

## ARTICULO: 2118

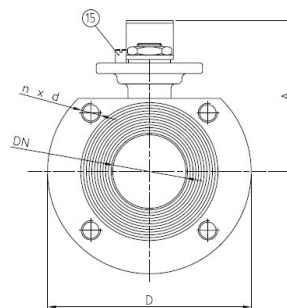
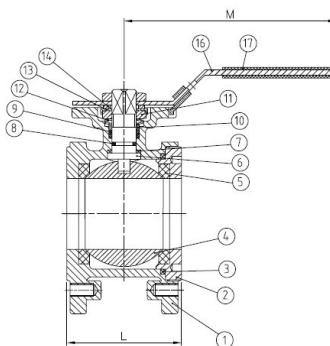
### Válvula de esfera paso total tipo Wafer Acero Inoxidable. Stainless steel full port ball valve, Wafer Type.

#### Características

1. Válvula esfera paso total tipo wafer.
2. Montaje entre bridas DIN PN-16.
3. Construcción en Acero Inoxidable AISI 316.
4. Asientos PTFE + 15 % F.V.
5. Vástago Inexpulsable.
6. Montaje actuador directo según ISO 5211 (a partir de 1").
7. Sistema de bloqueo incorporado.
8. Presión de trabajo máxima 16 Kg/cm2.
9. Temperatura de trabajo -20 °C + 180 °C.

#### Features

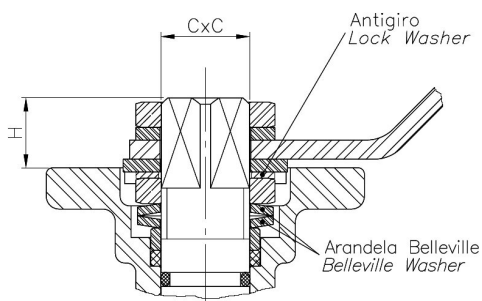
1. Full port ball valve, Wafer type.
2. Assembly with flanges DIN PN-16.
3. Made of Stainless Steel AISI 316.
4. Ball seats PTFE + 15 % G.F.
5. Blow – out proof stem.
6. Direct mounting actuator according ISO 5211 (from 1").
7. Block System included.
8. Max. Working pressure 16 Kg/cm2.
- 9 Working Temperature -20 °C + 180 °C.



| N° | Denominación/Name                | Material                            | Acabado Superficial/Surface Treatment |
|----|----------------------------------|-------------------------------------|---------------------------------------|
| 1  | Cuerpo / Body                    | Acero Inox. / S.S. CF8M ( 316)      | Decapado / Shot Blasting + Pickling   |
| 2  | Tapón / Plug                     | Acero Inox AISI 3160 / SS 316       | Decapado / Shot Blasting + Pickling   |
| 3  | Juntas / Gasket                  | PTFE                                | -----                                 |
| 4  | Bola / Ball                      | Acero Inox AISI 3160 / SS 316       | -----                                 |
| 5  | Asiento / Ball Seat              | PTFE + 15 % F.V. / PTFE + 15 % G.F. | -----                                 |
| 6  | Eje / Stem                       | Acero Inox AISI 3160 / SS 316       | -----                                 |
| 7  | Arandela / Trust Washer          | PTFE                                | -----                                 |
| 8  | Tórica / O-ring                  | Viton                               | -----                                 |
| 9  | A. Prensa / Stem packing         | PTFE                                | -----                                 |
| 10 | Prensa / Stem ring               | Acero Inox AISI 304 / S.S. 304      | -----                                 |
| 11 | Tuerca / Nut                     | Acero Inox AISI 304 / S.S. 304      | -----                                 |
| 12 | Arandela Resorte / spring washer | Acero Inox AISI 304 / S.S. 304      | -----                                 |
| 13 | Antigiro / Lock Washer           | Acero Inox AISI 304 / S.S. 304      | -----                                 |

| Nº | Denominación/Name     | Material                       | Acabado Superficial/Surface Treatment |
|----|-----------------------|--------------------------------|---------------------------------------|
| 14 | Arandela / Washer     | Acero Inox AISI 304 / S.S. 304 | -----                                 |
| 15 | Tope / Stop Pin       | Acero Inox AISI 304 / S.S. 304 | -----                                 |
| 16 | Maneta / Handle       | Acero Inox AISI 304 / S.S. 304 | -----                                 |
| 17 | Funda / Plastic Cover | Vynil                          |                                       |

## Detalle de la zona de Eje / Stem detail



Antigiro / Lock Washer: Previene el desajuste de la tuerca del eje en elevados ciclos de maniobra / Prevents unthreading of stem nut in high cycle automation applications.

Arandela Belleville / Belleville Washer: Las arandelas belleville proporcionan una carga constante sobre el prensa asegurando un cierre firme en variaciones de condiciones de trabajo. / Standard belleville washers provide constant "live load" on the stem seals, assuring a tight seal even varying service parameters.

## DIMENSIONES GENERALES / GENERAL DIMENSIONS

| Ref     | Medida/<br>Size | PN | Assembly<br>Holes<br>(n x d) | Dimensiones/Dimensions (mm) |     |     |     | Peso/Weight<br>(Kg) |
|---------|-----------------|----|------------------------------|-----------------------------|-----|-----|-----|---------------------|
|         |                 |    |                              | ØD                          | A   | L   | M   |                     |
| 2118 04 | 1/2"            | 16 | 4 x M12                      | 95                          | 80  | 36  | 150 | 1,700               |
| 2118 05 | 3/4"            | 16 | 4 x M12                      | 105                         | 85  | 38  | 150 | 1,900               |
| 2118 06 | 1"              | 16 | 4 x M12                      | 115                         | 95  | 50  | 170 | 2,500               |
| 2118 07 | 1 ¼"            | 16 | 4 x M16                      | 140                         | 100 | 53  | 170 | 3,500               |
| 2118 08 | 1 ½"            | 16 | 4 x M16                      | 150                         | 105 | 65  | 210 | 4,350               |
| 2118 09 | 2"              | 16 | 4 x M16                      | 165                         | 115 | 78  | 210 | 5,450               |
| 2118 10 | 2 ½"            | 16 | 4 x M16                      | 185                         | 130 | 98  | 260 | 7,800               |
| 2118 11 | 3"              | 16 | 8 x M16                      | 200                         | 145 | 118 | 260 | 10,300              |
| 2118 12 | 4"              | 16 | 8 x M16                      | 220                         | 175 | 140 | 260 | 18,000              |

| Ref     | Medida/<br>Size | PN | Dimensiones/Dimensions (mm) |         |                                                              |
|---------|-----------------|----|-----------------------------|---------|--------------------------------------------------------------|
|         |                 |    | H                           | C x C   | ISO 5211                                                     |
| 2118 04 | 1/2"            | 16 | 9.5                         | 9 x 9   | F03 ( no montaje directo /<br><i>isn't direct mounting</i> ) |
| 2118 05 | 3/4"            | 16 | 13                          | 9 x 9   | F03 ( no montaje directo /<br><i>isn't direct mounting</i> ) |
| 2118 06 | 1"              | 16 | 10                          | 11 x 11 | F04 / F05                                                    |
| 2118 07 | 1 ¼"            | 16 | 12.5                        | 11 x 11 | F04 / F05                                                    |
| 2118 08 | 1 ½"            | 16 | 14.5                        | 14 x 14 | F05 / F07                                                    |
| 2118 09 | 2"              | 16 | 14                          | 14 x 14 | F05 / F07                                                    |
| 2118 10 | 2 ½"            | 16 | 17                          | 17 x 17 | F07 / F10                                                    |
| 2118 11 | 3"              | 16 | 16                          | 17 x 17 | F07 / F10                                                    |
| 2118 12 | 4"              | 16 | 19                          | 17 x 17 | F07 / F10                                                    |

## CURVA PRESION TEMPERATURA / PRESSURE TEMPERATURE RATING

