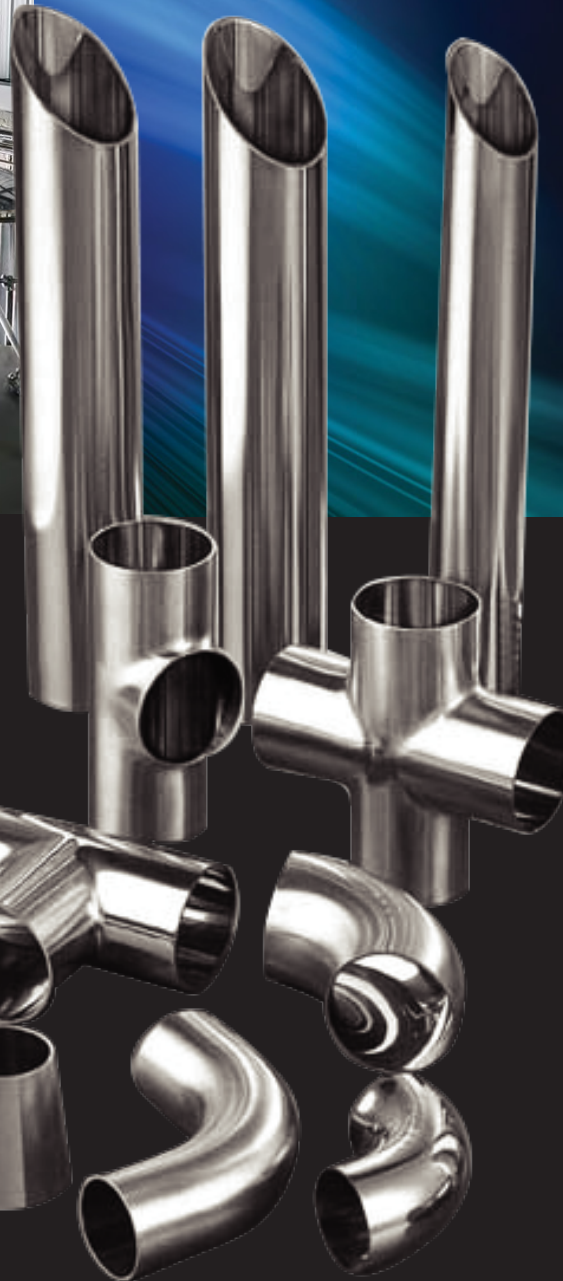




# STAINLESS STEEL

## Product Range

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## BSM FITTINGS

### HEX NUT 304 SS



| SIZE   | PART NO |
|--------|---------|
| 1"     | BSMN025 |
| 1 1/2" | BSMN038 |
| 2"     | BSMN050 |
| 2 1/2" | BSMN063 |
| 3"     | BSMN076 |
| 4"     | BSMN101 |
| 5"     | BSMN125 |
| 6"     | BSMN150 |

### LINER RJT 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1"     | BSML025 |
| 1 1/2" | BSML038 |
| 2"     | BSML050 |
| 2 1/2" | BSML063 |
| 3"     | BSML076 |
| 4"     | BSML101 |
| 5"     | BSML125 |
| 6"     | BSML150 |

### MALE RJT 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1"     | BSMM025 |
| 1 1/2" | BSMM038 |
| 2"     | BSMM050 |
| 2 1/2" | BSMM063 |
| 3"     | BSMM076 |
| 4"     | BSMM101 |
| 5"     | BSMM125 |
| 6"     | BSMM150 |

### PRESSED BLANK CAP 316 SS

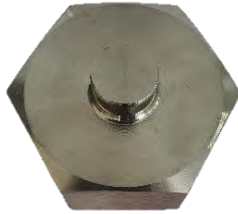


| SIZE   | PART NO  |
|--------|----------|
| 1"     | BSMBC025 |
| 1 1/2" | BSMBC038 |
| 2"     | BSMBC050 |
| 2 1/2" | BSMBC063 |
| 3"     | BSMBC076 |
| 4"     | BSMBC101 |
| 5"     | BSMBC125 |
| 6"     | BSMBC150 |

## BSM FITTINGS

### BLANK NUT 316 SS

\* AVAILABLE WITH HEAVY DUTY CHAIN



| SIZE   | PART NO  |
|--------|----------|
| 1"     | BSMNB025 |
| 1 1/2" | BSMNB038 |
| 2"     | BSMNB050 |
| 2 1/2" | BSMNB063 |
| 3"     | BSMNB076 |
| 4"     | BSMNB101 |
| 5"     | BSMNB125 |
| 6"     | BSMNB150 |

### ROUND SLOT NUT 316 SS



| SIZE   | PART NO   |
|--------|-----------|
| 1"     | BSMRSN025 |
| 1 1/2" | BSMRSN038 |
| 2"     | BSMRSN050 |
| 2 1/2" | BSMRSN063 |
| 3"     | BSMRSN076 |
| 4"     | BSMRSN101 |
| 5"     | BSMRSN125 |
| 6"     | BSMRSN150 |

### BSM O-RING RJT SEALS

| SIZE   | EPDM     | TEFLON   | VITON    | NITRILE  | SILICONE |
|--------|----------|----------|----------|----------|----------|
| 1"     | BSMOE025 | BSMOT025 | BSMOV025 | BSMON025 | BSMOS025 |
| 1 1/2" | BSMOE038 | BSMOT038 | BSMOV038 | BSMON038 | BSMOS038 |
| 2"     | BSMOE050 | BSMOT050 | BSMOV050 | BSMON050 | BSMOS050 |
| 2 1/2" | BSMOE063 | BSMOT063 | BSMOV063 | BSMON063 | BSMOS063 |
| 3"     | BSMOE076 | BSMOT076 | BSMOV076 | BSMON076 | BSMOS076 |
| 4"     | BSMOE101 | BSMOT101 | BSMOV101 | BSMON101 | BSMOS101 |
| 5"     | BSMOE125 | BSMOT125 | BSMOV125 |          |          |
| 6"     | BSMOE150 | BSMOT150 | BSMOV150 |          |          |



### BLANK MALE 316 SS



| SIZE   | PART NO  |
|--------|----------|
| 1"     | BSMMB025 |
| 1 1/2" | BSMMB038 |
| 2"     | BSMMB050 |
| 2 1/2" | BSMMB063 |
| 3"     | BSMMB076 |
| 4"     | BSMMB101 |

## BSM FITTINGS

### LINER CIP 316 SS



| SIZE   | PART NO   |
|--------|-----------|
| 1"     | BSMLFF025 |
| 1 1/2" | BSMLFF038 |
| 2"     | BSMLFF050 |
| 2 1/2" | BSMLFF063 |
| 3"     | BSMLFF076 |
| 4"     | BSMLFF101 |
| 5"     | BSMLFF125 |
| 6"     | BSMLFF150 |

### MALE CIP 316 SS



| SIZE   | PART NO   |
|--------|-----------|
| 1"     | BSMMFF025 |
| 1 1/2" | BSMMFF038 |
| 2"     | BSMMFF050 |
| 2 1/2" | BSMMFF063 |
| 3"     | BSMMFF076 |
| 4"     | BSMMFF101 |
| 5"     | BSMMFF125 |
| 6"     | BSMMFF150 |

### MACHINE BLANK CAPS 316 SS



| SIZE   | PART NO    |
|--------|------------|
| 1"     | BSMBCFF025 |
| 1 1/2" | BSMBCFF038 |
| 2"     | BSMBCFF050 |
| 2 1/2" | BSMBCFF063 |
| 3"     | BSMBCFF076 |
| 4"     | BSMBCFF101 |
| 5"     | BSMBCFF125 |
| 6"     | BSMBCFF150 |

### BSM FLAT FACE CIP SEALS

| SIZE   | EPDM      | TEFLON    | VITON     | NITRILE   | SILICONE  |
|--------|-----------|-----------|-----------|-----------|-----------|
| 1"     | BSMFFE025 | BSMFFT025 | BSMFFV025 | BSMFFN025 | BSMFFS025 |
| 1 1/2" | BSMFFE038 | BSMFFT038 | BSMFFV038 | BSMFFN038 | BSMFFS038 |
| 2"     | BSMFFE050 | BSMFFT050 | BSMFFV050 | BSMFFN050 | BSMFFS050 |
| 2 1/2" | BSMFFE063 | BSMFFT063 | BSMFFV063 | BSMFFN063 | BSMFFS063 |
| 3"     | BSMFFE076 | BSMFFT076 | BSMFFV076 | BSMFFN076 | BSMFFS076 |
| 4"     | BSMFFE101 | BSMFFT101 | BSMFFV101 | BSMFFN101 | BSMFFS101 |
| 5"     | BSMFFE125 | BSMFFT125 |           |           |           |
| 6"     | BSMFFE150 | BSMFFT150 |           |           |           |





## BSM FITTINGS

### BSM/RJT MALE 316 SS CRIMP HOSE TAIL



| SIZE   | PART NO         |
|--------|-----------------|
| 1"     | BSM-025M-RJT-HT |
| 1 1/2" | BSM-038M-RJT-HT |
| 2"     | BSM-050M-RJT-HT |
| 2 1/2" | BSM-063M-RJT-HT |
| 3"     | BSM-076M-RJT-HT |
| 4"     | BSM-101M-RJT-HT |

### BSM/RJT FEMALE 316 SS CRIMP HOSE TAIL



| SIZE   | PART NO          |
|--------|------------------|
| 1"     | BSM-025FM-RJT-HT |
| 1 1/2" | BSM-038FM-RJT-HT |
| 2"     | BSM-050FM-RJT-HT |
| 2 1/2" | BSM-063FM-RJT-HT |
| 3"     | BSM-076FM-RJT-HT |
| 4"     | BSM-101FM-RJT-HT |

### BSM/CIP MALE 316 SS CRIMP HOSE TAIL



| SIZE   | PART NO         |
|--------|-----------------|
| 1"     | BSM-025M-CIP-HT |
| 1 1/2" | BSM-038M-CIP-HT |
| 2"     | BSM-050M-CIP-HT |
| 2 1/2" | BSM-063M-CIP-HT |
| 3"     | BSM-076M-CIP-HT |
| 4"     | BSM-101M-CIP-HT |

### BSM/CIP FEMALE 316 SS CRIMP HOSE TAIL



| SIZE   | PART NO          |
|--------|------------------|
| 1"     | BSM-025FM-CIP-HT |
| 1 1/2" | BSM-038FM-CIP-HT |
| 2"     | BSM-050FM-CIP-HT |
| 2 1/2" | BSM-063FM-CIP-HT |
| 3"     | BSM-076FM-CIP-HT |
| 4"     | BSM-101FM-CIP-HT |

## TRI-CLOVER FITTINGS

### FERRULE 28MM LONG 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1/2"   | FE012   |
| 3/4"   | FE018   |
| 1"     | FE025   |
| 1 1/4" | FE032   |
| 1 1/2" | FE038   |
| 2"     | FE050   |
| 2 1/2" | FE063   |
| 3"     | FE076   |
| 4"     | FE101   |
| 5"     | FE125   |
| 6"     | FE150   |
| 8"     | FE200   |
| 10"    | FE250   |
| 12"    | FE300   |

### FERRULE 40MM LONG 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1"     | FE025L  |
| 1 1/2" | FE038L  |
| 2"     | FE050L  |
| 2 1/2" | FE063L  |
| 3"     | FE076L  |
| 4"     | FE101L  |

### FERRULE 12.7MM LONG 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1"     | FE025S  |
| 1 1/2" | FE038S  |
| 2"     | FE050S  |
| 2 1/2" | FE063S  |
| 3"     | FE076S  |
| 4"     | FE101S  |

### FERRULE EXPANDON 304 SS



| SIZE   | PART NO |
|--------|---------|
| 1"     | FE025EX |
| 1 1/2" | FE038EX |
| 2"     | FE050EX |
| 2 1/2" | FE063EX |
| 3"     | FE076EX |
| 4"     | FE101EX |

## TRI-CLOVER FITTINGS

### HIGH PRESSURE 2 BOLT CLAMP 304 SS (BRASS NUTS)



| SIZE   | PART NO       |
|--------|---------------|
| 1/2"   | FECLHP012.018 |
| 3/4"   | FECLHP018.018 |
| 1"     | FECLHP025.038 |
| 1 1/4" | FECLHP032.038 |
| 1 1/2" | FECLHP038.038 |
| 2"     | FECLHP050     |
| 2 1/2" | FECLHP063     |
| 3"     | FECLHP076     |
| 4"     | FECLHP101     |
| 5"     | FECLHP125     |
| 6"     | FECLHP150     |
| 8"     | FECLHP200     |

### SINGLE PIN CLAMP 304 SS



| SIZE   | PART NO     |
|--------|-------------|
| 1/2"   | FECL012.018 |
| 3/4"   | FECL018.018 |
| 1"     | FECL025.038 |
| 1 1/4" | FECL032.038 |
| 1 1/2" | FECL038.038 |
| 2"     | FECL050     |
| 2 1/2" | FECL063     |
| 3"     | FECL076     |
| 4"     | FECL101     |
| 5"     | FECL125     |
| 6"     | FECL150     |
| 8"     | FECL200     |
| 10"    | FECL250     |
| 12"    | FECL300     |

### CAP 316 SS



| SIZE   | PART NO     |
|--------|-------------|
| 1/2"   | FECA012.018 |
| 3/4"   | FECA018.018 |
| 1"     | FECA025.038 |
| 1 1/4" | FECA032.038 |
| 1 1/2" | FECA038.038 |
| 2"     | FECA050     |
| 2 1/2" | FECA063     |
| 3"     | FECA076     |
| 4"     | FECA101     |
| 5"     | FECA125     |
| 6"     | FECA150     |
| 8"     | FECA200     |
| 10"    | FECA250     |
| 12"    | FECA300     |

## TRI-CLOVER FITTINGS

### TRI-CLOVER 316 SS CRIMP HOSE TAIL



| SIZE   | PART NO      |
|--------|--------------|
| 1"     | TRICL-025-HT |
| 1 1/2" | TRICL-038-HT |
| 2"     | TRICL-050-HT |
| 2 1/2" | TRICL-063-HT |
| 3"     | TRICL-076-HT |
| 4"     | TRICL-101-HT |

### HYGIENIC CRIMP FERRULE 304 SS



| SIZE   | HOSE OD RANGE MM | PART NO               |
|--------|------------------|-----------------------|
| 1"     | 34-38            | SS-FERRULE025-34-38   |
| 1 1/2" | 48-52            | SS-FERRULE038-48-52   |
| 1 1/2" | 52-56            | SS-FERRULE038-52-56   |
| 2"     | 60-65            | SS-FERRULE050-60-65   |
| 2"     | 65-69            | SS-FERRULE050-65-69   |
| 2 1/2" | 74-78            | SS-FERRULE063-74-78   |
| 3"     | 87-92            | SS-FERRULE076-87-92   |
| 4"     | 116-120          | SS-FERRULE101-116-120 |

# TRI-CLOVER FITTINGS

## TYPE 1 (NON FLANGED) TRI-CLOVER SEALS

\* AVAILABLE ON REQUEST

|        | TEFLON  | VITON   | EPDM    | EPDM    | NITRLE  | SILICONE      |
|--------|---------|---------|---------|---------|---------|---------------|
| SIZE   | (WHITE) | (BLACK) | (BLACK) | (WHITE) | (BLACK) | (TRANSLUCENT) |
| 1/2"   | FET012  | FEV012  | FEE012  | FEEW012 | FEN012  | *             |
| 3/4"   | FET018  | FEV018  | FEE018  | FEEW018 | FEN018  | *             |
| 1"     | FET025  | FEV025  | FEE025  | FEEW025 | FEN025  | FES025        |
| 1 1/4" | FET032  | FEV032  | FEE032  | FEEW032 | FEN032  | FES032        |
| 1 1/2" | FET038  | FEV038  | FEE038  | FEEW038 | FEN038  | FES038        |
| 2"     | FET050  | FEV050  | FEE050  | FEEW050 | FEN050  | FES050        |
| 2 1/2" | FET063  | FEV063  | FEE063  | FEEW063 | FEN063  | FES063        |
| 3"     | FET076  | FEV076  | FEE076  | FEEW076 | FEN076  | FES076        |
| 4"     | FET101  | FEV101  | FEE101  | FEEW101 | FEN101  | FES101        |
| 5"     | FET125  | *       | *       | *       | *       | *             |
| 6"     | FET150  | FEV150  | *       | *       |         |               |
| 8"     | FET200  | FEV200  | *       | FEEW200 |         |               |
| 10"    | FET250  | *       | *       | *       |         |               |
| 12"    | FET300  | *       | *       | *       |         |               |



## TYPE2 (FLANGED) TRI-CLOVER SEALS

\* AVAILABLE ON REQUEST

|        | EPDM     | VITON    | NITRLE   | SILICONE      | EPDM      |
|--------|----------|----------|----------|---------------|-----------|
| SIZE   | (BLACK)  | (BLACK)  | (BLACK)  | (TRANSLUCENT) | (WHITE)   |
| 1"     | FEET2025 | *        | *        | *             | *         |
| 1 1/4" | FEET2032 | *        | *        | *             | *         |
| 1 1/2" | FEET2038 | *        | *        | *             | *         |
| 2"     | FEET2050 | *        | *        | *             | *         |
| 2 1/2" | FEET2063 | *        | *        | *             | *         |
| 3"     | FEET2076 | *        | *        | *             | *         |
| 4"     | FEET2101 | *        | *        | *             | *         |
| 5"     | FEET2125 | FEV125T2 | *        | *             | FEEW125T2 |
| 6"     | FEET2150 | FEV150T2 | *        | FES150T2      | FEEW150T2 |
| 8"     | FEET2200 | *        | FEN200T2 | FES200T2      |           |
| 10"    | FEET2250 | *        | *        | *             |           |
| 12"    | FEET2300 | FEV300T2 | *        | *             |           |



## SPECIAL TRI-CLOVER SEALS

\* AVAILABLE ON REQUEST

|        | ENVELOPE      | ENVELOPE      |            | PIPE      | TEFLON     | TEFLON     | TEFLON     |
|--------|---------------|---------------|------------|-----------|------------|------------|------------|
|        | TEFLON EPDM   | TEFLON VITON  | EPDM BLANK | EPDM      | MESH       | MESH       | MESH       |
| SIZE   | (WHITE+BLACK) | (WHITE+BLACK) | (BLACK)    | (BLACK)   | 50MICRON   | 100 MICRON | 150MICRON  |
| 1"     | FETE025MM     | FETV025MM     | FEES025    | *         | FETM025050 | FETM025100 | FETM025150 |
| 1 1/4" | *             |               | *          | *         | *          | *          | *          |
| 1 1/2" | FETE038MM     | FETV038MM     | *          | *         | FETM038050 | FETM038100 | FETM038150 |
| 2"     | FETE050MM     | FETV050MM     | FEES050    | *         | FETM050050 | FETM050100 | FETM050150 |
| 2 1/2" | FETE063MM     | FETV063MM     | *          | *         | *          | *          | *          |
| 3"     | FETE076MM     | FETV076MM     | *          | FEPE076T2 | *          | *          | *          |
| 4"     | FETE101MM     | FETV101MM     | *          | FEPE101   | *          | *          | *          |



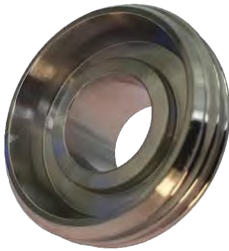
## DIN FITTINGS

### NUT 304 SS



| SIZE          | PART NO |
|---------------|---------|
| 1/2" / 10MM   | DINN010 |
| 3/4" / 15MM   | DINN015 |
| 3/4" / 20MM   | DINN020 |
| 1" / 25MM     | DINN025 |
| 1 1/4" 32MM   | DINN032 |
| 1 1/2" / 38MM | DINN038 |
| 2" / 50MM     | DINN050 |
| 2 1/2" / 63MM | DINN063 |
| 3" / 76MM     | DINN076 |
| 4" / 101MM    | DINN101 |

### MALE 316 SS



| SIZE          | PART NO |
|---------------|---------|
| 1/2" / 10MM   | DINM010 |
| 3/4" / 15MM   | DINM015 |
| 3/4" / 20MM   | DINM020 |
| 1" / 25MM     | DINM025 |
| 1 1/4" 32MM   | DINM032 |
| 1 1/2" / 38MM | DINM038 |
| 2" / 50MM     | DINM050 |
| 2 1/2" / 63MM | DINM063 |
| 3" / 76MM     | DINM076 |
| 4" / 101MM    | DINM101 |

### LINER 316 SS



| SIZE          | PART NO |
|---------------|---------|
| 1/2" / 10MM   | DINL010 |
| 3/4" / 15MM   | DINL015 |
| 3/4" / 20MM   | DINL020 |
| 1" / 25MM     | DINL025 |
| 1 1/4" 32MM   | DINL032 |
| 1 1/2" / 38MM | DINL038 |
| 2" / 50MM     | DINL050 |
| 2 1/2" / 63MM | DINL063 |
| 3" / 76MM     | DINL076 |
| 4" / 101MM    | DINL101 |



## DIN FITTINGS

### BLANK LINER 316 SS

\* AVAILABLE ON REQUEST



| SIZE          | PART NO  |
|---------------|----------|
| 1/2" / 10MM   | *        |
| 3/4" / 15MM   | *        |
| 3/4" / 20MM   | *        |
| 1" / 25MM     | DINLB025 |
| 1 1/4" 32MM   | *        |
| 1 1/2" / 38MM | DINLB038 |
| 2" / 50MM     | DINLB050 |
| 2 1/2" / 63MM | DINLB063 |
| 3" / 76MM     | DINLB076 |
| 4" / 101MM    | DINLB101 |

### DIN SEALS

\* AVAILABLE ON REQUEST



| SIZE          | MATERIAL | MATERIAL |
|---------------|----------|----------|
|               | EPDM     | VITON    |
| 1/2" / 10MM   | DINE010  | *        |
| 3/4" / 15MM   | DINE015  | *        |
| 3/4" / 20MM   | DINE020  | DINV020  |
| 1" / 25MM     | DINE025  | DINV025  |
| 1 1/4" 32MM   | DINE032  | *        |
| 1 1/2" / 38MM | DINE038  | DINV038  |
| 2" / 50MM     | DINE050  | DINV050  |
| 2 1/2" / 63MM | DINE063  | DINV063  |
| 3" / 76MM     | DINE076  | DINV076  |
| 4" / 101MM    | DINE101  | DINV101  |
| 5" / 125MM    | DINE125  | *        |
| 6" / 150MM    | DINE150  | *        |

## SMS FITTINGS

### NUT 304 SS



| SIZE          | PART NO |
|---------------|---------|
| 1" / 25MM     | SMSN025 |
| 1 1/2" / 38MM | SMSN038 |
| 2" / 50MM     | SMSN050 |
| 2 1/2" / 63MM | SMSN063 |
| 3" / 76MM     | SMSN076 |
| 4" / 101MM    | SMSN101 |

### MALE 316 SS



| SIZE          | PART NO |
|---------------|---------|
| 1" / 25MM     | SMSM025 |
| 1 1/2" / 38MM | SMSM038 |
| 2" / 50MM     | SMSM050 |
| 2 1/2" / 63MM | SMSM063 |
| 3" / 76MM     | SMSM076 |
| 4" / 101MM    | SMSM101 |

### LINER 316 SS



| SIZE          | PART NO |
|---------------|---------|
| 1" / 25MM     | SMSL025 |
| 1 1/2" / 38MM | SMSL038 |
| 2" / 50MM     | SMSL050 |
| 2 1/2" / 63MM | SMSL063 |
| 3" / 76MM     | SMSL076 |
| 4" / 101MM    | SMSL101 |

### SMS SEALS



| SIZE          | EPDM    | VITON   |
|---------------|---------|---------|
| 1" / 25MM     | SMSE025 | SMSV025 |
| 1 1/2" / 38MM | SMSE038 | SMSV038 |
| 2" / 50MM     | SMSE050 | SMSV050 |
| 2 1/2" / 63MM | SMSE063 | SMSV063 |
| 3" / 76MM     | SMSE076 | SMSV076 |
| 4" / 101MM    | SMSE101 | SMSV101 |

## SPANNERS & HOSE TAILS

### BSM ALUMINIUM SPANNER



| SIZE   | PART NO |
|--------|---------|
| 1"     | SPAL025 |
| 1 1/2" | SPAL038 |
| 2"     | SPAL050 |
| 2 1/2" | SPAL063 |
| 3"     | SPAL076 |
| 4"     | SPAL101 |
| 5"     | SPAL125 |
| 6"     | SPAL150 |

### ROUND SLOT NUT SS SPANNER



| SIZE    | PART NO |
|---------|---------|
| 1" - 4" | SPCSS   |

### DOUBLE ROLLED HOSE TAILS 304 SS



| SIZE   | LENGTH | PART NO  |
|--------|--------|----------|
| 1"     | 180MM  | BSPTA025 |
| 1 1/4" | 180MM  | BSPTA032 |
| 1 1/2" | 180MM  | BSPTA038 |
| 2"     | 180MM  | BSPTA050 |
| 2 1/2" | 180MM  | BSPTA063 |
| 3"     | 180MM  | BSPTA076 |
| 4"     | 180MM  | BSPTA101 |

### MACHINED HOSE JOINER 316 SS



| SIZE   | PART NO  |
|--------|----------|
| 1/2"   | BSPTA012 |
| 3/4"   | BSPTA018 |
| 1"     | BSPTA025 |
| 1 1/4" | BSPTA032 |
| 1 1/2" | BSPTA038 |
| 2"     | BSPTA050 |
| 2 1/2" | BSPTA063 |
| 3"     | BSPTA076 |
| 4"     | BSPTA101 |

# TUBE REDUCERS

## CONCENTRIC TUBE REDUCERS 316 SS

| SIZE          | PART NO   |
|---------------|-----------|
| 1/4 - 3/8     | RC009-006 |
| 1/4 - 1/2     | RC012-006 |
| 3/8 - 1/2     | RC012-009 |
| 1/2 - 3/4     | RC018-012 |
| 1/2 - 1       | RC025-012 |
| 3/4 - 1       | RC025-018 |
| 3/4 - 1 1/4   | RC032-018 |
| 1 - 1 1/4     | RC032-025 |
| 1/2 - 1 1/4   | RC038-012 |
| 3/4 - 1 1/2   | RC038-018 |
| 1 - 1 1/2     | RC038-025 |
| 1 1/4 - 1 1/2 | RC038-032 |
| 1/2 - 2       | RC050-012 |
| 3/4 - 2       | RC050-018 |
| 1 - 2         | RC050-025 |
| 1 1/4 - 2     | RC050-032 |
| 1 1/2 - 2     | RC050-038 |

| SIZE          | PART NO   |
|---------------|-----------|
| 1 - 2 1/2     | RC063-025 |
| 1 1/4 - 2 1/2 | RC063-032 |
| 1 1/2 - 2 1/2 | RC063-038 |
| 2 - 2 1/2     | RC063-050 |
| 1 - 3         | RC076-025 |
| 1 1/4 - 3     | RC076-032 |
| 1 1/2 - 3     | RC076-038 |
| 2 - 3         | RC076-050 |
| 2 1/2 - 3     | RC076-063 |
| 3/4 - 4       | RC101-018 |
| 1 - 4         | RC101-025 |
| 1 1/2 - 4     | RC101-038 |
| 2 - 4         | RC101-050 |
| 2 1/2 - 4     | RC101-063 |
| 3 - 4         | RC101-076 |

| SIZE      | PART NO   |
|-----------|-----------|
| 2 - 5     | RC125-050 |
| 2 1/2 - 5 | RC125-063 |
| 3 - 5     | RC125-076 |
| 4 - 5     | RC125-100 |
| 2 - 6     | RC150-050 |
| 3 - 6     | RC150-076 |
| 4 - 6     | RC150-101 |
| 5 - 6     | RC150-127 |
| 4 - 8     | RC200-100 |
| 5 - 8     | RC200-125 |
| 6 - 8     | RC200-150 |



## ECCENTRIC TUBE REDUCERS 316 SS

| SIZE          | PART NO   |
|---------------|-----------|
| 1/4 - 3/8     | RE009-006 |
| 1/4 - 1/2     | RE012-006 |
| 3/8 - 1/2     | RE012-009 |
| 1/2 - 3/4     | RE018-012 |
| 1/2 - 1       | RE025-012 |
| 3/4 - 1       | RE025-018 |
| 3/4 - 1 1/4   | RE032-018 |
| 1 - 1 1/4     | RE032-025 |
| 1/2 - 1 1/4   | RE038-012 |
| 3/4 - 1 1/2   | RE038-018 |
| 1 - 1 1/2     | RE038-025 |
| 1 1/4 - 1 1/2 | RE038-032 |
| 1/2 - 2       | RE050-012 |
| 3/4 - 2       | RE050-018 |
| 1 - 2         | RE050-025 |
| 1 1/4 - 2     | RE050-032 |
| 1 1/2 - 2     | RE050-038 |

| SIZE          | PART NO   |
|---------------|-----------|
| 1 - 2 1/2     | RE063-025 |
| 1 1/4 - 2 1/2 | RE063-032 |
| 1 1/2 - 2 1/2 | RE063-038 |
| 2 - 2 1/2     | RE063-050 |
| 1 - 3         | RE076-025 |
| 1 1/4 - 3     | RE076-032 |
| 1 1/2 - 3     | RE076-038 |
| 2 - 3         | RE076-050 |
| 2 1/2 - 3     | RE076-063 |
| 3/4 - 4       | RE101-018 |
| 1 - 4         | RE101-025 |
| 1 1/2 - 4     | RE101-038 |
| 2 - 4         | RE101-050 |
| 2 1/2 - 4     | RE101-063 |
| 3 - 4         | RE101-076 |

| SIZE      | PART NO   |
|-----------|-----------|
| 2 - 5     | RE125-050 |
| 2 1/2 - 5 | RE125-063 |
| 3 - 5     | RE125-076 |
| 4 - 5     | RE125-101 |
| 2 - 6     | RE150-050 |
| 3 - 6     | RE150-076 |
| 4 - 6     | RE150-101 |
| 5 - 6     | RE150-125 |
| 4 - 8     | RE200-101 |
| 5 - 8     | RE200-125 |
| 6 - 8     | RE200-150 |



## TUBE BENDS

### 45 DEGREE BEND 316 SS



| SIZE   | PART NO        |
|--------|----------------|
| 1/2"   | BE045-012MM316 |
| 3/4"   | BE045-018MM316 |
| 1"     | BE045-025MM316 |
| 1 1/4" | BE045-032MM316 |
| 1 1/2" | BE045-038MM316 |
| 2"     | BE045-050MM316 |
| 2 1/2" | BE045-063MM316 |
| 3"     | BE045-076MM316 |
| 4"     | BE045-101MM316 |
| 5"     | BE045-125MM316 |
| 6"     | BE045-150MM316 |
| 8"     | BE045-200MM316 |

### 90 DEGREE BEND 316 SS



| SIZE   | PART NO        |
|--------|----------------|
| 1/2"   | BE090-012MM316 |
| 5/8"   | BE090-015MM316 |
| 3/4"   | BE090-018MM316 |
| 1"     | BE090-025MM316 |
| 1 1/4" | BE090-032MM316 |
| 1 1/2" | BE090-038MM316 |
| 2"     | BE090-050MM316 |
| 2 1/2" | BE090-063MM316 |
| 3"     | BE090-076MM316 |
| 4"     | BE090-101MM316 |
| 5"     | BE090-125MM316 |
| 6"     | BE090-150MM316 |
| 8"     | BE090-200MM316 |

### 90 DEGREE SHORT RADIUS BEND 316 SS



| SIZE   | PART NO         |
|--------|-----------------|
| 1"     | BE090S-025MM316 |
| 1 1/2" | BE090S-038MM316 |
| 2"     | BE090S-050MM316 |
| 2 1/2" | BE090S-063MM316 |
| 3"     | BE090S-076MM316 |
| 4"     | BE090S-101MM316 |

### 180 DEGREE BEND 316 SS



| SIZE   | PART NO        |
|--------|----------------|
| 3/4"   | BE180-018MM316 |
| 1"     | BE180-025MM316 |
| 1 1/2" | BE180-038MM316 |
| 2"     | BE180-050MM316 |
| 2 1/2" | BE180-063MM316 |
| 3"     | BE180-076MM316 |
| 4"     | BE180-101MM316 |

# TUBE TEES

## Y TEE 316 SS



| SIZE   | PART NO        |
|--------|----------------|
| 3/4"   | BE180-018MM316 |
| 1"     | BE180-025MM316 |
| 1 1/2" | BE180-038MM316 |
| 2"     | BE180-050MM316 |
| 2 1/2" | BE180-063MM316 |
| 3"     | BE180-076MM316 |
| 4"     | BE180-101MM316 |

## CROSS TEE 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1/2"   | TEEX12  |
| 3/4"   | TEEX18  |
| 1"     | TEEX25  |
| 1 1/2" | TEEX38  |
| 2"     | TEEX50  |

## EQUAL TEE 316 SS



| SIZE   | PART NO    |
|--------|------------|
| 1/2"   | TEE012X316 |
| 3/4"   | TEE018X316 |
| 1"     | TEE025X316 |
| 1 1/4" | TEE032X316 |
| 1 1/2" | TEE038X316 |
| 2"     | TEE050X316 |
| 2 1/2" | TEE063X316 |
| 3"     | TEE076X316 |
| 4"     | TEE101X316 |
| 5"     | TEE125X316 |
| 6"     | TEE150X316 |
| 8"     | TEE200X316 |

## SWEEP TEE 316 SS



| SIZE | PART NO |
|------|---------|
| 3"   | TEES076 |
| 4"   | TEES101 |

## 45 DEGREE TEE 316 SS



| SIZE | PART NO  |
|------|----------|
| 2"   | TEE45050 |
| 3"   | TEE45076 |
| 4"   | TEE45101 |

# FLANGES

## FLANGE 316 SS



|               | TUBE     | TUBE     |
|---------------|----------|----------|
|               | TABLE E  | TABLE D  |
| SIZE          | 316      | 316      |
| 1" / 25MM     | FLTTE025 | FLTTD025 |
| 1 1/4" / 32MM | FLTTE032 | FLTTD032 |
| 1 1/2" / 38MM | FLTTE038 | FLTTD038 |
| 2" / 50MM     | FLTTE050 | FLTTD050 |
| 2 1/2" / 63MM | FLTTE063 | FLTTD063 |
| 3" / 76MM     | FLTTE076 | FLTTD076 |
| 4" / 101MM    | FLTTE101 | FLTTD101 |
| 6" / 150MM    | FLTTE150 | FLTTD150 |
| 8" / 200MM    | FLTTE200 | FLTTD200 |
| 10" / 250MM   | FLTTE250 | FLTTD250 |
| 12" / 300MM   | FLTTE300 | FLTTD300 |

## GASKETS

Flange gaskets are made to order.

We can make DIN, ANSI and Table gaskets.

They are available in Viton, Teflon, EPDM, Nitrile, Silicone and Insertion Rubber.

## SEALING FLANGES 304 NBR SEAL

| SIZE          | PART NO | OD    | FIXING HOLES | PIECES |
|---------------|---------|-------|--------------|--------|
| 1/2" / 12MM   | SF012   | 87MM  | 3            | 3      |
| 3/4" / 18MM   | SF018   | 87MM  | 3            | 3      |
| 1" / 25MM     | SF025   | 87MM  | 3            | 3      |
| 1 1/4" / 32MM | SF032   | 119MM | 4            | 3      |
| 1 1/2" / 38MM | SF038   | 119MM | 4            | 3      |
| 2" / 50MM     | SF050   | 119MM | 5            | 3      |
| 2 1/2" / 63MM | SF063   | 141MM | 5            | 3      |
| 3" / 76MM     | SF076   | 141MM | 6            | 3      |
| 4" / 101MM    | SF101   | 180MM | 6            | 3      |
| 5" / 125MM    | SF125   | 180MM | 8            | 2      |
| 6" / 150MM    | SF150   | 219MM | 8            | 2      |
| 8" / 200MM    | SF200   | 280MM | 8            | 2      |
| 10" / 250MM   | SF250   | 330MM | 12           | 2      |





# MANWAYS & SPRAY BALLS

## SPRAY BALLS 316 SS



| CONNECTION SIZE | BALL SIZE | HOLE SIZE | SPRAY    | MATERIAL | PART NO       |
|-----------------|-----------|-----------|----------|----------|---------------|
| 3/4" / 18MM     | 40MM      | 1.6MM     | FULL     | 316      | SB40-18H1.6   |
| 1" / 25MM       | 50MM      | 1.6MM     | FULL     | 316      | SB50-25H1.6   |
| 1" / 25MM       | 63MM      | 1.6MM     | FULL     | 316      | SB63-25H1.6   |
| 1" / 25MM       | 63MM      | 2.5MM     | FULL     | 316      | SB63-25H2.5   |
| 1" / 25MM       | 63MM      | 1.6MM     | TOPSPRAY | 316      | SB63-25H1.6TS |
| 1 1/2" / 38MM   | 63MM      | 2.5MM     | FULL     | 316      | SB63-38H2.5   |
| 2" / 50MM       | 90MM      | 2.5MM     | FULL     | 316      | SB90-50H2.5   |

## OVAL MANWAY 316 SS WITH SILICONE SEAL



| SIZE        | NECK  | PART NO    |
|-------------|-------|------------|
| 530 X 430MM | 100MM | MOV530-430 |

| SIZE        | PART NO |
|-------------|---------|
| 530 X 430MM | MORSEAL |

## ROUND MANWAY 316 SS WITH SILICONE SEAL



| SIZE  | NECK  | PART NO |
|-------|-------|---------|
| 300MM | 100MM | MRD300  |
| 420MM | 100MM | MRD420  |
| 450MM | 100MM | MRD450  |
| 500MM | 100MM | MRD500  |
| 600MM | 100MM | MRD600  |

## RECTANGLE MANWAY 316 SS WITH SILICONE SEAL



| SIZE        | NECK  | PART NO   |
|-------------|-------|-----------|
| 430 X 330MM | 100MM | MR430-330 |
| 535 X 435MM | 100MM | MR535-435 |

# IHC & ITS TUBE CLAMPS

## IHC 304 SS



| SIZE          | PART NO  | SIZE   | SIZE |
|---------------|----------|--------|------|
| 1/2" 12MM     | IHC012mm |        | M6   |
| 3/4" 18MM     | IHC018mm |        | M6   |
| 1" / 25MM     | IHC025mm | 25 X 3 | M8   |
| 1 1/4" 32MM   | IHC032mm | 25 X 3 | M8   |
| 1 1/2" / 38MM | IHC038mm | 25 X 3 | M8   |
| 2" / 50MM     | IHC050mm | 25 X 3 | M8   |
| 2 1/2" / 63MM | IHC063mm | 25 X 3 | M8   |
| 3" / 76MM     | IHC076mm | 25 X 3 | M8   |
| 4" / 101MM    | IHC101mm | 25 X 3 | M8   |

## IHC TANG 304 SS



| SIZE          | PART NO   | SIZE   | SIZE |
|---------------|-----------|--------|------|
| 1" / 25MM     | IHCT025mm | 25 X 3 | M6   |
| 1 1/4" 32MM   | IHCT032mm | 25 X 3 | M6   |
| 1 1/2" / 38MM | IHCT038mm | 25 X 3 | M8   |
| 2" / 50MM     | IHCT050mm | 25 X 3 | M8   |
| 2 1/2" / 63MM | IHCT063mm | 25 X 3 | M8   |
| 3" / 76MM     | IHCT076mm | 25 X 3 | M8   |
| 4" / 101MM    | IHCT101mm | 25 X 3 | M8   |

## IHC BOSSED304 SS



| SIZE          | PART NO   | SIZE   | SIZE |
|---------------|-----------|--------|------|
| 1" / 25MM     | IHCB025mm | 25 X 3 | M8   |
| 1 1/4" 32MM   | IHCB032mm | 25 X 3 | M8   |
| 1 1/2" / 38MM | IHCB038mm | 25 X 3 | M8   |
| 2" / 50MM     | IHCB050mm | 25 X 3 | M8   |
| 2 1/2" / 63MM | IHCB063mm | 25 X 3 | M8   |
| 3" / 76MM     | IHCB076mm | 25 X 3 | M8   |
| 4" / 101MM    | IHCB101mm | 25 X 3 | M8   |

# IHC & ITS TUBE CLAMPS

## ITS 304 SS



| SIZE          | PART NO  | SIZE   | SIZE |
|---------------|----------|--------|------|
| 3/4" 18M      | ITS018mm | 25 X 3 | M6   |
| 1" / 25MM     | ITS025mm | 25 X 3 | M6   |
| 1 1/4" 32MM   | ITS032mm | 25 X 3 | M8   |
| 1 1/2" / 38MM | ITS038mm | 25 X 3 | M8   |
| 2" / 50MM     | ITS050mm | 25 X 3 | M8   |
| 2 1/2" / 63MM | ITS063mm | 25 X 3 | M8   |
| 3" / 76MM     | ITS076mm | 25 X 3 | M8   |
| 4" / 101MM    | ITS101mm | 25 X 3 | M8   |

## ITS TANG 304 SS



| SIZE          | PART NO   | SIZE   | SIZE |
|---------------|-----------|--------|------|
| 3/4" 18M      | ITST018mm | 25 X 3 | M6   |
| 1" / 25MM     | ITST025mm | 25 X 3 | M6   |
| 1 1/4" 32MM   | ITST032mm | 25 X 3 | M8   |
| 1 1/2" / 38MM | ITST038mm | 25 X 3 | M8   |
| 2" / 50MM     | ITST050mm | 25 X 3 | M8   |
| 2 1/2" / 63MM | ITST063mm | 25 X 3 | M8   |
| 3" / 76MM     | ITST076mm | 25 X 3 | M8   |
| 4" / 101MM    | ITST101mm | 25 X 3 | M8   |

## ITS BOSSED 304 SS



| SIZE          | PART NO   | SIZE   | SIZE |
|---------------|-----------|--------|------|
| 3/4" 18M      | ITST018mm | 25 X 3 | M6   |
| 1" / 25MM     | ITST025mm | 25 X 3 | M6   |
| 1 1/4" 32MM   | ITST032mm | 25 X 3 | M8   |
| 1 1/2" / 38MM | ITST038mm | 25 X 3 | M8   |
| 2" / 50MM     | ITST050mm | 25 X 3 | M8   |
| 2 1/2" / 63MM | ITST063mm | 25 X 3 | M8   |
| 3" / 76MM     | ITST076mm | 25 X 3 | M8   |
| 4" / 101MM    | ITST101mm | 25 X 3 | M8   |

## DOUBLE BOLT CLAMPS & SADDLES

### DOUBLE BOLT PIPE CLAMPS 304 SS

|               |            | MATERIAL | BOLT |
|---------------|------------|----------|------|
| SIZE          | PART NO    | SIZE     | SIZE |
| 1/2" / 12MM   | DBP012mm   | 25 X 3   | M8   |
| 3/4" / 18MM   | DBP018mm   | 25 X 3   | M8   |
| 1" / 25MM     | DBP025mm   | 25 X 3   | M8   |
| 1 1/4" / 32MM | DBP032mm   | 25 X 3   | M8   |
| 1 1/2" / 38MM | DBP038mm   | 25 X 3   | M8   |
| 2" / 50MM     | DBP050mm   | 25 X 3   | M8   |
| 2" / 50MM     | DBPHD050mm | 40 X 5   | M8   |
| 2 1/2" / 63MM | DBP063mm   | 25 X 3   | M8   |
| 2 1/2" / 63MM | DBPHD063mm | 40 X 5   | M8   |
| 3" / 76MM     | DBP076mm   | 25 X 3   | M8   |
| 3" / 76MM     | DBPHD076mm | 40 X 5   | M8   |
| 4" / 101MM    | DBP101mm   | 25 X 3   | M8   |
| 4" / 101MM    | DBPHD101mm | 40 X 5   | M8   |
| 5" / 125MM    | DBP125mm   | 25 X 3   | M8   |
| 5" / 125MM    | DBPHD125mm |          |      |
| 6" / 150MM    | DBP150mm   | 25 X 3   | M8   |
| 6" / 150MM    | DBPHD150mm | 40 X 5   | M8   |
| 8" / 200MM    | DBP200mm   | 40 X 5   | M10  |
| 10" / 250MM   | DBP250mm   | 40 X 5   | M10  |
| 12" / 300MM   | DBP300mm   | 40 X 5   | M10  |
| 14" / 350MM   | DBP350mm   | 40 X 5   | M12  |



### PIPE SADDLE 316 SS

|               |         | MATERIAL | HOLE |
|---------------|---------|----------|------|
| SIZE          | PART NO | SIZE     | SIZE |
| 3/4" 18MM     | PSAD018 | 25 x 3   | 6.5  |
| 1" / 25MM     | PSAD025 | 25 x 3   | 6.5  |
| 1 1/4" 32MM   | PSAD032 | 25 x 3   | 6.5  |
| 1 1/2" / 38MM | PSAD038 | 25 x 3   | 6.5  |
| 2" / 50MM     | PSAD050 | 25 x 3   | 6.5  |
| 2 1/2" / 63MM | PSAD063 | 25 x 3   | 6.5  |
| 3" / 76MM     | PSAD076 | 25 x 3   | 6.5  |
| 4" / 101MM    | PSAD101 | 25 x 3   | 6.5  |
| 6" / 150MM    | PSAD150 | 30 x 3   | 6.5  |



# DOUBLE BOLT CLAMPS & SADDLES

## DOUBLE BOLT TUBE CLAMPS 304 SS

316 Clamps available on request.

|               |            | MATERIAL | BOLT |
|---------------|------------|----------|------|
| SIZE          | PART NO    | SIZE     | SIZE |
| 1/2" / 12MM   | DBT012mm   | 20 X 2   | M6   |
| 3/4" / 18MM   | DBT018mm   | 25 X 3   | M8   |
| 1" / 25MM     | DBT025mm   | 25 X 3   | M8   |
| 1 1/4" / 32MM | DBT032mm   | 25 X 3   | M8   |
| 1 1/2" / 38MM | DBT038mm   | 25 X 3   | M8   |
| 2" / 50MM     | DBT050mm   | 25 X 3   | M8   |
| 2" / 50MM     | DBTHD050mm | 40 v 5   | M8   |
| 2 1/2" / 63MM | DBT063mm   | 25 X 3   | M8   |
| 2 1/2" / 63MM | DBTHD063   | 40 X 5   | M8   |
| 3" / 76MM     | DBT076mm   | 25 X 3   | M8   |
| 3" / 76MM     | DBTHD076   | 40 X 5   | M8   |
| 4" / 101MM    | DBT101mm   | 25 X 3   | M8   |
| 4" / 101MM    | DBTHD101mm | 40 X 5   | M8   |
| 5" / 125MM    | DBT125mm   | 25 X 3   | M8   |
| 5" / 125MM    | DBTHD125mm | 40 X 5   | M8   |
| 6" / 150MM    | DBT150mm   | 30 X 3   | M8   |
| 6" / 150MM    | DBTHD150mm | 40 X 5   | M8   |
| 8" / 200MM    | DBT200mm   | 40 X 5   | M10  |
| 10" / 250MM   | DBT250mm   | 40 X 5   | M10  |
| 12" / 300MM   | DBT300mm   | 40 X 5   | M12  |
| 14" / 350MM   | DBT350mm   | 40 X 5   | M12  |



## TUBE SADDLE 316 SS

|               |         | MATERIAL | HOLE |
|---------------|---------|----------|------|
| SIZE          | PART NO | SIZE     | SIZE |
| 1" / 25MM     | TSAD025 | 25 x 3   | 6.5  |
| 1 1/4" 32MM   | TSAD032 | 25 x 3   | 6.5  |
| 1 1/2" / 38MM | TSAD038 | 25 x 3   | 6.5  |
| 2" / 50MM     | TSAD050 | 25 x 3   | 6.5  |
| 2 1/2" / 63MM | TSAD063 | 25 x 3   | 6.5  |
| 3" / 76MM     | TSAD076 | 25 x 3   | 6.5  |
| 4" / 101MM    | TSAD101 | 25 x 3   | 6.5  |
| 6" / 150MM    | TASD150 | 30 x 3   | 6.5  |



## LIGHT DUTY SADDLES & CLIPS

### LIGHT DUTY SINGLE SADDLE 316 SS

| SIZE                 | PART NO    | HOLE SIZE | STAINLESS 316 |
|----------------------|------------|-----------|---------------|
| 1/8" Single Saddle   | SAD004X1   | 6.5mm     | 12 X 1.6      |
| 1/4" Single Saddle   | SAD006X1   | 6.5mm     | 12 X 1.6      |
| 6mm Single Saddle    | SAD006mmX1 | 6.5mm     | 12 X 1.6      |
| 8mm Single Saddle    | SAD008mmX1 | 6.5mm     | 12 X 1.6      |
| 10mm Single Saddle   | SAD010mmX1 | 6.5mm     | 12 X 1.6      |
| 3/8" Single Saddle   | SAD010X1   | 6.5mm     | 12 X 1.6      |
| 12mm Single Saddle   | SAD012mmX1 | 6.5mm     | 12 X 1.6      |
| 1/2" Single Saddle   | SAD012X1   | 6.5mm     | 12 X 1.6      |
| 3/4" Single Saddle   | SAD020X1   | 6.5mm     | 20 X1.6       |
| 1" Single Saddle     | SAD025X1   | 6.5mm     | 20 X1.6       |
| 1 1/4" Single Saddle | SAD032X1   | 9.5mm     | 20 X1.6       |
| 1 1/2" Single Saddle | SAD038X1   | 9.5mm     | 20 X1.6       |
| 2" Single Saddle     | SAD050X1   | 9.5mm     | 25 X1.6       |
| 2 1/2" Single Saddle | SAD063X1   | 9.5mm     | 25 X1.6       |
| 3" Single Saddle     | SAD076X1   | 9.5mm     | 25 X1.6       |
| 4" Single Saddle     | SAD101X1   | 9.5mm     | 25 X1.6       |



### LIGHT DUTY DOUBLE SADDLE 316 SS

| SIZE               | PART NO  | HOLE SIZE | STAINLESS 316 |
|--------------------|----------|-----------|---------------|
| 1/4" Double Saddle | SAD006X2 | 6.5mm     | 12 X 1.6      |
| 3/8" Double Saddle | SAD008X2 | 6.5mm     | 12 X 1.6      |
| 1/2" Double Saddle | SAD010X2 | 6.5mm     | 12 X 1.6      |



### LIGHT DUTY TRIPLE SADDLE 316 SS

| SIZE               | PART NO  | HOLE SIZE | STAINLESS 316 |
|--------------------|----------|-----------|---------------|
| 1/4" Triple Saddle | SAD006X3 | 6.5mm     | 12 X 1.6      |
| 3/8" Triple Saddle | SAD008X3 | 6.5mm     | 12 X 1.6      |
| 1/2" Triple Saddle | SAD010X3 | 6.5mm     | 12 X 1.6      |



### LIGHT DUTY QUADRUPL SADDLE 316 SS

| SIZE                  | PART NO  | HOLE SIZE | STAINLESS 316 |
|-----------------------|----------|-----------|---------------|
| 1/4" Quadruple Saddle | SAD006X4 | 6.5mm     | 12 X 1.6      |
| 3/8" Quadruple Saddle | SAD008X4 | 6.5mm     | 12 X 1.6      |
| 1/2" Quadruple Saddle | SAD010X4 | 6.5mm     | 12 X 1.6      |



### LIGHT DUTY CONDUIT CLIPS 316 SS

| SIZE                        | PART NO  | HOLE SIZE | STAINLESS 316 |
|-----------------------------|----------|-----------|---------------|
| 1/2" Single Saddle 1 Hole   | SADCC012 | 6.5mm     | 20 X1.6       |
| 5/8" Single Saddle 1 Hole   | SADCC016 | 6.5mm     | 20 X1.6       |
| 3/4" Single Saddle 1 Hole   | SADCC020 | 6.5mm     | 20 X1.6       |
| 1" Single Saddle 1 Hole     | SADCC025 | 6.5mm     | 20 X1.6       |
| 1 1/4" Single Saddle 1 Hole | SADCC031 | 6.5mm     | 20 X1.6       |



## U BOLTS

### PIPE 316 SS



| SIZE | THREAD SIZE | PART NO |
|------|-------------|---------|
| 12   | M8          | UBP0012 |
| 18   | M8          | UBP0018 |
| 25   | M8          | UBP0025 |
| 38   | M8          | UBP0038 |
| 50   | M10         | UBP0050 |
| 65   | M12         | UBP0065 |
| 76   | M12         | UBP0076 |
| 100  | M12         | UBP0100 |
| 150  | M16         | UBP0150 |
| 200  | M16         | UBP0200 |
| 250  | M20         | UBP0250 |
| 300  | M20         | UBP0300 |
| 350  | M20         | UBP0350 |

### TUBE 316 SS



| SIZE | THREAD SIZE | PART NO |
|------|-------------|---------|
| 50   | M10         | UBT0050 |
| 65   | M10         | UBT0065 |
| 76   | M10         | UBT0076 |
| 100  | M12         | UBT0100 |
| 150  | M16         | UBT0150 |
| 200  | M16         | UBT0200 |
| 250  | M16         | UBT0250 |
| 300  | M20         | UBT0300 |
| 350  | M20         | UBT0350 |

## BSP FITTINGS

### BSP REDUCING BUSH 316 SS



| SIZE          | PART NO  |
|---------------|----------|
| 1/4" - 1/8"   | SSRB86   |
| 3/8" - 1/8"   | SSRB106  |
| 3/8" - 1/4"   | SSRB108  |
| 1/2" - 1/8"   | SSRB156  |
| 1/2" - 1/4"   | SSRB158  |
| 1/2" - 3/8"   | SSRB1510 |
| 3/4" - 1/8"   | SSRB206  |
| 3/4" - 1/4"   | SSRB208  |
| 3/4" - 3/8"   | SSRB2010 |
| 3/4" - 1/2"   | SSRB2015 |
| 1" - 1/4"     | SSRB258  |
| 1" - 3/8"     | SSRB2510 |
| 1" - 1/2"     | SSRB2515 |
| 1" - 3/4"     | SSRB2520 |
| 1 1/4" - 3/8" | SSRB3210 |
| 1 1/4" - 1/2" | SSRB3215 |
| 1 1/4" - 3/4" | SSRB3220 |
| 1 1/4" - 1"   | SSRB3225 |
| 1 1/2" - 1/2" | SSRB4015 |

| SIZE            | PART NO   |
|-----------------|-----------|
| 1 1/2" - 3/4"   | SSRB4020  |
| 1 1/2" - 1"     | SSRB4025  |
| 1 1/2" - 1 1/4" | SSRB4032  |
| 2" - 1/2"       | SSRB5015  |
| 2" - 3/4"       | SSRB5020  |
| 2" - 1"         | SSRB5025  |
| 2" - 1 1/4"     | SSRB5032  |
| 2" - 1 1/2"     | SSRB5040  |
| 2 1/2" - 1 1/4" | SSRB6532  |
| 2 1/2" - 1 1/2" | SSRB6540  |
| 2 1/2" - 2"     | SSRB6550  |
| 3" - 1 1/4"     | SSRB8032  |
| 3" - 1 1/2"     | SSRB8040  |
| 3" - 2"         | SSRB8050  |
| 3" - 2 1/2"     | SSRB8065  |
| 4" - 2"         | SSRB10050 |
| 4" - 2 1/2"     | SSRB10065 |
| 4" - 3"         | SSRB10080 |

### BSP HEX CAP FEMALE 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1/8"   | SSHC6   |
| 1/4"   | SSHC8   |
| 3/8"   | SSHC10  |
| 1/2"   | SSHC15  |
| 3/4"   | SSHC20  |
| 1"     | SSHC25  |
| 1 1/4" | SSHC32  |
| 1 1/2" | SSHC40  |
| 2"     | SSHC50  |
| 2 1/2" | SSHC65  |
| 3"     | SSHC80  |
| 4"     | SSHC100 |



# BSP FITTINGS

## BSP SOCKET 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1/8"   | SSMS6   |
| 1/4"   | SSMS8   |
| 3/8"   | SSMS10  |
| 1/2"   | SSMS15  |
| 3/4"   | SSMS20  |
| 1"     | SSMS25  |
| 1 1/4" | SSMS32  |
| 1 1/2" | SSMS40  |
| 2"     | SSMS50  |
| 2 1/2" | SSMS65  |
| 3"     | SSMS80  |
| 4"     | SSMS100 |

## BSP HALF SOCKET 316 SS



| SIZE   | PART NO  |
|--------|----------|
| 1/4"   | SSHMS8   |
| 3/8"   | SSHMS10  |
| 1/2"   | SSHMS15  |
| 3/4"   | SSHMS20  |
| 1"     | SSHMS25  |
| 1 1/4" | SSHMS32  |
| 1 1/2" | SSHMS40  |
| 2"     | SSHMS50  |
| 2 1/2" | SSHMS65  |
| 3"     | SSHMS80  |
| 4"     | SSHMS100 |

## BSP FITTINGS

### BSP REDUCING SOCKET 316 SS



| SIZE          | PART NO  |
|---------------|----------|
| 1/4" - 1/8"   | SSRS86   |
| 3/8" - 1/8"   | SSRS106  |
| 3/8" - 1/4"   | SSRS108  |
| 1/2" - 1/8"   | SSRS156  |
| 1/2" - 1/4"   | SSRS158  |
| 1/2" - 3/8"   | SSRS1510 |
| 3/4" - 1/8"   | SSRS206  |
| 3/4" - 1/4"   | SSRS208  |
| 3/4" - 3/8"   | SSRS2010 |
| 3/4" - 1/2"   | SSRS2015 |
| 1" - 1/4"     | SSRS258  |
| 1" - 3/8"     | SSRS2510 |
| 1" - 1/2"     | SSRS2515 |
| 1" - 3/4"     | SSRS2520 |
| 1 1/4" - 3/8" | SSRS3210 |
| 1 1/4" - 1/2" | SSRS3215 |
| 1 1/4" - 3/4" | SSRS3220 |
| 1 1/4" - 1"   | SSRS3225 |
| 1 1/2" - 1/2" | SSRS4015 |

| SIZE            | PART NO   |
|-----------------|-----------|
| 1 1/2" - 3/4"   | SSRS4020  |
| 1 1/2" - 1"     | SSRS4025  |
| 1 1/2" - 1 1/4" | SSRS4032  |
| 2" - 1/2"       | SSRS5015  |
| 2" - 3/4"       | SSRS5020  |
| 2" - 1"         | SSRS5025  |
| 2" - 1 1/4"     | SSRS5032  |
| 2" - 1 1/2"     | SSRS5040  |
| 2 1/2" - 1 1/4" | SSRS6532  |
| 2 1/2" - 1 1/2" | SSRS6540  |
| 2 1/2" - 2"     | SSRS6550  |
| 3" - 1 1/4"     | SSRS8032  |
| 3" - 1 1/2"     | SSRS8040  |
| 3" - 2"         | SSRS8050  |
| 3" - 2 1/2"     | SSRS8065  |
| 4" - 2"         | SSRS10050 |
| 4" - 2 1/2"     | SSRS10065 |
| 4" - 3"         | SSRS10080 |

### BSP FEMALE 90 DEGREE ELBOW 316 SS



| SIZE   | PART NO    |
|--------|------------|
| 1/8"   | SS90EFF6   |
| 1/4"   | SS90EFF8   |
| 3/8"   | SS90EFF10  |
| 1/2"   | SS90EFF15  |
| 3/4"   | SS90EFF20  |
| 1"     | SS90EFF25  |
| 1 1/4" | SS90EFF32  |
| 1 1/2" | SS90EFF40  |
| 2"     | SS90EFF50  |
| 2 1/2" | SS90EFF65  |
| 3"     | SS90EFF80  |
| 4"     | SS90EFF100 |

## BSP FITTINGS

### BSP MALE / FEMALE 90 DEGREE ELBOW 316 SS



| SIZE   | PART NO    |
|--------|------------|
| 1/8"   | SS90EMF6   |
| 1/4"   | SS90EMF8   |
| 3/8"   | SS90EMF10  |
| 1/2"   | SS90EMF15  |
| 3/4"   | SS90EMF20  |
| 1"     | SS90EMF25  |
| 1 1/4" | SS90EMF32  |
| 1 1/2" | SS90EMF40  |
| 2"     | SS90EMF50  |
| 2 1/2" | SS90EMF65  |
| 3"     | SS90EMF80  |
| 4"     | SS90EMF100 |

### BSP MALE / FEMALE 45 DEGREE ELBOW 316SS



| SIZE   | PART NO   |
|--------|-----------|
| 1/2"   | SS45EMF15 |
| 3/4"   | SS45EMF20 |
| 1"     | SS45EMF25 |
| 1-1/4" | SS45EMF32 |
| 1-1/2" | SS45EMF40 |
| 2"     | SS45EMF50 |

### BSP FEMALE 45 DEGREE ELBOW 316 SS



| SIZE   | PART NO    |
|--------|------------|
| 1/8"   | SS45EFF6   |
| 1/4"   | SS45EFF8   |
| 3/8"   | SS45EFF10  |
| 1/2"   | SS45EFF15  |
| 3/4"   | SS45EFF20  |
| 1"     | SS45EFF25  |
| 1 1/4" | SS45EFF32  |
| 1 1/2" | SS45EFF40  |
| 2"     | SS45EFF50  |
| 2 1/2" | SS45EFF65  |
| 3"     | SS45EFF80  |
| 4"     | SS45EFF100 |

## BSP FITTINGS

### BSP HOSE TAIL MALE 316 SS



| SIZE        | PART NO  |
|-------------|----------|
| 1/4"        | SSHT6    |
| 3/8"        | SSHT10   |
| 3/8" - 1/2" | SSHT1015 |
| 1/2"        | SSHT15   |
| 1/2" - 3/8" | SSHT1510 |
| 3/4"        | SSHT20   |
| 1/2" - 3/4" | SSHT1520 |
| 1"          | SSHT25   |
| 3/4" - 1/2" | SSHT2015 |
| 1 1/4"      | SSHT32   |
| 1 1/2"      | SSHT40   |
| 2"          | SSHT50   |
| 2 1/2"      | SSHT65   |
| 3"          | SSHT80   |
| 3/4" - 1"   | SSHT2025 |
| 4"          | SSHT100  |
| 1" - 3/4"   | SSHT2520 |

### BSP HEX NIPPLE TAPERED 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1/8"   | SSHN6   |
| 1/4"   | SSHN8   |
| 3/8"   | SSHN10  |
| 1/2"   | SSHN15  |
| 3/4"   | SSHN20  |
| 1"     | SSHN25  |
| 1 1/4" | SSHN32  |
| 1 1/2" | SSHN40  |
| 2"     | SSHN50  |
| 2 1/2" | SSHN65  |
| 3"     | SSHN80  |
| 4"     | SSHN100 |

## BSP FITTINGS

### BSP REDUCING NIPPLE 316 SS



| SIZE          | PART NO   |
|---------------|-----------|
| 1/4" - 1/8"   | SSRHN86   |
| 3/8" - 1/8"   | SSRHN106  |
| 3/8" - 1/4"   | SSRHN108  |
| 1/2" - 1/8"   | SSRHN156  |
| 1/2" - 1/4"   | SSRHN158  |
| 1/2" - 3/8"   | SSRHN1510 |
| 3/4" - 1/8"   | SSRHN206  |
| 3/4" - 1/4"   | SSRHN208  |
| 3/4" - 3/8"   | SSRHN2010 |
| 3/4" - 1/2"   | SSRHN2015 |
| 1" - 1/4"     | SSRHN258  |
| 1" - 3/8"     | SSRHN2510 |
| 1" - 1/2"     | SSRHN2515 |
| 1" - 3/4"     | SSRHN2520 |
| 1 1/4" - 3/8" | SSRHN3210 |
| 1 1/4" - 1/2" | SSRHN3215 |
| 1 1/4" - 3/4" | SSRHN3220 |
| 1 1/4" - 1"   | SSRHN3225 |
| 1 1/2" - 1/2" | SSRHN4015 |

| SIZE            | PART NO    |
|-----------------|------------|
| 1 1/2" - 3/4"   | SSRHN4020  |
| 1 1/2" - 1"     | SSRHN4025  |
| 1 1/2" - 1 1/4" | SSRHN4032  |
| 2" - 1/2"       | SSRHN5015  |
| 2" - 3/4"       | SSRHN5020  |
| 2" - 1"         | SSRHN5025  |
| 2" - 1 1/4"     | SSRHN5032  |
| 2" - 1 1/2"     | SSRHN5040  |
| 2 1/2" - 1 1/4" | SSRHN6532  |
| 2 1/2" - 1 1/2" | SSRHN6540  |
| 2 1/2" - 2"     | SSRHN6550  |
| 3" - 1 1/4"     | SSRHN8032  |
| 3" - 1 1/2"     | SSRHN8040  |
| 3" - 2"         | SSRHN8050  |
| 3" - 2 1/2"     | SSRHN8065  |
| 4" - 2"         | SSRHN10050 |
| 4" - 2 1/2"     | SSRHN10065 |
| 4" - 3"         | SSRHN10080 |

### BSP WELD TOE NIPPLE 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1/8"   | SSTN6   |
| 1/4"   | SSTN8   |
| 3/8"   | SSTN10  |
| 1/2"   | SSTN15  |
| 3/4"   | SSTN20  |
| 1"     | SSTN25  |
| 1 1/4" | SSTN32  |
| 1 1/2" | SSTN40  |
| 2"     | SSTN50  |
| 2 1/2" | SSTN65  |
| 3"     | SSTN80  |
| 4"     | SSTN100 |

## BSP FITTINGS

### BSP BARREL NIPPLE 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1/4"   | SSBN8   |
| 3/8"   | SSBN10  |
| 1/2"   | SSBN15  |
| 3/4"   | SSBN20  |
| 1"     | SSBN25  |
| 1 1/4" | SSBN32  |
| 1 1/2" | SSBN40  |
| 2"     | SSBN50  |
| 2 1/2" | SSBN65  |
| 3"     | SSBN80  |
| 4"     | SSBN100 |

### BSP TO TUBE ADAPTOR 316 SS



| SIZE   | PART NO  |
|--------|----------|
| 1/2"   | BSPTA012 |
| 3/4"   | BSPTA018 |
| 1"     | BSPTA025 |
| 1 1/4" | BSPTA032 |
| 1 1/2" | BSPTA038 |
| 2"     | BSPTA050 |
| 2 1/2" | BSPTA063 |
| 3"     | BSPTA076 |
| 4"     | BSPTA101 |

### BSP MALE PLUG 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1/8"   | SSHP6   |
| 1/4"   | SSHP8   |
| 3/8"   | SSHP10  |
| 1/2"   | SSHP15  |
| 3/4"   | SSHP20  |
| 1"     | SSHP25  |
| 1 1/4" | SSHP32  |
| 1 1/2" | SSHP40  |
| 2"     | SSHP50  |
| 2 1/2" | SSHP65  |
| 3"     | SSHP80  |
| 4"     | SSHP100 |

# BSP FITTINGS

## BSP TEE FEMALE 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1/8"   | SSET6   |
| 1/4"   | SSET8   |
| 3/8"   | SSET10  |
| 1/2"   | SSET15  |
| 3/4"   | SSET20  |
| 1"     | SSET25  |
| 1 1/4" | SSET32  |
| 1 1/2" | SSET40  |
| 2"     | SSET50  |
| 2 1/2" | SSET65  |
| 3"     | SSET80  |
| 4"     | SSET100 |

## BSP CROSS TEE 316 SS



| SIZE | PART NO |
|------|---------|
| 1/2" | SSECR15 |
| 3/4" | SSECR20 |
| 1"   | SSECR25 |

## BSP UNION FEMALE 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1/4"   | SSBU8   |
| 3/8"   | SSBU10  |
| 1/2"   | SSBU15  |
| 3/4"   | SSBU20  |
| 1"     | SSBU25  |
| 1 1/4" | SSBU32  |
| 1 1/2" | SSBU40  |
| 2"     | SSBU50  |
| 2 1/2" | SSBU65  |
| 3"     | SSBU80  |
| 4"     | SSBU100 |

## BSP UNION MALE/FEMALE 316 SS



| SIZE   | PART NO  |
|--------|----------|
| 1/4"   | SSBU8MF  |
| 3/8"   | SSBU10MF |
| 1/2"   | SSBU15MF |
| 3/4"   | SSBU20MF |
| 1"     | SSBU25MF |
| 1 1/4" | SSBU32MF |
| 1 1/2" | SSBU40MF |
| 2"     | SSBU50MF |

## BSP FITTINGS

### BSP ALL THREADED 316 SS



| SIZE           | PART NO          |
|----------------|------------------|
| 1" X 100MM     | SSALLTHREAD25100 |
| 1" X 150MM     | SSALLTHREAD25150 |
| 1" X 200MM     | SSALLTHREAD25200 |
| 1 1/4" X 150MM | SSALLTHREAD32150 |
| 1 1/2" X 100MM | SSALLTHREAD40100 |
| 1 1/2" X 150MM | SSALLTHREAD40150 |
| 1 1/2" X 200MM | SSALLTHREAD40200 |
| 2" X 100MM     | SSALLTHREAD50100 |
| 2" X 150MM     | SSALLTHREAD50150 |
| 2" X 200MM     | SSALLTHREAD50200 |

### SCHED 40 PIPE PIECES (WELDED) 316SS



| SIZE       | PART NO   |
|------------|-----------|
| 1/2" X 100 | SSPN15100 |
| 1/2" X 150 | SSPN15150 |
| 1/2" X 200 | SSPN15200 |
| 1/2" X 300 | SSPN15300 |
| 1/2" X 600 | SSPN15600 |
| 3/4" X 100 | SSPN20100 |
| 3/4" X 150 | SSPN20150 |
| 3/4" X 200 | SSPN20200 |
| 3/4" X 300 | SSPN20300 |
| 3/4" X 600 | SSPN20600 |
| 1" X 100   | SSPN25100 |
| 1" X 150   | SSPN25150 |
| 1" X 200   | SSPN25200 |
| 1" X 300   | SSPN25300 |
| 1" X 600   | SSPN25600 |

| SIZE         | PART NO   |
|--------------|-----------|
| 1-1/4" X 100 | SSPN32100 |
| 1-1/4" X 150 | SSPN32150 |
| 1-1/4" X 200 | SSPN32200 |
| 1-1/4" X 300 | SSPN32300 |
| 1-1/4" X 600 | SSPN32600 |
| 1-1/2" X 100 | SSPN40100 |
| 1-1/2" X 150 | SSPN40150 |
| 1-1/2" X 200 | SSPN40200 |
| 1-1/2" X 300 | SSPN40300 |
| 1-1/2" X 600 | SSPN40600 |
| 2" X 100     | SSPN50100 |
| 2" X 150     | SSPN50150 |
| 2" X 200     | SSPN50200 |
| 2" X 300     | SSPN50300 |
| 2" X 600     | SSPN50600 |

### BSP LOCK NUT 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1/4"   | SSPLN8  |
| 1/2"   | SSPLN15 |
| 3/4"   | SSPLN20 |
| 1"     | SSPLN25 |
| 1 1/4" | SSPLN32 |
| 1 1/2" | SSPLN40 |
| 2"     | SSPLN50 |



# VALVES

## 1 PIECE BALL VALVE 1000 316 SS - REDUCED BORE PTFE SEATS LOCKABLE HANDLE



| SIZE | PART NO |
|------|---------|
| 1/4" | V16     |
| 3/8" | V110    |
| 1/2" | V112    |
| 3/4" | V120    |
| 1"   | V125    |

## 2 PIECE BALL VALVE 1000 316 SS - FULL BORE PTFE SEATS LOCKABLE HANDLE



| SIZE   | PART NO |
|--------|---------|
| 1/4"   | V26     |
| 3/8"   | V210    |
| 1/2"   | V212    |
| 3/4"   | V220    |
| 1"     | V225    |
| 1 1/4" | V232    |
| 1 1/2" | V238    |
| 2"     | V250    |
| 2 1/2" | V265    |
| 3"     | V280    |

## 3 PIECE BALL VALVE 1000 316 SS - FULL BORE PTFE SEATS LOCKABLE HANDLE



| SIZE   | PART NO |
|--------|---------|
| 3/8"   | V310    |
| 1/2"   | V312    |
| 3/4"   | V320    |
| 1"     | V325    |
| 1 1/4" | V332    |
| 1 1/2" | V338    |
| 2"     | V350    |
| 2 1/2" | V365    |
| 3"     | V380    |
| 4"     | V3100   |

# VALVES

## 3 PIECE TUBE END BALL VALVE 316 SS



| SIZE   | PART NO  |
|--------|----------|
| 1 1/2" | V338WELD |
| 2"     | V350WELD |

## 3 PIECE TRI-CLOVER END BALL VALVE 316 SS



| SIZE   | PART NO |
|--------|---------|
| 1 1/2" | V338TRI |
| 2"     | V350TRI |

## BSP SWING CHECK VALVE 316 SS



| SIZE   | PART NO  |
|--------|----------|
| 1/2"   | SSSWCH15 |
| 3/4"   | SSSWCH20 |
| 1"     | SSSWCH25 |
| 1 1/4" | SSSWCH32 |
| 1 1/2" | SSSWCH40 |
| 2"     | SSSWCH50 |

## BSP SPRING CHECK VALVE 316 SS



| SIZE   | PART NO  |
|--------|----------|
| 1/2"   | SSSPRV15 |
| 3/4"   | SSSPRV20 |
| 1"     | SSSPRV25 |
| 1 1/4" | SSSPRV32 |
| 1 1/2" | SSSPRV40 |
| 2"     | SSSPRV50 |

# VALVES

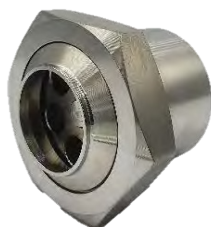
## BUTTERFLY VALVE 316 SS

\* AVAILABLE WITH ACTUATORS AND PLASTIC HANDLE



| SIZE   | PART NO   |
|--------|-----------|
| 1"     | BFWRBW025 |
| 1 1/4" | BFWRBW032 |
| 1 1/2" | BFWRBW038 |
| 2"     | BFWRBW050 |
| 2 1/2" | BFWRBW063 |
| 3"     | BFWRBW076 |
| 4"     | BFWRBW101 |

## BSM NON RETURN VALVE 316 SS



| SIZE   | PART NO     |
|--------|-------------|
| 1"     | NRVBSMBW025 |
| 1 1/2" | NRVBSMBW038 |
| 2"     | NRVBSMBW050 |
| 2 1/2" | NRVBSMBW063 |
| 3"     | NRVBSMBW076 |
| 4"     | NRVBSMBW101 |

## TRI-CLOVER NON RETURN VALVE 316 SS



| SIZE   | PART NO     |
|--------|-------------|
| 1"     | NRVBSMBW025 |
| 1 1/2" | NRVBSMBW038 |
| 2"     | NRVBSMBW050 |
| 2 1/2" | NRVBSMBW063 |
| 3"     | NRVBSMBW076 |
| 4"     | NRVBSMBW101 |

# VALVES

## GATE VALVES SS 316

Gate valves are used extensively where a straight flow is required with minimum pressure drop. Gate valves should only be used in fully open or closed applications.

Maximum working Temperature: 230°C.



| SIZE   | PART NO |
|--------|---------|
| 1/2"   | SSGA15  |
| 3/4"   | SSGA20  |
| 1"     | SSGA25  |
| 1-1/4" | SSGA32  |
| 1-1/2" | SSGA40  |
| 2"     | SSGA50  |
| 2-1/2" | SSGA65  |
| 3"     | SSGA80  |

## KNIFE GATE VALVES SS 316

**Application:** Pulp/paper, mining, food and beverage, water and waste water, chemical plants, and steel industry

**Features:** Knife gate valve lugged - Uni - Directional to MSS-SP-81

**End connection:** lugged to AS2129 / AS4087 Table D as standard; ANSI 150, PN10 on request

**Actuator:** manual hand wheel and pneumatic actuated

**Materials:** Body, knife: 316 stainless steel (CF8M)

**Seat:** NBR standard; 316 stainless steel, PTFE, FKM, EPDM on request



Hand Wheel



Double Acting

| SIZE | PART NO        |
|------|----------------|
| 3"   | VKG-080-SS-ACT |
| 4"   | VKG-100-SS-ACT |
| 6"   | VKG-150-SS-ACT |
| 8"   | VKG-200-SS-ACT |
| 10"  | VKG-250-SS-ACT |
| 12"  | VKG-300-SS-ACT |

## WAFER UN-LUGGED BUTTERFLY VALVES SS 316

**Design:** Wafer butterfly valve, lever or gear operated.

**End Connection:** Wafer fits Table E & ANSI 150/125.

**Body Materials:** CF8M.

**Seats & Trim:** SS 316 trim, EPDM seat.

**Application:** Suitable for water, process systems etc.



| SIZE   | PART NO |
|--------|---------|
| 2"     | VWSS50  |
| 2-1/2" | VWSS65  |
| 3"     | VWSS80  |
| 4"     | VWSS100 |
| 5"     | VWSS125 |
| 6"     | VWSS150 |

## WAFER DUAL DISC ANSI 150 (VITON SEAT) SS 316

When the pressure is no longer higher, gravity or higher downstream pressure will cause the disc to lower, shutting the valve.

Maximum working Temperature: -20°C to 135°C



| SIZE | PART NO   |
|------|-----------|
| 2"   | VWCSS50A  |
| 3"   | VWCSS80A  |
| 4"   | VWCSS100A |
| 6"   | VWCSS150A |

# VALVES

## KEYSTONE HYGIENIC BUTTERFLY VALVES WELD/ CLAMP/THREAD END

A universal valve for isolation and control, in the food, dairy, brewing, pharmaceutical, beverage & chemical industries. Max. product 10bar (1000kPa) pressure at 20°C: Min. product Full vacuum pressure at 20°C: Recommended 6bar (600kPa) operating pressure at 20°C: Recommended -5°C to 95°C temperature range: • Bi-directional capability • Fully machined 316L stainless steel body • Optional end connections • One-piece disc and stem assembly • High Cv slim profile disc • Integral valve position indicator • High grade seat material options • Combination dual or multi position handle assembly PARTS LIST No. Description Material Standard 1 Body 316L (or 304L) stainless steel ASTM A276 (or A182) 2 Disc stem 316L stainless steel ASTM A743 CF8M 3 Seat VMO (white) FDA EPDM (black) FDA NBR (black) FDA HNBR (black) FDA FKM (red) FDA 4 Handle assembly High impact glass reinforced polymer or 304 stainless steel 5 Handle plug/Screw TPR / 304 stainless steel Commercial 6 Notch plate 304 stainless steel ASTM A743 CF8 7 Body fasteners 304 stainless steel ASTM A276 8 Bearings PVDF Commercial



Body 316L (or 304L stainless steel)

| VALVE SIZE | VALVE PCD | NO BOLTS | HOLE DIA |
|------------|-----------|----------|----------|
| 1"         | 59        | 4        | 6        |
| 1-1/2"     | 69        | 4        | 6        |
| 2"         | 84        | 4        | 6        |
| 2-1/2"     | 95        | 4        | 6        |
| 3"         | 111       | 4        | 8        |
| 4"         | 139       | 6        | 8        |
| 6"         | 207       | 6        | 10       |

## ACTUATED BALL VALVES STAINLESS STEEL

**Design:** Full bore fitted with double acting and spring return actuator direct mounted Namur solenoids 5/2.

**End Connection:** Female x Female BSP

**Body Materials:** SS316.

**Pressure: Min:** external air pressure 5.5 bar.

**Approvals:** ISO5211 (mounting plate)

**Options:** Limit switch box & open/close indicators are available as options.

**Application:** Most fluid applications and air or gas where compatible with valve, body and trim.



| SIZE   | PART NO     |
|--------|-------------|
| 1/2"   | SSBVSASR15  |
| 3/4"   | SSBVSASR20  |
| 1"     | SSBVSASR25  |
| 1-1/4" | SSBVSASR32  |
| 1-1/2" | SSBVSASR40  |
| 2"     | SSBVSASR50  |
| 2-1/2" | SSBVSASR65  |
| 3"     | SSBVSASR80  |
| 4"     | SSBVSASR100 |

# STRAINERS & SIGHT GLASS

## Y STRAINER SS 316

Y Strainers are designed for inline system protection, trapping both fines and solids materials.

Maximum working Temperature: 230°C.



| SIZE   | PART NO |
|--------|---------|
| 1/2"   | SSY15   |
| 3/4"   | SSY20   |
| 1"     | SSY25   |
| 1-1/4" | SSY32   |
| 1-1/2" | SSY40   |
| 2"     | SSY50   |
| 2-1/2" | SSY65   |
| 3"     | SSY80   |

## STRAINERS SS 316

Replacement Stainless Steel strainers for Y Strainers.



| SIZE   | PART NO |
|--------|---------|
| 3/8    | VSS10   |
| 1/2"   | VSS15   |
| 3/4"   | VSS20   |
| 1"     | VSS25   |
| 1-1/4" | VSS32   |
| 1-1/2" | VSS40   |
| 2"     | VSS50   |
| 2-1/2" | VSS65   |
| 3"     | VSS80   |
| 4"     | VSS100  |

## SIGHT GLASS 316 SS

\* AVAILABLE WITH POLYCARBONATE LENS



| SIZE   | PART NO |
|--------|---------|
| 1"     | SGBW025 |
| 1 1/2" | SGBW038 |
| 2"     | SGBW050 |
| 2 1/2" | SGBW063 |
| 3"     | SGBW076 |
| 4"     | SGBW101 |

## PIPE FITTINGS

### 45 DEGREE BEND SCH 10 316 SS



| SIZE          | PART NO       |
|---------------|---------------|
| 1" / 25NB     | BWPB045-025NB |
| 1 1/4" / 32NB | BWPB045-032NB |
| 1 1/2" / 38NB | BWPB045-038NB |
| 2" / 50NB     | BWPB045-050NB |
| 2 1/2" / 63NB | BWPB045-063NB |
| 3" / 76NB     | BWPB045-076NB |
| 4" / 101NB    | BWPB045-101NB |
| 6" / 150NB    | BWPB045-150NB |

### 90 DEGREE BEND SCH 10 316 SS



| SIZE          | PART NO       |
|---------------|---------------|
| 1" / 25NB     | BWPB090-025NB |
| 1 1/4" / 32NB | BWPB090-032NB |
| 1 1/2" / 38NB | BWPB090-038NB |
| 2" / 50NB     | BWPB090-050NB |
| 2 1/2" / 63NB | BWPB090-063NB |
| 3" / 76NB     | BWPB090-076NB |
| 4" / 101NB    | BWPB090-101NB |
| 6" / 150NB    | BWPB090-150NB |

### TEE SCH 10 316 SS



| SIZE          | PART NO      |
|---------------|--------------|
| 1" / 25NB     | BWPTEE-025NB |
| 1 1/4" / 32NB | BWPTEE-032NB |
| 1 1/2" / 38NB | BWPTEE-038NB |
| 2" / 50NB     | BWPTEE-050NB |
| 2 1/2" / 63NB | BWPTEE-063NB |
| 3" / 76NB     | BWPTEE-076NB |
| 4" / 101NB    | BWPTEE-101NB |
| 6" / 150NB    | BWPTEE-150NB |

### CONCENTRIC REDUCER SCH 10 316 SS



| SIZE            | PART NO        |
|-----------------|----------------|
| 1 1/2 NB - 1NB  | BWPRC038-25NB  |
| 2NB - 1NB       | BWPRC050-25NB  |
| 2NB - 1 1/2NB   | BWPRC050-38NB  |
| 2 1/2NB - 2NB   | BWPRC063-50NB  |
| 3NB - 2NB       | BWPRC076-50NB  |
| 3NB - 2 1/2NB   | BWPRC076-63NB  |
| 4NB - 2NB       | BWPRC0101-50NB |
| 4NB - 3NB       | BWPRC0101-76NB |
| 1" NB - 1/2" NB | BWPRC025-15NB  |
| 1" NB - 3/4" NB | BWPRC025-20NB  |
| 6" NB - 4" NB   | BWPRC150-101NB |
| 8" NB - 6" NB   | BWPRC200-150NB |

# CAMLOCKS

## CAMLOCK SEAL VITON



| SIZE   | PART NO |
|--------|---------|
| 3/4"   | CWB20V  |
| 1"     | CWB25V  |
| 1 1/4" | CWB32V  |
| 1 1/2" | CWB38V  |
| 2"     | CWB50V  |
| 2 1/2" | CWB65V  |
| 3"     | CWB80V  |
| 4"     | CWB100V |
| 6"     | CWB150V |

## CAMLOCK SEAL EPDM



| SIZE   | PART NO    |
|--------|------------|
| 3/4"   | CWB20EPDM  |
| 1"     | CWB25EPDM  |
| 1 1/4" | CWB32EPDM  |
| 1 1/2" | CWB38EPDM  |
| 2"     | CWB50EPDM  |
| 2 1/2" | CWB65EPDM  |
| 3"     | CWB80EPDM  |
| 4"     | CWB100EPDM |
| 6"     | CWB150EPDM |

## CAMLOCK SEAL NITRILE



| SIZE   | PART NO   |
|--------|-----------|
| 3/4"   | CWB20NBR  |
| 1"     | CWB25NBR  |
| 1 1/4" | CWB32NBR  |
| 1 1/2" | CWB38NBR  |
| 2"     | CWB50NBR  |
| 2 1/2" | CWB65NBR  |
| 3"     | CWB80NBR  |
| 4"     | CWB100NBR |
| 6"     | CWB150NBR |

## CAMLOCK TYPE A 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO |
|---------|
| SS20A   |
| SS25A   |
| SS32A   |
| SS38A   |
| SS50A   |
| SS65A   |
| SS80A   |
| SS100A  |
| SS150A  |

## SAFLOCK CAMLOCK TYPE A 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO       |
|---------------|
| SS20A-SAFLOK  |
| SS25A-SAFLOK  |
| SS32A-SAFLOK  |
| SS40A-SAFLOK  |
| SS50A-SAFLOK  |
| SS65A-SAFLOK  |
| SS80A-SAFLOK  |
| SS100A-SAFLOK |
| SS150A-SAFLOK |



# CAMLOCKS

## CAMLOCK TYPE B 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO |
|---------|
| SS20B   |
| SS25B   |
| SS32B   |
| SS38B   |
| SS50B   |
| SS65B   |
| SS80B   |
| SS100B  |
| SS150B  |

## SAFLOCK CAMLOCK TYPE B 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO       |
|---------------|
| SS20B-SAFLOK  |
| SS25B-SAFLOK  |
| SS32B-SAFLOK  |
| SS40B-SAFLOK  |
| SS50B-SAFLOK  |
| SS65B-SAFLOK  |
| SS80B-SAFLOK  |
| SS100B-SAFLOK |
| SS150B-SAFLOK |

## CAMLOCK TYPE C 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO |
|---------|
| SS20C   |
| SS25C   |
| SS32C   |
| SS38C   |
| SS50C   |
| SS65C   |
| SS80C   |
| SS100C  |
| SS150C  |

## SAFLOCK CAMLOCK TYPE C 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO       |
|---------------|
| SS20C-SAFLOK  |
| SS25C-SAFLOK  |
| SS32C-SAFLOK  |
| SS40C-SAFLOK  |
| SS50C-SAFLOK  |
| SS65C-SAFLOK  |
| SS80C-SAFLOK  |
| SS100C-SAFLOK |
| SS150C-SAFLOK |

## CAMLOCK TYPED 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO |
|---------|
| SS20D   |
| SS25D   |
| SS32D   |
| SS38D   |
| SS50D   |
| SS65D   |
| SS80D   |
| SS100D  |
| SS150D  |

## SAFLOCK CAMLOCK TYPED 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO       |
|---------------|
| SS20D-SAFLOK  |
| SS25D-SAFLOK  |
| SS32D-SAFLOK  |
| SS40D-SAFLOK  |
| SS50D-SAFLOK  |
| SS65D-SAFLOK  |
| SS80D-SAFLOK  |
| SS100D-SAFLOK |
| SS150D-SAFLOK |

## CAMLOCK TYPE E 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO |
|---------|
| SS20E   |
| SS25E   |
| SS32E   |
| SS38E   |
| SS50E   |
| SS65E   |
| SS80E   |
| SS100E  |
| SS150E  |

## SAFLOCK CAMLOCK TYPE E 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO       |
|---------------|
| SS20E-SAFLOK  |
| SS25E-SAFLOK  |
| SS32E-SAFLOK  |
| SS40E-SAFLOK  |
| SS50E-SAFLOK  |
| SS65E-SAFLOK  |
| SS80E-SAFLOK  |
| SS100E-SAFLOK |
| SS150E-SAFLOK |

# CAMLOCKS

## CAMLOCK TYPE F 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO |
|---------|
| SS20F   |
| SS25F   |
| SS32F   |
| SS38F   |
| SS50F   |
| SS65F   |
| SS80F   |
| SS100F  |
| SS150F  |

## SAFLOCK CAMLOCK TYPE F 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO       |
|---------------|
| SS20F-SAFLOK  |
| SS25F-SAFLOK  |
| SS32F-SAFLOK  |
| SS40F-SAFLOK  |
| SS50F-SAFLOK  |
| SS65F-SAFLOK  |
| SS80F-SAFLOK  |
| SS100F-SAFLOK |
| SS150F-SAFLOK |

## CAMLOCK TYPE DC 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO |
|---------|
| SS20DC  |
| SS25DC  |
| SS32DC  |
| SS38DC  |
| SS50DC  |
| SS65DC  |
| SS80DC  |
| SS100DC |
| SS150DC |

## SAFLOCK CAMLOCK TYPE DC 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO        |
|----------------|
| SS20DC-SAFLOK  |
| SS25DC-SAFLOK  |
| SS32DC-SAFLOK  |
| SS40DC-SAFLOK  |
| SS50DC-SAFLOK  |
| SS65DC-SAFLOK  |
| SS80DC-SAFLOK  |
| SS100DC-SAFLOK |
| SS150DC-SAFLOK |

## CAMLOCK TYPE DP 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO |
|---------|
| SS20DP  |
| SS25DP  |
| SS32DP  |
| SS38DP  |
| SS50DP  |
| SS65DP  |
| SS80DP  |
| SS100DP |
| SS150DP |

## SAFLOCK CAMLOCK TYPE DP 316 SS

| SIZE   |
|--------|
| 3/4"   |
| 1"     |
| 1 1/4" |
| 1 1/2" |
| 2"     |
| 2 1/2" |
| 3"     |
| 4"     |
| 6"     |



| PART NO        |
|----------------|
| SS20DP-SAFLOK  |
| SS25DP-SAFLOK  |
| SS32DP-SAFLOK  |
| SS40DP-SAFLOK  |
| SS50DP-SAFLOK  |
| SS65DP-SAFLOK  |
| SS80DP-SAFLOK  |
| SS100DP-SAFLOK |
| SS150DP-SAFLOK |

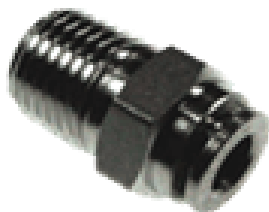
## CAMLOCK TYPE BUTTWELD 316 SS



| SIZE   | PART NO |
|--------|---------|
| 3/4"   | SS20BW  |
| 1"     | SS25BW  |
| 1 1/4" | SS32BW  |
| 1 1/2" | SS38BW  |
| 2"     | SS50BW  |
| 2 1/2" | SS65BW  |
| 3"     | SS80BW  |
| 4"     | SS100BW |
| 6"     | SS150BW |

# PUSH-IN FITTINGS

## STAINLESS STEEL MALE CONNECTOR



| PART NO     | TUBE | THREAD   |
|-------------|------|----------|
| PFM3SS-04M5 | 4mm  | M5 x 0.8 |
| PFM3SS-0401 | 4mm  | 1/8" BSP |
| PFM3SS-06M5 | 6mm  | M5 x 0.8 |
| PFM3SS-0601 | 6mm  | 1/8" BSP |
| PFM3SS-0602 | 6mm  | 1/4" BSP |
| PFM3SS-0801 | 8mm  | 1/8" BSP |
| PFM3SS-0802 | 8mm  | 1/4" BSP |
| PFM3SS-0803 | 8mm  | 3/8" BSP |
| PFM3SS-1001 | 10mm | 1/8" BSP |
| PFM3SS-1002 | 10mm | 1/4" BSP |
| PFM3SS-1003 | 10mm | 3/8" BSP |
| PFM3SS-1004 | 10mm | 1/2" BSP |
| PFM3SS-1202 | 12mm | 1/4" BSP |
| PFM3SS-1203 | 12mm | 3/8" BSP |
| PFM3SS-1204 | 12mm | 1/2" BSP |
| PFM3SS-1603 | 16mm | 3/8" BSP |
| PFM3SS-1604 | 16mm | 1/2" BSP |

## STAINLESS STEEL MALE SWIVEL ELBOW



| PART NO     | TUBE | THREAD   |
|-------------|------|----------|
| PFM5SS-04M5 | 4mm  | M5 x 0.8 |
| PFM5SS-0401 | 4mm  | 1/8" BSP |
| PFM5SS-0402 | 4mm  | 1/4" BSP |
| PFM5SS-06M5 | 6mm  | M5 x 0.8 |
| PFM5SS-0601 | 6mm  | 1/8" BSP |
| PFM5SS-0602 | 6mm  | 1/4" BSP |
| PFM5SS-0603 | 6mm  | 3/8" BSP |
| PFM5SS-0801 | 8mm  | 1/8" BSP |
| PFM5SS-0802 | 8mm  | 1/4" BSP |
| PFM5SS-0803 | 8mm  | 3/8" BSP |
| PFM5SS-1001 | 10mm | 1/8" BSP |
| PFM5SS-1002 | 10mm | 1/4" BSP |
| PFM5SS-1003 | 10mm | 3/8" BSP |
| PFM5SS-1004 | 10mm | 1/2" BSP |
| PFM5SS-1202 | 12mm | 1/4" BSP |
| PFM5SS-1203 | 12mm | 3/8" BSP |
| PFM5SS-1204 | 12mm | 1/2" BSP |
| PFM5SS-1603 | 16mm | 3/8" BSP |
| PFM5SS-1604 | 16mm | 1/2" BSP |

# PUSH-IN FITTINGS

## STAINLESS STEEL MALE SWIVEL TEE



| PART NO      | TUBE | THREAD   |
|--------------|------|----------|
| PFM12SS-04M5 | 4mm  | M5 x 0.8 |
| PFM12SS-0401 | 4mm  | 1/8" BSP |
| PFM12SS-06M5 | 6mm  | M5 x 0.8 |
| PFM12SS-0601 | 6mm  | 1/8" BSP |
| PFM12SS-0602 | 6mm  | 1/4" BSP |
| PFM12SS-0801 | 8mm  | 1/8" BSP |
| PFM12SS-0802 | 8mm  | 1/4" BSP |
| PFM12SS-0803 | 8mm  | 3/8" BSP |
| PFM12SS-1001 | 10mm | 1/8" BSP |
| PFM12SS-1002 | 10mm | 1/4" BSP |
| PFM12SS-1003 | 10mm | 3/8" BSP |
| PFM12SS-1004 | 10mm | 1/2" BSP |
| PFM12SS-1203 | 12mm | 3/8" BSP |
| PFM12SS-1204 | 12mm | 1/2" BSP |
| PFM12SS-1603 | 16mm | 3/8" BSP |
| PFM12SS-1604 | 16mm | 1/2" BSP |

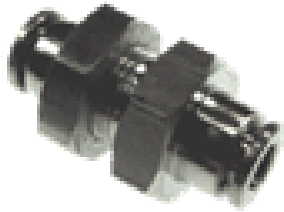
## STAINLESS STEEL FEMALE BULKHEAD



| PART NO       | TUBE | THREAD   |
|---------------|------|----------|
| PFM31FSS-04M5 | 4mm  | M5 x 0.8 |
| PFM31FSS-0401 | 4mm  | 1/8" BSP |
| PFM31FSS-06M5 | 6mm  | M5 x 0.8 |
| PFM31FSS-0601 | 6mm  | 1/8" BSP |
| PFM31FSS-0602 | 6mm  | 1/4" BSP |
| PFM31FSS-0801 | 8mm  | 1/8" BSP |
| PFM31FSS-0802 | 8mm  | 1/4" BSP |
| PFM31FSS-0803 | 8mm  | 3/8" BSP |
| PFM31FSS-1002 | 10mm | 1/4" BSP |
| PFM31FSS-1003 | 10mm | 3/8" BSP |
| PFM31FSS-1203 | 12mm | 3/8" BSP |
| PFM31FSS-1204 | 12mm | 1/2" BSP |
| PFM31FSS-1603 | 16mm | 3/8" BSP |
| PFM31FSS-1604 | 16mm | 1/2" BSP |

# PUSH-IN FITTINGS

## STAINLESS STEEL UNION BULKHEAD



| PART NO       | TUBE |
|---------------|------|
| PFM31SS-04-00 | 4mm  |
| PFM31SS-06-00 | 6mm  |
| PFM31SS-08-00 | 8mm  |
| PFM31SS-10-00 | 10mm |
| PFM31SS-12-00 | 12mm |
| PFM31SS-16-00 | 16mm |
| PF31SS-07-00  | 1/4" |
| PF31SS-11-00  | 3/8" |
| PF31SS-13-00  | 1/2" |

## STAINLESS STEEL UNION STRAIGHT



| PART NO      | TUBE |
|--------------|------|
| PFM4SS-04-00 | 4mm  |
| PFM4SS-06-00 | 6mm  |
| PFM4SS-08-00 | 8mm  |
| PFM4SS-10-00 | 10mm |
| PFM4SS-12-00 | 12mm |
| PFM4SS-16-00 | 16mm |
| PF4SS-07-00  | 1/4" |
| PF4SS-11-00  | 3/8" |
| PF4SS-13-00  | 1/2" |

## STAINLESS STEEL UNION ELBOW



| PART NO       | TUBE |
|---------------|------|
| PFM11SS-04-00 | 4mm  |
| PFM11SS-06-00 | 6mm  |
| PFM11SS-08-00 | 8mm  |
| PFM11SS-10-00 | 10mm |
| PFM11SS-12-00 | 12mm |
| PFM11SS-16-00 | 16mm |
| PF11SS-07-00  | 1/4" |
| PF11SS-11-00  | 3/8" |
| PF11SS-13-00  | 1/2" |

## PUSH-IN FITTINGS

### STAINLESS STEEL UNION TEE

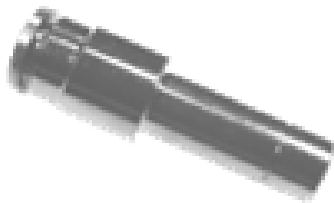
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| PART NO       | TUBE |
|---------------|------|
| PFM14SS-04-00 | 4mm  |
| PFM14SS-06-00 | 6mm  |
| PFM14SS-08-00 | 8mm  |
| PFM14SS-10-00 | 10mm |
| PFM14SS-12-00 | 12mm |
| PFM14SS-16-00 | 16mm |
| PF14SS-07-00  | 1/4" |
| PF14SS-11-00  | 3/8" |
| PF14SS-13-00  | 1/2" |

### STAINLESS STEEL PLUG-IN REDUCER

---



| PART NO      | TUBE | STEM |
|--------------|------|------|
| PFMR4SS-0406 | 4mm  | 6mm  |
| PFMR4SS-0608 | 6mm  | 8mm  |
| PFMR4SS-0810 | 8mm  | 10mm |
| PFMR4SS-1012 | 10mm | 12mm |
| PFMR4SS-1216 | 12mm | 16mm |

# HOSE CLAMPS

## WORM DRIVE CLAMP



MAH/HAS Series - Perforated, All Stainless

| CLAMPING RANGE | TRIDON NO | BREEZE NO |
|----------------|-----------|-----------|
| 6 - 16         | MAH004    | P304      |
| 11 - 18        | MAH005    | P306      |
| 11 - 22        | MAH006    | P306      |
| 13 - 25        | MAH008    | P310      |
| 14 - 27        | HAS010    | BZ63010   |
| 17 - 32        | HAS012    | BZ63012   |
| 21 - 38        | HAS016    | BZ63016   |
| 21 - 44        | HAS020    | BZ63020   |
| 27 - 51        | HAS024    | BZ63024   |
| 33 - 57        | HAS028    | BZ63028   |
| 40 - 64        | HAS032    | BZ63032   |
| 46 - 70        | HAS036    | BZ63036   |
| 52 - 76        | HAS040    | BZ63010   |
| 59 - 83        | HAS044    | BZ63040   |
| 65 - 89        | HAS048    | BZ63048   |
| 71 - 95        | HAS052    | BZ63052   |
| 78 - 102       | HAS056    | BZ63056   |
| 84 - 108       | HAS060    | BZ63060   |
| 90 - 114       | HAS064    | BZ63064   |
| 105 - 127      | HAS072    | BZ63072   |
| 117 - 140      | HAS080    | BZ63080   |
| 125 - 146      | HAS084    | BZ63084   |
| 130 - 152      | HAS088    | BZ63088   |
| 115 - 165      | HAS096    | BZ63096   |
| 133 - 178      | HAS104    |           |
| 143 - 216      | HAS128    |           |
| 181 - 254      | HAS152    |           |
| 238 - 311      | HAS188    |           |

### MAH/HAS SERIES - PERFORATED BAND, ALL STAINLESS STEEL

- 301 stainless steel band
- 301 stainless steel housing
- 305 stainless steel screw
- Hexagonal head with screwdriver slot
- All stainless steel for corrosion protection
- Built to SAE J1508 standard.
- Low free torque for ease of installation
- High strength for reliable sealing
- Superior sealing conforms to hose.
- For automotive, industrial, agricultural, chemical, and general-purpose use where added corrosion protection is required.
- Made in Australia

# HOSE CLAMPS

## T-BOLT PART SS CLAMPS



| CLAMPING RANGE mm | TRIDON NO  |
|-------------------|------------|
| 17-19             | TTBY-17-19 |
| 18-20             | TTBY-18-20 |
| 20-22             | TTBY-20-22 |
| 21-23             | TTBY-21-23 |
| 23-25             | TTBY-23-25 |
| 24-26             | TTBY-24-26 |
| 26-28             | TTBY-26-28 |
| 27-29             | TTBY-27-29 |
| 29-31             | TTBY-29-31 |
| 30-33             | TTBY-30-33 |
| 32-35             | TTBY-32-35 |
| 34-37             | TTBY-34-37 |
| 36-39             | TTBY-36-39 |
| 38-41             | TTBY-38-41 |
| 40-43             | TTBY-40-43 |
| 42-45             | TTBY-42-45 |
| 44-47             | TTBY-44-47 |
| 46-49             | TTBY-46-49 |
| 48-51             | TTBY-48-51 |
| 50-53             | TTBY-50-53 |
| 52-55             | TTBY-52-55 |
| 54-57             | TTBY-54-57 |
| 56-59             | TTBY-56-59 |
| 58-61             | TTBY-58-61 |
| 60-63             | TTBY-60-63 |
| 62-65             | TTBY-62-65 |
| 64-67             | TTBY-64-67 |
| 66-70             | TTBY-66-70 |

| CLAMPING RANGE mm | TRIDON NO    |
|-------------------|--------------|
| 68-73             | TTBY-68-73   |
| 71-76             | TTBY-71-76   |
| 74-79             | TTBY-74-79   |
| 77-82             | TTBY-77-82   |
| 80-85             | TTBY-80-85   |
| 83-88             | TTBY-83-88   |
| 86-91             | TTBY-86-91   |
| 89-94             | TTBY-89-94   |
| 92-97             | TTBY-92-97   |
| 95-100            | TTBY-95-100  |
| 98-103            | TTBY-98-103  |
| 101-107           | TTBY-101-107 |
| 104-112           | TTBY-104-112 |
| 108-116           | TTBY-108-116 |
| 113-121           | TTBY-113-121 |
| 117-125           | TTBY-117-125 |
| 122-130           | TTBY-122-130 |
| 126-134           | TTBY-126-134 |
| 131-139           | TTBY-131-139 |
| 140-148           | TTBY-140-148 |
| 149-161           | TTBY-149-161 |
| 162-174           | TTBY-162-174 |
| 175-187           | TTBY-175-187 |
| 188-200           | TTBY-188-200 |
| 201-213           | TTBY-201-213 |
| 214-226           | TTBY-214-226 |
| 227-239           | TTBY-227-239 |
| 240-252           | TTBY-240-252 |

### TTBY SERIES - T-BOLT, PART STAINLESS

- 430 stainless steel band
- 430 stainless steel bridge
- High tensile carbon steel zinc plated bolt
- Carbon steel zinc plated collar
- Carbon steel zinc plated trunnions
- For applications where large tightening forces are required
- High strength wide band for superior sealing under large clamping loads
- Rolled edge to prevent hose damage.
- Hex bolt, collar, and solid trunnion design for smooth and even tensioning, low and reliable free torque
- Extra solid construction with the highest-grade materials and three welds per band on larger sizes
- For heavy duty automotive, truck, mining, marine, industrial, farming, irrigation, agriculture, manufacturing, construction, and DIY applications
- Ideal for use in high pressure hose applications or where additional sealing strength is required.



# HOSE CLAMPS

## T-BOLT SS STEEL CLAMPS



| CLAMPING RANGE mm | TRIDON NO  |
|-------------------|------------|
| 17-19             | TTBS-17-19 |
| 18-20             | TTBS-18-20 |
| 20-22             | TTBS-20-22 |
| 21-23             | TTBS-21-23 |
| 23-25             | TTBS-23-25 |
| 24-26             | TTBS-24-26 |
| 26-28             | TTBS-26-28 |
| 27-29             | TTBS-27-29 |
| 29-31             | TTBS-29-31 |
| 30-33             | TTBS-30-33 |
| 32-35             | TTBS-32-35 |
| 34-37             | TTBS-34-37 |
| 36-39             | TTBS-36-39 |
| 38-41             | TTBS-38-41 |
| 40-43             | TTBS-40-43 |
| 42-45             | TTBS-42-45 |
| 44-47             | TTBS-44-47 |
| 46-49             | TTBS-46-49 |
| 48-51             | TTBS-48-51 |
| 50-53             | TTBS-50-53 |
| 52-55             | TTBS-52-55 |
| 54-57             | TTBS-54-57 |
| 56-59             | TTBS-56-59 |
| 58-61             | TTBS-58-61 |
| 60-63             | TTBS-60-63 |
| 62-65             | TTBS-62-65 |
| 64-67             | TTBS-64-67 |
| 66-70             | TTBS-66-70 |

| CLAMPING RANGE mm | TRIDON NO    |
|-------------------|--------------|
| 68-73             | TTBS-68-73   |
| 71-76             | TTBS-71-76   |
| 74-79             | TTBS-74-79   |
| 77-82             | TTBS-77-82   |
| 80-85             | TTBS-80-85   |
| 83-88             | TTBS-83-88   |
| 86-91             | TTBS-86-91   |
| 89-94             | TTBS-89-94   |
| 92-97             | TTBS-92-97   |
| 95-100            | TTBS-95-100  |
| 98-103            | TTBS-98-103  |
| 101-107           | TTBS-101-107 |
| 104-112           | TTBS-104-112 |
| 108-116           | TTBS-108-116 |
| 113-121           | TTBS-113-121 |
| 117-125           | TTBS-117-125 |
| 122-130           | TTBS-122-130 |
| 126-134           | TTBS-126-134 |
| 131-139           | TTBS-131-139 |
| 140-148           | TTBS-140-148 |
| 149-161           | TTBS-149-161 |
| 162-174           | TTBS-162-174 |
| 175-187           | TTBS-175-187 |
| 188-200           | TTBS-188-200 |
| 201-213           | TTBS-201-213 |
| 214-226           | TTBS-214-226 |
| 227-239           | TTBY-227-239 |
| 240-252           | TTBY-240-252 |

### TTBS SERIES - T-BOLT, ALL STAINLESS

- 304 stainless steel band
- 304 stainless steel bridge
- High tensile 316 stainless steel bolt
- 300 stainless steel collars
- 300 stainless steel trunnions
- For applications where large tightening forces are required
- All stainless steel for corrosion protection
- High strength wide band for superior sealing under large clamping loads
- Rolled edge to prevent hose damage.
- Hex bolt, collar, and solid trunnion design for smooth and even tensioning, low and reliable free torque
- Extra solid construction with the highest-grade materials and three welds per band on larger sizes
- For heavy duty automotive, truck, mining, marine, industrial, farming, irrigation, agriculture, manufacturing, construction, and DIY applications
- Ideal for use in high pressure hose applications or where additional sealing strength and corrosion protection are required.

# BAND CLAMPS

## BAND PUNCH CLAMPS



| WIDTH mm | PART NO   |
|----------|-----------|
| 9.5      | KS3-030   |
| 9.5      | KS311-035 |
| 15.9     | KS4-025   |
| 15.9     | KS5-032   |
| 15.9     | KS6-038   |
| 15.9     | KS7-045   |
| 15.9     | KS8-051   |
| 15.9     | KS9-057   |
| 15.9     | KS10-063  |
| 15.9     | KS11-070  |
| 15.9     | KS12-076  |
| 15.9     | KS14-089  |
| 15.9     | KS16-102  |
| 15.9     | KS18-114  |
| 15.9     | KS20-127  |
| 15.9     | KS24-153  |
| 15.9     | KS28-178  |
| 15.9     | KS32-203  |

Heavy Duty Band-it Tool



## BAND-IT CLAMPS



Band-it Band

| WIDTH mm |
|----------|
| 9.5      |
| 12.7     |
| 15.8     |
| 19.1     |

Band-It Buckles 100 per box

| WIDTH mm |
|----------|
| 9.5      |
| 12.7     |
| 15.8     |
| 19.1     |



Band-It Band & Nuckle Tool



## ADDITIONAL PRODUCTS AVAILABLE

### PRESS FIT



Press fit piping systems are built specifically to speed up the installation process using a minimalistic approach to jointing. It saves time and makes the entire installation process more secure and cost-effective. Combined with their corrosion-resistant and weatherproof nature, they benefit any project bound by time constraints. Press fit technology provides a safe, weld-free, low-cost method of joining metals. Press fit piping systems are used in a wide range of industries, including defence, food and beverage, health, mining, oil and gas, pharmaceutical, power generation, and water and wastewater treatment.

### STAINLESS STEEL COMPRESSION FITTINGS



Press fit piping systems are built specifically to speed up the installation process using a minimalistic approach to jointing. It saves time and makes the entire installation process more secure and cost-effective. Combined with their corrosion-resistant and weatherproof nature, they benefit any project bound by time constraints. Press fit technology provides a safe, weld-free, low-cost method of joining metals. Press fit piping systems are used in a wide range of industries, including defence, food and beverage, health, mining, oil and gas, pharmaceutical, power generation, and water and wastewater treatment.



**SS COMPRESSION FITTINGS**

### SEAMLESS STAINLESS STEEL INSTRUMENTATION TUBE



VIS-LOK seamless instrumentation tube is perfect for use in critical applications such as petrochemical plants, oil and gas, power generation, food and beverage processing and more.

VIS-LOK seamless instrumentation tube is available in imperial and metric sizes, fully certified, containing a minimum of 2.5% molybdenum to provide increased corrosion protection with a maximum hardness of 80 HRB.



**RANGE OF GAUGES ALSO AVAILABLE**



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