

## TRIAD SERIES TRS BALL VALVES

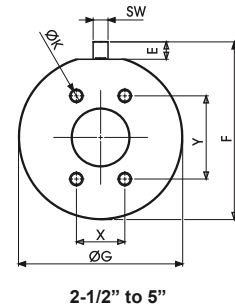
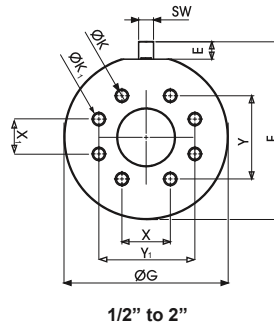
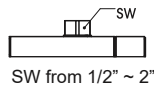
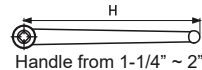
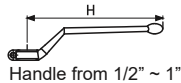
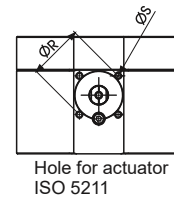
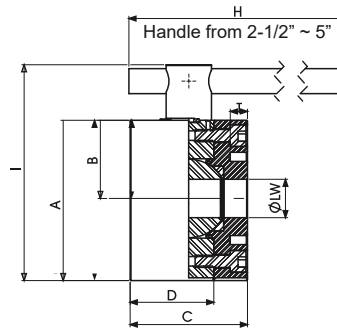
### 2 - WAY HIGH PRESSURE

### SAE FLANGE



#### Specifications:

- 2 way high pressure ball valve
- Round body
- Direct SAE Flange Connection
- Carbon Steel and Stainless Steel
- Pressure rating: 3000 PSI / 6000 PSI (dependent on size and seal material)
- Temperature: -4°F to 212°F (Carbon Steel)  
-76°F to 446°F (Stainless Steel)
- ISO 5211 Actuator Mounting
- O-rings: NBR, FKM, EPDM, MVQ



#### SAE J518 S6000 & S3000

#### CODE 61 AND 62 UNC BOLT\*

| SIZE   | A    | B    | C    | D    | E    | F    | ØG   | H     | I    | Y    | Y1   | X    | X1   | ØK   | ØK1  | ØR    | ØR   | ØS | ISO5211 | T    | SW   | ØLW  | LBS. |
|--------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|-------|------|----|---------|------|------|------|------|
| 1/2"   | 2.64 | 1.10 | 2.95 | 2.28 | 0.43 | 3.08 | 3.07 | 4.33  | 3.09 | 1.59 | 1.50 | 0.72 | 0.69 | 5/16 | 5/16 | 36.00 | 1.42 | M5 | F03     | 0.71 | 0.35 | 0.51 | 5    |
| 3/4"   | 3.37 | 1.44 | 3.15 | 2.36 | 0.55 | 3.94 | 4.06 | 7.09  | 4.06 | 2.00 | 1.87 | 0.94 | 0.87 | 3/8  | 3/8  | 50.00 | 1.97 | M6 | F05     | 0.71 | 0.55 | 0.79 | 9    |
| 1"     | 3.88 | 1.56 | 3.46 | 2.72 | 0.55 | 4.45 | 4.65 | 7.09  | 5.75 | 2.25 | 2.06 | 1.09 | 1.03 | 7/16 | 3/8  | 50.00 | 1.97 | M6 | F05     | 0.75 | 0.55 | 0.98 | 14   |
| 1-1/4" | 5.65 | 2.79 | 3.94 | 2.87 | 0.55 | 6.38 | 5.71 | 11.81 | 6.73 | 2.63 | 2.31 | 1.25 | 1.19 | 1/2  | 7/16 | 50.00 | 1.97 | M6 | F05     | 0.87 | 0.67 | 1.26 | 27   |
| 1-1/2" | 6.30 | 3.07 | 4.33 | 3.15 | 0.55 | 7.03 | 6.50 | 11.81 | 7.38 | 3.13 | 2.75 | 1.44 | 1.41 | 5/8  | 1/2  | 50.00 | 1.97 | M6 | F05     | 0.87 | 0.67 | 1.50 | 37   |
| 2"     | 7.56 | 3.66 | 4.57 | 3.54 | 0.55 | 8.09 | 7.72 | 11.81 | 8.44 | 3.81 | 3.06 | 1.75 | 1.69 | 3/4  | 1/2  | 70.00 | 2.76 | M8 | F07     | 1.10 | 0.67 | 1.89 | 56   |

\*Metric tapping available upon request

#### SAE J518 3000

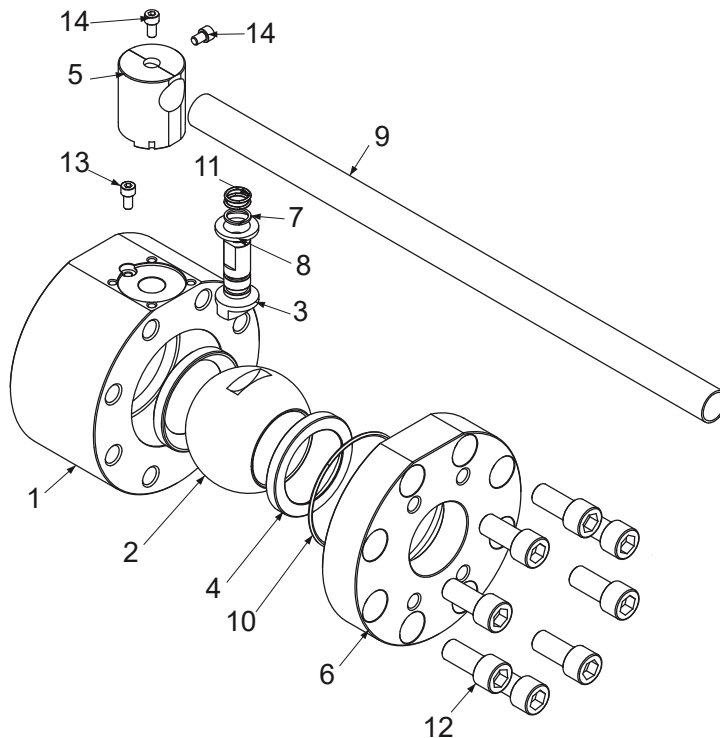
#### CODE 61 AND 62 UNC BOLT\*

| SIZE   | A     | B    | C    | D    | E    | F     | ØG    | H     | I     | Y    | X    | ØK  | ØR   | ØS  | ISO5211 | T    | U    | SW   | ØLW  | LBS. |
|--------|-------|------|------|------|------|-------|-------|-------|-------|------|------|-----|------|-----|---------|------|------|------|------|------|
| 2-1/2" | 7.80  | 3.66 | 5.91 | 4.21 | 0.81 | 8.35  | 7.99  | 23.62 | 10.24 | 3.50 | 2.00 | 1/2 | 2.76 | M8  | F07     | 0.79 | 0.51 | 0.75 | 2.48 | 72   |
| 3"     | 8.07  | 3.94 | 5.91 | 4.21 | 0.87 | 8.96  | 8.27  | 23.62 | 10.98 | 4.19 | 2.44 | 5/8 | 2.76 | M8  | F07     | 0.94 | 0.51 | 0.75 | 2.87 | 80   |
| 4"     | 9.88  | 4.80 | 6.69 | 5.20 | 1.06 | 10.94 | 10.16 | 23.62 | 12.80 | 5.13 | 3.07 | 5/8 | 4.02 | M10 | F10     | 0.94 | 0.51 | 0.94 | 3.74 | 135  |
| 5"     | 11.34 | 5.51 | 8.27 | 6.30 | 1.38 | 12.68 | 12.20 | 23.62 | 14.67 | 6.00 | 3.63 | 5/8 | 4.92 | M12 | F12     | 1.18 | 0.67 | 1.42 | 4.53 | 216  |

\*Metric tapping available upon request

## TRIAD SERIES TRS BALL VALVES

### MATERIAL LIST



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| NO | PART NAME      | MATERIAL     |             | NO. PCS. |
|----|----------------|--------------|-------------|----------|
|    |                | CS           | SS          |          |
| 1  | BODY           | 1.0570       | 316L        | 1        |
| 2  | BALL           | 1.057        | 316L        | 1        |
| 3  | STEM           | 17 4 PH      |             | 1        |
| 4  | BALL SEAT      | POM          |             | 2        |
| 5  | COUPLING       | 1.0737       | 316L        | 1        |
| 6  | FLANGE         | 1.057        | 316L        | 1        |
| 7  | BACK-UP RING   | PTFE         |             | 1        |
| 8  | STEM RING      | POM          |             | 1        |
| 9  | HANDLE         | 1.0116       | 316L        | 1        |
| 10 | ADAPTER O-RING | NBR          |             | 4        |
| 11 | STEM O-RING    | NBR          |             | 2        |
| 12 | SCREW          | ISO 4762 8.8 | ISO 4762 A2 | 8        |
| 13 | SPINE SCREW    | ISO 4762 8.8 | ISO 4762 A2 | 1        |
| 14 | SCREW          | ISO 4762 8.8 | ISO 4762 A2 | 2        |

#### Carbon Steel options available upon request:

O-ring in FKM, EPDM, HNBR, KALREZ

Seals in PTFE, PEEK, Pa612, RPTFE, Metal Seat

Stem and Ball in 316L

Pressure class up to Pn42 Mpa

Locking device

#### Stainless Steel options available upon request:

O-ring in FKM, EPDM, HNBR, KALREZ

Seals in PTFE, PEEK, Pa612, RPTFE, Metal Seat

Pressure class up to Pn42 Mpa

Locking device

#### Ordering Information

TRS-□□□□□□□□

| Body<br>Material     | Pressure                                                                          | Size         |
|----------------------|-----------------------------------------------------------------------------------|--------------|
|                      |                                                                                   |              |
| CS - Carbon Steel    | 3000 - 3000 PSI<br>(only applies to sizes 2-1/2" - 5")                            | 005 - 1/2"   |
|                      | 6000 - 6000 PSI<br>(Also rated for 3000 PSI)<br>(only applies to sizes 1/2" - 2") | 007 - 3/4"   |
| SS - Stainless Steel |                                                                                   | 010 - 1"     |
|                      |                                                                                   | 012 - 1-1/4" |
|                      |                                                                                   | 015 - 1-1/2" |
|                      |                                                                                   | 020 - 2"     |
|                      |                                                                                   | 025 - 2-1/2" |
|                      |                                                                                   | 030 - 3"     |
|                      |                                                                                   | 040 - 4"     |
|                      |                                                                                   | 050 - 5"     |