

The jacketed gaskets are formed for a soul of soft material (FM, PTFE, graphite, etc.) and at the same time this material is partial or totally covered for a ductile metal sheet. The quality of the material for jacketed gaskets has to be selected in function to the work pressure and with the fluid which will be on contact. Thanks to its comprehensible and light structure are most indicated than the totally metal gaskets in pressures and temperatures.

The jacketed gaskets can be produced with one or various nerved disposed in different configurations. Can be produced basis on the regulations as the ASME 16.20 or according customer specific specifications. The most common materials used for the fabrications of the jacketed gaskets are metal materials as copper, aluminum, AISI 304, 316L, 321, and as a filling material: mineral fiber, graphite, PTFE, etc.

Con este tipo de juntas se utiliza un relleno de material blando (sin amianto, PTFE, Grafito, ...) con el recubrimiento de una lámina metálica. Esta composición mejora la resistencia a altas temperaturas y presiones. Gracias a su estructura compresible y ligera son más indicadas que las totalmente metálicas en presiones y temperaturas altas.

Through this system the employment of soft filling (Asbestos Free, PTFE, Graphite,...) is improved beyond its resistance peculiarities to temperatures and loads. By its structure easily compressible with lightening loads lower than those required for metallic gaskets, the gaskets find their proper employment in the presence of high pressures and temperatures.

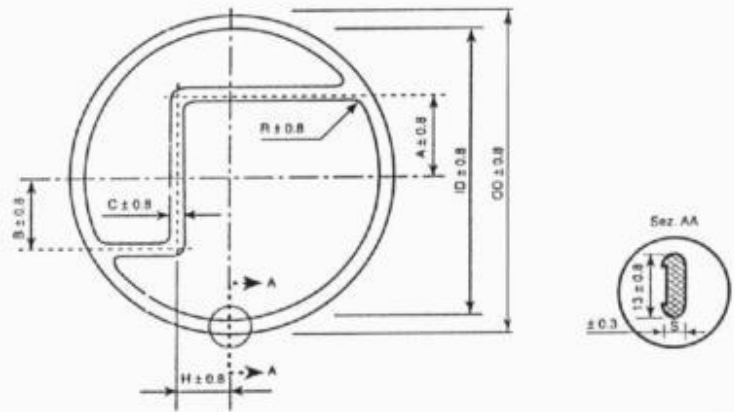
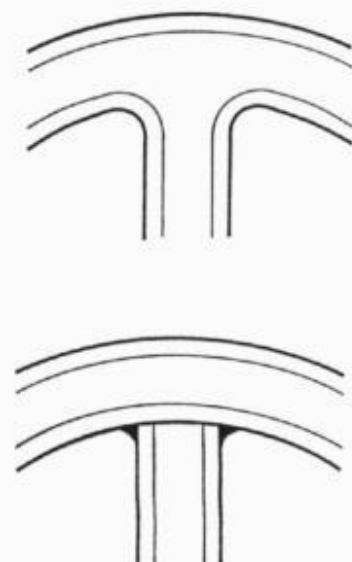
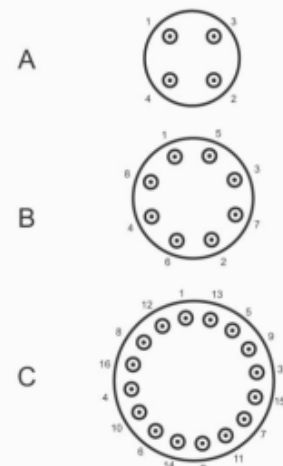
Están especialmente indicadas para intercambiadores de calor, cubiertas de válvulas, sobrecalentadores, registros...

The gaskets are especially recommended for sealing of heat-exchangers, valve-covers, autoclaves manholes, overheaters...

INSTALACIÓN DE LA JUNTA GASKETS INSTALLATION

SECUENCIA DE ATORNILLADO SEQUENCE OF SCREWING

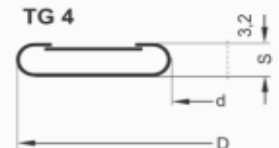
1. Limpiar cuidadosamente la superficie a sellar.
Clean accurately the surface to be sealed.
2. Poner la junta entre las superficies de las bridas.
Place the gasket between the surface of the flanges.
3. Limpiar las tuercas y lubricarlas con una mezcla de grafito y aceite.
Clean the bolts and lubricate them with a graphite and oil mixture.
4. Poner las tuercas en sus agujeros.
Place the bolts into the bolt holes.
5. Enroscar con la mano.
Finger tighten the nuts.
6. Siga el orden de enroscado según los dibujos.
Follow the bolting sequence in the sketches above.
7. En la 1ª vuelta del enroscado de las tuercas no lo haga más del 30% recomendado para la brida, podría deformarse la junta.
During the initial tightening sequence, do not tighten any bolts more than 30% of the recommended bolt stress. Doing so will cause cocking of the flange and the gasket will be crushed.
8. Comprobar que están todas bien colocadas y enroscadas.
Upon reaching the recommended torque requirements do a clockwise bolt to bolt torque check to make certain that the bolts have been stress evenly.



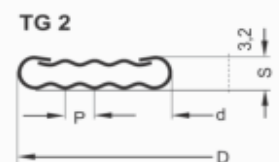
JUNTAS METALOPLÁSTICAS

DOUBLE JACKETED GASKETS

| Diámetro Nominal Nominal size | Diámetro interno Inside diameter | "D" Dimensions | | | | | | |
|----------------------------------|-------------------------------------|----------------|-------|-------|-------|-------|-------|-------|
| | | DN | d | 150Lb | 300Lb | 400Lb | 600Lb | 900Lb |
| 1/2" | 23,8 | 44,5 | 50,8 | 50,8 | 50,8 | 60,4 | 60,4 | 66,8 |
| 3/4" | 31,8 | 54,0 | 63,5 | 63,5 | 63,5 | 66,7 | 66,7 | 73,1 |
| 1" | 36,5 | 63,5 | 69,9 | 69,9 | 69,9 | 76,2 | 76,2 | 82,5 |
| 1 1/4" | 46,0 | 73,0 | 79,4 | 79,4 | 79,4 | 85,8 | 85,8 | 101,6 |
| 1 1/2" | 52,4 | 82,6 | 92,1 | 92,1 | 92,1 | 95,3 | 95,3 | 114,3 |
| 2" | 73,2 | 101,6 | 108,0 | 108,0 | 108,0 | 139,7 | 139,7 | 143,0 |
| 2 1/2" | 85,9 | 120,6 | 127,0 | 127,0 | 127,0 | 161,9 | 161,9 | 165,1 |
| 3" | 107,8 | 133,4 | 146,1 | 146,1 | 146,1 | 165,1 | 171,5 | 193,8 |
| 4" | 131,8 | 171,5 | 177,8 | 174,7 | 190,5 | 203,2 | 206,5 | 231,9 |
| 5" | 152,4 | 193,8 | 212,8 | 209,5 | 238,2 | 244,6 | 250,9 | 276,3 |
| 6" | 190,5 | 219,1 | 247,7 | 244,5 | 263,6 | 285,3 | 279,4 | 314,5 |
| 8" | 238,3 | 276,3 | 304,8 | 301,7 | 317,5 | 355,6 | 349,3 | 384,3 |
| 10" | 285,8 | 336,6 | 358,8 | 355,6 | 396,9 | 431,8 | 431,8 | 473,2 |
| 12" | 342,9 | 406,4 | 419,1 | 415,9 | 454,1 | 495,3 | 517,6 | 546,1 |
| 14" | 374,7 | 447,7 | 482,6 | 479,5 | 489,0 | 517,6 | 574,7 | |
| 16" | 425,5 | 511,2 | 536,6 | 533,4 | 562,0 | 571,5 | 638,2 | |
| 18" | 489,0 | 546,1 | 593,7 | 590,6 | 609,6 | 635,0 | 701,8 | |
| 20" | 533,4 | 603,3 | 650,9 | 644,5 | 679,5 | 695,5 | 752,5 | |
| 24" | 641,4 | 714,4 | 771,6 | 765,3 | 787,4 | 835,1 | 898,6 | |



| Diámetro Nominal Nominal size | Diámetro interno Inside diameter | "D" Dimensions | | | | |
|----------------------------------|-------------------------------------|----------------|--------|--------|--------|--------|
| | | DN | d | 150Lb | 300Lb | 400Lb |
| 26" | 673,1 | 771,6 | 831,8 | 828,8 | 863,6 | 879,6 |
| 28" | 723,9 | 828,8 | 895,3 | 889,0 | 911,3 | 943,1 |
| 30" | 774,7 | 879,6 | 949,4 | 943,1 | 968,5 | 1006,6 |
| 32" | 825,5 | 836,7 | 1003,3 | 1000,2 | 1019,3 | 1070,1 |
| 34" | 876,3 | 987,5 | 1054,1 | 1051,0 | 1070,1 | 1133,6 |
| 36" | 927,1 | 1044,7 | 1114,5 | 1114,5 | 1127,2 | 1197,1 |
| 38" | 977,9 | 1108,2 | 1051,0 | 1070,1 | 1101,8 | 1197,1 |
| 40" | 1028,7 | 1159,0 | 1111,2 | 1124,0 | 1152,6 | 1248,0 |
| 42" | 1079,5 | 1286,1 | 1162,0 | 1174,7 | 1216,1 | 1298,7 |
| 44" | 1130,3 | 1273,3 | 1216,1 | 1228,8 | 1267,0 | 1365,2 |
| 46" | 1181,1 | 1324,1 | 1270,0 | 1286,0 | 1324,1 | 1432,0 |
| 48" | 1231,9 | 1381,2 | 1320,8 | 1343,1 | 1387,6 | 1482,8 |
| 50" | 1282,7 | 1432,0 | 1374,9 | 1400,3 | 1444,7 | |
| 52" | 1333,5 | 1489,2 | 1425,7 | 1451,1 | 1495,5 | |
| 54" | 1384,3 | 1546,3 | 1489,2 | 1514,6 | 1552,7 | |
| 56" | 1431,1 | 1603,5 | 1540,0 | 1565,4 | 1603,5 | |
| 58" | 1485,9 | 1660,6 | 1590,8 | 1616,2 | 1660,6 | |
| 60" | 1536,7 | 1711,4 | 1641,6 | 1679,7 | 1730,5 | |





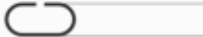
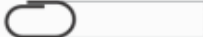
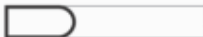








P= MIN 3,17 mm
MAX 6,35 mm

Todas las dimensiones en mm. - All dimensions are in mm.

Material a especificar en caso de orden : Tipo de metal y de relleno
Material to be specified when ordering: type of metal and type of insert.

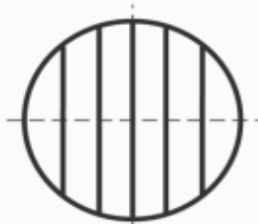
TOLERANCIAS / TOLLERANCES

| ≤ 24" | > 24" |
|----------------------------------|---------------------------------|
| D ^{+1,58} ₋₀ | D ^{+3,3} ₋₀ |
| d ^{+1,58} ₋₀ | d ^{+3,3} ₋₀ |
| s ^{+0,58} ₋₀ | s ^{+0,8} ₋₀ |

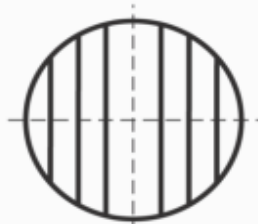
| JUNTAS METALOPLÁSTICAS | | TABLA DE PERFILES Y APLICACIONES | | | | |
|---|--------------|---|---------------------|---------|-------------------------------|--|
| SECCIÓN | APLICACIONES | APPLICATIONS | DIMENSIONES MAX. | | PRESIÓN Kg/cm ² | |
| | | | Diametro | Espesor | | |
|  | TG 4 | Retención de fluido y vapor <i>Vapor and fluid seal</i> | 4000 | 2/10 | 40/120 | |
|  | TG 2 | Retención de fluido y vapor <i>Vapor and fluid seal</i> | 4000 | 2/10 | 40/120 | |
|  | TG 7 | Brida macho-hembra <i>Flange male-female</i> | 2000 banda 10 mm | 2/5 | 25/100 | |
|  | TG 3 | Retención de vapor fluidos químicamente agresivos <i>Seal for chemically active vapors and fluids</i> | 2000 banda 10 mm | 2/5 | 25/100 | |
|  | TG 5 | Espacios limitados, válvulas <i>Valve covers and vacuum seals</i> | 2000 banda 10 mm | 2/10 | 25 | |
|  | TG 6 | Gas y vapor que no requieran protección externa <i>For gas and vapor seals where external protection not requested</i> | 2000 | 2/10 | 25/100 | |
|  | TG 10 | Gas y vapor que no requieran protección externa <i>For gas and vapor seals where external protection not requested</i> | 2000 | 2/10 | 25/100 | |
|  | TG 8 | Para bridas no perfectamente planas, baja presión <i>For flanges not perfectly flat at low pressure</i> | 2000 banda 10 mm | 2/10 | 25 | |
|  | TG 9 | Alta temperatura y baja presión <i>Tubings with high temperatures at low pressure</i> | 2000 | 10/30 | 25 | |
|  | TG 14 | Bridas de grandes diámetros no perfectamente planas <i>On flanges with large diameters not perfectly flat</i> | 2000 | 3/6 | 25/200 | |
|  | TG 11 | Como TG 4, fluidos químicamente agresivos <i>Like TG 4 chemically active fluids</i> | 2000 | 2/10 | 40/160 | |
|  | TG 12 | Tubos con temperatura elevada y baja presión <i>Tubings with high temperatures at low pressure</i> | 2000 | 10/30 | 25 | |
|  | TG 13 | Bridas de grandes diámetros no perfectamente planas <i>On flanges with large diameters not perfectly flat</i> | 2000 | 3/6 | 25/200 | |

DISEÑOS STANDARD

PARA JUNTAS DE INTERCAMBIADORES
GASKETS FOR HEAD-EXCHANGERS STANDARD SHAPES



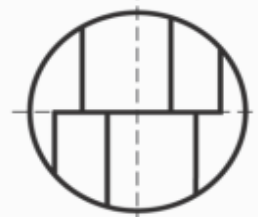
OD - ID - S - C - A - B - D - E fig. 19



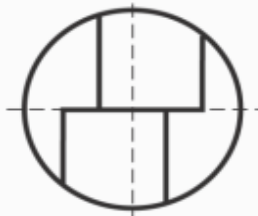
OD - ID - S - C - A - B - D - E - F - G fig. 25



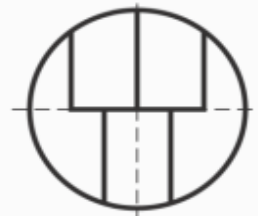
OD - ID - S - C - A - B - D - E fig. 20



OD - ID - S - C - A - B - D - E - F - G fig. 26



OD - ID - S - C - A - B - D - E fig. 21



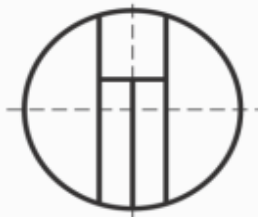
OD - ID - S - C - A - B - D - E fig. 27



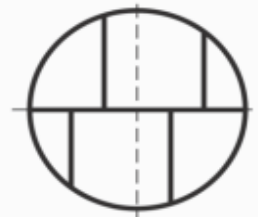
OD - ID - S - C - A - B fig. 22



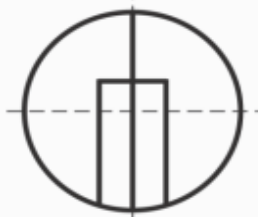
OD - ID - S - C - A - B - D - E fig. 28



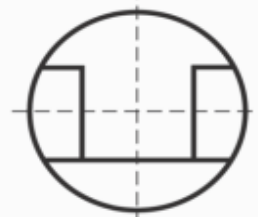
OD - ID - S - C - A - B - H fig. 23



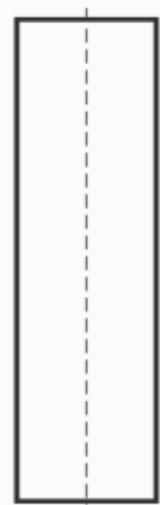
OD - ID - S - C - A - B - D - E fig. 29



OD - ID - S - C - A - B - H fig. 24

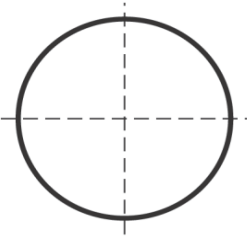
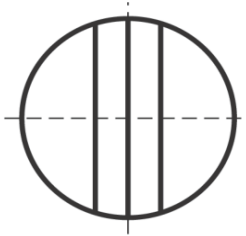
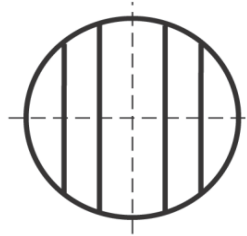
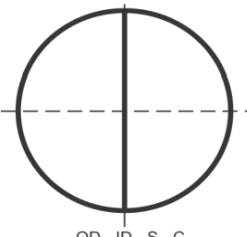
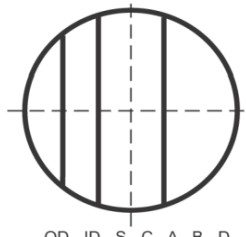
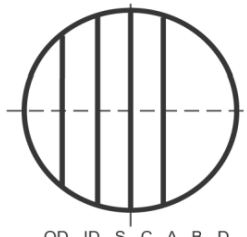
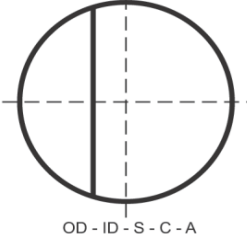
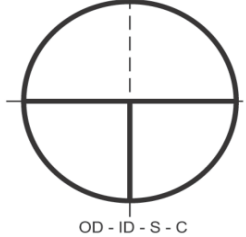
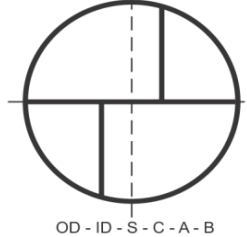
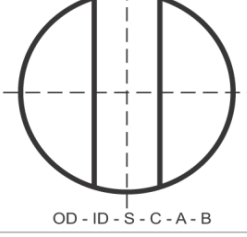
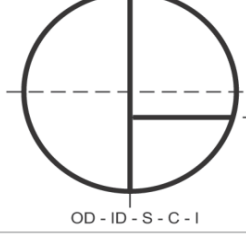
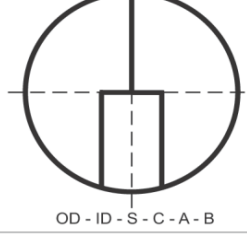
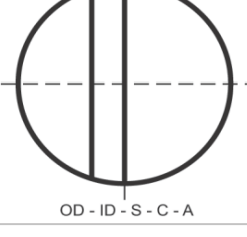
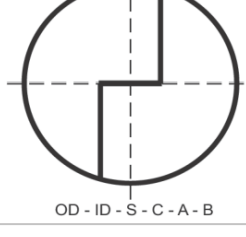
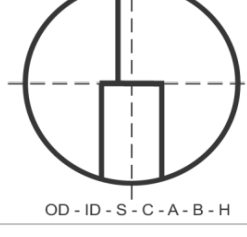
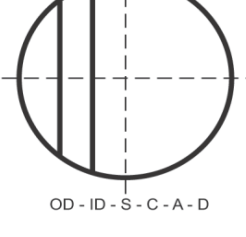
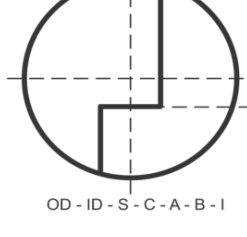
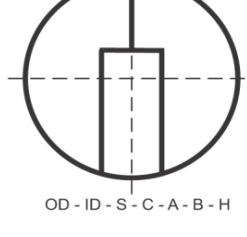


OD - ID - S - C - A - B - D - E fig. 30



DISEÑOS STANDARD

PARA JUNTAS DE INTERCAMBIADORES
GASKETS FOR HEAD-EXCHANGERS STANDARD SHAPES

| | | |
|---|---|---|
|  |  |  |
| fig. 1 | OD - ID - S - C - A - B fig. 7 | OD - ID - S - C - A - B - D - E fig. 13 |
|  |  |  |
| OD - ID - S - C fig. 2 | OD - ID - S - C - A - B - D fig. 8 | OD - ID - S - C - A - B - D fig. 14 |
|  |  |  |
| OD - ID - S - C - A fig. 3 | OD - ID - S - C fig. 9 | OD - ID - S - C - A - B fig. 15 |
|  |  |  |
| OD - ID - S - C - A - B fig. 4 | OD - ID - S - C - I fig. 10 | OD - ID - S - C - A - B fig. 16 |
|  |  |  |
| OD - ID - S - C - A fig. 5 | OD - ID - S - C - A - B fig. 11 | OD - ID - S - C - A - B - H fig. 17 |
|  |  |  |
| OD - ID - S - C - A - D fig. 6 | OD - ID - S - C - A - B - I fig. 12 | OD - ID - S - C - A - B - H fig. 18 |