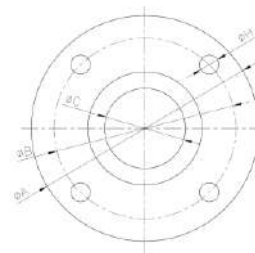
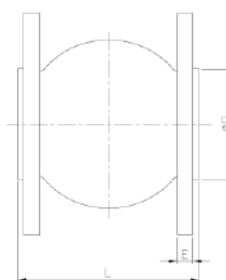
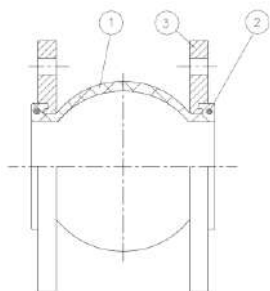


## ARTICULO: 2831

### Junta de expansión de EPDM extremos Bridados Rubber Expansion Joint, Flanged ends

| Características                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>Junta de expansión.</li> <li>Reducción de Ruidos.</li> <li>Absorción de Vibraciones.</li> <li>Compensación de dilataciones.</li> <li>Fácil instalación.</li> <li>Cuerpo de EPDM, Extremos acero carbono.</li> <li>Extremos para montar entre bridas EN 1092:<br/>PN10/16 (medidas 1 1/4" a 6")<br/>PN10 (medidas 8" a 20")</li> <li>Presión de trabajo máxima:<br/>16 bar (medidas 1 1/4" a 12")<br/><b>(Nota: Bridas DIN PN10 para 8" – 10" y 12")</b><br/>10 bar (medidas 14" a 20")</li> <li>Temperatura de Trabajo – 10 °C + 105 °C</li> <li>Presión de Ruptura 30 bar.</li> <li>Depresión máxima (vacío) 400 mbar.</li> </ol> |

| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ol style="list-style-type: none"> <li>Expansion Joint.</li> <li>Reduction of Noise.</li> <li>Absorption of vibration.</li> <li>Allows axial and lateral movement.</li> <li>Easy to install.</li> <li>Body made of EPDM, Ends of carbon steel.</li> <li>Ends connecting with flanges EN 1092:<br/>PN10/16 (sizes 1 1/4" to 6")<br/>PN10 (sizes 8" to 20")</li> <li>Maximum working pressure:<br/>16 bar (sizes 1 1/4" to 12")<br/><b>(Note: Flanged DIN PN10 for 8" – 10" &amp; 12")</b><br/>10 bar (sizes 14" to 20")</li> <li>Working temperature – 10 °C + 105 °C.</li> <li>Burst Pressure 30 bar.</li> <li>Max. Working Vacuum 400 mbar.</li> </ol> |



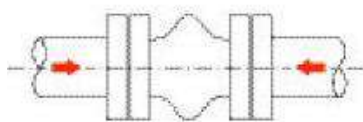
| Nº | Denominación / Name | Material                     | Acabado Superficial / Surface Treatment |
|----|---------------------|------------------------------|-----------------------------------------|
| 1  | Cuerpo / Body       | EPDM + Nylon                 | -----                                   |
| 2  | Aro / Ring          | Acero Carbono / Carbon steel | Cincado / Zinc plated.                  |
| 3  | Brida / Flange      | Acero Carbono / Carbon steel | Cincado / Zinc plated.                  |

### DIMENSIONES GENERALES / GENERAL DIMENSIONS

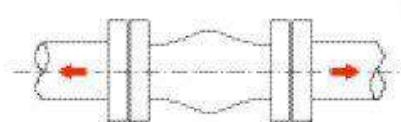
| Ref     | Medida / Size | DN | PN | Dimensiones / Dimensions (mm) |     |    |    |        |     |    | Peso / Weight (Kg) |
|---------|---------------|----|----|-------------------------------|-----|----|----|--------|-----|----|--------------------|
|         |               |    |    | ØA                            | ØB  | ØC | ØD | n x ØH | L   | E  |                    |
| 2831 07 | 1 1/4"        | 32 | 16 | 140                           | 100 | 32 | 69 | 4 x 18 | 95  | 16 | 2.86               |
| 2831 08 | 1 1/2"        | 40 | 16 | 150                           | 110 | 40 | 69 | 4 x 18 | 95  | 16 | 3.24               |
| 2831 09 | 2"            | 50 | 16 | 165                           | 125 | 52 | 86 | 4 x 18 | 105 | 16 | 4.10               |

| Ref     | Medida /<br>Size | DN  | PN | Dimensiones / Dimensions (mm) |     |     |     |        |     |    | Peso / Weight<br>(Kg) |
|---------|------------------|-----|----|-------------------------------|-----|-----|-----|--------|-----|----|-----------------------|
|         |                  |     |    | ØA                            | ØB  | ØC  | ØD  | n x ØH | L   | E  |                       |
| 2831 10 | 2 1/2"           | 65  | 16 | 185                           | 145 | 68  | 106 | 4 x 18 | 115 | 16 | 4.87                  |
| 2831 11 | 3"               | 80  | 16 | 200                           | 160 | 76  | 126 | 8 x 18 | 130 | 18 | 6.20                  |
| 2831 12 | 4"               | 100 | 16 | 220                           | 180 | 103 | 150 | 8 x 18 | 135 | 18 | 6.80                  |
| 2831 13 | 5"               | 125 | 16 | 250                           | 210 | 128 | 180 | 8 x 18 | 170 | 20 | 9.50                  |
| 2831 14 | 6"               | 150 | 16 | 285                           | 240 | 152 | 209 | 8 x 23 | 180 | 22 | 12.40                 |
| 2831 16 | 8"               | 200 | 16 | 340                           | 295 | 194 | 260 | 8 x 23 | 200 | 22 | 16.86                 |
| 2831 18 | 10"              | 250 | 16 | 395                           | 350 | 250 | 320 | 12x23  | 240 | 24 | 21.20                 |
| 2831 20 | 12"              | 300 | 16 | 445                           | 400 | 300 | 367 | 12x23  | 260 | 24 | 28.10                 |
| 2831 22 | 14"              | 350 | 10 | 505                           | 460 | 320 | 408 | 16x23  | 265 | 26 | 36.70                 |
| 2831 24 | 16"              | 400 | 10 | 565                           | 515 | 372 | 472 | 16x28  | 265 | 26 | 44.40                 |
| 2831 26 | 18"              | 450 | 10 | 615                           | 565 | 415 | 522 | 20x28  | 265 | 26 | 46.80                 |
| 2831 28 | 20"              | 500 | 10 | 670                           | 620 | 454 | 570 | 20x28  | 265 | 28 | 59.00                 |

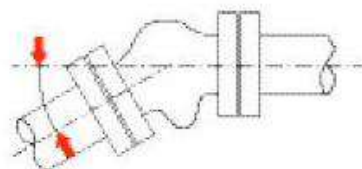
## Diagrama de desplazamientos / Diagram of displacements



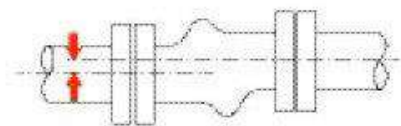
*Compresión Axial / Axial Compression*



*Elongación Axial / Axial Elongation*



*Deflexión Angular / Angular Deflection*



*Desplazamiento Lateral / Lateral Displacement*

| Ref.    | Compresión Axial<br>Axial Compression<br>(mm) | Elongación Axial<br>Axial Stretch<br>(mm) | Deflexión Angular<br>Angular deflection<br>(α 1) | Desplazamiento lateral<br>Lateral Displacement<br>(mm) |
|---------|-----------------------------------------------|-------------------------------------------|--------------------------------------------------|--------------------------------------------------------|
| 2831 07 | 10                                            | 6                                         | 15°                                              | 9                                                      |
| 2831 08 | 10                                            | 6                                         | 15°                                              | 9                                                      |
| 2831 09 | 10                                            | 7                                         | 15°                                              | 10                                                     |
| 2831 10 | 13                                            | 8                                         | 15°                                              | 12                                                     |
| 2831 11 | 15                                            | 8                                         | 15°                                              | 12                                                     |
| 2831 12 | 19                                            | 12                                        | 15°                                              | 15                                                     |
| 2831 13 | 19                                            | 12                                        | 15°                                              | 15                                                     |
| 2831 14 | 20                                            | 12                                        | 10°                                              | 15                                                     |
| 2831 16 | 20                                            | 12                                        | 10°                                              | 22                                                     |
| 2831 18 | 28                                            | 16                                        | 10°                                              | 22                                                     |
| 2831 20 | 28                                            | 16                                        | 10°                                              | 25                                                     |
| 2831 22 | 28                                            | 16                                        | 10°                                              | 25                                                     |
| 2831 24 | 28                                            | 16                                        | 10°                                              | 25                                                     |
| 2831 26 | 28                                            | 16                                        | 10°                                              | 25                                                     |
| 2831 28 | 28                                            | 16                                        | 10°                                              | 25                                                     |

## CURVA PRESIÓN TEMPERATURA / *PRESSURE TEMPERATURE RATING*

