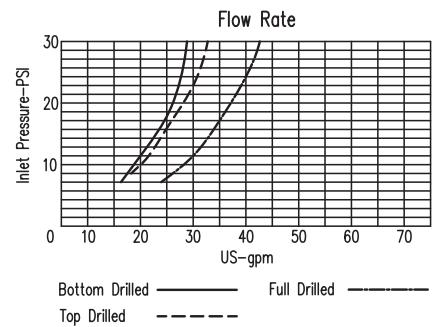
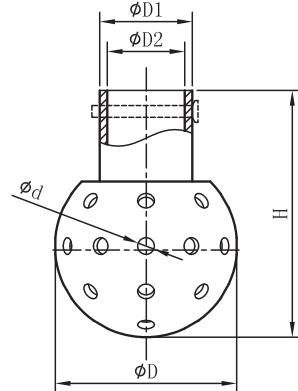
- 5 mm glass
- 200°F maximum
- 87 PSI maximum
- Black EPDM seat

| SIZE  | DIMENSIONS<br>as per diagram |        |         |         |         |         | SERIES # B28W<br>Stainless Steel 316L | REPAIR KIT<br>Includes Borosilicate glass<br>and 2 black EPDM seats |
|-------|------------------------------|--------|---------|---------|---------|---------|---------------------------------------|---|
|       | OD                           | A      | B       | C       | D       | E       | F                                     | PART #  |
| 1,00" | 1,988"                       | 0,870" | 0,9449" | 3,1102" | 1,378"  | 5,6299" | SG100CL-6L                            | RKSG-100-EPDM   |
| 1,50" | 1,988"                       | 1,370" | 1,378"  | 3,3465" | 1,378"  | 5,7480" | SG150CL-6L                            | RKSG-150-EPDM   |
| 2,00" | 2,5197"                      | 1,870" | 1,9685" | 4,1339" | 1,4567" | 5,9055" | SG200CL-6L                            | RKSG-200-EPDM   |
| 3,00" | 3,5827"                      | 2,870" | 2,9528" | 4,9213" | 1,5354" | 6,1417" | SG300CL-6L                            | RKSG-300-EPDM   |

Other diameters and seat material available on request.

**FIXED SPRAY BALLS, 180° DOWN, 180° UP OR 360°  
MODEL BSTC**

**PIN**



| SIZE  | SPRAY<br>COVERAGE | DIMENSIONS<br>as per diagram |        |        |        |        |   | SERIES # STC<br>Stainless Steel 316L |
|-------|-------------------|------------------------------|--------|--------|--------|--------|---|--------------------------------------|
|       |                   | OD                           | D      | D1     | D2     | H      | d |                                      |
| 1,00" | 180° Down         | 2,078"                       | 1,000" | 0,870" | 2,598" | 0,079" |   | BSTC-10-180BT-6                      |
| 1,50" |                   | 2,96"                        | 1,500" | 1,370" | 3,346" | 0,087" |   | BSTC-15-180BT-6                      |
| 1,00" | 180° Up           | 2,078"                       | 1,000" | 0,870" | 2,598" | 0,079" |   | BSTC-10-180TOP-6                     |
| 1,50" |                   | 2,96"                        | 1,500" | 1,370" | 3,346" | 0,087" |   | BSTC-15-180TOP-6                     |
| 1,00" | 360°              | 2,078"                       | 1,000" | 0,870" | 2,598" | 0,079" |   | BSTC-10-360-6                        |
| 1,50" |                   | 2,96"                        | 1,500" | 1,370" | 3,346" | 0,087" |   | BSTC-15-360-6                        |

Other diameters available upon request.



# Tubing and Accessories



**STAINLESS STEEL TUBING, ANNEALED, LENGTH OF 20', 3A APPROVED  
MODEL A270**

**SURFACE FINISH**

- 32 RA OD / 20 RA ID



| TUBE  | GAUGE | WALL THICKNESS | SERIES # A270<br>Stainless Steel 304 | SERIES # A270<br>Stainless Steel 316L |
|-------|-------|----------------|--------------------------------------|---------------------------------------|
| OD    |       |                | PART #                               | PART #                                |
| 0,50" | 16    | 0,065"         | A270-050-4**                         | A270-050-6L**                         |
| 0,75" | 16    | 0,065"         | A270-075-4                           | A270-075-6L                           |
| 1,00" | 16    | 0,065"         | A270-100-4                           | A270-100-6L                           |
| 1,50" | 16    | 0,065"         | A270-150-4                           | A270-150-6L                           |
| 2,00" | 16    | 0,065"         | A270-200-4                           | A270-200-6L                           |
| 2,50" | 16    | 0,065"         | A270-250-4                           | A270-250-6L                           |
| 3,00" | 16    | 0,065"         | A270-300-4                           | A270-300-6L                           |
| 4,00" | 14    | 0,083"         | A270-400-4                           | A270-400-6L                           |
| 6,00" | 12    | 0,109"         | A270-600-4                           |                                       |
| 8,00" | 12    | 0,109"         | A270-800-4                           |                                       |

Other diameters available upon request.

\*\*Not-Annealed

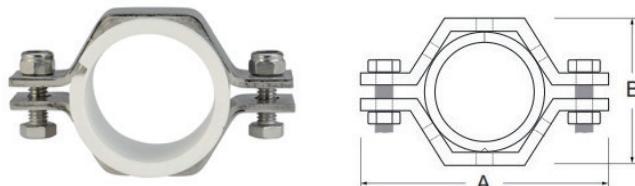
**TUBING WEIGHTS & OPERATING PRESSURES**

| 304 STAINLESS STEEL SIZE |                      |                        |                      | 316L STAINLESS STEEL SIZE |                      |                        |                      |
|--------------------------|----------------------|------------------------|----------------------|---------------------------|----------------------|------------------------|----------------------|
| TUBE                     | WEIGHT PER FOOT (LB) | WORKING PRESSURE (PSI) | BURST PRESSURE (PSI) | TUBE                      | WEIGHT PER FOOT (LB) | WORKING PRESSURE (PSI) | BURST PRESSURE (PSI) |
| 0,50"                    | 0,30                 | 4870                   | 19500                | 0,50"                     | 0,30                 | 3250                   | 19500                |
| 0,75"                    | 0,48                 | 3250                   | 13000                | 0,75"                     | 0,48                 | 2167                   | 13000                |
| 1,00"                    | 0,66                 | 2440                   | 9800                 | 1,00"                     | 0,66                 | 2280                   | 9100                 |
| 1,50"                    | 1,00                 | 1630                   | 6500                 | 1,50"                     | 1,00                 | 1520                   | 6100                 |
| 2,00"                    | 1,35                 | 1220                   | 4900                 | 2,00"                     | 1,35                 | 1140                   | 4600                 |
| 2,50"                    | 1,70                 | 980                    | 3900                 | 2,50"                     | 1,70                 | 910                    | 3600                 |
| 3,00"                    | 2,05                 | 810                    | 3300                 | 3,00"                     | 2,05                 | 760                    | 3000                 |
| 4,00"                    | 3,50                 | 780                    | 3100                 | 4,00"                     | 3,50                 | 730                    | 2900                 |
| 6,00"                    | 6,92                 | 680                    | 2720                 | 6,00"                     | 6,92                 | 635                    | 2540                 |
| 8,00"                    | 9,30                 | 477                    | 1907                 | 8,00"                     | 9,30                 | 450                    | 1810                 |

**HEXAGONAL SIZE HANGERS WITH WHITE PVC INSERT**  
**MODEL P24PS**

**MAXIMUM TEMPERATURE**

• 230°F / 110°C

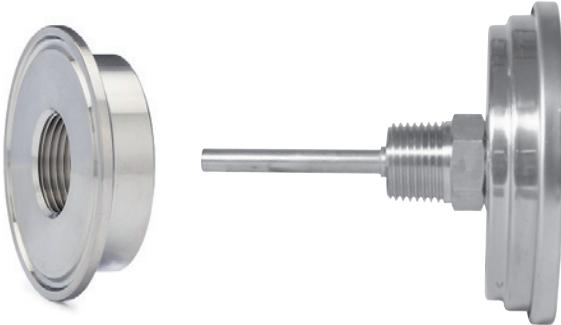


| TUBE  | DIMENSIONS<br>as per diagram |        | SERIES # P24PS<br>Stainless Steel 304 |
|-------|------------------------------|--------|---------------------------------------|
| OD    | A                            | B      | PART #                                |
| 0,50" | 2,687"                       | 2,000" | P24PS-0.50                            |
| 0,75" | 2,687"                       | 1,562" | P24PS-0.75                            |
| 1,00" | 3,625"                       | 2,125" | P24PS-1.00                            |
| 1,50" | 4,312"                       | 2,625" | P24PS-1.50                            |
| 2,00" | 4,312"                       | 3,125" | P24PS-2.00                            |
| 2,50" | 4,850"                       | 3,125" | P24PS-2.50                            |
| 3,00" | 5,500"                       | 4,250" | P24PS-3.00                            |
| 4,00" | 7,500"                       | 5,625" | P24PS-4.00                            |
| 6,00" | 9,750"                       | 7,375" | P24PS-6.00                            |
| 8,00" | 11,470"                      | 8,150" | P24PS-8.00                            |

Other diameters available upon request.

**Also available in our "Pressure and Temperature"  
scope of supplies ...**

**Sanitary Tri-Clamp® Diaphragm Seals/Gauges  
(for Pharmaceutical/Food & Beverage markets)  
& Bimetal thermometers**



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[www.pitancoprecision.com](http://www.pitancoprecision.com)**