JUNTAS BESMA, S.A.

# Juntas para Hidráulica

## Seals for Hydraulics

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www.juntasbesma.com besma@juntasbesma.com


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La calidad a su servicio

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JUNTAS BESMA, S.A.

# Catálogo Técnico

## Technical Catalogue



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WEB: http://www.juntasbesma.com

JUNTAS BESMA S.A. es una compañia líder con proyección internacional en la producción de juntas.

JUNTAS BESMA S.A. fue fundada en los años 60 y ha experimentado un gran crecimiento en los últimos 25 años. JUNTAS BESMA S.A. cuenta en su grupo industrial con la producción de **Productos Salinas**, con más de 40.000 moldes de piezas especiales en caucho y poliuretano y con el soporte de la compañia italiana **Guarnitec Group**, con la que mantiene estrechos lazos de colaboración internacional, experta en la producción de caucho, tejido y poliuretano para la industria hidraúlica y neumática, cuyo catálogo exponemos a continuación.

*JUNTAS BESMA S.A. is a leader company with international experience in the production and distribution of gaskets.*

*JUNTAS BESMA S.A., established in 1960, has had an exponential growth for the last 25 years.*

*We can count on the production of Productos Salinas, company of the same group, with more than 40.000 tools of non-standard items in rubber and polyurethane and on the support of the Italian company **Guarnitec Group**, with agreements of maximum international collaboration, which is expert in the production of rubber gaskets, fabric-rubber and polyurethane used for hydraulic and pneumatic cylinders, whose catalogue is showed hereafter.*

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# la Compañía

## the Company



BUREAU VERITAS
Certification

# Certificación
Certification

**Concedida a / Awarded to**

## JUNTAS BESMA, S.A.

Bº BARRONDO 12, PG. LANDETXE, 48480, VIZCAYA,

**Bureau Veritas certifica que el Sistema de Gestión ha sido auditado y encontrado conforme con los requisitos de la norma:**

Bureau Veritas certify that the Management System has been audited and found to be in accordance with the requirements of standard:

NORMA / STANDARD

ISO 9001:2008

El Sistema de Gestión se aplica a:

Scope of certification

Suministros Industriales y Servicios

FABRICACIÓN DE JUNTAS INDUSTRIALES. COMERCIALIZACIÓN DE PRODUCTOS DE ESTANQUEIDAD.

MANUFACTURE AND DISTRIBUTION OF INDUSTRIAL SEALING GASKETS.

| | |
|---|---|
| ***Número del certificado*** *Certificate Number* | **ES038700** |
| ***Aprobación original :*** *Original approval date :* | ***03/07/1998*** |
| ***Certificado en vigor:*** *Effective date:* | ***17/01/2012*** |
| ***Caducidad del certificado:*** *Certificate expiration date:* | ***16/01/2015*** |

Director General / General Manager
Bureau Veritas Certification, S.A.

***Este certificado está sujeto a los términos y condiciones generales y particulares de los servicios de certificación***
*This certificate is valid, subject to the general and specific terms and conditions of certification services*

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Issuing Office / Oficina emisora : Bureau Veritas Certification, S.A.
C/ Valportillo Primera 22-24, Edificio Caoba, Pol. Ind. La Granja, 28108 Alcobendas Madrid

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CERTIFICACIÓN
Nº 04/C-SC004

**Juntas** de VÁSTAGO
ROD **seals**

**Juntas** de PISTÓN
PISTON **seals**

**ANILLOS** guía
guide **RINGS**

**RASCADORES**
WIPERS



**serie** LIGERA
LIGHT **application**

**serie** MEDIA
MEDIUM **application**

**serie** PESADA
HEAVY **application**

# soluciones de **sellado**

# sealing **solutions**

Las características de la calidad del material empleado para la fabricación de las juntas para hidraúlica, tienen una importancia determinante para el correcto funcionamiento y la duración.
Este catálogo ofrece una amplia variedad de material, apropiado a cada aplicación.
Los principales factores a tener en consideración para elegir una solución de sellado son:

- Compression set.
- Dureza.
- Máxima resistencia a la abrasión.
- Óptima resistencia mecánica.

---

*The difference between correct and in correct sealing, overall life of the seal, applications and limitations are all significantly linked to the choice of material used in the hydraulic system. This catalogue offers an extensive range of standard and "tailor made" compounds that meet the demands of today's increasingly complex market. There are several important factors to keep in mind when choosing the correct sealing solution:*

- *Compression Set*
- *Hardness*
- *Ultimate Tensile Strength*
- *Ultimate Elongation*
- *Resilience*

*Once these parameters are set then you are ready to proceed in checking chemical compatibility, temperature range limits and storage & handling of materials. The following Material Specifications assist the user in proceeding to identify the correct material.*

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# materiales

## materials

# materials and fluid compatibility

| | | NBR | HNBR | FKM | Polyurethane PB501 | Polyurethane PN522 | PA66 | POM | PTFE |
|---|---|---|---|---|---|---|---|---|---|
| | Temperature Range °C | +110 -30 | +130 -30 | +200 -20 | +100 -35 | +110 -45 | +180 -20 | +130 -40 | +260 -200 |
| Mineral Oil based Fluids | Motor Oils | ● | ● | ● | ◆ | ◆ | ● | ● | ● |
| | Automatic transmission Fluids | ● | ● | ● | ● | ● | ● | ● | ● |
| | Family H hydraulic oils (HL, HM, HV) | ● | ● | ● | ● | ● | ● | ● | ● |
| Greases | Mineral Oil based Greases | ● | ● | ● | ● | ● | ● | ● | ● |
| | Silicone based Greases | ● | ● | ● | ● | ● | ● | ● | ● |
| Fuels | Diesel Fuel | ◆ | ◆ | ● | ◆ | ◆ | ● | ● | ● |
| | Normal Grade Fuel | ◆ | ◆ | ● | ◆ | ◆ | ● | ● | ● |
| | Premium Grade Fuel | ◆ | ◆ | ● | ◆ | ◆ | ● | ● | ● |
| Fire Resistant Fluids | HFA Fluids oil in water | ● | ● | ▲ | ◆ | ◆ | ● | ● | ● |
| | HFB Fluids water in oil | ▲ | ▲ | ▲ | ◆ | ◆ | ● | ● | ● |
| | HFC Fluids water - glycol | ● | ● | ● | ▲ | ▲ | ● | ● | ● |
| | HFDR Fluids Phosfate Esters | ▲ | ▲ | ◆ | ▲ | ▲ | ● | ● | ● |
| | HFDU Fluids High Performance Bio Oil | ● | ● | ● | ▲ | ▲ | ● | ● | ● |
| Bio Based Hydraulic Oils | HETG Vegetable Oil based Hydraulic Fluids | ● | ● | ● | ● | ● | ● | ● | ● |
| | HEES Synthetic ester based Hydraulic Fluids | ● | ● | ● | ● | ● | ● | ● | ● |
| | HEPG Synthetic Polyglycol based Hydraulic Fluids | ● | ● | ● | ● | ● | ● | ● | ● |
| Other Fluids | Water | ● | ● | ● | ◆ | ◆ | ● | ● | ● |
| | Air | ● | ● | ● | ● | ● | ● | ● | ● |
| | Brake Fluid | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● |

● COMPATIBLE / *SUITABLE*

◆ LIMITADO / *LIMITED APPLICATION*

▲ NO COMPATIBLE / *NOT SUITABLE*

Las informaciones de la tabla son generales y variables en función de la temperatura de trabajo.
*Information contained in this table is general and variable depending on working temperatures.*

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| Polyurethane EU/AU | | | | |
|---|---|---|---|---|
| *Name* | TECNOLAN PB501 | TECNOLAN PB508 | TECNOLAN PN522 | TECNOLAN PB546 |
| *Hardness* | 92° ShA | 94° ShA | 95° ShA | 58° ShD |
| *Temperature Range* | -35°C +100°C | -35°C +100°C | -45°C +110°C | -35°C +100°C |

Mezcla con óptima resistencia mecánica, elevado alargamiento a la rotura y excelente resistencia a la abrasión. Apto en presencia de aceite mineral, derivados del petróleo e hidrocarburos. No resiste a fluidos para frenos , hidrocarburos clorados y soluciones alcalinas.

*Polyurethane is a commonly used material for hydraulic seals as it posses excellent elastic properties. Good mechanical strength, abrasion resistance and flexibility make this an optimal material for applications where grease, mineral oils, water oil mixtures and aliphatic hydrocarbons are present. Polyurethane is not resistant to polar solvents, brake fluids, acids or alkalis.*

| Nitrile Butadiene Rubber NBR | | |
|---|---|---|
| *Name* | TECNOLEO TDS101 | TECNOLEO TDS108 |
| *Hardness* | 77° ShA | 70° ShA |
| *Temperature Range* | -30°C +110°C | -50°C +110°C |

Mezcla con buena resistencia a la deformación permanente, abrasión y envejecimiento. Apto en presencia de aceite mineral, animal y vegetal, agua, grasas e hidrocarburos en general. No compatible con fluido de frenos no minerales.

*Superior to most Elastomers NBR is the standard material for hydraulics. Characteristics such as good abrasion resistance, good resistance to compression set and high tensile strength make this an excellent material choice. Resistant to oils ( both mineral and vegetable), hydraulic fluids, water fuels, gases, NBR is resistant to a wide variety of chemicals but not suitable for use in brake fluids or fuels in general with a high content of aromatics.*

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| Fluoroelastomer FKM | |
|---|---|
| *Name* | TECNOLEO TDS106 |
| *Hardness* | 75° ShA |
| *Temperature Range* | -20°C +200°C |

Mezcla con óptima resistencia al envejecimiento, apto en presencia de altas temperaturas, excelente compatibilidad con aceite mineral, hidrocarburos y agentes químicos.

*Commonly used where wide temperature ranges are present combined with highly corrosive fluids and hydrocarbons FKM shows excellent resistance to high temperatures, oxygen, ozone and natural weathering.*
*Not suitable for use where ethers and ketones are present.*

| Nitrile Butadiene Reinforced Cotton Fabric RCF | |
|---|---|
| *Name* | TECNOTEX TDS301 |
| *Hardness* | |
| *Temperature Range* | -30°C +120°C |

Buena resistencia a la deformación permanente, abrasión y envejecimiento. Apto en presencia de aceite mineral, animal y vegetal,agua,grasa e hidrocarburos en general. No compatible con fluido de frenos no minerales.

*Reinforced Cotton Fabric with Nitrile Elastomer (layers of cotton impregnated with nitrile elastomer) offer permanent deformation, abrasion and natural weathering. Produced with the highest quality material grades it is compatible with mineral, vegetable and animal oils, , water, grease and hydrocarbons in general. Not suitable for brake fluids. Guarnitec offers are wide range of material choices for this specific profile.*



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

## Reinforced Cotton Fluoroelastomer RCF FKM

| | |
|---|---|
| Name | TECNOTEX TDS304 |
| Hardness | |
| Temperature Range | -20°C +200°C |

Óptima resistencia al envejecimiento, apto en presencia de elevada temperatura. Excelente compatibilidad con aceite mineral, hidrocarburos y agentes químicos.

*Reinforced Cotton Fabric with Fluoroelastomer (layers of cotton impregnated with FKM). Excellent material choice for applications with high temperature ranges and use of corrosive fluids.*

## Polyoxymethylene-Polyacetal POM

| | | |
|---|---|---|
| Name | TECNOTEX TDS401 | TECNOTEX TDS410 |
| Hardness | | |
| Temperature Range | -40°C +130°C | -40°C +130°C |

Resina con óptima resistencia a la tracción e impacto, bajo coeficiente de fricción y elevado módulo elástico. Excelente compatibilidad con la mayor parte de los aceites lubricantes y fluidos en general.

*Offering excellent physical and chemical properties POM satisfies a wide range of precision parts. Low coefficient of friction, low water absorption, high stiffness and excellent dimensional stability are the main characteristics. Compatible with gasoline, moisture and neutral lubricants and chemicals in general. Sensitive to acid hydrolysis and oxidations such aSeral acids and chlorine.*

## Polyamide PA66

| | |
|---|---|
| Name | TECNOTEX TDS404 |
| Hardness | |
| Temperature Range | -20°C +180°C |

Polímero con óptimas propiedades de deslizamiento y desgaste, insensible a las impurezas. Óptima compatibilidad con la mayor parte de disolventes, hidrocarburos y aceites lubricantes en general.

*Polyamide (Nylon) offers excellent abrasion resistance, rigidity and thermostability. A preferred material for parts subject to mechanical and thermal stress. Compatible with most all solvents and hydraulic fluids in general.*

## Thermoplastic Polyester Elastomer TPE

| | |
|---|---|
| Name | TECNOTEX TDS409 |
| Hardness | 55° ShD |
| Temperature Range | -40°C +140°C |

Elevada resistencia a la abrasión y al envejecimiento con óptima flexibilidad a bajas temperaturas. Excelente compatibilidad con disolventes, hidrocarburos y aceites lubricantes en general.

*Excellent weather resistance. Good mechanical and chemical resistance. Wide range of fluid compatibility with greases, acids and bases in general.*

## Polytetrafluoroethylene PTFE

| | | | |
|---|---|---|---|
| Name | TEF-RING TDS703 | TEF-RING TDS704 Bronze Filled | TEF-RING TDS705 Glass Filled |
| Hardness | | | |
| Temperature Range | -180°C +240°C | -200°C +260°C | -150°C +260°C |

Polímero con coeficiente de fricción muy bajo, óptima resistencia al envejecimiento y a esfuerzos estáticos y dinámicos. Óptima resistencia a los agentes químicos en general.

*Highly saturated fluorocarbon polymer with properties such as low static coefficient of fiction, high chemical resistance and a wide range of operating temperatures. Resistant to almost all media it can be sensitive to alkali and fluorine compounds only at high temperatures.*

## Phenol-Formaldehyde PF

| | |
|---|---|
| Name | TEXILAN TDS701 |
| Hardness | |
| Temperature Range | -30°C +120°C |

Resina con elevado módulo elástico, excelente resistencia a las cargas laterales, a la tracción, a la abrasión y al desgaste. Bajo coeficiente de fricción.

*PF material characteristics are good compression set, heat distortion, hardness and good self lubricating properties. Resistant to flame retardant agents, weak acids, non polar solvents and alkalis and organic solvents.*

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# Rugosidad de la superficie

El grado de rugosidad de una superficie está definidopor el máximo valor de $R_a$ de entre los distintos puntos de una superficie. La duración y la estanqueidad de una junta están estrechamente ligados a la calidad de la superficie de la zona de contacto.

Es importante prestar atención a toda la superficie pero sobre todo donde la junta desliza dinámicamente. Es necesario comprobar la ausencia de raspaduras y marcas superficiales.

# Surface Roughness

*The roughness of the surface finish is defined by the maximum value of $R_a$ which is taken from different points of the surface. The life expectancy of the sealing elements are to a great extent linked to the quality of the surface finish and so higher demands during production should be considered. The dynamic surfaces, those of importance when considering direct contact between seal and mating surface to be sealed, should be free of scratches, machining marks and abrasive particles.*

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| Surface Properties / Surface Profile | Pt | $R_{z\,max}$ | $R_z$ | $R_a$ | $R_{tp}$ | Mr1 | Mr2 | Bearing Capacity graph (Abbott graph) |
|---|---|---|---|---|---|---|---|---|
| | – | – | – | µm | – | C0,25 | C0,25 | |
|  | 1 | 1 | 1 | **0,25** | 0,2 | 75% | 75% |  |
|  | 1 | 1 | 1 | **0,25** | 0,8 | 15% | 15% |  |
|  | 1 | 1 | 1 | **0,2** | 0,2 | 85% | 85% |  |
|  | 1 | 1 | 1 | **0,2** | 0,8 | 20% | 20% |  |
|  | 1 | 1 | 0,4 | **0,08** | 0,15 | 88% | 88% |  |
|  | 1 | 1 | 0,4 | **0,08** | 0,85 | 7% | 7% |  |
|  | 1 | 1 | 1 | **0,2** | 0,5 | 25% | 25% |  |
|  | 1 | 1 | 1 | **0,3** | 0,3 | 38% | 38% |  |
|  | 1 | 0,5 | 0,4 | **0,1** | 0,2 | 85% | 17% |  |

## TOLERANCIAS-Tolerances

| dimensiones nominales *nominal dimensions* ø mm | | vástago- *rod* *(0.001 mm)* | | | | | | | | alojamiento- *bore* *(0.001 mm)* | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***from*** | ***to*** | e9 | f7 | f8 | f9 | h8 | h9 | h10 | h11 | H8 | H9 | H10 | H11 |
| 1.6 | 3 | -14 | -6 | -6 | -6 | 0 | 0 | 0 | 0 | +14 | +25 | +40 | +60 |
| | | -39 | -16 | -20 | -31 | -14 | -25 | -40 | -60 | 0 | 0 | 0 | 0 |
| 3 | 6 | -20 | -10 | -10 | -10 | 0 | 0 | 0 | 0 | +18 | +30 | +48 | +75 |
| | | -50 | -22 | -28 | -40 | -18 | -30 | -48 | -75 | 0 | 0 | 0 | 0 |
| 6 | 10 | -25 | -13 | -13 | -13 | 0 | 0 | 0 | 0 | +22 | +36 | +58 | +90 |
| | | -61 | -28 | -35 | -49 | -22 | -36 | -58 | -90 | 0 | 0 | 0 | 0 |
| 10 | 18 | -32 | -16 | -16 | -16 | 0 | 0 | 0 | 0 | +27 | +43 | +70 | +110 |
| | | -75 | -34 | -43 | -59 | -27 | -43 | -70 | -110 | 0 | 0 | 0 | 0 |
| 18 | 30 | -40 | -20 | -20 | -20 | 0 | 0 | 0 | 0 | +33 | +52 | +84 | +130 |
| | | -92 | -41 | -53 | -72 | -33 | -52 | -84 | -130 | 0 | 0 | 0 | 0 |
| 30 | 50 | -50 | -25 | -25 | -25 | 0 | 0 | 0 | 0 | +39 | +62 | +100 | +160 |
| | | -112 | -50 | -64 | -87 | -39 | -62 | -100 | -160 | 0 | 0 | 0 | 0 |
| 50 | 80 | -60 | -30 | -30 | -30 | 0 | 0 | 0 | 0 | +46 | +74 | +120 | +190 |
| | | -134 | -60 | -76 | -104 | -46 | -74 | -120 | -190 | 0 | 0 | 0 | 0 |
| 80 | 120 | -72 | -36 | -36 | -36 | 0 | 0 | 0 | 0 | +54 | +87 | +140 | +220 |
| | | -159 | -71 | -90 | -123 | -54 | -87 | -140 | -220 | 0 | 0 | 0 | 0 |
| 120 | 180 | -85 | -43 | -43 | -43 | 0 | 0 | 0 | 0 | +63 | +100 | +160 | +250 |
| | | -185 | -83 | -106 | -143 | -63 | -100 | -160 | -250 | 0 | 0 | 0 | 0 |
| 180 | 250 | -100 | -50 | -50 | -50 | 0 | 0 | 0 | 0 | +72 | +115 | +185 | +290 |
| | | -215 | -96 | -122 | -165 | -72 | -115 | -185 | -290 | 0 | 0 | 0 | 0 |
| 250 | 315 | -110 | -56 | -56 | -56 | 0 | 0 | 0 | 0 | +81 | +130 | +210 | +320 |
| | | -240 | -108 | -137 | -186 | -81 | -130 | -210 | -320 | 0 | 0 | 0 | 0 |
| 315 | 400 | -125 | -62 | -62 | -62 | 0 | 0 | 0 | 0 | +89 | +140 | +230 | +360 |
| | | -265 | -119 | -151 | -212 | -89 | -140 | -230 | -360 | 0 | 0 | 0 | 0 |

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# dimensiones y tolerancias

# dimensions and **tolerances**

# Almacenamiento

Durante el almacenamiento, los productos de caucho y materiales plásticos pueden estar sujetos a envejecimiento con la consiguiente alteración de sus características mecánicas. Esta alteración puede ser debida a diversos factores como agentes oxidantes, ozono, luz solar directa, excesivo calor, rayos ultravioletas, humedad, polvo, y agentes químicos incompatibles.

Cuando las condiciones son óptimas las juntas en goma y materiales plásticos no sufren variaciones, incluso en periodos largos.

Nuestro método de embalado - bolsas AUV y cajas de cartón- permite, unido a la presencia de condiciones óptimas, una larga conservación.

- La temperatura óptima para el almacenaje debe estar comprendida entre 5º y 25º C. con valores de humedad máximos del 60%. Temperaturas inferiores no alteran no alteran las características pero es aconsejable estabilizar el producto a 20º-25º C. antes de proceder al montaje.
- Oxigeno y ozono son agentes oxidantes y se recomienda por lo tanto proteger las juntas y las partes plásticas de la circulación del aire poniéndolos en bolsas de polietilenoy recipientes opacos cerrados. Siendo la exposición al ozono particularmente gravosa, se recomienda no almacenar el producto en locales con presencia de maquinaria o instalaciones eléctricas potentes.
- Se aconseja almacenar el producto de goma y materiales plásticos en recipientes opacos para asegurar una protección de la luz directa del sol, rayos ultravioletas y lámparas fluorescentes. Es recomendable tratar los cristales de las ventanas para asegurar un filtro protector de la luz solar.
- El polvo puede alterar las características mecánicas del producto, se aconseja verificar la ausencia total de polvo antes de proceder al montaje.
- Con el fin de evitar cualquier tipo de deformación en el almacenaje, es recomendable verificar la ausencia de tensiones o cargas sobre el producto. Estar sometido a tensiones acelera la alteración de las características mecánicas y la sensibilidad al fenómeno del envejecimiento. Se recomienda no almacenar durante largo tiempo juntas ya premontadas.
- Sin permiso del fabricante, es preferible evitar el contacto con disolventes, aceites o grasas lubricantes, durante el almacenamiento. Algún metal como cobre o manganeso, pueden deteriorar algún tipo de caucho. Se aconseja evitar el contacto directo del caucho con estos metales.

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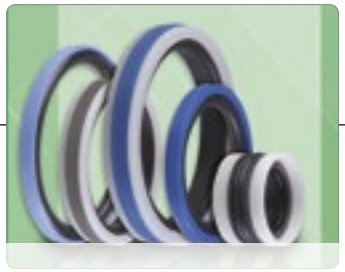
# Storage Guidelines

*With a few simple precautions the overall life of JUNTAS BESMA,S.A. products can be considerably lengthened. Seals, often stored as spare parts for prolonged periods of time can loose their physical and mechanical properties ultimately becoming unusable. These changes may be the result of a combination of factors such as deformation, oxygen, ozone, light, heat, humidity and solvents in general. A combination of JUNTAS BESMA,S.A. standard packaging (AUV bags and cardboard boxes) along with proper storage facilities assure long seal life. The following recommendations for storage are as follows:*

- *Storage Temperature should be from 5°C to 25°C. We recommend that the seals be stabilized at room temperature before assembling.*
- *Oxygen and Ozone are both oxidating agents therefore we recommend protecting seals in AUV bags or in airtight containers. Equipment producing high levels of ozone such as electrical motors, halogen lighting and similar devices should not be placed in the storage area.*
- *Artificial lighting with UV rays or direct sunlight is harmful to all rubber and plastic products. Seals should ideally be stored in the dark or bulbs are preferred over neon lighting.*
- *In order to avoid deformation it is important to store seals free from tension or subject them to permanent weight. Strain conditions alter mechanical properties and sensitivity to ageing phenomena. Do not store pre-assembled seals for long periods of time with the presence of similar conditions.*
- *During storage care should be taken that the seals do not come into contact with solvents, lubricants, oils or any other semi-solid material. Some metals like brass and copper can have damaging effects on different rubber compounds therefore should not be stores in direct contact with such material or their alloys.*



**Juntas** de VÁSTAGO
**ROD seals** 14



**Juntas** de PISTÓN
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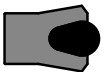


**RASCADORES**
Wipers 240



**Juntas** para CIERRE ESTÁTICO
**STATIC seals** 290


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| PERFIL *PROFILE* | TIPO *SEAL TYPE* | Valores • *technical data* MPa | speed m/s | temp. °C | MATERIAL *MATERIAL* | tight | medium | heavy | página *page* |
|---|---|---|---|---|---|---|---|---|---|
|  | **TSE** | 25 | 0,5 | -30 +110 | NBR + Tejido *NBR + Fabric* | • | • • | | 16÷24 |
|  | **TSE/AI** | 40 | 0,5 | -30 +110 | NBR + Tejido + POM *NBR + Fabric + POM* | • | • • | • • • | 16÷24 |
|  | **TGO** | 25 | 0,5 | -30 +110 | NBR + Tejido *NBR + Fabric* | • | • • | | 26÷29 |
|  | **GT/5** | 40 | 0,5 | -30 +110 | NBR + Tejido *NBR + Fabric* | | • • | • • • | 30÷39 |
|  | **GT/7** | 40 | 0,5 | -30 +110 | NBR + Tejido *NBR + Fabric* | | • • | • • | 30÷39 |
|  | **PSE PSE/K** | 70 | 0,5 | -30 +110 | NBR + Tejido + POM *NBR + Fabric + POM* | | • • | • • • | 40÷45 |
|  | **TTS** | 40 | 0,5 | -35 +100 | Poliuretano *Polyurethane* | • | • • | | 46÷58 |
|  | **TTS/L** | 40 | 0,5 | -35 +100 | Poliuretano *Polyurethane* | • | • • | | 46÷58 |
|  | **TTI** | 40 | 0,5 | -35 +100 | Poliuretano *Polyurethane* | • | • • | | 60÷77 |
|  | **TTI/L** | 40 | 0,5 | -35 +100 | Poliuretano *Polyurethane* | • | • • | • • • | 60÷77 |
|  | **TTH/AI** | 40 | 0,5 | -35 +100 | Poliuretano + POM *Polyurethane + POM* | | • • | • • • | 78÷81 |
|  | **TTX TTX+S** | 40 50 | 1,0 | -35 +100 | Poliuretano *Polyurethane* | | • • | • • • | 82÷86 |
|  | **GIP** | 25 | 0,5 | -35 +100 | Poliuretano + NBR *Polyurethane + NBR* | • | • • | | 88÷90 |
|  | **TLI** | 50 | 1,0 | -30 +110 | NBR + Tejido *NBR + Fabric* | | • • | • • • | 92÷95 |
|  | **GUA-RING 02** | 50 | 12 | -30 +100 | PTFE + NBR *PTFE + NBR* | | • • | • • • | 96÷100 |
|  | **GIR** | 50 | 15 | -30 +100 | PTFE + NBR *PTFE + NBR* | | • • | • • • | 102÷106 |
|  | **BUFFER** | 40 | 0,8 | -35 +100 | Poliuretano + POM *Polyurethane + POM* | | • • | • • • | 108÷110 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

JUNTAS BESMA, S.A.



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# Juntas de VÁSTAGO

## ROD seals



# TSE
# TSE/AI

**Juntas** de VÁSTAGO
ROD **seals**

TECNOTEX



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| Versión standar | | *Standard version* | |
|---|---|---|---|
| TSE | Goma-lona | *TSE* | *NBR/Cotton Fabric* |
| TSE/AI | Goma-lona+POM | *TSE/AI* | *NBR/Cotton Fabric+POM* |

| **Versión alternativa** | | ***Alternative Versions*** | |
|---|---|---|---|
| TSE FKM | Goma-lona FKM | *TSE FKM* | *NBR/Cotton Fabric FKM* |
| TSE/AI FKM | Goma-lona FKM+POM | *TSE/AI FKM* | *NBR /Cotton Fabric FKM+POM* |

| **Presión hasta / *Pressure up to*** | |
|---|---|
| 25 MPa TSE | 40 MPa TSE/AI |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -30° +110°C | -20°C +200°C FKM |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos | *Standard hydraulic cylinders* |
| Prensas hidraúlicas | *Presses* |
| Montacargas y ascensores | *Lifts* |

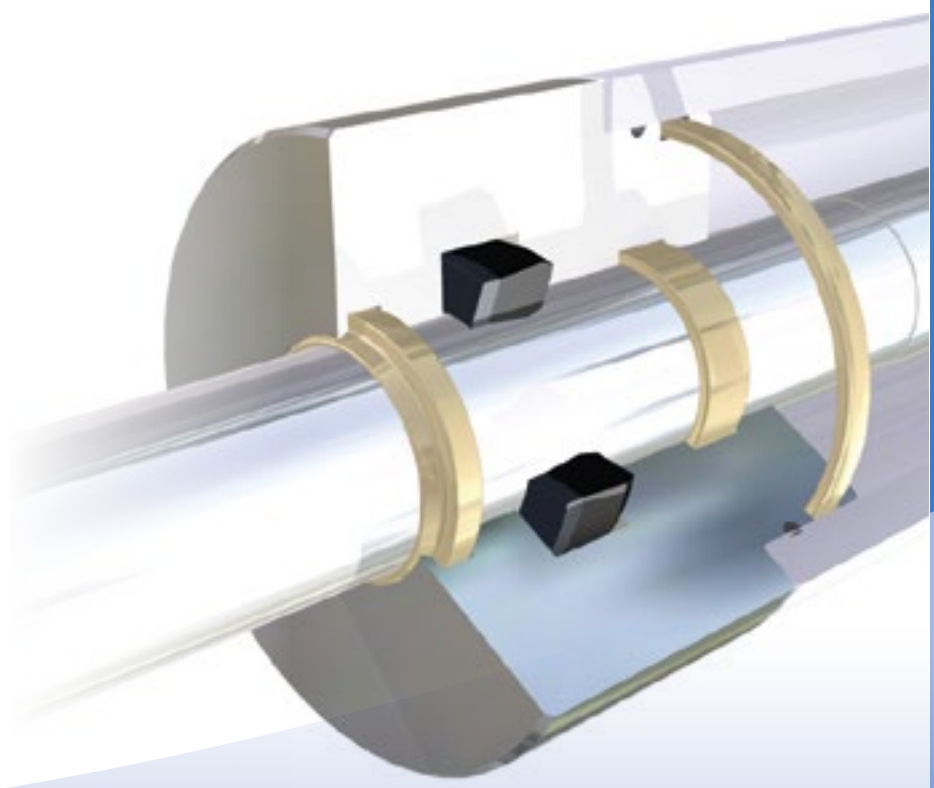


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# TSE • TSE/AI

16÷24

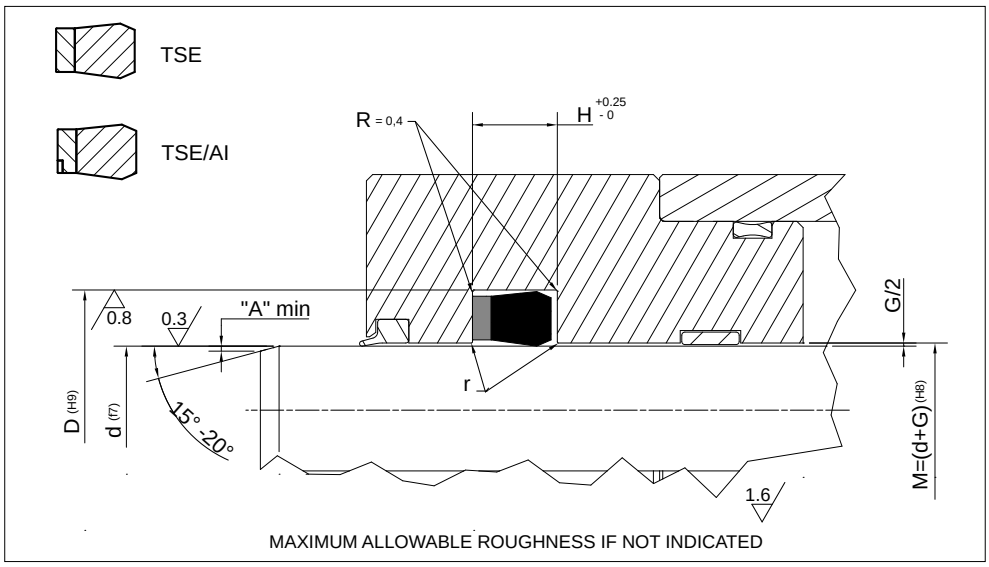
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Juntas de VÁSTAGO
ROD seals

# TSE
# TSE/AI




MAXIMUM ALLOWABLE ROUGHNESS IF NOT INDICATED



| Rod Seal design guidelines | | | | |
|---|---|---|---|---|
| | 0mm < d ≤ 50mm | 50mm < d ≤ 100mm | 100mm < d ≤ 150mm | d ≥ 150mm |
| r | remove sharp edges | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | Operating pressure to determinate Maximum Gap Allowance: G/2 | | | | |
|---|---|---|---|---|---|
| | Profile Dimension | > 16 MPa | > 26 MPa | > 32 MPa | > 40 MPa |
| G | ≤ 5 | 0.50 mm | 0.40 mm | 0.35 mm | |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm | 0.40 mm | 0.35 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm | 0.45 mm | 0.40 mm |
| | 15 | 0.65 mm | 0.55 mm | 0.45 mm | 0.40 mm |

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TSE 2001 | 047019/A | 5,00 | 12,00 | 6,50 |
| TSE 2002 | 051023/A | 6,00 | 13,00 | 6,50 |
| TSE 2003 | 059031/A | 8,00 | 15,00 | 6,50 |
| TSE 2003/1 | 070039/1 | 10,00 | 18,00 | 6,00 |
| TSE 2004 | 075047/A | 12,00 | 19,00 | 6,50 |
| TSE 2005 | 086055/A | 14,00 | 22,00 | 6,50 |
| TSE 2006 | 086055 | 14,00 | 22,00 | 6,50 |
| **TSE 2006/1** | **087062** | 15,87 | 22,22 | 5,25 |
| **TSE 2006/3** | **090047** | 12,00 | 23,00 | 7,50 |
| **TSE 2006/2** | **090055** | 14,00 | 23,00 | 7,00 |
| **TSE 2007** | **090059** | 15,00 | 23,00 | 6,30 |
| **TSE 2007/1** | **090063** | 16,00 | 23,00 | 7,00 |
| **TSE 2008** | **094063/1** | 16,00 | 24,00 | 6,40 |
| **TSE 2009** | **094063** | 16,00 | 24,00 | 7,00 |
| **TSE 2010** | **102070/A** | 18,00 | 26,00 | 6,50 |
| **TSE 2011** | **102070** | 18,00 | 26,00 | 7,00 |
| **TSE 2012** | **106059** | 15,00 | 27,00 | 7,00 |
| **TSE 2013** | **106078** | 20,00 | 27,00 | 6,50 |
| **TSE 2014** | **110070** | 18,00 | 28,00 | 6,30 |
| **TSE 2014/2** | **110070/1** | 18,00 | 28,00 | 9,50 |
| **TSE 2014/1** | **118070** | 18,00 | 30,00 | 7,50 |
| **TSE 2015** | **110078/1** | 20,00 | 28,00 | 6,30 |
| **TSE 2016** | **110078** | 20,00 | 28,00 | 7,00 |
| **TSE 2017** | **118078** | 20,00 | 30,00 | 8,50 |
| **TSE 2018** | **118086/A** | 22,00 | 30,00 | 6,50 |
| **TSE 2019** | **118086** | 22,00 | 30,00 | 7,00 |
| **TSE 2019/3** | **124098** | 25,00 | 32,00 | 7,00 |

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TECNOTEX

Juntas de VÁSTAGO
ROD seals

# TSE
# TSE/AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TSE 2019/2 | 125087 | 22,09 | 31,75 | 9,20 |
| TSE 2019/1 | 125094 | 24,00 | 32,00 | 7,50 |
| TSE 2020 | 129098 | 25,00 | 33,00 | 6,40 |
| TSE 2021 | 133086 | 22,00 | 34,00 | 9,50 |
| TSE 2022 | 134094 | 24,00 | 34,00 | 6,50 |
| TSE 2023 | 137078 | 20,00 | 35,00 | 11,50 |
| TSE 2024 | 137086 | 22,00 | 35,00 | 10,00 |
| TSE 2025 | 137098 | 25,00 | 35,00 | 9,00 |
| TSE 2025/2 | 137100 | 25,40 | 34,90 | 6,35 |
| TSE 2026 | 137106 | 27,00 | 35,00 | 6,50 |
| TSE 2027 | 141110 | 28,00 | 36,00 | 6,40 |
| TSE 2027/1 | 143093 | 23,81 | 36,51 | 10,00 |
| TSE 2028 | 147118 | 30,00 | 37,50 | 6,50 |
| TSE 2029 | 149098 | 25,00 | 38,00 | 10,00 |
| TSE 2030 | 149110/1 | 28,00 | 38,00 | 8,00 |
| TSE 2031 | 149118 | 30,00 | 38,00 | 6,40 |
| TSE 2031/1 | 150100 | 25,40 | 38,10 | 10,00 |
| TSE 2031/2 | 157078 | 20,00 | 40,00 | 9,50 |
| TSE 2032 | 157102/1 | 26,00 | 40,00 | 10,00 |
| TSE 2033 | 157110 | 28,00 | 40,00 | 9,50 |
| TSE 2033/1 | 156111 | 28,19 | 39,68 | 8,00 |
| TSE 2034 | 157118 | 30,00 | 40,00 | 7,50 |
| TSE 2035 | 157125/A | 32,00 | 40,00 | 6,40 |
| TSE 2036 | 157125 | 32,00 | 40,00 | 9,00 |
| TSE 2037 | 161110 | 28,00 | 41,00 | 10,00 |
| TSE 2037/1 | 162112 | 28,57 | 41,27 | 10,00 |
| TSE 2037/2 | 165125 | 32,00 | 42,00 | 9,70 |
| TSE 2038 | 169137 | 35,00 | 43,00 | 6,50 |
| TSE 2038/1 | 169137/1 | 35,00 | 43,00 | 8,00 |
| TSE 2039 | 169141 | 36,00 | 43,00 | 6,50 |
| TSE 2040 | 173098 | 25,00 | 44,00 | 12,50 |
| TSE 2041 | 173125 | 32,00 | 44,00 | 11,50 |
| TSE 2042 | 173141/1 | 36,00 | 44,00 | 6,50 |
| TSE 2042/1 | 177102 | 26,00 | 45,00 | 6,50 |
| TSE 2043 | 177118/1 | 30,00 | 45,00 | 9,00 |
| TSE 2044 | 177125 | 32,00 | 45,00 | 10,00 |
| TSE 2045 | 177137/2 | 35,00 | 45,00 | 13,50 |
| TSE 2045/1 | 177137/3 | 35,00 | 45,00 | 10,50 |
| TSE 2046 | 177137/5 | 35,00 | 45,00 | 8,00 |
| TSE 2047 | 181141 | 36,00 | 46,00 | 8,50 |
| TSE 2048 | 188141 | 36,00 | 48,00 | 9,50 |
| TSE 2048/1 | 188141/1 | 36,00 | 48,00 | 11,00 |
| TSE 2049 | 188157 | 40,00 | 48,00 | 6,50 |
| TSE 2049/1 | 188157/1 | 40,00 | 48,00 | 9,00 |
| TSE 2050 | 196118 | 30,00 | 50,00 | 14,50 |
| TSE 2051 | 196137 | 35,00 | 50,00 | 11,50 |
| TSE 2052 | 196149 | 38,00 | 50,00 | 9,50 |
| TSE 2053 | 196157/3 | 40,00 | 50,00 | 8,00 |
| TSE 2054 | 196157/1 | 40,00 | 50,00 | 10,00 |
| TSE 2055 | 196157 | 40,00 | 50,00 | 11,00 |
| TSE 2056 | 196157/2 | 40,00 | 50,00 | 13,50 |
| TSE 2056/1 | 204157 | 40,00 | 52,00 | 11,50 |

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TECNOTEX

Juntas de VÁSTAGO
ROD seals

# TSE
# TSE/AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TSE 2057 | 196165 | 42,00 | 50,00 | 6,50 |
| TSE 2057/1 | 224165 | 42,00 | 57,00 | 10,50 |
| TSE 2058 | 200137/2 | 34,92 | 50,80 | 11,60 |
| TSE 2059 | 200148 | 37,72 | 50,80 | 9,00 |
| TSE 2060 | 204177 | 45,00 | 52,00 | 10,50 |
| TSE 2061 | 208169 | 43,00 | 53,00 | 9,00 |
| TSE 2062 | 208177 | 45,00 | 53,00 | 6,50 |
| TSE 2062/1 | 208177/1 | 45,00 | 53,00 | 11,00 |
| TSE 2063 | 216157 | 40,00 | 55,00 | 7,50 |
| TSE 2064 | 216157/1 | 40,00 | 55,00 | 11,00 |
| TSE 2064/1 | 216157/2 | 40,00 | 55,00 | 10,50 |
| TSE 2065 | 216177 | 45,00 | 55,00 | 8,00 |
| TSE 2066 | 216177/1 | 45,00 | 55,00 | 11,00 |
| TSE 2067 | 212181 | 46,00 | 54,00 | 8,00 |
| TSE 2068 | 220181 | 46,00 | 56,00 | 8,00 |
| TSE 2069 | 228196 | 50,00 | 58,00 | 12,50 |
| TSE 2069/1 | 228195/1 | 50,00 | 58,00 | 8,50 |
| TSE 2070 | 236157 | 40,00 | 60,00 | 14,50 |
| TSE 2071 | 236177 | 45,00 | 60,00 | 10,50 |
| TSE 2072 | 236188 | 48,00 | 60,00 | 7,00 |
| TSE 2073 | 236196 | 50,00 | 60,00 | 8,00 |
| TSE 2074 | 236196/1 | 50,00 | 60,00 | 10,00 |
| TSE 2075 | 237175 | 44,45 | 60,32 | 11,60 |
| TSE 2076 | 244196/1 | 50,00 | 62,00 | 9,50 |
| TSE 2077 | 248177 | 45,00 | 63,00 | 11,00 |
| TSE 2078 | 250212 | 53,92 | 63,50 | 7,00 |
| TSE 2079 | 255177 | 45,00 | 65,00 | 14,50 |
| TSE 2080 | 255196 | 50,00 | 65,00 | 11,00 |
| TSE 2080/1 | 255196/1 | 50,00 | 65,00 | 13,00 |
| TSE 2081 | 255216 | 55,00 | 65,00 | 11,00 |
| TSE 2082 | 255216/1 | 55,00 | 65,00 | 8,00 |
| TSE 2083 | 259212 | 54,00 | 66,00 | 9,50 |
| TSE 2084 | 259220 | 56,00 | 66,00 | 8,00 |
| TSE 2085 | 262200 | 50,80 | 66,67 | 11,50 |
| TSE 2086 | 263224 | 57,00 | 67,00 | 8,00 |
| TSE 2087 | 267236 | 60,00 | 68,00 | 12,50 |
| TSE 2088 | 271240 | 61,00 | 69,00 | 8,50 |
| TSE 2089 | 273236 | 60,00 | 69,50 | 7,00 |
| TSE 2090 | 275225 | 57,15 | 69,85 | 10,00 |
| TSE 2091 | 275196 | 50,00 | 70,00 | 14,50 |
| TSE 2092 | 275216 | 55,00 | 70,00 | 10,50 |
| TSE 2093 | 275236 | 60,00 | 70,00 | 8,00 |
| TSE 2093/1 | 275236/1 | 60,00 | 70,00 | 10,00 |
| TSE 2094 | 275236/2 | 60,00 | 70,00 | 13,00 |
| TSE 2094/1 | 275236/3 | 60,00 | 70,00 | 11,00 |
| TSE 2095 | 279220 | 56,00 | 71,00 | 11,50 |
| TSE 2095/1 | 279220/1 | 56,00 | 71,00 | 12,50 |
| TSE 2096 | 283236 | 60,00 | 72,00 | 10,00 |
| TSE 2097 | 295216 | 55,00 | 75,00 | 14,50 |
| TSE 2098 | 295236 | 60,00 | 75,00 | 13,00 |
| TSE 2099 | 295248 | 63,00 | 75,00 | 11,00 |
| TSE 2100 | 295255 | 65,00 | 75,00 | 13,50 |

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TECNOTEX

Juntas de VÁSTAGO
ROD seals

# TSE
# TSE/AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TSE 2100/1 | 295255/1 | 65,00 | 75,00 | 8,50 |
| TSE 2101 | 299220 | 56,00 | 76,00 | 14,50 |
| TSE 2101/1 | 300225 | 57,15 | 76,20 | 10,00 |
| TSE 2102 | 303255 | 65,00 | 77,00 | 9,60 |
| TSE 2103 | 314236 | 60,00 | 80,00 | 14,00 |
| TSE 2104 | 314255 | 65,00 | 80,00 | 11,50 |
| TSE 2105 | 314255/2 | 65,00 | 80,00 | 12,50 |
| TSE 2105/1 | 337262 | 66,67 | 85,72 | 14,80 |
| TSE 2106 | 312267 | 68,00 | 79,40 | 10,00 |
| TSE 2107 | 314275 | 70,00 | 80,00 | 13,00 |
| TSE 2108 | 314275/1 | 70,00 | 80,00 | 8,00 |
| TSE 2109 | 322275/1 | 70,00 | 82,00 | 9,60 |
| TSE 2110 | 326248 | 63,00 | 83,00 | 14,50 |
| TSE 2111 | 330275 | 70,00 | 84,00 | 12,50 |
| TSE 2112 | 330283 | 72,00 | 84,00 | 6,00 |
| TSE 2113 | 330299 | 76,00 | 84,00 | 8,50 |
| TSE 2114 | 334255 | 65,00 | 85,00 | 14,50 |
| TSE 2115 | 334275/1 | 70,00 | 85,00 | 12,00 |
| TSE 2116 | 334295/1 | 75,00 | 85,00 | 8,00 |
| TSE 2117 | 334295/2 | 75,00 | 85,00 | 11,00 |
| TSE 2118 | 342295 | 75,00 | 87,00 | 10,00 |
| TSE 2119 | 342303 | 77,00 | 87,00 | 8,00 |
| TSE 2120 | 354275 | 70,00 | 90,00 | 14,50 |
| TSE 2121 | 354295 | 75,00 | 90,00 | 11,50 |
| TSE 2121/1 | 356295 | 75,50 | 90,00 | 14,00 |
| TSE 2122 | 354307 | 78,00 | 90,00 | 12,00 |
| TSE 2123 | 354314 | 80,00 | 90,00 | 8,00 |
| TSE 2124 | 354314/1 | 80,00 | 90,00 | 11,00 |
| TSE 2125 | 354314/2 | 80,00 | 90,00 | 13,00 |
| TSE 2125/1 | 358314 | 80,00 | 91,00 | 10,50 |
| TSE 2126 | 362314 | 80,00 | 92,00 | 9,60 |
| TSE 2127 | 370330 | 84,00 | 94,00 | 8,00 |
| TSE 2127/1 | 374314 | 80,00 | 95,00 | 12,00 |
| TSE 2128 | 374295 | 75,00 | 95,00 | 14,50 |
| TSE 2129 | 374334 | 85,00 | 95,00 | 8,00 |
| TSE 2130 | 377314 | 80,00 | 96,00 | 10,50 |
| TSE 2131 | 381334 | 85,00 | 97,00 | 9,60 |
| TSE 2132 | 389358 | 91,00 | 99,00 | 8,50 |
| TSE 2133 | 393314/1 | 80,00 | 100,00 | 12,00 |
| TSE 2134 | 393314 | 80,00 | 100,00 | 14,50 |
| TSE 2135 | 393334 | 85,00 | 100,00 | 12,00 |
| TSE 2136 | 393354 | 90,00 | 100,00 | 10,50 |
| TSE 2137 | 401354 | 90,00 | 102,00 | 9,60 |
| TSE 2138 | 412337 | 85,72 | 104,77 | 14,80 |
| TSE 2138/1 | 413334/1 | 85,00 | 105,00 | 14,00 |
| TSE 2139 | 413334 | 85,00 | 105,00 | 14,80 |
| TSE 2140 | 413377 | 96,00 | 105,00 | 11,50 |
| TSE 2141 | 413354 | 90,00 | 105,00 | 9,50 |
| TSE 2142 | 413354/1 | 90,00 | 105,00 | 12,50 |
| TSE 2142/1 | 413354/2 | 90,50 | 105,00 | 14,00 |
| TSE 2143 | 413374 | 95,00 | 105,00 | 11,00 |
| TSE 2144 | 418354 | 90,00 | 106,20 | 10,80 |

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TECNOTEX

Juntas de VÁSTAGO
ROD seals

# TSE
# TSE/AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TSE 2145 | 421374 | 95,00 | 107,00 | 12,50 |
| TSE 2146 | 423385 | 98,00 | 107,50 | 7,00 |
| TSE 2147 | 425350 | 88,90 | 107,95 | 12,70 |
| TSE 2148 | 433354 | 90,00 | 110,00 | 12,50 |
| TSE 2149 | 433354/1 | 90,00 | 110,00 | 14,50 |
| TSE 2149/2 | 433374 | 95,00 | 110,00 | 13,00 |
| TSE 2149/1 | 441374 | 95,00 | 112,00 | 12,00 |
| TSE 2150 | 444393 | 100,00 | 113,00 | 13,50 |
| TSE 2151 | 450350/2 | 88,90 | 114,30 | 19,50 |
| TSE 2152 | 450375 | 95,25 | 114,30 | 13,50 |
| TSE 2153 | 452393/1 | 100,00 | 115,00 | 11,50 |
| TSE 2153/1 | 452393 | 100,00 | 115,00 | 12,50 |
| TSE 2154 | 452413 | 105,00 | 115,00 | 11,00 |
| TSE 2154/1 | 452413/1 | 105,00 | 115,00 | 8,00 |
| TSE 2155 | 472393/1 | 100,00 | 120,00 | 12,00 |
| TSE 2156 | 472393 | 100,00 | 120,00 | 14,50 |
| TSE 2157 | 472409 | 104,00 | 120,00 | 11,20 |
| TSE 2158 | 472413 | 105,00 | 120,00 | 12,00 |
| TSE 2159 | 492413 | 105,00 | 125,00 | 12,50 |
| TSE 2159/1 | 492413/1 | 105,00 | 125,00 | 14,50 |
| TSE 2159/2 | 457417 | 106,00 | 116,00 | 8,00 |
| TSE 2160 | 492433 | 110,00 | 125,00 | 12,00 |
| TSE 2161 | 492393 | 100,00 | 125,00 | 13,30 |
| TSE 2162 | 492452 | 115,00 | 125,00 | 8,00 |
| TSE 2163 | 511433 | 110,00 | 130,00 | 12,50 |
| TSE 2164 | 511433/1 | 110,00 | 130,00 | 14,50 |
| TSE 2164/1 | 522433 | 110,00 | 132,00 | 14,00 |
| TSE 2165 | 511452 | 115,00 | 130,00 | 12,50 |
| TSE 2166 | 511464 | 118,00 | 130,00 | 12,50 |
| TSE 2167 | 522472 | 120,00 | 132,70 | 10,00 |
| TSE 2168 | 525425 | 107,95 | 133,35 | 19,50 |
| TSE 2169 | 531433 | 110,00 | 135,00 | 15,50 |
| TSE 2169/1 | 551433 | 110,00 | 140,00 | 15,50 |
| TSE 2170 | 531472 | 120,00 | 135,00 | 12,50 |
| TSE 2170/1 | 535496 | 126,00 | 136,00 | 8,00 |
| TSE 2171 | 550450 | 114,30 | 139,70 | 19,50 |
| TSE 2172 | 551472 | 120,00 | 140,00 | 12,50 |
| TSE 2173 | 551472/1 | 120,00 | 140,00 | 14,50 |
| TSE 2174 | 551492 | 125,00 | 140,00 | 12,50 |
| TSE 2175 | 551511 | 130,00 | 140,00 | 8,00 |
| TSE 2175/1 | 570472/1 | 120,00 | 145,00 | 12,00 |
| TSE 2176 | 570472 | 120,00 | 145,00 | 18,80 |
| TSE 2177 | 570492 | 125,00 | 145,00 | 16,00 |
| TSE 2177/1 | 535496 | 126,00 | 136,00 | 8,00 |
| TSE 2178 | 570511 | 130,00 | 145,00 | 15,00 |
| TSE 2178/1 | 570511/1 | 130,00 | 145,00 | 12,50 |
| TSE 2179 | 590492 | 125,00 | 150,00 | 14,50 |
| TSE 2180 | 590511 | 130,00 | 150,00 | 16,00 |
| TSE 2181 | 590511/1 | 130,00 | 150,00 | 14,50 |
| TSE 2182 | 590551 | 140,00 | 150,00 | 11,00 |
| TSE 2183 | 610511 | 130,00 | 155,00 | 18,80 |
| TSE 2184 | 610551 | 140,00 | 155,00 | 13,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de VÁSTAGO
ROD seals

# TSE
# TSE/AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TSE 2185 | 620570 | 145,00 | 157,70 | 10,00 |
| TSE 2186 | 629551 | 140,00 | 160,00 | 12,50 |
| TSE 2187 | 629551/A | 140,00 | 160,00 | 16,00 |
| TSE 2188 | 629551/1 | 140,00 | 160,00 | 14,50 |
| TSE 2189 | 649590 | 150,00 | 165,00 | 13,00 |
| TSE 2190 | 669590 | 150,00 | 170,00 | 14,50 |
| TSE 2190/1 | 700624 | 158,50 | 178,00 | 13,00 |
| TSE 2191 | 669590/A | 150,00 | 170,00 | 16,00 |
| TSE 2192 | 669610 | 155,00 | 170,00 | 9,50 |
| TSE 2193 | 688590 | 150,00 | 175,00 | 18,00 |
| TSE 2194 | 688629 | 160,00 | 175,00 | 16,00 |
| TSE 2195 | 700650 | 165,10 | 177,80 | 10,00 |
| TSE 2196 | 708590 | 150,00 | 180,00 | 14,00 |
| TSE 2197 | 708629 | 160,00 | 180,00 | 14,00 |
| TSE 2197/1 | 708629/1 | 160,00 | 180,00 | 13,50 |
| TSE 2198 | 708629/2 | 160,00 | 180,00 | 16,00 |
| TSE 2198/1 | 767649 | 165,00 | 195,00 | 20,00 |
| TSE 2199 | 719669 | 170,00 | 182,70 | 10,00 |
| TSE 2199/1 | 729629 | 160,00 | 185,00 | 16,00 |
| TSE 2200 | 787669 | 170,00 | 200,00 | 23,50 |
| TSE 2201 | 787708 | 180,00 | 200,00 | 14,50 |
| TSE 2202 | 787708/1 | 180,00 | 200,00 | 16,00 |
| TSE 2202/1 | 800740 | 188,00 | 203,00 | 12,20 |
| TSE 2203 | 800740 | 188,00 | 203,00 | 13,00 |
| TSE 2204 | 800700 | 177,80 | 203,20 | 22,70 |
| TSE 2205 | 819779 | 198,00 | 208,00 | 12,00 |
| TSE 2205/1 | 821771 | 196,00 | 208,70 | 10,50 |
| TSE 2206 | 826708/1 | 180,00 | 210,00 | 20,50 |
| TSE 2207 | 826748 | 190,00 | 210,00 | 14,50 |
| TSE 2208 | 850725 | 184,15 | 215,90 | 20,00 |
| TSE 2208/1 | 846768 | 195,00 | 215,00 | 14,50 |
| TSE 2209 | 866787 | 200,00 | 220,00 | 14,50 |
| TSE 2210 | 866787/A | 200,00 | 220,00 | 16,00 |
| TSE 2211 | 900775 | 196,85 | 228,60 | 25,80 |
| TSE 2212 | 901842 | 214,00 | 229,00 | 13,00 |
| TSE 2213 | 905787 | 200,00 | 230,00 | 20,50 |
| TSE 2213/1 | 931881 | 224,00 | 236,70 | 9,50 |
| TSE 2214 | 944826 | 210,00 | 240,00 | 22,50 |
| TSE 2215 | 984866 | 220,00 | 250,00 | 20,50 |
| TSE 2216 | 1003885 | 225,00 | 255,00 | 22,50 |
| TSE 2217 | 1015937 | 238,00 | 258,00 | 15,50 |
| TSE 2217/1 | 1100975 | 247,65 | 279,40 | 25,80 |
| TSE 2218 | 1024905 | 230,00 | 260,00 | 19,50 |
| TSE 2219 | 1054937 | 238,00 | 268,00 | 21,00 |
| TSE 2220 | 1122984 | 250,00 | 285,00 | 16,50 |
| TSE 2221 | 1141984 | 250,00 | 290,00 | 25,50 |
| TSE 2222 | 11411024 | 260,00 | 290,00 | 20,00 |
| TSE 2223 | 12201141 | 290,00 | 310,00 | 15,00 |
| TSE 2224 | 12591102 | 280,00 | 320,00 | 22,50 |
| TSE 2225 | 12591141 | 290,00 | 320,00 | 20,50 |
| TSE 2225/1 | 12751150 | 292,10 | 323,85 | 25,80 |
| TSE 2226 | 12991220 | 310,00 | 330,00 | 16,50 |



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TECNOTEX

Juntas de VÁSTAGO
ROD seals

# TSE
# TSE/AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TSE 2226/1 | 13001175 | 298,45 | 330,20 | 25,80 |
| TSE 2227 | 14171259 | 320,00 | 360,00 | 25,50 |
| TSE 2228 | 15151377 | 350,00 | 385,00 | 25,50 |
| TSE 2229 | 15741417 | 360,00 | 400,00 | 33,80 |
| TSE 2230 | 16501500 | 381,00 | 419,10 | 38,80 |
| TSE 2231 | 16721574 | 400,00 | 425,00 | 19,00 |
| TSE 2232 | 20081843 | 470,00 | 510,00 | 25,00 |
| TSE 2233 | 21251968 | 500,00 | 540,00 | 38,00 |
| TSE 2234 | 22432086 | 530,00 | 570,00 | 25,00 |
| TSE 2235 | 22832105 | 535,00 | 580,00 | 40,00 |
| TSE 2236 | 22832125 | 540,00 | 580,00 | 38,50 |
| TSE 2237 | 24002200 | 558,80 | 609,60 | 45,50 |
| TSE 2238 | 24012243 | 570,00 | 610,00 | 25,00 |
| TSE 2239 | 24802322 | 590,00 | 630,00 | 43,00 |
| TSE 2240 | 25902631 | 578,00 | 630,00 | 60,00 |
| TSE 2241 | 26762519 | 640,00 | 680,00 | 25,00 |
| TSE 2242 | 27162558 | 650,00 | 690,00 | 25,00 |
| TSE 2243 | 27312736 | 695,00 | 745,00 | 30,00 |
| TSE 2244 | 29582762 | 702,00 | 752,00 | 30,00 |
| TSE 2245 | 32282992 | 760,00 | 820,00 | 35,00 |
| TSE 2245/1 | 33273090 | 785,00 | 845,00 | 35,00 |
| TSE 2246 | 35633327 | 845,00 | 905,00 | 35,00 |
| TSE 2247 | 38583626 | 921,00 | 980,00 | 35,00 |
| TSE 2248 | 47444468 | 1135,00 | 1205,00 | 47,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*


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# TGO

**Juntas** de VÁSTAGO
**ROD seals**

TECNOTEX

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| Versión standar | *Standard version* |
|---|---|
| Goma-lona | *NBR/Cotton Fabric* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| Goma-lona FKM | *NBR/Cotton Fabric FKM* |

| **Presión hasta / *Pressure up to*** |
|---|
| 25 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -30°C +110°C | -20°C +200°C FKM |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindro hidraúlico para agricultura<br>Cilindro para industria ligera | *Agricultural cylinders*<br>*Light duty Industrial cylinders* |

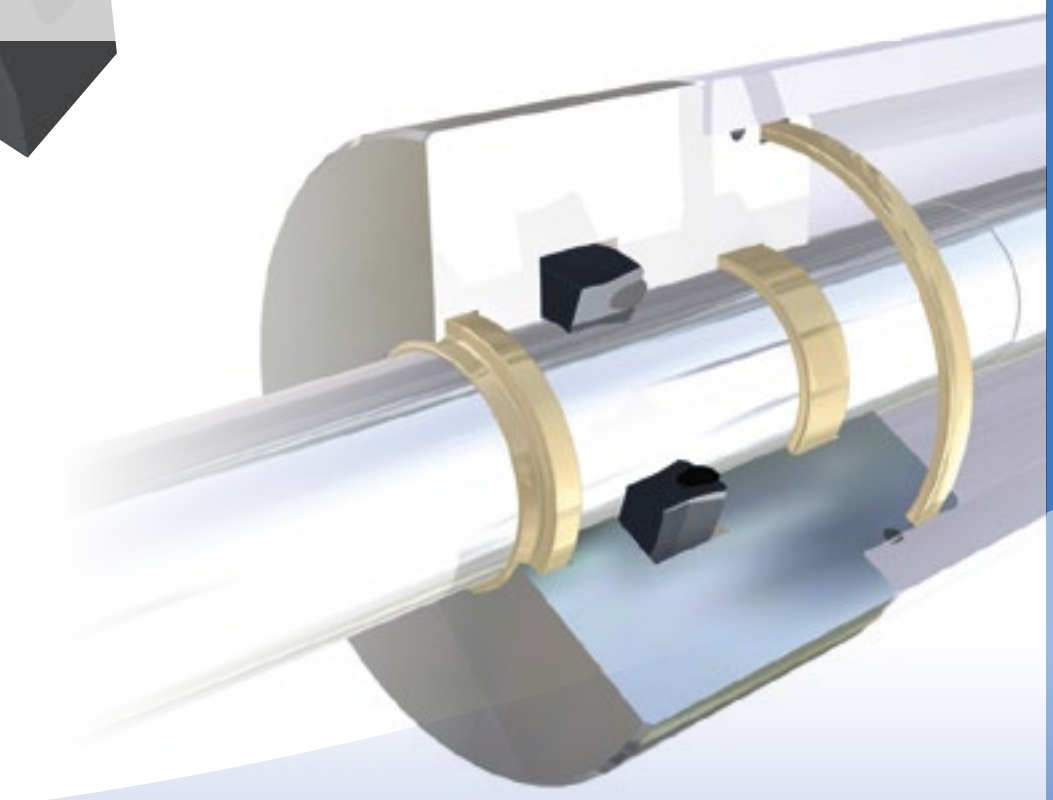


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TGO



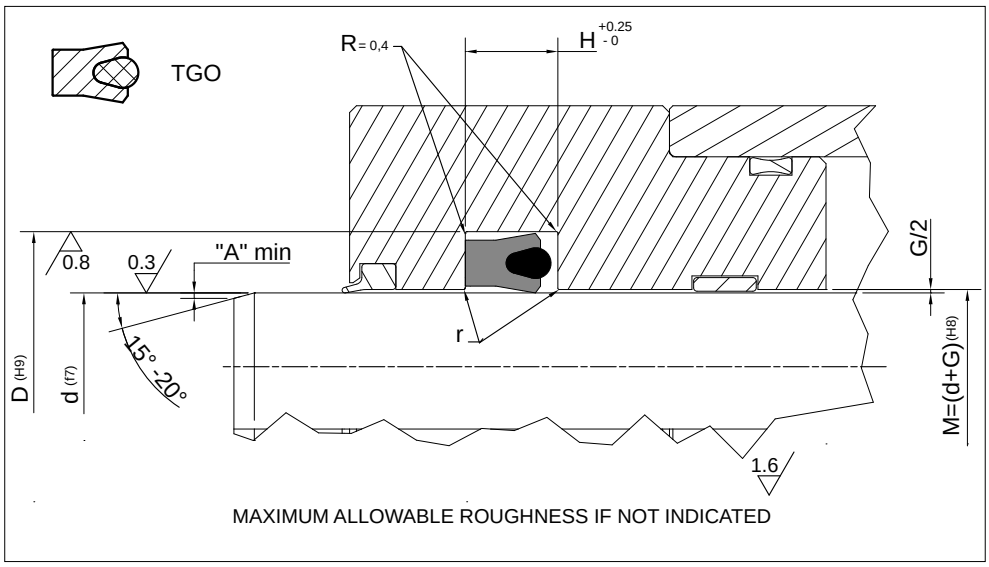
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Juntas de VÁSTAGO
ROD seals

# TGO






**Rod Seal design guidelines**

| | 0mm < d ≤ 50mm | 50mm < d ≤ 100mm | 100mm < d ≤ 150mm | d ≥ 150mm |
|---|---|---|---|---|
| r | remove sharp edges | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | Operating pressure to determinate Maximum Gap Allowance: G/2 | | |
|---|---|---|---|
| | Profile Dimension | > 16 MPa | > 25 MPa |
| G | ≤ 5 | 0.50 mm | 0.40 mm |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm |
| | 15 | 0.65 mm | 0.55 mm |

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| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TGO 2501 | 047019 | 5,00 | 12,00 | 6,40 |
| TGO 2502 | 051023 | 6,00 | 13,00 | 6,40 |
| TGO 2503 | 059031 | 8,00 | 15,00 | 6,40 |
| TGO 2504 | 066039 | 10,00 | 17,00 | 6,40 |
| TGO 2504/1 | 066039/S1 | 10,00 | 18,00 | 6,50 |
| TGO 2504/2 | 066039/S2 | 10,00 | 18,00 | 8,50 |
| TGO 2505 | 074047 | 12,00 | 19,00 | 6,40 |
| **TGO 2506** | **086055** | 14,00 | 22,00 | 6,40 |
| **TGO 2507** | **090059** | 15,00 | 23,00 | 6,40 |
| **TGO 2508** | **094063** | 16,00 | 24,00 | 6,40 |
| **TGO 2509** | **102070** | 18,00 | 26,00 | 6,40 |
| **TGO 2510** | **110078** | 20,00 | 28,00 | 6,40 |
| **TGO 2511** | **118086** | 22,00 | 30,00 | 6,40 |
| **TGO 2511/1** | **125094** | 24,00 | 32,00 | 5,00 |
| **TGO 2512** | **129098** | 25,00 | 33,00 | 6,40 |
| **TGO 2513** | **141110** | 28,00 | 36,00 | 6,40 |
| **TGO 2514** | **149118** | 30,00 | 38,00 | 6,40 |
| **TGO 2515** | **157125** | 32,00 | 40,00 | 6,40 |
| **TGO 2516** | **169137** | 35,00 | 43,00 | 6,40 |
| **TGO 2516/1** | **169137/S1** | 35,00 | 43,00 | 8,50 |
| **TGO 2517** | **173141** | 36,00 | 44,00 | 6,40 |
| **TGO 2518** | **188157** | 40,00 | 48,00 | 6,40 |
| **TGO 2519** | **196165** | 42,00 | 50,00 | 6,40 |
| **TGO 2519/1** | **208177** | 45,00 | 53,00 | 8,50 |
| **TGO 2520** | **216177** | 45,00 | 55,00 | 8,00 |
| **TGO 2521** | **236196** | 50,00 | 60,00 | 8,00 |
| **TGO 2521/1** | **244196** | 50,00 | 62,00 | 9,60 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de VÁSTAGO
ROD seals

# TGO

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TGO 2521/2 | 248216 | 55,00 | 63,00 | 8,50 |
| TGO 2522 | 255216 | 55,00 | 65,00 | 8,00 |
| TGO 2522/1 | 255216/S1 | 55,00 | 65,00 | 13,50 |
| TGO 2523 | 250220 | 56,00 | 66,00 | 8,00 |
| TGO 2524 | 275236 | 60,00 | 70,00 | 8,00 |
| TGO 2525 | 295248 | 63,00 | 75,00 | 9,60 |
| TGO 2525/1 | 287255 | 65,00 | 73,00 | 8,50 |
| TGO 2526 | 303255 | 65,00 | 77,00 | 9,60 |
| TGO 2527 | 322275 | 70,00 | 82,00 | 9,60 |
| TGO 2528 | 342295 | 75,00 | 87,00 | 9,60 |
| TGO 2529 | 362314 | 80,00 | 92,00 | 9,60 |
| TGO 2530 | 381334 | 85,00 | 97,00 | 9,60 |
| TGO 2531 | 401354 | 90,00 | 102,00 | 9,60 |
| TGO 2531/1 | 425393 | 100,00 | 108,00 | 12,50 |
| TGO 2532 | 452393 | 100,00 | 115,00 | 12,00 |
| TGO 2532/1 | 444413 | 105,00 | 113,00 | 6,50 |
| TGO 2533 | 492433 | 110,00 | 125,00 | 12,00 |
| TGO 2534 | 511452 | 115,00 | 130,00 | 12,00 |
| TGO 2535 | 551492 | 125,00 | 140,00 | 12,00 |
| TGO 2535/1 | 570511 | 130,00 | 145,00 | 11,50 |
| TGO 2536 | 629551 | 140,00 | 160,00 | 16,00 |
| TGO 2537 | 669590 | 150,00 | 170,00 | 16,00 |
| TGO 2538 | 708629 | 160,00 | 180,00 | 16,00 |
| TGO 2539 | 787708 | 180,00 | 200,00 | 16,00 |
| TGO 2540 | 866787 | 200,00 | 220,00 | 16,00 |

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# GT/5
# GT/7

**Juntas** de VÁSTAGO
ROD **seals**

TECNOTEX



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| Versión standar | *Standard version* |
|---|---|
| Base TPE<br>V-Ring NBR+V-Ring Goma-lona<br>Anillo de tapa en POM | *Base Ring TPE*<br>*V-Ring NBR + V-Ring NBR/Cotton Fabric*<br>*Header Ring POM* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| GT FKM<br>GT Base Al<br>GT Todo Tejido | *GT FKM*<br>*GT Base Ring Al*<br>*All Cotton Fabric GT* |

| **Presión hasta / *Pressure up to*** | |
|---|---|
| 40 MPa GT | 60 MPa GT/Al |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -30°C +110°C | -20°C +200°C FKM |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Prensas<br>Siderurgia<br>Acería<br>Cizallas | *Presses*<br>*Steel Mills*<br>*Continuous Casting*<br>*Scrape Shears* |



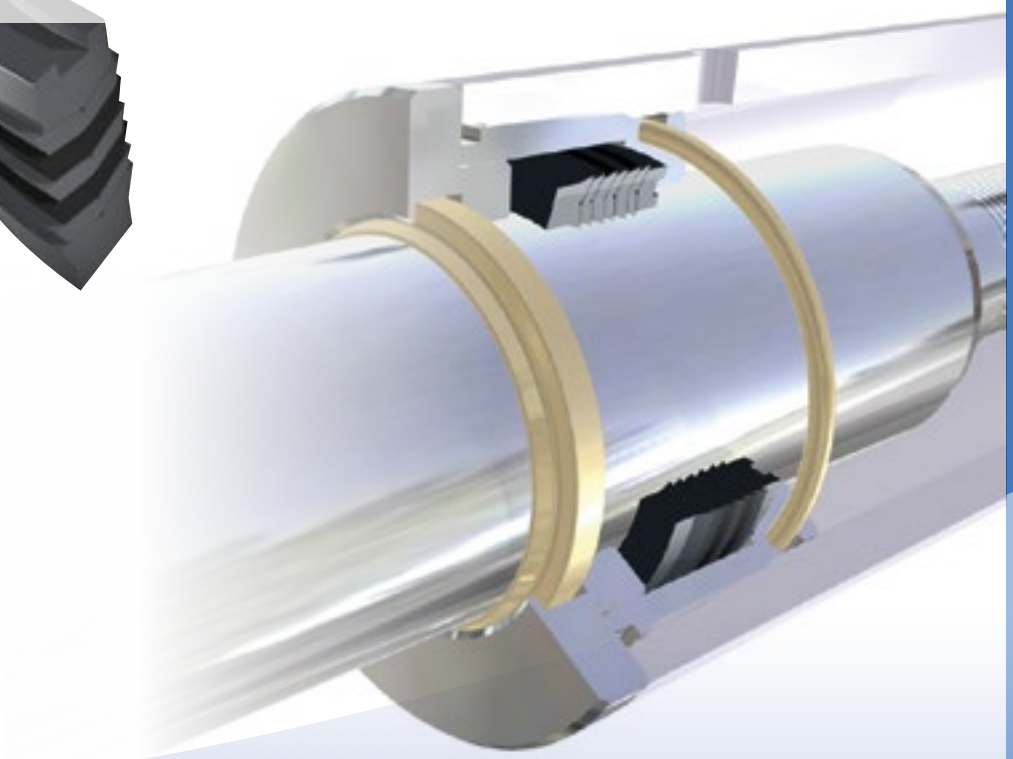
Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GT/5 • GT/7





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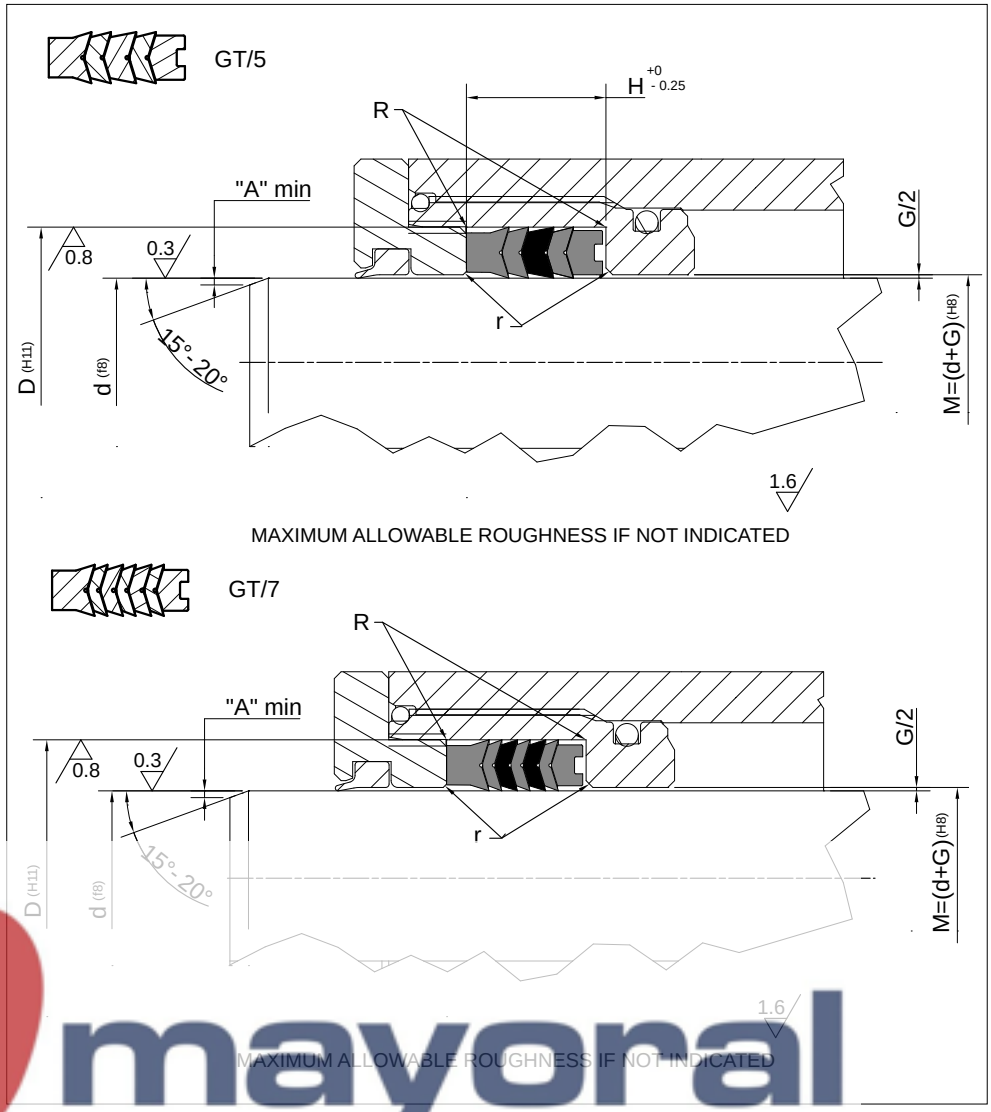
TECNOTEX

Juntas de VÁSTAGO
ROD seals

# GT/5
# GT/7








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**Rod Seal design guidelines**

| | | |
|---|---|---|
| R | Limit set < 50mm<br>max 0.40 mm | 50mm ≤ d < 150mm<br>max 0.80 mm |
| r | remove sharp edges | |
| A | 1 mm | 2 mm |

| G | Operating pressure to determinate Maximum Gap Allowance: G/2 | | | | |
|---|---|---|---|---|---|
| | **Profile Dimension** | **> 16 MPa** | **> 26 MPa** | **> 32 MPa** | **> 40 MPa** |
| | ≤ 5 | 0.50 mm | 0.40 mm | 0.35 mm | |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm | 0.40 mm | 0.35 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm | 0.45 mm | 0.40 mm |
| | 15 | 0.65 mm | 0.55 mm | 0.45 mm | 0.40 mm |

| PART NR GT5 | PART NR GT7 | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|---|
| | | | D | d | H |
| | **7001** | **070031** | 18,00 | 8,00 | 18,50 |
| **5003** | | **078039** | 20,00 | 10,00 | 11,00 |
| | **7002** | **078039** | 20,00 | 10,00 | 18,50 |
| | **7003** | **086047** | 22,00 | 12,00 | 18,50 |
| | **7004** | **094055** | 24,00 | 14,00 | 18,50 |
| **5004** | | **098047** | 25,00 | 12,00 | 14,35 |
| | **7005** | **098059** | 25,00 | 14,00 | 18,50 |
| | **7006** | **102062** | 26,00 | 16,00 | 18,50 |
| | **7007** | **110070** | 28,00 | 18,00 | 18,50 |
| **5006** | | **114062** | 29,00 | 16,00 | 14,35 |
| | **7008** | **118078** | 30,00 | 20,00 | 18,50 |
| **5007** | | **118078** | 30,00 | 20,00 | 21,50 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

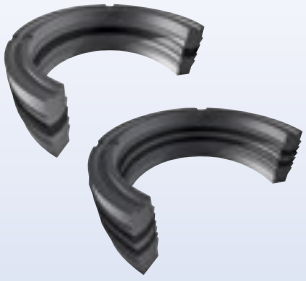
TECNOTEX

Juntas de VÁSTAGO
ROD seals

# GT/5
# GT/7

| PART NR GT5 | PART NR GT7 | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|---|
| | | | D | d | H |
| 5008 | | 122070 | 31,00 | 18,00 | 14,32 |
| 5009 | | 124078 | 31,50 | 20,00 | 17,50 |
| 5009/2 | | 125070 | 32,00 | 18,00 | 22,50 |
| 5009/1 | | 125078 | 32,00 | 20,00 | 17,50 |
| | 7009 | 125078 | 32,00 | 20,00 | 22,50 |
| 5010 | | 125086 | 32,00 | 22,00 | 18,15 |
| | 7010 | 125086 | 32,00 | 22,00 | 18,50 |
| 5011 | | 129078 | 33,00 | 20,00 | 14,35 |
| | 7011 | 133086 | 34,00 | 22,00 | 22,50 |
| 5012 | | 137098 | 35,00 | 25,00 | 17,30 |
| 5013 | | 141078 | 36,00 | 20,00 | 24,00 |
| | 7012 | 145098 | 37,00 | 25,00 | 22,50 |
| 5014 | | 149086/AI | 38,00 | 22,00 | 26,00 |
| 5015 | | 157098 | 40,00 | 25,00 | 19,85 |
| 5016 | | 157118 | 40,00 | 30,00 | 21,80 |
| | 7013 | 157098 | 40,00 | 25,00 | 22,50 |
| 5016/1 | | 157110 | 40,00 | 28,00 | 17,00 |
| | 7014 | 157110 | 40,00 | 28,00 | 22,50 |
| | 7015 | 165118 | 42,00 | 30,00 | 22,50 |
| 5017 | | 165098 | 42,00 | 25,00 | 25,40 |
| 5017/1 | | 165118 | 42,00 | 30,00 | 20,00 |
| 5018 | | 165125 | 42,00 | 32,00 | 17,30 |
| | 7016 | 169110 | 43,00 | 28,00 | 22,50 |
| 5019 | | 173110 | 44,00 | 28,00 | 17,65 |
| | 7017 | 173125 | 44,00 | 32,00 | 22,50 |
| 5019/1 | | 177098 | 45,00 | 25,00 | 25,40 |
| 5020 | | 177137 | 45,00 | 35,00 | 21,78 |
| 5020/1 | | 177118 | 45,00 | 30,00 | 22,20 |
| | 7018 | 177118 | 45,00 | 30,00 | 22,50 |
| 5021 | | 177137 | 45,00 | 35,00 | 27,40 |
| 5022 | | 184137 | 47,00 | 35,00 | 17,50 |
| | 7019 | 184125 | 47,00 | 32,00 | 22,50 |
| | 7020 | 184137 | 47,00 | 35,00 | 22,50 |
| | 7021 | 188141 | 48,00 | 36,00 | 22,50 |
| 5023 | | 196157 | 50,00 | 40,00 | 17,30 |
| 5024 | | 196137 | 50,00 | 35,00 | 22,50 |
| 5025 | | 196118 | 50,00 | 30,00 | 29,37 |
| 5025/1 | | 200137 | 50,80 | 34,92 | 24,21 |
| | 7022 | 200141 | 51,00 | 36,00 | 22,50 |
| 5026 | | 204141 | 52,00 | 36,00 | 17,60 |
| | 7023 | 204157 | 52,00 | 40,00 | 22,50 |
| | 7024 | 212165 | 54,00 | 42,00 | 22,50 |
| 5027 | | 216177 | 55,00 | 45,00 | 17,50 |
| | 7025 | 216157 | 55,00 | 40,00 | 22,50 |
| 5028 | | 216157 | 55,00 | 40,00 | 22,60 |
| 5029 | | 216153 | 55,00 | 39,00 | 25,40 |
| 5030 | | 216157 | 55,00 | 40,00 | 26,20 |
| 5031 | | 216149 | 55,00 | 38,00 | 28,00 |
| 5032 | | 220157 | 56,00 | 40,00 | 17,63 |
| | 7026 | 224165 | 57,00 | 42,00 | 22,50 |
| 5033 | | 236157 | 60,00 | 40,00 | 30,00 |
| | 7027 | 236177 | 60,00 | 45,00 | 22,50 |

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TECNOTEX

Juntas de VÁSTAGO
ROD seals

# GT/5
# GT/7





| PART NR GT5 | PART NR GT7 | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|---|
| | | | D | d | H |
| 5034 | | 236177 | 60,00 | 45,00 | 22,20 |
| 5035 | | 236188 | 60,00 | 48,00 | 25,00 |
| 5035/1 | | 240177 | 61,00 | 45,00 | 29,00 |
| 5036 | | 244188 | 62,00 | 48,00 | 22,22 |
| 5037 | | 255196 | 65,00 | 50,00 | 24,60 |
| | 7028 | 255196 | 65,00 | 50,00 | 22,50 |
| | 7028/1 | 255196 | 65,00 | 50,00 | 29,00 |
| | 7029 | 255177 | 65,00 | 45,00 | 27,50 |
| 5039 | | 255177 | 65,00 | 45,00 | 28,00 |
| 5040 | | 255157 | 65,00 | 40,00 | 35,75 |
| 5040/1 | | 255196 | 65,00 | 50,00 | 24,60 |
| 5041 | | 263216 | 67,00 | 55,00 | 25,00 |
| 5042 | | 271200 | 69,00 | 51,00 | 28,00 |
| 5043 | | 275196/B | 70,00 | 50,00 | 21,95 |
| 5044 | | 275216 | 70,00 | 55,00 | 26,50 |
| | 7030 | 275216 | 70,00 | 55,00 | 22,50 |
| 5045 | | 275196 | 70,00 | 50,00 | 30,00 |
| | 7031 | 275196 | 70,00 | 50,00 | 30,00 |
| | 7032 | 279220 | 71,00 | 56,00 | 22,50 |
| 5045/1 | | 283204 | 72,00 | 52,00 | 38,50 |
| | 7033 | 295216 | 75,00 | 55,00 | 30,00 |
| 5046 | | 295216 | 75,00 | 55,00 | 38,50 |
| 5046/1 | | 295236 | 75,00 | 60,00 | 19,00 |
| | 7034 | 295236 | 75,00 | 60,00 | 22,50 |
| 5047 | | 299220 | 76,00 | 56,00 | 21,94 |
| 5047/1 | | 299200 | 76,00 | 51,00 | 17,50 |
| | 7035 | 299220 | 76,00 | 56,00 | 37,00 |
| 5048 | | 299236 | 76,00 | 60,00 | 29,00 |
| | 7035/1 | 303255 | 77,00 | 65,00 | 22,50 |
| 5049 | | 303255 | 77,00 | 65,00 | 21,00 |
| 5050 | | 303236 | 77,00 | 60,00 | 27,00 |
| | 7036 | 307248 | 78,00 | 63,00 | 22,50 |
| | 7036/1 | 314255/Al | 80,00 | 65,00 | 29,00 |
| | 7037 | 314255 | 80,00 | 65,00 | 22,50 |
| 5050/1 | | 314255/Al | 80,00 | 65,00 | 26,00 |
| 5051 | | 314251 | 80,00 | 64,00 | 25,80 |
| 5051/1 | | 314236/Al | 80,00 | 60,00 | 22,00 |
| 5052 | | 314251 | 80,00 | 63,50 | 28,00 |
| 5053 | | 314236 | 80,00 | 60,00 | 32,15 |
| 5053/1 | | 314236 | 80,00 | 60,00 | 32,15 |
| 5053/2 | | 326248 | 83,00 | 63,00 | 21,94 |
| | 7037/1 | 314236 | 80,00 | 60,00 | 37,00 |
| | 7038 | 326248 | 83,00 | 63,00 | 37,00 |
| 5055 | | 334248 | 85,00 | 63,00 | 32,00 |
| 5056 | | 334255 | 85,00 | 65,00 | 29,00 |
| 5056/1 | | 334255/Al | 85,00 | 65,00 | 32,00 |
| | 7039 | 334255 | 85,00 | 65,00 | 41,00 |
| | 7040 | 334275 | 85,00 | 70,00 | 22,50 |
| 5057 | | 334275 | 85,00 | 70,00 | 28,00 |
| 5059 | | 354275/B | 90,00 | 70,00 | 22,00 |
| 5060 | | 354275 | 90,00 | 70,00 | 30,00 |
| | 7041 | 354275 | 90,00 | 70,00 | 41,00 |

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Suministros Industriales y Servicios

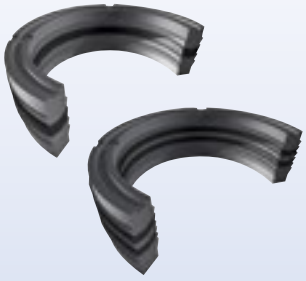
Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de VÁSTAGO
ROD seals

# GT/5
# GT/7

| PART NR GT5 | PART NR GT7 | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|---|
| | | | D | d | H |
| | 7042 | 354295 | 90,00 | 75,00 | 22,50 |
| 5061 | | 354295 | 90,00 | 75,00 | 22,50 |
| 5062 | | 374295 | 95,00 | 75,00 | 30,00 |
| | 7043 | 374295 | 95,00 | 75,00 | 41,00 |
| 5063 | | 374314 | 95,00 | 80,00 | 17,50 |
| | 7044 | 374314 | 95,00 | 80,00 | 22,50 |
| 5064 | | 393295 | 100,00 | 75,00 | 37,50 |
| 5065 | | 393314 | 100,00 | 80,00 | 30,00 |
| | 7045 | 393314 | 100,00 | 80,00 | 41,00 |
| | 7046 | 393334 | 100,00 | 85,00 | 22,50 |
| 5066 | | 413314 | 105,00 | 80,00 | 27,40 |
| 5067 | | 413334 | 105,00 | 85,00 | 30,00 |
| | 7047 | 413334 | 105,00 | 85,00 | 41,00 |
| | 7048 | 413354 | 105,00 | 90,00 | 22,50 |
| 5068 | | 413354 | 105,00 | 90,00 | 31,75 |
| 5069 | | 433354/1 | 110,00 | 90,00 | 25,00 |
| 5069/1 | | 433354/2 | 110,00 | 90,00 | 26,90 |
| 5069/2 | | 433354/3 | 110,00 | 90,00 | 30,00 |
| | 7049 | 433354 | 110,00 | 90,00 | 41,00 |
| 5070 | | 433374 | 110,00 | 95,00 | 24,00 |
| | 7049/1 | 433374 | 110,00 | 95,00 | 36,50 |
| 5070/1 | | 452334 | 115,00 | 85,00 | 40,00 |
| 5071 | | 452354 | 115,00 | 90,00 | 27,41 |
| 5071/1 | | 452374 | 115,00 | 95,00 | 32,15 |
| 5072 | | 452393 | 115,00 | 100,00 | 25,30 |
| | 7050 | 452393 | 115,00 | 100,00 | 30,00 |
| 5072/1 | | 472354 | 120,00 | 90,00 | 42,00 |
| 5073 | | 472393 | 120,00 | 100,00 | 28,00 |
| | 7051 | 472393 | 120,00 | 100,00 | 41,00 |
| 5074 | | 472413 | 120,00 | 105,00 | 29,80 |
| 5074/1 | | 492374 | 125,00 | 95,00 | 40,00 |
| 5075 | | 492393/B | 125,00 | 100,00 | 27,40 |
| 5076 | | 492393 | 125,00 | 100,00 | 36,90 |
| 5077 | | 492413 | 125,00 | 105,00 | 29,76 |
| | 7052 | 492433 | 125,00 | 110,00 | 30,00 |
| 5078 | | 511409 | 130,00 | 104,00 | 37,00 |
| 5078/1 | | 511433 | 130,00 | 110,00 | 30,00 |
| | 7053 | 511433 | 130,00 | 110,00 | 41,00 |
| 5079 | | 511448 | 130,00 | 114,00 | 25,80 |
| | 7054 | 511452 | 130,00 | 115,00 | 30,00 |
| 5080 | | 519433 | 132,00 | 110,00 | 36,50 |
| 5080/1 | | 523492 | 133,00 | 125,00 | 17,50 |
| 5080/2 | | 531433 | 135,00 | 110,00 | 41,50 |
| | 7055 | 551452 | 140,00 | 115,00 | 46,00 |
| 5082 | | 551452 | 140,00 | 115,00 | 37,12 |
| 5083 | | 551472 | 140,00 | 120,00 | 30,00 |
| | 7056 | 551492 | 140,00 | 125,00 | 34,00 |
| 5083/2 | | 570472 | 145,00 | 120,00 | 39,50 |
| 5083/1 | | 570492 | 145,00 | 125,00 | 29,60 |
| 5083/3 | | 570511 | 145,00 | 130,00 | 30,00 |
| 5084 | | 590472 | 150,00 | 120,00 | 44,00 |
| 5085 | | 590492 | 150,00 | 125,00 | 27,40 |



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Suministros Industriales y Servicios

TECNOTEX

Juntas de VÁSTAGO
ROD seals

# GT/5
# GT/7





| PART NR GT5 | PART NR GT7 | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|---|
| | | | D | d | H |
| | 7057 | 590492 | 150,00 | 125,00 | 46,00 |
| 5086 | | 590511 | 150,00 | 130,00 | 29,76 |
| 5086/1 | | 610492 | 155,00 | 125,00 | 41,00 |
| 5086/2 | | 610511 | 155,00 | 130,00 | 40,00 |
| 5087 | | 610531 | 155,00 | 135,00 | 30,55 |
| | 7058 | 610551 | 155,00 | 140,00 | 34,00 |
| 5088 | | 629551 | 160,00 | 140,00 | 28,50 |
| 5088/1 | | 629511 | 160,00 | 130,00 | 41,50 |
| 5089 | | 649551 | 165,00 | 140,00 | 41,95 |
| | 7059 | 649551 | 165,00 | 140,00 | 46,00 |
| 5090 | | 669551 | 170,00 | 140,00 | 39,00 |
| 5091 | | 669570 | 170,00 | 145,00 | 38,10 |
| 5092 | | 669590 | 170,00 | 150,00 | 30,55 |
| | 7060 | 669590 | 170,00 | 150,00 | 41,00 |
| 5092/1 | | 681622 | 173,00 | 158,00 | 25,00 |
| 5093 | | 681649 | 173,00 | 165,00 | 22,50 |
| 5093/1 | | 688606 | 175,00 | 154,00 | 29,44 |
| 5093/2 | | 688610 | 175,00 | 155,00 | 30,00 |
| 5093/3 | | 688629 | 175,00 | 160,00 | 26,00 |
| 5094 | | 708590 | 180,00 | 150,00 | 40,00 |
| | 7061 | 708590 | 180,00 | 150,00 | 60,00 |
| 5094/4 | | 708599 | 180,00 | 152,30 | 45,00 |
| 5094/2 | | 708614 | 180,00 | 156,00 | 60,00 |
| 5094/1 | | 708629 | 180,00 | 160,00 | 30,00 |
| | 7062 | 708629 | 180,00 | 160,00 | 40,00 |
| 5094/3 | | 708649 | 180,00 | 165,00 | 35,00 |
| 5095 | | 716618 | 182,00 | 157,00 | 30,25 |
| 5095/1 | | 728602 | 185,00 | 153,00 | 35,50 |
| 5095/3 | | 728610 | 185,00 | 155,00 | 47,00 |
| 5095/2 | | 728629 | 185,00 | 160,00 | 40,00 |
| 5096 | | 748629 | 190,00 | 160,00 | 33,00 |
| | 7063 | 748629 | 190,00 | 160,00 | 60,00 |
| 5096/1 | | 748649 | 190,00 | 165,00 | 34,00 |
| 5096/2 | | 767649 | 195,00 | 165,00 | 40,46 |
| 5097 | | 767669 | 195,00 | 170,00 | 37,50 |
| | 7064 | 787669 | 200,00 | 170,00 | 60,00 |
| 5098 | | 787688 | 200,00 | 175,00 | 42,00 |
| 5098/1 | | 787708 | 200,00 | 180,00 | 30,00 |
| | 7065 | 787708/1 | 200,00 | 180,00 | 41,00 |
| 5098/2 | | 787737 | 200,00 | 187,13 | 21,74 |
| 5098/3 | | 799759 | 203,00 | 193,00 | 23,00 |
| 5098/4 | | 807728 | 205,00 | 185,00 | 28,00 |
| 5099 | | 826708 | 210,00 | 180,00 | 33,00 |
| | 7066 | 826708 | 210,00 | 180,00 | 60,00 |
| 5099/1 | | 826728 | 210,00 | 185,00 | 24,00 |
| 5099/2 | | 846728 | 215,00 | 185,00 | 42,50 |
| 5099/3 | | 846748 | 215,00 | 190,00 | 36,00 |
| | 7067 | 866748 | 220,00 | 190,00 | 60,00 |
| | 7068 | 866787 | 220,00 | 200,00 | 41,00 |
| 5100 | | 866787 | 220,00 | 200,00 | 30,00 |
| 5100/1 | | 885767 | 225,00 | 195,00 | 49,00 |
| 5101 | | 885807 | 225,00 | 205,00 | 19,50 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

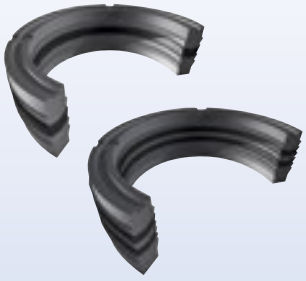
TECNOTEX

Juntas de VÁSTAGO
ROD seals

# GT/5
# GT/7

| PART NR GT5 | PART NR GT7 | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|---|
| | | | D | d | H |
| 5102 | | 905787 | 230,00 | 200,00 | 32,97 |
| | 7069 | 905787 | 230,00 | 200,00 | 60,00 |
| 5102/1 | | 944787 | 240,00 | 200,00 | 60,00 |
| 5102/2 | | 925800 | 234,95 | 203,20 | 57,20 |
| 5103 | | 944826 | 240,00 | 210,00 | 42,10 |
| 5103/1 | | 944866 | 240,00 | 220,00 | 30,00 |
| 5103/2 | | 964846 | 245,00 | 215,00 | 45,00 |
| | 7070 | 984866 | 250,00 | 220,00 | 60,00 |
| 5103/3 | | 984866 | 250,00 | 220,00 | 52,00 |
| 5104 | | 1000881 | 254,00 | 224,00 | 32,97 |
| 5104/1 | | 1000900 | 254,00 | 228,60 | 38,10 |
| 5104/2 | | 1003846 | 255,00 | 215,00 | 50,00 |
| 5104/3 | | 1003885 | 255,00 | 225,00 | 45,00 |
| 5104/4 | | 1024866 | 260,00 | 220,00 | 60,00 |
| 5104/5 | | 1024905 | 260,00 | 230,00 | 45,00 |
| | 7070/1 | 1024905 | 260,00 | 230,00 | 60,00 |
| 5104/6 | | 1024944 | 260,00 | 240,00 | 45,00 |
| 5104/7 | | 1062905 | 270,00 | 230,00 | 60,00 |
| 5105 | | 1062944 | 270,00 | 240,00 | 45,00 |
| | 7071 | 1062944 | 270,00 | 240,00 | 64,00 |
| | 7071/1 | 1043925 | 265,00 | 235,00 | 65,00 |
| 5105/1 | | 1062984 | 270,00 | 250,00 | 27,00 |
| 5105/2 | | 1082964 | 275,00 | 245,00 | 46,00 |
| 5105/3 | | 10821003 | 275,00 | 255,00 | 30,00 |
| 5105/4 | | 1102944 | 280,00 | 240,00 | 60,00 |
| 5105/5 | | 11102984/1 | 280,00 | 250,00 | 43,00 |
| 5106 | | 1102984 | 280,00 | 250,00 | 33,00 |
| | 7071/2 | 1102984 | 280,00 | 250,00 | 60,00 |
| 5106/1 | | 11021023 | 280,00 | 260,00 | 40,00 |
| 5106/2 | | 11221003 | 285,00 | 255,00 | 44,00 |
| 5106/3 | | 11221043 | 285,00 | 265,00 | 29,00 |
| 5106/4 | | 1141984 | 290,00 | 250,00 | 60,00 |
| 5106/5 | | 11411024 | 290,00 | 260,00 | 40,50 |
| 5106/6 | | 11411043 | 290,00 | 265,00 | 37,50 |
| 5106/7 | | 11611043 | 295,00 | 265,00 | 40,00 |
| 5106/8 | | 11811024 | 300,00 | 260,00 | 54,00 |
| 5106/9 | | 11811062 | 300,00 | 270,00 | 46,00 |
| 5106/10 | | 12001082 | 305,00 | 275,00 | 46,00 |
| 5106/14 | | 12121137 | 307,97 | 288,92 | 28,57 |
| 5106/11 | | 12201062 | 310,00 | 270,00 | 60,00 |
| 5106/12 | | 12201102 | 310,00 | 280,00 | 50,50 |
| | 7072 | 12201102/1 | 310,00 | 280,00 | 60,00 |
| 5107 | | 12401102 | 315,00 | 280,00 | 38,45 |
| 5107/1 | | 12401122 | 315,00 | 285,00 | 40,00 |
| 5107/2 | | 12591102 | 320,00 | 280,00 | 57,00 |
| 5108 | | 12591141 | 320,00 | 290,00 | 50,80 |
| 5108/1 | | 12591181 | 320,00 | 300,00 | 32,00 |
| 5108/2 | | 12791122 | 325,00 | 285,00 | 60,00 |
| 5108/3 | | 12791161 | 325,00 | 295,00 | 46,00 |
| 5108/4 | | 12991141 | 330,00 | 290,00 | 54,00 |
| 5108/5 | | 12991181 | 330,00 | 300,00 | 44,00 |
| 5109 | | 12991220 | 330,00 | 310,00 | 30,00 |

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Suministros Industriales y Servicios



TECNOTEX

Juntas de VÁSTAGO
ROD seals

# GT/5
# GT/7





| PART NR GT5 | PART NR GT7 | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|---|
| | | | D | d | H |
| 5109/1 | | 13381181 | 340,00 | 300,00 | 54,00 |
| 5109/2 | | 13381220 | 340,00 | 310,00 | 46,00 |
| 5109/3 | | 13581240 | 345,00 | 315,00 | 52,00 |
| 5109/4 | | 13771220 | 350,00 | 310,00 | 60,00 |
| 5109/5 | | 13771232 | 350,00 | 313,00 | 46,00 |
| 5110 | | 13771240 | 350,00 | 315,00 | 38,45 |
| 5110/1 | | 13771248 | 350,00 | 317,00 | 46,00 |
| 5110/2 | | 13771259 | 350,00 | 320,00 | 50,80 |
| 5110/3 | | 13971240 | 355,00 | 315,00 | 50,00 |
| 5110/4 | | 13971279 | 355,00 | 325,00 | 46,00 |
| 5110/5 | | 14171259 | 360,00 | 320,00 | 54,00 |
| 5111 | | 14371259 | 365,00 | 320,00 | 55,00 |
| 5111/1 | | 14371279 | 365,00 | 325,00 | 56,00 |
| 5111/2 | | 14561299 | 370,00 | 330,00 | 60,00 |
| 5111/3 | | 14561338 | 370,00 | 340,00 | 46,00 |
| 5112 | | 14961338 | 380,00 | 340,00 | 60,00 |
| 5112/1 | | 14961377 | 380,00 | 350,00 | 46,00 |
| 5112/2 | | 15001397 | 381,00 | 355,00 | 42,00 |
| 5113 | | 15351377 | 390,00 | 350,00 | 60,00 |
| 5113/1 | | 15311269 | 390,00 | 360,00 | 50,80 |
| 5113/A | | 15741417 | 400,00 | 360,00 | 60,00 |
| 5114 | | 15741452 | 400,00 | 369,00 | 45,00 |
| 5114/1 | | 15941476 | 405,00 | 375,00 | 46,00 |
| 5114/2 | | 16531496 | 420,00 | 380,00 | 60,00 |
| 5114/3 | | 16531511 | 420,00 | 384,00 | 51,00 |
| 5114/4 | | 16531531 | 420,00 | 390,00 | 50,00 |
| 5114/5 | | 16921531 | 430,00 | 390,00 | 60,00 |
| 5114/6 | | 16921574 | 430,00 | 400,00 | 48,00 |
| 5114/7 | | 17321496 | 440,00 | 380,00 | 85,00 |
| 5115 | | 17321574 | 440,00 | 400,00 | 54,00 |
| 5115/1 | | 17711574 | 450,00 | 400,00 | 75,00 |
| 5115/2 | | 17711614 | 450,00 | 410,00 | 60,00 |
| 5116 | | 17711637 | 450,00 | 416,00 | 50,00 |
| 5116/1 | | 17711653 | 450,00 | 420,00 | 46,00 |
| 5116/2 | | 18111653 | 460,00 | 420,00 | 52,00 |
| 5116/3 | | 18111653/1 | 460,00 | 420,00 | 65,00 |
| 5116/4 | | 18261692 | 464,00 | 430,00 | 49,00 |
| 5116/5 | | 18301673 | 465,00 | 425,00 | 60,00 |
| 5116/6 | | 18701751 | 475,00 | 445,00 | 46,00 |
| 5116/7 | | 18891732 | 480,00 | 440,00 | 59,00 |
| 5116/8 | | 19091755 | 485,00 | 446,00 | 50,00 |
| 5116/9 | | 19291771 | 490,00 | 450,00 | 60,00 |
| 5116/10 | | 19371811 | 492,00 | 460,00 | 50,00 |
| 5116/11 | | 19681771 | 500,00 | 450,00 | 75,00 |
| 5116/12 | | 19681822 | 500,00 | 460,00 | 60,00 |
| 5117 | | 19681822 | 500,00 | 463,00 | 55,00 |
| 5117/1 | | 19681850 | 500,00 | 470,00 | 46,00 |
| 5117/2 | | 19801858 | 503,00 | 472,00 | 45,00 |
| 5117/3 | | 20071811 | 510,00 | 460,00 | 75,00 |
| 5117/4 | | 20071889 | 510,00 | 480,00 | 46,00 |
| 5117/5 | | 20471889 | 520,00 | 480,00 | 60,00 |
| 5117/6 | | 20861929 | 530,00 | 490,00 | 60,00 |

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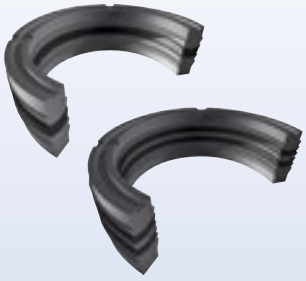
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*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de VÁSTAGO
ROD seals

# GT/5
# GT/7

| PART NR GT5 | PART NR GT7 | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|---|
| | | | D | d | H |
| 5117/7 | | 21251968 | 540,00 | 500,00 | 60,00 |
| 5117/8 | | 21252000 | 540,00 | 508,00 | 47,00 |
| 5118 | | 21451988 | 545,00 | 505,00 | 60,00 |
| 5118/1 | | 21651968 | 550,00 | 500,00 | 75,00 |
| 5118/2 | | 21652047 | 550,00 | 520,00 | 46,00 |
| 5118/3 | | 22042007 | 560,00 | 510,00 | 75,00 |
| 5118/4 | | 22042047 | 560,00 | 520,00 | 60,00 |
| 5118/5 | | 22382086 | 568,50 | 530,00 | 60,00 |
| 5118/6 | | 22442047 | 570,00 | 520,00 | 75,00 |
| 5118/7 | | 23222165 | 590,00 | 550,00 | 60,00 |
| 5118/8 | | 23302153 | 592,00 | 547,00 | 66,00 |
| 5118/9 | | 23422224 | 595,00 | 565,00 | 43,00 |
| 5118/10 | | 23622204 | 600,00 | 560,00 | 57,00 |
| 5118/11 | | 24212263 | 615,00 | 575,00 | 60,00 |
| 5118/12 | | 24402283 | 620,00 | 580,00 | 60,00 |
| 5118/13 | | 24802283 | 630,00 | 580,00 | 64,00 |
| 5118/14 | | 24802322 | 630,00 | 590,00 | 60,00 |
| 5118/15 | | 25192362 | 640,00 | 600,00 | 60,00 |
| 5118/16 | | 25482400 | 647,20 | 609,60 | 53,50 |
| 5118/17 | | 25592362 | 650,00 | 600,00 | 75,00 |
| 5118/18 | | 25592401 | 650,00 | 610,00 | 60,00 |
| 5118/19 | | 25592480 | 650,00 | 620,00 | 44,00 |
| 5118/20 | | 26372480 | 670,00 | 630,00 | 60,00 |
| 5118/21 | | 26772480 | 680,00 | 630,00 | 173,00 |
| 5119 | | 27542598 | 700,00 | 660,00 | 60,00 |
| 5119/1 | | 27752618 | 705,00 | 665,00 | 60,00 |
| 5119/2 | | 28342637 | 720,00 | 670,00 | 75,00 |
| 5119/3 | | 28342677 | 720,00 | 680,00 | 60,00 |
| 5119/4 | | 29052754 | 738,00 | 700,00 | 64,00 |
| 5119/5 | | 29132764 | 740,00 | 700,00 | 68,00 |
| 5119/6 | | 29212740 | 742,00 | 696,00 | 78,00 |
| 5119/7 | | 29212754 | 742,00 | 700,00 | 60,00 |
| 5119/8 | | 29402744 | 747,00 | 697,00 | 75,00 |
| 5120 | | 29532756 | 750,00 | 700,00 | 75,00 |
| 5120/1 | | 29722748 | 755,00 | 698,00 | 75,00 |
| 5120/2 | | 31572996 | 802,00 | 761,00 | 70,00 |
| 5121 | | 33063148 | 840,00 | 800,00 | 60,00 |
| 5121/1 | | 33463149 | 850,00 | 800,00 | 75,00 |
| 5121/2 | | 34253228 | 870,00 | 820,00 | 75,00 |
| 5121/3 | | 35113346 | 892,00 | 850,00 | 62,00 |
| 5121/4 | | 35433385 | 900,00 | 860,00 | 60,00 |
| 5121/5 | | 35823385 | 910,00 | 860,00 | 75,00 |
| 5122 | | 37383542 | 950,00 | 900,00 | 75,00 |
| 5123 | | 38973700 | 990,00 | 940,00 | 70,00 |
| 5123/1 | | 39373738 | 1000,00 | 950,00 | 75,00 |
| 5124 | | 40003822 | 1016,00 | 971,00 | 54,00 |
| 5125 | | 40153818 | 1020,00 | 970,00 | 75,00 |



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Suministros Industriales y Servicios



# PSE
# PSE/K

**Juntas** de VÁSTAGO
ROD **seals**

TECNOTEX

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Suministros Industriales y Servicios

| **Versión standar** | | ***Standard version*** | |
|---|---|---|---|
| Elemento de cierre | NBR | *Sealing Ring* | *NBR* |
| Base | Goma-lona | *Support Ring* | *NBR/Cotton Fabric* |
| Arandela AI | POM | *Anti-extrusion Ring* | *POM* |

| **Versión alternativa** | | ***Alternative Versions*** | |
|---|---|---|---|
| Base | TPE | *Support Ring* | *TPE* |
| Base | Goma-lona FKM | *Support Ring* | *Cotton Fabric FKM* |
| Elemento de cierre | NBR FKM | *Sealing Ring* | *NBR FKM* |
| Elemento de cierre | NBR Baja Temperatura | *Sealing Ring* | *NBR Low Temp.* |

| **Presión hasta / *Pressure up to*** |
|---|
| 70 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | | |
|---|---|---|
| -30°C +110°C | -20°C +200°C FKM | -50°C +110°C TDS 108 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos | *Hydraulic cylinders* |
| Cilindros de minería | *Mining Cyinders* |
| Máquinas de movimiento de tierra | *Earth moving machinery* |
| Cilindros de plataformas aereas | *Hydraulic scissor lifts* |
| | *Lift platforms* |

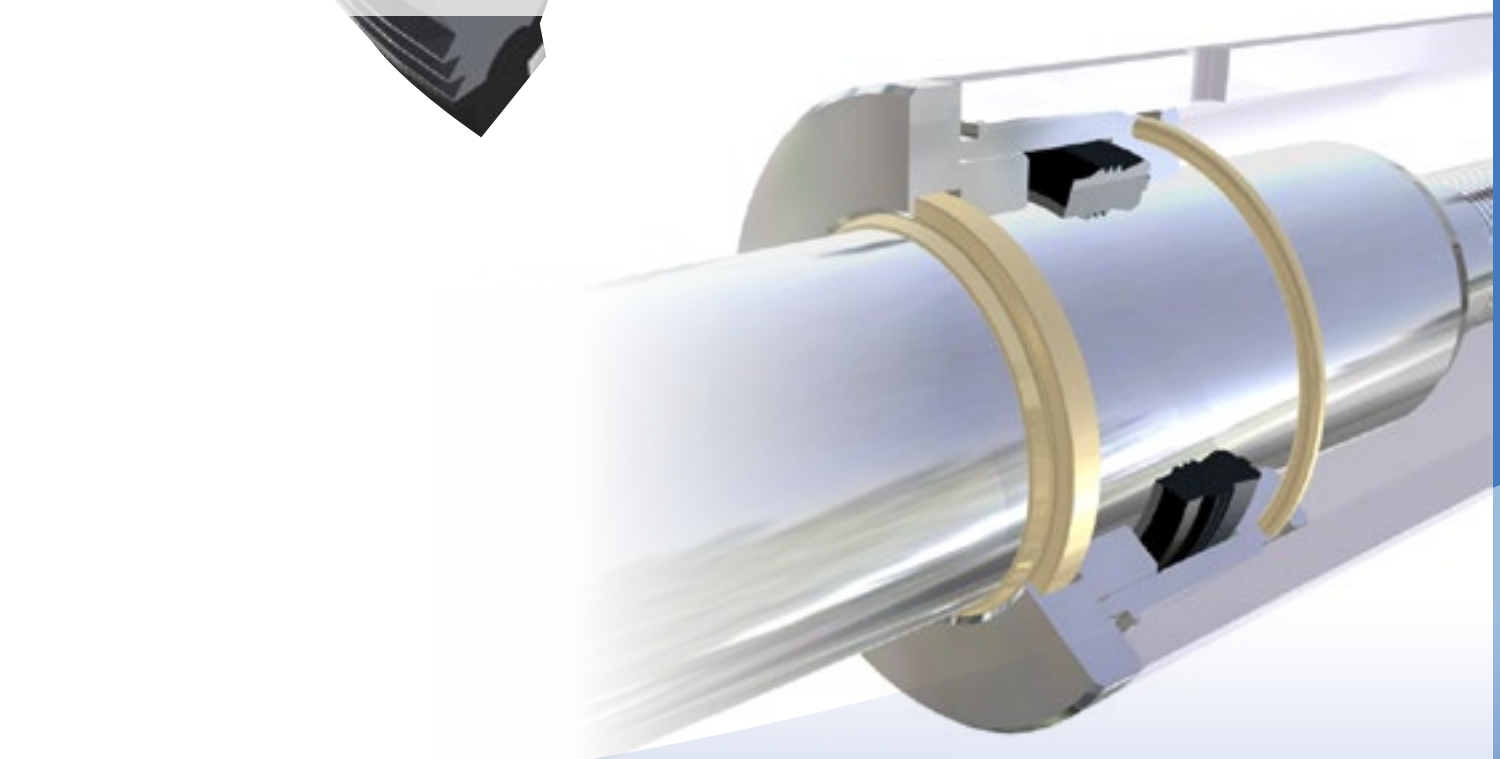


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# PSE • PSE/K

40÷45

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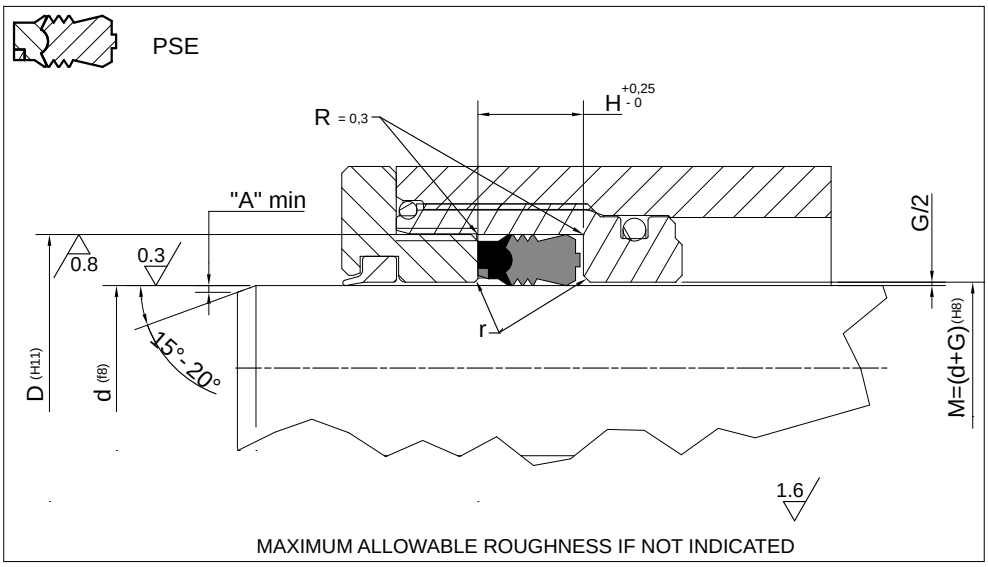


TECNOTEX

Juntas de VÁSTAGO
ROD seals

# PSE






MAXIMUM ALLOWABLE ROUGHNESS IF NOT INDICATED

**Rod Seal design guidelines**

| | 0mm < d ≤ 50mm | 50mm < d ≤ 100mm | 100mm < d ≤ 150mm | d ≥ 150mm |
|---|---|---|---|---|
| **r** | remove sharp edges | | | |
| **A** | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | Operating pressure to determinate Maximum Gap Allowance: G/2 | | | | |
|---|---|---|---|---|---|
| | **Profile Dimension** | **> 16 MPa** | **> 26 MPa** | **> 32 MPa** | **> 40 MPa** |
| **G** | ≤ 5 | 0.50 mm | 0.40 mm | 0.35 mm | |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm | 0.40 mm | 0.35 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm | 0.45 mm | 0.40 mm |
| | 15 | 0.65 mm | 0.55 mm | 0.45 mm | 0.40 mm |

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| PSE 701 | 106059/1 | 15,00 | 27,00 | 20,00 |
| PSE 702 | 129073/1 | 20,00 | 33,00 | 20,00 |
| PSE 703 | 137086/1 | 22,00 | 35,00 | 20,00 |
| PSE 704 | 149098/1 | 25,00 | 38,00 | 20,00 |
| PSE 705 | 161110/1 | 28,00 | 41,00 | 20,00 |
| PSE 706 | 169118/1 | 30,00 | 43,00 | 20,00 |
| PSE 707 | 185125/1 | 32,00 | 47,00 | 22,50 |
| **PSE 708** | **177137/1** | 35,00 | 45,00 | 25,59 |
| **PSE 709** | **185137/1** | 35,00 | 47,00 | 22,50 |
| **PSE 710** | **196137/1** | 35,00 | 50,00 | 22,50 |
| **PSE 711** | **196157/1** | 40,00 | 50,00 | 17,50 |
| **PSE 712** | **200141/1** | 36,00 | 51,00 | 22,50 |
| **PSE 713** | **204157/1** | 40,00 | 52,00 | 22,50 |
| **PSE 714** | **216157/1** | 40,00 | 55,00 | 22,62 |
| **PSE 715** | **236157/1** | 40,00 | 60,00 | 30,00 |
| **PSE 716** | **236177/1** | 45,00 | 60,00 | 22,50 |
| **PSE 717** | **255177/1** | 45,00 | 65,00 | 28,00 |
| **PSE 718** | **248196/1** | 50,00 | 63,00 | 20,00 |
| **PSE 719** | **255196/1A** | 50,00 | 65,00 | 24,50 |
| **PSE 720** | **255196/1C** | 50,00 | 65,00 | 22,50 |
| **PSE 721** | **275196/1B** | 50,00 | 70,00 | 30,00 |
| **PSE 722** | **275196/1A** | 50,00 | 70,00 | 31,90 |
| **PSE 723** | **275216/1** | 55,00 | 70,00 | 25,00 |
| **PSE 724** | **275216/2** | 55,00 | 70,00 | 22,50 |
| **PSE 725** | **295216/1** | 55,00 | 75,00 | 32,00 |
| **PSE 726** | **295216/2** | 55,00 | 75,00 | 30,00 |
| **PSE 726/1** | **279220** | 56,00 | 71,00 | 22,50 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de VÁSTAGO
ROD seals

# PSE

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| PSE 727 | 279220/1 | 56,00 | 71,00 | 25,00 |
| PSE 728 | 299220/1 | 56,00 | 76,00 | 28,00 |
| PSE 729 | 295236/1 | 60,00 | 75,00 | 25,00 |
| PSE 730 | 295236/2 | 60,00 | 75,00 | 22,50 |
| PSE 731 | 303236/1 | 60,00 | 77,00 | 27,00 |
| PSE 731/1 | 314236/1E | 60,00 | 80,00 | 27,00 |
| PSE 731/2 | 314236/1 | 60,00 | 80,00 | 30,00 |
| PSE 732 | 314236/1A | 60,00 | 80,00 | 34,90 |
| PSE 733 | 314236/1B | 60,00 | 80,00 | 32,00 |
| PSE 734 | 326248 | 63,00 | 83,00 | 30,00 |
| PSE 735 | 326248/1A | 63,00 | 83,00 | 29,00 |
| PSE 736 | 326248/1E | 63,00 | 83,00 | 27,00 |
| PSE 737 | 334255/1 | 65,00 | 85,00 | 29,00 |
| PSE 738 | 334275/1 | 70,00 | 85,00 | 22,50 |
| PSE 739 | 334275/1B | 70,00 | 85,00 | 25,00 |
| PSE 739/1 | 354275/1 | 70,00 | 90,00 | 30,00 |
| PSE 740 | 354275/2 | 70,00 | 90,00 | 31,90 |
| PSE 741 | 374295/2A | 75,00 | 95,00 | 28,00 |
| PSE 742 | 374295/2C | 75,00 | 95,00 | 30,00 |
| PSE 743 | 379301/1 | 76,50 | 96,50 | 32,50 |
| PSE 744 | 393314/1 | 80,00 | 100,00 | 30,00 |
| PSE 744/1 | 413334 | 85,00 | 105,00 | 22,00 |
| PSE 745 | 413334/1 | 85,00 | 105,00 | 30,00 |
| PSE 745/1 | 413354 | 90,00 | 105,00 | 22,50 |
| PSE 746 | 413354/1A | 90,00 | 105,00 | 25,00 |
| PSE 747 | 413354/1B | 90,00 | 105,00 | 33,53 |
| PSE 748 | 433354/1A | 90,00 | 120,00 | 30,00 |
| PSE 749 | 433354/2B | 90,00 | 110,00 | 32,50 |
| PSE 750 | 452374/1 | 95,00 | 115,00 | 28,00 |
| PSE 751 | 450393/1 | 100,00 | 114,30 | 24,21 |
| PSE 752 | 472393/1 | 100,00 | 120,00 | 30,00 |
| PSE 753 | 464413/1 | 105,00 | 118,00 | 25,00 |
| PSE 754 | 472413/1 | 105,00 | 120,00 | 34,00 |
| PSE 755 | 492413/1 | 105,00 | 125,00 | 30,00 |
| PSE 756 | 511433/1 | 110,00 | 130,00 | 32,50 |
| PSE 756/1 | 519433/1 | 110,00 | 132,00 | 36,50 |
| PSE 757 | 511452/1 | 115,00 | 130,00 | 30,00 |
| PSE 758 | 551472/1 | 120,00 | 140,00 | 30,00 |
| PSE 759 | 570492/1 | 125,00 | 145,00 | 29,62 |
| PSE 760 | 590511/1 | 130,00 | 150,00 | 28,00 |
| PSE 761 | 610531/1 | 135,00 | 155,00 | 28,00 |
| PSE 761/1 | 629551 | 140,00 | 160,00 | 19,00 |
| PSE 762 | 629551/1 | 140,00 | 160,00 | 28,00 |
| PSE 763 | 629551/2 | 140,00 | 160,00 | 30,00 |
| PSE 764 | 669590/1 | 150,00 | 170,00 | 28,00 |
| PSE 765 | 688610/1 | 155,00 | 175,00 | 28,00 |
| PSE 766 | 708629/1 | 160,00 | 180,00 | 28,00 |
| PSE 767 | 729649/1 | 165,00 | 185,00 | 30,00 |
| PSE 768 | 767669/1 | 170,00 | 195,00 | 35,00 |
| PSE 768/1 | 787688/1 | 175,00 | 200,00 | 35,00 |
| PSE 769 | 807708/1 | 180,00 | 205,00 | 35,00 |
| PSE 770 | 826728/1 | 185,00 | 210,00 | 35,00 |

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TECNOTEX

Juntas de VÁSTAGO
ROD seals

# PSE



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| PSE 771 | 846748/1 | 190,00 | 215,00 | 35,00 |
| PSE 771/1 | 866767/1 | 195,00 | 220,00 | 35,00 |
| PSE 772 | 885787/1 | 200,00 | 225,00 | 35,00 |
| PSE 772/1 | 925728 | 210,00 | 235,00 | 30,00 |
| PSE 773 | 944846/1 | 215,00 | 240,00 | 35,00 |
| PSE 774 | 964866/1 | 220,00 | 245,00 | 35,00 |
| PSE 775 | 984886/1 | 225,00 | 250,00 | 35,00 |
| PSE 776 | 1003905/1 | 230,00 | 255,00 | 35,00 |
| PSE 777 | 1043945/1 | 240,00 | 265,00 | 35,00 |
| PSE 778 | 1082984/1 | 250,00 | 275,00 | 35,00 |
| PSE 778/1 | 11021024 | 260,00 | 280,00 | 30,00 |
| PSE 779 | 11411043/1 | 265,00 | 290,00 | 35,00 |
| PSE 780 | 11811082/1 | 275,00 | 300,00 | 35,00 |
| PSE 781 | 12011102/1 | 280,00 | 305,00 | 35,00 |
| PSE 782 | 12791181/1 | 300,00 | 325,00 | 35,00 |
| PSE 783 | 14171318/1 | 335,00 | 360,00 | 35,00 |

# PSE/K

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| PSE-K 901 | 118071 | 18,00 | 30,00 | 22,50 |
| PSE-K 902 | 146093 | 25,00 | 37,00 | 22,50 |
| PSE-K 903 | 334275 | 70,00 | 85,00 | 22,50 |
| PSE-K 904 | 366307 | 78,00 | 93,00 | 19,00 |
| PSE-K 905 | 374314 | 80,00 | 95,00 | 22,50 |
| PSE-K 906 | 386326 | 83,00 | 98,00 | 22,50 |
| PSE-K 907 | 393334 | 85,00 | 100,00 | 22,50 |
| PSE-K 908 | 396346 | 88,00 | 100,00 | 20,00 |
| PSE-K 908/1 | 413354 | 90,00 | 105,00 | 22,50 |
| PSE-K 909 | 433374 | 95,00 | 110,00 | 22,50 |
| PSE-K 909/1 | 452378 | 100,00 | 115,00 | 22,50 |
| PSE-K 910 | 492433 | 110,00 | 125,00 | 22,50 |
| PSE-K 911 | 511452 | 115,00 | 130,00 | 22,50 |
| PSE-K 912 | 523464 | 118,00 | 133,00 | 22,50 |
| PSE-K 912/1 | 543464 | 118,00 | 138,00 | 22,50 |
| PSE-K 913 | 531472 | 120,00 | 135,00 | 22,50 |
| PSE-K 914 | 539480 | 122,00 | 137,00 | 22,50 |
| PSE-K 915 | 551492 | 125,00 | 140,00 | 22,50 |
| PSE-K 915/1 | 554500 | 127,00 | 142,00 | 22,50 |
| PSE-K 916 | 567519 | 132,00 | 144,00 | 20,00 |
| PSE-K 917 | 590531 | 135,00 | 150,00 | 22,50 |
| PSE-K 918 | 610551 | 140,00 | 155,00 | 22,50 |
| PSE-K 919 | 529551 | 140,00 | 160,00 | 22,50 |
| PSE-K 919/1 | 629570 | 145,00 | 160,00 | 28,50 |
| PSE-K 920 | 649570 | 145,00 | 165,00 | 22,50 |
| PSE-K 921 | 649590 | 150,00 | 165,00 | 22,50 |
| PSE-K 922 | 657593 | 152,00 | 167,00 | 22,50 |
| PSE-K 923 | 688610 | 155,00 | 175,00 | 22,50 |
| PSE-K 924 | 708624 | 158,50 | 180,00 | 28,00 |
| PSE-K 925 | 728669 | 170,00 | 185,00 | 22,50 |
| PSE-K 926 | 756677 | 172,00 | 192,00 | 22,50 |
| PSE-K 927 | 767688 | 175,00 | 195,00 | 22,50 |
| PSE-K 928 | 767688/1 | 175,00 | 195,00 | 30,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de VÁSTAGO
ROD seals

# PSE/K

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| PSE-K 929 | 756697 | 177,00 | 192,00 | 22,50 |
| PSE-K 929/1 | 767708 | 180,00 | 195,00 | 22,50 |
| PSE-K 930 | 787728 | 185,00 | 200,00 | 22,50 |
| PSE-K 931 | 795736 | 187,00 | 202,00 | 22,50 |
| PSE-K 932 | 815736 | 187,00 | 207,00 | 22,50 |
| PSE-K 933 | 827756 | 192,00 | 210,00 | 22,50 |
| PSE-K 933/1 | 827767 | 195,00 | 210,00 | 22,50 |
| PSE-K 934 | 834767 | 195,00 | 212,00 | 22,50 |
| PSE-K 935 | 846787 | 200,00 | 215,00 | 22,50 |
| PSE-K 936 | 894815 | 207,00 | 227,00 | 22,50 |
| PSE-K 937 | 886815 | 207,00 | 225,00 | 22,50 |
| PSE-K 938 | 905827 | 210,00 | 230,00 | 22,50 |
| PSE-K 939 | 905834 | 212,00 | 230,00 | 22,50 |
| PSE-K 940 | 913834 | 212,00 | 232,00 | 22,50 |
| PSE-K 941 | 945866 | 220,00 | 240,00 | 22,50 |
| PSE-K 942 | 945886 | 225,00 | 240,00 | 22,50 |
| PSE-K 942/1 | 952893 | 227,00 | 242,00 | 22,50 |
| PSE-K 943 | 984905 | 230,00 | 250,00 | 22,50 |
| PSE-K 944 | 1004925 | 235,00 | 255,00 | 22,50 |
| PSE-K 945 | 1024945 | 240,00 | 260,00 | 28,00 |
| PSE-K 946 | 11021024 | 260,00 | 280,00 | 22,50 |
| PSE-K 947 | 11221043 | 265,00 | 285,00 | 22,50 |
| PSE-K 948 | 11931114 | 283,00 | 303,00 | 22,50 |
| PSE-K 949 | 12131134 | 288,00 | 308,00 | 22,50 |
| PSE-K 950 | 13141240 | 315,00 | 335,00 | 30,50 |

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# TTS
# TTS/L
# TTS/L-AI

**Juntas** de VÁSTAGO
**ROD seals**

TECNOLAN



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| **Versión standar** | ***Standard Version*** |
|---|---|
| TTS TTS/L Poliuretano<br>TTS/AI TTS/L AI Poliuretano +POM | *TTS TTS/L Polyurethane*<br>*TTS/AI TTS/L AI Polyurethane+POM* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| Poliuretano Baja temperatura | *Low Temperature Polyurethane* |

| **Presión hasta / *Pressure up to*** |
|---|
| 40 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -35°C +100°C | -45°C +110°C PN 522 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos | *Hydraulic Cylinders* |
| Cilindros telescópicos | *Telescopic Cylinders* |
| Cilindros de grúa | *Truck crane Cylinders* |
| Vehículos hidráulicos | *Tail Lifts* |
| Cilindros para agricultura | *Agricultural Cylinders* |
| Prensas de inyección | *Injection moulding machines* |

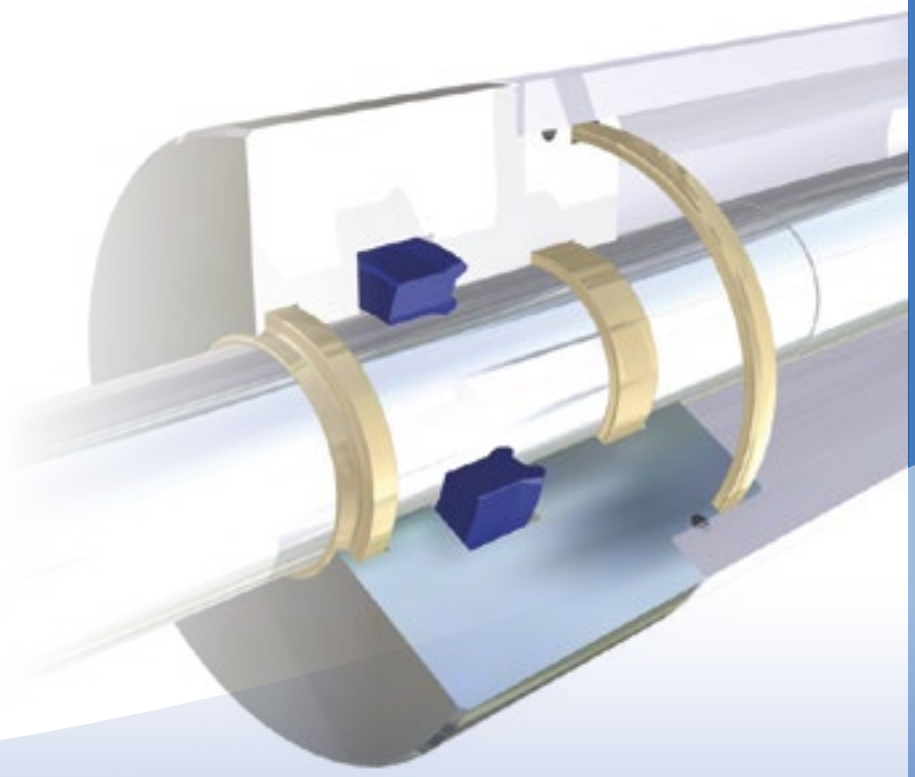


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TTS • TTS/L • TTS/L-AI

46÷58

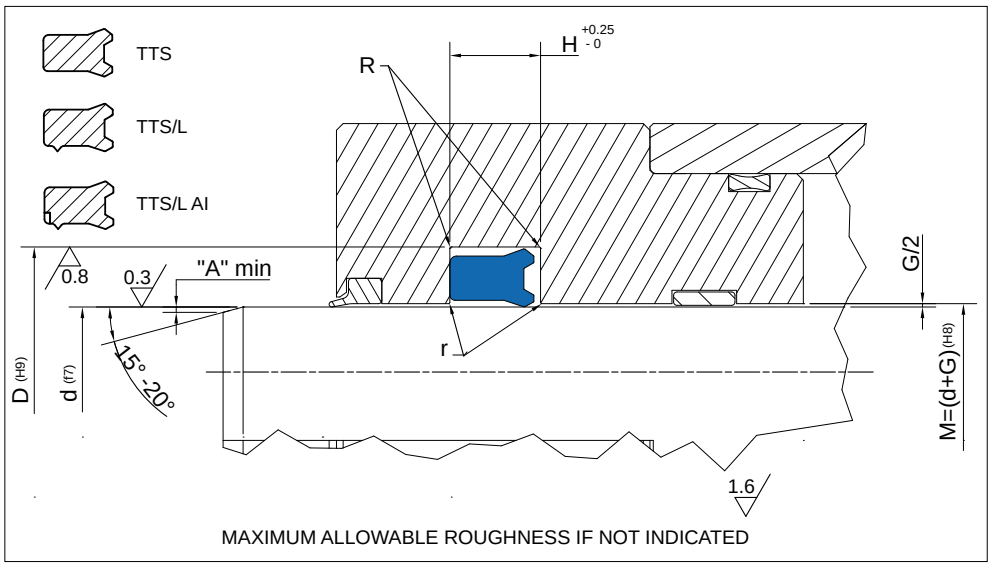
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TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTS
# TTS/L
# TTS/L-AI




MAXIMUM ALLOWABLE ROUGHNESS IF NOT INDICATED



**Rod Seal design guidelines**

| | 0mm < d ≤ 50mm | 50mm < d ≤ 100mm | 100mm < d ≤ 150mm | d ≥ 150mm |
|---|---|---|---|---|
| **r** | remove sharp edges | | | |
| **A** | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | Operating pressure to determinate Maximum Gap Allowance: G/2 | | | | |
|---|---|---|---|---|---|
| | **Profile Dimension** | **> 16 MPa** | **> 26 MPa** | **> 32 MPa** | **> 40 MPa** |
| **G** | ≤ 5 | 0.50 mm | 0.40 mm | 0.35 mm | |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm | 0.40 mm | 0.35 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm | 0.45 mm | 0.40 mm |
| | 15 | 0.65 mm | 0.55 mm | 0.45 mm | 0.40 mm |

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTS 501 | 6-14-5,8/L | 6,00 | 14,00 | 6,30 |
| TTS 502 | 6,35-14,3-6/L | 6,35 | 14,30 | 7,00 |
| TTS 502/3 | 7-14-7,2 | 7,00 | 14,00 | 8,00 |
| TTS 502/4 | 7-14-6,2 | 7,00 | 14,00 | 7,00 |
| TTS 502/1 | 8-14-5,5/L | 8,00 | 14,00 | 6,00 |
| TTS 502/2 | 8-15-5,8/L | 8,00 | 15,00 | 6,30 |
| TTS 503 | 8-16-5,8/L | 8,00 | 16,00 | 6,30 |
| **TTS 503/1** | **10-15-3** | 10,00 | 15,00 | 3,60 |
| **TTS 504** | **10-16-4,8/L** | 10,00 | 16,00 | 5,40 |
| **TTS 505** | **10-18-5,8/L** | 10,00 | 18,00 | 6,30 |
| **TTS 506** | **12-18-4,5** | 12,00 | 18,00 | 5,00 |
| **TTS 507** | **12-19-5,7/L** | 12,00 | 19,00 | 6,30 |
| **TTS 508** | **12-20-5,8** | 12,00 | 20,00 | 6,30 |
| **TTS 509** | **12-20-5,8/L** | 12,00 | 20,00 | 6,30 |
| **TTS 510** | **12-23-6,5/L** | 12,00 | 23,00 | 7,50 |
| **TTS 510/1** | **13-24-6/L** | 13,00 | 24,00 | 7,00 |
| **TTS 510/2** | **14-20-3** | 14,00 | 20,00 | 3,60 |
| **TTS 511** | **14-20-4,8/L** | 14,00 | 20,00 | 5,30 |
| **TTS 512** | **14-22-5,8/L** | 14,00 | 22,00 | 6,30 |
| **TTS 512/1** | **14-23-5,6/L** | 14,00 | 23,00 | 6,00 |
| **TTS 512/2** | **14-23-5,8/L** | 14,00 | 23,00 | 6,30 |
| **TTS 512/3** | **14,5-20-3,5** | 14,50 | 20,00 | 4,00 |
| **TTS 512/4** | **15-20-3,2** | 15,00 | 20,00 | 3,80 |
| **TTS 513** | **15-21,5-4,2** | 15,00 | 21,50 | 5,00 |
| **TTS 514** | **15,4-25,5-6,5/L** | 15,40 | 25,50 | 7,40 |
| **TTS 515** | **16-22-4** | 16,00 | 22,00 | 4,50 |
| **TTS 515/1** | **16-23-5,8/L** | 16,00 | 23,00 | 6,30 |

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Suministros Industriales y Servicios

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTS 515/2 | 16-23-5,6/L | 16,00 | 23,00 | 6,00 |
| TTS 516 | 16-24-5,8/L | 16,00 | 24,00 | 6,30 |
| TTS 516/1 | 16-24-5,8 | 16,00 | 24,00 | 6,30 |
| TTS 517 | 16-24-6 | 16,00 | 24,00 | 7,00 |
| TTS 518 | 18-25-5 | 18,00 | 25,00 | 5,70 |
| TTS 519 | 18-26-5,8/L | 18,00 | 26,00 | 6,30 |
| TTS 520 | 18-26-6 | 18,00 | 26,00 | 7,00 |
| TTS 521 | 18-26-6/L | 18,00 | 26,00 | 7,00 |
| TTS 522 | 18-26-8/L | 18,00 | 26,00 | 9,00 |
| TTS 523 | 18-28-5,8 | 18,00 | 28,00 | 6,30 |
| TTS 524 | 18-28-5,8/L | 18,00 | 28,00 | 6,30 |
| TTS 525 | 18-28-7 | 18,00 | 28,00 | 8,00 |
| TTS 526 | 19,5-27,5-8/L | 19,50 | 27,50 | 9,00 |
| TTS 526/1 | 20-25-2,2 | 20,00 | 25,00 | 3,00 |
| TTS 527 | 20-25-3 | 20,00 | 25,00 | 3,50 |
| TTS 528 | 20-25-3,7 | 20,00 | 25,00 | 4,50 |
| TTS 529 | 20-26-5/L | 20,00 | 26,00 | 5,50 |
| TTS 530 | 20-26-5,2 | 20,00 | 26,00 | 6,00 |
| TTS 531 | 20-26-5,2/L | 20,00 | 26,00 | 6,00 |
| TTS 532 | 20-27-5,8 | 20,00 | 27,00 | 6,30 |
| TTS 533 | 20-28-5,8 | 20,00 | 28,00 | 6,30 |
| TTS 534 | 20-28-5,8/L | 20,00 | 28,00 | 6,30 |
| TTS 535 | 20-28-6,3/L | 20,00 | 28,00 | 7,00 |
| TTS 536 | 20-28-7/L | 20,00 | 28,00 | 8,00 |
| TTS 537 | 20-30-7,2 | 20,00 | 30,00 | 8,00 |
| TTS 538 | 20-30-7/L | 20,00 | 30,00 | 8,00 |
| TTS 539 | 20-30-8/L | 20,00 | 30,00 | 9,00 |
| TTS 540 | 20-30-10 | 20,00 | 30,00 | 11,00 |
| TTS 541 | 21-27-4,5 | 21,00 | 27,00 | 5,00 |
| TTS 542 | 22-28-4,5 | 22,00 | 28,00 | 5,00 |
| TTS 543 | 22-30-5,8/L | 22,00 | 30,00 | 6,30 |
| TTS 544 | 22-30-6 | 22,00 | 30,00 | 7,00 |
| TTS 545 | 22-30-6,3/L | 22,00 | 30,00 | 7,00 |
| TTS 546 | 22-30-7 | 22,00 | 30,00 | 8,00 |
| TTS 546/1 | 22-30-7/L | 22,00 | 30,00 | 8,00 |
| TTS 546/2 | 22-30-8 | 22,00 | 30,00 | 9,00 |
| TTS 547 | 22-32-7 | 22,00 | 32,00 | 8,00 |
| TTS 548 | 22-32-8 | 22,00 | 32,00 | 9,00 |
| TTS 549 | 24-30-4,5 | 24,00 | 30,00 | 5,00 |
| TTS 549/1 | 24-32-5,8 | 24,00 | 32,00 | 6,30 |
| TTS 550 | 24-34-5,7 | 24,00 | 34,00 | 6,50 |
| TTS 551 | 25-31-3 | 25,00 | 31,00 | 3,50 |
| TTS 551/1 | 25-31-4,5 | 25,00 | 31,00 | 5,00 |
| TTS 552 | 25-32-4 | 25,00 | 32,00 | 5,00 |
| TTS 553 | 25-32-5,8 | 25,00 | 32,00 | 6,50 |
| TTS 554 | 25-33-5,8 | 25,00 | 33,00 | 6,30 |
| TTS 555 | 25-33-5,8/L | 25,00 | 33,00 | 6,30 |
| TTS 556 | 25-33-6,5/L | 25,00 | 33,00 | 7,50 |
| TTS 557 | 25-33-7/L | 25,00 | 33,00 | 8,00 |
| TTS 558 | 25-33-8 | 25,00 | 33,00 | 9,00 |
| TTS 558/1 | 25-33-8/L | 25,00 | 33,00 | 9,00 |
| TTS 559 | 25-35-5 | 25,00 | 35,00 | 6,00 |

TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTS
# TTS/L
# TTS/L-AI



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Juntas de VÁSTAGO
ROD seals

# TTS
# TTS/L
# TTS/L-AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTS 560 | 25-35-5,8/L | 25,00 | 35,00 | 6,30 |
| TTS 561 | 25-35-7 | 25,00 | 35,00 | 8,00 |
| TTS 562 | 25-35-7/L | 25,00 | 35,00 | 8,00 |
| TTS 563 | 25-35-8 | 25,00 | 35,00 | 9,00 |
| TTS 564 | 25-35-8/L | 25,00 | 35,00 | 9,00 |
| TTS 565 | 25-35-9 | 25,00 | 35,00 | 10,00 |
| TTS 566 | 25-35-10 | 25,00 | 35,00 | 11,00 |
| TTS 566/1 | 25-35-10/L | 25,00 | 35,00 | 11,00 |
| TTS 567 | 25-36-5 | 25,00 | 36,00 | 6,00 |
| TTS 568 | 25-36-5/AI | 25,00 | 36,00 | 6,00 |
| TTS 569 | 25-38-10 | 25,00 | 38,00 | 11,00 |
| TTS 569/1 | 27-35-6 | 27,00 | 35,00 | 6,50 |
| TTS 570 | 28-34,2-5,2/L | 28,00 | 34,20 | 6,00 |
| TTS 571 | 28-36-5,8 | 28,00 | 36,00 | 6,30 |
| TTS 572 | 28-36-5,8/L | 28,00 | 36,00 | 6,30 |
| TTS 573 | 28-36-8 | 28,00 | 36,00 | 9,00 |
| TTS 574 | 28-38-5,8/L | 28,00 | 38,00 | 6,30 |
| TTS 575 | 28-38-7 | 28,00 | 38,00 | 8,00 |
| TTS 576 | 28-38-7/L | 28,00 | 38,00 | 8,00 |
| TTS 576/1 | 28,5-36,5-8 | 28,50 | 36,50 | 9,00 |
| TTS 577 | 30-36-3 | 30,00 | 36,00 | 3,50 |
| TTS 578 | 30-38-5,8 | 30,00 | 38,00 | 6,30 |
| TTS 579 | 30-38-5,8/L | 30,00 | 38,00 | 6,30 |
| TTS 580 | 30-38-5,8/AI | 30,00 | 38,00 | 6,30 |
| TTS 580/1 | 30-38-7/L | 30,00 | 38,00 | 8,00 |
| TTS 581 | 30-38-8 | 30,00 | 38,00 | 9,00 |
| TTS 581/1 | 30-38-8/L | 30,00 | 38,00 | 9,00 |
| TTS 582 | 30-40-6,5/L | 30,00 | 40,00 | 7,50 |
| TTS 582/2 | 30-40-7 | 30,00 | 40,00 | 8,00 |
| TTS 583 | 30-40-7/L | 30,00 | 40,00 | 8,00 |
| TTS 584 | 30-40-10 | 30,00 | 40,00 | 11,00 |
| TTS 585 | 30-40-10-L | 30,00 | 40,00 | 11,00 |
| TTS 586 | 32-40-5,8 | 32,00 | 40,00 | 6,30 |
| TTS 587 | 32-40-5,8/L | 32,00 | 40,00 | 6,30 |
| TTS 588 | 32-40-6,7/L | 32,00 | 40,00 | 7,70 |
| TTS 588/1 | 32-40-7/L | 32,00 | 40,00 | 8,00 |
| TTS 589 | 32-40-8 | 32,00 | 40,00 | 9,00 |
| TTS 590 | 32-40-8/L | 32,00 | 40,00 | 9,00 |
| TTS 590/1 | 32-41,5-7,9/L | 32,00 | 41,50 | 8,90 |
| TTS 591 | 32-42-7/L | 32,00 | 42,00 | 8,00 |
| TTS 592 | 32-42-8/L | 32,00 | 42,00 | 9,00 |
| TTS 593 | 32-42-10/L | 32,00 | 42,00 | 11,00 |
| TTS 594 | 32-42,5-8/L | 32,00 | 42,50 | 9,00 |
| TTS 595 | 32-45-9,5/L-AI | 32,00 | 45,00 | 10,50 |
| TTS 595/1 | 32-45-10L | 32,00 | 45,00 | 11,00 |
| TTS 595/2 | 35-41-4,5 | 35,00 | 41,00 | 5,00 |
| TTS 596 | 35-43-5,8/L | 35,00 | 43,00 | 6,30 |
| TTS 597 | 35-43-6 | 35,00 | 43,00 | 7,00 |
| TTS 598 | 35-43-6/L | 35,00 | 43,00 | 7,00 |
| TTS 599 | 35-43-8/L | 35,00 | 43,00 | 9,00 |
| TTS 600 | 35-45-7/L | 35,00 | 45,00 | 8,00 |
| TTS 601 | 35-45-10/L | 35,00 | 45,00 | 11,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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Juntas de VÁSTAGO
ROD seals

# TTS
# TTS/L
# TTS/L-AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTS 602 | 35-45-12,5/L | 35,00 | 45,00 | 13,50 |
| TTS 603 | 35-50-10/L | 35,00 | 50,00 | 11,00 |
| TTS 604 | 36-44-5,8/L | 36,00 | 44,00 | 6,30 |
| TTS 605 | 36-44-6 | 36,00 | 44,00 | 7,00 |
| TTS 606 | 36-44-8 | 36,00 | 44,00 | 9,00 |
| TTS 607 | 36-46-7 | 36,00 | 46,00 | 8,00 |
| TTS 607/1 | 36-46-7-AI | 36,00 | 46,00 | 8,00 |
| TTS 607/2 | 36-46-7/L | 36,00 | 46,00 | 8,00 |
| TTS 608 | 36-46-7/L-AI | 36,00 | 46,00 | 8,00 |
| TTS 609 | 36-46-10 | 36,00 | 46,00 | 11,00 |
| TTS 610 | 36-57-5/AI | 36,00 | 57,00 | 6,00 |
| TTS 611 | 38-45-6 | 38,00 | 45,00 | 7,00 |
| TTS 612 | 38-50-8,5/L | 38,00 | 50,00 | 9,50 |
| TTS 613 | 40-48-5,8 | 40,00 | 48,00 | 6,30 |
| TTS 614 | 40-48-5,8/L | 40,00 | 48,00 | 6,30 |
| TTS 614/1 | 40-48-6/L | 40,00 | 48,00 | 7,00 |
| TTS 615 | 40-48-8 | 40,00 | 48,00 | 9,00 |
| TTS 616 | 40-48-8/L | 40,00 | 48,00 | 9,00 |
| TTS 617 | 40-48-8/L-AI | 40,00 | 48,00 | 9,00 |
| TTS 618 | 40-49,5-9,5/L | 40,00 | 49,50 | 10,50 |
| TTS 619 | 40-50-6/L | 40,00 | 50,00 | 7,00 |
| TTS 620 | 40-50-7 | 40,00 | 50,00 | 8,00 |
| TTS 621 | 40-50-7/L | 40,00 | 50,00 | 8,00 |
| TTS 622 | 40-50-10 | 40,00 | 50,00 | 11,00 |
| TTS 623 | 40-50-10/L | 40,00 | 50,00 | 11,00 |
| TTS 624 | 40-50-10/L-AI | 40,00 | 50,00 | 11,00 |
| TTS 625 | 40-52-10/L-AI | 40,00 | 52,00 | 11,00 |
| TTS 626 | 40-52-17/L-AI | 40,00 | 52,00 | 18,00 |
| TTS 627 | 40-55-7,5/L-AI | 40,00 | 55,00 | 8,50 |
| TTS 628 | 40-55-10/L | 40,00 | 55,00 | 11,00 |
| TTS 629 | 40-55-10/L-AI | 40,00 | 55,00 | 11,00 |
| TTS 630 | 40-60-10/L | 40,00 | 60,00 | 11,00 |
| TTS 631 | 42-50-6/L | 42,00 | 50,00 | 7,00 |
| TTS 632 | 42-52-8/L | 42,00 | 52,00 | 9,00 |
| TTS 633 | 42-53-9 | 42,00 | 53,00 | 10,00 |
| TTS 633/1 | 45-52-12/L | 45,00 | 52,00 | 13,00 |
| TTS 633/2 | 45-51-4,5 | 45,00 | 51,00 | 5,00 |
| TTS 634 | 45-53-5,8/L | 45,00 | 53,00 | 6,30 |
| TTS 635 | 45-53-6 | 45,00 | 53,00 | 7,00 |
| TTS 635/1 | 45-53-7/L | 45,00 | 53,00 | 8,00 |
| TTS 636 | 45-53-8 | 45,00 | 53,00 | 9,00 |
| TTS 637 | 45-53-8/L | 45,00 | 53,00 | 9,00 |
| TTS 638 | 45-53-10 | 45,00 | 53,00 | 11,00 |
| TTS 638/1 | 45-53-12 | 45,00 | 53,00 | 13,00 |
| TTS 639 | 45-53-12/L | 45,00 | 53,00 | 13,00 |
| TTS 639/1 | 45-54,3-8/L | 45,00 | 54,30 | 8,70 |
| TTS 639/2 | 45-55-5,7/L | 45,00 | 55,00 | 6,50 |
| TTS 640 | 45-55-7 | 45,00 | 55,00 | 8,00 |
| TTS 641 | 45-55-7/L | 45,00 | 55,00 | 8,00 |
| TTS 642 | 45-55-10 | 45,00 | 55,00 | 11,00 |
| TTS 643 | 45-55-10/L | 45,00 | 55,00 | 11,00 |
| TTS 644 | 45-55-10/L-AI | 45,00 | 55,00 | 11,00 |

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Suministros Industriales y Servicios



TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTS
# TTS/L
# TTS/L-AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTS 645 | 45-57,7-9,5/L | 45,00 | 57,70 | 10,50 |
| TTS 646 | 45-60-10/L | 45,00 | 60,00 | 11,00 |
| TTS 647 | 46-54-8 | 46,00 | 54,00 | 9,00 |
| TTS 648 | 46-54-8/L | 46,00 | 54,00 | 9,00 |
| TTS 649 | 48-60-6/L | 48,00 | 60,00 | 7,00 |
| TTS 650 | 49,5-65,3-10/L | 49,50 | 65,30 | 11,00 |
| TTS 651 | 50-58-8/L | 50,00 | 58,00 | 9,00 |
| TTS 651/1 | 50-58-8 | 50,00 | 58,00 | 9,00 |
| TTS 652 | 50-60-7 | 50,00 | 60,00 | 8,00 |
| TTS 653 | 50-60-7/L | 50,00 | 60,00 | 8,00 |
| TTS 653/1 | 50-60-7/L-AI | 50,00 | 60,00 | 8,00 |
| TTS 654 | 50-60-9/L | 50,00 | 60,00 | 10,00 |
| TTS 655 | 50-60-10 | 50,00 | 60,00 | 11,00 |
| TTS 656 | 50-60-10/L | 50,00 | 60,00 | 11,00 |
| TTS 657 | 50-60-10/L-AI | 50,00 | 60,00 | 11,00 |
| TTS 658 | 50-62-8 | 50,00 | 62,00 | 9,00 |
| TTS 659 | 50-62-8,6/L-AI | 50,00 | 62,00 | 9,60 |
| TTS 660 | 50-62-10 | 50,00 | 62,00 | 11,00 |
| TTS 661 | 50-62,7-9,5/L | 50,00 | 62,70 | 10,50 |
| TTS 662 | 50-65-10 | 50,00 | 65,00 | 11,00 |
| TTS 663 | 50-65-10/L | 50,00 | 65,00 | 11,00 |
| TTS 664 | 50-65-10/L-AI | 50,00 | 65,00 | 11,00 |
| TTS 664/1 | 50-65-15/AI | 50,00 | 65,00 | 16,00 |
| TTS 665 | 50-70-12/L-AI | 50,00 | 70,00 | 13,00 |
| TTS 666 | 50-70-13,5/L | 50,00 | 70,00 | 14,50 |
| TTS 667 | 55-63-8 | 55,00 | 63,00 | 9,00 |
| TTS 667/1 | 55-63-8/L | 55,00 | 63,00 | 9,00 |
| TTS 668 | 55-65-7,2 | 55,00 | 65,00 | 8,00 |
| TTS 668/1 | 55-65-7,2/L | 55,00 | 65,00 | 8,00 |
| TTS 669 | 55-65-10 | 55,00 | 65,00 | 11,00 |
| TTS 670 | 55-65-10/L | 55,00 | 65,00 | 11,00 |
| TTS 671 | 55-65-10/AI | 55,00 | 65,00 | 11,00 |
| TTS 672 | 55-65-12 | 55,00 | 65,00 | 13,00 |
| TTS 673 | 55-65-12/L | 55,00 | 65,00 | 13,00 |
| TTS 674 | 56-66-10 | 56,00 | 66,00 | 11,00 |
| TTS 675 | 56-71-11,5/L | 56,00 | 71,00 | 12,50 |
| TTS 675/2 | 56-71-11,5/L-AI | 56,00 | 71,00 | 12,50 |
| TTS 675/1 | 56-71-9,5/L | 56,00 | 71,00 | 10,50 |
| TTS 676 | 56-71-9,5/L-AI | 56,00 | 71,00 | 10,50 |
| TTS 677 | 57,1-66,7-9,5/L | 57,10 | 66,70 | 10,50 |
| TTS 678 | 57,1-69,8-9,5/L | 57,10 | 69,80 | 10,50 |
| TTS 678/1 | 60-68-7/L | 60,00 | 68,00 | 8,00 |
| TTS 678/2 | 58-64-4,5 | 58,00 | 64,00 | 5,00 |
| TTS 679 | 60-68-8 | 60,00 | 68,00 | 9,00 |
| TTS 680 | 60-68-8/L | 60,00 | 68,00 | 9,00 |
| TTS 681 | 60-68-13/L | 60,00 | 68,00 | 14,00 |
| TTS 681/1 | 60-69,3-8/L | 60,00 | 69,30 | 8,70 |
| TTS 682 | 60-70-7,2 | 60,00 | 70,00 | 8,00 |
| TTS 682/2 | 60-70-7,2/L | 60,00 | 70,00 | 8,00 |
| TTS 682/1 | 60-70-10 | 60,00 | 70,00 | 11,00 |
| TTS 683 | 60-70-10/L | 60,00 | 70,00 | 11,00 |
| TTS 684 | 60-70-11,5/L | 60,00 | 70,00 | 12,50 |

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*For dimensions not listed, Please contact us.*

TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTS
# TTS/L
# TTS/L-AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTS 685 | 60-70-12/L | 60,00 | 70,00 | 13,00 |
| TTS 686 | 60-70-12 | 60,00 | 70,00 | 13,00 |
| TTS 686/1 | 60-70-12/AI | 60,00 | 70,00 | 13,00 |
| TTS 687 | 60-70-12/L-AI | 60,00 | 70,00 | 13,00 |
| TTS 688 | 60-71-8/L | 60,00 | 71,00 | 9,00 |
| TTS 689 | 60-72-9 | 60,00 | 72,00 | 10,00 |
| TTS 690 | 60-72-9/L | 60,00 | 72,00 | 10,00 |
| TTS 691 | 60-75-10/L | 60,00 | 75,00 | 11,00 |
| TTS 692 | 60-75-12/L-AI | 60,00 | 75,00 | 13,00 |
| TTS 692/1 | 60-75-12/L | 60,00 | 75,00 | 13,00 |
| TTS 693 | 60-80-12/L-AI | 60,00 | 80,00 | 13,00 |
| TTS 694 | 61-69-8 | 61,00 | 69,00 | 9,00 |
| TTS 695 | 61-69-8/L | 61,00 | 69,00 | 9,00 |
| TTS 695/1 | 61-69,7-8/L | 61,00 | 69,70 | 9,00 |
| TTS 696 | 63-71-8 | 63,00 | 71,00 | 9,00 |
| TTS 696/1 | 63-72,5-11,5/L | 63,00 | 72,50 | 12,50 |
| TTS 697 | 63-75-8,6/L-AI | 63,00 | 75,00 | 9,50 |
| TTS 698 | 63-75-10 | 63,00 | 75,00 | 11,00 |
| TTS 699 | 63-75-12/L-AI | 63,00 | 75,00 | 13,00 |
| TTS 699/1 | 63-78-10/L-AI | 63,00 | 78,00 | 11,00 |
| TTS 699/2 | 63-78-11/L-AI | 63,00 | 78,00 | 12,00 |
| TTS 700 | 63-78-11,5/L-AI | 63,00 | 78,00 | 12,50 |
| TTS 700/1 | 63-78-11,5/L | 63,00 | 78,00 | 12,50 |
| TTS 701 | 63-78-12,5-L/AI | 63,00 | 78,00 | 13,50 |
| TTS 702 | 63-83-12/L-AI | 63,00 | 83,00 | 13,00 |
| TTS 703 | 63-83-13,5/L-AI | 63,00 | 83,00 | 14,50 |
| TTS 704 | 63,5-76,2-9,5/L | 63,50 | 76,20 | 10,50 |
| TTS 704/3 | 65-73-8/L | 65,00 | 73,00 | 9,00 |
| TTS 704/1 | 65-75-5,5 | 65,00 | 75,00 | 4,50 |
| TTS 704/2 | 65-75-7 | 65,00 | 75,00 | 8,00 |
| TTS 704/4 | 65-75-10 | 65,00 | 75,00 | 11,00 |
| TTS 705 | 65-75-12 | 65,00 | 75,00 | 13,00 |
| TTS 706 | 65-75-12/L | 65,00 | 75,00 | 13,00 |
| TTS 706/1 | 65-75-12/L-AI | 65,00 | 75,00 | 13,00 |
| TTS 707 | 65-75-12,5/L | 65,00 | 75,00 | 13,50 |
| TTS 708 | 65-77,7-9,5/L | 65,00 | 77,70 | 10,50 |
| TTS 709 | 65-79,2-11,5/L | 65,00 | 79,20 | 12,50 |
| TTS 709/1 | 65-80-11 | 65,00 | 80,00 | 12,00 |
| TTS 710 | 65-80-11,5/L-AI | 65,00 | 80,00 | 12,50 |
| TTS 711 | 66-80-10 | 66,00 | 80,00 | 11,00 |
| TTS 712 | 66,7-76,2-9,5/L | 66,70 | 76,20 | 10,50 |
| TTS 713 | 68-76-8 | 68,00 | 76,00 | 9,00 |
| TTS 714 | 68-76-8/L | 68,00 | 76,00 | 9,00 |
| TTS 714/1 | 69-78,3-8/L | 69,00 | 78,30 | 8,70 |
| TTS 715 | 69,8-82,5-9,5/L | 69,80 | 82,50 | 10,50 |
| TTS 715/1 | 70-78-8 | 70,00 | 78,00 | 9,00 |
| TTS 715/2 | 70-78-8/L | 70,00 | 78,00 | 9,00 |
| TTS 716 | 70-80-7 | 70,00 | 80,00 | 8,00 |
| TTS 716/1 | 70-80-7/AI | 70,00 | 80,00 | 8,00 |
| TTS 717 | 70-80-10 | 70,00 | 80,00 | 11,00 |
| TTS 718 | 70-80-12 | 70,00 | 80,00 | 13,00 |
| TTS 719 | 70-80-12/AI | 70,00 | 80,00 | 13,00 |

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TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTS
# TTS/L
# TTS/L-AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTS 720 | 70-82-9 | 70,00 | 82,00 | 10,00 |
| TTS 721 | 70-85-11,5/L | 70,00 | 85,00 | 12,50 |
| TTS 722 | 70-85-12/L-AI | 70,00 | 85,00 | 13,00 |
| TTS 723 | 70-90-12/L-AI | 70,00 | 90,00 | 13,00 |
| TTS 724 | 70-90-13,5/L-AI | 70,00 | 90,00 | 14,50 |
| TTS 725 | 72-78-6 | 72,00 | 78,00 | 7,00 |
| TTS 725/1 | 72-80-8/L | 72,00 | 80,00 | 8,70 |
| TTS 726 | 73-82,4-7/L | 73,00 | 82,40 | 8,00 |
| TTS 726/1 | 75-83-5,8/L | 75,00 | 83,00 | 6,30 |
| TTS 726/2 | 75-83-7/L | 75,00 | 83,00 | 8,00 |
| TTS 727 | 75-83-8/L | 75,00 | 83,00 | 9,00 |
| TTS 727/1 | 75-83-11,5/L | 75,00 | 83,00 | 12,50 |
| TTS 728 | 75-85-7,2 | 75,00 | 85,00 | 8,00 |
| TTS 729 | 75-85-7/L | 75,00 | 85,00 | 8,00 |
| TTS 729/1 | 75-85-7/AI | 75,00 | 85,00 | 8,00 |
| TTS 730 | 75-85-12 | 75,00 | 85,00 | 13,00 |
| TTS 731 | 75-85-12/L | 75,00 | 85,00 | 13,00 |
| TTS 732 | 75-85-12/L-AI | 75,00 | 85,00 | 13,00 |
| TTS 732/1 | 75-88-13/L-AI | 75,00 | 88,00 | 14,00 |
| TTS 733 | 75-90-10,5/L | 75,00 | 90,00 | 11,50 |
| TTS 734 | 75-90-12/L-AI | 75,00 | 90,00 | 13,00 |
| TTS 735 | 75-95-13,5/L-AI | 75,00 | 95,00 | 14,50 |
| TTS 736 | 76-84-8 | 76,00 | 84,00 | 9,00 |
| TTS 737 | 76-84-8/L | 76,00 | 84,00 | 9,00 |
| TTS 737/1 | 76-85,3-8/L | 76,00 | 85,30 | 8,70 |
| TTS 738 | 76,2-88,9-9,5/L | 76,20 | 88,90 | 10,50 |
| TTS 739 | 76,2-91,2-12/L | 76,20 | 91,20 | 13,00 |
| TTS 740 | 78-86-13/L | 78,00 | 86,00 | 14,00 |
| TTS 741 | 78-93-10,5 | 78,00 | 93,00 | 11,50 |
| TTS 741/1 | 79-87,7-8/L | 79,00 | 87,70 | 9,00 |
| TTS 742 | 79,4-88,9-9,5/L | 79,40 | 88,90 | 10,50 |
| TTS 742/1 | 80-88-8/L | 80,00 | 88,00 | 9,00 |
| TTS 743 | 80-88-9/L-AI | 80,00 | 88,00 | 10,00 |
| TTS 743/1 | 80-88-11,5/L | 80,00 | 88,00 | 12,50 |
| TTS 743/2 | 80-89,5-11,5/L | 80,00 | 89,50 | 12,50 |
| TTS 744 | 80-90-7,2 | 80,00 | 90,00 | 8,00 |
| TTS 744/1 | 80-90-7,2/L | 80,00 | 90,00 | 8,00 |
| TTS 745 | 80-90-12 | 80,00 | 90,00 | 13,00 |
| TTS 746 | 80-90-12/L | 80,00 | 90,00 | 13,00 |
| TTS 747 | 80-90-14 | 80,00 | 90,00 | 15,00 |
| TTS 748 | 80-92-9/L | 80,00 | 92,00 | 9,60 |
| TTS 748/1 | 80-93-13/L-AI | 80,00 | 93,00 | 14,00 |
| TTS 748/2 | 80-92-9 | 80,00 | 92,00 | 9,60 |
| TTS 749 | 80-95-11/L | 80,00 | 95,00 | 12,00 |
| TTS 750 | 80-95-11,5/L | 80,00 | 95,00 | 12,50 |
| TTS 751 | 80-95-11,5/L-AI | 80,00 | 95,00 | 12,50 |
| TTS 752 | 80-96-9,5/L | 80,00 | 96,00 | 10,50 |
| TTS 753 | 80-96-9,5/L-AI | 80,00 | 96,00 | 10,50 |
| TTS 754 | 80-100-11,5/L-AI | 80,00 | 100,00 | 12,50 |
| TTS 754/1 | 80-100-12/L | 80,00 | 100,00 | 13,00 |
| TTS 755 | 80-100-13,5/L | 80,00 | 100,00 | 14,50 |
| TTS 755/1 | 80-100-13,5/L-AI | 80,00 | 100,00 | 14,50 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTS
# TTS/L
# TTS/L-AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTS 756 | 82,5-97,5-12/L | 82,50 | 97,50 | 13,00 |
| TTS 756/1 | 83-98-12/L | 83,00 | 98,00 | 13,00 |
| TTS 756/2 | 85-93-8 | 85,00 | 93,00 | 9,00 |
| TTS 757 | 85-95-7 | 85,00 | 95,00 | 8,00 |
| TTS 757/2 | 85-95-7/AI | 85,00 | 95,00 | 8,00 |
| TTS 757/1 | 85-95-12/L | 85,00 | 95,00 | 13,00 |
| TTS 758 | 85-97-8,5 | 85,00 | 97,00 | 9,50 |
| TTS 758/1 | 85-100-13/L-AI | 85,00 | 100,00 | 14,00 |
| TTS 759 | 85-105-12/L-AI | 85,00 | 105,00 | 13,00 |
| TTS 759/1 | 85-105-12/L | 85,00 | 105,00 | 13,00 |
| TTS 760 | 85-105-13,5/L | 85,00 | 105,00 | 14,50 |
| TTS 760/1 | 85,5-97,5-12/L | 85,50 | 97,50 | 13,00 |
| TTS 760/2 | 85,7-111,1-14 | 85,70 | 111,10 | 15,00 |
| TTS 761 | 86-92-6 | 86,00 | 92,00 | 7,00 |
| TTS 762 | 86-101-12/L | 86,00 | 101,00 | 13,00 |
| TTS 763 | 88-96-8 | 88,00 | 96,00 | 9,00 |
| TTS 764 | 88-96-8/L | 88,00 | 96,00 | 9,00 |
| TTS 764/1 | 88-97,3-8/L | 88,00 | 97,30 | 8,70 |
| TTS 765 | 88,9-101,6-9,5/L | 88,90 | 101,60 | 10,50 |
| TTS 766 | 90-96-4,8 | 90,00 | 96,00 | 5,50 |
| TTS 766/1 | 90-98-5,8 | 90,00 | 98,00 | 6,30 |
| TTS 766/2 | 90-98-8/L | 90,00 | 98,00 | 9,00 |
| TTS 766/4 | 90-98-7/L | 90,00 | 98,00 | 8,00 |
| TTS 766/5 | 90-100-6,5 | 90,00 | 100,00 | 7,50 |
| TTS 766/3 | 90-100-12/L | 90,00 | 100,00 | 13,00 |
| TTS 766/6 | 90-100-12 | 90,00 | 100,00 | 13,00 |
| TTS 767/1 | 90-100-14/L-AI | 90,00 | 100,00 | 15,00 |
| TTS 767 | 90-102-9/L | 90,00 | 102,00 | 10,00 |
| TTS 768 | 90-105-8,5/L-AI | 90,00 | 105,00 | 9,50 |
| TTS 769 | 90-105-11,5/L | 90,00 | 105,00 | 12,00 |
| TTS 769/1 | 90-105-13/L-AI | 90,00 | 105,00 | 14,00 |
| TTS 770 | 90-105-12/L-AI | 90,00 | 105,00 | 13,00 |
| TTS 771 | 90-110-11,5/L-AI | 90,00 | 110,00 | 12,50 |
| TTS 772 | 90-110-12/L-AI | 90,00 | 110,00 | 13,00 |
| TTS 773 | 90-110-14/L | 90,00 | 110,00 | 15,00 |
| TTS 774 | 91-99-8 | 91,00 | 99,00 | 9,00 |
| TTS 775 | 91-99-8/L | 91,00 | 99,00 | 9,00 |
| TTS 775/1 | 92-101,3-8/L | 92,00 | 101,30 | 8,70 |
| TTS 776 | 95-103-11,5/L | 95,00 | 103,00 | 12,50 |
| TTS 776/1 | 95-110-13/L-AI | 95,00 | 110,00 | 14,00 |
| TTS 777 | 95-112-11,5 | 95,00 | 112,00 | 12,50 |
| TTS 778 | 95-115-13,5/L-AI | 95,00 | 115,00 | 14,50 |
| TTS 779 | 97-105-13/L | 97,00 | 105,00 | 14,00 |
| TTS 779/1 | 98-106,7-8/L | 98,00 | 106,70 | 9,00 |
| TTS 779/2 | 98-107,5-11,5/L | 98,00 | 107,50 | 12,50 |
| TTS 779/3 | 100-108-8/L | 100,00 | 108,00 | 8,50 |
| TTS 779/4 | 100-108-11,5 | 100,00 | 108,00 | 12,50 |
| TTS 779/5 | 100-110-11,5/L | 100,00 | 110,00 | 12,50 |
| TTS 780 | 100-110-12,5/L-AI | 100,00 | 110,00 | 13,50 |
| TTS 780/2 | 100-110-12/L | 100,00 | 110,00 | 13,00 |
| TTS 780/1 | 100-112-14/L | 100,00 | 112,00 | 15,00 |
| TTS 781 | 100-113-12,5/L-AI | 100,00 | 113,00 | 13,50 |

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TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTS
# TTS/L
# TTS/L-AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTS 782 | 100-115-12/L | 100,00 | 115,00 | 13,00 |
| TTS 782/1 | 100-120-11,5/L | 100,00 | 120,00 | 12,50 |
| TTS 782/3 | 101,6-114,3-9,5/L | 101,60 | 114,30 | 10,50 |
| TTS 782/2 | 105-113-7/L | 105,00 | 113,00 | 8,00 |
| TTS 783 | 100-120-13,5/L-AI | 100,00 | 120,00 | 14,50 |
| TTS 783/1 | 105-113-5,8 | 105,00 | 113,00 | 6,30 |
| TTS 783/2 | 105-113-8/L | 105,00 | 113,00 | 9,00 |
| TTS 783/3 | 105-120-11 | 105,00 | 120,00 | 12,00 |
| TTS 783/4 | 105-120-11/L | 105,00 | 120,00 | 12,00 |
| TTS 784 | 105-125-12/L-AI | 105,00 | 125,00 | 13,00 |
| TTS 785 | 107-115-8 | 107,00 | 115,00 | 9,00 |
| TTS 786 | 107-115-8/L | 107,00 | 115,00 | 9,00 |
| TTS 786/1 | 107-116,3-8/L | 107,00 | 116,30 | 8,70 |
| TTS 787 | 108-116-8/L | 108,00 | 116,00 | 9,00 |
| TTS 787/1 | 108-117-8/L | 108,00 | 117,00 | 8,70 |
| TTS 787/2 | 108-123-12/L | 108,00 | 123,00 | 13,00 |
| TTS 787/3 | 110-118-8/L | 110,00 | 118,00 | 9,00 |
| TTS 788 | 110-120-13,5/L-AI | 110,00 | 120,00 | 14,50 |
| TTS 789 | 110-120-11,5/L | 110,00 | 120,00 | 12,50 |
| TTS 790 | 110-125-11,3/L | 110,00 | 125,00 | 12,00 |
| TTS 791 | 110-130-12/L-AI | 110,00 | 130,00 | 13,00 |
| TTS 792 | 112-127-12/L | 112,00 | 127,00 | 13,00 |
| TTS 792/1 | 114-130-20/L-AI | 114,00 | 130,00 | 21,00 |
| TTS 792/2 | 114,3-127-9,5/L | 114,30 | 127,90 | 10,50 |
| TTS 793 | 115-123-11,5/L | 115,00 | 123,00 | 12,50 |
| TTS 793/1 | 115-130-11 | 115,00 | 130,00 | 12,00 |
| TTS 793/3 | 115-130-11/L-AI | 115,00 | 130,00 | 12,00 |
| TTS 793/2 | 115-130-15/L-AI | 115,00 | 130,00 | 16,00 |
| TTS 794 | 115-130-16/L-AI | 115,00 | 130,00 | 17,00 |
| TTS 794/1 | 116-124,7-8/L | 116,00 | 124,70 | 9,00 |
| TTS 794/2 | 116-125,5-11,5/L | 116,00 | 125,50 | 12,50 |
| TTS 795 | 118-126-13/L | 118,00 | 126,00 | 14,00 |
| TTS 795/1 | 120-128-5,8 | 120,00 | 128,00 | 6,30 |
| TTS 795/2 | 120-128-8/L | 120,00 | 128,00 | 9,00 |
| TTS 795/3 | 120-128-7/L | 120,00 | 128,00 | 8,00 |
| TTS 796 | 120-135-15 | 120,00 | 135,00 | 16,00 |
| TTS 797 | 120-140-11,5/L-AI | 120,00 | 140,00 | 12,50 |
| TTS 797/1 | 125-133-11,5 | 125,00 | 133,00 | 12,50 |
| TTS 797/2 | 125-133-6,5/L | 125,00 | 133,00 | 7,50 |
| TTS 798 | 126-134-8 | 126,00 | 134,00 | 9,00 |
| TTS 799 | 126-134-8/L | 126,00 | 134,00 | 9,00 |
| TTS 799/1 | 126-135,3-8/L | 126,00 | 135,30 | 8,70 |
| TTS 799/2 | 127-152,4-14 | 127,00 | 152,40 | 15,00 |
| TTS 800 | 127-140-12,5/L-AI | 127,00 | 140,00 | 13,50 |
| TTS 800/3 | 129-137-8/L | 129,00 | 137,00 | 9,00 |
| TTS 800/1 | 130-140-7/AI | 130,00 | 140,00 | 8,00 |
| TTS 800/2 | 130-145-11 | 130,00 | 145,00 | 12,00 |
| TTS 801 | 130-145-15/L | 130,00 | 145,00 | 16,00 |
| TTS 801/1 | 130-150-15 | 130,00 | 150,00 | 16,00 |
| TTS 801/2 | 130-150-15/L | 130,00 | 150,00 | 16,00 |
| TTS 802 | 130-155-15/L | 130,00 | 155,00 | 16,00 |
| TTS 802/1 | 135-143,7-8/L | 135,00 | 143,70 | 9,00 |

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Suministros Industriales y Servicios

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

# TTS
# TTS/L
# TTS/L-AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTS 802/2 | 135-143-11,5/L | 135,00 | 143,00 | 12,50 |
| TTS 802/3 | 135-144,5-11,5/L | 135,00 | 144,50 | 12,50 |
| TTS 802/4 | 135-150-11 | 135,00 | 150,00 | 12,00 |
| TTS 803 | 137-152-12/L | 137,00 | 152,00 | 13,00 |
| TTS 803/2 | 140-148-7/L | 140,00 | 148,00 | 8,00 |
| TTS 803/1 | 140-155-11 | 140,00 | 155,00 | 12,00 |
| TTS 804 | 140-155,5-5,8 | 140,00 | 155,50 | 6,30 |
| TTS 805 | 140-160-14/L-AI | 140,00 | 160,00 | 15,00 |
| TTS 805/1 | 140-160-14/L | 140,00 | 160,00 | 15,00 |
| TTS 806 | 140-165-18/L-AI | 140,00 | 165,00 | 19,00 |
| TTS 807 | 143-151-13/L | 143,00 | 151,00 | 14,00 |
| TTS 808 | 145-153-8 | 145,00 | 153,00 | 9,00 |
| TTS 809 | 145-153-8/L | 145,00 | 153,00 | 9,00 |
| TTS 809/1 | 145-154,3-8/L | 145,00 | 154,30 | 8,70 |
| TTS 809/2 | 145-157,7-9/AI | 145,00 | 157,70 | 10,00 |
| TTS 809/3 | 145-160-15/L-AI | 145,00 | 160,00 | 16,00 |
| TTS 810 | 146-156-10/L | 146,00 | 156,00 | 11,00 |
| TTS 810/9 | 150-158-11,5 | 150,00 | 158,00 | 12,50 |
| TTS 810/10 | 150-160-12,5/L | 150,00 | 160,00 | 13,50 |
| TTS 810/1 | 150-170-13,5/AI | 150,00 | 170,00 | 14,50 |
| TTS 810/11 | 151-159-8/L | 151,00 | 159,00 | 9,00 |
| TTS 810/7 | 152,4-177,8-14 | 152,40 | 177,80 | 15,00 |
| TTS 810/6 | 152,4-188,8-14 | 152,40 | 188,80 | 15,00 |
| TTS 810/2 | 154-162,7-8/L | 154,00 | 162,70 | 9,00 |
| TTS 810/8 | 154,5-164-11,5/L | 154,50 | 164,00 | 12,50 |
| TTS 810/3 | 155-163-11,5/L | 155,00 | 163,00 | 12,50 |
| TTS 810/4 | 155-170-11 | 155,00 | 170,00 | 12,00 |
| TTS 810/5 | 160-180-15 | 160,00 | 180,00 | 16,00 |
| TTS 811 | 160-185-18/L-AI | 160,00 | 185,00 | 19,00 |
| TTS 812 | 163-178-12/L | 163,00 | 178,00 | 13,00 |
| TTS 812/1 | 165-174,3-8/L | 165,00 | 174,30 | 8,70 |
| TTS 813/1 | 165-180-11 | 165,00 | 180,00 | 12,00 |
| TTS 813/2 | 165-173-11,5/L | 165,00 | 173,00 | 12,50 |
| TTS 813 | 165-173-22 | 165,00 | 173,00 | 23,00 |
| TTS 814 | 165,5-173-9/L | 165,50 | 173,00 | 10,00 |
| TTS 814/2 | 166-174-11/L | 166,00 | 174,00 | 12,00 |
| TTS 814/1 | 167-176,3-8 | 167,00 | 176,30 | 8,70 |
| TTS 815 | 170-180-10/L | 170,00 | 180,00 | 11,00 |
| TTS 815/4 | 170-182,7-9/L | 170,00 | 182,70 | 10,00 |
| TTS 815/1 | 174-182,7-8/L | 174,00 | 182,70 | 9,00 |
| TTS 815/5 | 175-184,5-11,5/L | 175,00 | 184,50 | 12,50 |
| TTS 815/2 | 175-185-12/L | 175,00 | 184,50 | 13,00 |
| TTS 815/6 | 180-188-11,5 | 180,00 | 188,00 | 12,50 |
| TTS 815/7 | 180-190-12,5/L | 180,00 | 190,00 | 13,50 |
| TTS 815/3 | 187-196,3-8/L | 187,00 | 196,30 | 8,70 |
| TTS 816/2 | 187-196,5-11,5/L | 187,00 | 196,50 | 12,50 |
| TTS 816 | 188-203-12/L | 188,00 | 203,00 | 13,00 |
| TTS 816/3 | 195-210-15/L-AI | 195,00 | 210,00 | 16,00 |
| TTS 816/5 | 195-201-15/L-AI | 195,00 | 201,00 | 16,00 |
| TTS 816/1 | 196-204,7-8/L | 196,00 | 204,70 | 9,00 |
| TTS 816/4 | 197-206,5-11,5/L | 197,00 | 206,50 | 12,50 |
| TTS 817 | 197-209-12/L | 197,00 | 209,00 | 13,00 |

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TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTS
# TTS/L
# TTS/L-AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTS 817/8 | 200-220-14/L-AI | 200,00 | 220,00 | 15,00 |
| TTS 817/3 | 200-220-15 | 200,00 | 220,00 | 16,00 |
| TTS 817/5 | 210-219,3-8/L | 210,00 | 219,30 | 8,70 |
| TTS 817/7 | 210-219,5-11,5 | 210,00 | 219,50 | 12,50 |
| TTS 817/4 | 220-240-15 | 220,00 | 240,00 | 16,00 |
| TTS 817/1 | 221,5-230,2-11/L | 221,50 | 230,20 | 12,00 |
| TTS 817/2 | 222-234-12/L | 222,00 | 234,00 | 13,00 |
| TTS 817/6 | 225-240-11 | 225,00 | 240,00 | 12,00 |
| TTS 818 | 228-240-12/L | 228,00 | 240,00 | 13,00 |
| TTS 818/2 | 230-250-15 | 230,00 | 250,00 | 16,00 |
| TTS 818/3 | 230-255-18,5 | 230,00 | 255,00 | 19,50 |
| TTS 818/9 | 236-245,3-8/L | 236,00 | 245,30 | 8,70 |
| TTS 818/10 | 236-245,5-11,5/L | 236,00 | 245,50 | 12,50 |
| TTS 818/4 | 240-260-15 | 240,00 | 260,00 | 16,00 |
| TTS 818/5 | 249-257,7-12/L | 249,00 | 257,70 | 13,00 |
| TTS 818/11 | 250-270-15 | 250,00 | 270,00 | 16,00 |
| TTS 818/6 | 250-275-18,5 | 250,00 | 275,00 | 19,50 |
| TTS 818/7 | 255-280-18,5 | 255,00 | 280,00 | 19,50 |
| TTS 818/13 | 265-274,3-8/L | 265,00 | 274,30 | 8,70 |
| TTS 818/12 | 265-275,5-11,5/L | 265,00 | 275,50 | 12,50 |
| TTS 818/8 | 275-300-18,5 | 275,00 | 300,00 | 19,50 |
| TTS 818/14 | 275-300-18,5-AI | 275,00 | 300,00 | 19,50 |
| TTS 818/1 | 279-287,7-12 | 279,00 | 287,70 | 13,00 |
| TTS 819/1 | 280-305-18,5 | 280,00 | 305,00 | 19,50 |
| TTS 819 | 300-325-24/L | 300,00 | 325,00 | 25,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*



JUNTAS BESMA, S.A.

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Suministros Industriales y Servicios

# TTI
# TTI/L
# TTI/L-AI

**Juntas** de VÁSTAGO
ROD **seals**

TECNOLAN



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Suministros Industriales y Servicios

| Versión standar | *Standard version* |
|---|---|
| TTI TTI/L Poliuretano<br>TTI/AI TTI/L AI Poliuretano +POM | *TTI TTI/L Polyurethane*<br>*TTI/AI TTI/L AI Polyurethane+POM* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| Poliuretano Baja temperatura | *Low Temperature Polyurethane* |

| **Presión hasta / *Pressure up to*** |
|---|
| 40 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -35°C +100°C | -45°C +110°C PN 522 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos | *Hydraulic Cylinders* |
| Cilindros telescópicos | *Telescopic Cylinders* |
| Cilindros de grúa | *Truck crane Cylinders* |
| Vehículos hidráulicos | *Tail Lifts* |
| Cilindros para agricultura | *Agricultural Cylinders* |
| Prensas de inyección | *Injection moulding machines* |

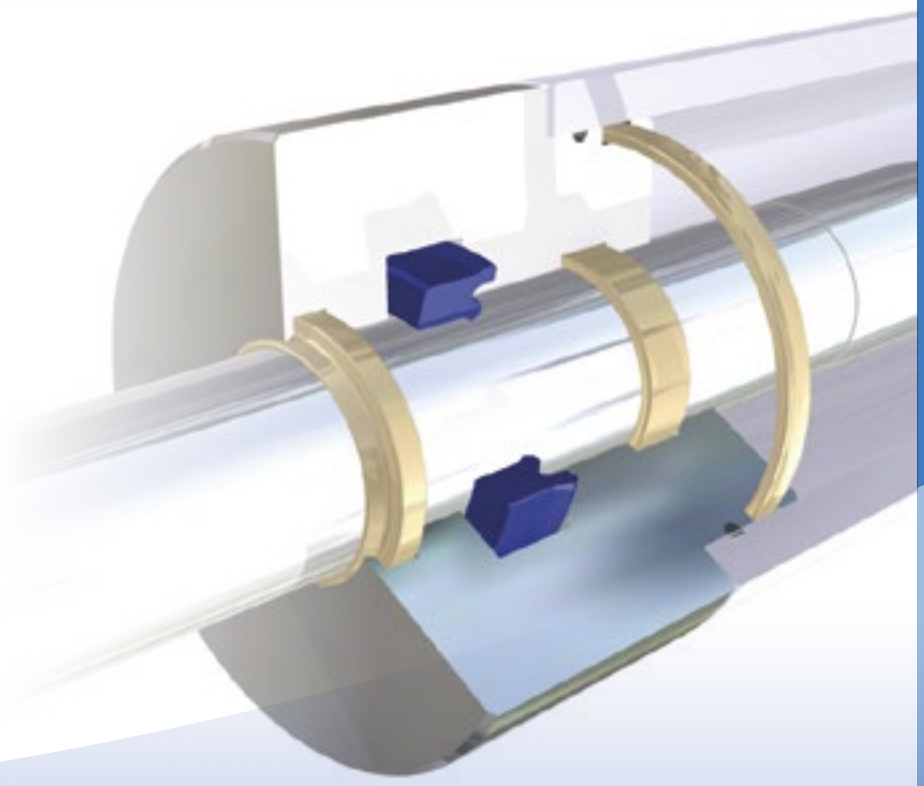


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TTI • TTI/L • TTI/L-AI

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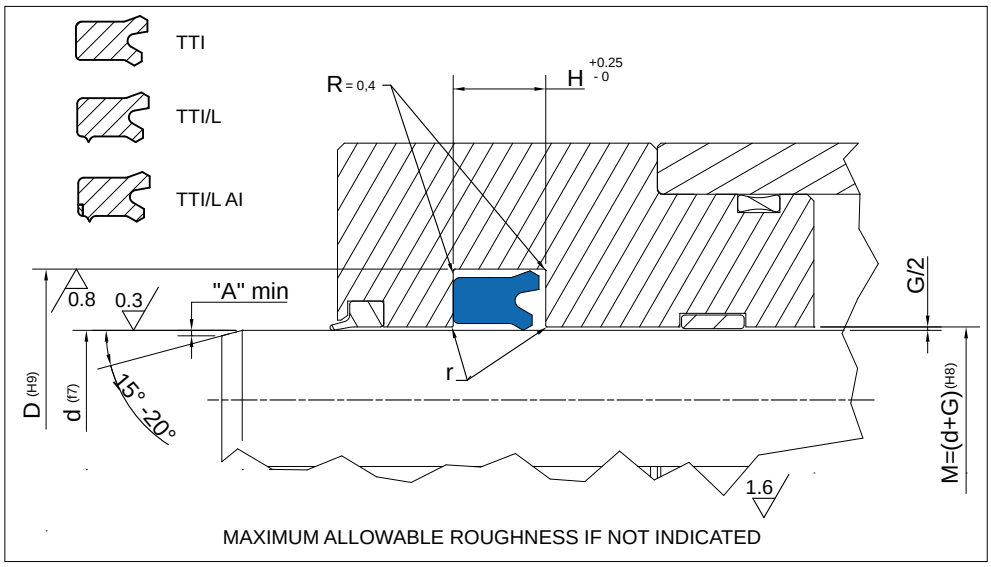
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Suministros Industriales y Servicios



TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI



MAXIMUM ALLOWABLE ROUGHNESS IF NOT INDICATED



**Rod Seal design guidelines**

| | 0mm < d ≤ 50mm | 50mm < d ≤ 100mm | 100mm < d ≤ 150mm | d ≥ 150mm |
|---|---|---|---|---|
| r | remove sharp edges | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | Operating pressure to determinate Maximum Gap Allowance: G/2 | | | | |
|---|---|---|---|---|---|
| G | Profile Dimension | > 16 MPa | > 26 MPa | > 32 MPa | > 40 MPa |
| | ≤ 5 | 0.50 mm | 0.40 mm | 0.35 mm | |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm | 0.40 mm | 0.35 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm | 0.45 mm | 0.40 mm |
| | 15 | 0.65 mm | 0.55 mm | 0.45 mm | 0.40 mm |

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1501 | 6-12/1 | 6,00 | 12,00 | 5,80 |
| TTI 1502 | 6-14 | 6,00 | 14,00 | 6,30 |
| TTI 1503 | 8-14,4/1 | 8,00 | 14,40 | 10,50 |
| TTI 1504 | 8-14 | 8,00 | 14,00 | 3,20 |
| TTI 1504/1 | 8-14/L | 8,00 | 14,00 | 6,00 |
| TTI 1504/2 | 8-16/1 | 8,00 | 16,00 | 5,00 |
| TTI 1505 | 8-16/L | 8,00 | 16,00 | 6,30 |
| **TTI 1506** | **8-18/1** | 8,00 | 18,00 | 9,00 |
| **TTI 1507** | **10-18** | 10,00 | 18,00 | 6,30 |
| **TTI 1508** | **10-20** | 10,00 | 20,00 | 8,00 |
| **TTI 1509** | **10-20/1** | 10,00 | 20,00 | 9,00 |
| **TTI 1509/3** | **11-16** | 11,00 | 16,00 | 4,00 |
| **TTI 1509/2** | **12-17/L** | 12,00 | 17,00 | 4,50 |
| **TTI 1509/1** | **12-18** | 12,00 | 18,00 | 4,50 |
| **TTI 1510** | **12-20** | 12,00 | 20,00 | 6,40 |
| **TTI 1510/1** | **12-22/2** | 12,00 | 22,00 | 5,00 |
| **TTI 1511** | **12-22** | 12,00 | 22,00 | 8,00 |
| **TTI 1512** | **12-22/1** | 12,00 | 22,00 | 9,00 |
| **TTI 1512/1** | **14-21** | 14,00 | 21,00 | 5,80 |
| **TTI 1512/2** | **14,5-20** | 14,50 | 20,00 | 4,00 |
| **TTI 1513** | **14-22** | 14,00 | 22,00 | 6,30 |
| **TTI 1514** | **14-24** | 14,00 | 24,00 | 8,00 |
| **TTI 1514/1** | **14-24/1** | 14,00 | 24,00 | 6,30 |
| **TTI 1515** | **14-24/L** | 14,00 | 24,00 | 8,00 |
| **TTI 1516** | **14-24/2** | 14,00 | 24,00 | 9,00 |
| **TTI 1516/1** | **15-23/L** | 15,00 | 23,00 | 6,30 |
| **TTI 1517** | **15-23** | 15,00 | 23,00 | 6,30 |

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Suministros Industriales y Servicios

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*For dimensions not listed, Please contact us.*

TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1517/1 | 15-23/1 | 15,00 | 23,00 | 5,00 |
| TTI 1518 | 15-25/1 | 15,00 | 25,00 | 9,00 |
| TTI 1519 | 15-26/L | 15,00 | 26,00 | 8,00 |
| TTI 1520 | 15,4-25,5/L | 15,40 | 25,50 | 7,40 |
| TTI 1521 | 16-20,6 | 16,00 | 20,60 | 3,60 |
| TTI 1521/1 | 16-22 | 16,00 | 22,00 | 6,00 |
| TTI 1521/2 | 16-22/1 | 16,00 | 22,00 | 4,00 |
| TTI 1522 | 16-24 | 16,00 | 24,00 | 6,30 |
| TTI 1522/1 | 16-24/L | 16,00 | 24,00 | 6,30 |
| TTI 1523 | 16-24/1 | 16,00 | 24,00 | 7,00 |
| TTI 1523/1 | 16-24/1-L | 16,00 | 24,00 | 7,00 |
| TTI 1524 | 16-26 | 16,00 | 26,00 | 8,00 |
| TTI 1525 | 16-26/1 | 16,00 | 26,00 | 9,00 |
| TTI 1526 | 16-26/2 | 16,00 | 26,00 | 10,00 |
| TTI 1527 | 18-24 | 18,00 | 24,00 | 5,20 |
| TTI 1527/1 | 18-25/L | 18,00 | 25,00 | 6,00 |
| TTI 1527/2 | 18-26 | 18,00 | 26,00 | 5,70 |
| TTI 1528 | 18-26/2 | 18,00 | 26,00 | 6,30 |
| TTI 1529 | 18-26/1-L | 18,00 | 26,00 | 7,00 |
| TTI 1530 | 18-26/1 | 18,00 | 26,00 | 9,00 |
| TTI 1531 | 18-26/2-L | 18,00 | 26,00 | 9,00 |
| TTI 1532 | 18-28 | 18,00 | 28,00 | 8,00 |
| TTI 1533 | 18-28/1 | 18,00 | 28,00 | 9,00 |
| TTI 1533/1 | 19,5-25,4 | 19,50 | 25,40 | 6,30 |
| TTI 1534 | 19,5-27,5/L | 19,50 | 27,50 | 9,00 |
| TTI 1534/1 | 20-25/L | 20,00 | 25,00 | 3,50 |
| TTI 1535 | 20-26/1 | 20,00 | 26,00 | 5,50 |
| TTI 1535/1 | 20-26/L | 20,00 | 26,00 | 5,50 |
| TTI 1536 | 20-28 | 20,00 | 28,00 | 6,30 |
| TTI 1537 | 20-28/1 | 20,00 | 28,00 | 7,00 |
| TTI 1537/1 | 20-28/AI | 20,00 | 28,00 | 6,30 |
| TTI 1537/2 | 20-28/L | 20,00 | 28,00 | 7,00 |
| TTI 1537/3 | 20-28/1-AI | 20,00 | 28,00 | 8,00 |
| TTI 1538 | 20-28/2 | 20,00 | 28,00 | 8,00 |
| TTI 1539 | 20-30 | 20,00 | 30,00 | 8,00 |
| TTI 1539/1 | 20-30-L | 20,00 | 30,00 | 8,00 |
| TTI 1540 | 20-30/2 | 20,00 | 30,00 | 9,00 |
| TTI 1540/1 | 20-30/3-L | 20,00 | 30,00 | 9,00 |
| TTI 1541 | 20-30/1 | 20,00 | 30,00 | 11,00 |
| TTI 1542 | 20-35 | 20,00 | 35,00 | 11,00 |
| TTI 1542/1 | 20,5-30 | 20,50 | 30,00 | 5,70 |
| TTI 1543 | 22-30 | 22,00 | 30,00 | 6,30 |
| TTI 1544 | 22-30/L | 22,00 | 30,00 | 6,30 |
| TTI 1544/1 | 22-32 | 22,00 | 32,00 | 6,00 |
| TTS 1544/2 | 22-32/1 | 22,00 | 32,00 | 7,50 |
| TTI 1545 | 22-32/4 | 22,00 | 32,00 | 8,00 |
| TTI 1546 | 22-32/2 | 22,00 | 32,00 | 9,00 |
| TTI 1546/1 | 22-32/L | 22,00 | 32,00 | 9,00 |
| TTI 1547 | 22-32/3 | 22,00 | 32,00 | 11,00 |
| TTI 1547/1 | 22-32/3-L | 22,00 | 32,00 | 11,00 |
| TTI 1548 | 24-34 | 24,00 | 34,00 | 8,00 |
| TTI 1549 | 24-34/1 | 24,00 | 34,00 | 9,50 |

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Suministros Industriales y Servicios



TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| **TTI 1549/1** | 25-32/L | 25,00 | 32,00 | 7,00 |
| **TTI 1549/2** | 25-31,4/L | 25,00 | 31,40 | 9,00 |
| **TTI 1550** | 25-33 | 25,00 | 33,00 | 6,30 |
| **TTI 1550/1** | 25-33/L | 25,00 | 33,00 | 6,30 |
| **TTI 1551** | 25-33/3 | 25,00 | 33,00 | 7,00 |
| **TTI 1552** | 25-33/3-L | 25,00 | 33,00 | 7,00 |
| **TTI 1553** | 25-33/1-L | 25,00 | 33,00 | 7,50 |
| **TTI 1553/1** | 25-33/1 | 25,00 | 33,00 | 7,50 |
| **TTI 1554** | 25-33/5 | 25,00 | 33,00 | 8,00 |
| **TTI 1555** | 25-33/5-L | 25,00 | 33,00 | 8,00 |
| **TTI 1555/1** | 25-33/4-L | 25,00 | 33,00 | 9,00 |
| **TTI 1555/2** | 25-33/4 | 25,00 | 33,00 | 9,00 |
| **TTI 1556** | 25-33/2 | 25,00 | 33,00 | 11,00 |
| **TTI 1556/1** | 25-33/2-L | 25,00 | 33,00 | 11,00 |
| **TTI 1557** | 25-35 | 25,00 | 35,00 | 8,00 |
| **TTI 1557/2** | 25-35/1-L | 25,00 | 35,00 | 8,00 |
| **TTI 1557/1** | 25-35/L | 25,00 | 35,00 | 9,00 |
| **TTI 1558** | 25-35/2 | 25,00 | 35,00 | 9,00 |
| **TTI 1558/1** | 25-35/3-L | 25,00 | 35,00 | 11,00 |
| **TTI 1559** | 25-35/1 | 25,00 | 35,00 | 11,00 |
| **TTI 1560** | 25-38/1 | 25,00 | 38,00 | 10,00 |
| **TTI 1561** | 25-40 | 25,00 | 40,00 | 11,00 |
| **TTI 1561/1** | 26-33,5 | 26,00 | 33,50 | 5,00 |
| **TTI 1562** | 28-36 | 28,00 | 36,00 | 6,30 |
| **TTI 1563** | 28-38 | 28,00 | 38,00 | 8,00 |
| **TTI 1563/1** | 28-38/L | 28,00 | 38,00 | 8,00 |
| **TTI 1564** | 28-38/1-L | 28,00 | 38,00 | 8,50 |
| **TTI 1565** | 28-38/1 | 28,00 | 38,00 | 9,00 |
| **TTI 1566** | 28-38/2 | 28,00 | 38,00 | 11,00 |
| **TTI 1567** | 28-40 | 28,00 | 40,00 | 9,50 |
| **TTI 1568** | 28-43 | 28,00 | 43,00 | 12,50 |
| **TTI 1568/1** | 28,57-36,50/L | 28,57 | 36,50 | 7,50 |
| **TTI 1569** | 30-38 | 30,00 | 38,00 | 6,30 |
| **TTI 1569/1** | 30-38/L | 30,00 | 38,00 | 6,30 |
| **TTI 1569/2** | 30-38/1-L | 30,00 | 38,00 | 9,00 |
| **TTI 1570** | 30-38/1 | 30,00 | 38,00 | 9,00 |
| **TTI 1570/1** | 30-38/2 | 30,00 | 38,00 | 7,00 |
| **TTI 1570/2** | 30-38/2-AI | 30,00 | 38,00 | 7,00 |
| **TTI 1570/3** | 30-38/3 | 30,00 | 38,00 | 8,00 |
| **TTI 1571** | 30-40/3 | 30,00 | 40,00 | 6,30 |
| **TTI 1571/1** | 30-40/2-L | 30,00 | 40,00 | 7,00 |
| **TTI 1572** | 30-40/1-L | 30,00 | 40,00 | 7,50 |
| **TTI 1572/1** | 30-40/AI | 30,00 | 40,00 | 7,50 |
| **TTI 1573** | 30-40 | 30,00 | 40,00 | 8,00 |
| **TTI 1573/1** | 30-40 | 30,00 | 40,00 | 9,00 |
| **TTI 1573/1** | 30-40/5 | 30,00 | 40,00 | 9,00 |
| **TTI 1574** | 30-40/L | 30,00 | 40,00 | 8,00 |
| **TTI 1574/1** | 30-40/5-L | 30,00 | 40,00 | 9,00 |
| **TTI 1575** | 30-40/2 | 30,00 | 40,00 | 10,50 |
| **TTI 1576** | 30-40/1 | 30,00 | 40,00 | 11,00 |
| **TTI 1576/1** | 30-40/3-L | 30,00 | 40,00 | 11,00 |
| **TTI 1577** | 30-43 | 30,00 | 43,00 | 10,00 |

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Suministros Industriales y Servicios

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TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1578 | 30-45/1 | 30,00 | 45,00 | 9,00 |
| TTI 1579 | 30-45 | 30,00 | 45,00 | 11,00 |
| TTI 1579/1 | 30-45/2-L | 30,00 | 45,00 | 11,00 |
| TTI 1579/2 | 31,75-41,27/L | 31,75 | 41,27 | 7,50 |
| TTI 1580 | 32-40 | 32,00 | 40,00 | 6,30 |
| TTI 1580/1 | 32-40/2 | 32,00 | 40,00 | 5,00 |
| TTI 1580/2 | 32-40/2-L | 32,00 | 40,00 | 8,00 |
| TTI 1581 | 32-40/L | 32,00 | 40,00 | 7,70 |
| TTI 1581/1 | 32-40/1-L | 32,00 | 40,00 | 8,00 |
| TTI 1582 | 32-40/1 | 32,00 | 40,00 | 9,00 |
| TTI 1583 | 32-41,5/L | 32,00 | 41,50 | 8,00 |
| TTI 1584 | 32-42 | 32,00 | 42,00 | 8,00 |
| TTI 1585 | 32-42/1 | 32,00 | 42,00 | 11,00 |
| TTI 1586 | 32-42,5/1 | 32,00 | 42,53 | 9,00 |
| TTI 1587 | 32-45/1 | 32,00 | 45,00 | 10,50 |
| TTI 1588 | 32-47/1 | 32,00 | 47,00 | 11,00 |
| TTI 1589 | 33-43 | 33,00 | 43,00 | 11,00 |
| TTI 1590 | 35-43 | 35,00 | 43,00 | 6,30 |
| TTI 1591 | 35-43/L | 35,00 | 43,00 | 8,00 |
| TTI 1592 | 35-43/1 | 35,00 | 43,00 | 9,00 |
| TTI 1592/1 | 35-43/2 | 35,00 | 43,00 | 7,00 |
| TTI 1592/2 | 35-43/3 | 35,00 | 43,00 | 11,00 |
| TTI 1592/3 | 35-43/L | 35,00 | 43,00 | 7,00 |
| TTI 1593 | 35-45 | 35,00 | 45,00 | 8,00 |
| TTI 1593/1 | 35-45/L | 35,00 | 45,00 | 8,00 |
| TTI 1593/2 | 35-45/4-L | 35,00 | 45,00 | 7,00 |
| TTI 1593/3 | 35-45/3 | 35,00 | 45,00 | 9,00 |
| TTI 1594 | 35-45/1 | 35,00 | 45,00 | 11,00 |
| TTI 1594/1 | 35-45/1-L | 35,00 | 45,00 | 11,00 |
| TTI 1595 | 35-45/2 | 35,00 | 45,00 | 10,00 |
| TTI 1596 | 35-46 | 35,00 | 46,00 | 9,00 |
| TTI 1597 | 35-46/1 | 35,00 | 46,00 | 10,00 |
| TTI 1597/1 | 35-47 | 35,00 | 47,00 | 7,00 |
| TTI 1597/2 | 35-47/1 | 35,00 | 47,00 | 8,00 |
| TTI 1597/3 | 35-50/L | 35,00 | 50,00 | 10,00 |
| TTI 1598 | 35-50 | 35,00 | 50,00 | 11,00 |
| TTI 1598/1 | 35-51 | 35,00 | 51,00 | 10,00 |
| TTI 1598/2 | 35-51/L | 35,00 | 51,00 | 11,00 |
| TTI 1599 | 35-55 | 35,00 | 55,00 | 13,00 |
| TTI 1599/1 | 36-44/1 | 36,00 | 44,00 | 7,00 |
| TTI 1600 | 36-44/1-L | 36,00 | 44,00 | 7,00 |
| TTI 1600/1 | 36-44 | 36,00 | 44,00 | 6,30 |
| TTI 1600/2 | 36-44/2-L | 36,00 | 44,00 | 9,00 |
| TTI 1601 | 36-46 | 36,00 | 46,00 | 8,00 |
| TTI 1601/1 | 36-46/AI | 36,00 | 46,00 | 8,00 |
| TTI 1601/2 | 36-46/2-L | 36,00 | 46,00 | 8,00 |
| TTI 1602 | 36-46/L | 36,00 | 46,00 | 8,50 |
| TTI 1603 | 36-46/1-L | 36,00 | 46,00 | 11,00 |
| TTI 1604 | 36-48 | 36,00 | 48,00 | 9,00 |
| TTI 1605 | 36-51 | 36,00 | 51,00 | 11,00 |
| TTI 1606 | 36-51/1 | 36,00 | 51,00 | 12,50 |
| TTI 1607 | 37-45 | 37,00 | 45,00 | 6,30 |

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Suministros Industriales y Servicios



TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1607/1 | 37-45/L | 37,00 | 45,00 | 6,30 |
| TTI 1607/2 | 37-47/L | 37,00 | 47,00 | 9,00 |
| TTI 1608 | 38-45 | 38,00 | 45,00 | 5,50 |
| TTI 1609 | 38-45/1 | 38,00 | 45,00 | 7,00 |
| TTI 1609/1 | 38-48/L | 38,00 | 48,00 | 10,00 |
| TTI 1609/2 | 38-48 | 38,00 | 48,00 | 9,00 |
| TTI 1609/4 | 38,10-47,62/L | 38,10 | 47,62 | 7,50 |
| TTI 1609/3 | 40-44,8 | 40,00 | 44,80 | 4,00 |
| TTI 1610 | 40-48 | 40,00 | 48,00 | 6,30 |
| TTI 1610/1 | 40-48/1 | 40,00 | 48,00 | 9,00 |
| TTI 1610/2 | 40-48/AI | 40,00 | 48,00 | 9,00 |
| TTI 1610/3 | 40-48/L | 40,00 | 48,00 | 6,30 |
| TTI 1611 | 40-49,5/1 | 40,00 | 49,52 | 10,50 |
| TTI 1612 | 40-49,5/L | 40,00 | 49,52 | 10,50 |
| TTI 1613 | 40-50 | 40,00 | 50,00 | 8,00 |
| TTI 1613/1 | 40-50/AI | 40,00 | 50,00 | 8,00 |
| TTI 1614 | 40-50/L | 40,00 | 50,00 | 8,00 |
| TTI 1614/1 | 40-50/3-L | 40,00 | 50,00 | 7,00 |
| TTI 1614/2 | 40-50/4 | 40,00 | 50,00 | 9,00 |
| TTI 1615 | 40-50/1 | 40,00 | 50,00 | 11,00 |
| TTI 1615/1 | 40-50/1-L | 40,00 | 50,00 | 11,00 |
| TTI 1616 | 40-50/2 | 40,00 | 50,00 | 13,50 |
| TTI 1617 | 40-52 | 40,00 | 52,00 | 9,00 |
| TTI 1618 | 40-55 | 40,00 | 55,00 | 11,00 |
| TTI 1619 | 40-55/L | 40,00 | 55,00 | 11,00 |
| TTI 1619/1 | 40-55/2-L | 40,00 | 55,00 | 10,00 |
| TTI 1620 | 40-55/L-AI | 40,00 | 55,00 | 11,00 |
| TTI 1621 | 40-55/1 | 40,00 | 55,00 | 12,50 |
| TTI 1622 | 40-60 | 40,00 | 60,00 | 13,00 |
| TTI 1622/1 | 40-60/L | 40,00 | 60,00 | 13,00 |
| TTI 1623 | 42-50/L | 42,00 | 50,00 | 12,50 |
| TTI 1624 | 42-51/L-AI | 42,00 | 51,00 | 11,00 |
| TTI 1624/1 | 42-52 | 42,00 | 52,00 | 8,00 |
| TTI 1625 | 42-53/L | 42,00 | 53,00 | 10,00 |
| TTI 1626 | 42-62/1 | 42,00 | 62,00 | 11,00 |
| TTI 1627 | 42-62 | 42,00 | 62,00 | 13,00 |
| TTI 1627/1 | 44,45-53,97/L | 44,45 | 53,97 | 7,50 |
| TTI 1627/4 | 44,45-53,97/1-L | 44,45 | 53,97 | 10,50 |
| TTI 1627/3 | 44,45-57,15/L | 44,45 | 57,15 | 9,52 |
| TTI 1627/2 | 45-50/L | 45,00 | 50,00 | 6,00 |
| TTI 1628 | 45-52/L-AI | 45,00 | 52,00 | 14,00 |
| TTI 1629 | 45-53 | 45,00 | 53,00 | 6,30 |
| TTI 1629/1 | 45-53/L | 45,00 | 53,00 | 6,30 |
| TTI 1629/2 | 45-53/4 | 45,00 | 53,00 | 8,00 |
| TTI 1630 | 45-53/3 | 45,00 | 53,00 | 9,00 |
| TTI 1631 | 45-53/2 | 45,00 | 53,00 | 11,00 |
| TTI 1632 | 45-53/5-L | 45,00 | 53,00 | 12,50 |
| TTI 1632/1 | 45-53/5 | 45,00 | 53,00 | 12,50 |
| TTI 1633 | 45-53/1 | 45,00 | 53,00 | 13,00 |
| TTI 1633/1 | 45-55 | 45,00 | 55,00 | 6,50 |
| TTI 1634 | 45-55/2 | 45,00 | 55,00 | 8,00 |
| TTI 1634/1 | 45-55/2-L | 45,00 | 55,00 | 8,00 |

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Suministros Industriales y Servicios



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TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1634/2 | 45-55/4-L | 45,00 | 55,00 | 7,00 |
| TTI 1635 | 45-55/1 | 45,00 | 55,00 | 11,00 |
| TTI 1635/1 | 45-55/1-L | 45,00 | 55,00 | 11,00 |
| TTI 1636 | 45-55/3-L | 45,00 | 55,00 | 12,00 |
| TTI 1636/1 | 45-55/L-AI | 45,00 | 55,00 | 9,00 |
| TTI 1637 | 45-57,7 | 45,00 | 57,70 | 10,50 |
| TTI 1638 | 45-57,7/L | 45,00 | 57,70 | 10,50 |
| TTI 1639 | 45-58/1 | 45,00 | 58,00 | 10,00 |
| TTI 1639/1 | 45-60 | 45,00 | 60,00 | 11,00 |
| TTI 1640 | 45-60/1 | 45,00 | 60,00 | 12,50 |
| TTI 1640/1 | 45-60/L | 45,00 | 60,00 | 12,50 |
| TTI 1641 | 45-65/2 | 45,00 | 65,00 | 11,00 |
| TTI 1642 | 45-65 | 45,00 | 65,00 | 13,00 |
| TTI 1643 | 45-65/1 | 45,00 | 65,00 | 14,50 |
| TTI 1644 | 46-56 | 46,00 | 56,00 | 8,00 |
| TTI 1644/2 | 46-56/1 | 46,00 | 56,00 | 9,00 |
| TTI 1644/1 | 47-56,3 | 47,00 | 56,30 | 10,00 |
| TTI 1645 | 48-56/1-L | 48,00 | 56,00 | 12,50 |
| TTI 1646 | 48-56/L | 48,00 | 56,00 | 13,00 |
| TTI 1647 | 50-57/L | 50,00 | 57,00 | 11,00 |
| TTI 1648 | 50-58/L | 50,00 | 58,00 | 12,50 |
| TTI 1649 | 50-59/L-AI | 50,00 | 59,00 | 11,00 |
| TTI 1649/4 | 50-59/1L-AI | 50,00 | 59,00 | 10,50 |
| TTI 1649/1 | 50-60/3 | 50,00 | 60,00 | 7,00 |
| TTI 1649/3 | 50-60/3-L | 50,00 | 60,00 | 7,00 |
| TTI 1649/2 | 50-60/4 | 50,00 | 60,00 | 9,00 |
| TTI 1650 | 50-60 | 50,00 | 60,00 | 8,00 |
| TTI 1650/1 | 50-60/L | 50,00 | 60,00 | 8,00 |
| TTI 1651 | 50-60/L-AI | 50,00 | 60,00 | 8,00 |
| TTI 1651/1 | 50-60/5-L | 50,00 | 60,00 | 7,00 |
| TTI 1652 | 50-60/1 | 50,00 | 60,00 | 11,00 |
| TTI 1652/1 | 50-60/1-L | 50,00 | 60,00 | 11,00 |
| TTI 1652/2 | 50-60/L-AI | 50,00 | 60,00 | 11,00 |
| TTI 1653 | 50-60/AI | 50,00 | 60,00 | 11,00 |
| TTI 1654 | 50-60/2 | 50,00 | 60,00 | 13,00 |
| TTI 1655 | 50-62 | 50,00 | 62,00 | 9,00 |
| TTI 1655/1 | 50-62/AI | 50,00 | 62,00 | 9,00 |
| TTI 1656 | 50-62,7 | 50,00 | 62,70 | 10,50 |
| TTI 1657 | 50-62,7/L | 50,00 | 62,70 | 10,50 |
| TTI 1657/1 | 50-63 | 50,00 | 63,00 | 10,00 |
| TTI 1658 | 50-65 | 50,00 | 65,00 | 11,00 |
| TTI 1658/1 | 50-65/L | 50,00 | 65,00 | 10,50 |
| TTI 1659 | 50-65/1-L | 50,00 | 65,00 | 11,00 |
| TTI 1660 | 50-65/AI | 50,00 | 65,00 | 11,00 |
| TTI 1661 | 50-65/L-AI | 50,00 | 65,00 | 11,00 |
| TTI 1662 | 50-65/1 | 50,00 | 65,00 | 12,50 |
| TTI 1663 | 50-65 | 50,00 | 65,00 | 16,50 |
| TTI 1664 | 50-68 | 50,00 | 68,00 | 10,00 |
| TTI 1665 | 50-70/1 | 50,00 | 70,00 | 11,00 |
| TTI 1666 | 50-70 | 50,00 | 70,00 | 13,00 |
| TTI 1666/1 | 50-70/L | 50,00 | 70,00 | 13,00 |
| TTI 1667 | 50-70/L-AI | 50,00 | 70,00 | 13,00 |

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Suministros Industriales y Servicios



TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1668 | 50-70/2 | 50,00 | 70,00 | 14,50 |
| TTI 1669 | 50-70/3-L | 50,00 | 70,00 | 15,00 |
| TTI 1669/1 | 53-63 | 53,00 | 63,00 | 6,00 |
| TTI 1669/2 | 50,80-60,32/L | 50,80 | 60,32 | 8,00 |
| TTI 1670 | 55-62,5/L | 55,00 | 62,50 | 10,00 |
| TTI 1671 | 55-63/2-L | 55,00 | 63,00 | 12,50 |
| TTI 1671/1 | 55-63/L | 55,00 | 63,00 | 9,00 |
| TTI 1671/2 | 55-63 | 55,00 | 63,00 | 9,00 |
| TTI 1671/3 | 55-63/2 | 55,00 | 63,00 | 12,50 |
| TTI 1672 | 55-63/1 | 55,00 | 63,00 | 13,00 |
| TTI 1672/1 | 55-63,6 | 55,00 | 63,60 | 6,30 |
| TTI 1672/2 | 55-65/L | 55,00 | 65,00 | 8,00 |
| TTI 1673 | 55-65 | 55,00 | 65,00 | 8,00 |
| TTI 1673/1 | 55-65/4 | 55,00 | 65,00 | 6,00 |
| TTI 1673/2 | 55-65/5-L | 55,00 | 65,00 | 7,00 |
| TTI 1674 | 55-65/6-L | 55,00 | 65,00 | 9,50 |
| TTI 1675 | 55-65/1 | 55,00 | 65,00 | 11,00 |
| TTI 1676 | 55-65/1-L | 55,00 | 65,00 | 11,00 |
| TTI 1677 | 55-65/AI | 55,00 | 65,00 | 11,00 |
| TTI 1678 | 55-65/2 | 55,00 | 65,00 | 13,00 |
| TTI 1678/1 | 55-65/2-L | 55,00 | 65,00 | 13,00 |
| TTI 1678/2 | 55-65/L-AI | 55,00 | 65,00 | 13,00 |
| TTI 1679 | 55-65/3 | 55,00 | 65,00 | 14,50 |
| TTI 1680 | 55-67/1 | 55,00 | 67,00 | 11,00 |
| TTI 1681 | 55-70 | 55,00 | 70,00 | 11,00 |
| TTI 1681/1 | 55-70/2 | 55,00 | 70,00 | 12,00 |
| TTI 1681/2 | 55-70/L | 55,00 | 70,00 | 12,50 |
| TTI 1682 | 55-70/1 | 55,00 | 70,00 | 13,00 |
| TTI 1683 | 55-75 | 55,00 | 75,00 | 13,00 |
| TTI 1684 | 55-75/1 | 55,00 | 75,00 | 14,50 |
| TTI 1684/1 | 56-66 | 56,00 | 66,00 | 8,00 |
| TTI 1685 | 56-66/1 | 56,00 | 66,00 | 11,00 |
| TTI 1686 | 56-71 | 56,00 | 71,00 | 11,00 |
| TTI 1686/1 | 56-71/2 | 56,00 | 71,00 | 9,50 |
| TTI 1687 | 56-71/1 | 56,00 | 71,00 | 12,50 |
| TTI 1687/1 | 56-71/1-L | 56,00 | 71,00 | 12,50 |
| TTI 1687/2 | 56-76 | 56,00 | 76,00 | 8,00 |
| TTI 1688 | 56-76/3 | 56,00 | 76,00 | 13,00 |
| TTI 1689 | 56-76/1 | 56,00 | 76,00 | 14,50 |
| TTI 1690 | 56-76/2 | 56,00 | 76,00 | 16,00 |
| TTI 1691 | 57,1-66,7/L | 57,10 | 66,70 | 10,50 |
| TTI 1692 | 57,1-69,8/L | 57,10 | 69,80 | 10,50 |
| TTI 1692/1 | 60-65/L | 60,00 | 65,00 | 6,50 |
| TTI 1693 | 60-68/L | 60,00 | 68,00 | 12,50 |
| TTI 1694 | 60-68/L-AI | 60,00 | 68,00 | 14,00 |
| TTI 1695 | 60-69/L-AI | 60,00 | 69,00 | 11,00 |
| TTI 1695/1 | 60-69,5 | 60,00 | 69,50 | 7,00 |
| TTI 1696 | 60-70 | 60,00 | 70,00 | 8,00 |
| TTI 1696/1 | 60-70/L | 60,00 | 70,00 | 8,00 |
| TTI 1696/2 | 60-70/AI | 60,00 | 70,00 | 8,50 |
| TTI 1696/3 | 60-70/3-L | 60,00 | 70,00 | 7,00 |
| TTI 1697 | 60-70/2 | 60,00 | 70,00 | 11,00 |

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Suministros Industriales y Servicios



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1698 | 60-70/4-L | 60,00 | 70,00 | 12,50 |
| TTI 1699 | 60-70/1 | 60,00 | 70,00 | 13,00 |
| TTI 1700 | 60-70/1-L | 60,00 | 70,00 | 13,00 |
| TTI 1700/1 | 60-70/5 | 60,00 | 70,00 | 16,00 |
| TTI 1700/2 | 60-71/L | 60,00 | 71,00 | 8,00 |
| TTI 1701 | 60-72 | 60,00 | 72,00 | 9,00 |
| TTI 1701/1 | 60-72/L | 60,00 | 72,00 | 10,00 |
| TTI 1702 | 60-72/1 | 60,00 | 72,00 | 10,00 |
| TTI 1702/1 | 60-72/L-AI | 60,00 | 72,00 | 12,50 |
| TTI 1702/2 | 60-75/2 | 60,00 | 75,00 | 10,00 |
| TTI 1703 | 60-75 | 60,00 | 75,00 | 11,00 |
| TTI 1704 | 60-75/L | 60,00 | 75,00 | 11,00 |
| TTI 1704/1 | 60-75/3-L | 60,00 | 75,00 | 12,50 |
| TTI 1705 | 60-75/1 | 60,00 | 75,00 | 13,00 |
| TTI 1705/1 | 60-75/1-L | 60,00 | 75,00 | 13,00 |
| TTI 1706 | 60-75/4-L | 60,00 | 75,00 | 16,50 |
| TTI 1707 | 60-77 | 60,00 | 77,00 | 12,00 |
| TTI 1708 | 60-80 | 60,00 | 80,00 | 13,00 |
| TTI 1709 | 60-80/L-AI | 60,00 | 80,00 | 13,00 |
| TTI 1709/1 | 60-80/2-L | 60,00 | 80,00 | 13,00 |
| TTI 1710 | 60-80/1 | 60,00 | 80,00 | 14,50 |
| TTI 1711 | 61-69 | 61,00 | 69,00 | 8,50 |
| TTI 1712 | 62-74/1 | 62,00 | 74,00 | 14,00 |
| TTI 1713 | 63-73/1 | 63,00 | 73,00 | 11,00 |
| TTI 1714 | 63-73/2 | 63,00 | 73,00 | 13,00 |
| TTI 1714/1 | 63-73/2-L | 63,00 | 73,00 | 13,00 |
| TTI 1714/2 | 63-73/L | 63,00 | 73,00 | 7,00 |
| TTI 1715 | 63-75/L | 63,00 | 75,00 | 11,00 |
| TTI 1716 | 63-78 | 63,00 | 78,00 | 11,00 |
| TTI 1716/1 | 63-78/1-L | 63,00 | 78,00 | 12,50 |
| TTI 1716/2 | 63-78/L-AI | 63,00 | 78,00 | 12,50 |
| TTI 1717 | 63-78/2 | 63,00 | 78,00 | 12,50 |
| TTI 1718 | 63-78/1 | 63,00 | 78,00 | 13,00 |
| TTI 1719 | 63-83 | 63,00 | 83,00 | 13,00 |
| TTI 1720 | 63-83/L | 63,00 | 83,00 | 13,00 |
| TTI 1721 | 63-83/L-AI | 63,00 | 83,00 | 13,00 |
| TTI 1722 | 63-83/1 | 63,00 | 83,00 | 14,50 |
| TTI 1723 | 63-83/1-L | 63,00 | 83,00 | 14,50 |
| TTI 1724 | 63-83/2 | 63,00 | 83,00 | 16,00 |
| TTI 1725 | 63,5-76,2/L | 63,50 | 76,20 | 10,50 |
| TTI 1726 | 65-73/L | 65,00 | 73,00 | 12,50 |
| TTI 1726/1 | 65-73/L-AI | 65,00 | 73,00 | 12,50 |
| TTI 1727 | 65-75/L | 65,00 | 75,00 | 9,00 |
| TTI 1727/1 | 65-75/4-L | 65,00 | 75,00 | 7,00 |
| TTI 1728 | 65-75/3 | 65,00 | 75,00 | 11,00 |
| TTI 1729 | 65-75/3-L | 65,00 | 75,00 | 11,00 |
| TTI 1729/1 | 65-75/2-L | 65,00 | 75,00 | 12,50 |
| TTI 1730 | 65-75/1-L | 65,00 | 75,00 | 13,00 |
| TTI 1731 | 65-75/2 | 65,00 | 75,00 | 14,50 |
| TTI 1732 | 65-77/1 | 65,00 | 77,00 | 10,00 |
| TTI 1733 | 65-77,7/L | 65,00 | 77,70 | 10,50 |
| TTI 1733/1 | 65-80/2 | 65,00 | 80,00 | 10,00 |

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Suministros Industriales y Servicios



TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1734 | 65-80 | 65,00 | 80,00 | 11,00 |
| TTI 1735 | 65-80/1 | 65,00 | 80,00 | 13,00 |
| TTI 1735/1 | 65-80/3-L | 65,00 | 80,00 | 12,50 |
| TTI 1736 | 65-85 | 65,00 | 85,00 | 13,00 |
| TTI 1737 | 65-85/1 | 65,00 | 85,00 | 14,50 |
| TTI 1738 | 66-80/L | 66,00 | 80,00 | 11,00 |
| TTI 1739 | 67-75/L | 67,00 | 75,00 | 12,50 |
| TTI 1739/1 | 68-80 | 68,00 | 80,00 | 11,00 |
| TTI 1740 | 69,8-82,5/L | 69,80 | 82,50 | 10,50 |
| TTI 1741 | 70-77,5 | 70,00 | 77,50 | 10,00 |
| TTI 1742 | 70-78/L | 70,00 | 78,00 | 12,50 |
| TTI 1743 | 70-79/L | 70,00 | 79,00 | 14,00 |
| TTI 1744 | 70-80/3 | 70,00 | 80,00 | 6,50 |
| TTI 1745 | 70-80 | 70,00 | 80,00 | 8,00 |
| TTI 1745/2 | 70-80/L | 70,00 | 80,00 | 8,00 |
| TTI 1745/1 | 70-80/4 | 70,00 | 80,00 | 6,00 |
| TTI 1745/3 | 70-80/5-L | 70,00 | 80,00 | 7,00 |
| TTI 1746 | 70-80/L-AI | 70,00 | 80,00 | 8,00 |
| TTI 1746/1 | 70-80/3-L | 70,00 | 80,00 | 9,00 |
| TTI 1747 | 70-80/2 | 70,00 | 80,00 | 11,00 |
| TTI 1748 | 70-80/6-L | 70,00 | 80,00 | 12,50 |
| TTI 1749 | 70-80/1 | 70,00 | 80,00 | 13,00 |
| TTI 1750 | 70-80/1-L | 70,00 | 80,00 | 13,00 |
| TTI 1751 | 70-85 | 70,00 | 85,00 | 11,00 |
| TTI 1751/1 | 70-85/3 | 70,00 | 85,00 | 12,00 |
| TTI 1752 | 70-85/2 | 70,00 | 85,00 | 12,50 |
| TTI 1753 | 70-85/L | 70,00 | 85,00 | 12,50 |
| TTI 1754 | 70-85/L-AI | 70,00 | 85,00 | 12,50 |
| TTI 1755 | 70-85/1 | 70,00 | 85,00 | 13,00 |
| TTI 1756 | 70-90 | 70,00 | 90,00 | 13,00 |
| TTI 1757 | 70-90/L | 70,00 | 90,00 | 13,00 |
| TTI 1758 | 70-90/1 | 70,00 | 90,00 | 14,50 |
| TTI 1758/1 | 70-90/3 | 70,00 | 90,00 | 15,00 |
| TTI 1759 | 70-90/2 | 70,00 | 90,00 | 16,00 |
| TTI 1760 | 73-82,4/L | 73,00 | 82,40 | 7,80 |
| TTI 1761 | 73-82,5 | 73,00 | 82,50 | 8,00 |
| TTI 1761/2 | 73-85 | 73,00 | 85,00 | 11,00 |
| TTI 1761/1 | 75-80/L | 75,00 | 80,00 | 6,50 |
| TTI 1762 | 75-83/L | 75,00 | 83,00 | 12,50 |
| TTI 1763 | 75-85 | 75,00 | 85,00 | 8,00 |
| TTI 1763/1 | 75-85/L | 75,00 | 85,00 | 8,00 |
| TTI 1764 | 75-85/1-L | 75,00 | 85,00 | 9,50 |
| TTI 1765 | 75-85/2-L | 75,00 | 85,00 | 11,00 |
| TTI 1766 | 75-85/L | 75,00 | 85,00 | 12,50 |
| TTI 1767 | 75-85/1 | 75,00 | 85,00 | 13,00 |
| TTI 1767/2 | 75-85/1-L | 75,00 | 85,00 | 13,00 |
| TTI 1767/3 | 75-85/L-AI | 75,00 | 85,00 | 13,00 |
| TTI 1767/1 | 75-87 | 75,00 | 87,00 | 9,60 |
| TTI 1768 | 75-90 | 75,00 | 90,00 | 11,00 |
| TTI 1768/1 | 75-90/L | 75,00 | 90,00 | 12,50 |
| TTI 1769 | 75-90/1 | 75,00 | 90,00 | 13,00 |
| TTI 1770 | 75-95 | 75,00 | 95,00 | 13,00 |

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Suministros Industriales y Servicios



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*For dimensions not listed, Please contact us.*

TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1771 | 75-95/1 | 75,00 | 95,00 | 14,50 |
| TTI 1772 | 76-84/1 | 76,00 | 84,00 | 8,50 |
| TTI 1773 | 76,2-88,9/L | 76,20 | 88,90 | 10,50 |
| TTI 1774 | 77-86/L | 77,00 | 86,00 | 15,00 |
| TTI 1775 | 78-86/1-L | 78,00 | 86,00 | 12,50 |
| TTI 1776 | 78-86/L-AI | 78,00 | 86,00 | 14,00 |
| TTI 1777 | 78-86/L | 78,00 | 86,00 | 14,50 |
| TTI 1778 | 78-88/L | 78,00 | 88,00 | 13,00 |
| TTI 1778/1 | 78-88/1-L | 78,00 | 88,00 | 15,00 |
| TTI 1779 | 78-90/L | 78,00 | 90,00 | 13,00 |
| TTI 1780 | 79,4-88,9/L | 79,40 | 88,90 | 10,50 |
| TTI 1781 | 80-88/L | 80,00 | 88,00 | 12,50 |
| TTI 1782 | 80-90 | 80,00 | 90,00 | 8,00 |
| TTI 1783 | 80-90/2 | 80,00 | 90,00 | 13,00 |
| TTI 1783/2 | 80-90/AI | 80,00 | 90,00 | 13,00 |
| TTI 1783/1 | 80-90/L | 80,00 | 90,00 | 13,50 |
| TTI 1783/3 | 80-90/3-L | 80,00 | 90,00 | 12,50 |
| TTI 1783/4 | 80-90/4-L | 80,00 | 90,00 | 13,00 |
| TTI 1784 | 80-90/1 | 80,00 | 90,00 | 15,00 |
| TTI 1785 | 80-95 | 80,00 | 95,00 | 11,00 |
| TTI 1785/1 | 80-95/L-AI | 80,00 | 95,00 | 12,00 |
| TTI 1786 | 80-95/1 | 80,00 | 95,00 | 12,50 |
| TTI 1787 | 80-95/L | 80,00 | 95,00 | 12,50 |
| TTI 1788 | 80-95/2 | 80,00 | 95,00 | 13,00 |
| TTI 1788/1 | 80-95/2-L | 80,00 | 95,00 | 13,00 |
| TTI 1789 | 80-100 | 80,00 | 100,00 | 13,00 |
| TTI 1789/1 | 80-100/L | 80,00 | 100,00 | 13,00 |
| TTI 1790 | 80-100/1 | 80,00 | 100,00 | 14,50 |
| TTI 1791 | 80-100/2 | 80,00 | 100,00 | 16,00 |
| TTI 1792 | 82,5-97,5/L | 82,50 | 97,50 | 16,00 |
| TTI 1793 | 85-92,5/L | 85,00 | 92,50 | 12,00 |
| TTI 1794 | 85-93/L | 85,00 | 93,00 | 12,50 |
| TTI 1794/1 | 85-93 | 85,00 | 93,00 | 12,50 |
| TTI 1795 | 85-95 | 85,00 | 95,00 | 8,00 |
| TTI 1795/2 | 85-95/2-L | 85,00 | 95,00 | 12,00 |
| TTI 1795/1 | 85-95/2 | 85,00 | 95,00 | 12,00 |
| TTI 1795/3 | 85-95/3-L | 85,00 | 95,00 | 12,50 |
| TTI 1796 | 85-95/1 | 85,00 | 95,00 | 13,00 |
| TTI 1796/1 | 85-95/1-L | 85,00 | 95,00 | 13,00 |
| TTI 1796/3 | 85-100/L | 85,00 | 100,00 | 10,00 |
| TTI 1796/2 | 85-100 | 85,00 | 100,00 | 16,00 |
| TTI 1797 | 85-100/1 | 85,00 | 100,00 | 12,00 |
| TTI 1797/1 | 85-100/1-L | 85,00 | 100,00 | 12,00 |
| TTI 1798 | 85-100/3 | 85,00 | 100,00 | 12,50 |
| TTI 1798/1 | 85-100/3-L | 85,00 | 100,00 | 12,50 |
| TTI 1799 | 85-100/2 | 85,00 | 100,00 | 13,00 |
| TTI 1800 | 85-105 | 85,00 | 105,00 | 13,00 |
| TTI 1800/1 | 85-105/2 | 85,00 | 105,00 | 15,00 |
| TTI 1801 | 85-105/1 | 85,00 | 105,00 | 14,50 |
| TTI 1801/1 | 88,5-96,5 | 88,50 | 96,50 | 12,50 |
| TTI 1801/2 | 88,5-96,5/L | 88,50 | 96,50 | 12,50 |
| TTI 1802 | 88,9-101,6/L | 88,90 | 101,60 | 10,50 |

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Suministros Industriales y Servicios



TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1803 | 90-98/L | 90,00 | 98,00 | 12,50 |
| TTI 1803/1 | 90-100/L | 90,00 | 100,00 | 8,00 |
| TTI 1804 | 90-100/1 | 90,00 | 100,00 | 12,50 |
| TTI 1805 | 90-100/1-L | 90,00 | 100,00 | 12,50 |
| TTI 1805/1 | 90-100/2 | 90,00 | 100,00 | 6,00 |
| TTI 1805/2 | 90-100/3-L | 90,00 | 100,00 | 12,00 |
| TTI 1806 | 90-105/2 | 90,00 | 105,00 | 9,50 |
| TTI 1806/1 | 90-105/2-L | 90,00 | 105,00 | 9,50 |
| TTI 1806/2 | 90-105/L | 90,00 | 105,00 | 10,00 |
| TTI 1807 | 90-105/4 | 90,00 | 105,00 | 10,50 |
| TTI 1808 | 90-105/3 | 90,00 | 105,00 | 12,50 |
| TTI 1809 | 90-105/3-L | 90,00 | 105,00 | 12,50 |
| TTI 1810 | 90-105/1 | 90,00 | 105,00 | 13,00 |
| TTI 1810/1 | 90-105/1-L | 90,00 | 105,00 | 13,00 |
| TTI 1811 | 90-110 | 90,00 | 110,00 | 13,00 |
| TTI 1812 | 90-110/L | 90,00 | 110,00 | 13,00 |
| TTI 1813 | 90-110/1 | 90,00 | 110,00 | 16,00 |
| TTI 1814 | 91-99/1 | 91,00 | 99,00 | 8,50 |
| TTI 1814/2 | 91-101/L | 91,00 | 101,00 | 15,00 |
| TTI 1814/1 | 92-102/L | 92,00 | 102,00 | 12,50 |
| TTI 1815 | 93-104/1 | 93,00 | 104,00 | 11,00 |
| TTI 1816 | 95-103/L | 95,00 | 103,00 | 12,50 |
| TTI 1816/1 | 95-103/1-L | 95,00 | 103,00 | 13,00 |
| TTI 1817 | 95-105/1-L | 95,00 | 105,00 | 9,50 |
| TTI 1818 | 95-105/1 | 95,00 | 105,00 | 11,00 |
| TTI 1819 | 95-105/L | 95,00 | 105,00 | 13,00 |
| TTI 1819/1 | 95-105/L-AI | 95,00 | 105,00 | 13,00 |
| TTI 1820 | 95-115 | 95,00 | 115,00 | 13,00 |
| TTI 1821 | 97-105/1-L | 97,00 | 105,00 | 12,50 |
| TTI 1822 | 97-105/L-AI | 97,00 | 105,00 | 14,00 |
| TTI 1823 | 97-105/L | 97,00 | 105,00 | 14,50 |
| TTI 1824 | 97-106 | 97,00 | 106,00 | 15,00 |
| TTI 1825 | 99-109/L | 99,00 | 109,00 | 13,00 |
| TTI 1825/2 | 99-109/1-L | 99,00 | 109,00 | 15,00 |
| TTI 1825/1 | 99,5-109,5/L | 99,50 | 109,50 | 10,00 |
| TTI 1826 | 100-108/L | 100,00 | 108,00 | 12,50 |
| TTI 1827 | 100-110/1-L | 100,00 | 110,00 | 11,00 |
| TTI 1828 | 100-110/L | 100,00 | 110,00 | 12,50 |
| TTI 1829 | 100-110/1 | 100,00 | 110,00 | 15,00 |
| TTI 1829/1 | 100-112/L | 100,00 | 112,00 | 15,00 |
| TTI 1830 | 100-113/1 | 100,00 | 113,00 | 13,50 |
| TTI 1830/1 | 100-115/L | 100,00 | 115,00 | 10,00 |
| TTI 1830/2 | 100-115/1 | 100,00 | 115,00 | 10,00 |
| TTI 1831 | 100-115/2 | 100,00 | 115,00 | 11,50 |
| TTI 1832 | 100-115/1 | 100,00 | 115,00 | 13,00 |
| TTI 1832/1 | 100-115/3-L | 100,00 | 115,00 | 12,00 |
| TTI 1833 | 100-120 | 100,00 | 120,00 | 13,00 |
| TTI 1833/1 | 100-120/L | 100,00 | 120,00 | 13,00 |
| TTI 1834 | 100-120/1 | 100,00 | 120,00 | 14,50 |
| TTI 1835 | 100-120/L-AI | 100,00 | 120,00 | 14,50 |
| TTI 1835/1 | 100-120/3 | 100,00 | 120,00 | 15,00 |
| TTI 1836 | 100-120/2 | 100,00 | 120,00 | 16,00 |

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Suministros Industriales y Servicios

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TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1836/1 | 100-120/4-L | 100,00 | 120,00 | 16,00 |
| TTI 1837 | 100-125 | 100,00 | 125,00 | 19,00 |
| TTI 1838 | 105-113/1-L | 105,00 | 113,00 | 12,50 |
| TTI 1839 | 105-113/L | 105,00 | 113,00 | 14,50 |
| TTI 1840 | 105-115/1 | 105,00 | 115,00 | 11,00 |
| TTI 1841 | 105-115/2 | 105,00 | 115,00 | 12,50 |
| TTI 1842 | 105-115/2-L | 105,00 | 115,00 | 12,50 |
| TTI 1843 | 105-115/3 | 105,00 | 115,00 | 14,50 |
| TTI 1843/1 | 105-120 | 105,00 | 120,00 | 11,00 |
| TTI 1843/2 | 105-120/L | 105,00 | 120,00 | 10,00 |
| TTI 1843/3 | 105-120/1-L | 105,00 | 120,00 | 10,00 |
| TTI 1844 | 105-125 | 105,00 | 125,00 | 13,00 |
| TTI 1844/1 | 105-125/1 | 105,00 | 125,00 | 15,00 |
| TTI 1844/2 | 105-125/P | 105,00 | 125,00 | 16,00 |
| TTI 1844/3 | 107-122 | 107,00 | 122,00 | 11,00 |
| TTI 1844/4 | 108,5-116,5/L | 108,50 | 116,50 | 12,50 |
| TTI 1845 | 110-118/L | 110,00 | 118,00 | 12,50 |
| TTI 1845/1 | 110-125 | 110,00 | 125,00 | 10,60 |
| TTI 1845/2 | 110-120/L | 110,00 | 120,00 | 15,00 |
| TTI 1845/3 | 110-120/1-L | 110,00 | 120,00 | 12,00 |
| TTI 1846 | 110-125/1 | 110,00 | 125,00 | 12,00 |
| TTI 1846/1 | 110-125/L | 110,00 | 125,00 | 12,00 |
| TTI 1847 | 110-125/2 | 110,00 | 125,00 | 16,00 |
| TTI 1847/1 | 110-125/2-L | 110,00 | 125,00 | 16,00 |
| TTI 1848 | 110-130 | 110,00 | 130,00 | 13,00 |
| TTI 1848/1 | 110-130/L | 110,00 | 130,00 | 13,00 |
| TTI 1849 | 110-130/1 | 110,00 | 130,00 | 16,00 |
| TTI 1849/1 | 110-130/P | 110,00 | 130,00 | 16,00 |
| TTI 1849/2 | 110-130/2-L | 110,00 | 130,00 | 16,00 |
| TTI 1850 | 110-135 | 110,00 | 135,00 | 20,00 |
| TTI 1850/1 | 111-121/L | 111,00 | 121,00 | 12,50 |
| TTI 1851 | 112-122/L | 112,00 | 122,00 | 11,00 |
| TTI 1852 | 113-123/1-L | 113,00 | 123,00 | 9,50 |
| TTI 1852/1 | 113-135 | 113,00 | 135,00 | 16,00 |
| TTI 1853 | 115-123/L | 115,00 | 123,00 | 12,50 |
| TTI 1853/1 | 115-125 | 115,00 | 125,00 | 11,00 |
| TTI 1854 | 115-125/1 | 115,00 | 125,00 | 13,00 |
| TTI 1854/1 | 115-125/1-L | 115,00 | 125,00 | 13,00 |
| TTI 1854/2 | 115-125/L-AI | 115,00 | 125,00 | 13,00 |
| TTI 1855 | 115-125/L | 115,00 | 125,00 | 15,00 |
| TTI 1856 | 115-130/L | 115,00 | 130,00 | 11,00 |
| TTI 1857 | 115-135 | 115,00 | 135,00 | 13,00 |
| TTI 1858 | 117-126/L | 117,00 | 126,00 | 15,00 |
| TTI 1859 | 118-126/L | 118,00 | 126,00 | 12,50 |
| TTI 1859/1 | 118-126/L-AI | 118,00 | 126,00 | 12,50 |
| TTI 1860 | 118-126/1-L-AI | 118,00 | 126,00 | 14,00 |
| TTI 1861 | 118-126/2-L | 118,00 | 126,00 | 14,50 |
| TTI 1861/1 | 119,5-129,5/L | 119,50 | 129,50 | 10,00 |
| TTI 1862 | 120-128/L | 120,00 | 128,00 | 12,50 |
| TTI 1863 | 120-130/1 | 120,00 | 130,00 | 8,00 |
| TTI 1864 | 120-130/2 | 120,00 | 130,00 | 12,50 |
| TTI 1865 | 120-130/L | 120,00 | 130,00 | 12,50 |



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TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| **TTI 1866** | 120-130/1-L | 120,00 | 130,00 | 13,00 |
| **TTI 1866/1** | 120-130/2-L | 120,00 | 130,00 | 15,00 |
| **TTI 1867** | 120-132/L | 120,00 | 132,00 | 11,00 |
| **TTI 1867/1** | 120-135/L-AI | 120,00 | 135,00 | 12,50 |
| **TTI 1868** | 120-135/1 | 120,00 | 135,00 | 12,50 |
| **TTI 1869** | 120-135/2 | 120,00 | 135,00 | 16,00 |
| **TTI 1869/1** | 120-135/L | 120,00 | 135,00 | 16,00 |
| **TTI 1870** | 120-140 | 120,00 | 140,00 | 13,00 |
| **TTI 1871** | 120-140/L | 120,00 | 140,00 | 13,00 |
| **TTI 1872** | 120-140/1 | 120,00 | 140,00 | 16,00 |
| **TTI 1873** | 121-135/L | 121,00 | 135,00 | 10,00 |
| **TTI 1874** | 125-133/L | 125,00 | 133,00 | 12,50 |
| **TTI 1875** | 125-135/L | 125,00 | 135,00 | 11,00 |
| **TTI 1875/3** | 125-137/L | 125,00 | 137,00 | 15,00 |
| **TTI 1875/1** | 125-140/L-AI | 125,00 | 140,00 | 12,50 |
| **TTI 1875/2** | 125-140/L | 125,00 | 140,00 | 12,50 |
| **TTI 1876** | 125-145 | 125,00 | 145,00 | 13,00 |
| **TTI 1876/1** | 125-145/P | 125,00 | 145,00 | 16,00 |
| **TTI 1877** | 125-145/1 | 125,00 | 145,00 | 16,00 |
| **TTI 1877/1** | 125-145/L | 125,00 | 145,00 | 16,00 |
| **TTI 1878** | 125-150 | 125,00 | 150,00 | 15,00 |
| **TTI 1879** | 125-150/1 | 125,00 | 150,00 | 20,00 |
| **TTI 1880** | 125-155 | 125,00 | 155,00 | 19,00 |
| **TTI 1880/1** | 125,05-140,5 | 125,05 | 140,50 | 10,50 |
| **TTI 1881** | 127-140/L | 127,00 | 140,00 | 12,50 |
| **TTI 1881/1** | 127-150 | 127,00 | 150,00 | 16,00 |
| **TTI 1882** | 128-136/L | 128,00 | 136,00 | 12,50 |
| **TTI 1882/1** | 128,5-136,5 | 128,50 | 136,50 | 12,50 |
| **TTI 1882/2** | 128,5-136,5/L | 128,50 | 136,50 | 12,50 |
| **TTI 1882/3** | 129-139/L | 129,00 | 139,00 | 15,00 |
| **TTI 1883** | 130-138/L | 130,00 | 138,00 | 12,50 |
| **TTI 1883/1** | 130-138 | 130,00 | 138,00 | 12,50 |
| **TTI 1884** | 130-140 | 130,00 | 140,00 | 8,00 |
| **TTI 1884/1** | 130-140/1-L | 130,00 | 140,00 | 12,50 |
| **TTI 1884/2** | 130-145/L | 130,00 | 145,00 | 13,00 |
| **TTI 1885** | 130-145/2 | 130,00 | 145,00 | 15,00 |
| **TTI 1886** | 130-145/1 | 130,00 | 145,00 | 16,00 |
| **TTI 1887** | 130-150 | 130,00 | 150,00 | 13,00 |
| **TTI 1888** | 130-150/1 | 130,00 | 150,00 | 16,00 |
| **TTI 1889** | 131-150/L | 131,00 | 150,00 | 14,00 |
| **TTI 1889/1** | 132-140/L | 132,00 | 140,00 | 12,50 |
| **TTI 1889/2** | 132-140/1-L | 132,00 | 140,00 | 12,00 |
| **TTI 1890** | 132-142/L | 132,00 | 142,00 | 9,50 |
| **TTI 1890/1** | 132-142/1-L | 132,00 | 142,00 | 12,00 |
| **TTI 1891** | 135-143/L | 135,00 | 143,00 | 12,50 |
| **TTI 1891/1** | 135-145/L | 135,00 | 145,00 | 13,00 |
| **TTI 1891/2** | 135-145/L-AI | 135,00 | 145,00 | 13,00 |
| **TTI 1892** | 135-150/L | 135,00 | 150,00 | 12,50 |
| **TTI 1893** | 135-150/1-L | 135,00 | 150,00 | 16,00 |
| **TTI 1894** | 137-146/L | 137,00 | 146,00 | 15,00 |
| **TTI 1894/1** | 137-152/L | 137,00 | 152,00 | 13,00 |
| **TTI 1894/2** | 138-148/L | 138,00 | 148,00 | 15,00 |

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Suministros Industriales y Servicios

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1894/3 | 139,5-149,5/L | 139,50 | 149,50 | 10,00 |
| TTI 1895 | 140-148/L | 140,00 | 148,00 | 12,50 |
| TTI 1896 | 140-150/1 | 140,00 | 150,00 | 12,50 |
| TTI 1897 | 140-150/1-L | 140,00 | 150,00 | 12,50 |
| TTI 1898 | 140-155/1 | 140,00 | 155,00 | 13,00 |
| TTI 1898/1 | 140-155,5/AI | 140,00 | 155,50 | 6,30 |
| TTI 1898/2 | 140-155/AI | 140,00 | 155,00 | 16,00 |
| TTI 1899 | 140-160 | 140,00 | 160,00 | 13,00 |
| TTI 1900 | 140-160/2 | 140,00 | 160,00 | 16,00 |
| TTI 1901 | 140-165 | 140,00 | 165,00 | 20,00 |
| TTI 1902 | 141-151/L | 141,00 | 151,00 | 13,00 |
| TTI 1902/1 | 141-151/1-L | 141,00 | 151,00 | 15,00 |
| TTI 1903 | 143-151/1-L | 143,00 | 151,00 | 12,50 |
| TTI 1904 | 143-151/L-AI | 143,00 | 151,00 | 14,00 |
| TTI 1905 | 143-151/L | 143,00 | 151,00 | 14,50 |
| TTI 1905/1 | 145-153/L | 145,00 | 153,00 | 12,50 |
| TTI 1906 | 145-155/L | 145,00 | 155,00 | 13,00 |
| TTI 1907 | 145-157,7/1 | 145,00 | 157,70 | 10,00 |
| TTI 1908 | 145-160/L | 145,00 | 160,00 | 13,00 |
| TTI 1908/1 | 145-165 | 145,00 | 165,00 | 16,00 |
| TTI 1908/2 | 146-156/L | 146,00 | 156,00 | 11,00 |
| TTI 1909 | 147-160/1 | 147,00 | 160,00 | 13,00 |
| TTI 1909/1 | 147-170/G | 147,00 | 170,00 | 16,00 |
| TTI 1910 | 148-160 | 148,00 | 160,00 | 13,00 |
| TTI 1910/1 | 148,5-156,5/L | 148,50 | 156,50 | 12,50 |
| TTI 1910/5 | 149-159/L | 149,00 | 159,00 | 15,00 |
| TTI 1910/3 | 150-158/L | 150,00 | 158,00 | 12,50 |
| TTI 1910/2 | 150-160/L | 150,00 | 160,00 | 12,50 |
| TTI 1910/4 | 150-162/L | 150,00 | 162,00 | 12,50 |
| TTI 1911 | 150-170 | 150,00 | 170,00 | 16,00 |
| TTI 1911/1 | 150-170/L | 150,00 | 170,00 | 14,00 |
| TTI 1912 | 150-170/1 | 150,00 | 170,00 | 14,50 |
| TTI 1913 | 150-170/2 | 150,00 | 170,00 | 16,00 |
| TTI 1913/1 | 150-170/3 | 150,00 | 170,00 | 14,00 |
| TTI 1913/2 | 150-170/2-L | 150,00 | 170,00 | 16,00 |
| TTI 1914 | 152-160/L | 152,00 | 160,00 | 12,50 |
| TTI 1915 | 152-162/L | 152,00 | 162,00 | 11,00 |
| TTI 1915/1 | 152-162/1-L | 152,00 | 162,00 | 12,50 |
| TTI 1916 | 152-171/L | 152,00 | 171,00 | 12,50 |
| TTI 1917 | 152,5-160,5/L | 152,50 | 160,50 | 15,00 |
| TTI 1918 | 155-163/L | 155,00 | 163,00 | 12,50 |
| TTI 1919 | 160-168/L | 160,00 | 168,00 | 12,50 |
| TTI 1920 | 160-170/L | 160,00 | 170,00 | 12,50 |
| TTI 1920/1 | 160-170/1-L | 160,00 | 170,00 | 13,00 |
| TTI 1920/3 | 160-170/L-AI | 160,00 | 170,00 | 13,00 |
| TTI 1920/4 | 160-170/2-L | 160,00 | 170,00 | 14,00 |
| TTI 1920/2 | 160-175/L | 160,00 | 175,00 | 12,00 |
| TTI 1921 | 160-180 | 160,00 | 180,00 | 13,00 |
| TTI 1922 | 160-180/1 | 160,00 | 180,00 | 16,00 |
| TTI 1923 | 160-185 | 160,00 | 185,00 | 20,00 |
| TTI 1924 | 162-172/L | 162,00 | 172,00 | 13,00 |
| TTI 1924/4 | 162-172/1-L | 162,00 | 172,00 | 15,00 |

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Suministros Industriales y Servicios



TECNOLAN

Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1924/2 | 163,5-178/L | 163,50 | 178,00 | 13,00 |
| TTI 1924/3 | 163,5-187,0 | 163,50 | 187,00 | 16,00 |
| TTI 1924/1 | 165-177/L | 165,00 | 177,00 | 9,00 |
| TTI 1925 | 165-184/L | 165,00 | 184,00 | 14,00 |
| TTI 1925/1 | 165,1-184,1 | 165,10 | 184,10 | 13,50 |
| TTI 1926 | 165-195 | 165,00 | 195,00 | 21,00 |
| TTI 1926/1 | 166-176/L | 166,00 | 176,00 | 15,00 |
| TTI 1926/2 | 167-175 | 167,00 | 175,00 | 9,00 |
| TTI 1927 | 170-178/L | 170,00 | 178,00 | 12,50 |
| TTI 1927/1 | 170-180/1-L | 170,00 | 180,00 | 12,50 |
| TTI 1928 | 170-180/L | 170,00 | 180,00 | 13,00 |
| TTI 1928/1 | 170-182,7 | 170,00 | 182,70 | 10,00 |
| TTI 1929 | 170-190 | 170,00 | 190,00 | 13,00 |
| TTI 1930 | 170-190/1 | 170,00 | 190,00 | 16,00 |
| TTI 1931 | 171-179/L | 171,00 | 179,00 | 12,50 |
| TTI 1932 | 171-179/1-L | 171,00 | 179,00 | 14,00 |
| TTI 1932/2 | 171-179/L-AI | 171,00 | 179,00 | 14,00 |
| TTI 1932/1 | 171,5-179,5/L | 171,50 | 179,50 | 12,50 |
| TTI 1932/3 | 172-182/L | 172,00 | 182,00 | 12,00 |
| TTI 1932/4 | 175-183/L | 175,00 | 183,00 | 12,50 |
| TTI 1933 | 175-185/L | 175,00 | 185,00 | 13,00 |
| TTI 1934 | 177-205/L | 177,00 | 205,00 | 20,00 |
| TTI 1935 | 180-188/L | 180,00 | 188,00 | 14,50 |
| TTI 1936 | 180-190/L | 180,00 | 190,00 | 11,00 |
| TTI 1936/1 | 180-190/L | 180,00 | 190,00 | 12,50 |
| TTI 1937 | 180-195/L | 180,00 | 195,00 | 13,50 |
| TTI 1937/2 | 180-195/L-AI | 180,00 | 195,00 | 12,50 |
| TTI 1937/1 | 180-196/L | 180,00 | 196,00 | 19,00 |
| TTI 1938 | 180-200 | 180,00 | 200,00 | 13,00 |
| TTI 1939 | 180-200/1 | 180,00 | 200,00 | 16,00 |
| TTI 1940 | 180-200/2 | 180,00 | 200,00 | 20,00 |
| TTI 1940/1 | 180-200/L-AI | 180,00 | 200,00 | 20,00 |
| TTI 1940/2 | 183-193/L | 183,00 | 193,00 | 15,00 |
| TTI 1941 | 185-193/L | 185,00 | 193,00 | 12,50 |
| TTI 1941/2 | 185-195/L | 185,00 | 195,00 | 13,00 |
| TTI 1941/3 | 185-195/L-AI | 185,00 | 195,00 | 13,00 |
| TTI 1941/1 | 185-210/L-AI | 185,00 | 210,00 | 20,00 |
| TTI 1942 | 190-210 | 190,00 | 210,00 | 13,00 |
| TTI 1942/1 | 190-210/L-AI | 190,00 | 210,00 | 16,00 |
| TTI 1943 | 190-210/1 | 190,00 | 210,00 | 16,00 |
| TTI 1943/1 | 194,5-202,5/L | 194,50 | 202,50 | 12,50 |
| TTI 1944 | 198-207,6 | 198,00 | 207,60 | 7,50 |
| TTI 1945 | 200-208/L | 200,00 | 208,00 | 12,50 |
| TTI 1945/1 | 200-210/L | 200,00 | 210,00 | 13,00 |
| TTI 1946 | 200-212/1 | 200,00 | 212,00 | 16,00 |
| TTI 1947 | 200-220 | 200,00 | 220,00 | 13,00 |
| TTI 1947/1 | 200-220 | 200,00 | 220,00 | 12,00 |
| TTI 1948 | 200-220/1 | 200,00 | 220,00 | 16,00 |
| TTI 1949 | 200-225 | 200,00 | 225,00 | 20,00 |
| TTI 1950 | 205-220/L | 205,00 | 220,00 | 13,50 |
| TTI 1950/3 | 207-217/1-L | 207,00 | 217,00 | 15,00 |
| TTI 1950/2 | 207-217/L | 207,00 | 217,00 | 16,00 |

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Suministros Industriales y Servicios

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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Juntas de VÁSTAGO
ROD seals

# TTI
# TTI/L
# TTI/L-AI

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTI 1950/1 | 208-216/L | 208,00 | 216,00 | 9,00 |
| TTI 1951 | 209-228/L | 209,00 | 228,00 | 14,00 |
| TTI 1951/1 | 210-219,5/L | 210,00 | 219,50 | 12,50 |
| TTI 1952 | 210-230 | 210,00 | 230,00 | 13,00 |
| TTI 1953 | 210-230/2 | 210,00 | 230,00 | 16,00 |
| TTI 1954 | 210-235/1 | 210,00 | 235,00 | 26,00 |
| TTI 1954/1 | 210-235/L-AI | 210,00 | 235,00 | 20,00 |
| TTI 1955 | 212-220/L | 212,00 | 220,00 | 14,50 |
| TTI 1955/2 | 215-225/L | 215,00 | 225,00 | 13,00 |
| TTI 1955/3 | 215-225/L-AI | 215,00 | 225,00 | 13,00 |
| TTI 1955/1 | 220-235/L-AI | 220,00 | 235,00 | 16,00 |
| TTI 1956 | 220-240 | 220,00 | 240,00 | 13,00 |
| TTI 1957 | 220-240/1 | 220,00 | 240,00 | 16,00 |
| TTI 1958 | 220-250 | 220,00 | 250,00 | 19,00 |
| TTI 1959 | 230-250 | 230,00 | 250,00 | 13,00 |
| TTI 1959/1 | 231-241/L | 231,00 | 241,00 | 15,00 |
| TTI 1960 | 232-246/L | 232,00 | 246,00 | 13,00 |
| TTI 1961 | 240-260 | 240,00 | 260,00 | 13,00 |
| TTI 1962 | 240-260/1 | 240,00 | 260,00 | 16,00 |
| TTI 1963 | 240-270 | 240,00 | 270,00 | 19,00 |
| TTI 1963/1 | 245-270/L-AI | 245,00 | 270,00 | 20,00 |
| TTI 1964 | 250-270 | 250,00 | 270,00 | 13,00 |
| TTI 1965 | 250-270/1 | 250,00 | 270,00 | 16,00 |
| TTI 1966 | 250-280 | 250,00 | 280,00 | 23,00 |
| TTI 1966/1 | 260-270/L | 260,00 | 270,00 | 15,00 |
| TTI 1967/1 | 270-300/L-AI | 270,00 | 300,00 | 19,00 |
| TTI 1968 | 280-305/1 | 280,00 | 305,00 | 16,00 |
| TTI 1968/1 | 280-310/1 | 280,00 | 310,00 | 19,00 |
| TTI 1969 | 280-310 | 280,00 | 310,00 | 25,00 |
| TTI 1969/1 | 290-310 | 290,00 | 310,00 | 15,00 |
| TTI 1969/2 | 290-315/L-AI | 290,00 | 315,00 | 20,00 |
| TTI 1970 | 305-330/L-AI | 305,00 | 330,00 | 20,00 |

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Suministros Industriales y Servicios





# TTH

**Juntas** de VÁSTAGO
ROD **seals**

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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano PB508 +POM | *Polyurethane PB508+POM* |

| **Presión hasta / *Pressure up to*** |
|---|
| 40 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Máquinas de movimiento de tierra<br>Prensas de estampación<br>Cilindros de grúa | *Earth moving Machinery*<br>*Presses*<br>*Crane Cylinders* |

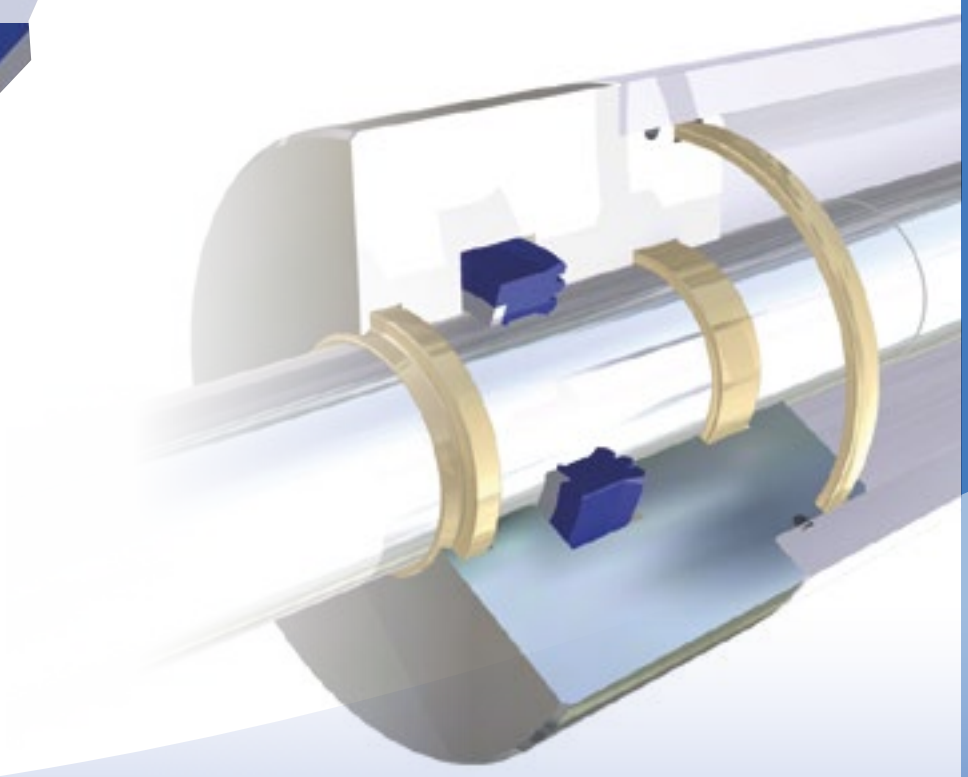


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TTH

78÷81

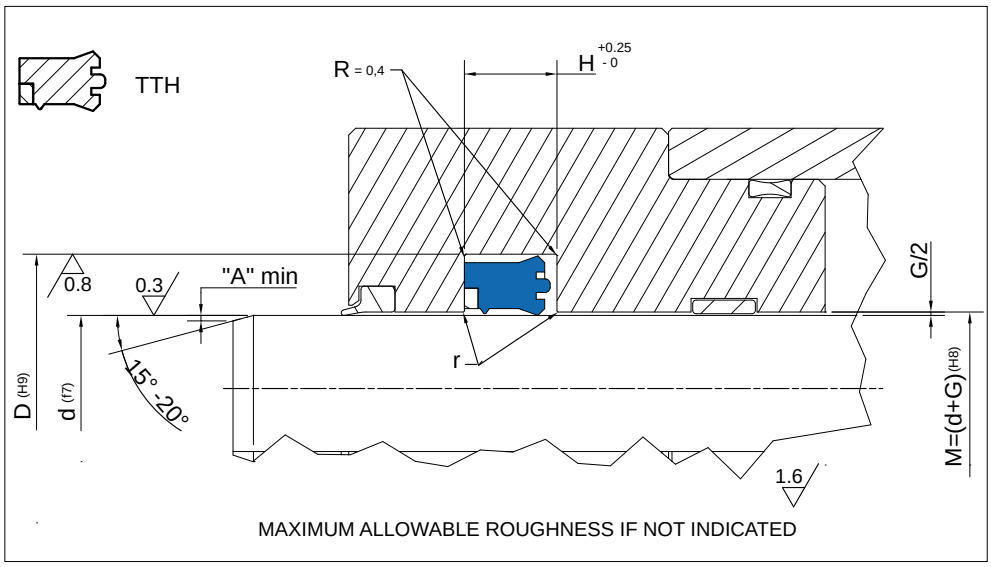
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Suministros Industriales y Servicios



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Juntas de VÁSTAGO
ROD seals

# TTH






**Rod Seal design guidelines**

| | 0mm < d ≤ 50mm | 50mm < d ≤ 100mm | 100mm < d ≤ 150mm | d ≥ 150mm |
|---|---|---|---|---|
| **r** | remove sharp edges | | | |
| **A** | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | Operating pressure to determinate Maximum Gap Allowance: G/2 | | | | |
|---|---|---|---|---|---|
| | **Profile Dimension** | **> 16 MPa** | **> 26 MPa** | **> 32 MPa** | **> 40 MPa** |
| **G** | ≤ 5 | 0.50 mm | 0.40 mm | 0.35 mm | |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm | 0.40 mm | 0.35 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm | 0.45 mm | 0.40 mm |
| | 15 | 0.65 mm | 0.55 mm | 0.45 mm | 0.40 mm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | d | D | H |
| TTH 900 | 32,00 | 42,00 | 8,00 |
| TTH 901 | 40,00 | 50,00 | 8,00 |
| TTH 902 | 45,00 | 55,00 | 8,00 |
| TTH 903 | 50,00 | 65,00 | 12,50 |
| TTH 903/2 | 50,00 | 65,00 | 11,00 |
| TTH 903/1 | 56,00 | 66,00 | 10,00 |
| TTH 904 | 56,00 | 71,00 | 12,50 |
| **TTH 905** | 60,00 | 75,00 | 13,00 |
| **TTH 905/1** | 60,00 | 80,00 | 13,00 |
| **TTH 906** | 63,00 | 78,00 | 6,30 |
| **TTH 907** | 63,00 | 78,00 | 12,50 |
| **TTH 908** | 65,00 | 80,00 | 13,00 |
| **TTH 909** | 70,00 | 85,00 | 12,50 |
| **TTH 909/1** | 70,00 | 90,00 | 13,00 |
| **TTH 910** | 75,00 | 90,50 | 6,30 |
| **TTH 911** | 75,00 | 90,00 | 13,00 |
| **TTH 911/1** | 75,00 | 90,00 | 12,50 |
| **TTH 912** | 80,00 | 95,00 | 12,50 |
| **TTH 913** | 80,00 | 95,00 | 6,30 |
| **TTH 914** | 82,55 | 98,20 | 13,00 |
| **TTH 915** | 85,00 | 100,00 | 13,00 |
| **TTH 915/1** | 85,00 | 100,00 | 12,50 |
| **TTH 916** | 85,00 | 100,50 | 6,30 |
| **TTH 917** | 90,00 | 105,00 | 6,30 |
| **TTH 918** | 90,00 | 105,00 | 13,00 |
| **TTH 918/1** | 90,00 | 105,00 | 12,50 |
| **TTH 919** | 95,00 | 110,00 | 13,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | d | D | H |
| **TTH 919/1** | 95,00 | 110,00 | 13,00 |
| **TTH 920** | 100,00 | 120,00 | 16,00 |
| **TTH 921** | 106,00 | 121,50 | 6,30 |
| **TTH 922** | 110,00 | 130,00 | 16,00 |
| **TTH 923** | 115,00 | 130,00 | 13,00 |
| **TTH 924** | 117,00 | 132,00 | 10,00 |
| **TTH 925** | 120,00 | 135,00 | 16,00 |
| **TTH 926** | 125,00 | 140,50 | 6,30 |
| **TTH 927** | 125,00 | 145,00 | 16,00 |
| **TTH 928** | 130,00 | 150,60 | 7,90 |
| **TTH 929** | 140,00 | 160,00 | 16,00 |
| **TTH 929/2** | 140,00 | 160,00 | 17,00 |
| **TTH 929/1** | 142,00 | 157,00 | 10,00 |
| **TTH 930** | 145,00 | 165,60 | 7,90 |
| **TTH 930/1** | 150,00 | 170,00 | 16,00 |
| **TTH 931** | 160,00 | 180,50 | 7,50 |
| **TTH 931/2** | 160,00 | 180,00 | 16,00 |
| **TTH 931/1** | 160,00 | 185,00 | 20,00 |
| **TTH 932** | 180,00 | 205,00 | 20,00 |
| **TTH 933** | 200,00 | 225,00 | 20,00 |
| **TTH 934** | 220,00 | 240,00 | 16,00 |

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# TTX
# TTX+S

**Juntas** de VÁSTAGO
ROD **seals**

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| **Versión standar** | | ***Standard version*** | |
|---|---|---|---|
| TTX<br>TTX+S | Poliuretano<br>Poliuretano+POM | *TTX*<br>*TTX+S* | *Polyrethane*<br>*Polyurethane+POM* |

| **Presión hasta / *Pressure up to*** | |
|---|---|
| TTX 40MPa | TTX+S 50MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 1.0 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos | *Hydraulic Cylinders* |
| Cilindros telescópicos | *Telescopic Cylinders* |
| Carretillas elevadoras | *Fork Lifts* |
| Cilindros de grúa | *Truck Crane Cylinders* |
| Excavadoras | *Excavators* |

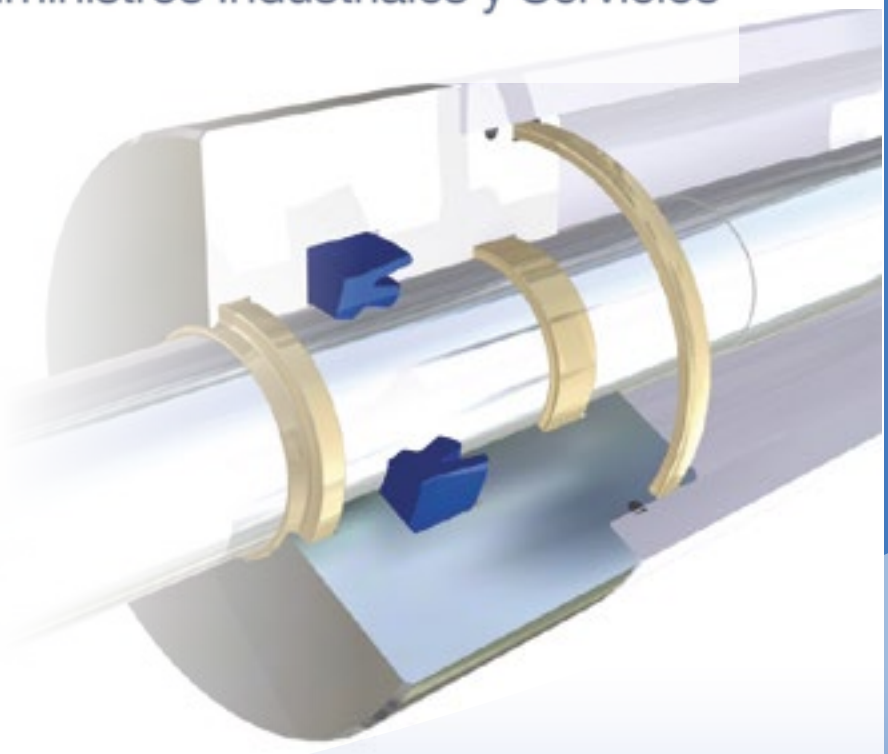


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TTX • TTX+S

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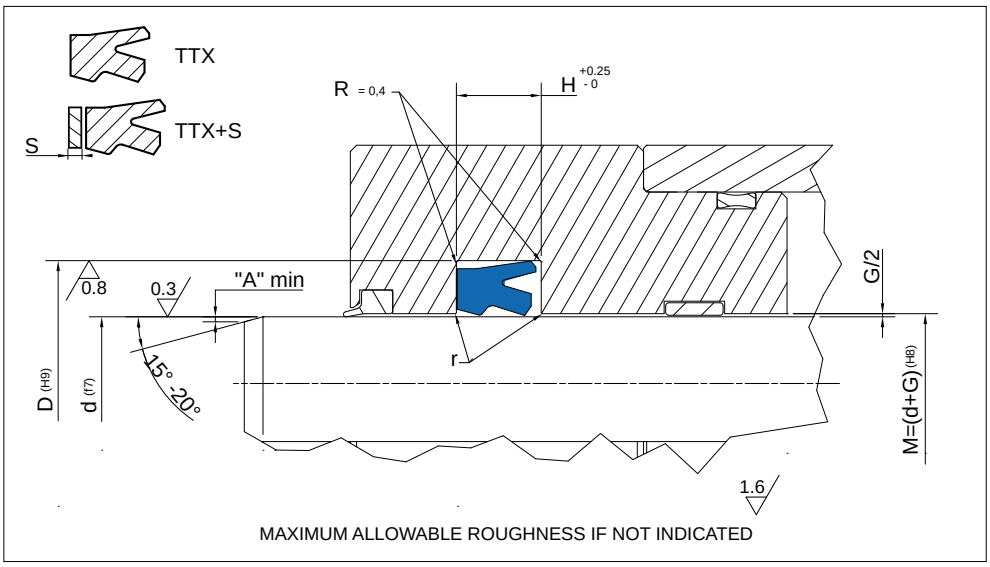
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Juntas de VÁSTAGO
ROD seals

# TTX
# TTX+S



MAXIMUM ALLOWABLE ROUGHNESS IF NOT INDICATED



| Rod Seal design guidelines | | | | |
|---|---|---|---|---|
| | 0mm < d ≤ 50mm | 50mm < d ≤ 100mm | 100mm < d ≤ 150mm | d ≥ 150mm |
| r | remove sharp edges | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | Operating pressure to determinate Maximum Gap Allowance: G/2 | | | | |
|---|---|---|---|---|---|
| | Profile Dimension | > 16 MPa | > 26 MPa | > 32 MPa | > 40 MPa |
| G | ≤ 5 | 0.50 mm | 0.40 mm | 0.35 mm | |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm | 0.40 mm | 0.35 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm | 0.45 mm | 0.40 mm |
| | 15 | 0.65 mm | 0.55 mm | 0.45 mm | 0.40 mm |

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | H+S |
| TTX 1300 | 18-26-5,8 | 18,00 | 26,00 | 6,30 | 7,50 |
| TTX 1300/1 | 20-28-5,8 | 20,00 | 28,00 | 6,30 | 7,50 |
| TTX 1300/3 | 20-28-5 | 20,00 | 28,00 | 6,00 | 7,50 |
| TTX 1300/2 | 22-32-7,5 | 22,00 | 32,00 | 8,00 | 9,70 |
| TTX 1300/4 | 22,4-30-5 | 22,40 | 30,00 | 6,00 | 7,50 |
| TTX 1301 | 25-33-5,8 | 25,00 | 33,00 | 6,30 | 7,50 |
| TTX 1301/1 | 25-33-5 | 25,00 | 33,00 | 6,00 | 7,50 |
| **TTX 1301/2** | **25-33-6,3** | 25,00 | 33,00 | 7,00 | 8,70 |
| **TTX 1302** | **25-35-7,2** | 25,00 | 35,00 | 8,00 | 9,70 |
| **TTX 1302/1** | **28-36-5,8** | 28,00 | 36,00 | 6,30 | 7,50 |
| **TTX 1302/5** | **28-38-7,2** | 28,00 | 38,00 | 8,00 | 9,70 |
| **TTX 1302/2** | **30-38-5,8** | 30,00 | 38,00 | 6,30 | 7,50 |
| **TTX 1302/3** | **30-38-6,2** | 30,00 | 38,00 | 7,00 | 8,70 |
| **TTX 1302/4** | **30-38-8,2** | 30,00 | 38,00 | 9,00 | 10,70 |
| **TTX 1303** | **30-40-7,2** | 30,00 | 40,00 | 8,00 | 9,70 |
| **TTX 1303/1** | **30-40-6** | 30,00 | 40,00 | 7,00 | 8,70 |
| **TTX 1304** | **32-42-7,2** | 32,00 | 42,00 | 8,00 | 9,70 |
| **TTX 1304/1** | **32-40-7,2** | 32,00 | 40,00 | 8,00 | 9,70 |
| **TTX 1305/2** | **35-45-6** | 35,00 | 45,00 | 7,00 | 8,70 |
| **TTX 1305** | **35-45-7,2** | 35,00 | 45,00 | 8,00 | 9,70 |
| **TTX 1305/1** | **35-43-5,8** | 35,00 | 43,00 | 6,30 | 7,50 |
| **TTX 1306** | **36-44-5,8** | 36,00 | 44,00 | 6,30 | 7,50 |
| **TTX 1307** | **36-46-7,2** | 36,00 | 46,00 | 8,00 | 9,70 |
| **TTX 1307/1** | **40-48-5,8** | 40,00 | 48,00 | 6,30 | 7,50 |
| **TTX 1307/3** | **40-48-6,3** | 40,00 | 48,00 | 7,00 | 8,70 |
| **TTX 1307/2** | **40-50-6** | 40,00 | 50,00 | 7,00 | 8,70 |
| **TTX 1308** | **40-50-7,2** | 40,00 | 50,00 | 8,00 | 9,70 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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Juntas de VÁSTAGO
ROD seals

# TTX
# TTX+S

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | H+S |
| TTX 1308/1 | 45-53-7,2 | 45,00 | 53,00 | 8,00 | 9,70 |
| TTX 1309 | 45-55-7,2 | 45,00 | 55,00 | 8,00 | 9,70 |
| TTX 1309/1 | 45-55-6 | 45,00 | 55,00 | 7,00 | 8,70 |
| TTX 1310 | 50-60-7,2 | 50,00 | 60,00 | 8,00 | 9,70 |
| TTX 1310/1 | 50-60-6 | 50,00 | 60,00 | 7,00 | 8,70 |
| TTX 1311 | 50-65-9,5 | 50,00 | 65,00 | 10,50 | 12,50 |
| TTX 1311/1 | 50-65-10,2 | 50,00 | 65,00 | 11,00 | 14,00 |
| TTX 1312 | 50-65-11,7 | 50,00 | 65,00 | 12,50 | 15,50 |
| TTX 1312/3 | 53-63-6 | 53,00 | 63,00 | 7,00 | 8,70 |
| TTX 1312/1 | 55-63-8,2 | 55,00 | 63,00 | 9,00 | 10,70 |
| TTX 1312/2 | 55-65-7,2 | 55,00 | 65,00 | 8,00 | 9,70 |
| TTX 1313 | 55-70-8,7 | 55,00 | 70,00 | 9,50 | 12,50 |
| TTX 1313/1 | 56-71-11,7 | 56,00 | 71,00 | 12,50 | 15,50 |
| TTX 1314 | 56-66-7,2 | 56,00 | 66,00 | 8,00 | 9,70 |
| TTX 1314/1 | 60-68-7,2 | 60,00 | 68,00 | 8,00 | 9,70 |
| TTX 1314/3 | 60-70-6 | 60,00 | 70,00 | 7,00 | 8,70 |
| TTX 1314/2 | 60-70-7,2 | 60,00 | 70,00 | 8,00 | 9,70 |
| TTX 1315 | 60-75-8,7 | 60,00 | 75,00 | 9,50 | 12,50 |
| TTX 1316 | 60-75-11,7 | 60,00 | 75,00 | 12,50 | 15,50 |
| TTX 1316/1 | 61-69-7,2 | 61,00 | 69,00 | 8,00 | 9,70 |
| TTX 1317 | 63-78-8,7 | 63,00 | 78,00 | 9,50 | 12,50 |
| TTX 1317/1 | 63-78-10,2 | 63,00 | 78,00 | 11,00 | 14,00 |
| TTX 1318 | 63-78-11,7 | 63,00 | 78,00 | 12,50 | 15,50 |
| TTX 1318/1 | 65-73-8,2 | 65,00 | 73,00 | 9,00 | 10,70 |
| TTX 1318/2 | 65-77-8,7 | 65,00 | 77,00 | 9,50 | 12,50 |
| TTX 1319 | 65-80-8,7 | 65,00 | 80,00 | 9,50 | 12,50 |
| TTX 1320 | 65-80-11,7 | 65,00 | 80,00 | 12,50 | 15,50 |
| TTX 1321 | 65-85-11,7 | 65,00 | 85,00 | 12,50 | 16,00 |
| TTX 1321/1 | 68-76-7,2 | 68,00 | 76,00 | 8,00 | 9,70 |
| TTX 1321/2 | 70-80-6 | 70,00 | 80,00 | 7,00 | 8,70 |
| TTX 1322 | 70-80-7,2 | 70,00 | 80,00 | 8,00 | 9,70 |
| TTX 1322/1 | 70-82-8,7 | 70,00 | 82,00 | 9,50 | 12,50 |
| TTX 1323 | 70-85-8,7 | 70,00 | 85,00 | 9,50 | 12,50 |
| TTX 1324 | 70-85-11,7 | 70,00 | 85,00 | 12,50 | 15,50 |
| TTX 1325 | 70-90-11,7 | 70,00 | 90,00 | 12,50 | 16,00 |
| TTX 1325/1 | 75-83-7,2 | 75,00 | 83,00 | 8,00 | 9,70 |
| TTX 1325/3 | 75-85-6 | 75,00 | 85,00 | 7,00 | 8,70 |
| TTX 1325/2 | 75-87-8,7 | 75,00 | 87,00 | 9,50 | 12,50 |
| TTX 1326 | 75-90-8,7 | 75,00 | 90,00 | 9,50 | 12,50 |
| TTX 1327 | 75-90-11,7 | 75,00 | 90,00 | 12,50 | 15,50 |
| TTX 1328 | 75-95-11,7 | 75,00 | 95,00 | 12,50 | 16,00 |
| TTX 1328/1 | 80-90-6 | 80,00 | 90,00 | 7,00 | 8,70 |
| TTX 1329 | 80-90-7,2 | 80,00 | 90,00 | 8,00 | 9,70 |
| TTX 1329/1 | 80-92-8,7 | 80,00 | 92,00 | 9,50 | 12,50 |
| TTX 1330 | 80-95-8,7 | 80,00 | 95,00 | 9,50 | 12,50 |
| TTX 1331 | 80-95-11,7 | 80,00 | 95,00 | 12,50 | 15,50 |
| TTX 1332/1 | 85-93-8,2 | 85,00 | 93,00 | 9,00 | 10,70 |
| TTX 1332 | 85-95-8,7 | 85,00 | 95,00 | 9,50 | 12,50 |
| TTX 1332/2 | 85-97-8,7 | 85,00 | 97,00 | 9,50 | 12,50 |
| TTX 1333 | 85-100-8,7 | 85,00 | 100,00 | 9,50 | 12,50 |
| TTX 1334 | 85-100-11,7 | 85,00 | 100,00 | 12,50 | 15,50 |
| TTX 1335 | 85-105-11,7 | 85,00 | 105,00 | 12,50 | 16,00 |

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Juntas de VÁSTAGO
ROD seals

# TTX
# TTX+S



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | H+S |
| TTX 1335/2 | 90-98-7,2 | 90,00 | 98,00 | 8,00 | 9,70 |
| TTX 1335/1 | 90-102-8,7 | 90,00 | 102,00 | 9,50 | 12,50 |
| TTX 1336 | 90-105-8,7 | 90,00 | 105,00 | 9,50 | 12,50 |
| TTX 1337 | 90-105-11,7 | 90,00 | 105,00 | 12,50 | 15,50 |
| TTX 1338 | 90-110-11,7 | 90,00 | 110,00 | 12,50 | 16,00 |
| TTX 1339 | 95-110-11,7 | 95,00 | 110,00 | 12,50 | 15,50 |
| TTX 1340 | 95-115-11,7 | 95,00 | 115,00 | 12,50 | 16,00 |
| TTX 1341 | 100-115-8,7 | 100,00 | 115,00 | 9,50 | 12,50 |
| TTX 1341/1 | 100-115-11,3 | 100,00 | 115,00 | 12,50 | 15,50 |
| TTX 1341/2 | 100-120-15,2 | 100,00 | 120,00 | 16,00 | 19,50 |
| TTX 1342 | 100-120-11,7 | 100,00 | 120,00 | 12,50 | 16,00 |
| TTX 1342/1 | 105-113-7,2 | 105,00 | 113,00 | 8,00 | 9,70 |
| TTX 1342/2 | 105-113-8,2 | 105,00 | 113,00 | 9,00 | 10,70 |
| TTX 1343 | 105-125-11,7 | 105,00 | 125,00 | 12,50 | 16,00 |
| TTX 1344 | 105-125-15,2 | 105,00 | 125,00 | 16,00 | 19,50 |
| TTX 1344/1 | 107-115-8 | 107,00 | 115,00 | 9,00 | 10,70 |
| TTX 1344/2 | 110-120-10,2 | 110,00 | 120,00 | 11,00 | 14,00 |
| TTX 1345 | 110-125-8,7 | 110,00 | 125,00 | 9,50 | 12,50 |
| TTX 1345/1 | 110-125-11,3 | 110,00 | 125,00 | 12,50 | 15,50 |
| TTX 1346 | 110-130-11,7 | 110,00 | 130,00 | 12,50 | 16,00 |
| TTX 1347 | 110-130-15,2 | 110,00 | 130,00 | 16,00 | 19,50 |
| TTX 1347/2 | 112-125-9 | 112,00 | 125,00 | 10,00 | 11,70 |
| TTX 1347/1 | 120-128-7,2 | 120,00 | 128,00 | 8,00 | 9,70 |
| TTX 1348 | 120-140-11,7 | 120,00 | 140,00 | 12,50 | 16,00 |
| TTX 1348/1 | 120-140-15,2 | 120,00 | 140,00 | 16,00 | 19,50 |
| TTX 1348/2 | 125-133-8,2 | 125,00 | 133,00 | 9,00 | 10,70 |
| TTX 1348/3 | 125-145-15,2 | 125,00 | 145,00 | 16,00 | 19,50 |
| TTX 1349 | 130-150-11,7 | 130,00 | 150,00 | 12,50 | 16,00 |
| TTX 1350 | 130-150-15,2 | 130,00 | 150,00 | 16,00 | 19,50 |
| TTX 1350/A | 138-148-8,2 | 138,00 | 148,00 | 9,00 | 10,70 |
| TTX 1350/6 | 136-150-9 | 136,00 | 150,00 | 10,00 | 11,70 |
| TTX 1350/1 | 140-148-7,2 | 140,00 | 148,00 | 8,00 | 9,70 |
| TTX 1350/2 | 140-160-15,2 | 140,00 | 160,00 | 16,00 | 19,50 |
| TTX 1350/8 | 150-170-15,2 | 150,00 | 170,00 | 16,00 | 19,50 |
| TTX 1350/3 | 160-180-15,2 | 160,00 | 180,00 | 16,00 | 19,50 |
| TTX 1350/4 | 170-180-10 | 170,00 | 180,00 | 11,00 | 14,00 |
| TTX 1350/7 | 180-200-15,2 | 180,00 | 200,00 | 16,00 | 19,50 |
| TTX 1350/5 | 190-215-15 | 190,00 | 215,00 | 16,00 | 19,50 |
| TTX 1351 | 200-220-11,7 | 200,00 | 220,00 | 12,50 | 16,00 |
| TTX 1351/1 | 200-220-15,2 | 200,00 | 220,00 | 16,00 | 19,50 |
| TTX 1352 | 280-300-11,7 | 280,00 | 300,00 | 12,50 | 16,00 |

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# GIP

**Juntas** de VÁSTAGO
ROD **seals**

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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano +OR NBR | *Polyurethane+OR NBR* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| Poliuretano Baja Temp.+OR NBR Baja Temperatura | *Polyurethane Low temp.+OR NBR Low temp* |

| **Presión hasta / *Pressure up to*** |
|---|
| 25 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -35°C +100°C | -45°C +110°C PN 522 |

| **Cilindros para aplicaciones pesadas / *Heavy duty applications*** |
|---|
| -35°C +100°C PB 546 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros especiales<br>Cilindros para aplicaciones ligeras y medianas | *Special Cylinders*<br>*Cylinders for Light and Medium duty applications* |

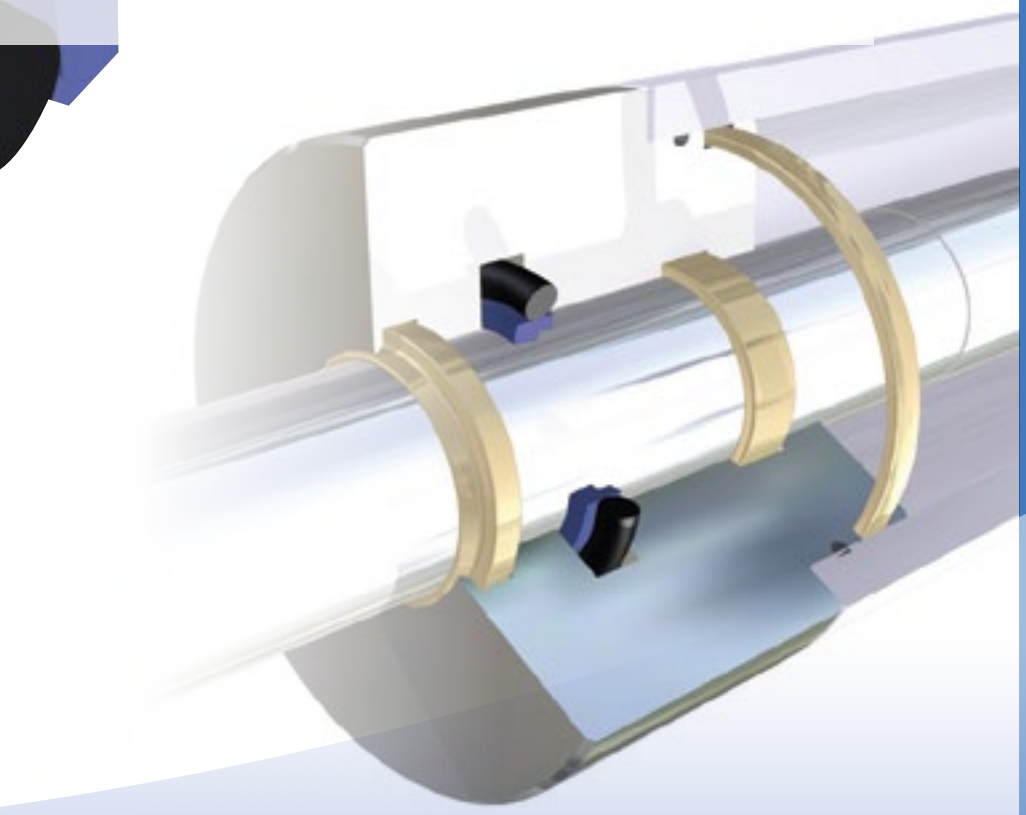


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# GIP

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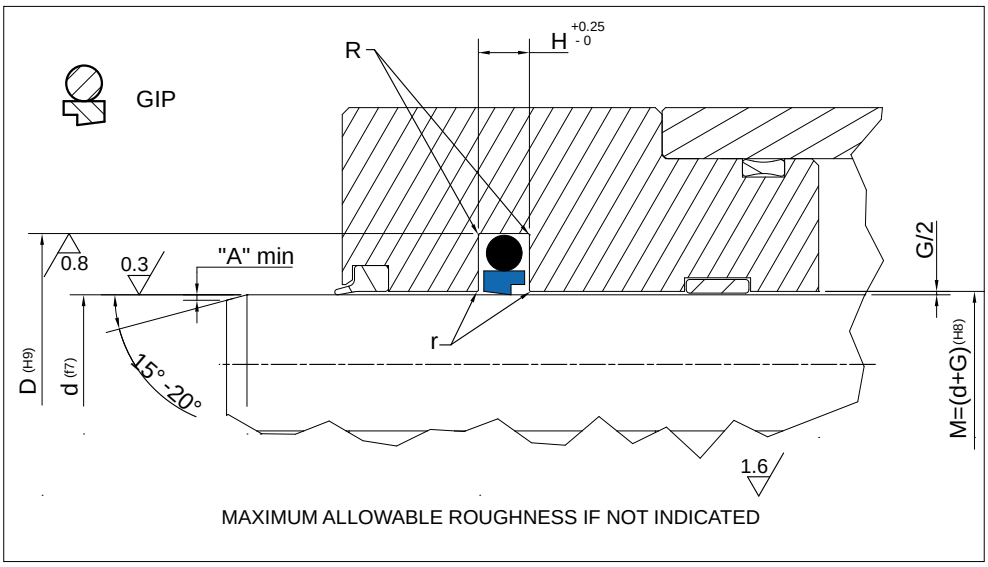
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Juntas de VÁSTAGO
ROD seals

# GIP



MAXIMUM ALLOWABLE ROUGHNESS IF NOT INDICATED



**Rod Seal design guidelines**

| | | | | |
|---|---|---|---|---|
| **R** | **0mm < d ≤ 50mm** | **50mm < d ≤ 100mm** | **100mm < d ≤ 150mm** | **d ≥ 150mm** |
| | max 0.30 mm | max 0.60 mm | max 0.80 mm | max 1 mm |
| **r** | remove sharp edges | | | |
| **A** | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | **Operating pressure to determinate Maximum Gap Allowance** | | |
|---|---|---|---|
| | **Profile Dimension** | **> 16 MPa** | **> 26 MPa** |
| **G** | ≤ 5 | 0.50 mm | 0.40 mm |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm |
| | 15 | 0.65 mm | 0.55 mm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | d | D | H | OR |
| GIP 0400 | 40,00 | 55,10 | 6,30 | 328 |
| GIP 0450 | 45,00 | 60,10 | 6,30 | 329 |
| GIP 0500 | 50,00 | 65,10 | 6,30 | 331 |
| GIP 0550 | 55,00 | 70,10 | 6,30 | 332 |
| GIP 0600 | 60,00 | 75,10 | 6,30 | 334 |
| GIP 0630 | 63,00 | 78,00 | 6,30 | 335 |
| GIP 0650 | 65,00 | 80,10 | 6,30 | 335 |
| **GIP 0700** | 70,00 | 85,10 | 6,30 | **337** |
| **GIP 0750** | 75,00 | 90,10 | 6,30 | **339** |
| **GIP 0800** | 80,00 | 95,10 | 6,30 | **340** |
| **GIP 0850** | 85,00 | 100,10 | 6,30 | **342** |
| **GIP 0900** | 90,00 | 105,10 | 6,30 | **343** |
| **GIP 0950** | 95,00 | 110,10 | 6,30 | **345** |
| **GIP 1000** | 100,00 | 115,10 | 6,30 | **346** |
| **GIP 1100** | 110,00 | 125,10 | 6,30 | **350** |
| **GIP 1200** | 120,00 | 135,10 | 6,30 | **353** |
| **GIP 1250** | 125,00 | 140,10 | 6,30 | **354** |
| **GIP 1300** | 130,00 | 145,10 | 6,30 | **356** |
| **GIP 1400** | 140,00 | 155,10 | 6,30 | **359** |
| **GIP 1500** | 150,00 | 165,10 | 6,30 | **361** |
| **GIP 1600** | 160,00 | 175,10 | 6,30 | **363** |
| **GIP 1700** | 170,00 | 185,10 | 6,30 | **365** |
| **GIP 1800** | 180,00 | 195,10 | 6,30 | **366** |
| **GIP 1900** | 190,00 | 205,10 | 6,30 | **368** |
| **GIP 2000** | 200,00 | 220,50 | 8,10 | **445** |
| | | | | |
| | | | | |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*



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Suministros Industriales y Servicios

# TLI

**Juntas** de VÁSTAGO
**ROD seals**

TECNOTEX



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Suministros Industriales y Servicios

| Versión standar | *Standard version* |
|---|---|
| Goma-lona | *NBR/Cotton Fabric* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| Goma-lona FKM | *NBR/Cotton Fabric FKM* |

| **Presión hasta / *Pressure up to*** |
|---|
| 50 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 1 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -30°C +110°C | -20°C +200°C FKM |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Prensas<br>Siderurgia<br>Acería<br>Cizallas hidráulicas | *Presses*<br>*Steel Mills*<br>*Continuos casting*<br>*Hydraulic Scrap shears* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

TLI



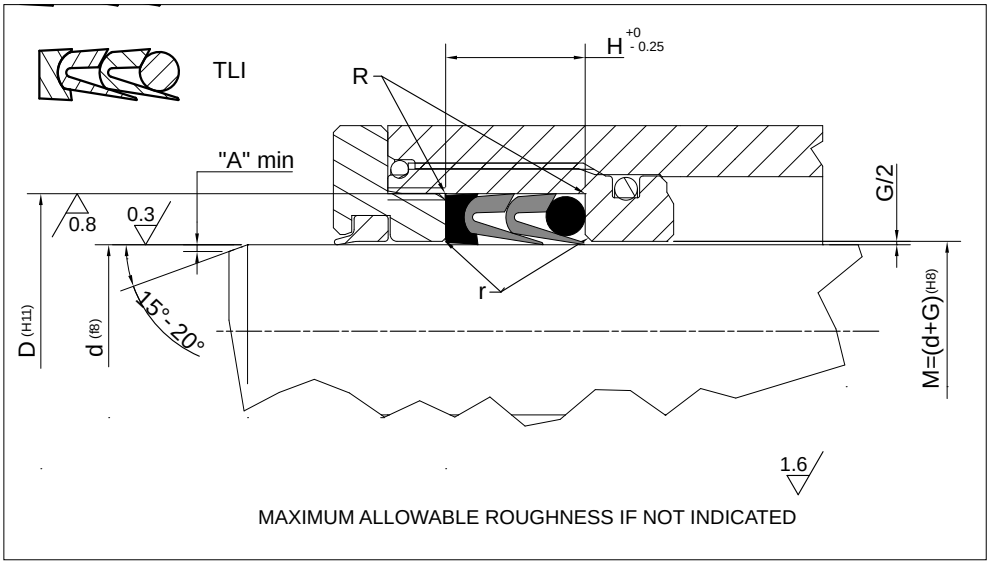
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TECNOTEX

Juntas de VÁSTAGO
ROD seals

# TLI




MAXIMUM ALLOWABLE ROUGHNESS IF NOT INDICATED



**Rod Seal design guidelines**

| | | | | |
|---|---|---|---|---|
| **R** | **0mm < d ≤ 50mm** | **50mm < d ≤ 100mm** | **100mm < d ≤ 150mm** | **d ≥ 150mm** |
| | max 0.30 mm | max 0.60 mm | max 0.80 mm | max 1 mm |
| **r** | remove sharp edges | | | |
| **A** | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | **Operating pressure to determinate Maximum Gap Allowance: G/2** | | | | |
|---|---|---|---|---|---|
| | **Profile Dimension** | **> 16 MPa** | **> 26 MPa** | **> 32 MPa** | **> 40 MPa** |
| **G** | ≤ 5 | 0.50 mm | 0.40 mm | 0.35 mm | |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm | 0.40 mm | 0.35 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm | 0.45 mm | 0.40 mm |
| | 15 | 0.65 mm | 0.55 mm | 0.45 mm | 0.40 mm |

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TLI 6001 | 078031 | 8,00 | 20,00 | 23,50 |
| TLI 6002 | 086039 | 10,00 | 22,00 | 23,50 |
| TLI 6003 | 094047 | 12,00 | 24,00 | 23,50 |
| TLI 6004 | 102055 | 14,00 | 24,00 | 23,50 |
| TLI 6005 | 106059 | 15,00 | 27,00 | 23,50 |
| TLI 6006 | 110052 | 16,00 | 28,00 | 23,50 |
| TLI 6007 | 118070 | 18,00 | 30,00 | 23,50 |
| **TLI 6008** | **125078** | 20,00 | 32,00 | 23,50 |
| **TLI 6009** | **133096** | 22,00 | 34,00 | 23,50 |
| **TLI 6010** | **157098** | 25,00 | 40,00 | 28,40 |
| **TLI 6011** | **169110** | 28,00 | 43,00 | 28,40 |
| **TLI 6012** | **177118** | 30,00 | 45,00 | 28,40 |
| **TLI 6013** | **165125** | 32,00 | 47,00 | 28,40 |
| **TLI 6014** | **196137** | 35,00 | 50,00 | 28,40 |
| **TLI 6015** | **200141** | 36,00 | 51,00 | 28,40 |
| **TLI 6016** | **216157** | 40,00 | 55,00 | 28,40 |
| **TLI 6017** | **224165** | 42,00 | 57,00 | 28,40 |
| **TLI 6018** | **255177** | 45,00 | 65,00 | 37,50 |
| **TLI 6019** | **275195** | 50,00 | 70,00 | 37,50 |
| **TLI 6020** | **295216** | 55,00 | 75,00 | 37,50 |
| **TLI 6021** | **299220** | 56,00 | 76,00 | 37,50 |
| **TLI 6022** | **314236** | 60,00 | 80,00 | 37,50 |
| **TLI 6023** | **326248** | 63,00 | 83,00 | 37,50 |
| **TLI 6024** | **334255** | 65,00 | 85,00 | 37,50 |
| **TLI 6025** | **354275** | 70,00 | 90,00 | 37,50 |
| **TLI 6026** | **374295** | 75,00 | 95,00 | 37,50 |
| **TLI 6027** | **393314** | 80,00 | 100,00 | 37,50 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| **TLI 6028** | **413334** | 85,00 | 105,00 | 37,50 |
| **TLI 6029** | **433354** | 90,00 | 110,00 | 37,50 |
| **TLI 6030** | **492393** | 100,00 | 125,00 | 47,00 |
| **TLI 6031** | **531433** | 110,00 | 135,00 | 47,00 |
| **TLI 6032** | **551452** | 115,00 | 140,00 | 47,00 |
| **TLI 6033** | **590492** | 125,00 | 150,00 | 47,00 |
| **TLI 6034** | **649551** | 140,00 | 165,00 | 47,00 |
| **TLI 6035** | **708590** | 150,00 | 180,00 | 56,30 |
| **TLI 6036** | **748628** | 160,00 | 190,00 | 56,30 |
| **TLI 6037** | **876709** | 180,00 | 210,00 | 56,30 |
| **TLI 6038** | **805787** | 200,00 | 230,00 | 56,30 |

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# GUA-RING 02



**Juntas** de VÁSTAGO
ROD **seals**

## TEF-RING

| Versión standar | *Standard version* |
|---|---|
| PTFE carga de vidrio + OR NBR | *Glass filled PTFE + OR NBR* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| PTFE carga de vidrio + OR FKM | *Glass filled PTFE + OR FKM* |

| **Presión hasta / *Pressure up to*** | |
|---|---|
| 50 MPa | |

| **Velocidad hasta / *Speed up to*** | |
|---|---|
| 12 m/s | |

| **Temperatura / *Temperature*** | |
|---|---|
| -30°C +100°C | -10°C +200°C FKM |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Prensas<br>Cilindros hidraúlicos<br>Acumuladores hidráulicos | *Presses*<br>*Hydraulic Cylinders*<br>*Hydraulic Accumulators* |

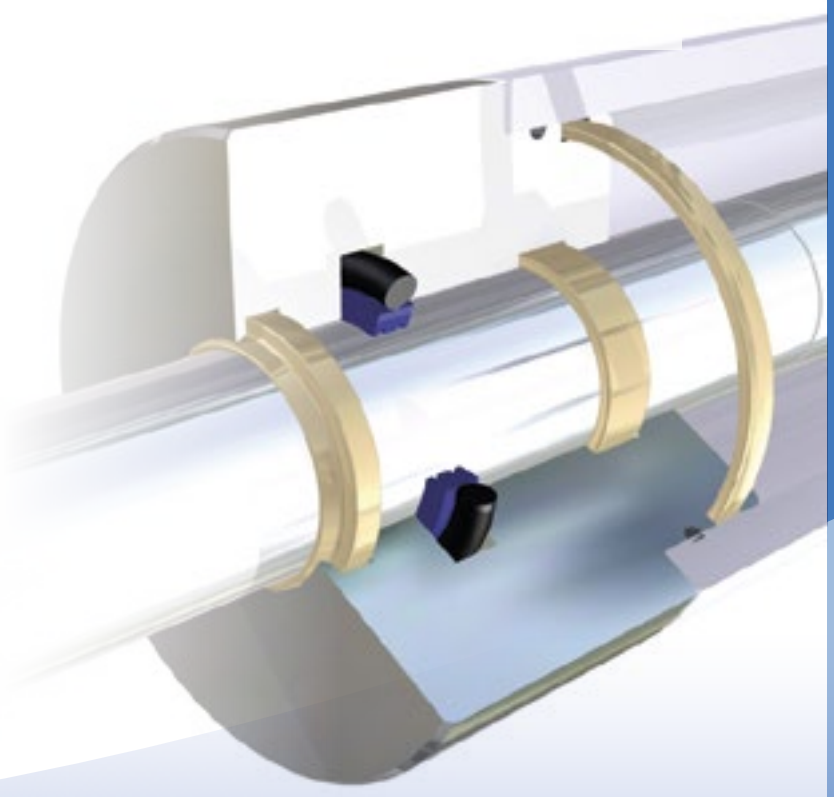


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GUA-RING 02

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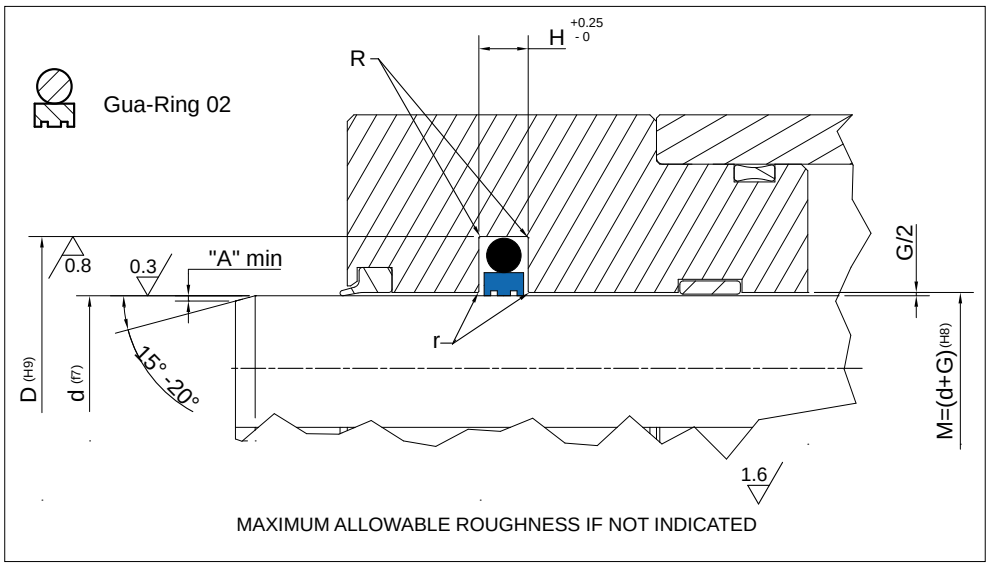


# TEF-RING

Juntas de VÁSTAGO
ROD seals

# GUA-RING 02






**Rod Seal design guidelines**

| | | | | |
|---|---|---|---|---|
| **R** | **0mm < d ≤ 50mm** | **50mm < d ≤ 100mm** | **100mm < d ≤ 150mm** | **d ≥ 150mm** |
| | max 0.30 mm | max 0.60 mm | max 0.80 mm | max 1 mm |
| **r** | remove sharp edges | | | |
| **A** | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | **Operating pressure to determinate Maximum Gap Allowance: G/2** | | | |
|---|---|---|---|---|
| **Profile Dimension** | **> 16 MPa** | **> 26 MPa** | **> 32 MPa** | **> 40 MPa** |
| ≤ 5 | 0.50 mm | 0.40 mm | 0.35 mm | |
| > 5.0 – 7.5 | 0.55 mm | 0.45 mm | 0.40 mm | 0.35 mm |
| > 7.5 – 12.5 | 0.60 mm | 0.50 mm | 0.45 mm | 0.40 mm |
| 15 | 0.65 mm | 0.55 mm | 0.45 mm | 0.40 mm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | d | D | A | OR |
| 02.007 | 7,00 | 11,00 | 1,95 | 011 |
| 02.008 | 8,00 | 12,00 | 1,95 | 012 |
| 02.010 | 10,00 | 14,00 | 1,95 | 013 |
| 02.012 | 12,00 | 16,00 | 1,95 | 014 |
| 02.014 | 14,00 | 18,00 | 1,95 | 016 |
| 02.015 | 15,00 | 19,00 | 1,95 | 016 |
| 02.016 | 16,00 | 20,00 | 2,80 | 115 |
| **02.018** | 18,00 | 24,00 | 2,80 | **116** |
| **02.020** | 20,00 | 26,00 | 2,80 | **118** |
| **02.022** | 22,00 | 28,00 | 2,80 | **119** |
| **02.025** | 25,00 | 31,00 | 2,80 | **121** |
| **02.028** | 28,00 | 36,00 | 3,75 | **217** |
| **02.030** | 30,00 | 38,00 | 3,75 | **218** |
| **02.032** | 32,00 | 40,00 | 3,75 | **220** |
| **02.033** | 33,00 | 41,00 | 3,75 | **220** |
| **02.035** | 35,00 | 43,00 | 3,75 | **221** |
| **02.036** | 36,00 | 44,00 | 3,75 | **222** |
| **02.038** | 38,00 | 46,00 | 3,75 | **223** |
| **02.040** | 40,00 | 48,00 | 3,75 | **223** |
| **02.042** | 42,00 | 50,00 | 3,75 | **224** |
| **02.045** | 45,00 | 53,00 | 3,75 | **225** |
| **02.048** | 48,00 | 54,00 | 3,75 | **226** |
| **02.050** | 50,00 | 62,50 | 5,50 | **330** |
| **02.052** | 52,00 | 64,50 | 5,50 | **330** |
| **02.055** | 55,00 | 67,50 | 5,50 | **331** |
| **02.058** | 58,00 | 70,50 | 5,50 | **332** |
| **02.060** | 60,00 | 72,50 | 5,50 | **333** |

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# TEF-RING

Juntas de VÁSTAGO
ROD seals

# GUA-RING 02

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | d | D | A | OR |
| 02.063 | 63,00 | 75,50 | 5,50 | 334 |
| 02.065 | 65,00 | 77,50 | 5,50 | 334 |
| 02.068 | 68,00 | 80,50 | 5,50 | 335 |
| 02.070 | 70,00 | 82,50 | 5,50 | 336 |
| 02.072 | 72,00 | 84,50 | 5,50 | 337 |
| 02.075 | 75,00 | 87,50 | 5,50 | 338 |
| 02.078 | 78,00 | 90,50 | 5,50 | 339 |
| 02.080 | 80,00 | 92,50 | 5,50 | 339 |
| 02.085 | 85,00 | 97,50 | 5,50 | 341 |
| 02.090 | 90,00 | 102,50 | 5,50 | 342 |
| 02.092 | 92,00 | 104,50 | 5,50 | 343 |
| 02.095 | 95,00 | 107,50 | 5,50 | 344 |
| 02.100 | 100,00 | 112,50 | 5,50 | 345 |
| 02.104 | 104,00 | 116,50 | 5,50 | 347 |
| 02.105 | 105,00 | 117,50 | 5,50 | 347 |
| 02.108 | 108,00 | 120,50 | 5,50 | 348 |
| 02.110 | 110,00 | 122,50 | 5,50 | 349 |
| 02.115 | 115,00 | 127,50 | 7,45 | 427 |
| 02.120 | 120,00 | 132,50 | 7,45 | 428 |
| 02.125 | 125,00 | 137,50 | 7,45 | 430 |
| 02.130 | 130,00 | 145,80 | 7,45 | 431 |
| 02.135 | 135,00 | 150,80 | 7,45 | 433 |
| 02.140 | 140,00 | 155,80 | 7,45 | 434 |
| 02.145 | 145,00 | 160,80 | 7,45 | 436 |
| 02.150 | 150,00 | 165,80 | 7,45 | 437 |
| 02.155 | 155,00 | 170,80 | 7,45 | 438 |
| 02.160 | 160,00 | 175,80 | 7,45 | 439 |
| 02.165 | 165,00 | 180,80 | 7,45 | 440 |
| 02.170 | 170,00 | 185,80 | 7,45 | 440 |
| 02.180 | 180,00 | 195,80 | 7,45 | 442 |
| 02.185 | 185,00 | 200,80 | 7,45 | 443 |
| 02.190 | 190,00 | 205,80 | 7,45 | 443 |
| 02.200 | 200,00 | 215,80 | 7,45 | 445 |
| 02.210 | 210,00 | 225,80 | 7,45 | 446 |
| 02.212 | 212,00 | 227,80 | 7,45 | 446 |
| 02.215 | 215,00 | 230,80 | 7,45 | 676 |
| 02.220 | 220,00 | 235,80 | 7,45 | 676 |
| 02.222 | 222,00 | 237,80 | 7,45 | 447 |
| 02.225 | 225,00 | 240,80 | 7,45 | 447 |
| 02.230 | 230,00 | 245,80 | 7,45 | 678 |
| 02.240 | 240,00 | 255,80 | 7,45 | 680 |
| 02.250 | 250,00 | 265,80 | 7,45 | 449 |
| 02.260 | 260,00 | 275,80 | 7,45 | 450 |
| 02.262 | 262,00 | 277,80 | 7,45 | 450 |
| 02.270 | 270,00 | 285,80 | 7,45 | 684 |
| 02.280 | 280,00 | 295,80 | 7,45 | 686 |
| 02.285 | 285,00 | 300,80 | 7,45 | 452 |
| 02.290 | 290,00 | 305,80 | 7,45 | 452 |
| 02.295 | 295,00 | 310,80 | 7,45 | 688 |
| 02.300 | 300,00 | 315,80 | 7,45 | 453 |
| 02.320 | 320,00 | 335,80 | 7,45 | 454 |
| 02.330 | 330,00 | 345,80 | 7,45 | 455 |

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# TEF-RING

Juntas de VÁSTAGO
ROD seals

# GUA-RING 02



| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | d | D | A | OR |
| **02.340** | 340,00 | 355,80 | 7,45 | **456** |
| **02.345** | 345,00 | 360,80 | 7,45 | **457** |
| **02.350** | 350,00 | 365,80 | 7,45 | **457** |
| **02.360** | 360,00 | 375,80 | 7,45 | **458** |
| **02.370** | 370,00 | 385,80 | 7,45 | **458** |
| **02.380** | 380,00 | 395,80 | 7,45 | **459** |
| **02.390** | 390,00 | 405,80 | 7,45 | **460** |
| **02.400** | 400,00 | 415,80 | 7,45 | **461** |
| **02.420** | 420,00 | 435,80 | 7,45 | **463** |
| **02.460** | 460,00 | 475,80 | 7,45 | **466** |
| **02.500** | 500,00 | 515,80 | 7,45 | **469** |

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Suministros Industriales y Servicios

# GIR



**Juntas** de VÁSTAGO
ROD **seals**

## TEF-RING

| Versión standar | *Standard version* |
|---|---|
| PTFE carga de bronce+OR NBR | *Bronze filled PTFE+OR NBR* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| PTFE carga de bronce+OR FKM<br>PTFE carga de bronce+OR NBR Baja Temperatura | *Bronze filled PTFE+OR FKM*<br>*Bronze filled PTFE+OR NBR low temp.* |

| **Presión hasta / *Pressure up to*** |
|---|
| 50 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 15 m/s |

| **Temperatura / *Temperature*** | | |
|---|---|---|
| -30°C +100°C | -10°C +200°C FKM | -50°C +100°C TDS 108 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros especiales | *Special Cylinders* |
| Hidráulica móvil | *Mobile Hydraulics* |
| Máquinas de movimiento de tierra | *Earth moving machinery* |
| Prensas | *Presses* |
| Máquinas de inyección | *Injection moulding machines* |

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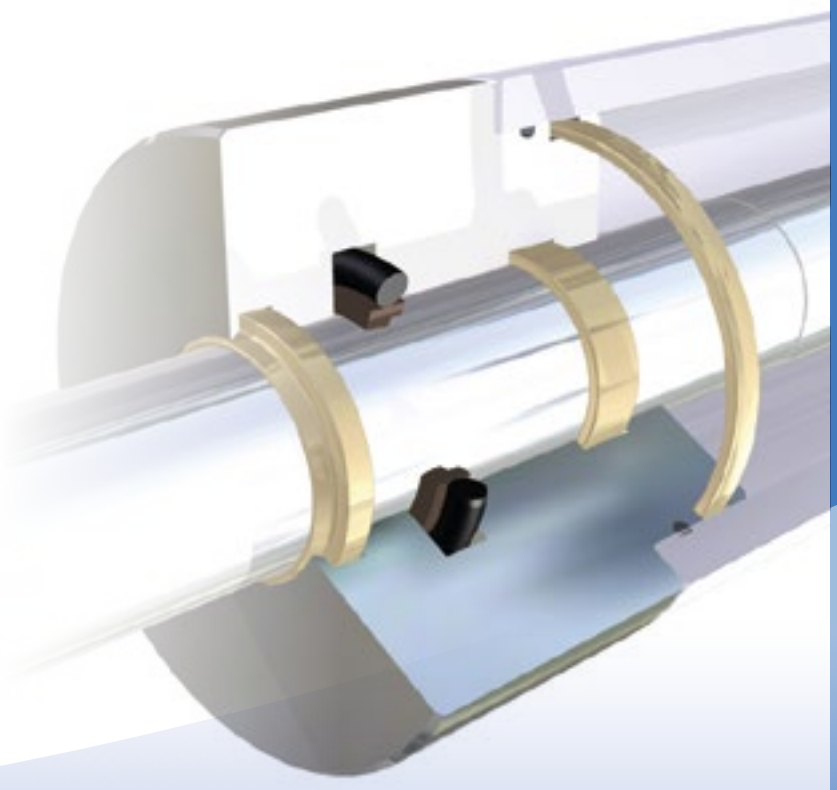


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# GIR



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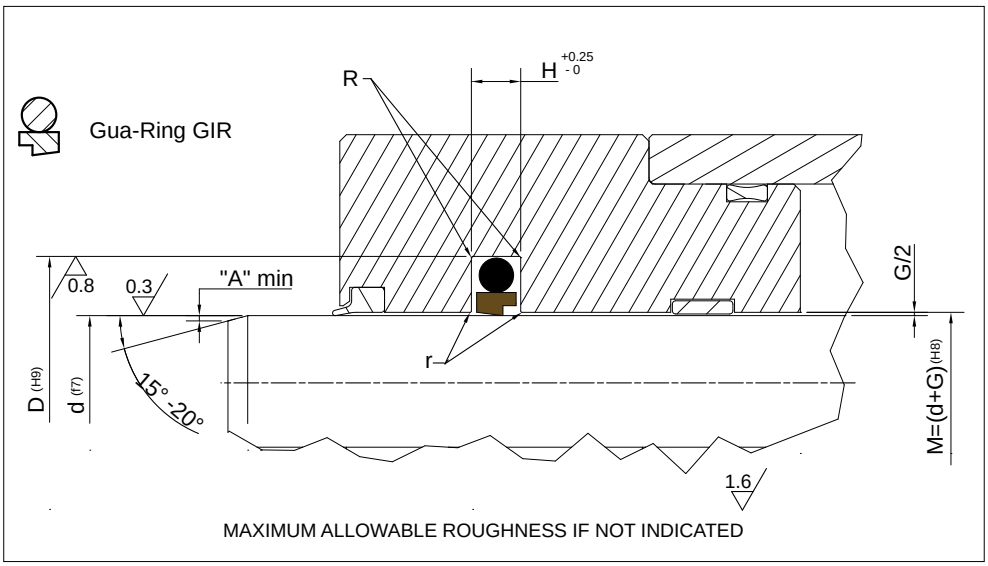


# TEF-RING

Juntas de VÁSTAGO
ROD seals

# GIR






MAXIMUM ALLOWABLE ROUGHNESS IF NOT INDICATED

**Rod Seal design guidelines**

| | | | |
|---|---|---|---|
| **R** | **0mm < d ≤ 50mm** | **50mm < d ≤ 100mm** | **100mm < d ≤ 190mm** |
| | max 0.80 mm | max 1,20 mm | max 2.00 mm |
| **r** | remove sharp edges | | |
| **A** | 1 mm | 2 mm | 3 mm < A ≤ 5 mm |

| | **Operating pressure to determinate Maximum Gap Allowance: G/2** | | | | |
|---|---|---|---|---|---|
| | **Profile Dimension** | **> 16 MPa** | **> 26 MPa** | **> 32 MPa** | **> 40 MPa** |
| **G** | ≤ 5 | 0.50 mm | 0.40 mm | 0.35 mm | |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm | 0.40 mm | 0.35 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm | 0.45 mm | 0.40 mm |
| | 15 | 0.65 mm | 0.55 mm | 0.45 mm | 0.40 mm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | d | D | H | OR |
| GIR 0040 | 4,00 | 8,90 | 2,20 | 010 |
| GIR 0050 | 5,00 | 9,90 | 2,20 | 010 |
| GIR 0070 | 7,00 | 11,90 | 2,20 | 012 |
| GIR 0080 | 8,00 | 15,30 | 3,20 | 111 |
| GIR 0100 | 10,00 | 17,30 | 3,20 | 112 |
| GIR 0120 | 12,00 | 19,30 | 3,20 | 114 |
| GIR 0140 | 14,00 | 21,30 | 3,20 | 115 |
| **GIR 0150** | 15,00 | 22,30 | 3,20 | **116** |
| **GIR 0160** | 16,00 | 23,30 | 3,20 | **116** |
| **GIR 0180** | 18,00 | 25,30 | 3,20 | **117** |
| **GIR 0200** | 20,00 | 30,70 | 4,20 | **214** |
| **GIR 0220** | 22,00 | 32,70 | 4,20 | **215** |
| **GIR 0240** | 24,00 | 34,70 | 4,20 | **216** |
| **GIR 0250** | 25,00 | 35,70 | 4,20 | **217** |
| **GIR 0260** | 26,00 | 36,70 | 4,20 | **218** |
| **GIR 0280** | 28,00 | 38,70 | 4,20 | **219** |
| **GIR 0300** | 30,00 | 40,70 | 4,20 | **220** |
| **GIR 0320** | 32,00 | 42,70 | 4,20 | **221** |
| **GIR 0350** | 35,00 | 45,70 | 4,20 | **222** |
| **GIR 0360** | 36,00 | 46,70 | 4,20 | **223** |
| **GIR 0370** | 37,00 | 47,70 | 4,20 | **223** |
| **GIR 0380** | 38,00 | 53,10 | 6,30 | **327** |
| **GIR 0400** | 40,00 | 55,10 | 6,30 | **328** |
| **GIR 0420** | 42,00 | 57,10 | 6,30 | **328** |
| **GIR 0450** | 45,00 | 60,10 | 6,30 | **329** |
| **GIR 0480** | 48,00 | 63,10 | 6,30 | **330** |
| **GIR 0500** | 50,00 | 65,10 | 6,30 | **331** |

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# TEF-RING

Juntas de VÁSTAGO
ROD seals

# GIR

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | d | D | H | OR |
| GIR 0520 | 52,00 | 67,10 | 6,30 | 331 |
| GIR 0550 | 55,00 | 70,10 | 6,30 | 332 |
| GIR 0560 | 56,00 | 71,50 | 6,30 | 333 |
| GIR 0600 | 60,00 | 75,10 | 6,30 | 334 |
| GIR 0630 | 63,00 | 78,10 | 6,30 | 335 |
| GIR 0650 | 65,00 | 80,10 | 6,30 | 335 |
| GIR 0700 | 70,00 | 85,10 | 6,30 | 337 |
| GIR 0750 | 75,00 | 90,10 | 6,30 | 339 |
| GIR 0800 | 80,00 | 95,10 | 6,30 | 340 |
| GIR 0850 | 85,00 | 100,10 | 6,30 | 342 |
| GIR 0900 | 90,00 | 105,10 | 6,30 | 343 |
| GIR 0950 | 95,00 | 110,10 | 6,30 | 345 |
| GIR 1000 | 100,00 | 115,10 | 6,30 | 346 |
| GIR 1100 | 110,00 | 125,10 | 6,30 | 350 |
| GIR 1200 | 120,00 | 135,10 | 6,30 | 353 |
| GIR 1250 | 125,00 | 140,10 | 6,30 | 354 |
| GIR 1300 | 130,00 | 145,10 | 6,30 | 356 |
| GIR 1400 | 140,00 | 155,10 | 6,30 | 359 |
| GIR 1500 | 150,00 | 165,10 | 6,30 | 361 |
| GIR 1550 | 155,00 | 170,10 | 6,30 | 362 |
| GIR 1600 | 160,00 | 175,10 | 6,30 | 363 |
| GIR 1700 | 170,00 | 185,10 | 6,30 | 365 |
| GIR 1750 | 175,00 | 190,10 | 6,30 | 365 |
| GIR 1800 | 180,00 | 195,10 | 6,30 | 366 |
| GIR 1850 | 185,00 | 200,10 | 6,30 | 367 |
| GIR 1900 | 190,00 | 205,10 | 6,30 | 368 |
| GIR 1950 | 195,00 | 210,10 | 6,30 | 368 |
| GIR 2000 | 200,00 | 220,50 | 8,10 | 445 |
| GIR 2100 | 210,00 | 230,50 | 8,10 | 446 |
| GIR 2200 | 220,00 | 240,50 | 8,10 | 447 |
| GIR 2250 | 225,00 | 245,50 | 8,10 | 447 |
| GIR 2300 | 230,00 | 250,50 | 8,10 | 448 |
| GIR 2400 | 240,00 | 260,50 | 8,10 | 448 |
| GIR 2500 | 250,00 | 270,50 | 8,10 | 449 |
| GIR 2600 | 260,00 | 284,00 | 8,10 | 450 |
| GIR 2700 | 270,00 | 294,00 | 8,10 | 451 |
| GIR 2800 | 280,00 | 304,00 | 8,10 | 452 |
| GIR 2900 | 290,00 | 314,00 | 8,10 | 453 |
| GIR 3000 | 300,00 | 324,00 | 8,10 | 454 |
| GIR 3100 | 310,00 | 334,00 | 8,10 | 454 |
| GIR 3200 | 320,00 | 344,00 | 8,10 | 455 |
| GIR 3300 | 330,00 | 354,00 | 8,10 | 456 |
| GIR 3400 | 340,00 | 364,00 | 8,10 | 457 |
| GIR 3500 | 350,00 | 374,00 | 8,10 | 458 |
| GIR 3600 | 360,00 | 384,00 | 8,10 | 458 |
| GIR 3700 | 370,00 | 394,00 | 8,10 | 459 |
| GIR 3800 | 380,00 | 404,00 | 8,10 | 460 |
| GIR 3900 | 390,00 | 414,00 | 8,10 | 461 |
| GIR 4000 | 400,00 | 424,00 | 8,10 | 462 |
| GIR 4200 | 420,00 | 444,00 | 8,10 | 463 |
| GIR 4400 | 440,00 | 464,00 | 8,10 | 464 |
| GIR 4500 | 450,00 | 474,00 | 8,10 | 465 |

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# TEF-RING

Juntas de VÁSTAGO
ROD seals

# GIR



| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | d | D | H | OR |
| **GIR 4600** | 460,00 | 484,00 | 8,10 | **466** |
| **GIR 4800** | 480,00 | 504,00 | 8,10 | **468** |
| **GIR 5000** | 500,00 | 524,00 | 8,10 | **469** |

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# BUFFER

**Juntas** de VÁSTAGO
ROD **seals**

TECNOLAN

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| Versión standar | *Standard version* |
|---|---|
| Poliuretano+POM | *Polyurethane+POM* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| Poliuretano Baja Temperatura+POM | *Low Temp. Polyurethane+POM* |

| **Presión hasta / *Pressure up to*** |
|---|
| 40 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.8 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -35°C +100°C | -45°C +110°C PN 522 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cizallas hidráulicas | *Tail Lifts* |
| Hidráulica móvil | *Mobile Hydraulics* |
| Máquina de movimiento de tierra | *Earthmoving Machinery* |
| Cilindros para aplicaciones medias y pesadas | *Medium and Heavy duty applications* |

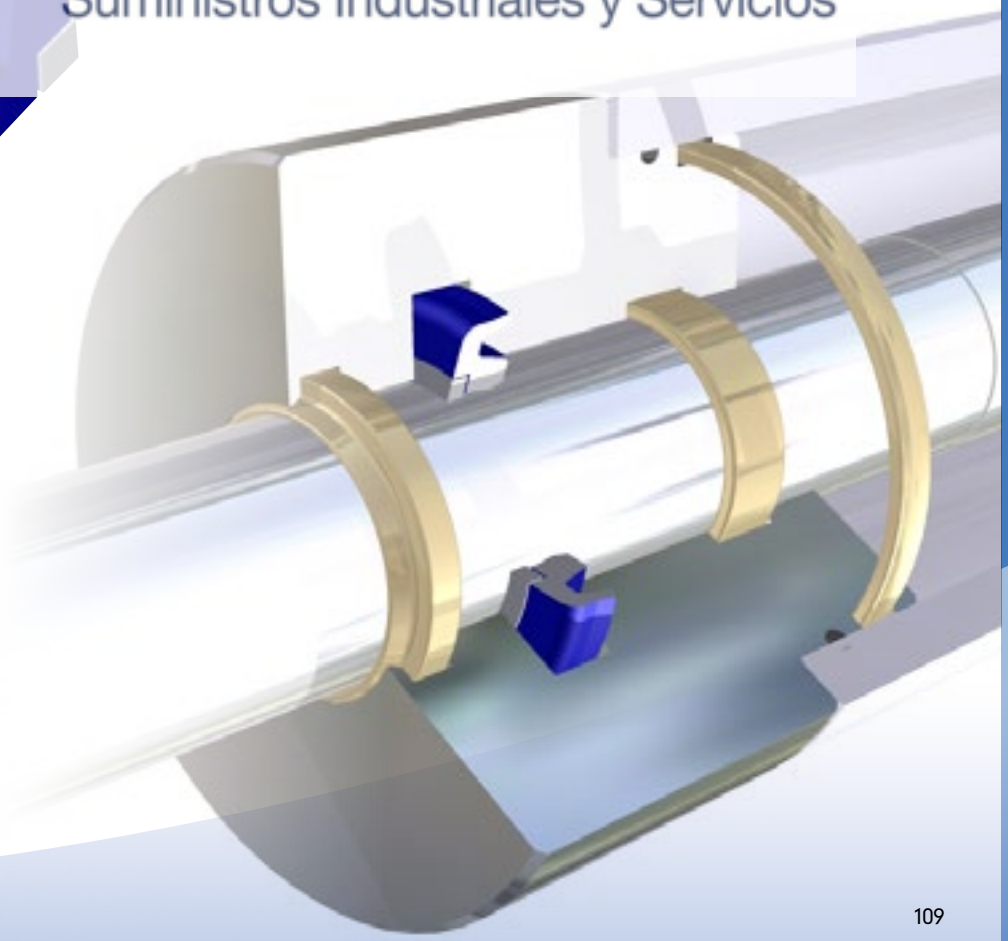


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# BUFFER



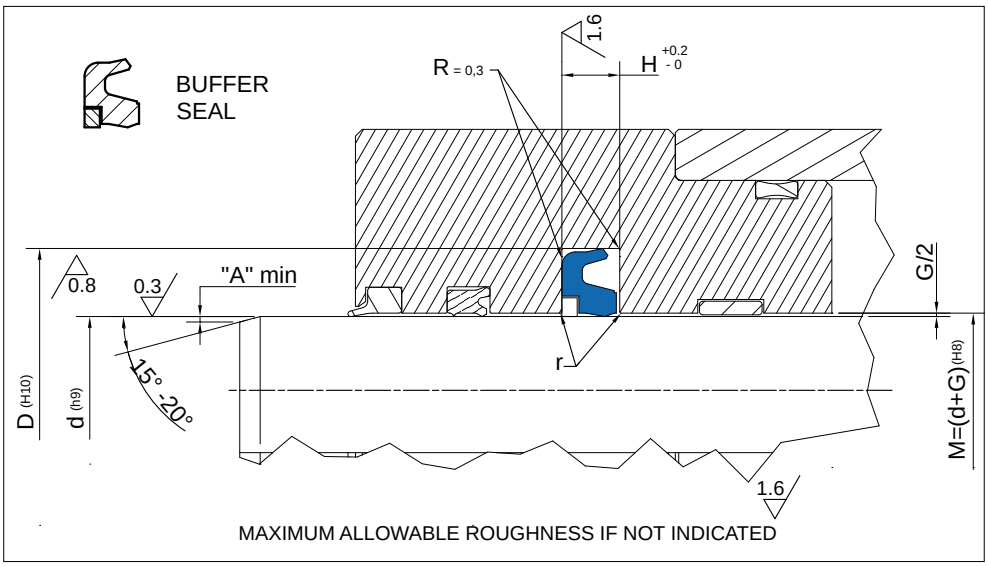
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TECNOLAN

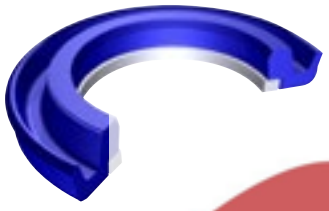
Juntas de VÁSTAGO
ROD seals

# BUFFER




**Rod Seal design guidelines**

| | 0mm < d ≤ 50mm | 50mm < d ≤ 100mm | 100mm < d ≤ 150mm | d ≥ 150mm |
|---|---|---|---|---|
| r | remove sharp edges | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |



| G | Operating pressure to determinate Maximum Gap Allowance: G/2 | | | | |
|---|---|---|---|---|---|
| | Profile Dimension | > 16 MPa | > 26 MPa | > 32 MPa | > 40 MPa |
| | ≤ 5 | 0.50 mm | 0.40 mm | 0.35 mm | |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm | 0.40 mm | 0.35 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm | 0.45 mm | 0.40 mm |
| | 15 | 0.65 mm | 0.55 mm | 0.45 mm | 0.40 mm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | d | D | H |
| BUF 40 | 40,00 | 55,50 | 6,30 |
| BUF 45 | 45,00 | 60,50 | 6,30 |
| BUF 50 | 50,00 | 65,50 | 6,30 |
| BUF 55 | 55,00 | 70,50 | 6,30 |
| BUF 58 | 58,00 | 73,50 | 6,30 |
| BUF 60 | 60,00 | 75,50 | 6,30 |
| BUF 63 | 63,00 | 78,50 | 6,30 |
| **BUF 65** | 65,00 | 80,40 | 6,30 |
| **BUF 70** | 70,00 | 85,50 | 6,30 |
| **BUF 75** | 75,00 | 90,50 | 6,30 |
| **BUF 80** | 80,00 | 95,50 | 6,30 |
| **BUF 85** | 85,00 | 100,50 | 6,30 |
| **BUF 90** | 90,00 | 105,50 | 6,30 |
| **BUF 95** | 95,00 | 110,50 | 6,30 |
| **BUF 100** | 100,00 | 115,50 | 6,30 |
| **BUF 106** | 106,00 | 121,50 | 6,30 |
| **BUF 110** | 110,00 | 125,50 | 6,30 |
| **BUF 115** | 115,00 | 130,50 | 6,30 |
| **BUF 120** | 120,00 | 135,50 | 6,30 |
| **BUF 125** | 125,00 | 140,50 | 6,30 |
| **BUF 140** | 140,00 | 155,50 | 6,30 |
| **BUF 150** | 150,00 | 165,50 | 6,30 |
| **BUF 170** | 170,00 | 185,50 | 6,30 |
| **BUF 180** | 180,00 | 195,50 | 6,30 |
| **BUF 200** | 200,00 | 220,50 | 8,10 |
| | | | |
| | | | |

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*For dimensions not listed, Please contact us.*



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| PERFIL *PROFILE* | TIPO *SEAL TYPE* | Valores • *technical data* MPa | speed m/s | temp. °C | MATERIAL *MATERIAL* | light | medium | heavy | página *page* |
|---|---|---|---|---|---|---|---|---|---|
|  | **TPM**<br>**TPM/P** | 35 | 0,5 | -30<br>+110 | NBR + POM + TPE<br>*NBR + POM + TPE* | • | • • | | 114÷118 |
|  | **TPM/E** | 35 | 0,5 | -30<br>+110 | NBR + POM + TPE<br>*NBR + POM + TPE* | • | • • | | 120÷124 |
|  | **TPL** | 35 | 0,5 | -30<br>+110 | NBR + POM + TPE<br>*NBR + POM + TPE* | • | • • | | 126÷129 |
|  | **TPS/T** | 40 | 0,8 | -30<br>+110 | NBR + Tejido + POM<br>*NBR + Fabric + POM* | | • • | • • • | 130÷133 |
|  | **TPS/G** | 35 | 0,5 | -30<br>+110 | NBR + POM + TPE<br>*NBR + POM + TPE* | • | • • | | 130÷133 |
|  | **TDE** | 50 | 0,5 | -30<br>+110 | NBR + Tejido + POM<br>*NBR + Fabric + POM* | • | • • | • • • | 134÷137 |
|  | **GT/3** | 40 | 0,5 | -30<br>+110 | NBR + Tejido<br>*NBR + Fabric* | | • • | • • • | 138÷141 |
|  | **PDE** | 70 | 0,5 | -30<br>+110 | NBR + Tejido + POM<br>*NBR + Fabric + POM* | | • • | • • • | 142÷145 |
|  | **PDH** | 60 | 1,5 | -30<br>+110 | NBR + PTFE + POM<br>*NBR + PTFE + POM* | | • • | • • • | 146÷149 |
|  | **PDP** | 40 | 0,5 | -30<br>+110 | NBR + Poliuretano + POM<br>*NBR + Polyurethane + POM* | • | • • | | 146÷149 |
|  | **TGU** | 70 | 0,5 | -30<br>+110 | NBR + Tejido + POM<br>*NBR + Fabric + POM* | | • • | | 150÷153 |
|  | **TTD** | 20 | 0,5 | -35<br>+100 | Poliuretano + POM<br>*Polyurethane + POM* | • | • • | | 154÷156 |
|  | **TTW** | 40 | 0,5 | -35<br>+100 | Poliuretano + POM<br>*Polyurethane + POM* | | • • | • • • | 158÷161 |
|  | **TRU** | 80 | 0,5 | -30<br>+110 | NBR + Tejido<br>*NBR + Fabric* | | • • | • • • | 162÷165 |
|  | **TTU** | 40 | 0,5 | -35<br>+100 | Poliuretano<br>*Polyurethane* | • | • • | | 166÷178 |
|  | **TTE** | 35 | 0,5 | -35<br>+100 | Poliuretano<br>*Polyurethane* | • | • • | | 180÷186 |
|  | **TTE/W** | 50 | 0,5 | -35<br>+100 | Poliuretano + POM<br>*Polyurethane + POM* | • | • • | | 188÷195 |
|  | **TTO** PB501<br>**TTO** PB546 | 25<br>40 | 0,5 | -35<br>+100 | Poliuretano + NBR<br>*Polyurethane + NBR* | • | • • | | 192÷195 |
|  | **TTQ** | 40 | 0,5 | -35<br>+100 | Poliuretano + NBR<br>*Polyurethane + NBR* | • | • • | • • • | 196÷199 |
|  | **TTR** | 40 | 0,5 | -35<br>+100 | Poliuretano + NBR<br>*Polyurethane + NBR* | | • • | • • • | 200÷203 |
|  | **TUT** | 50 | 1,0 | -30<br>+110 | NBR + PA66<br>*NBR + PA66* | | | • • • | 204÷207 |
|  | **GUA-RING 01** | 50 | 12 | -30<br>+100 | PTFE + NBR<br>*PTFE + NBR* | | • • | • • • | 208÷212 |
|  | **GER** | 60 | 15 | -30<br>+100 | PTFE + NBR<br>*PTFE + NBR* | | • • | • • • | 214÷217 |

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# Juntas de PISTÓN

## PISTON seals



# TPM
# TPM/P

**Juntas** de PISTÓN
**PISTON seals**

TECNOTEX

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| **Versión standar** | | ***Standard Version*** | |
|---|---|---|---|
| Elemento de sellado | NBR | *Sealing Ring* | *NBR* |
| Anillo de soporte | TPE | *Support Ring* | *TPE* |
| Anillo guía | POM | *Guide Ring* | *POM* |

| **Versión alternativa** | | ***Alternative Versions*** | |
|---|---|---|---|
| Elemento de sellado | NBR FKM | *Sealing Ring* | *NBR FKM* |
| Elemento de sellado | NBR Baja Temp. | *Sealing Ring* | *Low temp. NBR* |

| **Presión hasta / *Pressure up to*** |
|---|
| 35 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | | |
|---|---|---|
| -30°C +110°C | -20°C +200°C FKM | -50°C +110°C TDS 108 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos | *Hydraulic Cylinders* |
| Cilindros de grúa | *Truck crane Cylinders* |
| Cilindros para agricultura | *Agricultural Cylinders* |
| Carretillas elevadoras | *Fork Lifts* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TPM • TPM/P

114÷118

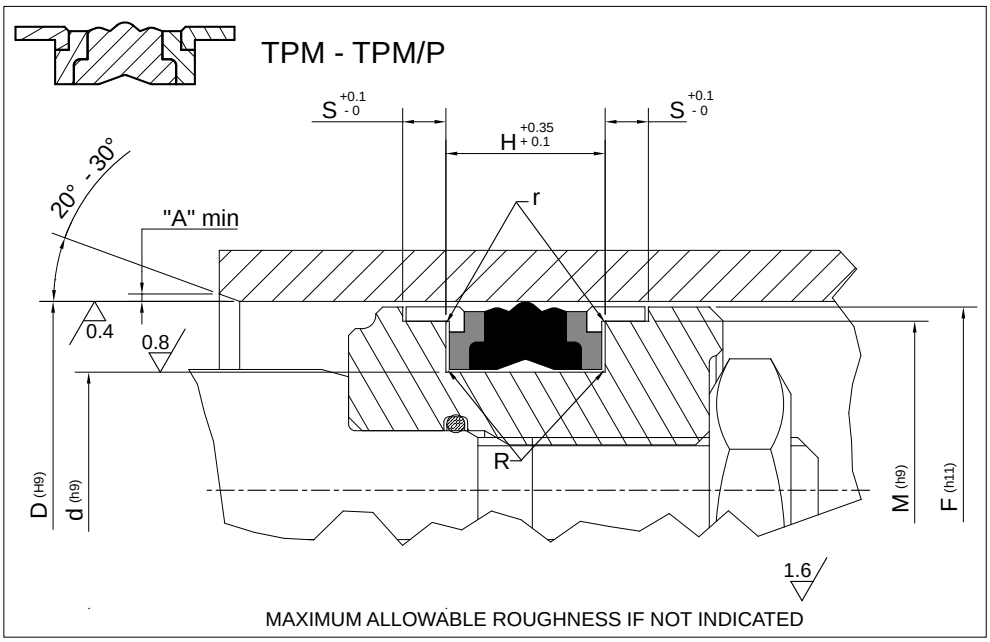
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TECNOTEX

Juntas de PISTÓN
PISTON seals

# TPM
# TPM/P






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 100mm | | d > 100mm | |
| | max 0.40 mm | | max 0.80 mm | |
| r | 0,2 mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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Suministros Industriales y Servicios

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| TPM 9000 | 098059 | 25,00 | 15,00 | 12,50 | 4,00 | 22,00 | 24,00 |
| TPM 9000/1 | 098059 | 25,00 | 15,00 | 12,40 | 4,00 | 21,00 | 24,00 |
| TPM 9001 | 098059 | 25,00 | 15,00 | 16,40 | 6,35 | 21,45 | 23,50 |
| TPM 9002 | 098066 | 25,00 | 17,00 | 10,00 | 4,00 | 22,00 | 24,00 |
| TPM 9003 | 118066 | 30,00 | 17,00 | 15,40 | 6,35 | 26,50 | 28,50 |
| TPM 9004 | 125086 | 32,00 | 22,00 | 12,50 | 4,00 | 29,00 | 31,00 |
| TPM 9005 | 125086 | 32,00 | 22,00 | 16,40 | 6,35 | 28,50 | 30,50 |
| **TPM 9006** | **125094** | 32,00 | 24,00 | 10,00 | 4,00 | 29,00 | 31,00 |
| **TPM 9007** | **137098** | 35,00 | 25,00 | 16,40 | 6,35 | 31,40 | 33,50 |
| **TPM 9008** | **157118** | 40,00 | 30,00 | 16,40 | 6,35 | 35,40 | 38,50 |
| **TPM 9009** | **157118** | 40,00 | 30,00 | 12,50 | 4,00 | 37,00 | 39,00 |
| **TPM 9010** | **157118** | 40,00 | 30,00 | 12,50 | 4,00 | 36,00 | 39,00 |
| **TPM 9011** | **157125** | 40,00 | 32,00 | 10,00 | 4,00 | 37,00 | 39,00 |
| **TPM 9012** | **157094** | 40,00 | 24,00 | 18,40 | 6,35 | 35,40 | 38,70 |
| **TPM 9013** | **177114** | 45,00 | 29,00 | 18,40 | 6,35 | 40,40 | 43,70 |
| **TPM 9014** | **177137** | 45,00 | 35,00 | 16,40 | 6,35 | 40,40 | 43,50 |
| **TPM 9015** | **196133** | 50,00 | 34,00 | 18,40 | 6,35 | 45,41 | 48,70 |
| **TPM 9016** | **196137** | 50,00 | 35,00 | 20,00 | 5,00 | 46,00 | 48,50 |
| **TPM 9017** | **196157** | 50,00 | 40,00 | 12,50 | 4,00 | 47,00 | 49,00 |
| **TPM 9017/1** | **196157/1** | 50,00 | 40,00 | 11,30 | 4,00 | 46,00 | 49,00 |
| **TPM 9018** | **216153** | 55,00 | 39,00 | 18,40 | 6,35 | 50,37 | 53,65 |
| **TPM 9019** | **216177** | 55,00 | 45,00 | 12,50 | 4,00 | 52,00 | 54,00 |
| **TPM 9020** | **236173** | 60,00 | 44,00 | 18,40 | 6,35 | 55,39 | 58,65 |
| **TPM 9020/1** | **236173/1** | 60,00 | 44,00 | 19,40 | 6,35 | 55,39 | 58,65 |
| **TPM 9021** | **248185** | 63,00 | 47,00 | 18,40 | 6,35 | 58,39 | 61,63 |
| **TPM 9021/1** | **248185/1** | 63,00 | 47,00 | 19,40 | 6,35 | 58,39 | 61,63 |
| **TPM 9022** | **248188** | 63,00 | 48,00 | 20,00 | 5,00 | 59,00 | 61,50 |



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*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de PISTÓN
PISTON seals

# TPM
# TPM/P

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| TPM 9023 | 248208 | 63,00 | 53,00 | 12,50 | 4,00 | 60,00 | 62,00 |
| TPM 9024 | 255196 | 65,00 | 50,00 | 18,40 | 6,35 | 60,41 | 63,64 |
| TPM 9025 | 275196 | 70,00 | 50,00 | 22,40 | 6,35 | 64,18 | 68,34 |
| TPM 9026 | 275216 | 70,00 | 55,00 | 20,00 | 5,00 | 66,00 | 68,50 |
| TPM 9027 | 295216 | 75,00 | 55,00 | 22,40 | 6,35 | 69,18 | 73,32 |
| TPM 9028 | 314236 | 80,00 | 60,00 | 22,40 | 6,35 | 74,16 | 78,34 |
| TPM 9029 | 314236 | 80,00 | 60,00 | 25,00 | 6,35 | 75,00 | 78,00 |
| TPM 9030 | 314255 | 80,00 | 65,00 | 20,00 | 5,00 | 76,00 | 78,50 |
| TPM 9031 | 334255 | 85,00 | 65,00 | 22,40 | 6,35 | 79,16 | 83,34 |
| TPM 9032 | 334295 | 85,00 | 75,00 | 20,00 | 4,00 | 81,00 | 83,34 |
| TPM 9032/1 | 338255 | 86,00 | 65,00 | 22,40 | 6,35 | 82,00 | 84,34 |
| TPM 9033 | 354275 | 90,00 | 70,00 | 22,40 | 6,35 | 84,15 | 88,31 |
| TPM 9033/1 | 354275/1 | 90,00 | 70,00 | 21,00 | 6,35 | 84,15 | 88,31 |
| TPM 9034 | 354295 | 90,00 | 75,00 | 20,00 | 5,00 | 86,00 | 88,50 |
| TPM 9035 | 374295 | 95,00 | 75,00 | 22,40 | 6,35 | 89,15 | 93,31 |
| TPM 9036 | 393295 | 100,00 | 75,00 | 22,40 | 6,35 | 93,14 | 98,05 |
| TPM 9037 | 393314 | 100,00 | 80,00 | 25,00 | 6,35 | 95,00 | 98,00 |
| TPM 9038 | 393334 | 100,00 | 85,00 | 20,00 | 5,00 | 96,00 | 98,50 |
| TPM 9039 | 393338 | 100,00 | 86,00 | 20,00 | 5,00 | 96,00 | 98,50 |
| TPM 9040 | 413314 | 105,00 | 80,00 | 22,40 | 6,35 | 98,09 | 103,03 |
| TPM 9040/1 | 417314 | 105,80 | 80,00 | 22,40 | 6,35 | 99,09 | 104,03 |
| TPM 9041 | 433334 | 110,00 | 85,00 | 22,40 | 6,35 | 103,10 | 108,00 |
| TPM 9042 | 433334/1 | 110,00 | 85,00 | 25,40 | 6,35 | 103,10 | 108,00 |
| TPM 9043 | 433354 | 110,00 | 90,00 | 25,30 | 6,40 | 104,10 | 108,30 |
| TPM 9044 | 433374 | 110,00 | 95,00 | 20,00 | 5,00 | 105,00 | 108,00 |
| TPM 9045 | 452354 | 115,00 | 90,00 | 22,40 | 6,35 | 108,10 | 113,02 |
| TPM 9046 | 472374 | 120,00 | 95,00 | 22,40 | 6,35 | 113,10 | 118,02 |
| TPM 9046/1 | 480374 | 122,00 | 95,00 | 22,40 | 6,35 | 115,10 | 120,02 |
| TPM 9047 | 492393 | 125,00 | 100,00 | 25,40 | 6,35 | 118,08 | 122,96 |
| TPM 9048 | 492393 | 125,00 | 100,00 | 32,00 | 10,00 | 117,00 | 123,00 |
| TPM 9049 | 492413 | 125,00 | 105,00 | 25,40 | 6,35 | 119,10 | 123,30 |
| TPM 9050 | 511413 | 130,00 | 105,00 | 25,40 | 9,52 | 122,60 | 127,50 |
| TPM 9051 | 492413 | 125,00 | 105,00 | 25,00 | 6,35 | 120,00 | 123,00 |
| TPM 9052 | 511413 | 130,00 | 105,00 | 25,30 | 6,35 | 123,10 | 128,00 |
| TPM 9052/1 | 511433 | 130,00 | 110,00 | 25,40 | 6,35 | 125,00 | 128,00 |
| TPM 9053 | 531433 | 135,00 | 110,00 | 25,40 | 9,52 | 127,60 | 132,50 |
| TPM 9053/1 | 531433/1 | 135,00 | 110,00 | 25,40 | 6,35 | 128,10 | 133,00 |
| TPM 9054 | 551452 | 140,00 | 115,00 | 25,40 | 9,52 | 132,60 | 137,50 |
| TPM 9055 | 551452/1 | 140,00 | 115,00 | 25,40 | 6,35 | 133,00 | 138,00 |
| TPM 9056 | 551472 | 140,00 | 120,00 | 25,00 | 6,35 | 135,00 | 138,00 |
| TPM 9057 | 570472 | 145,00 | 120,00 | 25,40 | 9,52 | 137,60 | 142,50 |
| TPM 9057/3 | 570472 | 145,00 | 120,00 | 25,40 | 6,35 | 137,60 | 142,50 |
| TPM 9057/1 | 578480 | 147,00 | 122,00 | 25,40 | 9,52 | 139,60 | 144,50 |
| TPM 9057/2 | 582484 | 148,00 | 123,00 | 25,40 | 9,52 | 140,60 | 145,50 |
| TPM 9058 | 590492 | 150,00 | 125,00 | 25,40 | 9,52 | 142,60 | 147,50 |
| TPM 9058/1 | 590492/1 | 150,00 | 125,00 | 25,40 | 6,35 | 143,00 | 148,00 |
| TPM 9059 | 590511 | 150,00 | 130,00 | 25,40 | 6,35 | 144,10 | 148,30 |
| TPM 9060 | 610511 | 155,00 | 130,00 | 25,40 | 9,52 | 147,60 | 152,50 |
| TPM 9060/1 | 610511/1 | 155,00 | 130,00 | 25,40 | 6,35 | 148,00 | 153,00 |
| TPM 9061 | 629531 | 160,00 | 135,00 | 25,40 | 9,52 | 152,60 | 157,50 |
| TPM 9061/1 | 629531/1 | 160,00 | 135,00 | 25,40 | 6,35 | 153,00 | 157,50 |
| TPM 9061/2 | 629531/2 | 160,00 | 135,00 | 32,00 | 10,00 | 154,00 | 157,50 |

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TECNOTEX

Juntas de PISTÓN
PISTON seals

# TPM
# TPM/P



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| TPM 9062 | 629511/2 | 160,00 | 130,00 | 32,00 | 10,00 | 154,00 | 158,00 |
| TPM 9063 | 629551 | 160,00 | 140,00 | 25,00 | 6,35 | 155,00 | 158,00 |
| TPM 9064 | 629511 | 160,00 | 130,00 | 25,40 | 9,52 | 152,60 | 157,50 |
| TPM 9065 | 629511/1 | 160,00 | 130,00 | 25,40 | 6,35 | 153,00 | 157,50 |
| TPM 9066 | 649551 | 165,00 | 140,00 | 25,40 | 9,52 | 157,60 | 162,50 |
| TPM 9066/1 | 669551 | 170,00 | 140,00 | 25,40 | 12,70 | 161,72 | 167,00 |
| TPM 9067 | 669570 | 170,00 | 145,00 | 25,40 | 12,70 | 161,72 | 167,00 |
| TPM 9068 | 688590 | 175,00 | 150,00 | 25,40 | 12,70 | 166,72 | 172,00 |
| TPM 9069 | 708610 | 180,00 | 155,00 | 25,40 | 12,70 | 171,72 | 177,00 |
| TPM 9070 | 708590 | 180,00 | 150,00 | 35,40 | 6,35 | 172,95 | 177,00 |
| TPM 9070/1 | 708590 | 180,00 | 150,00 | 36,00 | 12,50 | 172,95 | 177,00 |
| TPM 9071 | 728629 | 185,00 | 160,00 | 25,40 | 12,70 | 176,72 | 182,00 |
| TPM 9072 | 748649 | 190,00 | 165,00 | 25,40 | 12,70 | 181,72 | 187,00 |
| TPM 9073 | 768669 | 195,00 | 170,00 | 25,40 | 12,70 | 186,72 | 192,00 |
| TPM 9074 | 787669 | 200,00 | 170,00 | 35,40 | 6,35 | 193,00 | 198,00 |
| TPM 9075 | 787669/1 | 200,00 | 170,00 | 36,00 | 12,50 | 192,00 | 197,00 |
| TPM 9076 | 787688 | 200,00 | 175,00 | 25,40 | 12,70 | 191,62 | 197,00 |
| TPM 9077 | 826728 | 210,00 | 185,00 | 25,40 | 12,70 | 201,62 | 207,00 |
| TPM 9078 | 866748 | 220,00 | 190,00 | 35,40 | 6,35 | 212,70 | 217,00 |
| TPM 9079 | 866767 | 220,00 | 195,00 | 25,40 | 12,70 | 211,62 | 217,00 |
| TPM 9080 | 886787 | 225,00 | 200,00 | 25,40 | 12,70 | 216,62 | 222,00 |
| TPM 9081 | 905807 | 230,00 | 205,00 | 25,40 | 12,70 | 221,62 | 227,00 |
| TPM 9082 | 944846 | 240,00 | 215,00 | 25,40 | 12,70 | 231,62 | 237,00 |
| TPM 9083 | 984886 | 250,00 | 225,00 | 25,40 | 12,70 | 241,62 | 247,00 |
| TPM 9084 | 984866 | 250,00 | 220,00 | 35,40 | 6,35 | 242,90 | 247,00 |
| TPM 9085 | 984866/1 | 250,00 | 220,00 | 36,00 | 12,50 | 242,00 | 247,00 |
| TPM 9085/1 | 1000882 | 254,00 | 224,00 | 35,40 | 12,70 | 246,00 | 251,00 |
| TPM 9086 | 1024925 | 260,00 | 235,00 | 35,10 | 12,70 | 252,90 | 257,00 |
| TPM 9086/1 | 1024925/1 | 260,00 | 235,00 | 25,40 | 12,70 | 252,90 | 257,00 |
| TPM 9086/2 | 1082945 | 270,00 | 245,00 | 25,40 | 12,70 | 262,90 | 257,00 |
| TPM 9087 | 1102984 | 280,00 | 250,00 | 35,40 | 9,52 | 272,90 | 277,00 |
| TPM 9088 | 12591141 | 320,00 | 290,00 | 35,40 | 9,52 | 312,40 | 317,00 |
| TPM 9089 | 12591141/1 | 320,00 | 290,00 | 36,00 | 12,70 | 312,00 | 317,00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| TPM/P 9600 | 1500-1125 | 38,10 | 28,57 | 11,10 | 3,81 | 33,63 | 36,80 |
| TPM/P 9601 | 1750-1125 | 44,45 | 28,57 | 19,05 | 6,35 | 39,87 | 43,12 |
| TPM/P 9602 | 2000-1375 | 50,80 | 34,92 | 19,05 | 6,35 | 46,23 | 49,50 |
| TPM/P 9603 | 2000-1625 | 50,80 | 41,27 | 11,10 | 3,81 | 46,27 | 49,20 |
| TPM/P 9604 | 2125-1500 | 53,97 | 38,10 | 19,05 | 6,35 | 49,40 | 52,70 |
| TPM/P 9605 | 2375-1750 | 60,33 | 44,45 | 19,05 | 6,35 | 55,73 | 58,98 |
| TPM/P 9606 | 2500-1875 | 63,50 | 47,62 | 19,05 | 6,35 | 58,90 | 62,12 |
| TPM/P 9607 | 2500-2000 | 63,50 | 50,80 | 14,90 | 6,35 | 58,90 | 62,12 |
| TPM/P 9608 | 2500-2125 | 63,50 | 53,97 | 11,10 | 3,81 | 58,90 | 62,12 |
| TPM/P 9609 | 2625-2000 | 66,67 | 50,80 | 19,05 | 6,35 | 62,10 | 65,27 |
| TPM/P 9610 | 3000-2250 | 76,20 | 57,15 | 23,79 | 6,35 | 70,40 | 74,50 |
| TPM/P 9611 | 3500-2750 | 88,90 | 69,85 | 23,79 | 6,35 | 83,08 | 87,22 |
| TPM/P 9612 | 4000-3250 | 101,60 | 82,55 | 23,79 | 6,35 | 95,78 | 99,90 |
| TPM/P 9612/1 | 4500-3500 | 114,30 | 88,90 | 31,75 | 6,35 | 107,40 | 112,40 |
| TPM/P 9613 | 5000-4000 | 127,00 | 101,60 | 32,15 | 6,35 | 120,09 | 124,98 |
| TPM/P 9614 | 6000-5000 | 152,40 | 127,00 | 32,15 | 6,35 | 145,44 | 150,35 |
| TPM/P 9615 | 7000-6000 | 177,80 | 152,40 | 32,15 | 6,35 | 170,80 | 175,75 |

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Suministros Industriales y Servicios

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*


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# TPM/E

**Juntas** de PISTÓN
**PISTON seals**

TECNOTEX

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Suministros Industriales y Servicios

| **Versión standar** | | ***Standard Version*** | |
|---|---|---|---|
| Elemento de sellado | NBR | *Sealing Ring* | *NBR* |
| Anillo de soporte | TPE | *Support Ring* | *TPE* |
| Anillo guía | POM | *Guide Ring* | *POM* |

| **Versión alternativa** | | ***Alternative Versions*** | |
|---|---|---|---|
| Elemento de sellado | NBR FKM | *Sealing Ring* | *NBR FKM* |
| Elemento de sellado | NBR Baja Temp. | *Sealing Ring* | *Low temp. NBR* |

| **Presión hasta / *Pressure up to*** |
|---|
| 35 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | | |
|---|---|---|
| -30°C +110°C | -20°C +200°C FKM | -50°C +110°C TDS 108 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos | *Hydraulic Cylinders* |
| Cilindros de grúa | *Truck crane Cylinders* |
| Cilindros para agricultura | *Agricultural Cylinders* |
| Carretillas elevadoras | *Fork Lifts* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TPM/E

120÷124

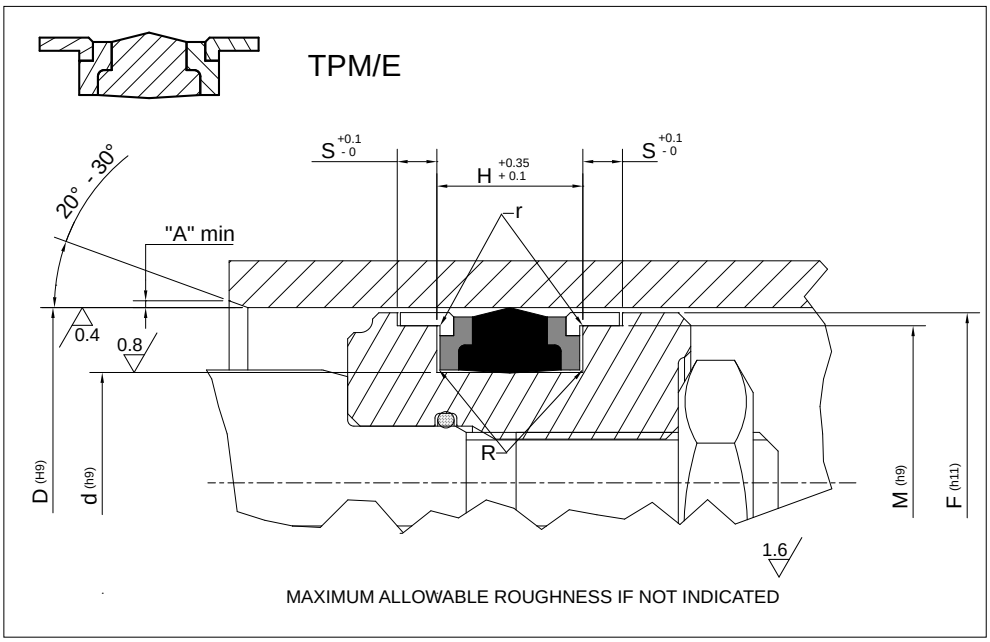
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Juntas de PISTÓN
PISTON seals

# TPM/E






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| **R** | **d ≤ 100mm** | | **d > 100mm** | |
| | max 0.40 mm | | max 0.80 mm | |
| **r** | 0,2 mm | | | |
| **A** | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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Suministros Industriales y Servicios

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| TPM/E 9000 | 098059 | 25,00 | 15,00 | 12,50 | 4,00 | 22,00 | 24,00 |
| TPM/E 9000/1 | 098059 | 25,00 | 15,00 | 12,40 | 4,00 | 21,00 | 24,00 |
| TPM/E 9001 | 098059 | 25,00 | 15,00 | 16,40 | 6,35 | 21,45 | 23,50 |
| TPM/E 9002 | 098066 | 25,00 | 17,00 | 10,00 | 4,00 | 22,00 | 24,00 |
| TPM/E 9003 | 118066 | 30,00 | 17,00 | 15,40 | 6,35 | 26,50 | 28,50 |
| TPM/E 9004 | 125086 | 32,00 | 22,00 | 12,50 | 4,00 | 29,00 | 31,00 |
| TPM/E 9005 | 125086 | 32,00 | 22,00 | 16,40 | 6,35 | 28,50 | 30,50 |
| **TPM/E 9006** | **125094** | 32,00 | 24,00 | 10,00 | 4,00 | 29,00 | 31,00 |
| **TPM/E 9007** | **137098** | 35,00 | 25,00 | 16,40 | 6,35 | 31,40 | 33,50 |
| **TPM/E 9008** | **157118** | 40,00 | 30,00 | 16,40 | 6,35 | 35,40 | 38,50 |
| **TPM/E 9009** | **157118** | 40,00 | 30,00 | 12,50 | 4,00 | 37,00 | 39,00 |
| **TPM/E 9010** | **157118** | 40,00 | 30,00 | 12,50 | 4,00 | 36,00 | 39,00 |
| **TPM/E 9011** | **157125** | 40,00 | 32,00 | 10,00 | 4,00 | 37,00 | 39,00 |
| **TPM/E 9012** | **157094** | 40,00 | 24,00 | 18,40 | 6,35 | 35,40 | 38,70 |
| **TPM/E 9013** | **177114** | 45,00 | 29,00 | 18,40 | 6,35 | 40,40 | 43,70 |
| **TPM/E 9014** | **177137** | 45,00 | 35,00 | 16,40 | 6,35 | 40,40 | 43,50 |
| **TPM/E 9015** | **196133** | 50,00 | 34,00 | 18,40 | 6,35 | 45,41 | 48,70 |
| **TPM/E 9016** | **196137** | 50,00 | 35,00 | 20,00 | 5,00 | 46,00 | 48,50 |
| **TPM/E 9017** | **196157** | 50,00 | 40,00 | 12,50 | 4,00 | 47,00 | 49,00 |
| **TPM/E 9018** | **216153** | 55,00 | 39,00 | 18,40 | 6,35 | 50,37 | 53,65 |
| **TPM/E 9019** | **216177** | 55,00 | 45,00 | 12,50 | 4,00 | 52,00 | 54,00 |
| **TPM/E 9020** | **236173** | 60,00 | 44,00 | 18,40 | 6,35 | 55,39 | 58,65 |
| **TPM/E 9020/1** | **236173/1** | 60,00 | 44,00 | 19,40 | 6,35 | 55,39 | 58,65 |
| **TPM/E 9021** | **248185** | 63,00 | 47,00 | 18,40 | 6,35 | 58,39 | 61,63 |
| **TPM/E 9021/1** | **248185/1** | 63,00 | 47,00 | 19,40 | 6,35 | 58,39 | 61,63 |
| **TPM/E 9022** | **248188** | 63,00 | 48,00 | 20,00 | 5,00 | 59,00 | 61,50 |
| **TPM/E 9023** | **248208** | 63,00 | 53,00 | 12,50 | 4,00 | 60,00 | 62,00 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de PISTÓN
PISTON seals

# TPM/E

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| TPM/E 9024 | 255196 | 65,00 | 50,00 | 18,40 | 6,35 | 60,41 | 63,64 |
| TPM/E 9025 | 275196 | 70,00 | 50,00 | 22,40 | 6,35 | 64,18 | 68,34 |
| TPM/E 9026 | 275216 | 70,00 | 55,00 | 20,00 | 5,00 | 66,00 | 68,50 |
| TPM/E 9027 | 295216 | 75,00 | 55,00 | 22,40 | 6,35 | 69,18 | 73,32 |
| TPM/E 9028 | 314236 | 80,00 | 60,00 | 22,40 | 6,35 | 74,16 | 78,34 |
| TPM/E 9029 | 314236 | 80,00 | 60,00 | 25,00 | 6,35 | 75,00 | 78,00 |
| TPM/E 9030 | 314255 | 80,00 | 65,00 | 20,00 | 5,00 | 76,00 | 78,50 |
| TPM/E 9031 | 334255 | 85,00 | 65,00 | 22,40 | 6,35 | 79,16 | 83,34 |
| TPM/E 9032 | 334295 | 85,00 | 75,00 | 20,00 | 4,00 | 81,00 | 83,34 |
| TPM/E 9032/1 | 338255 | 86,00 | 65,00 | 22,40 | 6,35 | 82,00 | 84,34 |
| TPM/E 9033 | 354275 | 90,00 | 70,00 | 22,40 | 6,35 | 84,15 | 88,31 |
| TPM/E 9033/1 | 354275/1 | 90,00 | 70,00 | 21,00 | 6,35 | 84,15 | 88,31 |
| TPM/E 9034 | 354295 | 90,00 | 75,00 | 20,00 | 5,00 | 86,00 | 88,50 |
| TPM/E 9034/1 | 354323 | 92,00 | 82,00 | 12,50 | 6,35 | 88,00 | 90,50 |
| TPM/E 9035 | 374295 | 95,00 | 75,00 | 22,40 | 6,35 | 89,15 | 93,31 |
| TPM/E 9036 | 393295 | 100,00 | 75,00 | 22,40 | 6,35 | 93,14 | 98,05 |
| TPM/E 9037 | 393314 | 100,00 | 80,00 | 25,00 | 6,35 | 95,00 | 98,00 |
| TPM/E 9038 | 393334 | 100,00 | 85,00 | 20,00 | 5,00 | 96,00 | 98,50 |
| TPM/E 9039 | 393338 | 100,00 | 86,00 | 20,00 | 5,00 | 96,00 | 98,50 |
| TPM/E 9040 | 413314 | 105,00 | 80,00 | 22,40 | 6,35 | 98,09 | 103,03 |
| TPM/E 9040/1 | 413364 | 105,00 | 92,50 | 14,00 | 5,50 | 99,00 | 103,03 |
| TPM/E 9040/2 | 417314 | 106,00 | 80,00 | 22,40 | 6,35 | 99,09 | 104,03 |
| TPM/E 9041 | 433334 | 110,00 | 85,00 | 22,40 | 6,35 | 103,10 | 108,00 |
| TPM/E 9042 | 433334/1 | 110,00 | 85,00 | 25,40 | 6,35 | 103,10 | 108,00 |
| TPM/E 9043 | 433354 | 110,00 | 90,00 | 25,30 | 6,40 | 104,10 | 108,30 |
| TPM/E 9044 | 433374 | 110,00 | 95,00 | 20,00 | 5,00 | 105,00 | 108,00 |
| TPM/E 9045 | 452354 | 115,00 | 90,00 | 22,40 | 6,35 | 108,10 | 113,02 |
| TPM/E 9046 | 472374 | 120,00 | 95,00 | 22,40 | 6,35 | 113,10 | 118,02 |
| TPM/E 9046/1 | 480374 | 122,00 | 95,00 | 22,40 | 6,35 | 115,10 | 120,02 |
| TPM/E 9047 | 492393 | 125,00 | 100,00 | 25,40 | 6,35 | 118,10 | 123,02 |
| TPM/E 9048 | 492393 | 125,00 | 100,00 | 32,00 | 10,00 | 119,00 | 123,00 |
| TPM/E 9049 | 492413 | 125,00 | 105,00 | 25,40 | 6,35 | 119,10 | 123,30 |
| TPM/E 9050 | 511413 | 130,00 | 105,00 | 25,40 | 9,52 | 122,60 | 127,50 |
| TPM/E 9051 | 492413 | 125,00 | 105,00 | 25,00 | 6,35 | 120,00 | 123,00 |
| TPM/E 9052 | 511413 | 130,00 | 105,00 | 25,30 | 6,35 | 123,10 | 128,00 |
| TPM/E 9052/1 | 511433 | 130,00 | 110,00 | 25,30 | 6,40 | 124,10 | 128,30 |
| TPM/E 9053 | 531433 | 135,00 | 110,00 | 25,40 | 9,52 | 127,60 | 132,50 |
| TPM/E 9054 | 551452 | 140,00 | 115,00 | 25,40 | 9,52 | 132,60 | 137,50 |
| TPM/E 9055 | 551452/1 | 140,00 | 115,00 | 25,40 | 6,35 | 133,00 | 138,00 |
| TPM/E 9056 | 551472 | 140,00 | 120,00 | 25,00 | 6,35 | 135,00 | 138,00 |
| TPM/E 9057 | 570472 | 145,00 | 120,00 | 25,40 | 9,52 | 137,60 | 142,50 |
| TPM/E 9057/1 | 578469 | 147,00 | 119,00 | 25,40 | 9,52 | 139,60 | 144,50 |
| TPM/E 9057/2 | 582484 | 148,00 | 123,00 | 25,40 | 9,52 | 140,60 | 145,50 |
| TPM/E 9058 | 590492 | 150,00 | 125,00 | 25,40 | 9,52 | 142,60 | 147,50 |
| TPM/E 9058/1 | 590492/1 | 150,00 | 125,00 | 25,40 | 6,50 | 143,00 | 148,00 |
| TPM/E 9059 | 590511 | 150,00 | 130,00 | 25,40 | 6,35 | 144,10 | 148,30 |
| TPM/E 9060 | 610511 | 155,00 | 130,00 | 25,40 | 9,52 | 147,60 | 152,50 |
| TPM/E 9061 | 629531 | 160,00 | 135,00 | 25,40 | 9,52 | 152,60 | 157,50 |
| TPM/E 9062 | 629511/2 | 160,00 | 130,00 | 32,00 | 10,00 | 154,00 | 158,00 |
| TPM/E 9063 | 629551 | 160,00 | 140,00 | 25,00 | 6,35 | 155,00 | 158,00 |
| TPM/E 9064 | 629511 | 160,00 | 130,00 | 25,40 | 9,52 | 152,60 | 157,50 |
| TPM/E 9065 | 629511/1 | 160,00 | 130,00 | 25,40 | 6,35 | 153,00 | 157,50 |



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Suministros Industriales y Servicios

TECNOTEX

Juntas de PISTÓN
PISTON seals

# TPM/E



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| **TPM/E 9066** | **649551** | 165,00 | 140,00 | 25,40 | 9,52 | 157,60 | 162,50 |
| **TPM/E 9066/1** | **669551** | 170,00 | 140,00 | 25,40 | 12,70 | 161,72 | 167,00 |
| **TPM/E 9067** | **669570** | 170,00 | 145,00 | 25,40 | 12,70 | 161,72 | 167,00 |
| **TPM/E 9068** | **688590** | 175,00 | 150,00 | 25,40 | 12,70 | 166,72 | 172,00 |
| **TPM/E 9069** | **708610** | 180,00 | 155,00 | 25,40 | 12,70 | 171,72 | 177,00 |
| **TPM/E 9070** | **708590** | 180,00 | 150,00 | 35,40 | 6,35 | 172,95 | 177,00 |
| **TPM/E 9071** | **728629** | 185,00 | 160,00 | 25,40 | 12,70 | 176,72 | 182,00 |
| **TPM/E 9072** | **748649** | 190,00 | 165,00 | 25,40 | 12,70 | 181,72 | 187,00 |
| **TPM/E 9073** | **767699** | 195,00 | 170,00 | 25,40 | 12,70 | 186,72 | 192,00 |
| **TPM/E 9074** | **787669** | 200,00 | 170,00 | 35,40 | 6,35 | 193,00 | 198,00 |
| **TPM/E 9075** | **787669/1** | 200,00 | 170,00 | 36,00 | 12,50 | 192,00 | 197,00 |
| **TPM/E 9076** | **787688** | 200,00 | 175,00 | 25,40 | 12,70 | 191,62 | 197,00 |
| **TPM/E 9077** | **826728** | 210,00 | 185,00 | 25,40 | 12,70 | 201,62 | 207,00 |
| **TPM/E 9078** | **866748** | 220,00 | 190,00 | 35,40 | 6,35 | 212,70 | 217,00 |
| **TPM/E 9079** | **866767** | 220,00 | 195,00 | 25,40 | 12,70 | 211,62 | 217,00 |
| **TPM/E 9080** | **886787** | 225,00 | 200,00 | 25,40 | 12,70 | 216,62 | 222,00 |
| **TPM/E 9081** | **905807** | 230,00 | 205,00 | 25,40 | 12,70 | 221,62 | 227,00 |
| **TPM/E 9082** | **944846** | 240,00 | 215,00 | 25,40 | 12,70 | 231,62 | 237,00 |
| **TPM/E 9083** | **984886** | 250,00 | 225,00 | 25,40 | 12,70 | 241,62 | 247,00 |
| **TPM/E 9084** | **984866** | 250,00 | 220,00 | 35,40 | 6,35 | 242,90 | 247,00 |
| **TPM/E 9085** | **984866/1** | 250,00 | 220,00 | 36,00 | 12,50 | 242,00 | 247,00 |
| **TPM/E 9085/1** | **1000882** | 254,00 | 224,00 | 35,40 | 12,70 | 246,00 | 251,00 |
| **TPM/E 9086** | **1024925** | 260,00 | 235,00 | 35,40 | 12,70 | 252,90 | 257,00 |
| **TPM/E 9087** | **1102984** | 280,00 | 250,00 | 35,40 | 9,52 | 272,90 | 277,00 |
| **TPM/E 9088** | **12591141** | 320,00 | 290,00 | 35,40 | 9,52 | 312,40 | 317,00 |
| **TPM/E 9089** | **12591141/1** | 320,00 | 290,00 | 36,00 | 12,70 | 312,00 | 317,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*


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Suministros Industriales y Servicios

# TPL

**Juntas** de PISTÓN
**PISTON seals**

TECNOTEX



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| **Versión standar** | | ***Standard Version*** | |
|---|---|---|---|
| Elemento de sellado | NBR | *Sealing Ring* | *NBR* |
| Anillo de soporte | TPE | *Support Ring* | *TPE* |
| Anillo guía | POM | *Guide Ring* | *POM* |

| **Versión alternativa** | | ***Alternative Versions*** | |
|---|---|---|---|
| Elemento de sellado | NBR FKM | *Sealing Ring* | *NBR FKM* |
| Elemento de sellado | NBR Baja Temp. | *Sealing Ring* | *Low temp. NBR* |

| **Presión hasta / *Pressure up to*** |
|---|
| 35 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | | |
|---|---|---|
| -30°C +110°C | -20°C +200°C FKM | -50°C +110°C TDS 108 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos | *Hydraulic Cylinders* |
| Cilindros de grúa | *Truck crane Cylinders* |
| Cilindros para agricultura | *Agricultural Cylinders* |
| Carretillas elevadoras | *Fork Lifts* |

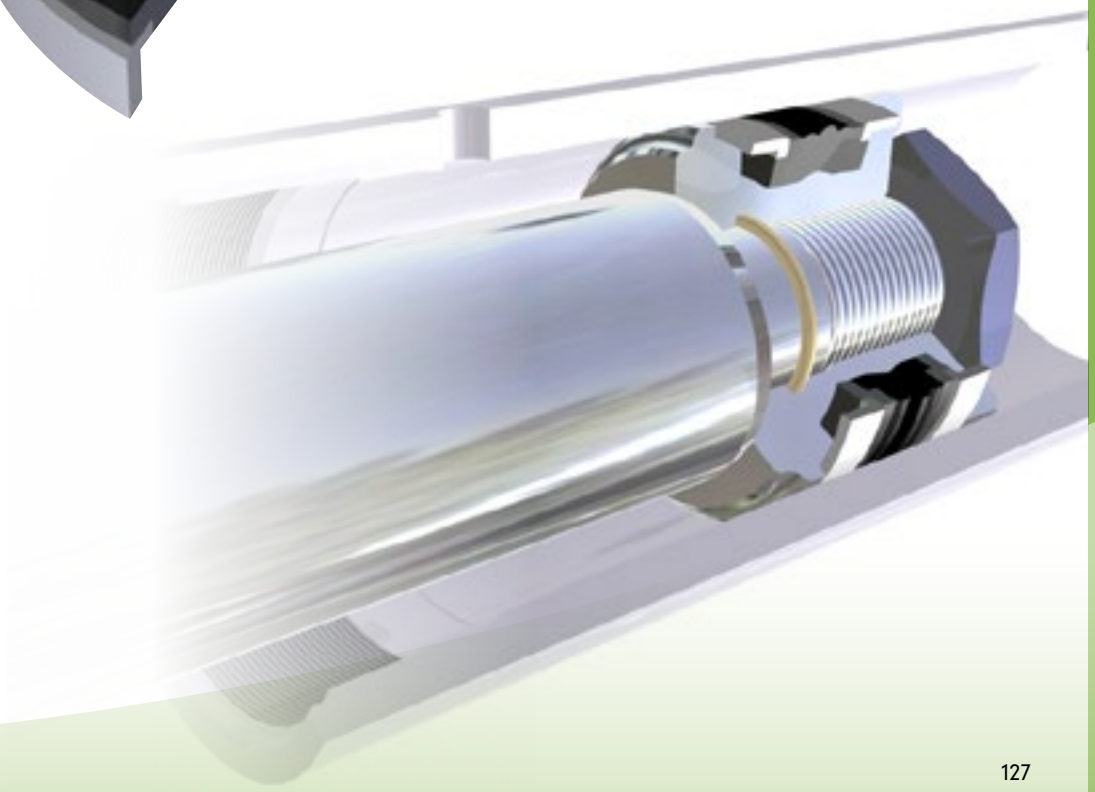


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TPL

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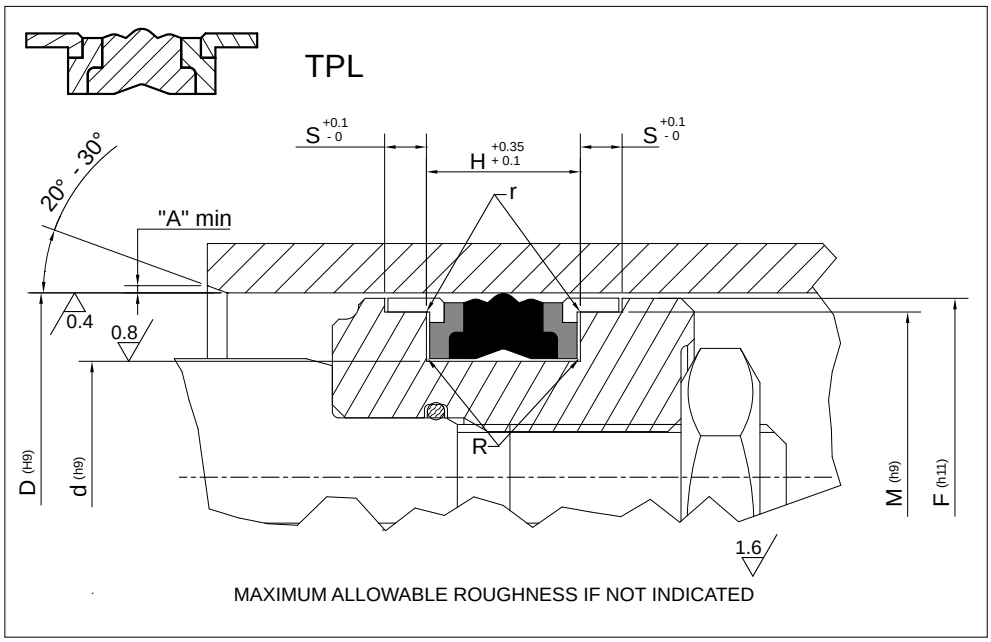
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Suministros Industriales y Servicios



TECNOTEX

Juntas de PISTÓN
PISTON seals

# TPL






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 100mm | | d > 100mm | |
| | max 0.40 mm | | max 0.80 mm | |
| r | 0,2 mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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Suministros Industriales y Servicios

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| TPL 9301 | 078043 | 20,00 | 11,00 | 13,50 | 2,10 | 17,00 | 19,00 |
| TPL 9302 | 086051 | 22,00 | 13,00 | 13,50 | 2,10 | 19,00 | 21,00 |
| TPL 9303 | 098062 | 25,00 | 16,00 | 13,50 | 2,10 | 22,00 | 24,00 |
| TPL 9304 | 110075 | 28,00 | 19,00 | 13,50 | 2,10 | 25,00 | 27,00 |
| TPL 9305 | 118078 | 30,00 | 21,00 | 13,50 | 2,10 | 27,00 | 29,00 |
| TPL 9306 | 125086 | 32,00 | 22,00 | 15,50 | 2,60 | 28,00 | 31,00 |
| TPL 9307 | 137098 | 35,00 | 25,00 | 15,50 | 2,60 | 31,00 | 34,00 |
| **TPL 9308** | **141102** | 36,00 | 26,00 | 15,50 | 2,60 | 32,00 | 35,00 |
| **TPL 9309** | **157102** | 40,00 | 26,00 | 15,50 | 2,60 | 36,00 | 39,00 |
| **TPL 9310** | **165110** | 42,00 | 28,00 | 15,50 | 2,60 | 38,00 | 41,00 |
| **TPL 9311** | **177122** | 45,00 | 31,00 | 15,50 | 2,60 | 41,00 | 44,00 |
| **TPL 9312** | **196133** | 50,00 | 34,00 | 20,50 | 3,10 | 46,00 | 49,00 |
| **TPL 9313** | **216153** | 55,00 | 39,00 | 20,50 | 3,10 | 51,00 | 54,00 |
| **TPL 9314** | **220157** | 56,00 | 40,00 | 20,50 | 3,10 | 52,00 | 55,00 |
| **TPL 9315** | **236173** | 60,00 | 44,00 | 20,50 | 3,10 | 56,00 | 59,00 |
| **TPL 9316** | **244188** | 63,00 | 47,00 | 20,50 | 3,10 | 59,00 | 62,00 |
| **TPL 9316/1** | **255192** | 65,00 | 49,00 | 20,50 | 3,10 | 61,00 | 64,00 |
| **TPL 9317** | **275212** | 70,00 | 54,00 | 20,50 | 3,10 | 66,00 | 69,00 |
| **TPL 9317/1** | **295169** | 75,00 | 59,00 | 20,50 | 3,10 | 71,00 | 74,00 |
| **TPL 9318** | **314244** | 80,00 | 62,00 | 22,50 | 3,60 | 76,00 | 79,00 |
| **TPL 9319** | **354283** | 90,00 | 72,00 | 22,50 | 3,60 | 86,00 | 89,00 |
| **TPL 9320** | **393322** | 100,00 | 82,00 | 22,50 | 3,60 | 96,00 | 99,00 |
| **TPL 9321** | **433362** | 110,00 | 92,00 | 22,50 | 3,60 | 106,00 | 109,00 |
| **TPL 9322** | **452381** | 115,00 | 97,00 | 22,50 | 3,60 | 111,00 | 114,00 |
| **TPL 9323** | **492405** | 125,00 | 103,00 | 26,50 | 5,10 | 121,00 | 124,00 |
| **TPL 9324** | **551464** | 140,00 | 118,00 | 26,50 | 5,10 | 136,00 | 139,00 |
| **TPL 9325** | **590504** | 150,00 | 128,00 | 26,50 | 5,10 | 146,00 | 149,00 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de PISTÓN
PISTON seals

# TPL

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| **TPL 9326** | **629543** | 160,00 | 138,00 | 26,50 | 5,10 | 156,00 | 159,00 |
| **TPL 9326/1** | **669582** | 170,00 | 148,00 | 26,50 | 5,10 | 166,00 | 169,00 |
| **TPL 9327** | **708621** | 180,00 | 158,00 | 26,50 | 5,10 | 176,00 | 179,00 |
| **TPL 9328** | **787688** | 200,00 | 175,00 | 31,50 | 6,60 | 196,00 | 199,00 |
| **TPL 9329** | **886787** | 225,00 | 200,00 | 31,50 | 6,60 | 221,00 | 224,00 |
| **TPL 9330** | **944886** | 250,00 | 225,00 | 31,50 | 6,60 | 246,00 | 249,00 |
| **TPL 9331** | **1082944** | 275,00 | 250,00 | 31,50 | 6,60 | 271,00 | 274,00 |
| **TPL 9332** | **11811082** | 300,00 | 275,00 | 31,50 | 6,60 | 296,00 | 299,00 |

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# TPS/T

**Juntas** de PISTÓN
**PISTON seals**

TECNOTEX

| **Versión standar** | | ***Standard version*** | |
|---|---|---|---|
| Elemento de sellado | NBR | *Sealing Ring* | *NBR* |
| Anillo de soporte | TPE | *Support Ring* | *TPE* |
| Anillo guía | POM | *Guide Ring* | *POM* |

| **Versión alternativa** | | ***Alternative Versions*** | |
|---|---|---|---|
| Elemento *de sellado* | *NBR FKM* | *Sealing Ring* | *NBR FKM* |
| Elemento *de sellado* | *NBR Baja Temp.* | *Sealing Ring* | *Low temp. NBR* |

| **Presión hasta / *Pressure up to*** | **Velocidad hasta / *Speed up to*** |
|---|---|
| 40 MPa | 0.8 m/s |

| **Temperatura / *Temperature*** | | |
|---|---|---|
| -30°C +110°C | -20°C +200°C FKM | -50°C +110°C TDS 108 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros de minería | *Mining Cylinders* |
| Prensas | *Presses* |
| Siderurgia | *Steel Mills* |

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# TPS/C



**Juntas** de PISTÓN
**PISTON seals**

TECNOTEX

| **Versión standar** | | ***Standard version*** | |
|---|---|---|---|
| Elemento de sellado | NBR | *Sealing Ring* | *NBR* |
| Anillo de soporte | TPE | *Support Ring* | *TPE* |
| Anillo guía | POM | *Guide Ring* | *POM* |

| **Versión alternativa** | | ***Alternative Versions*** | |
|---|---|---|---|
| Elemento *de sellado* | *NBR FKM* | *Sealing Ring* | *NBR FKM* |
| Elemento *de sellado* | *NBR Baja Temp.* | *Sealing Ring* | *Low temp. NBR* |

| **Presión hasta / *Pressure up to*** | **Velocidad hasta / *Speed up to*** |
|---|---|
| 35 MPa | 0.5 m/s |

| **Temperatura / *Temperature*** | | |
|---|---|---|
| -30°C +110°C | -20°C +200°C FKM | -50°C +110°C TDS 108 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos | *Hydraulic Cylinders* |
| Cilindros de grúa | *Truck crane Cylinders* |
| Cilindros para agricultura | *Agricultural Cylinders* |
| Carretillas elevadoras | *Fork Lifts* |



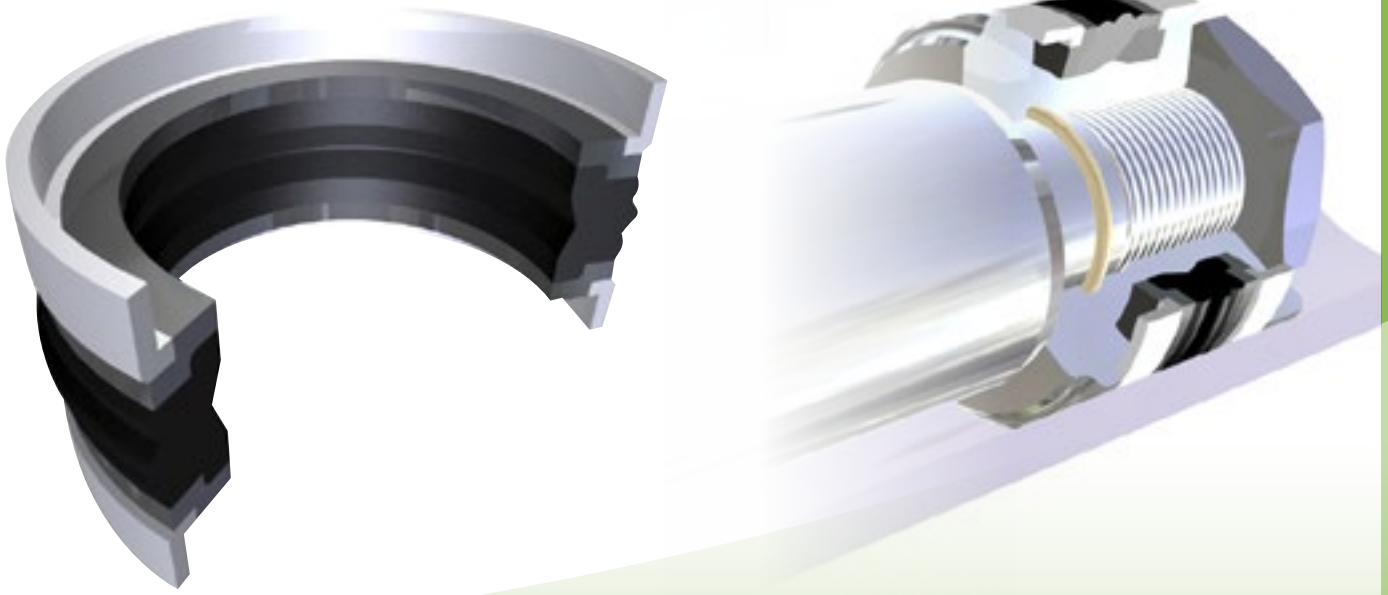
Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TPS/T • TPS/G

130÷133



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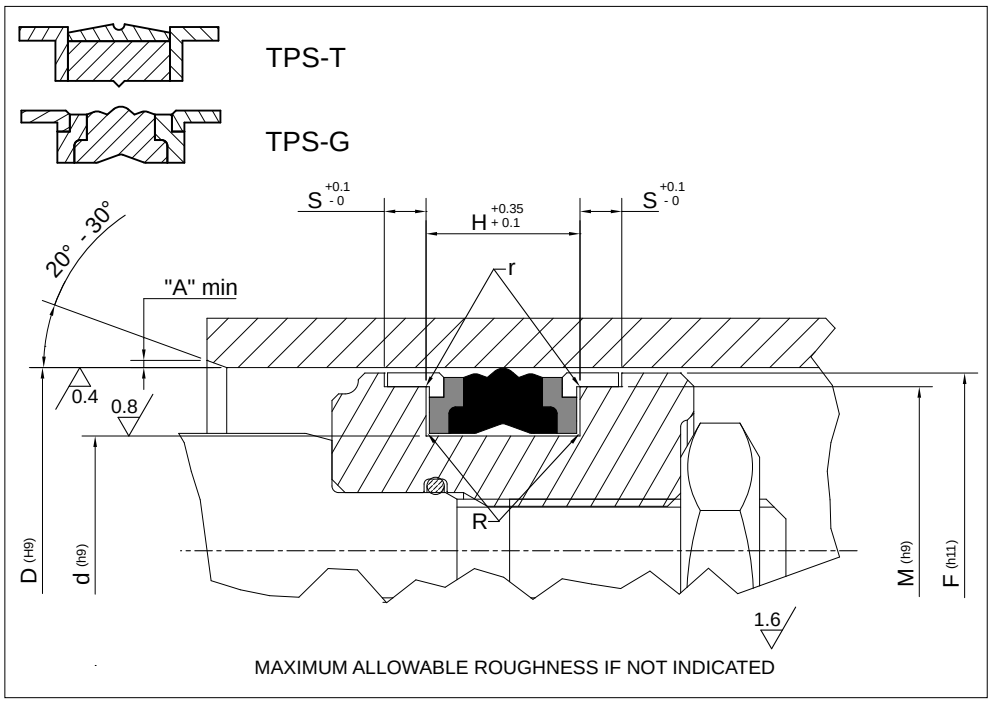


TECNOTEX

Juntas de PISTÓN
PISTON seals

# TPS/T
# TPS/G






**Piston Seal design guidelines**

| | | | | |
|---|---|---|---|---|
| **R** | **d ≤ 100mm** | | **d > 100mm** | |
| | max 0.40 mm | | max 0.80 mm | |
| **r** | 0,2 mm | | | |
| **A** | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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Suministros Industriales y Servicios

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| **TPS 9501** | 098046 | 25,00 | 17,00 | 13,50 | 3,20 | 21,00 | 24,40 |
| **TPS 9501/1** | 098055 | 25,00 | 14,00 | 13,50 | 3,20 | 21,00 | 24,40 |
| **TPS 9502** | 118086 | 30,00 | 22,00 | 13,50 | 3,20 | 26,00 | 29,40 |
| **TPS 9502/1** | 118075 | 30,00 | 19,00 | 13,50 | 3,20 | 26,00 | 29,40 |
| **TPS 9503** | 125074 | 32,00 | 24,00 | 15,50 | 3,20 | 28,00 | 31,40 |
| **TPS 9503/1** | 125083 | 32,00 | 21,00 | 15,50 | 3,20 | 28,00 | 31,40 |
| **TPS 9504** | 137106 | 35,00 | 27,00 | 15,50 | 3,20 | 31,00 | 34,40 |
| **TPS 9504/1** | 137094 | 35,00 | 24,00 | 15,50 | 3,20 | 31,00 | 34,40 |
| **TPS 9505** | 157125 | 40,00 | 32,00 | 15,50 | 3,20 | 36,00 | 39,40 |
| **TPS 9505/1** | 157114 | 40,00 | 29,00 | 15,50 | 3,20 | 36,00 | 39,40 |
| **TPS 9506** | 177145 | 45,00 | 37,00 | 15,50 | 3,20 | 41,00 | 44,40 |
| **TPS 9507** | 196149 | 50,00 | 38,00 | 20,50 | 4,20 | 46,00 | 49,40 |
| **TPS 9507/1** | 216175 | 55,00 | 43,00 | 20,50 | 4,20 | 51,00 | 54,90 |
| **TPS 9508** | 236188 | 60,00 | 48,00 | 20,50 | 4,20 | 56,00 | 59,40 |
| **TPS 9509** | 248200 | 63,00 | 51,00 | 20,50 | 4,20 | 59,00 | 62,40 |
| **TPS 9509/1** | 255208 | 65,00 | 53,00 | 20,50 | 4,20 | 61,00 | 64,40 |
| **TPS 9510** | 275228 | 70,00 | 58,00 | 20,50 | 4,20 | 66,00 | 69,40 |
| **TPS 9510/1** | 295248 | 75,00 | 63,00 | 20,50 | 4,20 | 71,00 | 74,40 |
| **TPS 9511** | 314259 | 80,00 | 66,00 | 22,50 | 5,20 | 76,00 | 79,40 |
| **TPS 9511/1** | 334279 | 85,00 | 71,00 | 22,50 | 5,20 | 81,00 | 84,40 |
| **TPS 9512** | 354299 | 90,00 | 76,00 | 22,50 | 5,20 | 86,00 | 89,40 |
| **TPS 9513** | 393338 | 100,00 | 86,00 | 22,50 | 5,20 | 96,00 | 99,40 |
| **TPS 9514** | 433377 | 110,00 | 96,00 | 22,50 | 5,20 | 106,00 | 109,40 |
| **TPS 9515** | 472417 | 120,00 | 106,00 | 22,50 | 5,20 | 116,00 | 119,40 |
| **TPS 9516** | 492425 | 125,00 | 108,00 | 26,50 | 7,20 | 121,00 | 124,40 |
| **TPS 9516/1** | 511445 | 130,00 | 113,00 | 26,50 | 7,20 | 126,00 | 129,40 |
| **TPS 9516/2** | 531464 | 135,00 | 118,00 | 26,50 | 7,20 | 131,00 | 134,40 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de PISTÓN
PISTON seals

# TPS/T
# TPS/G

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| **TPS 9517** | **551480** | 140,00 | 123,00 | 26,50 | 7,20 | 136,00 | 139,40 |
| **TPS 9518** | **590523** | 150,00 | 133,00 | 26,50 | 7,20 | 146,00 | 149,40 |
| **TPS 9519** | **629562** | 160,00 | 143,00 | 26,50 | 7,20 | 156,00 | 159,40 |
| **TPS 9520** | **708641** | 180,00 | 163,00 | 26,50 | 7,20 | 176,00 | 179,40 |
| **TPS 9521** | **787708** | 200,00 | 180,00 | 31,50 | 9,20 | 196,00 | 199,40 |
| **TPS 9522** | **866787** | 220,00 | 200,00 | 31,50 | 9,20 | 216,00 | 219,40 |
| **TPS 9523** | **984905** | 250,00 | 230,00 | 31,50 | 9,20 | 246,00 | 249,40 |

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# TDE

**Juntas** de PISTÓN
**PISTON seals**

TECNOTEX



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| Versión standar | | *Standard version* | |
|---|---|---|---|
| Elemento de sellado<br>Anillo guía | Caucho-tejido<br>POM | *Sealing Ring*<br>*Guide Ring* | *NBR+Cotton Fabric*<br>*POM* |

| **Versión alternativa** | | ***Alternative Versions*** | |
|---|---|---|---|
| Elemento de sellado<br>Anillo guía | Caucho-tejido FKM<br>POM | *Sealing Ring*<br>*Guide ring* | *NBR+Cotton Fabric FKM*<br>*POM* |

| **Presión hasta / *Pressure up to*** | |
|---|---|
| 50 MPa | |

| **Velocidad hasta / *Speed up to*** | |
|---|---|
| 0.5 m/s | |

| **Temperatura / *Temperature*** | |
|---|---|
| -30°C +110°C | -20°C +200°C FKM |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros de minería<br>Prensas<br>Siderurgia<br>Cilindros para aplicaciones pesadas | *Mining Cylinders*<br>*Presses*<br>*Steel Mills*<br>*Heavy duty applications* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TDE

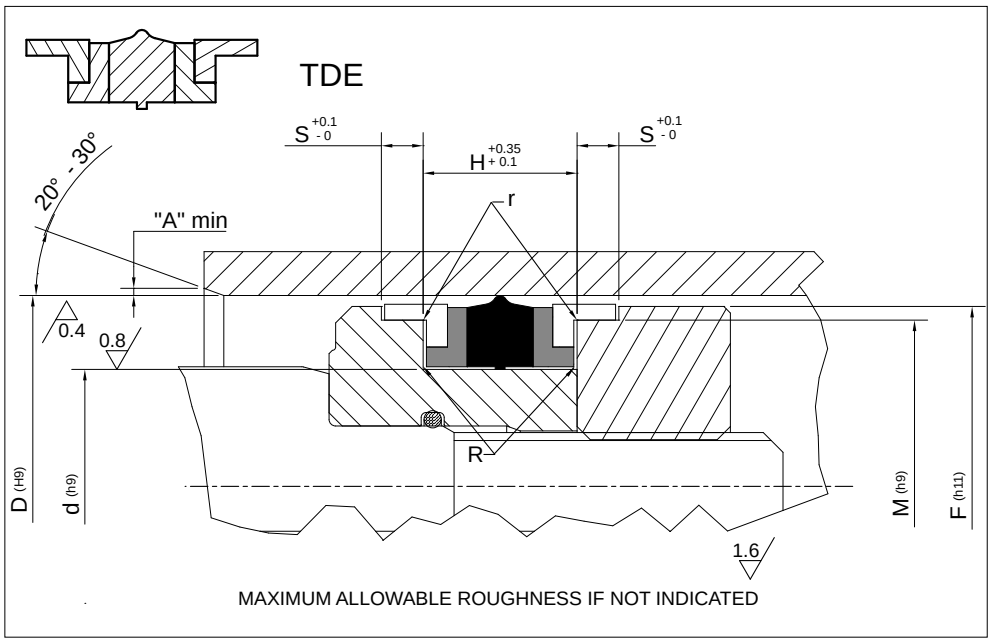
134÷137



TECNOTEX

Juntas de PISTÓN
PISTON seals

# TDE






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| **R** | **d ≤ 100mm** | | **d > 100mm** | |
| | max 0.40 mm | | max 0.80 mm | |
| **r** | 0,2 mm | | | |
| **A** | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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Suministros Industriales y Servicios

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| TDE 1000 | 093047 | 25,00 | 12,00 | 12,40 | 6,35 | 21,45 | 24,00 |
| TDE 1001 | 118066 | 30,00 | 17,00 | 15,40 | 6,35 | 26,50 | 29,00 |
| TDE 1002 | 137086 | 35,00 | 22,00 | 15,40 | 6,35 | 31,40 | 33,70 |
| TDE 1003 | 157094 | 40,00 | 24,00 | 18,40 | 6,35 | 35,40 | 38,70 |
| TDE 1004 | 177114 | 45,00 | 27,00 | 18,40 | 6,35 | 40,40 | 43,70 |
| TDE 1004/1 | 196118 | 50,00 | 30,00 | 25,40 | 6,35 | 44,30 | 48,30 |
| TDE 1005 | 196133 | 50,00 | 34,00 | 18,40 | 6,35 | 45,40 | 48,70 |
| **TDE 1006** | **216153** | 55,00 | 39,00 | 18,40 | 6,35 | 50,40 | 53,70 |
| **TDE 1007** | **236173/1** | 60,00 | 44,00 | 18,50 | 6,35 | 55,40 | 58,70 |
| **TDE 1007/1** | **236173/2** | 60,00 | 44,00 | 20,00 | 6,35 | 55,40 | 58,70 |
| **TDE 1008** | **248185** | 63,00 | 47,00 | 19,40 | 6,35 | 58,40 | 61,65 |
| **TDE 1009** | **255196** | 65,00 | 50,00 | 18,40 | 6,35 | 60,40 | 63,70 |
| **TDE 1010** | **275196** | 70,00 | 50,00 | 22,40 | 6,35 | 64,20 | 68,30 |
| **TDE 1011** | **295216** | 75,00 | 55,00 | 22,40 | 6,35 | 69,20 | 73,30 |
| **TDE 1012** | **295220** | 75,00 | 56,00 | 24,40 | 6,35 | 69,20 | 73,30 |
| **TDE 1012/1** | **300225** | 76,20 | 57,15 | 22,40 | 6,35 | 70,50 | 74,50 |
| **TDE 1013** | **314236** | 80,00 | 60,00 | 22,40 | 6,35 | 74,20 | 78,30 |
| **TDE 1014** | **326248** | 83,00 | 63,00 | 22,40 | 6,35 | 76,16 | 81,30 |
| **TDE 1015** | **334255** | 85,00 | 65,00 | 22,40 | 6,35 | 79,20 | 83,35 |
| **TDE 1016** | **354275** | 90,00 | 70,00 | 22,40 | 6,35 | 84,15 | 88,30 |
| **TDE 1016/1** | **354275/1** | 90,00 | 70,00 | 25,40 | 6,35 | 84,15 | 88,30 |
| **TDE 1017** | **374295** | 95,00 | 75,00 | 22,40 | 6,35 | 89,15 | 93,30 |
| **TDE 1018** | **393295** | 100,00 | 75,00 | 22,40 | 6,35 | 93,15 | 98,05 |
| **TDE 1019** | **393314** | 100,00 | 80,00 | 25,40 | 6,35 | 94,15 | 98,31 |
| **TDE 1019/1** | **400325** | 101,60 | 82,55 | 24,21 | 6,35 | 95,78 | 99,90 |
| **TDE 1020** | **413314** | 105,00 | 80,00 | 22,40 | 6,35 | 98,10 | 103,00 |
| **TDE 1021** | **433334/1** | 110,00 | 85,00 | 22,40 | 6,35 | 103,10 | 108,00 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de PISTÓN
PISTON seals

# TDE

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| TDE 1022 | 433334 | 110,00 | 85,00 | 25,40 | 6,35 | 103,10 | 108,00 |
| TDE 1023 | 433354 | 110,00 | 90,00 | 25,40 | 6,35 | 104,15 | 108,30 |
| TDE 1023/1 | 450350 | 114,30 | 88,90 | 32,15 | 6,35 | 107,42 | 113,00 |
| TDE 1024 | 452354 | 115,00 | 90,00 | 22,40 | 6,35 | 108,10 | 113,00 |
| TDE 1025 | 472374 | 120,00 | 95,00 | 22,40 | 6,35 | 113,10 | 118,00 |
| TDE 1026 | 472393 | 120,00 | 100,00 | 25,40 | 6,35 | 114,10 | 118,30 |
| TDE 1027 | 492393 | 125,00 | 100,00 | 25,40 | 6,35 | 118,10 | 123,00 |
| TDE 1028 | 492393/1 | 125,00 | 100,00 | 32,40 | 6,35 | 118,10 | 123,00 |
| TDE 1029 | 492413 | 125,00 | 105,00 | 25,40 | 6,35 | 119,15 | 123,00 |
| TDE 1029/1 | 500400 | 127,00 | 101,60 | 32,15 | 6,35 | 120,09 | 124,98 |
| TDE 1030 | 511413 | 130,00 | 105,00 | 25,40 | 6,35 | 123,10 | 128,00 |
| TDE 1031 | 531433 | 135,00 | 110,00 | 25,40 | 6,35 | 128,10 | 133,00 |
| TDE 1032 | 551452 | 140,00 | 115,00 | 25,40 | 6,35 | 133,00 | 138,00 |
| TDE 1033 | 551472 | 140,00 | 120,00 | 25,40 | 6,35 | 134,10 | 138,30 |
| TDE 1034 | 570472 | 145,00 | 120,00 | 25,40 | 6,35 | 138,30 | 142,95 |
| TDE 1035 | 590472 | 150,00 | 120,00 | 38,40 | 6,35 | 143,00 | 148,00 |
| TDE 1036 | 590492 | 150,00 | 125,00 | 25,40 | 6,35 | 143,00 | 148,00 |
| TDE 1037 | 610511 | 155,00 | 130,00 | 25,40 | 6,35 | 148,00 | 153,00 |
| TDE 1038 | 629511 | 160,00 | 130,00 | 25,40 | 6,35 | 153,00 | 157,90 |
| TDE 1038/1 | 638511 | 162,00 | 130,00 | 25,40 | 6,35 | 155,00 | 159,00 |
| TDE 1039 | 669551 | 170,00 | 140,00 | 25,40 | 6,35 | 162,95 | 167,87 |
| TDE 1039/1 | 700600 | 177,80 | 152,40 | 32,15 | 6,35 | 170,80 | 175,75 |
| TDE 1040 | 708629 | 180,00 | 160,00 | 31,40 | 6,35 | 172,95 | 177,87 |
| TDE 1041 | 708590 | 180,00 | 150,00 | 35,40 | 6,35 | 172,95 | 177,87 |
| TDE 1042 | 748629 | 190,00 | 160,00 | 35,40 | 6,35 | 482,93 | 187,87 |
| TDE 1043 | 787669 | 200,00 | 170,00 | 35,40 | 6,35 | 192,96 | 197,84 |
| TDE 1044 | 826708 | 210,00 | 180,00 | 32,40 | 6,35 | 202,72 | 207,87 |
| TDE 1045 | 866748 | 220,00 | 190,00 | 35,40 | 6,35 | 212,70 | 217,90 |
| TDE 1046 | 984866 | 250,00 | 220,00 | 35,40 | 6,35 | 242,90 | 247,86 |

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# GT/3

**Juntas** de PISTÓN
**PISTON seals**

TECNOTEX



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| Versión standar | *Standard version* |
|---|---|
| Base TPE<br>V-Ring NBR+V-Ring Caucho-tejido<br>Anillo de tapa en POM | *Base Ring TPE*<br>*V-Ring NBR + V-Ring NBR/Cotton Fabric*<br>*Header Ring POM* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| GT FKM<br>GT solo Tejido | *GT FKM*<br>*All Cotton Fabric GT* |

| **Presión hasta / *Pressure up to*** |
|---|
| 40 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -30°C +110°C | -20°C +200°C FKM |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Prensas<br>Siderurgia<br>Excavadoras<br>Máquinas de inyección | *Presses*<br>*Steel Mills*<br>*Excavators*<br>*Injection moulding machines* |

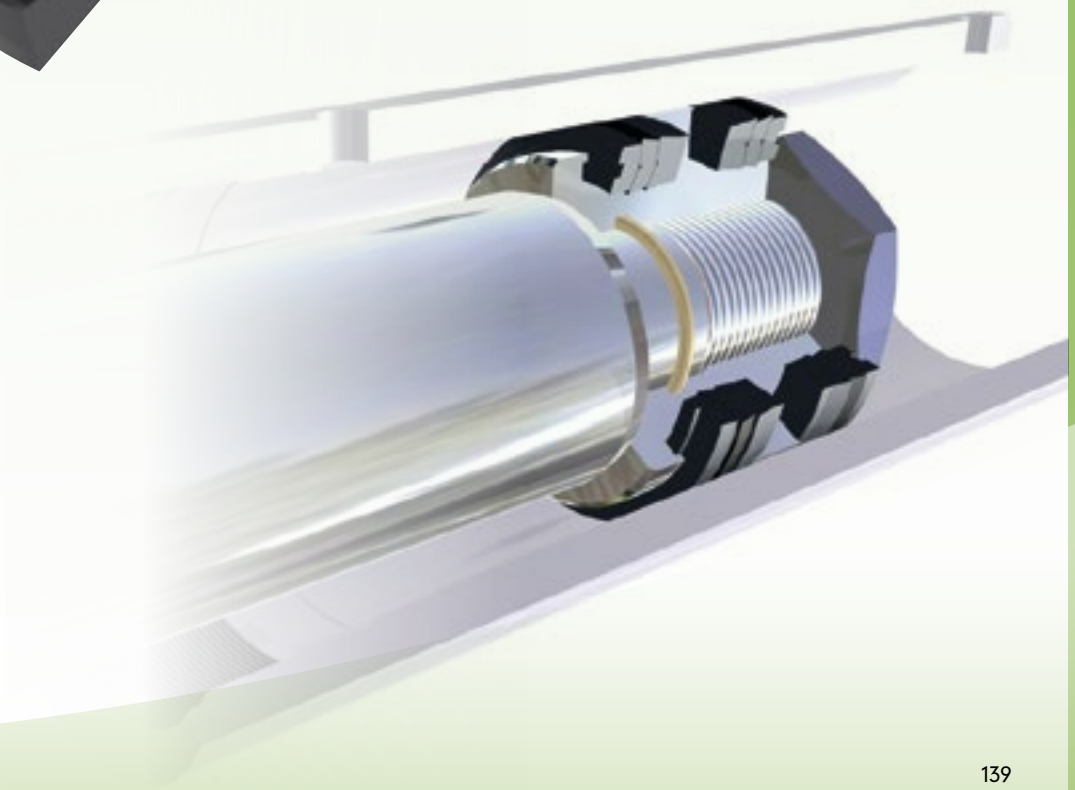


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GT/3

138÷141

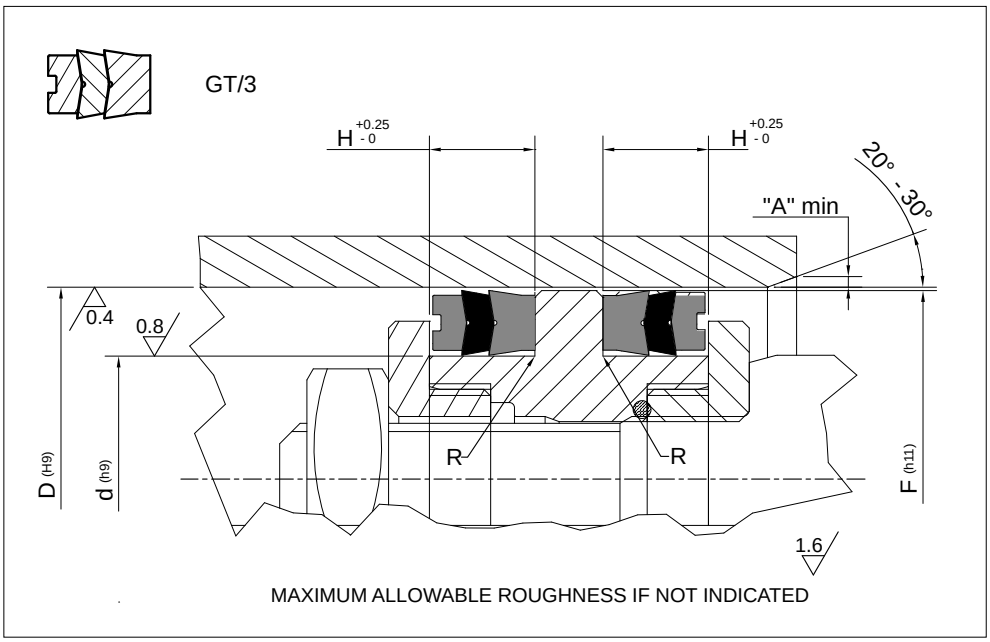
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TECNOTEX

Juntas de PISTÓN
PISTON seals

# GT/3






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 100mm | | d > 100mm | |
| | max 0.40 mm | | max 0.80 mm | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | D | d | H | F |
| GT3-20 | 078039 | 20,00 | 10,00 | 9,30 | 19,50 |
| GT3-22 | 086047 | 22,00 | 12,00 | 9,30 | 21,50 |
| GT3-25 | 098059 | 25,00 | 15,00 | 9,30 | 24,50 |
| GT3-28 | 110070 | 28,00 | 18,00 | 9,30 | 27,50 |
| GT3-30 | 118078 | 30,00 | 20,00 | 9,30 | 29,50 |
| GT3-32 | 125078 | 32,00 | 20,00 | 10,90 | 31,00 |
| GT3-35 | 137090 | 35,00 | 23,00 | 10,90 | 34,00 |
| **GT3-36** | **141094** | 36,00 | 24,00 | 10,90 | 35,00 |
| **GT3-40** | **157098** | 40,00 | 25,00 | 11,50 | 39,00 |
| **GT3-42** | **165106** | 42,00 | 27,00 | 11,50 | 41,00 |
| **GT3-45** | **177118** | 45,00 | 30,00 | 11,50 | 44,00 |
| **GT3-50** | **196137** | 50,00 | 35,00 | 11,50 | 49,00 |
| **GT3-55** | **216157** | 55,00 | 40,00 | 11,50 | 54,00 |
| **GT3-56** | **220161** | 56,00 | 41,00 | 11,50 | 55,00 |
| **GT3-60** | **236177** | 60,00 | 45,00 | 11,50 | 59,00 |
| **GT3-63** | **248188** | 63,00 | 48,00 | 13,00 | 62,00 |
| **GT3-70** | **275196** | 70,00 | 50,00 | 15,20 | 69,00 |
| **GT3-80** | **314236** | 80,00 | 60,00 | 15,20 | 79,00 |
| **GT3-90** | **354275** | 90,00 | 70,00 | 21,20 | 89,00 |
| **GT3-100** | **393314** | 100,00 | 80,00 | 21,20 | 99,00 |
| **GT3-110** | **433354** | 110,00 | 90,00 | 21,20 | 109,00 |
| **GT3-115** | **452374** | 115,00 | 95,00 | 21,20 | 114,00 |
| **GT3-125** | **492393** | 125,00 | 100,00 | 25,80 | 124,00 |
| **GT3-140** | **551452** | 140,00 | 115,00 | 25,80 | 139,00 |
| **GT3-150** | **590472** | 150,00 | 120,00 | 29,00 | 148,50 |
| **GT3-155** | **610492** | 155,00 | 125,00 | 34,00 | 153,50 |
| **GT3-160** | **629511** | 160,00 | 130,00 | 29,00 | 158,50 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | D | d | H | F |
| GT3-180 | 708590 | 180,00 | 150,00 | 31,50 | 178,50 |
| GT3-195 | 767649 | 195,00 | 165,00 | 32,50 | 193,50 |
| GT3-200 | 787669 | 200,00 | 170,00 | 33,50 | 198,50 |
| GT3-210 | 826708 | 210,00 | 180,00 | 33,50 | 208,50 |
| GT3-220 | 866748 | 220,00 | 190,00 | 33,50 | 218,50 |
| GT3-225 | 885767 | 225,00 | 195,00 | 33,50 | 223,50 |
| GT3-230 | 905787 | 230,00 | 200,00 | 33,50 | 228,50 |
| GT3-240 | 944846 | 240,00 | 215,00 | 33,50 | 238,50 |
| GT3-250 | 984866 | 250,00 | 220,00 | 33,50 | 248,50 |
| GT3-270 | 1062944 | 270,00 | 240,00 | 33,50 | 268,50 |
| GT3-275 | 1082965 | 275,00 | 245,00 | 33,50 | 273,50 |
| GT3-280 | 1102984 | 280,00 | 250,00 | 33,50 | 278,50 |
| GT3-300 | 11811062 | 300,00 | 270,00 | 33,50 | 298,50 |
| GT3-310 | 12201102 | 310,00 | 280,00 | 33,50 | 308,50 |
| GT3-320 | 12591141 | 320,00 | 290,00 | 33,50 | 318,50 |
| GT3-330 | 12991181 | 330,00 | 300,00 | 32,00 | 328,50 |
| GT3-340 | 13381181 | 340,00 | 300,00 | 32,00 | 338,50 |
| GT3-360 | 14171259 | 360,00 | 320,00 | 33,50 | 358,50 |
| GT3-380 | 14961338 | 380,00 | 340,00 | 42,50 | 378,50 |
| GT3-400 | 15741417 | 400,00 | 360,00 | 40,00 | 398,50 |
| GT3-420 | 16531496 | 420,00 | 380,00 | 40,00 | 418,50 |
| GT3-450 | 17711614 | 450,00 | 410,00 | 41,50 | 448,50 |
| GT3-460 | 18111653 | 460,00 | 420,00 | 40,00 | 458,50 |

TECNOTEX

Juntas de PISTÓN
PISTON seals

# GT/3

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# PDE

**Juntas** de PISTÓN
**PISTON seals**

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| **Versión standar** | | ***Standard version*** | |
|---|---|---|---|
| Elemento de sellado | NBR | *Sealing Ring* | *NBR* |
| Base | TPE | *Support Ring* | *TPE* |
| Anillo guía | POM | *Guide Ring* | *POM* |

| **Versión alternativa** | | ***Alternative Versions*** | |
|---|---|---|---|
| Base | Caucho-tejido | *Support Ring* | *NBR/Cotton Fabric* |
| Base | Caucho-tejido FKM | *Support Ring* | *NBR/Cotton Fabric FKM* |
| Elemento de sellado | NBR FKM | *Sealing Ring* | *NBR FKM* |
| Elemento de sellado | NBR Baja Temperatura | *Sealing Ring* | *NBR Low Temp.* |
| Disponible partido para cilindros monobloque | | *Availabe split for one piece pistons* | |

| **Presión hasta / *Pressure up to*** |
|---|
| 70 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | | |
|---|---|---|
| -30°C +110°C | -20°C +200°C FKM | -50°C +110°C TDS 108 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Excavadoras | *Excavators* |
| Siderurgia | *Steel Mills* |
| Cilindros de minería | *Mining Cyinders* |
| Cilindros de plataformas aereas | *Hydraulic Lift platforms* |
| Prensas | *Presses* |

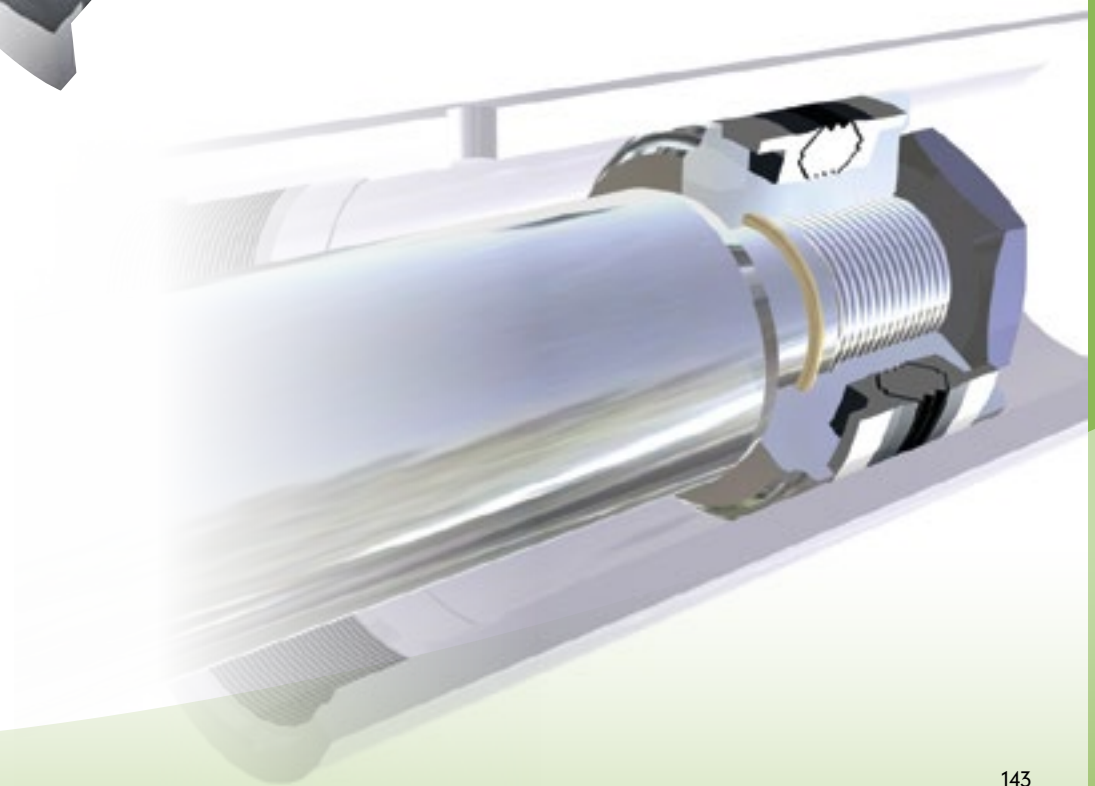


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# PDE

14÷23

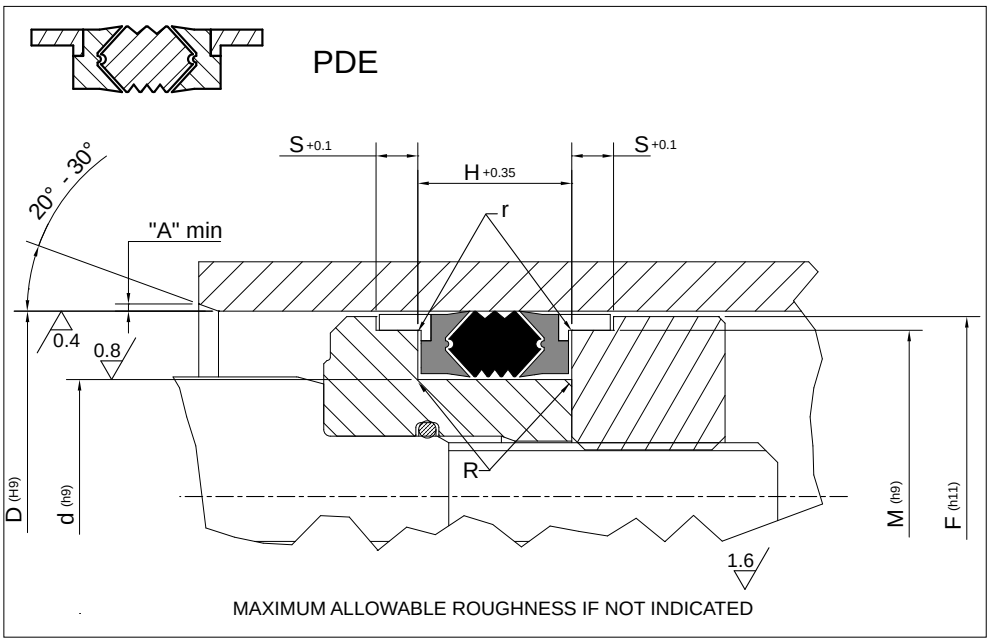
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TECNOTEX

Juntas de PISTÓN
PISTON seals

# PDE






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 100mm | | d > 100mm | |
| | max 0.40 mm | | max 0.80 mm | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| PDE 801 | 177114/1 | 45,00 | 29,00 | 32,00 | 6,35 | 38,80 | 42,85 |
| PDE 802 | 196133/1 | 50,00 | 34,00 | 32,00 | 6,35 | 43,77 | 47,85 |
| PDE 803 | 216157/1 | 55,00 | 40,00 | 32,00 | 6,35 | 48,77 | 52,85 |
| PDE 804 | 236173/1 | 60,00 | 44,00 | 32,00 | 6,35 | 53,80 | 57,80 |
| PDE 805 | 248185/1 | 63,00 | 47,00 | 32,00 | 6,35 | 56,74 | 60,81 |
| PDE 806 | 255192/1 | 65,00 | 49,00 | 32,00 | 6,35 | 58,70 | 62,80 |
| PDE 807 | 275196/1 | 70,00 | 50,00 | 35,00 | 9,52 | 62,62 | 67,54 |
| **PDE 808** | **295216/1** | 75,00 | 55,00 | 35,00 | 9,52 | 67,70 | 72,54 |
| **PDE 809** | **314236/1** | 80,00 | 60,00 | 35,00 | 9,52 | 72,62 | 77,52 |
| **PDE 810** | **314251/1** | 80,00 | 64,00 | 32,00 | 9,52 | 72,62 | 77,52 |
| **PDE 811** | **334255/1** | 85,00 | 65,00 | 35,00 | 9,52 | 77,62 | 82,54 |
| **PDE 812** | **354275/1** | 90,00 | 70,00 | 35,00 | 9,52 | 82,58 | 87,79 |
| **PDE 813** | **354291/1** | 90,00 | 74,00 | 32,00 | 9,52 | 82,87 | 87,79 |
| **PDE 814** | **374295/1** | 95,00 | 75,00 | 35,00 | 9,52 | 87,60 | 92,50 |
| **PDE 815** | **393314/1** | 100,00 | 80,00 | 35,00 | 9,52 | 92,60 | 97,50 |
| **PDE 816** | **433334/1** | 110,00 | 85,00 | 45,00 | 12,70 | 101,82 | 107,33 |
| **PDE 817** | **433354/1** | 110,00 | 90,00 | 35,00 | 9,52 | 102,70 | 107,51 |
| **PDE 818** | **452354/1** | 115,00 | 90,00 | 45,00 | 12,70 | 106,82 | 112,33 |
| **PDE 819** | **472374/1** | 120,00 | 95,00 | 45,00 | 12,70 | 111,82 | 117,33 |
| **PDE 820** | **472393/1** | 120,00 | 100,00 | 35,00 | 9,52 | 112,80 | 117,51 |
| **PDE 821** | **492393/1** | 125,00 | 100,00 | 45,00 | 12,70 | 116,82 | 122,33 |
| **PDE 822** | **511413/1** | 130,00 | 105,00 | 45,00 | 12,70 | 121,82 | 127,33 |
| **PDE 822/1** | **511433/1** | 130,00 | 110,00 | 35,00 | 9,52 | 122,70 | 127,33 |
| **PDE 823** | **531433/1** | 135,00 | 110,00 | 45,00 | 12,70 | 126,82 | 132,33 |
| **PDE 824** | **551452/1** | 140,00 | 115,00 | 45,00 | 12,70 | 131,72 | 137,30 |
| **PDE 825** | **551472/1** | 140,00 | 120,00 | 35,00 | 9,52 | 132,70 | 137,30 |
| **PDE 826** | **570472/1** | 145,00 | 120,00 | 45,00 | 12,70 | 136,72 | 142,30 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de PISTÓN
PISTON seals

# PDE

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | H | S | M | F |
| **PDE 827** | 590492/1 | 150,00 | 125,00 | 45,00 | 12,70 | 141,72 | 147,30 |
| **PDE 828** | 629531/1 | 160,00 | 135,00 | 45,00 | 12,70 | 151,72 | 157,10 |
| **PDE 829** | 669551/1 | 170,00 | 140,00 | 45,00 | 12,70 | 163,00 | 167,87 |
| **PDE 830** | 708610/1 | 180,00 | 155,00 | 45,00 | 12,70 | 171,60 | 177,10 |
| **PDE 831** | 728629/1 | 185,00 | 160,00 | 45,00 | 12,70 | 176,72 | 182,10 |
| **PDE 831/1** | 732633/1 | 186,00 | 161,00 | 45,00 | 12,00 | 177,72 | 183,10 |
| **PDE 832** | 748649/1 | 190,00 | 165,00 | 45,00 | 12,70 | 181,72 | 187,10 |
| **PDE 833** | 787688/1 | 200,00 | 175,00 | 45,00 | 12,70 | 191,72 | 197,10 |
| **PDE 834** | 826728/1 | 210,00 | 185,00 | 45,00 | 12,70 | 201,60 | 207,10 |
| **PDE 835** | 866767/1 | 220,00 | 195,00 | 45,00 | 12,70 | 211,60 | 217,10 |
| **PDE 836** | 905807/1 | 230,00 | 205,00 | 45,00 | 12,70 | 221,72 | 227,10 |
| **PDE 837** | 944846/1 | 240,00 | 215,00 | 45,00 | 12,70 | 231,72 | 237,10 |
| **PDE 838** | 984886/1 | 250,00 | 225,00 | 45,00 | 12,70 | 241,72 | 247,10 |
| **PDE 839** | 1024925/1 | 260,00 | 235,00 | 45,00 | 12,70 | 251,72 | 257,10 |
| **PDE 840** | 1062965/1 | 270,00 | 245,00 | 45,00 | 12,70 | 261,72 | 267,10 |
| **PDE 841** | 11021004/1 | 280,00 | 255,00 | 45,00 | 12,70 | 271,72 | 277,10 |
| **PDE 842** | 11411043/1 | 290,00 | 265,00 | 45,00 | 12,70 | 281,72 | 287,10 |
| **PDE 843** | 11811082/1 | 300,00 | 275,00 | 45,00 | 12,70 | 291,72 | 297,10 |
| **PDE 843/1** | 12591161/1 | 320,00 | 295,00 | 45,00 | 12,70 | 311,72 | 317,10 |
| **PDE 844** | 13771279/1 | 350,00 | 325,00 | 45,00 | 12,70 | 341,72 | 347,10 |
| **PDE 845** | 14171318/1 | 360,00 | 335,00 | 44,50 | 12,70 | 351,72 | 357,33 |
| **PDE 846** | 14961397/1 | 380,00 | 355,00 | 45,00 | 12,70 | 371,75 | 377,33 |

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# PDP

**Juntas** de PISTÓN
**PISTON seals**

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| **Versión standar** | | ***Standard version*** | |
|---|---|---|---|
| Elemento de sellado | NBR | *Sealing Ring* | *NBR* |
| Anillo externo | Poliuretano | *Outer Sealing Ring* | *Polyurethane* |
| Arandelas | POM | *Back up Rings* | *POM* |

| **Versión alternativa** | | ***Alternative Versions*** | |
|---|---|---|---|
| Elemento de sellado | NBR baja temperatura | *Sealing Ring* | *NBR low temp.* |

| **Presión hasta / *Pressure up to*** |
|---|
| 40 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -30°C +110°C | -50°C +110°C TDS 108 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Excavadoras | *Excavators* |
| Hidráulica móvil | *Mobile Hydraulics* |
| Cilindros para aplicaciones medias | *Medium duty hydraulic cylinders* |

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PDH
Juntas de PISTÓN
PISTON seals

TECNOTEX

| **Versión standar** | | ***Standard version*** | |
|---|---|---|---|
| Elemento de sellado | NBR | *Sealing Ring* | *NBR* |
| Anillo externo | PTFE con carga | *Outer Sealing Ring* | *PTFE* |
| Arandelas | POM | *Back up Rings* | *POM* |

| **Versión alternativa** | | ***Alternative Versions*** | |
|---|---|---|---|
| Elemento de sellado | NBR baja temperatura | *Sealing Ring* | *NBR low temp.* |
| Elemento de sellado | NBR FKM | *Sealing Ring* | *NBR FKM* |
| Arandelas | PTFE | *Back up Rings* | *PTFE* |

| **Presión hasta / *Pressure up to*** |
|---|
| 60 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 1.5 m/s |

| **Temperatura / *Temperature*** | | |
|---|---|---|
| -30°C +110°C | -20°C +200°C FKM | -50°C +110°C TDS 108 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Hidráulica móvil | *Mobile Hydraulics* |
| Excavators | *Excavators* |
| Cilindri per Aplicaciones gravose | *Heavy duty hydraulic applications* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# PDP • PDH

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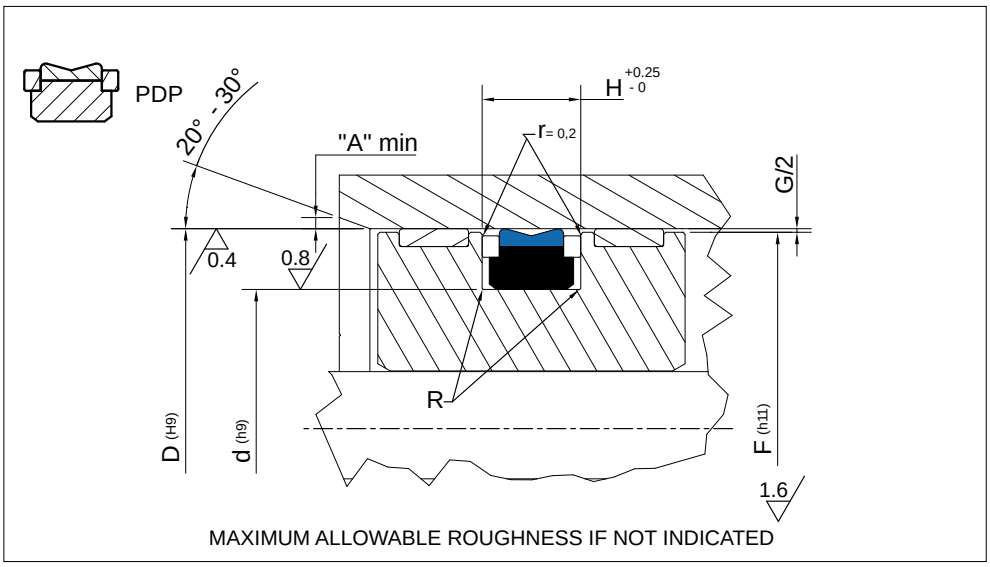
TECNOTEX
TECNOLAN

Juntas de PISTÓN
PISTON seals

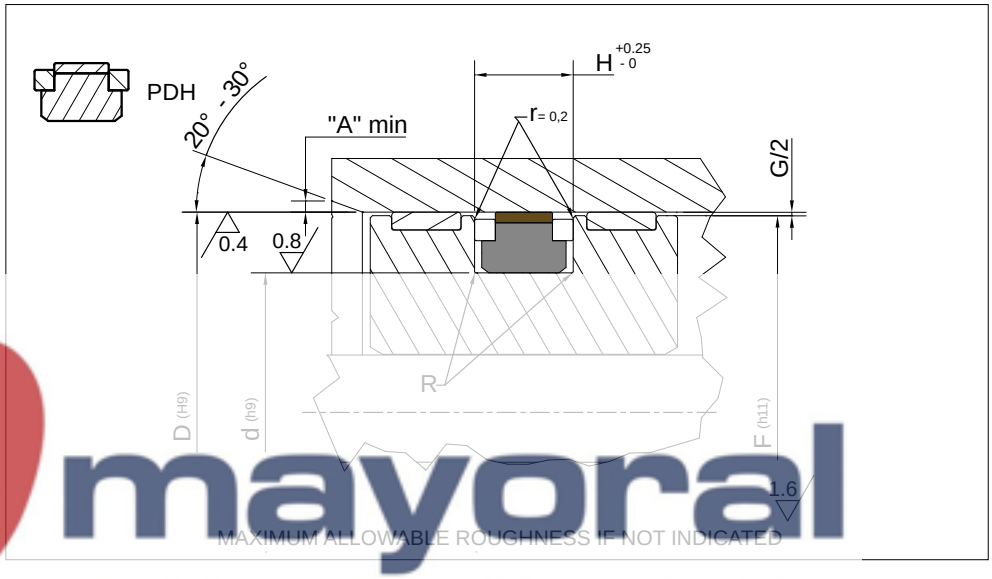
# PDP
# PDH








MAXIMUM ALLOWABLE ROUGHNESS IF NOT INDICATED




MAXIMUM ALLOWABLE ROUGHNESS IF NOT INDICATED

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Piston seal design guidelines

| | | | | |
|---|---|---|---|---|
| R | d ≤ 100mm | | d > 100mm | |
| | max 0.30 mm | | max 0.60 mm | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |
| G | Pressure up to 35 MPa 1.00 | | Pressure from 35 MPa up to 60 MPa peak 0.60 | |

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | |
|---|---|---|---|---|---|---|
| | | D | d | H | S | F |
| PDP/PDH | 101 | 40,00 | 30,00 | 8,00 | 5,00 | 39,30 |
| PDP/PDH | 102 | 50,00 | 36,00 | 9,00 | 5,00 | 49,30 |
| PDP/PDH | 103 | 50,00 | 40,00 | 8,00 | 5,00 | 49,30 |
| PDP/PDH | 104 | 55,00 | 41,00 | 9,00 | 5,00 | 54,30 |
| PDP/PDH | 105 | 60,00 | 46,00 | 9,00 | 5,00 | 59,30 |
| PDP/PDH | 106 | 60,00 | 50,00 | 8,00 | 5,00 | 59,30 |
| PDP/PDH | 107 | 63,00 | 48,00 | 11,00 | 5,00 | 62,30 |
| PDP/PDH | 108 | 63,00 | 53,00 | 8,00 | 5,00 | 62,30 |
| PDP/PDH | 109 | 65,00 | 50,00 | 11,00 | 5,00 | 64,30 |
| PDP/PDH | 110 | 70,00 | 55,00 | 11,00 | 5,00 | 69,30 |
| PDP/PDH | 111 | 70,00 | 60,00 | 8,00 | 5,00 | 69,30 |
| PDP/PDH | 112 | 75,00 | 60,00 | 11,00 | 5,00 | 74,30 |
| PDP/PDH | 113 | 80,00 | 65,00 | 11,00 | 5,00 | 79,00 |
| PDP/PDH | 114 | 80,00 | 65,00 | 12,50 | 5,00 | 79,00 |
| PDP/PDH | 115 | 85,00 | 70,00 | 11,00 | 5,00 | 84,00 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX
TECNOLAN

Juntas de PISTÓN
PISTON seals

# PDP
# PDH

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | |
|---|---|---|---|---|---|---|
| | | D | d | H | S | F |
| PDP/PDH | 116 | 90,00 | 75,00 | 11,00 | 5,00 | 89,00 |
| PDP/PDH | 117 | 90,00 | 75,00 | 12,50 | 5,00 | 89,00 |
| PDP/PDH | 118 | 95,00 | 80,00 | 11,00 | 5,00 | 94,00 |
| PDP/PDH | 119 | 100,00 | 85,00 | 12,50 | 5,00 | 99,00 |
| PDP/PDH | 119/1 | 105,00 | 90,00 | 12,50 | 5,00 | 104,00 |
| PDP/PDH | 120 | 110,00 | 95,00 | 12,50 | 5,00 | 109,00 |
| PDP/PDH | 121 | 115,00 | 100,00 | 12,50 | 5,00 | 114,00 |
| PDP/PDH | 122 | 120,00 | 105,00 | 12,50 | 5,00 | 119,00 |
| PDP/PDH | 123 | 125,00 | 102,00 | 16,00 | 6,50 | 124,00 |
| PDP/PDH | 124 | 125,00 | 110,00 | 12,50 | 6,50 | 124,00 |
| PDP/PDH | 125 | 130,00 | 107,00 | 16,00 | 6,50 | 129,00 |
| PDP/PDH | 126 | 130,00 | 115,00 | 12,50 | 6,50 | 129,00 |
| PDP/PDH | 127 | 135,00 | 112,00 | 16,00 | 6,50 | 134,00 |
| PDP/PDH | 128 | 140,00 | 117,00 | 16,00 | 6,50 | 139,00 |
| PDP/PDH | 129 | 140,00 | 125,00 | 12,50 | 6,50 | 139,00 |
| PDP/PDH | 130 | 145,00 | 122,00 | 16,00 | 6,50 | 144,00 |
| PDP/PDH | 131 | 150,00 | 127,00 | 16,00 | 6,50 | 149,00 |
| PDP/PDH | 131/1 | 150,00 | 135,00 | 12,50 | 6,50 | 149,00 |
| PDP/PDH | 132 | 160,00 | 137,00 | 16,00 | 6,50 | 159,00 |
| PDP/PDH | 133 | 160,00 | 145,00 | 12,50 | 6,50 | 159,00 |
| PDP/PDH | 134 | 165,00 | 142,00 | 16,00 | 6,50 | 164,00 |
| PDP/PDH | 134/1 | 170,00 | 147,00 | 16,00 | 6,50 | 169,00 |
| PDP/PDH | 134/2 | 170,00 | 155,00 | 12,50 | 6,50 | 169,00 |
| PDP/PDH | 135 | 180,00 | 157,00 | 16,00 | 6,50 | 179,00 |
| PDP/PDH | 136 | 180,00 | 165,00 | 12,50 | 6,50 | 179,00 |
| PDP/PDH | 136/1 | 190,00 | 167,00 | 16,00 | 6,50 | 189,00 |
| PDP/PDH | 137 | 190,00 | 175,00 | 12,50 | 6,50 | 189,00 |
| PDP/PDH | 137/1 | 200,00 | 177,00 | 16,00 | 6,50 | 198,80 |
| PDP/PDH | 138 | 200,00 | 180,00 | 16,00 | 6,50 | 198,80 |
| PDP/PDH | 138/1 | 220,00 | 200,00 | 16,00 | 8,00 | 218,80 |
| PDP/PDH | 138/2 | 225,00 | 202,00 | 16,00 | 8,00 | 223,80 |
| PDP/PDH | 139 | 230,00 | 210,00 | 16,00 | 8,00 | 228,80 |
| PDP/PDH | 140 | 250,00 | 230,00 | 16,00 | 8,00 | 248,80 |
| PDP/PDH | 141 | 260,00 | 240,00 | 16,00 | 8,00 | 258,80 |
| PDP/PDH | 142 | 280,00 | 260,00 | 16,00 | 8,00 | 278,80 |
| PDP/PDH | 143 | 290,00 | 270,00 | 16,00 | 8,00 | 288,80 |
| PDP/PDH | 144 | 300,00 | 280,00 | 16,00 | 8,00 | 298,80 |
| PDP/PDH | 145 | 320,00 | 295,00 | 20,00 | 8,00 | 318,80 |
| PDP/PDH | 146 | 400,00 | 375,00 | 20,00 | 8,00 | 398,80 |

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# TGU

**Juntas** de PISTÓN
**PISTON seals**

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| **Versión standar** | | ***Standard version*** | |
|---|---|---|---|
| Elemento de sellado | Caucho-tejido | *Sealing Ring* | *NBR/Cotton Fabric* |
| Anillo de presión | NBR | *Pressure Ring* | *NBR* |
| Anillo antiextrusión | POM | *Back up Ring* | *POM* |

| **Presión hasta / *Pressure up to*** |
|---|
| 70 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** |
|---|
| -30°C +110°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos | *Hydraulic Cylinders* |
| Prensas | *Presses* |
| Cilindros para aplicaciones medias y ligeras | *Light and medium applications* |

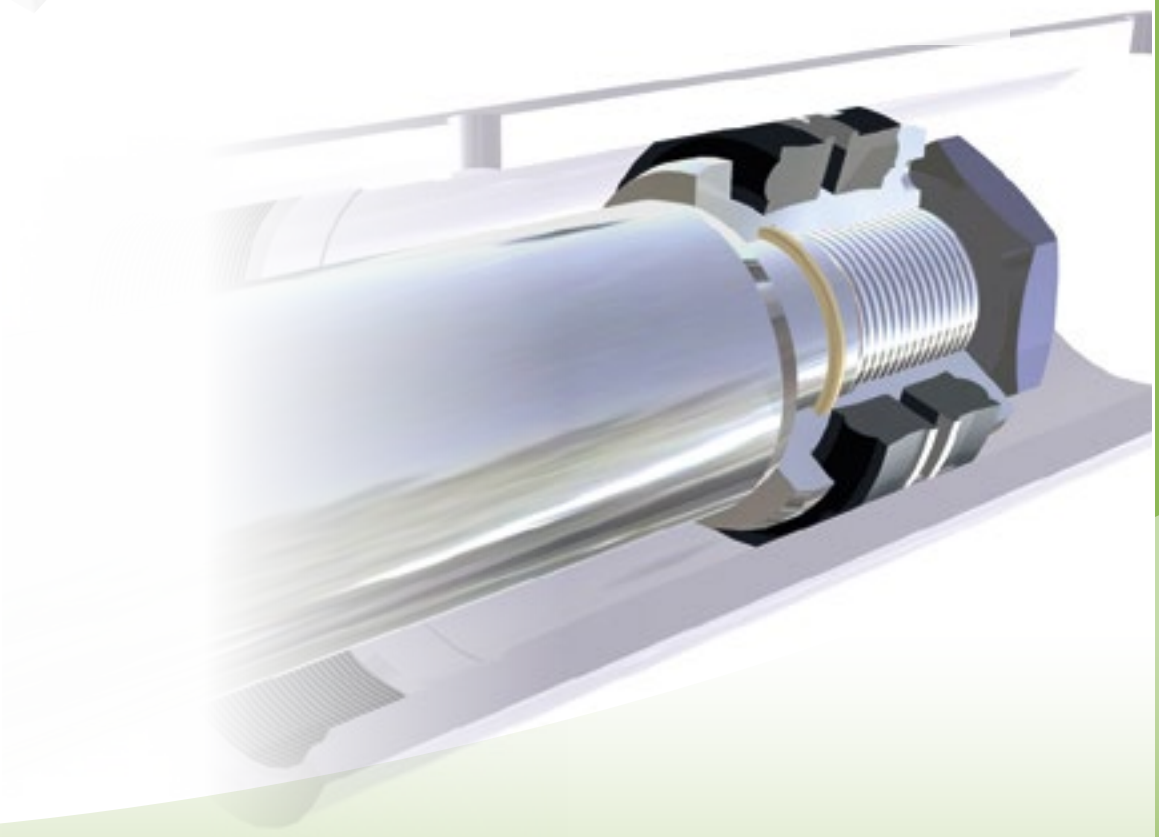


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TGU

150÷153

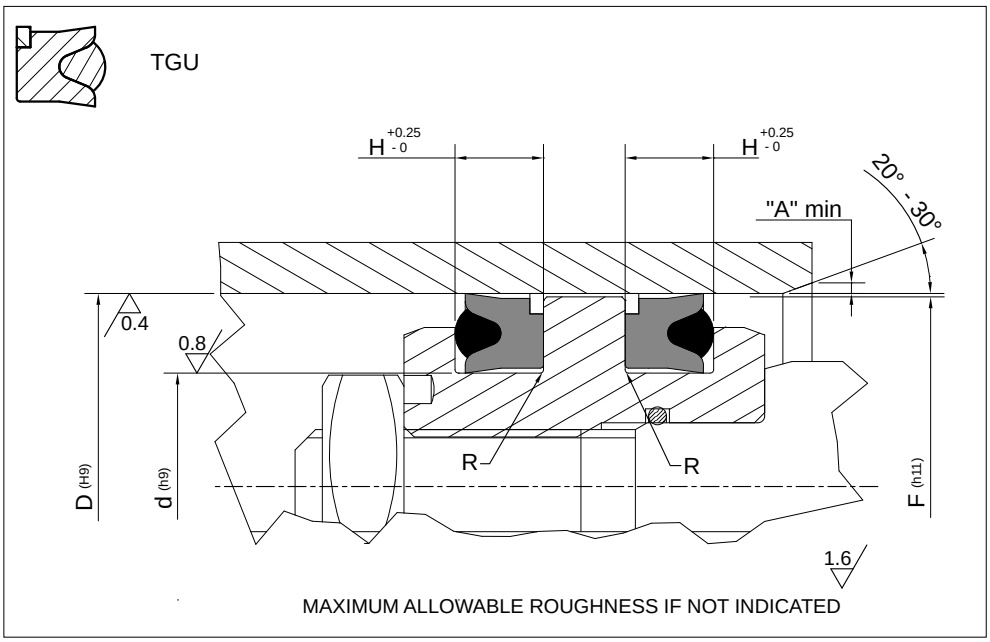
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TECNOTEX

Juntas de PISTÓN
PISTON seals

# TGU






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 100mm | | d > 100mm | |
| | max 0.40 mm | | max 0.80 mm | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | D | d | H | F |
| TGU 4000 | 094047 | 24,00 | 12,00 | 7,80 | 22,50 |
| TGU 4000/1 | 110062 | 28,00 | 16,00 | 7,80 | 26,50 |
| TGU 4000/2 | 118070 | 30,00 | 18,00 | 7,80 | 28,50 |
| TGU 4001 | 157098 | 40,00 | 25,00 | 10,00 | 38,50 |
| TGU 4001/1 | 177118 | 45,00 | 30,00 | 10,00 | 43,50 |
| TGU 4002 | 196137 | 50,00 | 35,00 | 10,00 | 48,50 |
| TGU 4002/2 | 200141 | 51,00 | 36,00 | 9,50 | 49,50 |
| **TGU 4002/1** | **216137** | 55,00 | 35,00 | 10,50 | 53,50 |
| **TGU 4003** | **216157** | 55,00 | 40,00 | 12,00 | 53,50 |
| **TGU 4003/1** | **224165** | 57,00 | 42,00 | 9,50 | 55,50 |
| **TGU 4004** | **236157** | 60,00 | 40,00 | 12,20 | 58,50 |
| **TGU 4004/1** | **236177** | 60,00 | 45,00 | 10,00 | 58,50 |
| **TGU 4005** | **248177** | 63,00 | 45,00 | 14,40 | 61,50 |
| **TGU 4006** | **244188** | 63,00 | 48,00 | 10,00 | 61,50 |
| **TGU 4007** | **255177** | 65,00 | 45,00 | 14,40 | 63,50 |
| **TGU 4007/1** | **275196/1** | 70,00 | 50,00 | 12,50 | 68,50 |
| **TGU 4008** | **275196** | 70,00 | 50,00 | 14,40 | 68,50 |
| **TGU 4009** | **295216** | 75,00 | 55,00 | 14,40 | 73,50 |
| **TGU 4009/1** | **299220** | 76,00 | 56,00 | 12,50 | 74,50 |
| **TGU 4010** | **314236** | 80,00 | 60,00 | 14,60 | 78,50 |
| **TGU 4010/1** | **314236/1** | 80,00 | 60,00 | 12,50 | 78,50 |
| **TGU 4011** | **334255** | 85,00 | 65,00 | 14,60 | 83,50 |
| **TGU 4012** | **354275** | 90,00 | 70,00 | 14,60 | 88,50 |
| **TGU 4013** | **374295** | 95,00 | 75,00 | 14,60 | 93,50 |
| **TGU 4013/1** | **393314/1** | 100,00 | 80,00 | 12,50 | 98,50 |
| **TGU 4014** | **393314** | 100,00 | 80,00 | 14,60 | 98,50 |
| **TGU 4015** | **413334** | 105,00 | 85,00 | 14,60 | 103,50 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de PISTÓN
PISTON seals

# TGU

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | D | d | H | F |
| TGU 4016 | 433354 | 110,00 | 90,00 | 14,60 | 108,50 |
| TGU 4017 | 452374 | 115,00 | 95,00 | 14,60 | 113,50 |
| TGU 4017/1 | 452354 | 115,00 | 90,00 | 14,60 | 113,50 |
| TGU 4018 | 472393 | 120,00 | 100,00 | 14,60 | 118,50 |
| TGU 4019 | 480401 | 122,00 | 102,00 | 14,60 | 120,50 |
| TGU 4020 | 492393 | 125,00 | 100,00 | 16,70 | 123,50 |
| TGU 4021 | 511413 | 130,00 | 105,00 | 16,70 | 128,50 |
| TGU 4021/1 | 511452 | 130,00 | 115,00 | 12,50 | 128,50 |
| TGU 4022 | 551452 | 140,00 | 115,00 | 16,70 | 138,50 |
| TGU 4022/1 | 551472 | 140,00 | 120,00 | 16,70 | 138,50 |
| TGU 4023 | 590472 | 150,00 | 120,00 | 18,80 | 148,50 |
| TGU 4024 | 590492 | 150,00 | 125,00 | 18,80 | 148,50 |
| TGU 4025 | 629511 | 160,00 | 130,00 | 18,80 | 158,50 |
| TGU 4025/1 | 649551 | 165,00 | 140,00 | 15,50 | 163,50 |
| TGU 4026 | 708590 | 180,00 | 150,00 | 19,80 | 178,50 |
| TGU 4027 | 748629 | 190,00 | 160,00 | 19,80 | 188,50 |
| TGU 4028 | 787669 | 200,00 | 170,00 | 19,80 | 198,50 |
| TGU 4029 | 787708 | 200,00 | 180,00 | 17,00 | 198,50 |
| TGU 4030 | 826708 | 210,00 | 180,00 | 19,80 | 208,50 |
| TGU 4031 | 866748 | 220,00 | 190,00 | 19,80 | 218,50 |
| TGU 4031/1 | 885767 | 225,00 | 195,00 | 19,80 | 223,50 |
| TGU 4032 | 905787 | 230,00 | 200,00 | 19,80 | 228,50 |
| TGU 4033 | 944826 | 240,00 | 210,00 | 19,80 | 238,50 |
| TGU 4034 | 984886 | 250,00 | 220,00 | 19,80 | 248,50 |
| TGU 4034/1 | 984886 | 250,00 | 220,00 | 35,00 | 248,50 |
| TGU 4035 | 1023905 | 260,00 | 230,00 | 19,80 | 258,50 |
| TGU 4036 | 1082964 | 275,00 | 245,00 | 19,80 | 273,50 |
| TGU 4037 | 1102984 | 280,00 | 250,00 | 19,80 | 278,50 |
| TGU 4038 | 11791062 | 300,00 | 270,00 | 19,80 | 298,50 |
| TGU 4039 | 12201102 | 310,00 | 280,00 | 19,80 | 308,50 |
| TGU 4039/1 | 12591141 | 320,00 | 290,00 | 19,80 | 318,50 |
| TGU 4040 | 13381220 | 340,00 | 310,00 | 19,80 | 338,50 |
| TGU 4040/2 | 14561338 | 370,00 | 340,00 | 19,80 | 368,50 |
| TGU 4040/1 | 16141456 | 410,00 | 370,00 | 25,00 | 408,50 |
| TGU 4041 | 16531496 | 420,00 | 380,00 | 19,80 | 418,50 |
| TGU 4042 | 17711614 | 450,00 | 410,00 | 35,00 | 448,50 |
| TGU 4042/1 | 18111653 | 460,00 | 420,00 | 19,80 | 458,50 |
| TGU 4043 | 21251968 | 540,00 | 500,00 | 24,50 | 538,50 |
| TGU 4044 | 22832125 | 580,00 | 540,00 | 45,00 | 578,50 |

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# TTD

**Juntas** de PISTÓN
**PISTON seals**

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| **Versión standar** | | ***Standard version*** | |
|---|---|---|---|
| Elemento de sellado<br>Anillo guía | Polyurethane<br>POM | *Sealing Ring*<br>*Guide Rings* | *Polyurethane*<br>*POM* |

| **Presión hasta / *Pressure up to*** |
|---|
| 20 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos<br>Cilindros para maquinaria agrícola | *Hydraulic Cylinders*<br>*Agricultural Cylinders* |

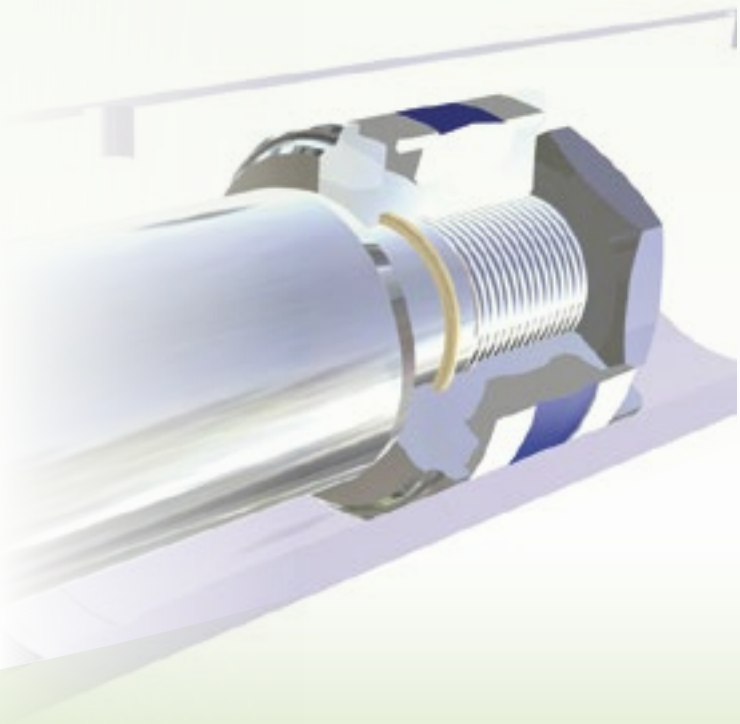


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TTD

154÷156

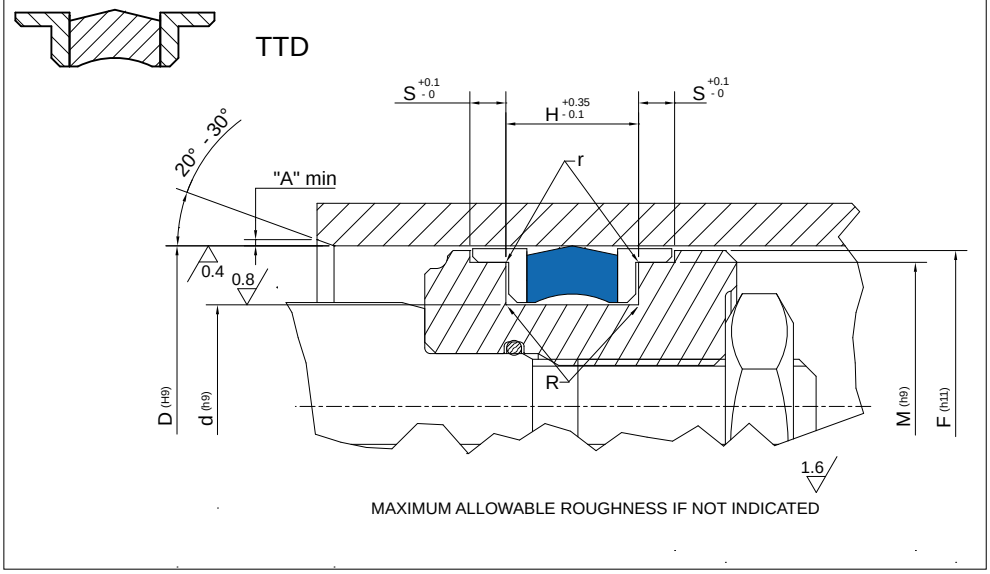
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Juntas de PISTÓN
PISTON seals

# TTD






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 100mm | | d > 100mm | |
| | max 0.40 mm | | max 0.80 mm | |
| r | remove sharp edges: r ≤ 0.3mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | F | M | H | S |
| TTD 25 | 25-17-10 | 25,00 | 17,00 | 24,00 | 22,00 | 10,00 | 4,00 |
| TTD 32 | 32-24-10 | 32,00 | 24,00 | 31,00 | 29,00 | 10,00 | 4,00 |
| TTD 40 | 40-32-10 | 40,00 | 32,00 | 39,00 | 37,00 | 10,00 | 4,00 |
| TTD 50 | 50-40-12,5 | 50,00 | 40,00 | 49,00 | 47,00 | 12,50 | 4,00 |
| TTD 60 | 60-50-12,5 | 60,00 | 50,00 | 59,00 | 57,00 | 12,50 | 4,00 |
| TTD 63 | 63-53-12,5 | 63,00 | 53,00 | 62,00 | 60,00 | 12,50 | 4,00 |
| TTD 70 | 70-60-12,5 | 70,00 | 60,00 | 69,00 | 67,00 | 12,50 | 4,00 |
| **TTD 80** | **80-70-12,5** | 80,00 | 70,00 | 79,00 | 77,00 | 12,50 | 4,00 |
| **TTD 90** | **90-80-12,5** | 90,00 | 80,00 | 88,50 | 86,00 | 12,50 | 5,00 |
| **TTD 100** | **100-90-12,5** | 100,00 | 90,00 | 98,50 | 96,00 | 12,50 | 5,00 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*


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# TTW

**Juntas** de PISTÓN
**PISTON seals**

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| **Versión standar** | | ***Standard version*** | |
|---|---|---|---|
| Elemento de sellado<br>Anillo guía | Polyurethane<br>POM | *Sealing Ring*<br>*Guide Rings* | *Polyurethane*<br>*POM* |

| **Presión hasta / *Pressure up to*** |
|---|
| 40 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos<br>Máquinas de movimiento de tierra | *Marine Cylinders*<br>*Earth moving machinery* |

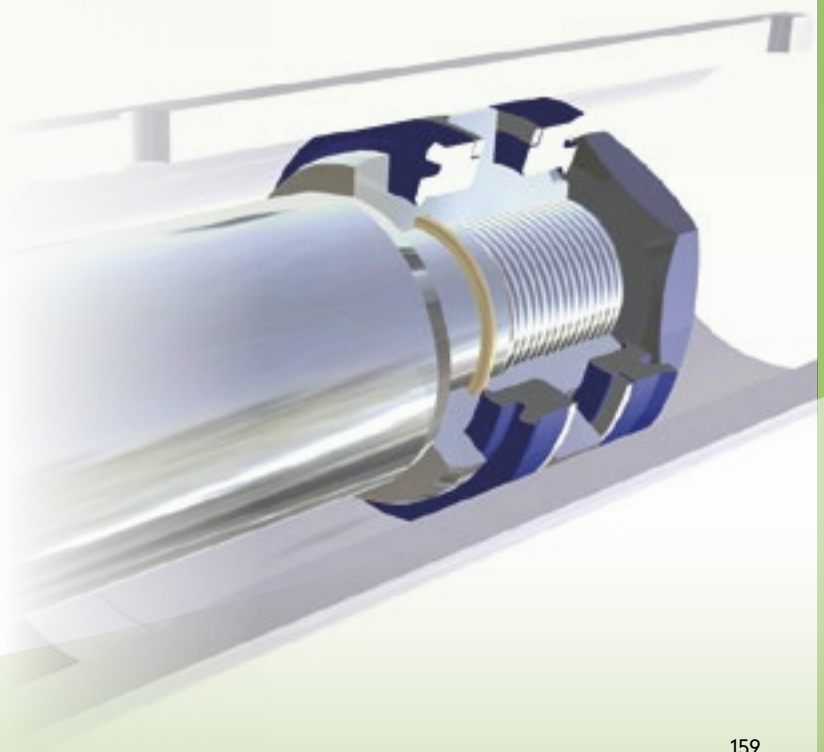


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TTW

158÷161

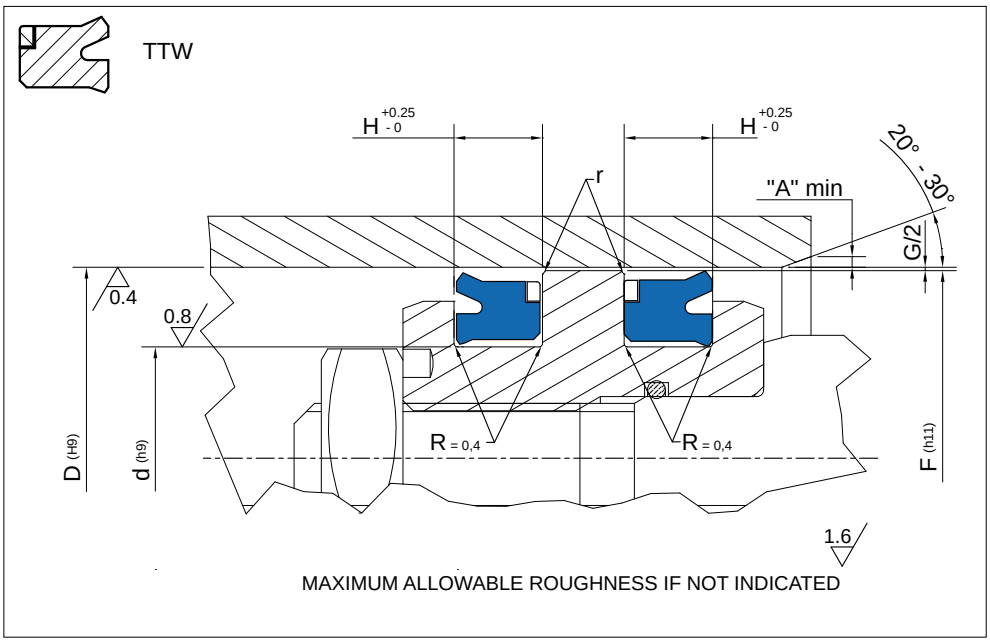
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Juntas de PISTÓN
PISTON seals

# TTW






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| | 0mm < d ≤ 50mm | 50mm < d ≤ 100mm | 100mm < d ≤ 150mm | d ≥ 150mm |
| r | remove sharp edges: r ≤ 0.3mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| Operating pressure to determinate Maximum Gap Allowance: G/2 | | | | | |
|---|---|---|---|---|---|
| | Profile Dimension | > 16 MPa | > 26 MPa | > 32 MPa | > 40 MPa |
| G | 7.5 | 0.80 mm | 0.70 mm | 0.50 mm | 0.50 mm |
| | > 7.5 | 1.05 mm | 0.90 mm | 0.85 mm | 0.80 mm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | D | d | H | F |
| TTW 50 | 50,00 | 35,00 | 9,50 | 45,00 |
| TTW 60 | 60,00 | 45,00 | 9,50 | 55,00 |
| TTW 63 | 63,00 | 48,00 | 9,50 | 58,00 |
| TTW 65 | 65,00 | 50,00 | 9,50 | 60,00 |
| TTW 70 | 70,00 | 50,00 | 13,00 | 64,00 |
| TTW 70/1 | 70,00 | 50,00 | 13,00 | 64,00 |
| TTW 80 | 80,00 | 60,00 | 12,50 | 74,00 |
| **TTW 80/1** | 80,00 | 60,00 | 13,00 | 74,00 |
| **TTW 80/2** | 80,00 | 65,00 | 9,50 | 75,00 |
| **TTW 90** | 90,00 | 70,00 | 12,50 | 84,00 |
| **TTW 90/1** | 90,00 | 70,00 | 13,00 | 84,00 |
| **TTW 100** | 100,00 | 80,00 | 12,50 | 94,00 |
| **TTW 100/1** | 100,00 | 80,00 | 13,00 | 94,00 |
| **TTW 100/2** | 100,00 | 85,00 | 9,50 | 95,00 |
| **TTW 110** | 110,00 | 90,00 | 12,50 | 104,00 |
| **TTW 115** | 115,00 | 95,00 | 13,00 | 109,00 |
| **TTW 120** | 120,00 | 105,00 | 9,50 | 115,00 |
| **TTW 125** | 125,00 | 100,00 | 15,50 | 117,00 |
| **TTW 125/1** | 125,00 | 105,00 | 12,50 | 119,00 |
| **TTW 140** | 140,00 | 120,00 | 12,50 | 134,00 |
| **TTW 150** | 150,00 | 130,00 | 12,50 | 144,00 |
| **TTW 160** | 160,00 | 130,00 | 19,00 | 150,00 |
| **TTW 160/1** | 160,00 | 140,00 | 12,50 | 154,00 |
| **TTW 170** | 170,00 | 150,00 | 12,50 | 164,00 |
| **TTW 180** | 180,00 | 160,00 | 12,50 | 174,00 |
| **TTW 200** | 200,00 | 170,00 | 20,00 | 190,00 |
| **TTW 200/1** | 200,00 | 175,00 | 16,00 | 193,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | D | d | H | F |
| **TTW 225** | 225,00 | 195,00 | 19,00 | 215,00 |
| **TTW 250** | 250,00 | 220,00 | 19,00 | 240,00 |
| **TTW 250/1** | 250,00 | 225,00 | 16,00 | 242,00 |
| **TTW 300** | 300,00 | 270,00 | 19,00 | 290,00 |

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# TRU

**Juntas** de PISTÓN
**PISTON seals**

TECNOTEX

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| Versión standar | *Standard version* |
|---|---|
| Caucho-tejido | *NBR/Cotton Fabric* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| Caucho-tejido FKM | *NBR/Cotton Fabric FKM* |

| **Presión hasta / *Pressure up to*** |
|---|
| 30 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -30°C +110°C | -20°C +200°C FKM |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos<br>Prensas<br>Cilindros para aplicaciones medias y ligeras | *Hydraulic Cylinders*<br>*Presses*<br>*Light and medium applications* |

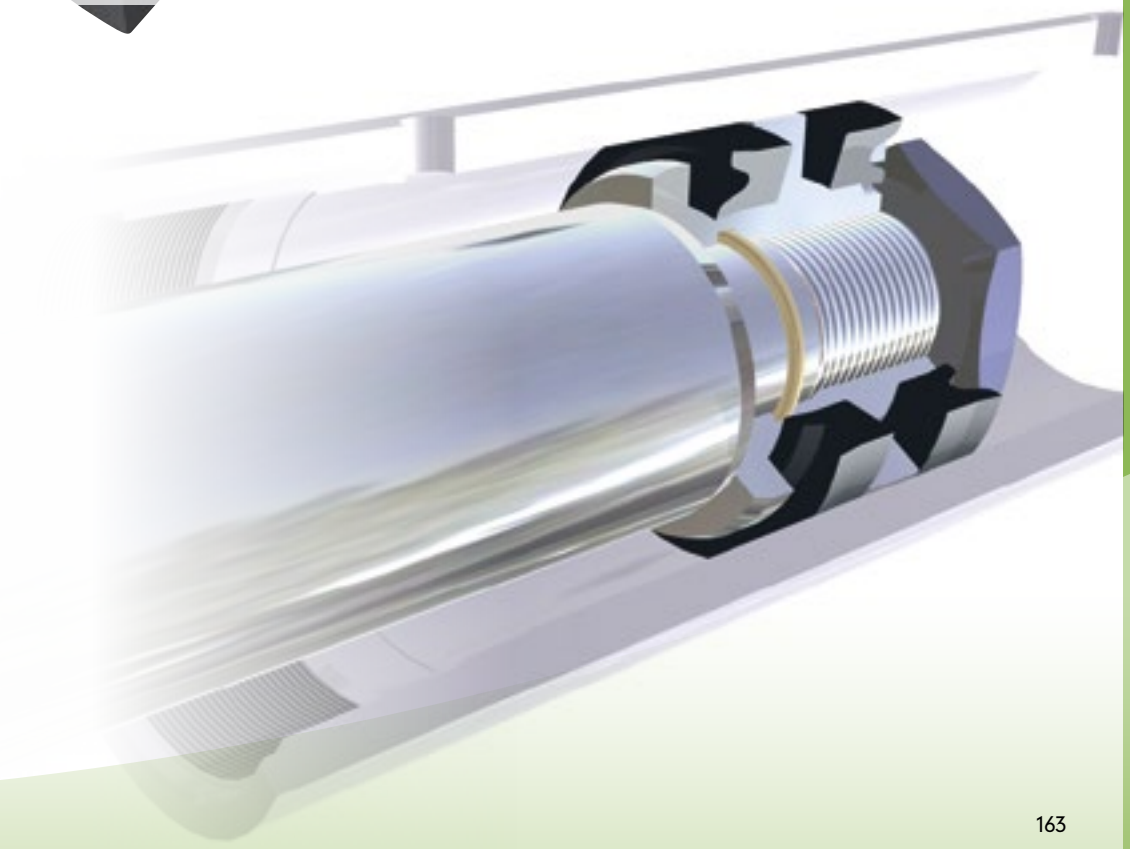


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TRU

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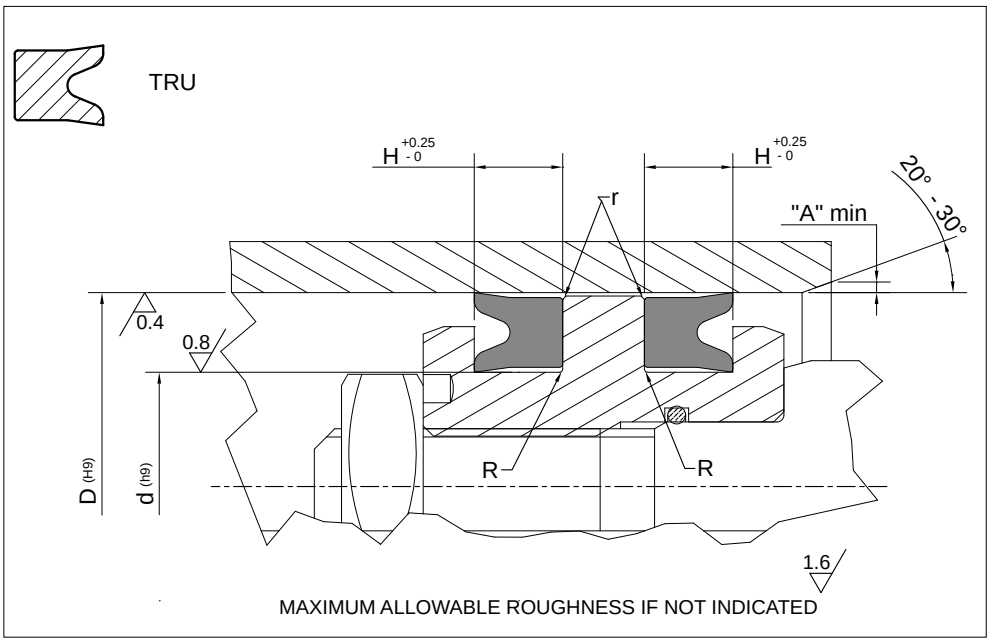
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TECNOTEX

Juntas de PISTÓN
PISTON seals

# TRU






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 100mm | | d > 100mm | |
| | max 0.40 mm | | max 0.80 mm | |
| r | remove sharp edges | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| TRU 3000 | 081043 | 20,63 | 11,11 | 7,00 |
| TRU 3000/1 | 110062 | 28,00 | 16,00 | 8,00 |
| TRU 3000/2 | 157078 | 40,00 | 20,00 | 10,00 |
| TRU 3000/4 | 165087 | 42,00 | 22,00 | 10,00 |
| TRU 3000/3 | 177118 | 45,00 | 30,00 | 13,00 |
| TRU 3000/5 | 181118 | 46,04 | 30,16 | 10,50 |
| TRU 3001 | 196118 | 50,00 | 30,00 | 12,50 |
| **TRU 3002** | **196137** | 50,00 | 35,00 | 10,00 |
| **TRU 3002/1** | **216157** | 55,00 | 40,00 | 10,00 |
| **TRU 3003** | **236157** | 60,00 | 40,00 | 12,50 |
| **TRU 3003/1** | **250187** | 63,50 | 47,63 | 10,50 |
| **TRU 3004** | **255177** | 65,00 | 45,00 | 12,50 |
| **TRU 3004/1** | **255196** | 65,00 | 50,00 | 10,00 |
| **TRU 3004/2** | **262187** | 66,67 | 47,63 | 10,00 |
| **TRU 3004/3** | **275200** | 69,85 | 50,80 | 12,00 |
| **TRU 3005** | **275196** | 70,00 | 50,00 | 12,50 |
| **TRU 3006** | **275216** | 70,00 | 55,00 | 10,00 |
| **TRU 3007** | **295216** | 75,00 | 55,00 | 12,50 |
| **TRU 3007/1** | **300237** | 76,20 | 60,20 | 10,00 |
| **TRU 3007/2** | **312237** | 79,38 | 60,33 | 12,00 |
| **TRU 3008** | **314236/A** | 80,00 | 60,00 | 12,50 |
| **TRU 3009** | **314236/B** | 80,00 | 60,00 | 12,50 |
| **TRU 3009/1** | **320253** | 81,26 | 64,20 | 11,00 |
| **TRU 3010** | **325250** | 82,55 | 63,50 | 12,00 |
| **TRU 3011** | **334216** | 85,00 | 55,00 | 14,80 |
| **TRU 3012** | **334255/A** | 85,00 | 65,00 | 12,50 |
| **TRU 3013** | **336262** | 85,33 | 66,67 | 12,00 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

Juntas de PISTÓN
PISTON seals

# TRU

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| TRU 3014 | 354275 | 90,00 | 70,00 | 12,50 |
| TRU 3015 | 374255 | 95,00 | 65,00 | 14,50 |
| TRU 3016 | 374295 | 95,00 | 75,00 | 12,50 |
| TRU 3016/1 | 375300 | 95,25 | 76,00 | 12,00 |
| TRU 3017 | 393295 | 100,00 | 75,00 | 12,50 |
| TRU 3018 | 393314 | 100,00 | 80,00 | 12,50 |
| TRU 3019 | 393314/A | 100,00 | 80,00 | 12,50 |
| TRU 3019/1 | 393334 | 100,00 | 76,20 | 10,00 |
| TRU 3019/2 | 413334 | 105,00 | 85,00 | 12,50 |
| TRU 3020 | 433314/1A | 110,00 | 80,00 | 17,50 |
| TRU 3021 | 433354 | 110,00 | 90,00 | 12,50 |
| TRU 3022 | 450350 | 114,30 | 88,90 | 15,00 |
| TRU 3023 | 452374 | 115,00 | 95,00 | 12,50 |
| TRU 3023/1 | 472374 | 120,00 | 95,00 | 14,50 |
| TRU 3024 | 472393 | 120,00 | 100,00 | 12,50 |
| TRU 3024/1 | 475375 | 120,65 | 95,25 | 15,00 |
| TRU 3025 | 492393 | 125,00 | 100,00 | 14,50 |
| TRU 3026 | 500400 | 127,00 | 101,60 | 15,00 |
| TRU 3026/1 | 511393 | 130,00 | 100,00 | 17,50 |
| TRU 3026/2 | 511433 | 130,00 | 110,00 | 17,50 |
| TRU 3026/3 | 525425 | 133,35 | 107,95 | 15,00 |
| TRU 3026/4 | 531433 | 135,00 | 110,00 | 14,50 |
| TRU 3027 | 551433 | 140,00 | 110,00 | 18,50 |
| TRU 3027/1 | 551452 | 140,00 | 115,00 | 16,00 |
| TRU 3028 | 551472 | 140,00 | 120,00 | 12,50 |
| TRU 3028/1 | 551488 | 140,00 | 124,00 | 10,00 |
| TRU 3028/2 | 571452 | 145,00 | 115,00 | 19,00 |
| TRU 3029 | 590472 | 150,00 | 120,00 | 17,50 |
| TRU 3030 | 600500/1 | 152,40 | 127,00 | 15,50 |
| TRU 3030/1 | 625525 | 158,75 | 133,35 | 16,00 |
| TRU 3031 | 629511 | 160,00 | 130,00 | 17,50 |
| TRU 3031/1 | 669551 | 170,00 | 140,00 | 17,50 |
| TRU 3031/2 | 700600 | 177,80 | 152,40 | 15,00 |
| TRU 3032 | 708590 | 180,00 | 150,00 | 17,50 |
| TRU 3033 | 748629 | 190,00 | 160,00 | 21,50 |
| TRU 3034 | 787629 | 200,00 | 160,00 | 26,50 |
| TRU 3034/1 | 800675 | 203,20 | 171,45 | 18,50 |
| TRU 3035 | 866748 | 220,00 | 190,00 | 22,50 |
| TRU 3036 | 905787 | 230,00 | 200,00 | 17,50 |
| TRU 3036/1 | 1067944 | 271,00 | 240,00 | 30,00 |
| TRU 3036/2 | 13461189 | 342,00 | 303,00 | 20,00 |
| TRU 3037 | 13771259 | 350,00 | 320,00 | 27,50 |
| TRU 3037/1 | 15551398 | 390,00 | 355,00 | 20,00 |
| TRU 3037/2 | 17321574 | 440,00 | 400,00 | 40,00 |
| TRU 3038 | 17711614 | 450,00 | 410,00 | 24,50 |
| TRU 3038/1 | 17711653 | 450,00 | 420,00 | 40,00 |
| TRU 3038/2 | 19291811 | 490,00 | 460,00 | 37,00 |
| TRU 3038/3 | 19681822 | 500,00 | 450,00 | 25,00 |
| TRU 3038/4 | 21261929 | 540,00 | 490,00 | 25,00 |
| TRU 3039 | 21251968 | 540,00 | 500,00 | 40,00 |
| TRU 3040 | 22832125 | 580,00 | 540,00 | 37,50 |



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# TTU

**Juntas** de PISTÓN
**PISTON seals**

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| Versión standar | *Standard version* |
|---|---|
| Poliuretano | *Polyurethane* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| Poliuretano Baja temperatura | *Low Temperature Polyurethane* |

| **Presión hasta / *Pressure up to*** |
|---|
| 40 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -35°C +100°C | -50°C +110°C PN 522 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos | *Hydraulic Cylinders* |
| Prensas | *Presses* |
| Cilindros para agricultura | *Agricultural Cylinders* |
| Prensas de inyección | *Injection mulding machines* |

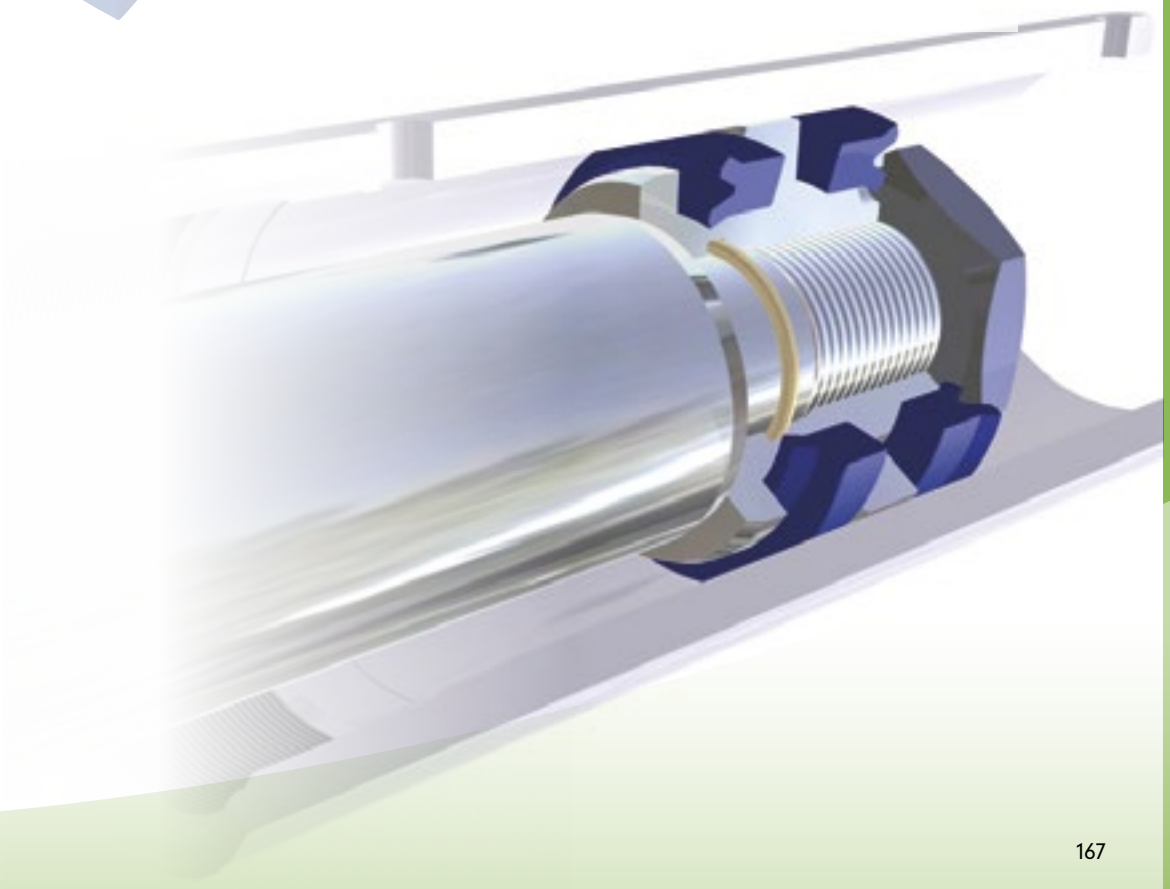


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TTU

166÷178

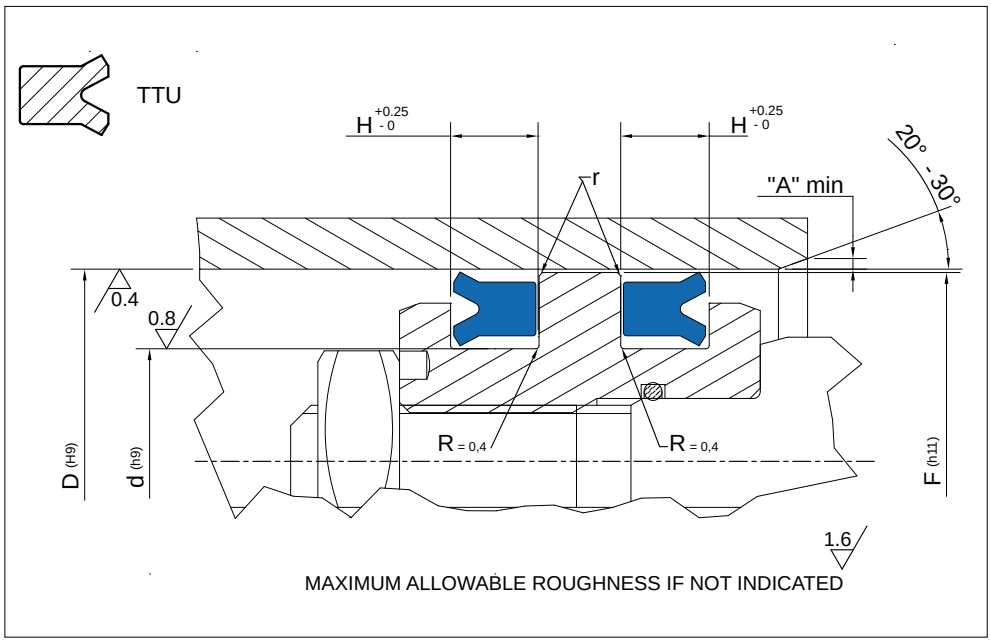
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Juntas de PISTÓN
PISTON seals

# TTU









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| | Piston Seal design guidelines | | | |
|---|---|---|---|---|
| | < d ≤ 100mm | | d ≥ 100mm | |
| r | remove sharp edges: r ≤ 0.3mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| G | Operating pressure to determinate Maximum Gap Allowance: G/2 | | | | |
|---|---|---|---|---|---|
| | Profile Dimension | > 16 MPa | > 26 MPa | > 32 MPa | > 40 MPa |
| | ≤ 5 | 0.50 mm | 0.40 mm | 0.35 mm | |
| | > 5.0 – 7.5 | 0.55 mm | 0.45 mm | 0.40 mm | 0.35 mm |
| | > 7.5 – 12.5 | 0.60 mm | 0.50 mm | 0.45 mm | 0.40 mm |
| | 15 | 0.65 mm | 0.55 mm | 0.45 mm | 0.40 mm |

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| **TTU 1601** | **3-9** | 9,00 | 3,00 | 5,00 |
| **TTU 1601/1** | **6-9** | 9,00 | 6,00 | 3,00 |
| **TTU 1601/2** | **6-9/1** | 9,00 | 6,00 | 2,50 |
| **TTU 1602** | **4-10/1** | 10,00 | 4,00 | 4,50 |
| **TTU 1603** | **4-10** | 10,00 | 4,00 | 5,00 |
| **TTU 1604** | **4,5-11** | 11,00 | 4,50 | 5,50 |
| **TTU 1604/1** | **4-12** | 12,00 | 4,00 | 5,20 |
| **TTU 1605** | **5-12/1** | 12,00 | 5,00 | 5,50 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| TTU 1606 | 5-12 | 12,00 | 5,00 | 6,30 |
| TTU 1607 | 5-12/2 | 12,00 | 5,00 | 6,50 |
| TTU 1607/1 | 5,5-12 | 12,00 | 5,50 | 8,50 |
| TTU 1608 | 6-12/1 | 12,00 | 6,00 | 4,50 |
| TTU 1609 | 6-12/2 | 12,00 | 6,00 | 6,00 |
| TTU 1610 | 6-12 | 12,00 | 6,00 | 6,50 |
| TTU 1611 | 8-12 | 12,00 | 8,00 | 3,50 |
| TTU 1612 | 4,5-12,5 | 12,50 | 4,50 | 5,00 |
| TTU 1613 | 5,0-12,7 | 12,70 | 5,00 | 9,00 |
| TTU 1614 | 6,0-12,7 | 12,70 | 6,00 | 6,50 |
| TTU 1615 | 7-14 | 14,00 | 7,00 | 4,20 |
| TTU 1616 | 8-14 | 14,00 | 8,00 | 7,00 |
| TTU 1616/1 | 7,0-14,5 | 14,50 | 7,00 | 3,80 |
| TTU 1617 | 6-15 | 15,00 | 6,00 | 9,00 |
| TTU 1618 | 7-15 | 15,00 | 7,00 | 8,00 |
| TTU 1619 | 8-15 | 15,00 | 8,00 | 6,30 |
| TTU 1620 | 8-15/1 | 15,00 | 8,00 | 9,00 |
| TTU 1621 | 9-15 | 15,00 | 9,00 | 9,00 |
| TTU 1621/1 | 8-16/A | 16,00 | 8,00 | 6,00 |
| TTU 1622 | 8-16 | 16,00 | 8,00 | 6,30 |
| TTU 1622/1 | 10-16/1 | 16,00 | 10,00 | 5,00 |
| TTU 1623 | 10-16 | 16,00 | 10,00 | 6,50 |
| TTU 1623/1 | 6,32-16,3 | 16,30 | 6,32 | 9,00 |
| TTU 1624 | 5-17 | 17,00 | 5,00 | 10,00 |
| TTU 1625 | 11-17 | 17,00 | 11,00 | 5,00 |
| TTU 1625/1 | 7,10-17,10 | 17,10 | 7,10 | 9,00 |
| TTU 1625/2 | 8-18/1 | 18,00 | 8,00 | 9,00 |
| TTU 1626 | 8-18 | 18,00 | 8,00 | 10,00 |
| TTU 1627 | 10-18/1 | 18,00 | 10,00 | 6,00 |
| TTU 1628 | 10-18/2 | 18,00 | 10,00 | 7,00 |
| TTU 1628/1 | 10-18/3 | 18,00 | 10,00 | 8,00 |
| TTU 1629 | 10-18 | 18,00 | 10,00 | 9,00 |
| TTU 1629/1 | 10-18/4 | 18,00 | 10,00 | 4,50 |
| TTU 1630 | 12-18/1 | 18,00 | 12,00 | 5,50 |
| TTU 1631 | 12-18 | 18,00 | 12,00 | 7,00 |
| TTU 1631/1 | 11,6-18,5 | 18,50 | 11,60 | 3,80 |
| TTU 1632 | 9-19 | 19,00 | 9,00 | 7,00 |
| TTU 1632/2 | 9-19/1 | 19,00 | 9,00 | 9,00 |
| TTU 1632/1 | 12,6-19,5 | 19,50 | 12,60 | 3,80 |
| TTU 1633 | 10-20 | 20,00 | 10,00 | 9,00 |
| TTU 1633/1 | 12-20/2 | 20,00 | 12,00 | 4,50 |
| TTU 1634 | 12-20/1 | 20,00 | 12,00 | 8,00 |
| TTU 1635 | 12-20 | 20,00 | 12,00 | 9,00 |
| TTU 1636 | 14-20 | 20,00 | 14,00 | 5,30 |
| TTU 1637 | 11,0-20,5 | 20,50 | 11,00 | 7,00 |
| TTU 1637/1 | 11,2-21,2 | 21,20 | 11,20 | 9,00 |
| TTU 1638 | 8-22 | 22,00 | 8,00 | 9,00 |
| TTU 1639 | 10-22 | 22,00 | 10,00 | 7,00 |
| TTU 1640 | 10-22/1 | 22,00 | 10,00 | 9,00 |
| TTU 1641 | 12-22/1 | 22,00 | 12,00 | 6,00 |
| TTU 1642 | 12-22 | 22,00 | 12,00 | 8,00 |
| TTU 1643 | 12-22/2 | 22,00 | 12,00 | 9,00 |

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Juntas de PISTÓN
PISTON seals

# TTU



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| **TTU 1644** | 14-22/3 | 22,00 | 14,00 | 5,00 |
| **TTU 1644/1** | 14-22/4 | 22,00 | 14,00 | 6,00 |
| **TTU 1645** | 14-22 | 22,00 | 14,00 | 7,00 |
| **TTU 1646** | 14-22/1 | 22,00 | 14,00 | 9,00 |
| **TTU 1647** | 14-22/2 | 22,00 | 14,00 | 12,00 |
| **TTU 1648** | 16-22/1 | 22,00 | 16,00 | 4,50 |
| **TTU 1649** | 16-22 | 22,00 | 16,00 | 5,00 |
| **TTU 1649/1** | 16-22 | 22,00 | 16,00 | 6,00 |
| **TTU 1649/2** | 12,5-22,5 | 22,50 | 12,50 | 9,00 |
| **TTU 1650** | 12-24 | 24,00 | 12,00 | 9,00 |
| **TTU 1651** | 12-24/1 | 24,00 | 12,00 | 10,00 |
| **TTU 1652** | 14-24 | 24,00 | 14,00 | 9,00 |
| **TTU 1652/1** | 16-24/2 | 24,00 | 16,00 | 4,50 |
| **TTU 1653** | 16-24/1 | 24,00 | 16,00 | 6,00 |
| **TTU 1654** | 16-24 | 24,00 | 16,00 | 10,00 |
| **TTU 1655** | 12-25 | 25,00 | 12,00 | 9,00 |
| **TTU 1656** | 12-25/1 | 25,00 | 12,00 | 11,00 |
| **TTU 1657** | 15-25 | 25,00 | 15,00 | 9,00 |
| **TTU 1658** | 17-25 | 25,00 | 17,00 | 11,00 |
| **TTU 1658/1** | 17-25/1 | 25,00 | 17,00 | 4,50 |
| TTU 1659 | 18-25/1 | 25,00 | 18,00 | 7,00 |
| TTU 1660 | 18-25 | 25,00 | 18,00 | 5,50 |
| TTU 1661 | 19-25 | 25,00 | 19,00 | 7,00 |
| TTU 1662 | 16-26 | 26,00 | 16,00 | 6,00 |
| TTU 1663 | 16-26/1 | 26,00 | 16,00 | 9,00 |
| TTU 1664 | 16-26/2 | 26,00 | 16,00 | 11,00 |
| TTU 1664/1 | 18-26/3 | 26,00 | 18,00 | 4,50 |
| TTU 1664/2 | 18-26/4 | 26,00 | 18,00 | 6,00 |
| TTU 1665 | 18-26/1 | 26,00 | 18,00 | 7,50 |
| TTU 1666 | 18-26/2 | 26,00 | 18,00 | 9,00 |
| TTU 1667 | 18-26 | 26,00 | 18,00 | 9,50 |
| TTU 1667/1 | 20-26 | 26,00 | 20,00 | 5,50 |
| **TTU 1667/2** | 20-26/1 | 26,00 | 20,00 | 4,00 |
| **TTU 1668** | 15-27 | 27,00 | 15,00 | 7,00 |
| **TTU 1669** | 15-28 | 28,00 | 15,00 | 11,00 |
| **TTU 1670** | 16-28 | 28,00 | 16,00 | 7,00 |
| **TTU 1671** | 18-28 | 28,00 | 18,00 | 9,00 |
| **TTU 1672** | 20-28 | 28,00 | 20,00 | 5,00 |
| **TTU 1672/1** | 20-28/2 | 28,00 | 20,00 | 6,00 |
| **TTU 1673** | 20-28/1 | 28,00 | 20,00 | 9,00 |
| **TTU 1674** | 22-28 | 28,00 | 22,00 | 9,00 |
| **TTU 1675** | 20-29 | 29,00 | 20,00 | 5,50 |
| **TTU 1676** | 18-30 | 30,00 | 18,00 | 9,00 |
| **TTU 1677** | 20-30 | 30,00 | 20,00 | 9,00 |
| **TTU 1678** | 20-30/1 | 30,00 | 20,00 | 11,00 |
| **TTU 1678/3** | 20-30/2 | 30,00 | 20,50 | 6,00 |
| **TTU 1678/1** | 22-30/2 | 30,00 | 22,00 | 4,50 |
| **TTU 1678/2** | 22-30/3 | 30,00 | 22,00 | 6,00 |
| **TTU 1679** | 22-30 | 30,00 | 22,00 | 7,00 |
| **TTU 1680** | 22-30/1 | 30,00 | 22,00 | 11,00 |
| **TTU 1680/4** | 22,4-30 | 30,00 | 22,40 | 6,00 |
| **TTU 1680/1** | 25-31 | 31,00 | 25,00 | 4,00 |

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Suministros Industriales y Servicios

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| TTU 1680/3 | 23,5-31,5 | 31,50 | 23,50 | 6,00 |
| TTU 1680/2 | 24-31,75 | 31,75 | 24,00 | 8,00 |
| TTU 1681 | 16-32 | 32,00 | 16,00 | 9,00 |
| TTU 1682 | 20-32 | 32,00 | 20,00 | 8,50 |
| TTU 1683 | 22-32 | 32,00 | 22,00 | 9,00 |
| TTU 1684 | 22-32/1 | 32,00 | 22,00 | 11,00 |
| TTU 1684/1 | 24-32/1 | 32,00 | 24,00 | 5,00 |
| TTU 1685 | 24-32 | 32,00 | 24,00 | 8,00 |
| TTU 1685/4 | 22,4-32,4 | 32,40 | 22,40 | 9,00 |
| TTU 1685/1 | 25-33 | 33,00 | 25,00 | 5,00 |
| TTU 1685/5 | 25-33/2 | 33,00 | 25,00 | 6,00 |
| TTU 1685/3 | 25-33/1 | 33,00 | 25,00 | 7,50 |
| TTU 1685/2 | 28-34 | 34,00 | 28,00 | 4,00 |
| TTU 1686 | 20-35 | 35,00 | 20,00 | 13,00 |
| TTU 1687 | 22-35 | 35,00 | 22,00 | 11,00 |
| TTU 1688 | 25-35 | 35,00 | 25,00 | 5,50 |
| TTU 1689 | 25-35/2 | 35,00 | 25,00 | 9,00 |
| TTU 1690 | 25-35/1 | 35,00 | 25,00 | 11,00 |
| TTU 1690/1 | 27-35 | 35,00 | 27,00 | 4,50 |
| TTU 1691 | 28-35 | 35,00 | 28,00 | 5,50 |
| TTU 1691/2 | 28-35,5 | 35,50 | 28,00 | 6,00 |
| TTU 1691/1 | 28-36/1 | 36,00 | 28,00 | 4,50 |
| TTU 1692 | 28-36 | 36,00 | 28,00 | 7,50 |
| TTU 1692/1 | 30-36 | 36,00 | 30,00 | 4,00 |
| TTU 1692/2 | 23,8-36,5 | 36,50 | 23,80 | 7,00 |
| TTU 1693 | 25-38 | 38,00 | 25,00 | 11,00 |
| TTU 1694 | 28-38 | 38,00 | 28,00 | 9,00 |
| TTU 1695 | 30-38 | 38,00 | 30,00 | 6,50 |
| TTU 1695/1 | 32-38 | 38,00 | 32,00 | 4,00 |
| TTU 1696 | 20-39 | 39,00 | 20,00 | 14,00 |
| TTU 1697 | 20-40 | 40,00 | 20,00 | 11,00 |
| TTU 1698 | 20-40/1 | 40,00 | 20,00 | 13,00 |
| TTU 1699 | 24-40 | 40,00 | 24,00 | 9,00 |
| TTU 1700 | 25-40 | 40,00 | 25,00 | 11,00 |
| TTU 1701 | 28-40 | 40,00 | 28,00 | 11,00 |
| TTU 1702 | 30-40/1 | 40,00 | 30,00 | 5,50 |
| TTU 1702/1 | 30-40/2 | 40,00 | 30,00 | 7,00 |
| TTU 1703 | 30-40 | 40,00 | 30,00 | 11,00 |
| TTU 1703/1 | 32-40/2 | 40,00 | 32,00 | 5,00 |
| TTU 1704 | 32-40 | 40,00 | 32,00 | 6,00 |
| TTU 1704/1 | 32-40/3 | 40,00 | 32,00 | 7,00 |
| TTU 1705 | 32-40/1 | 40,00 | 32,00 | 9,00 |
| TTU 1705/1 | 34-40 | 40,00 | 34,00 | 6,00 |
| TTU 1705/2 | 31,5-41,5 | 41,50 | 31,50 | 7,00 |
| TTU 1706 | 30-42/1 | 42,00 | 30,00 | 10,00 |
| TTU 1707 | 30-42 | 42,00 | 30,00 | 11,00 |
| TTU 1707/1 | 32-42/1 | 42,00 | 32,00 | 7,00 |
| TTU 1707/2 | 32-42/2 | 42,00 | 32,00 | 6,00 |
| TTU 1708 | 32-42 | 42,00 | 32,00 | 11,00 |
| TTU 1708/2 | 28-43 | 43,00 | 28,00 | 11,00 |
| TTU 1708/3 | 32-44 | 44,00 | 32,00 | 6,50 |
| TTU 1708/1 | 36-44 | 44,00 | 36,00 | 5,00 |

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Suministros Industriales y Servicios



TECNOLAN

Juntas de PISTÓN
PISTON seals

# TTU



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| **TTU 1709** | **30-45** | 45,00 | 30,00 | 11,00 |
| **TTU 1710** | **32-45** | 45,00 | 32,00 | 11,00 |
| **TTU 1711** | **34-45** | 45,00 | 34,00 | 8,00 |
| **TTU 1712** | **34-45/1** | 45,00 | 34,00 | 10,00 |
| **TTU 1712/1** | **35-45/2** | 45,00 | 35,00 | 7,00 |
| **TTU 1713** | **35-45/1** | 45,00 | 35,00 | 9,00 |
| **TTU 1714** | **35-45** | 45,00 | 35,00 | 11,00 |
| **TTU 1714/2** | **35,5-45** | 45,00 | 35,50 | 7,00 |
| **TTU 1714/1** | **37-45** | 45,00 | 37,00 | 5,00 |
| **TTU 1715** | **38-45** | 45,00 | 38,00 | 5,50 |
| **TTU 1716** | **36-46** | 46,00 | 36,00 | 8,00 |
| **TTU 1716/1** | **36-46** | 46,00 | 36,00 | 7,00 |
| **TTU 1717** | **38-46** | 46,00 | 38,00 | 7,50 |
| **TTU 1717/1** | **31,5-46,5** | 46,50 | 31,50 | 11,00 |
| **TTU 1718** | **35-48** | 48,00 | 35,00 | 11,00 |
| **TTU 1718/1** | **38-48** | 48,00 | 38,00 | 7,00 |
| **TTU 1719** | **40-48/1** | 48,00 | 40,00 | 9,00 |
| **TTU 1720** | **40-48** | 48,00 | 40,00 | 12,00 |
| **TTU 1721** | **30-50/1** | 50,00 | 30,00 | 11,00 |
| **TTU 1722** | **30-50** | 50,00 | 30,00 | 13,00 |
| **TTU 1723** | **32-50** | 50,00 | 32,00 | 13,00 |
| **TTU 1724** | **34-50** | 50,00 | 34,00 | 15,00 |
| **TTU 1725** | **35-50** | 50,00 | 35,00 | 11,00 |
| **TTU 1726** | **38-50** | 50,00 | 38,00 | 10,00 |
| **TTU 1726/1** | **40-50/3** | 50,00 | 40,00 | 6,00 |
| **TTU 1726/2** | **40-50/4** | 50,00 | 40,00 | 7,00 |
| **TTU 1727** | **40-50/1** | 50,00 | 40,00 | 7,50 |
| **TTU 1728** | **40-50/2** | 50,00 | 40,00 | 9,00 |
| **TTU 1729** | **40-50** | 50,00 | 40,00 | 11,00 |
| **TTU 1730** | **42-50** | 50,00 | 42,00 | 9,00 |
| **TTU 1730/1** | **35,5-50,5** | 50,50 | 35,50 | 11,00 |
| **TTU 1730/2** | **42-52/1** | 52,00 | 42,00 | 7,00 |
| **TTU 1731** | **42-52** | 52,00 | 42,00 | 10,00 |
| **TTU 1731/1** | **38,10-53,97** | 53,97 | 38,10 | 11,00 |
| **TTU 1732** | **35-55/1** | 55,00 | 35,00 | 11,00 |
| **TTU 1733** | **35-55** | 55,00 | 35,00 | 13,00 |
| **TTU 1734** | **38-55** | 55,00 | 38,00 | 11,00 |
| **TTU 1735** | **40-55** | 55,00 | 40,00 | 11,00 |
| **TTU 1736** | **45-55/1** | 55,00 | 45,00 | 7,50 |
| **TTU 1736/1** | **45-55/2** | 55,00 | 45,00 | 6,00 |
| **TTU 1736/2** | **45-55/3** | 55,00 | 45,00 | 7,00 |
| **TTU 1737** | **45-55** | 55,00 | 45,00 | 11,00 |
| **TTU 1737/1** | **45-56** | 56,00 | 45,00 | 8,00 |
| **TTU 1738** | **40-56** | 56,00 | 40,00 | 11,00 |
| **TTU 1739** | **38-58** | 58,00 | 38,00 | 11,00 |
| **TTU 1739/1** | **46-58** | 58,00 | 46,00 | 6,50 |
| **TTU 1740** | **48-58** | 58,00 | 48,00 | 11,00 |
| **TTU 1741** | **40-60/1** | 60,00 | 40,00 | 11,00 |
| **TTU 1742** | **40-60** | 60,00 | 40,00 | 14,00 |
| **TTU 1743** | **40-60/2** | 60,00 | 40,00 | 19,00 |
| **TTU 1744** | **45-60** | 60,00 | 45,00 | 11,00 |
| **TTU 1744/1** | **50-60/3** | 60,00 | 50,00 | 6,00 |

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Suministros Industriales y Servicios

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| TTU 1744/2 | 50-60/4 | 60,00 | 50,00 | 7,00 |
| TTU 1745 | 50-60/2 | 60,00 | 50,00 | 8,00 |
| TTU 1746 | 50-60 | 60,00 | 50,00 | 11,00 |
| TTU 1747 | 50-60/1 | 60,00 | 50,00 | 12,00 |
| TTU 1748 | 42-62 | 62,00 | 42,00 | 13,00 |
| TTU 1749 | 50-62 | 62,00 | 50,00 | 10,00 |
| TTU 1750 | 52-62 | 62,00 | 52,00 | 13,00 |
| TTU 1751 | 45-63 | 63,00 | 45,00 | 11,00 |
| TTU 1751/1 | 48-63 | 63,00 | 48,00 | 11,00 |
| TTU 1752 | 50-63 | 63,00 | 50,00 | 7,00 |
| TTU 1752/1 | 53-63/1 | 63,00 | 53,00 | 6,00 |
| TTU 1752/2 | 53-63/2 | 63,00 | 53,00 | 7,00 |
| TTU 1753 | 53-63 | 63,00 | 53,00 | 7,50 |
| TTU 1754 | 40-65 | 65,00 | 40,00 | 13,00 |
| TTU 1755 | 45-65 | 65,00 | 45,00 | 11,00 |
| TTU 1756 | 45-65/1 | 65,00 | 45,00 | 13,00 |
| TTU 1757 | 50-65 | 65,00 | 50,00 | 11,00 |
| TTU 1757/1 | 55-65/2 | 65,00 | 55,00 | 6,00 |
| TTU 1757/2 | 55-65/3 | 65,00 | 55,00 | 7,00 |
| TTU 1758 | 55-65/1 | 65,00 | 55,00 | 11,00 |
| TTU 1759 | 55-65 | 65,00 | 55,00 | 13,00 |
| TTU 1759/1 | 56-66 | 66,00 | 56,00 | 6,00 |
| TTU 1759/2 | 56-66/1 | 66,00 | 56,00 | 7,00 |
| TTU 1759/3 | 58-68 | 68,00 | 58,00 | 7,00 |
| TTU 1760 | 36-70 | 70,00 | 36,00 | 11,00 |
| TTU 1761 | 40-70 | 70,00 | 40,00 | 16,00 |
| TTU 1762 | 50-70 | 70,00 | 50,00 | 11,00 |
| TTU 1763 | 50-70/1 | 70,00 | 50,00 | 13,00 |
| TTU 1764 | 50-70/2 | 70,00 | 50,00 | 19,00 |
| TTU 1764/1 | 53-70 | 70,00 | 53,00 | 7,00 |
| TTU 1765 | 55-70 | 70,00 | 55,00 | 13,00 |
| TTU 1765/1 | 70-60 | 70,00 | 60,00 | 6,00 |
| TTU 1765/2 | 70-60/3 | 70,00 | 60,00 | 7,00 |
| TTU 1766 | 60-70/1 | 70,00 | 60,00 | 9,00 |
| TTU 1767 | 60-70/2 | 70,00 | 60,00 | 11,00 |
| TTU 1768 | 60-70 | 70,00 | 60,00 | 13,00 |
| TTU 1768/2 | 70-54 | 70,00 | 54,00 | 9,50 |
| TTU 1768/3 | 70,8-53,5 | 70,80 | 53,50 | 9,00 |
| TTU 1768/4 | 60-71 | 71,00 | 60,00 | 8,00 |
| TTU 1768/6 | 53-73 | 73,00 | 53,00 | 13,00 |
| TTU 1768/1 | 63-73 | 73,00 | 63,00 | 5,50 |
| TTU 1768/5 | 63-73/1 | 73,00 | 63,00 | 7,00 |
| TTU 1769 | 40-75 | 75,00 | 40,00 | 11,00 |
| TTU 1770 | 55-75 | 75,00 | 55,00 | 13,00 |
| TTU 1771 | 60-75/1 | 75,00 | 60,00 | 11,00 |
| TTU 1772 | 60-75 | 75,00 | 60,00 | 13,00 |
| TTU 1773 | 63-75 | 75,00 | 63,00 | 11,00 |
| TTU 1773/2 | 65-75/2 | 75,00 | 65,00 | 5,50 |
| TTU 1773/1 | 65-75/1 | 75,00 | 65,00 | 7,00 |
| TTU 1774 | 65-75 | 75,00 | 65,00 | 13,00 |
| TTU 1774/1 | 56-76 | 76,00 | 56,00 | 13,00 |
| TTU 1775 | 66-76 | 76,00 | 66,00 | 9,00 |

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Suministros Industriales y Servicios



TECNOLAN

Juntas de PISTÓN
PISTON seals

# TTU



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| **TTU 1775/2** | **66-76** | 76,00 | 66,00 | 7,00 |
| **TTU 1775/1** | **67-77/2** | 77,00 | 67,00 | 7,00 |
| **TTU 1776** | **67-77/1** | 77,00 | 67,00 | 11,00 |
| **TTU 1777** | **67-77** | 77,00 | 67,00 | 13,00 |
| **TTU 1778** | **63-78** | 78,00 | 63,00 | 11,00 |
| **TTU 1779** | **55-80** | 80,00 | 55,00 | 13,00 |
| **TTU 1780** | **60-80** | 80,00 | 60,00 | 11,00 |
| **TTU 1781** | **60-80/1** | 80,00 | 60,00 | 13,00 |
| **TTU 1782** | **60-80/3** | 80,00 | 60,00 | 14,50 |
| **TTU 1783** | **60-80/2** | 80,00 | 60,00 | 19,00 |
| **TTU 1784** | **65-80/1** | 80,00 | 65,00 | 12,00 |
| **TTU 1785** | **65-80** | 80,00 | 65,00 | 13,00 |
| **TTU 1786** | **66-80** | 80,00 | 66,00 | 11,00 |
| **TTU 1787** | **66-80/1** | 80,00 | 66,00 | 14,00 |
| **TTU 1788** | **70-80/3** | 80,00 | 70,00 | 6,00 |
| **TTU 1788/1** | **70-80/4** | 80,00 | 70,00 | 7,00 |
| **TTU 1789** | **70-80/1** | 80,00 | 70,00 | 9,00 |
| **TTU 1790** | **70-80/2** | 80,00 | 70,00 | 11,00 |
| **TTU 1791** | **70-80** | 80,00 | 70,00 | 13,00 |
| **TTU 1791/1** | **71-80** | 80,00 | 71,00 | 7,00 |
| **TTU 1792** | **63-83** | 83,00 | 63,00 | 16,00 |
| **TTU 1792/1** | **63-83/1** | 83,00 | 63,00 | 13,00 |
| **TTU 1793** | **60-85** | 85,00 | 60,00 | 13,50 |
| **TTU 1794** | **65-85/1** | 85,00 | 65,00 | 11,00 |
| **TTU 1795** | **65-85** | 85,00 | 65,00 | 13,00 |
| **TTU 1796** | **70-85** | 85,00 | 70,00 | 13,00 |
| **TTU 1796/1** | **75-85/1** | 85,00 | 75,00 | 7,00 |
| **TTU 1797** | **75-85** | 85,00 | 75,00 | 13,00 |
| **TTU 1797/1** | **67-87** | 87,00 | 67,00 | 13,00 |
| **TTU 1798** | **88-96** | 96,00 | 88,00 | 16,00 |
| **TTU 1799** | **70-90** | 90,00 | 70,00 | 13,00 |
| **TTU 1800** | **70-90/2** | 90,00 | 70,00 | 14,50 |
| **TTU 1801** | **70-90/1** | 90,00 | 70,00 | 19,00 |
| **TTU 1802** | **75-90** | 90,00 | 75,00 | 8,50 |
| **TTU 1803** | **75-90/2** | 90,00 | 75,00 | 11,00 |
| **TTU 1804** | **75-90/1** | 90,00 | 75,00 | 13,00 |
| **TTU 1804/1** | **80-90/2** | 90,00 | 80,00 | 6,00 |
| **TTU 1804/2** | **80-90/3** | 90,00 | 80,00 | 7,00 |
| **TTU 1805** | **80-90** | 90,00 | 80,00 | 11,00 |
| **TTU 1806** | **80-90/1** | 90,00 | 80,00 | 13,00 |
| **TTU 1806/1** | **71-91** | 91,00 | 71,00 | 13,00 |
| **TTU 1807** | **82-92** | 92,00 | 82,00 | 11,00 |
| **TTU 1808** | **78-93** | 93,00 | 78,00 | 11,50 |
| **TTU 1809** | **84,5-94,0** | 94,00 | 84,50 | 8,80 |
| **TTU 1810** | **70-95** | 95,00 | 70,00 | 13,00 |
| **TTU 1811** | **75-95** | 95,00 | 75,00 | 13,00 |
| **TTU 1811/1** | **75-95/1** | 95,00 | 75,00 | 14,50 |
| **TTU 1812** | **80-95** | 95,00 | 80,00 | 13,00 |
| **TTU 1813** | **85-95** | 95,00 | 85,00 | 9,50 |
| **TTU 1814** | **85-95/1** | 95,00 | 85,00 | 13,00 |
| **TTU 1815** | **88-96** | 96,00 | 88,00 | 9,00 |
| **TTU 1816** | **80-100** | 100,00 | 80,00 | 11,00 |

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Suministros Industriales y Servicios

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| TTU 1817 | 80-100/1 | 100,00 | 80,00 | 13,00 |
| TTU 1818 | 80-100/2 | 100,00 | 80,00 | 14,50 |
| TTU 1818/1 | 85-100/2 | 100,00 | 85,00 | 10,00 |
| TTU 1819 | 85-100/1 | 100,00 | 85,00 | 12,00 |
| TTU 1820 | 85-100 | 100,00 | 85,00 | 13,00 |
| TTU 1820/1 | 90-100/3 | 100,00 | 90,00 | 6,00 |
| TTU 1821 | 90-100/2 | 100,00 | 90,00 | 8,00 |
| TTU 1822 | 90-100 | 100,00 | 90,00 | 9,00 |
| TTU 1823 | 90-100/1 | 100,00 | 90,00 | 13,00 |
| TTU 1823/1 | 90-102 | 102,00 | 90,00 | 10,00 |
| TTU 1824 | 85-105 | 105,00 | 85,00 | 13,00 |
| TTU 1825 | 90-105 | 105,00 | 90,00 | 13,00 |
| TTU 1825/2 | 90-105/1 | 105,00 | 90,00 | 10,00 |
| TTU 1825/1 | 90-110/3 | 110,00 | 90,00 | 11,00 |
| TTU 1826 | 90-110 | 110,00 | 90,00 | 13,00 |
| TTU 1827 | 90-110/1 | 110,00 | 90,00 | 19,00 |
| TTU 1827/1 | 90-110/2 | 110,00 | 90,00 | 14,00 |
| TTU 1828 | 95-110 | 110,00 | 95,00 | 13,00 |
| TTU 1829 | 95-110/1 | 110,00 | 95,00 | 16,00 |
| TTU 1829/1 | 100-110 | 110,00 | 100,00 | 6,00 |
| TTU 1830 | 95-112 | 112,00 | 95,00 | 12,00 |
| TTU 1830/2 | 98-112 | 112,00 | 98,00 | 10,00 |
| TTU 1830/1 | 101,6-114,3 | 114,00 | 101,60 | 7,00 |
| TTU 1831 | 85-115 | 115,00 | 85,00 | 16,00 |
| TTU 1832 | 90-115/1 | 115,00 | 90,00 | 16,00 |
| TTU 1833 | 90-115 | 115,00 | 90,00 | 23,00 |
| TTU 1834 | 95-115 | 115,00 | 95,00 | 13,00 |
| TTU 1835 | 95-115/1 | 115,00 | 95,00 | 19,00 |
| TTU 1836 | 100-115 | 115,00 | 100,00 | 13,00 |
| TTU 1836/1 | 100-115/1 | 115,00 | 100,00 | 16,00 |
| TTU 1837 | 100-120 | 120,00 | 100,00 | 13,00 |
| TTU 1838 | 100-120/1 | 120,00 | 100,00 | 14,50 |
| TTU 1838/1 | 100-120/2 | 120,00 | 100,00 | 11,00 |
| TTU 1839 | 105-120 | 120,00 | 105,00 | 9,00 |
| TTU 1839/1 | 105-120/2 | 120,00 | 105,00 | 10,00 |
| TTU 1840 | 105-120/1 | 120,00 | 105,00 | 16,00 |
| TTU 1841 | 106-120 | 120,00 | 106,00 | 9,50 |
| TTU 1842 | 100-125 | 125,00 | 100,00 | 13,00 |
| TTU 1843 | 100-125/2 | 125,00 | 100,00 | 16,00 |
| TTU 1843/1 | 105-125/3 | 125,00 | 105,00 | 11,00 |
| TTU 1844 | 105-125/1 | 125,00 | 105,00 | 13,00 |
| TTU 1845 | 105-125 | 125,00 | 105,00 | 15,00 |
| TTU 1845/1 | 105-125/2 | 125,00 | 105,00 | 16,00 |
| TTU 1845/2 | 105-125/3 | 125,00 | 105,00 | 17,00 |
| TTU 1846 | 110-125 | 125,00 | 110,00 | 13,00 |
| TTU 1847 | 110-125/1 | 125,00 | 110,00 | 16,00 |
| TTU 1847/2 | 110-125/2 | 125,00 | 110,00 | 10,00 |
| TTU 1847/1 | 112-125 | 125,00 | 112,00 | 10,00 |
| TTU 1848 | 113-125 | 125,00 | 113,00 | 10,50 |
| TTU 1848/1 | 116-126 | 126,00 | 116,00 | 17,00 |
| TTU 1849 | 115-126 | 126,00 | 115,00 | 16,00 |
| TTU 1849/1 | 114,3-127,0 | 127,00 | 114,30 | 7,00 |



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Suministros Industriales y Servicios

TECNOLAN

Juntas de PISTÓN
PISTON seals

# TTU



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| **TTU 1849/2** | 114,3-127/1 | 127,00 | 114,30 | 10,50 |
| **TTU 1850** | 100-130 | 130,00 | 100,00 | 13,00 |
| **TTU 1850/1** | 110-130/2 | 130,00 | 110,00 | 11,00 |
| **TTU 1851** | 110-130 | 130,00 | 110,00 | 16,00 |
| **TTU 1852** | 110-130/1 | 130,00 | 110,00 | 19,00 |
| **TTU 1852/2** | 110-130/3 | 130,00 | 110,00 | 17,00 |
| **TTU 1852/3** | 115-130 | 130,00 | 115,00 | 10,00 |
| **TTU 1852/1** | 120-130/1 | 130,00 | 120,00 | 6,00 |
| **TTU 1853** | 120-130 | 130,00 | 120,00 | 15,00 |
| **TTU 1853/1** | 112-132 | 132,00 | 112,00 | 17,00 |
| **TTU 1854** | 115-135 | 135,00 | 115,00 | 16,00 |
| **TTU 1855** | 120-135 | 135,00 | 120,00 | 16,00 |
| **TTU 1855/2** | 120-135/1 | 135,00 | 120,00 | 10,00 |
| **TTU 1855/1** | 118-138 | 138,00 | 118,00 | 17,00 |
| **TTU 1856** | 115-140/1 | 140,00 | 115,00 | 16,00 |
| **TTU 1857** | 115-140 | 140,00 | 115,00 | 23,00 |
| **TTU 1857/1** | 120-140/1 | 140,00 | 120,00 | 11,00 |
| **TTU 1858** | 120-140 | 140,00 | 120,00 | 16,00 |
| **TTU 1858/3** | 120-140/2 | 140,00 | 120,00 | 17,00 |
| **TTU 1858/1** | 125-140/2 | 140,00 | 125,00 | 8,00 |
| **TTU 1858/2** | 125-140/3 | 140,00 | 125,00 | 10,00 |
| **TTU 1859** | 125-140 | 140,00 | 125,00 | 12,00 |
| **TTU 1859/1** | 125-140 | 140,00 | 125,00 | 13,00 |
| **TTU 1860** | 125-140/1 | 140,00 | 125,00 | 16,00 |
| **TTU 1860/1** | 125-145/2 | 145,00 | 125,00 | 11,00 |
| **TTU 1861** | 125-145 | 145,00 | 125,00 | 16,00 |
| **TTU 1861/1** | 125-145/3 | 145,00 | 125,00 | 17,00 |
| **TTU 1862** | 125-145/1 | 145,00 | 125,00 | 19,00 |
| **TTU 1862/1** | 130-145 | 145,00 | 130,00 | 12,00 |
| **TTU 1863** | 130-150 | 150,00 | 130,00 | 16,00 |
| **TTU 1863/1** | 130-150 | 150,00 | 130,00 | 13,00 |
| **TTU 1863/2** | 130-150/1 | 150,00 | 130,00 | 17,00 |
| **TTU 1864** | 135-150 | 150,00 | 135,00 | 16,00 |
| **TTU 1864/2** | 136-150 | 150,00 | 136,00 | 10,00 |
| **TTU 1864/1** | 140-150 | 150,00 | 140,00 | 6,00 |
| **TTU 1865** | 125-155 | 155,00 | 125,00 | 16,00 |
| **TTU 1866** | 135-155 | 155,00 | 135,00 | 16,00 |
| **TTU 1866/1** | 140-155 | 155,00 | 140,00 | 10,00 |
| **TTU 1867** | 140-155/AI | 155,00 | 140,00 | 16,00 |
| **TTU 1868** | 135-160 | 160,00 | 135,00 | 16,00 |
| **TTU 1868/1** | 140-160/2 | 160,00 | 140,00 | 11,00 |
| **TTU 1869** | 140-160/1 | 160,00 | 140,00 | 13,00 |
| **TTU 1869/1** | 140-160 | 160,00 | 140,00 | 16,00 |
| **TTU 1869/4** | 140-160/3 | 160,00 | 140,00 | 17,00 |
| **TTU 1869/2** | 145-160 | 160,00 | 145,00 | 10,00 |
| **TTU 1869/3** | 148-160 | 160,00 | 148,00 | 10,50 |
| **TTU 1870** | 150-160 | 160,00 | 150,00 | 14,50 |
| **TTU 1870/1** | 150-160/1 | 160,00 | 150,00 | 16,00 |
| **TTU 1871** | 140-165 | 165,00 | 140,00 | 16,00 |
| **TTU 1872** | 145-165 | 165,00 | 145,00 | 16,00 |
| **TTU 1872/1** | 150-170 | 170,00 | 150,00 | 13,00 |
| **TTU 1873** | 150-170 | 170,00 | 150,00 | 16,00 |

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Suministros Industriales y Servicios

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| TTU 1873/1 | 150-170/2 | 170,00 | 150,00 | 17,00 |
| TTU 1874 | 150-170/1 | 170,00 | 150,00 | 19,00 |
| TTU 1874/1 | 155-170 | 170,00 | 155,00 | 11,00 |
| TTU 1874/2 | 160-170 | 170,00 | 160,00 | 6,00 |
| TTU 1874/3 | 160-175 | 175,00 | 160,00 | 13,00 |
| TTU 1875 | 150-180 | 180,00 | 150,00 | 14,50 |
| TTU 1875/1 | 160-180 | 180,00 | 160,00 | 11,00 |
| TTU 1876 | 160-180 | 180,00 | 160,00 | 16,00 |
| TTU 1876/2 | 165-180 | 180,00 | 165,00 | 10,00 |
| TTU 1876/1 | 170-190 | 190,00 | 170,00 | 13,00 |
| TTU 1877 | 170-190 | 190,00 | 170,00 | 16,00 |
| TTU 1878 | 170-200 | 200,00 | 170,00 | 19,00 |
| TTU 1879 | 175-200 | 200,00 | 175,00 | 16,00 |
| TTU 1879/1 | 180-200/1 | 200,00 | 180,00 | 11,00 |
| TTU 1879/2 | 180-200/2 | 200,00 | 180,00 | 13,00 |
| TTU 1880 | 180-200 | 200,00 | 180,00 | 16,00 |
| TTU 1880/1 | 190-206 | 206,00 | 190,00 | 21,00 |
| TTU 1880/2 | 187-202 | 202,00 | 187,00 | 12,00 |
| TTU 1881 | 180-220 | 220,00 | 180,00 | 21,00 |
| TTU 1881/1 | 200-220/1 | 220,00 | 200,00 | 11,00 |
| TTU 1881/2 | 200-220/3 | 220,00 | 200,00 | 13,00 |
| TTU 1881/3 | 200-220/4 | 220,00 | 200,00 | 12,00 |
| TTU 1882 | 200-220 | 220,00 | 200,00 | 16,00 |
| TTU 1882/5 | 200-220/5/AI | 220,00 | 200,00 | 16,00 |
| TTU 1882/1 | 200-220/2 | 220,00 | 200,00 | 17,00 |
| TTU 1882/3 | 200-220/AE | 220,00 | 200,00 | 18,00 |
| TTU 1882/4 | 200-220/AI | 220,00 | 200,00 | 18,00 |
| TTU 1883/1 | 208-220 | 220,00 | 208,00 | 10,00 |
| TTU 1883 | 200-225 | 225,00 | 200,00 | 19,00 |
| TTU 1883/3 | 200-225/1 | 225,00 | 200,00 | 16,00 |
| TTU 1883/2 | 220-240 | 240,00 | 220,00 | 16,00 |
| TTU 1884 | 225-245 | 245,00 | 225,00 | 16,00 |
| TTU 1885 | 220-250 | 250,00 | 220,00 | 19,00 |
| TTU 1885/5 | 225-250 | 250,00 | 225,00 | 19,00 |
| TTU 1885/3 | 230-250 | 250,00 | 230,00 | 13,00 |
| TTU 1885/4 | 230-250/1 | 250,00 | 230,00 | 16,00 |
| TTU 1885/1 | 238-250 | 250,00 | 238,00 | 10,00 |
| TTU 1885/6 | 230-255 | 255,00 | 230,00 | 20,00 |
| TTU 1885/2 | 240-260 | 260,00 | 240,00 | 21,00 |
| TTU 1886 | 245-270 | 270,00 | 245,00 | 16,00 |
| TTU 1886/1 | 260-275 | 275,00 | 260,00 | 12,00 |
| TTU 1887 | 250-280 | 280,00 | 250,00 | 19,00 |
| TTU 1887/1 | 265-280 | 280,00 | 265,00 | 12,00 |
| TTU 1887/2 | 260-290 | 290,00 | 260,00 | 19,00 |
| TTU 1888 | 265-290 | 290,00 | 265,00 | 18,00 |
| TTU 1889 | 270-290 | 290,00 | 270,00 | 18,00 |
| TTU 1890 | 270-300 | 300,00 | 270,00 | 16,00 |
| TTU 1891 | 280-300 | 300,00 | 280,00 | 16,00 |
| TTU 1891/1 | 285-300 | 300,00 | 285,00 | 12,00 |
| TTU 1891/5 | 280-310 | 310,00 | 280,00 | 20,00 |
| TTU 1891/2 | 300-320 | 320,00 | 300,00 | 16,00 |
| TTU 1891/3 | 300-320 | 320,00 | 300,00 | 20,00 |



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Suministros Industriales y Servicios

TECNOLAN

Juntas de PISTÓN
PISTON seals

# TTU

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | D | d | H |
| **TTU 1891/4** | **300-330** | 330,00 | 300,00 | 19,00 |
| **TTU 1892** | **305-320** | 320,00 | 305,00 | 18,00 |
| **TTU 1892/1** | **320-340** | 340,00 | 320,00 | 16,00 |
| **TTU 1892/3** | **355-330** | 355,00 | 330,00 | 16,00 |
| **TTU 1892/4** | **340-360** | 360,00 | 340,00 | 16,00 |
| **TTU 1892/2** | **360-380** | 380,00 | 360,00 | 16,00 |
| **TTU 1893** | **360-390** | 390,00 | 360,00 | 23,00 |
| **TTU 1894** | **380-400** | 400,00 | 380,00 | 16,00 |
| **TTU 1894/1** | **394-415** | 415,00 | 394,00 | 17,00 |
| **TTU 1895** | **400-420** | 420,00 | 400,00 | 16,00 |
| **TTU 1896** | **420-440** | 440,00 | 420,00 | 16,00 |



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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*


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Suministros Industriales y Servicios

# TTE
# TTE/AE

**Juntas** de PISTÓN
**PISTON seals**

TECNOLAN





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Suministros Industriales y Servicios

| Versión standar | | *Standard version* | |
|---|---|---|---|
| TTE<br>TTE/AE | Poliuretano<br>Poliuretano + POM | *TTE*<br>*TTE/AE* | *Polyurethane*<br>*Polyurethane + POM* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| Poliuretano Baja temperatura | *Low Temperature Polyurethane* |

| **Presión hasta / *Pressure up to*** |
|---|
| 35 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -35°C +100°C | -50°C +110°C PN 522 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Plataformas aéreas<br>Prensas<br>Cilindros de simple efecto | *Lift Platforms*<br>*Presses*<br>*Single acting Cylinders* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TTE • TTE/AE

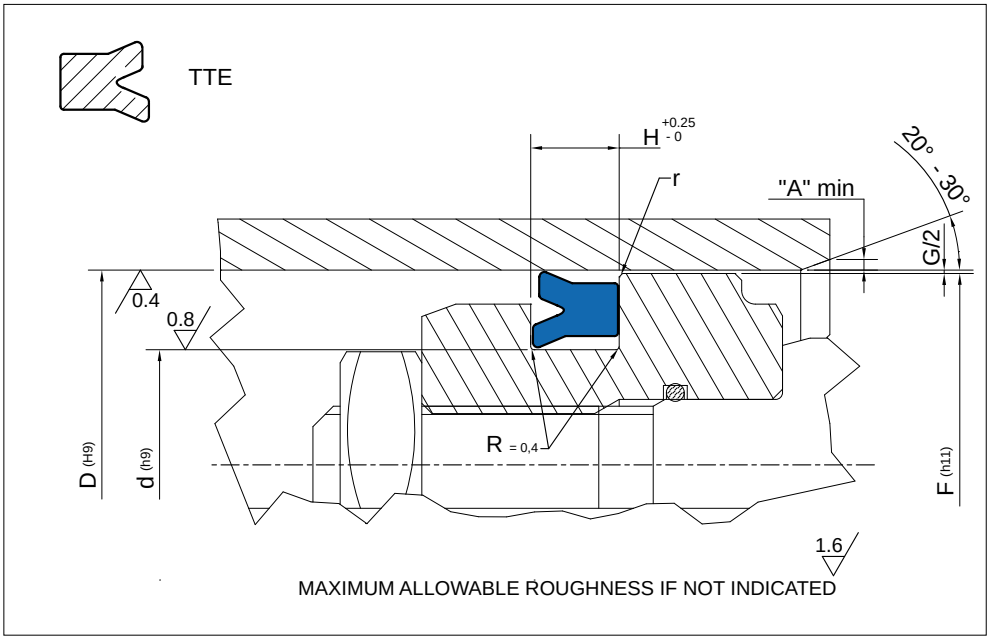
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TECNOLAN

Juntas de PISTÓN
PISTON seals

# TTE
# TTE/AE






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| | < d ≤ 100mm | | d ≥ 100mm | |
| r | remove sharp edges: r ≤ 0.3mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | Operating pressure to determinate Maximum Gap Allowance: G/2 | | | |
|---|---|---|---|---|
| | Profile Dimension | > 16 MPa | > 26 MPa | > 32 MPa |
| G | 5 | 0.90 mm | 0.50 mm | 0.20 mm |
| | 7.5 | 1.00 mm | 0.60 mm | 0.30 mm |
| | 10 | 1.10 mm | 0.60 mm | 0.30 mm |
| | 12.5 | 1.20 mm | 0.60 mm | 0.40 mm |

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Suministros Industriales y Servicios

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTE 1001 | 12-5 | 12,00 | 5,00 | 6,00 |
| TTE 1002 | 14-8 | 14,00 | 8,00 | 6,80 |
| TTE 1003 | 16-10/1 | 16,00 | 10,00 | 6,50 |
| TTE 1004 | 16-10 | 16,00 | 10,00 | 9,00 |
| TTE 1005 | 20-12 | 20,00 | 12,00 | 7,50 |
| TTE 1006 | 20-14 | 20,00 | 14,00 | 6,00 |
| TTE 1007 | 22-12 | 22,00 | 12,00 | 9,00 |
| TTE 1007/1 | 24-18 | 24,00 | 18,00 | 6,00 |
| TTE 1008 | 25-10 | 25,00 | 10,00 | 11,00 |
| TTE 1009 | 25-15 | 25,00 | 15,00 | 9,00 |
| TTE 1010 | 30-15 | 30,00 | 15,00 | 11,00 |
| TTE 1011 | 30-20 | 30,00 | 20,00 | 9,00 |
| TTE 1012 | 30-22 | 30,00 | 22,00 | 7,00 |
| TTE 1013 | 32-22/1 | 32,00 | 22,00 | 9,00 |
| TTE 1014 | 32-22 | 32,00 | 22,00 | 11,00 |
| TTE 1015 | 32-26 | 32,00 | 26,00 | 6,00 |
| TTE 1016 | 34-22/1 | 34,00 | 22,00 | 9,40 |
| TTE 1017 | 34-22 | 34,00 | 22,00 | 10,00 |
| TTE 1018 | 35-20 | 35,00 | 20,00 | 11,00 |
| TTE 1019 | 35-25 | 35,00 | 25,00 | 9,00 |
| TTE 1020 | 35-27 | 35,00 | 27,00 | 11,00 |
| TTE 1021 | 36,5-24,0 | 36,50 | 24,00 | 7,00 |
| TTE 1022 | 37-21 | 37,00 | 21,00 | 13,00 |
| TTE 1023 | 38-31 | 38,00 | 31,00 | 5,20 |
| TTE 1024 | 40-25 | 40,00 | 25,00 | 11,00 |

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| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTE 1024/1 | 40-25/AE | 40,00 | 25,00 | 11,00 |
| TTE 1025 | 40-30/1 | 40,00 | 30,00 | 7,50 |
| TTE 1026 | 40-30 | 40,00 | 30,00 | 11,00 |
| TTE 1027 | 40-32 | 40,00 | 32,00 | 9,00 |
| TTE 1028 | 40-33 | 40,00 | 33,00 | 9,00 |
| TTE 1029 | 42-32 | 42,00 | 32,00 | 11,00 |
| TTE 1030 | 42,0-34,5 | 42,00 | 34,50 | 4,70 |
| TTE 1031 | 43-25 | 43,00 | 25,00 | 10,00 |
| TTE 1032 | 44-20 | 44,00 | 20,00 | 12,00 |
| TTE 1033 | 45,0-28,5 | 45,00 | 28,50 | 13,00 |
| TTE 1034 | 45-30 | 45,00 | 30,00 | 11,00 |
| TTE 1034/1 | 45-35 | 45,00 | 35,00 | 9,00 |
| TTE 1034/2 | 45-35/AE | 45,00 | 35,00 | 9,00 |
| TTE 1035 | 50-30 | 50,00 | 30,00 | 13,00 |
| TTE 1036 | 50-32 | 50,00 | 32,00 | 11,00 |
| TTE 1037 | 50-35/1 | 50,00 | 35,00 | 9,50 |
| TTE 1038 | 50-35 | 50,00 | 35,00 | 11,00 |
| TTE 1038/1 | 50-39/AE | 50,00 | 39,00 | 9,00 |
| TTE 1039 | 50-40/1 | 50,00 | 40,00 | 5,50 |
| TTE 1040 | 50-40 | 50,00 | 40,00 | 11,00 |
| TTE 1041 | 50-42/3 | 50,00 | 42,00 | 4,00 |
| TTE 1042 | 50-42/2 | 50,00 | 42,00 | 6,00 |
| TTE 1042/1 | 50-42/3 | 50,00 | 42,00 | 8,00 |
| TTE 1043 | 50-42/1 | 50,00 | 42,00 | 9,00 |
| TTE 1044 | 50-42 | 50,00 | 42,00 | 11,00 |
| TTE 1044/1 | 50-42/AE | 50,00 | 42,00 | 10,60 |
| TTE 1045 | 50,8-40,8 | 50,80 | 40,80 | 8,00 |
| TTE 1046 | 52-42/AE | 52,00 | 42,00 | 10,60 |
| TTE 1047 | 55-40 | 55,00 | 40,00 | 11,00 |
| TTE 1048 | 55-47 | 55,00 | 47,00 | 8,00 |
| TTE 1049 | 60-40 | 60,00 | 40,00 | 13,00 |
| TTE 1049/1 | 60-40/1 | 60,00 | 40,00 | 14,50 |
| TTE 1050 | 60-45 | 60,00 | 45,00 | 11,00 |
| TTE 1051 | 60-50/1 | 60,00 | 50,00 | 5,50 |
| TTE 1052 | 60-50 | 60,00 | 50,00 | 8,00 |
| TTE 1053 | 60-50/2 | 60,00 | 50,00 | 11,00 |
| TTE 1054 | 60-52 | 60,00 | 52,00 | 9,00 |
| TTE 1055 | 63-43 | 63,00 | 43,00 | 13,00 |
| TTE 1056 | 63-45 | 63,00 | 45,00 | 11,00 |
| TTE 1057 | 63-48/1 | 63,00 | 48,00 | 11,00 |
| TTE 1058 | 63-48 | 63,00 | 48,00 | 13,00 |
| TTE 1059 | 63-53 | 63,00 | 53,00 | 8,00 |
| TTE 1060 | 63-53/1 | 63,00 | 53,00 | 13,00 |
| TTE 1060/1 | 63-55 | 63,00 | 55,00 | 6,30 |
| TTE 1061 | 65-45/1 | 65,00 | 45,00 | 13,00 |
| TTE 1062 | 65-45 | 65,00 | 45,00 | 14,50 |
| TTE 1063 | 65-50 | 65,00 | 50,00 | 11,00 |
| TTE 1063/1 | 65-50/AE | 65,00 | 50,00 | 11,00 |
| TTE 1064 | 65-50/1 | 65,00 | 50,00 | 12,50 |
| TTE 1065 | 65-55/1 | 65,00 | 55,00 | 11,00 |
| TTE 1065/1 | 65-55/2-AE | 65,00 | 55,00 | 11,00 |
| TTE 1066 | 65-55 | 65,00 | 55,00 | 14,50 |

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Suministros Industriales y Servicios



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Juntas de PISTÓN
PISTON seals

# TTE
# TTE/AE



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTE 1066/1 | 65-57 | 65,00 | 57,00 | 8,00 |
| TTE 1067 | 68-48 | 68,00 | 48,00 | 11,00 |
| TTE 1068 | 70-50 | 70,00 | 50,00 | 13,00 |
| TTE 1069 | 70-50/1 | 70,00 | 50,00 | 14,50 |
| TTE 1070 | 70-50/2 | 70,00 | 50,00 | 16,00 |
| TTE 1071 | 70-55/1 | 70,00 | 55,00 | 10,50 |
| TTE 1072 | 70-55 | 70,00 | 55,00 | 13,00 |
| TTE 1072/1 | 70-55/AE | 70,00 | 55,00 | 13,00 |
| TTE 1073 | 70-60 | 70,00 | 60,00 | 8,00 |
| TTE 1073/1 | 70-60/AE | 70,00 | 60,00 | 8,00 |
| TTE 1074 | 70-60/1 | 70,00 | 60,00 | 13,00 |
| TTE 1075 | 70-60/2 | 70,00 | 60,00 | 14,50 |
| TTE 1075/1 | 70-62/1 | 70,00 | 62,00 | 6,00 |
| TTE 1076 | 70-62 | 70,00 | 62,00 | 8,50 |
| TTE 1077 | 72-58 | 72,00 | 58,00 | 13,00 |
| TTE 1078 | 75-50 | 75,00 | 50,00 | 15,00 |
| TTE 1079 | 75-55 | 75,00 | 55,00 | 14,50 |
| TTE 1080 | 75-65/1 | 75,00 | 65,00 | 5,50 |
| TTE 1081 | 75-65/3 | 75,00 | 65,00 | 7,50 |
| TTE 1082 | 75-65/4 | 75,00 | 65,00 | 8,00 |
| TTE 1083 | 75-65/2 | 75,00 | 65,00 | 11,00 |
| TTE 1083/1 | 75-65/2-AE | 75,00 | 65,00 | 11,00 |
| TTE 1084 | 75-65 | 75,00 | 65,00 | 14,50 |
| TTE 1085 | 80-60 | 80,00 | 60,00 | 13,00 |
| TTE 1086 | 80-60/1 | 80,00 | 60,00 | 14,50 |
| TTE 1086/1 | 80-60/AE | 80,00 | 60,00 | 15,00 |
| TTE 1086/2 | 80-65/AE | 80,00 | 65,00 | 11,00 |
| TTE 1087 | 80-65 | 80,00 | 65,00 | 13,00 |
| TTE 1087/2 | 80-65/AE | 80,00 | 65,00 | 11,00 |
| TTE 1088 | 80-70 | 80,00 | 70,00 | 8,00 |
| TTE 1088/1 | 80-70/AE | 80,00 | 70,00 | 8,00 |
| TTE 1089 | 80-70/1 | 80,00 | 70,00 | 13,00 |
| TTE 1089/1 | 80/72/1 | 80,00 | 72,00 | 8,00 |
| TTE 1090 | 80-72 | 80,00 | 72,00 | 13,00 |
| TTE 1091 | 85-65 | 85,00 | 65,00 | 14,50 |
| TTE 1092 | 85-75/1 | 85,00 | 75,00 | 11,00 |
| TTE 1092/1 | 85-75/2-AE | 85,00 | 75,00 | 11,00 |
| TTE 1093 | 85-75 | 85,00 | 75,00 | 13,00 |
| TTE 1094 | 90-70 | 90,00 | 70,00 | 13,00 |
| TTE 1095 | 90-70/1 | 90,00 | 70,00 | 14,50 |
| TTE 1095/1 | 90-70/2-AE | 90,00 | 70,00 | 16,00 |
| TTE 1096 | 90-75 | 90,00 | 75,00 | 13,00 |
| TTE 1097 | 90-80/2 | 90,00 | 80,00 | 5,50 |
| TTE 1098 | 90-80/1 | 90,00 | 80,00 | 11,00 |
| TTE 1098/1 | 90-80/3-AE | 90,00 | 80,00 | 11,00 |
| TTE 1099 | 90-80 | 90,00 | 80,00 | 14,00 |
| TTE 1100 | 95-75 | 95,00 | 75,00 | 14,50 |
| TTE 1101 | 95-85/2 | 95,00 | 85,00 | 7,50 |
| TTE 1102 | 95-85 | 95,00 | 85,00 | 8,00 |
| TTE 1103 | 95-85/1 | 95,00 | 85,00 | 9,50 |
| TTE 1103/1 | 95-85/2-AE | 95,00 | 85,00 | 9,50 |

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Suministros Industriales y Servicios

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| TTE 1104 | 95-85/3 | 95,00 | 85,00 | 14,50 |
| TTE 1104/1 | 95-87 | 95,00 | 87,00 | 8,00 |
| TTE 1104/2 | 100-80 | 100,00 | 80,00 | 8,00 |
| TTE 1105 | 100-80/2 | 100,00 | 80,00 | 11,00 |
| TTE 1106 | 100-80 | 100,00 | 80,00 | 13,00 |
| TTE 1106/1 | 100-80/AE | 100,00 | 80,00 | 13,00 |
| TTE 1106/2 | 100-80/1-AE | 100,00 | 80,00 | 16,00 |
| TTE 1107 | 100-80/1 | 100,00 | 80,00 | 14,50 |
| TTE 1108 | 100-85 | 100,00 | 85,00 | 13,00 |
| TTE 1109 | 100-86 | 100,00 | 86,00 | 13,00 |
| TTE 1110 | 100-90 | 100,00 | 90,00 | 8,00 |
| TTE 1111 | 100-90/1 | 100,00 | 90,00 | 11,50 |
| TTE 1112 | 101,6-80,0 | 101,60 | 80,00 | 13,00 |
| TTE 1113 | 105-90 | 105,00 | 90,00 | 13,00 |
| TTE 1113/1 | 110-80/AE | 110,00 | 80,00 | 19,00 |
| TTE 1114 | 110-90 | 110,00 | 90,00 | 13,00 |
| TTE 1114/1 | 110-90/AE | 110,00 | 90,00 | 13,00 |
| TTE 1114/2 | 110-90/1-AE | 110,00 | 90,00 | 16,00 |
| TTE 1115 | 110-95 | 110,00 | 95,00 | 13,00 |
| TTE 1115/1 | 110-95/AE | 110,00 | 95,00 | 13,00 |
| TTE 1116 | 110-100 | 110,00 | 100,00 | 8,00 |
| TTE 1117 | 110-100/1 | 110,00 | 100,00 | 14,50 |
| TTE 1117/1 | 115-95/AE | 115,00 | 95,00 | 13,00 |
| TTE 1118 | 115-100 | 115,00 | 100,00 | 11,50 |
| TTE 1119 | 115-105 | 115,00 | 105,00 | 14,50 |
| TTE 1120 | 120-95 | 120,00 | 95,00 | 13,00 |
| TTE 1121 | 120-100 | 120,00 | 100,00 | 13,00 |
| TTE 1122 | 120-100/1 | 120,00 | 100,00 | 14,50 |
| TTE 1124 | 120-103 | 120,00 | 103,00 | 17,00 |
| TTE 1125 | 125-105 | 125,00 | 105,00 | 13,00 |
| TTE 1126 | 125-105/1 | 125,00 | 105,00 | 16,00 |
| TTE 1126/1 | 125-105/2-AE | 125,00 | 105,00 | 16,00 |
| TTE 1127 | 125-115 | 125,00 | 115,00 | 8,00 |
| TTE 1127/1 | 125-115/AE | 125,00 | 115,00 | 8,00 |
| TTE 1128 | 125-115/1 | 125,00 | 115,00 | 16,00 |
| TTE 1129 | 130-110 | 130,00 | 110,00 | 13,00 |
| TTE 1130 | 130-110/1 | 130,00 | 110,00 | 16,00 |
| TTE 1131 | 130-120 | 130,00 | 120,00 | 14,50 |
| TTE 1132 | 140-114 | 140,00 | 114,00 | 13,00 |
| TTE 1133 | 140-120 | 140,00 | 120,00 | 13,00 |
| TTE 1134 | 140-120/1 | 140,00 | 120,00 | 16,00 |
| TTE 1135 | 150-125 | 150,00 | 125,00 | 14,50 |
| TTE 1136 | 150-130 | 150,00 | 130,00 | 16,00 |
| TTE 1136/1 | 150-135 | 150,00 | 135,00 | 10,00 |
| TTE 1137 | 150-140 | 150,00 | 140,00 | 8,00 |
| TTE 1138 | 160-140 | 160,00 | 140,00 | 14,50 |
| TTE 1138/1 | 160-140/1 | 160,00 | 140,00 | 16,00 |
| TTE 1139 | 160-148 | 160,00 | 148,00 | 7,50 |
| TTE 1140 | 170-150 | 170,00 | 150,00 | 16,00 |
| TTE 1141 | 174,8-165,2 | 174,80 | 165,20 | 7,50 |
| TTE 1141/1 | 180-150 | 180,00 | 150,00 | 20,00 |

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Juntas de PISTÓN
PISTON seals

# TTE
# TTE/AE

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|---|
| | | d | D | H |
| **TTE 1142** | **180-160** | 180,00 | 160,00 | 14,50 |
| **TTE 1143** | **180-166** | 180,00 | 166,00 | 16,50 |
| **TTE 1144** | **190-170** | 190,00 | 170,00 | 16,00 |
| **TTE 1144/1** | **200-180** | 200,00 | 180,00 | 16,00 |
| **TTE 1144/2** | **220-200** | 220,00 | 200,00 | 16,00 |
| **TTE 1145** | **280-250** | 280,00 | 250,00 | 19,00 |



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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*


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# TTE/W
# TTE/W-RR

**Juntas** de PISTÓN
**PISTON seals**

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| Versión standar | | *Standard version* | |
|---|---|---|---|
| TTE/W<br>TTE/W-RR | Poliuretano Tecnolan+POM<br>Poliuretano Tecnolan+POM+ anillo Snap en POM | *TTE/W*<br>*TTE/W-RR* | *Polyurethane Tecnolan+POM*<br>*Polyurethane Tecnolan+POM+ POM Snap Ring* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| Poliuretano Baja temperatura+POM | *Low Temperature Polyurethane+POM* |

| **Presión hasta / *Pressure up to*** |
|---|
| 50 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -35°C +100°C | -50°C +110°C PN 522 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidráulicos<br>Vehículos hidráulicos<br>Máquinas de movimiento de tierra | *Hydraulic Cylinders*<br>*Tail Lifts*<br>*Earthmoving Machinery* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TTE/W • TTE/W-RR

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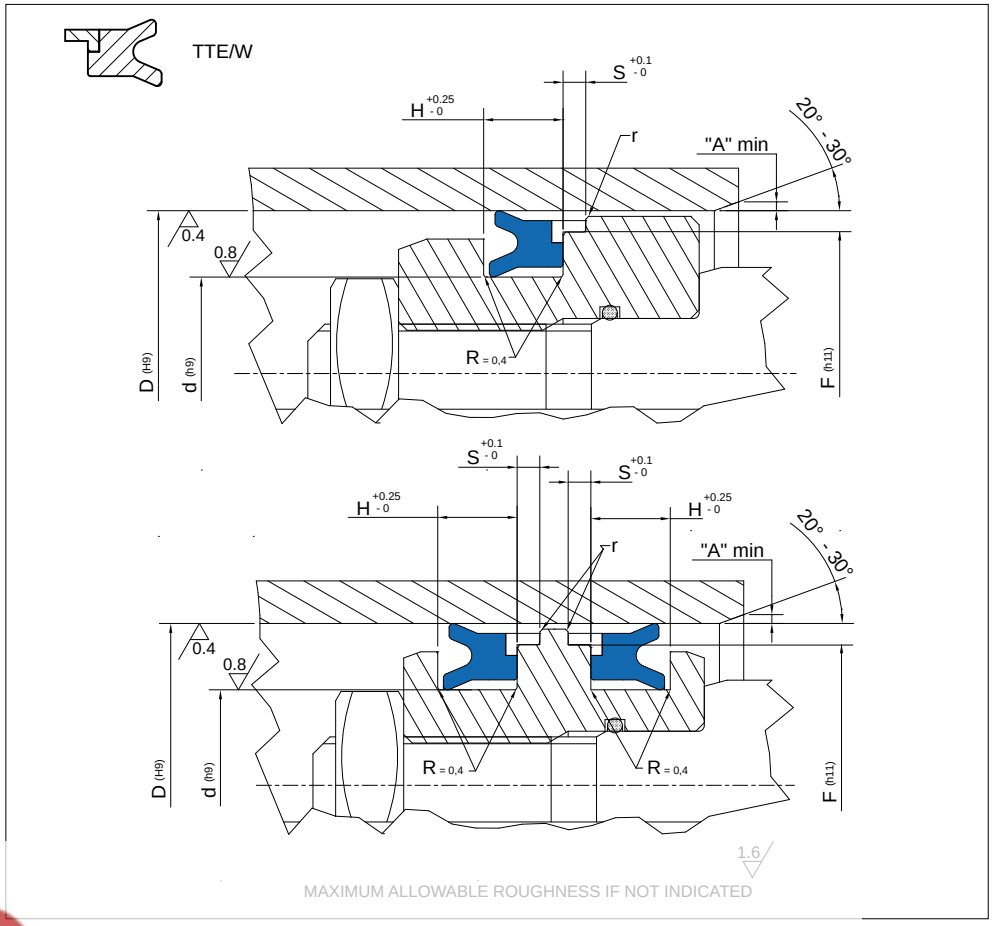
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Juntas de PISTÓN
PISTON seals

# TTE/W
# TTE/W-RR






Piston Seal design guidelines

| | d ≤ 100mm | | | d > 100mm | |
|---|---|---|---|---|---|
| r | remove sharp edges: r ≤ 0.3mm | | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm | A ≤ 5 mm |

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Suministros Industriales y Servicios

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | |
|---|---|---|---|---|---|---|
| | | D | d | H | F | S |
| **TTE/W 2001** | **32-20-8-W** | 32,00 | 20,00 | 9,00 | 28,50 | 6,35 |
| **TTE/W 2001/1** | **32-20-9-W** | 32,00 | 20,00 | 10,00 | 28,50 | 6,35 |
| **TTE/W 2002** | **35-22-9-W** | 35,00 | 22,00 | 10,00 | 31,40 | 6,35 |
| **TTE/W 2003** | **40-25-8,5-W** | 40,00 | 25,00 | 9,50 | 35,40 | 6,35 |
| **TTE/W 2004** | **40-26-8,5-W** | 40,00 | 26,00 | 9,50 | 35,40 | 6,35 |
| **TTE/W 2004/2** | **40-30-7-W** | 40,00 | 30,00 | 8,00 | 35,40 | 6,35 |
| **TTE/W 2004/1** | **40-30-8,5-W** | 40,00 | 30,00 | 9,50 | 35,40 | 6,35 |
| **TTE/W 2005** | **45-30-9-W** | 45,00 | 30,00 | 10,00 | 40,40 | 6,35 |
| **TTE/W 2006** | **45-35-8,5-W** | 45,00 | 35,00 | 9,50 | 40,40 | 6,35 |
| **TTE/W 2007** | **50-30-13,5** | 50,00 | 30,00 | 14,50 | 44,30 | 6,35 |
| **TTE/W 2008** | **50-35-10-W** | 50,00 | 35,00 | 11,00 | 45,35 | 6,35 |
| **TTE/W 2009** | **50-40-10-W** | 50,00 | 40,00 | 11,00 | 45,40 | 6,35 |
| **TTE/W 2010** | **55-40-10-W** | 55,00 | 40,00 | 11,00 | 50,35 | 6,35 |
| **TTE/W 2011** | **60-40-13,5-W1** | 60,00 | 40,00 | 14,50 | 54,20 | 6,35 |
| **TTE/W 2012** | **60-40-13,5-W** | 60,00 | 40,00 | 14,50 | 55,40 | 6,35 |
| **TTE/W 2013** | **60-45-10/W** | 60,00 | 45,00 | 11,00 | 54,20 | 6,35 |
| **TTE/W 2013/1** | **60-45-10-W1** | 60,00 | 45,00 | 11,00 | 55,40 | 6,35 |
| **TTE/W 2014** | **63-45-10-W** | 63,00 | 45,00 | 11,00 | 58,40 | 6,35 |
| **TTE/W 2015** | **65-50-10-W** | 65,00 | 50,00 | 11,00 | 60,40 | 6,35 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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Juntas de PISTÓN
PISTON seals

# TTE/W
# TTE/W-RR

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | |
|---|---|---|---|---|---|---|
| | | D | d | H | F | S |
| **TTE/W 2016** | 70-50-13,5-W | 70,00 | 50,00 | 14,50 | 64,20 | 6,35 |
| **TTE/W 2017** | 80-60-12-W | 80,00 | 60,00 | 13,00 | 74,15 | 6,35 |
| **TTE/W 2018** | 80-60-13,5-W1 | 80,00 | 60,00 | 14,50 | 74,15 | 6,35 |
| **TTE/W 2019** | 90-70-12-W | 90,00 | 70,00 | 13,00 | 84,15 | 6,35 |
| **TTE/W 2020** | 90-70-13,5-W1 | 90,00 | 70,00 | 14,50 | 84,15 | 6,35 |
| **TTE/W 2021** | 100-80-13,5-W | 100,00 | 80,00 | 14,50 | 93,15 | 6,35 |
| **TTE/W 2022** | 100-80-13,5-W1 | 100,00 | 80,00 | 14,50 | 94,15 | 6,35 |
| **TTE/W 2023** | 110-95-12-W | 110,00 | 95,00 | 13,00 | 103,10 | 6,35 |
| **TTE/W 2024** | 120-100-13,5-W | 120,00 | 100,00 | 14,50 | 113,10 | 6,35 |
| **TTE/W 2024/1** | 120-100-12,5-W1 | 120,00 | 100,00 | 13,50 | 114,10 | 6,35 |
| **TTE/W 2024/2** | 120-100-13,5-W2 | 120,00 | 100,00 | 14,50 | 113,10 | 6,35 |
| **TTE/W 2024/5** | 125-105-11,5 | 125,00 | 105,00 | 12,50 | 119,10 | 6,35 |
| **TTE/W 2024/6** | 130-110-12 | 130,00 | 110,00 | 13,00 | 124,10 | 6,35 |
| **TTE/W 2024/3** | 140-120-13,5-W | 140,00 | 120,00 | 14,50 | 134,10 | 6,35 |
| **TTE/W 2024/4** | 140-120-12 | 140,00 | 120,00 | 13,00 | 134,10 | 6,35 |
| **TTE/W 2025** | 150-130-12,5-W | 150,00 | 130,00 | 13,50 | 144,10 | 6,35 |

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# TTO

**Juntas** de PISTÓN
**PISTON seals**

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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano+OR NBR | *Polyurethane+OR NBR* |

| **Presión hasta / *Pressure up to*** | |
|---|---|
| 25 MPa PB501 | 40 MPa PB546 |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros para agricultura<br>Máquinas de movimiento de tierra<br>Carretillas elevadoras<br>Cilindros de dirección | *Agricultural Cylinders*<br>*Earthmoving Machinery*<br>*Fork Lifts*<br>*Steering Cylinders* |

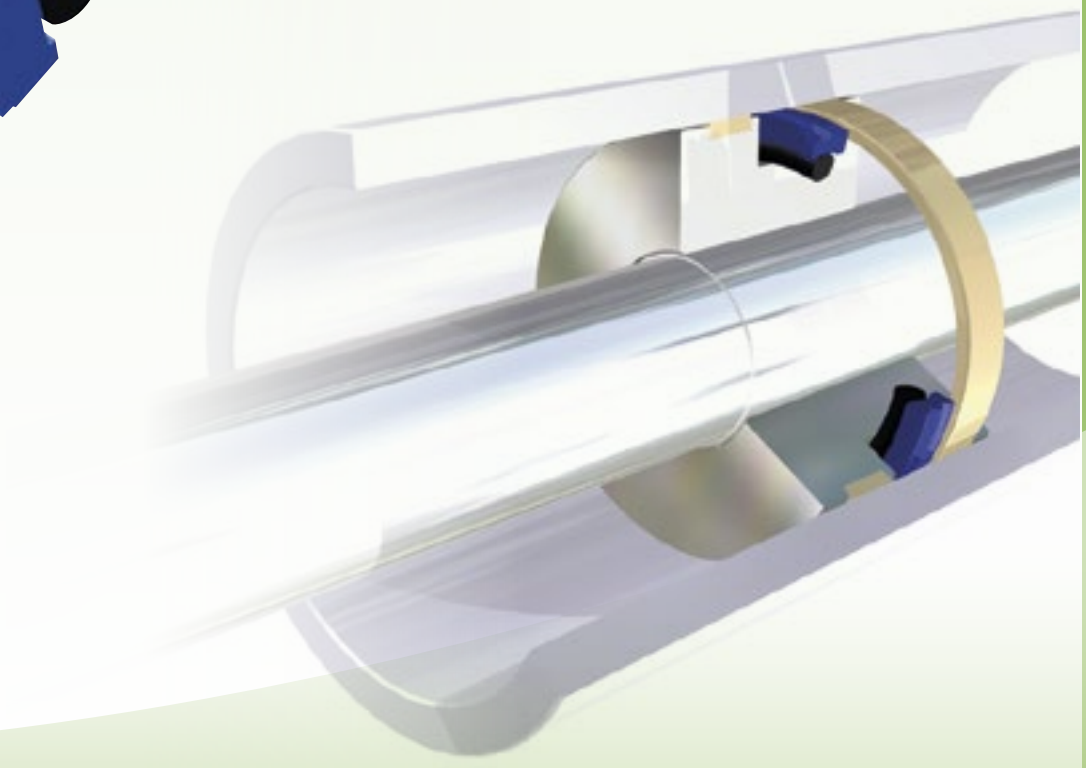


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TTO

192÷195

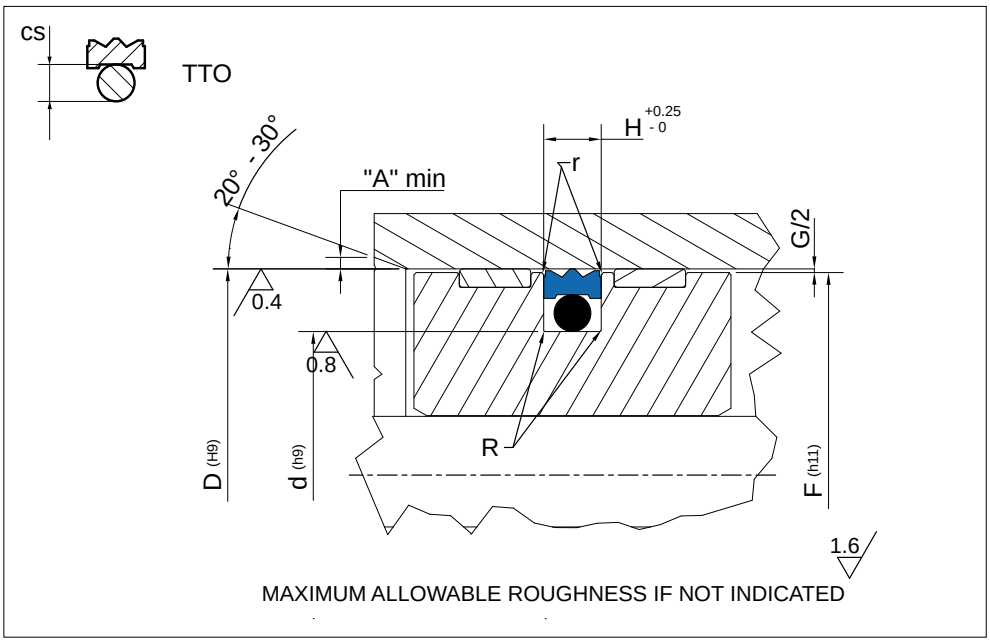
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Juntas de PISTÓN
PISTON seals

# TTO






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 65mm | | d > 65mm | |
| | max 0.50 mm | | max 0.90 mm | |
| r | remove sharp edges: r ≤ 0.3mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | O-Ring Cross Section | Max Gap Allowance |
|---|---|---|
| | CS | G MAX |
| G | 1,78 | 0,40 |
| | 2,62 | 0,50 |
| | 3,53 | 0,50 |
| | 5,33 | 0,50 |
| | 7,00 | 0,60 |

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Suministros Industriales y Servicios

| PART NO. | D | d | H | OR |
|---|---|---|---|---|
| TTO 15 | 15,00 | 7,50 | 3,20 | 108 |
| TTO 16 | 16,00 | 8,50 | 3,20 | 109 |
| TTO 20 | 20,00 | 12,50 | 3,20 | 112 |
| TTO 25 | 25,00 | 14,00 | 4,20 | 207 |
| TTO 25/1 | 25,00 | 17,50 | 3,20 | 115 |
| TTO 30 | 30,00 | 22,50 | 3,20 | 118 |
| TTO 32 | 32,00 | 21,00 | 4,20 | 211 |
| TTO 32/1 | 32,00 | 24,50 | 3,20 | 119 |
| TTO 35 | 35,00 | 27,50 | 3,20 | 121 |
| TTO 36 | 36,00 | 28,50 | 3,20 | 122 |
| TTO 38 | 38,00 | 30,50 | 3,20 | 123 |
| TTO 40 | 40,00 | 24,50 | 6,30 | 318 |
| TTO 40/1 | 40,00 | 29,00 | 4,20 | 216 |
| TTO 42 | 42,00 | 31,00 | 4,20 | 217 |
| TTO 45 | 45,00 | 29,50 | 6,30 | 320 |
| TTO 45/1 | 45,00 | 34,00 | 4,20 | 219 |
| TTO 48 | 48,00 | 37,00 | 4,20 | 221 |
| TTO 50 | 50,00 | 34,50 | 6,30 | 324 |
| TTO 50/1 | 50,00 | 39,00 | 4,20 | 222 |
| TTO 55 | 55,00 | 39,50 | 6,30 | 325 |
| TTO 55/1 | 55,00 | 44,00 | 4,20 | 224 |
| TTO 57 | 57,00 | 46,00 | 4,20 | 224 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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Juntas de PISTÓN
PISTON seals

# TTO

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | D | d | H | OR |
| **TTO 60** | 60,00 | 44,50 | 6,30 | **327** |
| **TTO 60/1** | 60,00 | 49,00 | 4,20 | **225** |
| **TTO 63** | 63,00 | 47,50 | 6,30 | **328** |
| **TTO 63/1** | 63,00 | 52,00 | 4,20 | **226** |
| **TTO 65** | 65,00 | 49,50 | 6,30 | **328** |
| **TTO 65/1** | 65,00 | 54,00 | 4,20 | **227** |
| **TTO 68** | 68,00 | 57,00 | 4,20 | **228** |
| **TTO 70** | 70,00 | 54,50 | 6,30 | **330** |
| **TTO 70/1** | 70,00 | 59,00 | 4,20 | **228** |
| **TTO 72** | 72,00 | 61,00 | 4,20 | **228** |
| **TTO 75** | 75,00 | 59,50 | 6,30 | **331** |
| **TTO 75/1** | 75,00 | 64,00 | 4,20 | **230** |
| **TTO 80** | 80,00 | 64,50 | 6,30 | **333** |
| **TTO 80/1** | 80,00 | 69,00 | 4,20 | **842** |
| **TTO 85** | 85,00 | 69,50 | 6,30 | **335** |
| **TTO 90** | 90,00 | 74,50 | 6,30 | **336** |
| **TTO 95** | 95,00 | 79,50 | 6,30 | **337** |
| **TTO 100** | 100,00 | 84,50 | 6,30 | **339** |
| **TTO 105** | 105,00 | 89,50 | 6,30 | **340** |
| **TTO 110** | 110,00 | 94,50 | 6,30 | **343** |
| **TTO 120** | 120,00 | 104,50 | 6,30 | **346** |
| **TTO 125** | 125,00 | 109,50 | 6,30 | **347** |
| **TTO 127** | 127,00 | 111,50 | 6,30 | **348** |
| **TTO 130** | 130,00 | 114,50 | 6,30 | **349** |
| **TTO 135** | 135,00 | 114,00 | 8,10 | **425** |
| **TTO 140** | 140,00 | 119,00 | 8,10 | **426** |
| **TTO 145** | 145,00 | 124,00 | 8,10 | **428** |
| **TTO 150** | 150,00 | 129,00 | 8,10 | **430** |
| **TTO 160** | 160,00 | 139,00 | 8,10 | **433** |
| **TTO 170** | 170,00 | 149,00 | 8,10 | **436** |
| **TTO 180** | 180,00 | 159,00 | 8,10 | **438** |
| **TTO 185** | 185,00 | 164,00 | 8,10 | **874** |
| **TTO 190** | 190,00 | 169,00 | 8,10 | **439** |
| **TTO 200** | 200,00 | 179,00 | 8,10 | **441** |
| **TTO 210** | 210,00 | 189,00 | 8,10 | **443** |
| **TTO 220** | 220,00 | 199,00 | 8,10 | **444** |
| **TTO 230** | 230,00 | 209,00 | 8,10 | **445** |
| **TTO 240** | 240,00 | 219,00 | 8,10 | **446** |
| **TTO 250** | 250,00 | 229,00 | 8,10 | **447** |

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# TTQ

**Juntas** de PISTÓN
**PISTON seals**

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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano+NBR | *Polyurethane+NBR* |

| **Presión hasta / *Pressure up to*** |
|---|
| 40 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.5 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros para agricultura<br>Máquinas de movimiento de tierra<br>Carretillas elevadoras<br>Cilindros de dirección | *Agricultural Cylinders*<br>*Earthmoving Machinery*<br>*Fork Lifts*<br>*Steering Cylinders* |

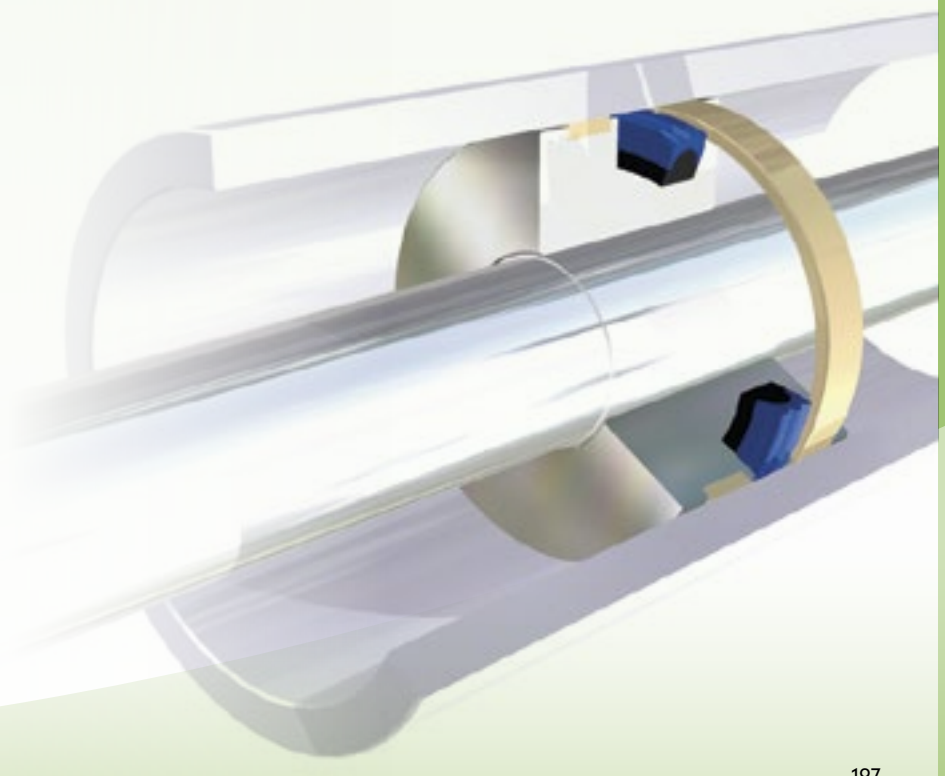


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TTQ

196÷199

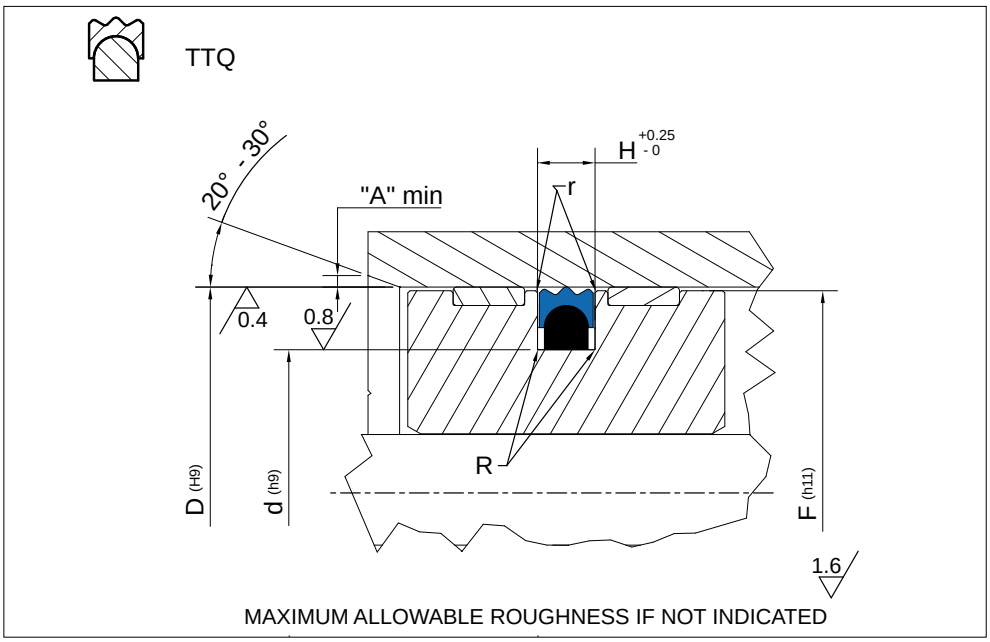
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Juntas de PISTÓN
PISTON seals

# TTQ






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 100mm | | d > 100mm | |
| | max 0.30 mm | | max 0.40 mm | |
| r | remove sharp edges: r ≤ 0.3mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | D | d | H |
| TTQ 20 | 20,00 | 12,50 | 3,20 |
| TTQ 25 | 25,00 | 17,50 | 3,20 |
| TTQ 30 | 30,00 | 22,50 | 3,20 |
| TTQ 32 | 32,00 | 24,50 | 3,20 |
| TTQ 35 | 35,00 | 24,50 | 4,20 |
| TTQ 40 | 40,00 | 24,50 | 6,30 |
| TTQ 40/1 | 40,00 | 29,00 | 4,20 |
| **TTQ 45** | 45,00 | 34,00 | 4,20 |
| **TTQ 48** | 48,00 | 37,00 | 4,20 |
| **TTQ 50** | 50,00 | 34,50 | 6,30 |
| **TTQ 50/1** | 50,00 | 39,00 | 4,20 |
| **TTQ 55** | 55,00 | 39,50 | 6,30 |
| **TTQ 55/1** | 55,00 | 44,00 | 4,20 |
| **TTQ 57** | 57,00 | 46,00 | 4,20 |
| **TTQ 60** | 60,00 | 44,50 | 6,30 |
| **TTQ 60/1** | 60,00 | 49,00 | 4,20 |
| **TTQ 63** | 63,00 | 47,50 | 6,30 |
| **TTQ 63/1** | 63,00 | 52,00 | 4,20 |
| **TTQ 65** | 65,00 | 49,50 | 6,30 |
| **TTQ 65/1** | 65,00 | 52,00 | 4,20 |
| **TTQ 68** | 68,00 | 57,00 | 4,20 |
| **TTQ 70** | 70,00 | 54,50 | 6,30 |
| **TTQ 70/2** | 70,00 | 57,00 | 6,30 |
| **TTQ 70/1** | 70,00 | 59,00 | 4,20 |
| **TTQ 72** | 72,00 | 61,00 | 4,20 |
| **TTQ 75** | 75,00 | 59,50 | 6,30 |
| **TTQ 75/1** | 75,00 | 63,00 | 6,30 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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Juntas de PISTÓN
PISTON seals

# TTQ

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | D | d | H |
| **TTQ 80/1** | 80,00 | 69,00 | 4,20 |
| **TTQ 80** | 80,00 | 64,50 | 6,30 |
| **TTQ 85** | 85,00 | 69,50 | 6,30 |
| **TTQ 90** | 90,00 | 74,50 | 6,30 |
| **TTQ 95** | 95,00 | 79,50 | 6,30 |
| **TTQ 100** | 100,00 | 84,50 | 6,30 |
| **TTQ 105** | 105,00 | 89,50 | 6,30 |
| **TTQ 110** | 110,00 | 94,50 | 6,30 |
| **TTQ 120** | 120,00 | 104,50 | 6,30 |
| **TTQ 120/1** | 120,00 | 99,00 | 8,10 |
| **TTQ 125** | 125,00 | 109,50 | 6,30 |
| **TTQ 130** | 130,00 | 109,00 | 8,10 |
| **TTQ 130/1** | 130,00 | 114,50 | 6,30 |
| **TTQ 140** | 140,00 | 119,00 | 8,10 |
| **TTQ 150** | 150,00 | 129,00 | 8,10 |
| **TTQ 150/1** | 150,00 | 129,00 | 10,50 |
| **TTQ 160** | 160,00 | 139,00 | 8,10 |
| **TTQ 180** | 180,00 | 159,00 | 8,10 |
| **TTQ 200** | 200,00 | 179,00 | 8,10 |

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# TTR

**Juntas** de PISTÓN
**PISTON seals**

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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano + NBR | *Polyurethane + NBR* |

| **Presión hasta / *Pressure up to*** |
|---|
| 40 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0,5 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros Standard<br>Cilindros para agricultura<br>Serie ligera | *Standard Industrial Cylinders*<br>*Agricultural Cylinders*<br>*Light Duty machinery* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TTR

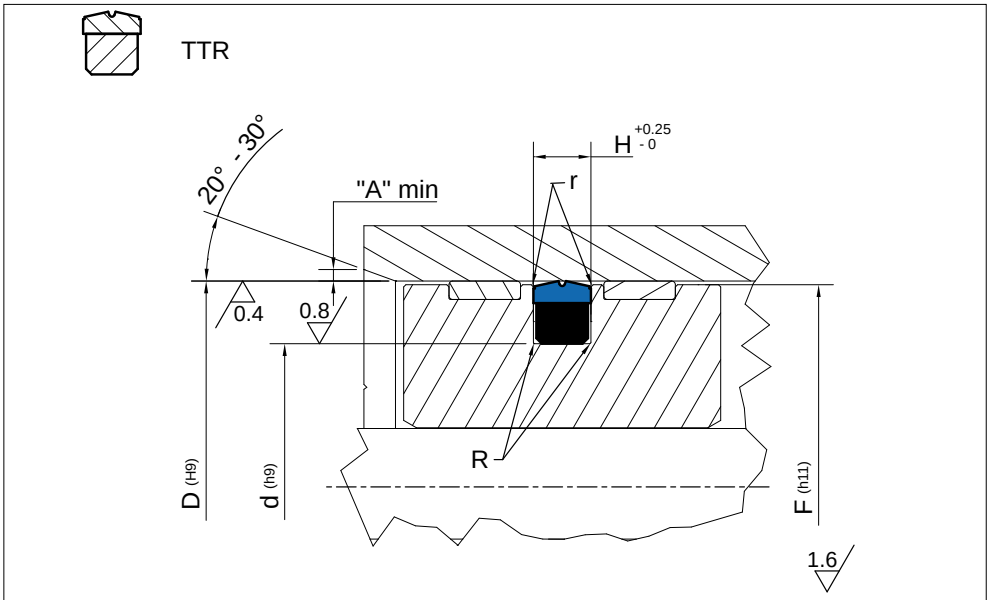




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Juntas de PISTÓN
PISTON seals

# TTR






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 100mm | | d > 100mm | |
| | max 0.30 mm | | max 0.40 mm | |
| r | remove sharp edges: r ≤ 0.3mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | D | d | H |
| TTR 50 | 50,00 | 34,50 | 6,30 |
| TTR 50/1 | 50,00 | 39,00 | 4,20 |
| TTR 55 | 55,00 | 39,50 | 6,30 |
| TTR 55/1 | 55,00 | 44,00 | 4,20 |
| TTR 60 | 60,00 | 44,50 | 6,30 |
| TTR 60/1 | 60,00 | 49,00 | 4,20 |
| TTR 63 | 63,00 | 47,50 | 6,30 |
| **TTR 63/1** | 63,00 | 52,00 | 4,20 |
| **TTR 65** | 65,00 | 49,50 | 6,30 |
| **TTR 65/1** | 65,00 | 52,00 | 6,30 |
| **TTR 70** | 70,00 | 54,50 | 6,30 |
| **TTR 70/1** | 70,00 | 59,00 | 4,20 |
| **TTR 75** | 75,00 | 59,50 | 6,30 |
| **TTR 75/1** | 75,00 | 62,00 | 6,30 |
| **TTR 80/1** | 80,00 | 69,00 | 4,20 |
| **TTR 80** | 80,00 | 64,50 | 6,30 |
| **TTR 85** | 85,00 | 69,50 | 6,30 |
| **TTR 90** | 90,00 | 74,50 | 6,30 |
| **TTR 95** | 95,00 | 79,50 | 6,30 |
| **TTR 100** | 100,00 | 84,50 | 6,30 |
| **TTR 105** | 105,00 | 89,50 | 6,30 |
| **TTR 110** | 110,00 | 94,50 | 6,30 |
| **TTR 120** | 120,00 | 104,50 | 6,30 |
| **TTR 125** | 125,00 | 109,50 | 6,30 |
| **TTR 130** | 130,00 | 114,50 | 6,30 |
| **TTR 130/1** | 130,00 | 109,00 | 8,10 |
| **TTR 140** | 140,00 | 119,00 | 8,10 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | D | d | H |
| **TTR 150** | 150,00 | 129,00 | 8,10 |
| **TTR 160** | 160,00 | 139,00 | 8,10 |
| **TTR 170** | 170,00 | 149,00 | 8,10 |
| **TTR 180** | 180,00 | 159,00 | 8,10 |
| **TTR 190** | 190,00 | 169,00 | 8,10 |
| **TTR 200** | 200,00 | 179,00 | 8,10 |

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# TUT

**Juntas** de PISTÓN
**PISTON seals**

TECNOTEX



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| **Versión standar** | ***Standard version*** |
|---|---|
| PA66 + NBR | *PA66 + NBR* |

| **Presión hasta / *Pressure up to*** |
|---|
| 50 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 1,0 m/s |

| **Temperatura / *Temperature*** |
|---|
| -30°C +110°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros doble efecto con alta presión<br>Cilindros serie pesada | *Heavy duty Applications*<br>*High pressure Double acting cylinders* |

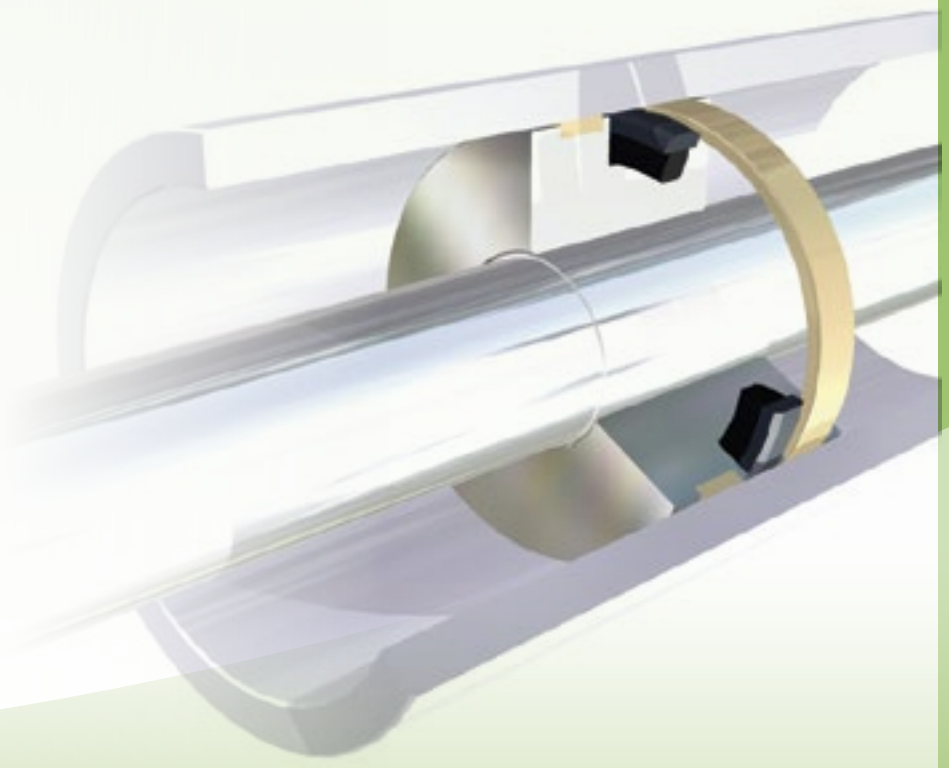


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TUT

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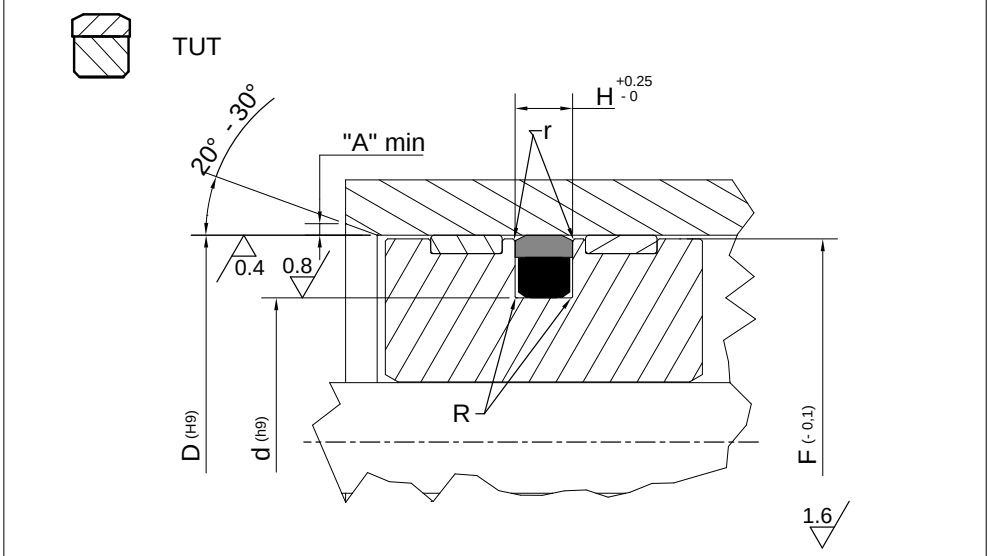
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Suministros Industriales y Servicios



TECNOTEX

Juntas de PISTÓN
PISTON seals

# TUT






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 65mm | | d > 65mm | |
| | max 0.40 mm | | max 0.80 mm | |
| r | remove sharp edges: r ≤ 0.3mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | D | d | H | F |
| TUT 30 | 30,00 | 22,00 | 3,75 | 29,00 |
| TUT 35 | 35,00 | 27,00 | 3,75 | 34,00 |
| TUT 50 | 50,00 | 34,50 | 6,30 | 49,00 |
| TUT 60 | 60,00 | 41,70 | 7,00 | 59,20 |
| TUT 63 | 63,00 | 44,50 | 6,30 | 62,00 |
| TUT 80 | 80,00 | 64,50 | 6,30 | 79,00 |
| TUT 80/1 | 80,00 | 59,00 | 8,10 | 79,00 |
| **TUT 85** | 85,00 | 64,00 | 8,10 | 84,00 |
| **TUT 90** | 90,00 | 69,00 | 8,10 | 89,00 |
| **TUT 90/1** | 90,00 | 74,50 | 6,30 | 89,00 |
| **TUT 95** | 95,00 | 74,00 | 8,10 | 94,00 |
| **TUT 100** | 100,00 | 79,00 | 8,10 | 99,00 |
| **TUT 100/1** | 100,00 | 84,50 | 6,30 | 99,00 |
| **TUT 105** | 105,00 | 84,00 | 8,10 | 103,80 |
| **TUT 110** | 110,00 | 89,00 | 8,10 | 108,80 |
| **TUT 110/1** | 110,00 | 94,50 | 6,30 | 109,00 |
| **TUT 115** | 115,00 | 94,00 | 8,10 | 113,80 |
| **TUT 120** | 120,00 | 99,00 | 8,10 | 118,80 |
| **TUT 125** | 125,00 | 104,00 | 8,10 | 123,80 |
| **TUT 125/1** | 125,00 | 109,50 | 6,30 | 124,00 |
| **TUT 130** | 130,00 | 109,00 | 8,10 | 128,80 |
| **TUT 135** | 135,00 | 114,00 | 8,10 | 133,80 |
| **TUT 140** | 140,00 | 119,00 | 8,10 | 138,80 |
| **TUT 150** | 150,00 | 129,00 | 8,10 | 148,80 |
| **TUT 160** | 160,00 | 139,00 | 8,10 | 158,80 |
| **TUT 165** | 165,00 | 144,00 | 8,10 | 163,80 |
| **TUT 170** | 170,00 | 149,00 | 8,10 | 168,80 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | D | d | H | F |
| **TUT 180** | 180,00 | 159,00 | 8,10 | 178,80 |
| **TUT 190** | 190,00 | 169,00 | 8,10 | 188,80 |
| **TUT 200** | 200,00 | 179,00 | 8,10 | 198,80 |
| **TUT 210** | 210,00 | 189,00 | 8,10 | 208,80 |
| **TUT 220** | 220,00 | 199,00 | 8,10 | 218,80 |
| **TUT 230** | 230,00 | 209,00 | 8,10 | 228,80 |
| **TUT 235** | 235,00 | 214,00 | 8,10 | 233,80 |
| **TUT 250** | 250,00 | 229,00 | 8,10 | 248,80 |
| **TUT 260** | 260,00 | 239,00 | 8,10 | 258,80 |

TECNOTEX

Juntas de PISTÓN
PISTON seals

# TUT

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# GUA-RING 01

**Juntas** de PISTÓN
**PISTON seals**

## TEF-RING



| Versión standar | *Standard version* |
|---|---|
| PTFE carga de vidrio + OR NBR | *Glass filled PTFE + OR NBR* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| PTFE carga de vidrio + OR FKM | *Glass filled PTFE + OR FKM* |

| **Presión hasta / *Pressure up to*** |
|---|
| 50 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 12 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -30°C +100°C | -20°C +200°C FKM |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Prensas<br>Cilindros hidraúlicos | *Presses*<br>*Hydraulic Cylinders* |

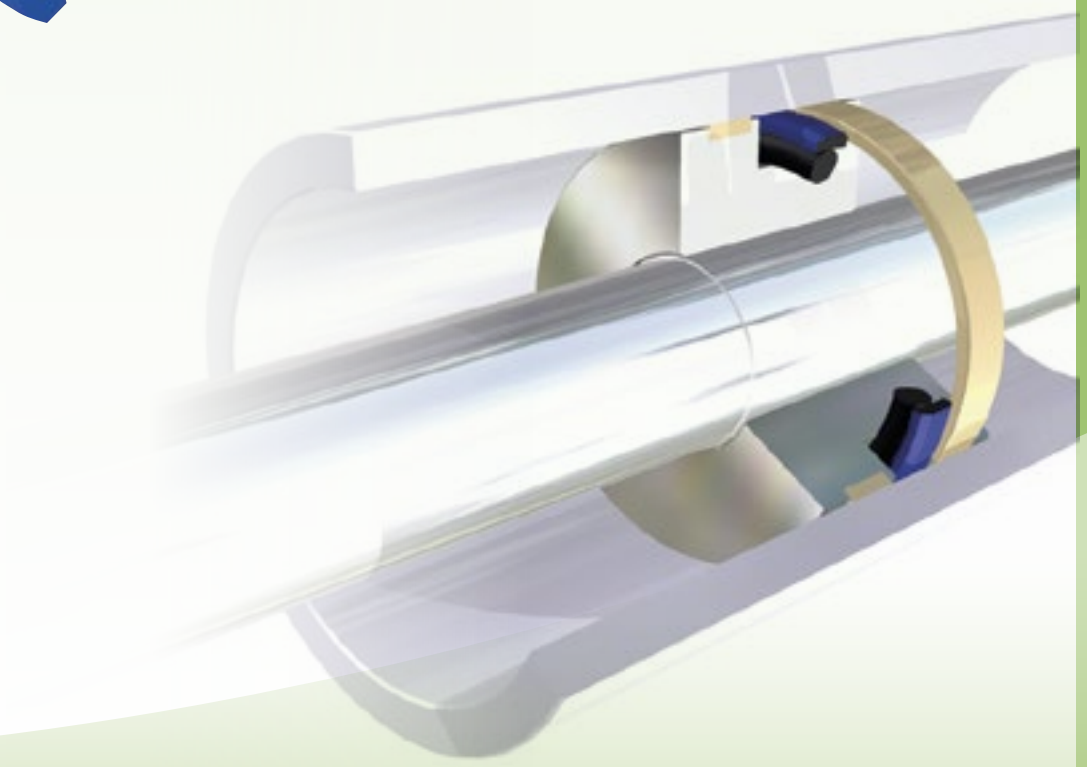


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GUA-RING 01

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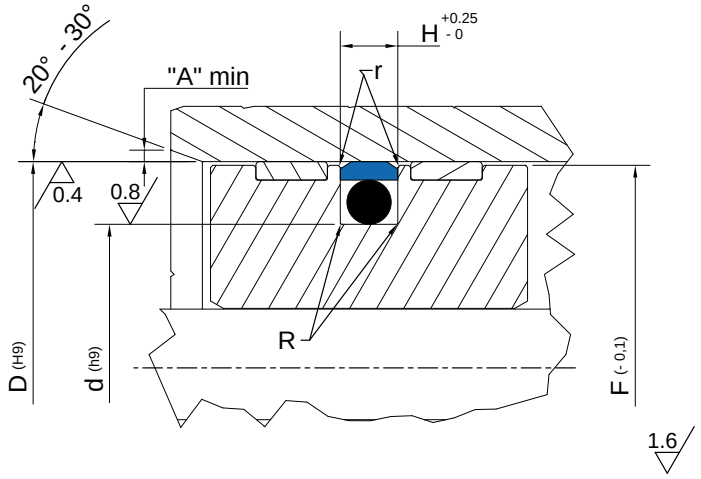
TEF-RING

Juntas de PISTÓN
PISTON seals

# GUA-RING 01



Gua-Ring 01




MAXIMUM ALLOWABLE ROUGHNESS IF NOT INDICATED

| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 100mm | | d > 100mm | |
| | max 0.40 mm | | max 0.80 mm | |
| r | remove sharp edges: r ≤ 0.3mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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Suministros Industriales y Servicios

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | D | d | H | OR |
| 01.007 | 7,00 | 3,00 | 1,95 | 006 |
| 01.008 | 8,00 | 4,00 | 1,95 | 007 |
| 01.010 | 10,00 | 6,00 | 1,95 | 009 |
| 01.012 | 12,00 | 8,00 | 1,92 | 011 |
| 01.013 | 13,00 | 9,00 | 1,95 | 012 |
| 01.015 | 15,00 | 11,00 | 1,95 | 013 |
| 01.016 | 16,00 | 10,00 | 2,80 | 110 |
| **01.018** | 18,00 | 12,00 | 2,80 | **111** |
| **01.020** | 20,00 | 14,00 | 2,80 | **113** |
| **01.022** | 22,00 | 16,00 | 2,80 | **114** |
| **01.025** | 25,00 | 19,00 | 2,80 | **116** |
| **01.028** | 28,00 | 20,00 | 3,75 | **210** |
| **01.030** | 30,00 | 22,00 | 3,75 | **212** |
| **01.032** | 32,00 | 24,00 | 3,75 | **213** |
| **01.033** | 33,00 | 25,00 | 3,75 | **214** |
| **01.035** | 35,00 | 27,00 | 3,75 | **215** |
| **01.036** | 36,00 | 28,00 | 3,75 | **215** |
| **01.038** | 38,00 | 30,00 | 3,75 | **217** |
| **01.040** | 40,00 | 32,00 | 3,75 | **218** |
| **01.042** | 42,00 | 34,00 | 3,75 | **219** |
| **01.045** | 45,00 | 37,00 | 3,75 | **221** |
| **01.048** | 48,00 | 40,00 | 3,75 | **222** |
| **01.050** | 50,00 | 37,50 | 5,50 | **325** |
| **01.052** | 52,00 | 39,50 | 5,50 | **325** |
| **01.055** | 55,00 | 42,50 | 5,50 | **326** |
| **01.058** | 58,00 | 45,50 | 5,50 | **327** |
| **01.060** | 60,00 | 47,50 | 5,50 | **328** |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | D | d | H | OR |
| **01.063** | 63,00 | 50,50 | 5,50 | **329** |
| **01.065** | 65,00 | 52,50 | 5,50 | **329** |
| **01.068** | 68,00 | 55,50 | 5,50 | **330** |
| **01.070** | 70,00 | 57,50 | 5,50 | **331** |
| **01.072** | 72,00 | 59,50 | 5,50 | **331** |
| **01.075** | 75,00 | 62,50 | 5,50 | **332** |
| **01.078** | 78,00 | 65,50 | 5,50 | **333** |
| **01.080** | 80,00 | 67,50 | 5,50 | **334** |
| **01.085** | 85,00 | 72,50 | 5,50 | **336** |
| **01.090** | 90,00 | 77,50 | 5,50 | **337** |
| **01.092** | 92,00 | 79,50 | 5,50 | **338** |
| **01.095** | 95,00 | 82,50 | 5,50 | **339** |
| **01.100** | 100,00 | 87,50 | 5,50 | **340** |
| **01.104** | 104,00 | 91,50 | 5,50 | **342** |
| **01.105** | 105,00 | 92,50 | 5,50 | **342** |
| **01.108** | 108,00 | 95,50 | 5,50 | **343** |
| **01.110** | 110,00 | 97,50 | 5,50 | **343** |
| **01.115** | 115,00 | 102,50 | 5,50 | **345** |
| **01.120** | 120,00 | 107,50 | 5,50 | **347** |
| **01.125** | 125,00 | 112,50 | 5,50 | **348** |
| **01.130** | 130,00 | 114,20 | 7,45 | **425** |
| **01.135** | 135,00 | 119,20 | 7,45 | **426** |
| **01.140** | 140,00 | 124,20 | 7,45 | **428** |
| **01.145** | 145,00 | 129,20 | 7,45 | **429** |
| **01.150** | 150,00 | 134,20 | 7,45 | **431** |
| **01.155** | 155,00 | 139,20 | 7,45 | **433** |
| **01.160** | 160,00 | 144,20 | 7,45 | **434** |
| **01.165** | 165,00 | 149,20 | 7,45 | **436** |
| **01.170** | 170,00 | 154,20 | 7,45 | **437** |
| **01.180** | 180,00 | 164,20 | 7,45 | **874** |
| **01.185** | 185,00 | 169,20 | 7,45 | **439** |
| **01.190** | 190,00 | 174,20 | 7,45 | **440** |
| **01.200** | 200,00 | 184,20 | 7,45 | **442** |
| **01.205** | 205,00 | 189,20 | 7,45 | **882** |
| **01.210** | 210,00 | 194,20 | 7,45 | **443** |
| **01.215** | 215,00 | 197,40 | 7,45 | **444** |
| **01.220** | 220,00 | 202,40 | 7,45 | **886** |
| **01.222** | 222,00 | 204,40 | 7,45 | **445** |
| **01.225** | 225,00 | 207,40 | 7,45 | **445** |
| **01.230** | 230,00 | 212,40 | 7,45 | **674** |
| **01.240** | 240,00 | 222,40 | 7,45 | **676** |
| **01.250** | 250,00 | 232,40 | 7,45 | **447** |
| **01.260** | 260,00 | 242,40 | 7,45 | **448** |
| **01.270** | 270,00 | 252,40 | 7,45 | **680** |
| **01.280** | 280,00 | 262,40 | 7,45 | **682** |
| **01.285** | 285,00 | 267,40 | 7,45 | **450** |
| **01.290** | 290,00 | 272,40 | 7,45 | **684** |
| **01.295** | 295,00 | 277,40 | 7,45 | **684** |
| **01.300** | 300,00 | 282,40 | 7,45 | **451** |
| **01.320** | 320,00 | 302,40 | 7,45 | **688** |
| **01.330** | 330,00 | 312,40 | 7,45 | **453** |
| **01.340** | 340,00 | 322,40 | 7,45 | **454** |



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Suministros Industriales y Servicios

TEF-RING

Juntas de PISTÓN
PISTON seals

# GUA-RING 01



| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | D | d | H | OR |
| **01.345** | 345,00 | 327,40 | 7,45 | **454** |
| **01.350** | 350,00 | 332,40 | 7,45 | **455** |
| **01.360** | 360,00 | 342,40 | 7,45 | **456** |
| **01.370** | 370,00 | 352,40 | 7,45 | **456** |
| **01.380** | 380,00 | 362,40 | 7,45 | **457** |
| **01.390** | 390,00 | 372,40 | 7,45 | **458** |
| **01.400** | 400,00 | 382,40 | 7,45 | **459** |
| **01.420** | 420,00 | 402,40 | 7,45 | **460** |
| **01.450** | 450,00 | 432,40 | 7,45 | **462** |
| **01.460** | 460,00 | 442,40 | 7,45 | **463** |
| **01.500** | 500,00 | 482,40 | 7,45 | **466** |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*


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# GUA-RING GER

**Juntas** de PISTÓN
**PISTON seals**

## TEF-RING

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| Versión standar | *Standard version* |
|---|---|
| PTFE carga de bronce+OR NBR | *Bronze filled PTFE+OR NBR* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| PTFE carga de bronce+OR FKM<br>PTFE carga de bronce+OR NBR Baja Temp. | *Bronze filled PTFE+OR FKM*<br>*Bronze filled PTFE+OR NBR low temp.* |

| **Presión hasta / *Pressure up to*** |
|---|
| 60 MPa |

| **Velocidad hasta / *Speed up to*** |
|---|
| 15 m/s |

| **Temperatura / *Temperature*** | | |
|---|---|---|
| -30°C +100°C | -10°C +200°C FKM | -50°C +100°C TDS 108 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros especiales<br>Hidráulica móvil<br>Máquinas de movimiento de tierra<br>Prensas<br>Máquinas de inyección | *Special Cylinders*<br>*Mobile Hydraulics*<br>*Earth moving machinery*<br>*Presses*<br>*Injection moulding machines* |

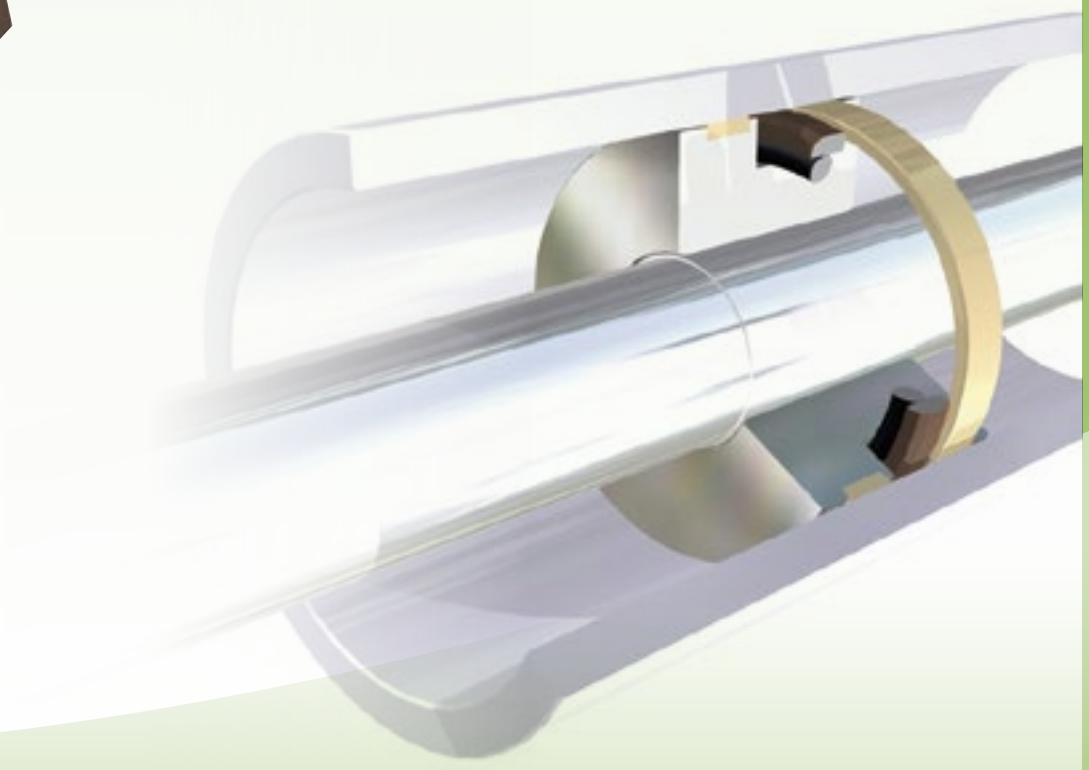


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GUA-RING GER

214÷257

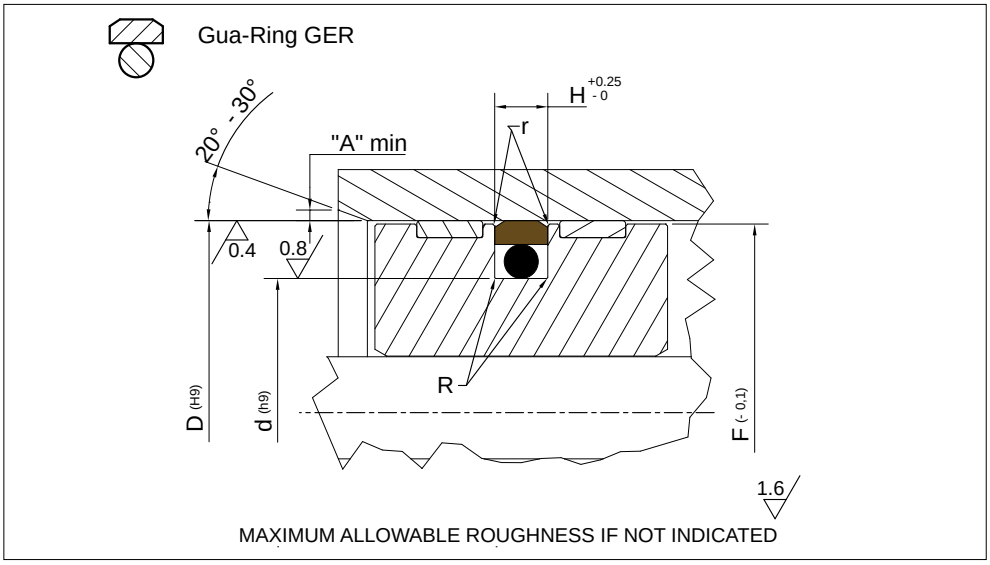
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TEF-RING

Juntas de PISTÓN
PISTON seals

# GUA-RING GER






| Piston Seal design guidelines | | | | |
|---|---|---|---|---|
| R | d ≤ 100mm | | d > 100mm | |
| | max 0.40 mm | | max 0.80 mm | |
| r | remove sharp edges: r ≤ 0.3mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

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| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | D | d | H | OR |
| GER 0080 | 8,00 | 3,10 | 2,20 | 006 |
| GER 0100 | 10,00 | 5,10 | 2,20 | 008 |
| GER 0120 | 12,00 | 7,10 | 2,20 | 010 |
| GER 0150 | 15,00 | 7,50 | 3,20 | 108 |
| GER 0160 | 16,00 | 8,50 | 3,20 | 109 |
| GER 0180 | 18,00 | 10,50 | 3,20 | 110 |
| GER 0200 | 20,00 | 12,50 | 3,20 | 111 |
| GER 0220 | 22,00 | 14,50 | 3,20 | 113 |
| GER 0240 | 24,00 | 16,50 | 3,20 | 114 |
| GER 0250 | 25,00 | 17,50 | 3,20 | 115 |
| GER 0280 | 28,00 | 20,50 | 3,20 | 116 |
| GER 0300 | 30,00 | 22,50 | 3,20 | 118 |
| GER 0320 | 32,00 | 24,50 | 3,20 | 119 |
| GER 0350 | 35,00 | 27,50 | 3,20 | 121 |
| GER 0380 | 38,00 | 30,50 | 3,20 | 123 |
| GER 0390 | 39,00 | 31,50 | 3,20 | 124 |
| GER 0400 | 40,00 | 29,00 | 4,20 | 216 |
| GER 0420 | 42,00 | 31,00 | 4,20 | 217 |
| GER 0450 | 45,00 | 34,00 | 4,20 | 219 |
| GER 0480 | 48,00 | 37,00 | 4,20 | 221 |
| GER 0500 | 50,00 | 39,00 | 4,20 | 222 |
| GER 0520 | 52,00 | 41,00 | 4,20 | 223 |
| GER 0550 | 55,00 | 44,00 | 4,20 | 224 |
| GER 0600 | 60,00 | 49,00 | 4,20 | 225 |
| GER 0630 | 63,00 | 52,00 | 4,20 | 226 |
| GER 0650 | 65,00 | 54,00 | 4,20 | 227 |
| GER 0700 | 70,00 | 59,00 | 4,20 | 228 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | D | d | H | OR |
| GER 0750 | 75,00 | 64,00 | 4,20 | 230 |
| GER 0800 | 80,00 | 64,50 | 6,30 | 333 |
| GER 0850 | 85,00 | 69,50 | 6,30 | 335 |
| GER 0900 | 90,00 | 74,50 | 6,30 | 336 |
| GER 0950 | 95,00 | 79,50 | 6,30 | 338 |
| GER 1000 | 100,00 | 84,50 | 6,30 | 339 |
| GER 1050 | 105,00 | 89,50 | 6,30 | 341 |
| GER 1100 | 110,00 | 94,50 | 6,30 | 343 |
| GER 1150 | 115,00 | 99,50 | 6,30 | 344 |
| GER 1200 | 120,00 | 104,50 | 6,30 | 346 |
| GER 1250 | 125,00 | 109,50 | 6,30 | 347 |
| GER 1300 | 130,00 | 114,50 | 6,30 | 349 |
| GER 1350 | 135,00 | 114,00 | 8,10 | 425 |
| GER 1400 | 140,00 | 119,00 | 8,10 | 426 |
| GER 1450 | 145,00 | 124,00 | 8,10 | 428 |
| GER 1500 | 150,00 | 129,00 | 8,10 | 429 |
| GER 1600 | 160,00 | 139,00 | 8,10 | 433 |
| GER 1700 | 170,00 | 149,00 | 8,10 | 436 |
| GER 1800 | 180,00 | 159,00 | 8,10 | 438 |
| GER 1900 | 190,00 | 169,00 | 8,10 | 439 |
| GER 2000 | 200,00 | 179,00 | 8,10 | 441 |
| GER 2100 | 210,00 | 189,00 | 8,10 | 442 |
| GER 2200 | 220,00 | 199,00 | 8,10 | 444 |
| GER 2250 | 225,00 | 204,00 | 8,10 | 445 |
| GER 2300 | 230,00 | 209,00 | 8,10 | 445 |
| GER 2400 | 240,00 | 219,00 | 8,10 | 446 |
| GER 2500 | 250,00 | 229,00 | 8,10 | 447 |
| GER 2600 | 260,00 | 239,00 | 8,10 | 447 |
| GER 2700 | 270,00 | 249,00 | 8,10 | 448 |
| GER 2800 | 280,00 | 259,00 | 8,10 | 449 |
| GER 2900 | 290,00 | 269,00 | 8,10 | 450 |
| GER 3000 | 300,00 | 279,00 | 8,10 | 451 |
| GER 3100 | 310,00 | 289,00 | 8,10 | 451 |
| GER 3200 | 320,00 | 299,00 | 8,10 | 452 |
| GER 3300 | 330,00 | 305,50 | 8,10 | 453 |
| GER 3400 | 340,00 | 315,50 | 8,10 | 453 |
| GER 3500 | 350,00 | 325,50 | 8,10 | 454 |
| GER 3600 | 360,00 | 335,50 | 8,10 | 455 |
| GER 3700 | 370,00 | 345,50 | 8,10 | 456 |
| GER 3800 | 380,00 | 355,50 | 8,10 | 457 |
| GER 3900 | 390,00 | 365,50 | 8,10 | 457 |
| GER 4000 | 400,00 | 375,50 | 8,10 | 458 |
| GER 4100 | 410,00 | 385,50 | 8,10 | 459 |
| GER 4200 | 420,00 | 395,50 | 8,10 | 460 |
| GER 4300 | 430,00 | 405,50 | 8,10 | 461 |
| GER 4400 | 440,00 | 415,50 | 8,10 | 461 |
| GER 4500 | 450,00 | 425,50 | 8,10 | 462 |
| GER 4600 | 460,00 | 435,50 | 8,10 | 463 |
| GER 4700 | 470,00 | 445,50 | 8,10 | 464 |
| GER 4800 | 480,00 | 455,50 | 8,10 | 465 |
| GER 4900 | 490,00 | 465,50 | 8,10 | 465 |
| GER 5000 | 500,00 | 475,50 | 8,10 | 466 |



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| PERFIL *PROFILE* | TIPO *SEAL TYPE* | Valores • *technical data* MPa | speed m/s | temp. °C | MATERIAL *MATERIAL* | light | medium | heavy | página *page* |
|---|---|---|---|---|---|---|---|---|---|
|  | **AGI**<br>**AGI/S** | - | - | -40<br>+110 | POM + Fibra de vidrio<br>*POM + Fiberglass* | • | • • | | 220÷225 |
|  | **AGE** | - | - | -40<br>+110 | POM + Fibra de vidrio<br>*POM + Fiberglass* | • | • • | | 226÷229 |
|  | **AFI**<br>**AFE** | - | - | -40<br>+130 | Tejido + Resina fenólica<br>*Fabric + Phenolic Resin* | • | • • | • • • | 230÷234 |
|  | **TEFSEAL**<br>**TF** | - | - | -40<br>+200 | PTFE + Bronce<br>*PTFE + Bronze* | • | • • | • • • | 236÷239 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

JUNTAS BESMA, S.A.



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# ANILLOS guía

## guide RINGS



# AGI
# AGI/S

**ANILLOS** guía
guide **RINGS**

TECNOTEX

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| Versión standar | | *Standard version* | |
|---|---|---|---|
| AGI | POM | *AGI* | *POM* |
| AGI/S | POM | *AGI/S* | *POM* |

| **Carga radial ESTATICA hasta / *STATIC Radial Load up to*** |
|---|
| 40 N/mm$^2$ |

| **Carga radial DINAMICA hasta / *DYNAMIC Radial Load up to*** |
|---|
| 20 N/mm$^2$ |

| **Velocidad hasta / *Speed up to*** |
|---|
| 1,0 m/s |

| **Temperatura / *Temperature*** |
|---|
| -40°C +110°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos | *Standard cylinders* |
| Cilindros telescópicos | *Telescopic cylinders* |
| Cilindros para agricultura | *Agricultural cylinders* |
| Carretillas elevadoras | *Forklift* |

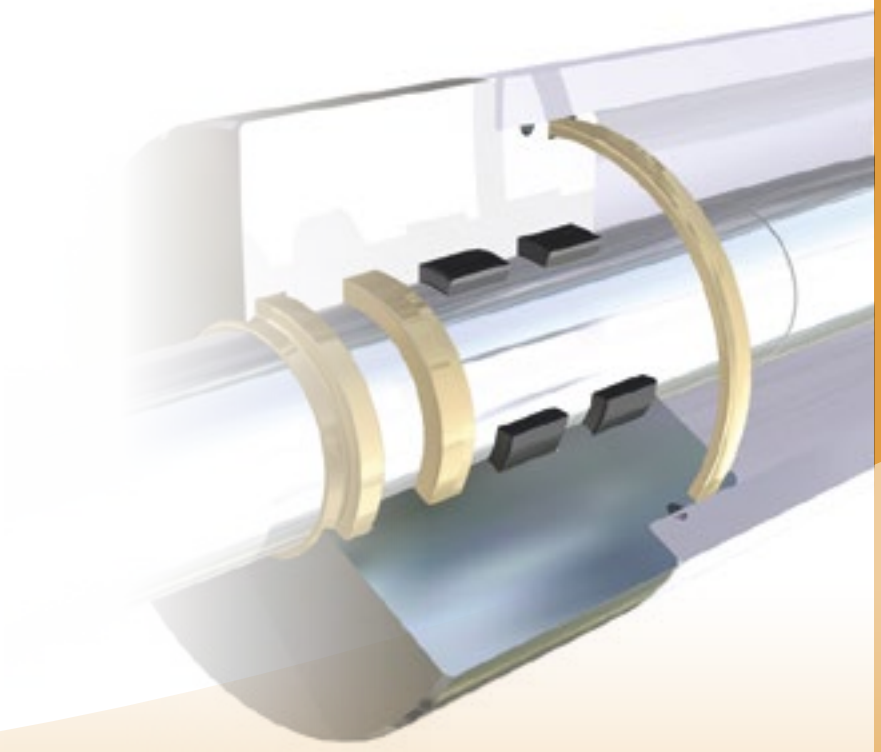


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*For special applications, Please contact us.*

# AGI • AGI/S

220÷225

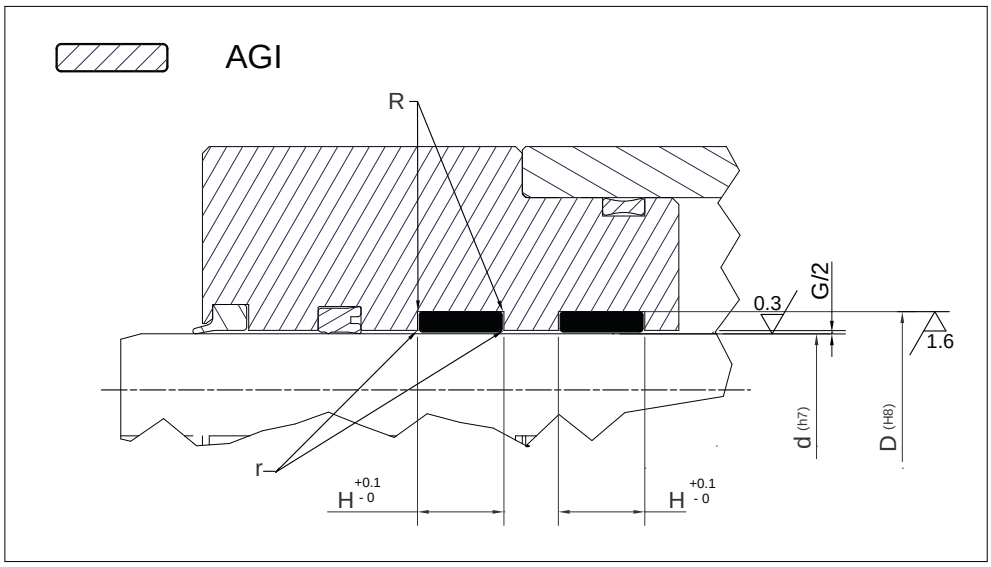
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TECNOTEX

ANILLOS guía
guide RINGS

# AGI
# AGI/S






| Wear Ring design guidelines | | | |
|---|---|---|---|
| R | R ≤ 0.3 mm | | |
| r | r ≤ 0.2 mm | | |
| G | D ≤ 25mm | D ≥ 25mm to D100mm | >100mm |
| | 0.60mm | 0.80mm | 1.30mm |

| Roughness- Ra | |
|---|---|
| Sliding Surface | Ra < 0.3 µm |
| Groove Base | Ra < 1.6 µm |
| Groove Flanks | Ra < 1.6 µm |

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| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | d | D | H |
| AGI 12/2 | 12,00 | 16,00 | 9,70 |
| AGI 14/2 | 14,00 | 18,00 | 9,70 |
| AGI 16/2 | 16,00 | 20,00 | 9,70 |
| AGI 18/2 | 18,00 | 22,00 | 9,70 |
| AGI 20/2 | 20,00 | 24,00 | 9,70 |
| AGI 22/2 | 22,00 | 26,00 | 9,70 |
| AGI 25/2 | 25,00 | 29,00 | 9,70 |
| **AGI 26/2** | 26,00 | 30,00 | 9,70 |
| **AGI 28/2** | 28,00 | 32,00 | 9,70 |
| **AGI 30/2** | 30,00 | 34,00 | 9,70 |
| **AGI 32/2** | 32,00 | 36,00 | 9,70 |
| **AGI 35/2** | 35,00 | 39,00 | 9,70 |
| **AGI 36/2** | 36,00 | 40,00 | 9,70 |
| **AGI 38/2** | 38,00 | 42,00 | 9,70 |
| **AGI 40/2** | 40,00 | 44,00 | 9,70 |
| **AGI 45** | 45,00 | 51,00 | 9,70 |
| **AGI 46** | 46,00 | 52,00 | 9,70 |
| **AGI 48** | 48,00 | 54,00 | 9,70 |
| **AGI 50** | 50,00 | 56,00 | 9,70 |
| **AGI 53** | 53,00 | 59,00 | 9,70 |
| **AGI 55** | 55,00 | 61,00 | 9,70 |
| **AGI 60** | 60,00 | 66,00 | 12,80 |
| **AGI 63** | 63,00 | 69,00 | 12,80 |
| **AGI 65** | 65,00 | 71,00 | 12,80 |
| **AGI 70** | 70,00 | 76,00 | 12,80 |
| **AGI 75** | 75,00 | 81,00 | 12,80 |
| **AGI 80** | 80,00 | 86,00 | 12,80 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

ANILLOS guía
guide RINGS

# AGI
# AGI/S

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | d | D | H |
| **AGI 85** | 85,00 | 91,00 | 12,80 |
| **AGI 90** | 90,00 | 96,00 | 12,80 |
| **AGI 95** | 95,00 | 101,00 | 12,80 |
| **AGI 100** | 100,00 | 106,00 | 12,80 |
| **AGI 105** | 105,00 | 111,00 | 12,80 |
| **AGI 110** | 110,00 | 116,00 | 12,80 |
| **AGI 115** | 115,00 | 121,00 | 12,80 |
| **AGI 120** | 120,00 | 126,00 | 12,80 |
| **AGI 125** | 125,00 | 131,00 | 12,80 |
| **AGI 130** | 130,00 | 136,00 | 12,80 |
| **AGI 135** | 135,00 | 141,00 | 12,80 |
| **AGI 140** | 140,00 | 146,00 | 12,80 |
| **AGI 145** | 145,00 | 151,00 | 12,80 |
| **AGI 150** | 150,00 | 156,00 | 12,80 |
| **AGI 155** | 155,00 | 161,00 | 19,20 |
| **AGI 160** | 160,00 | 166,00 | 19,20 |
| **AGI 165** | 165,00 | 171,00 | 19,20 |
| **AGI 170** | 170,00 | 176,00 | 19,20 |
| **AGI 175** | 175,00 | 181,00 | 19,20 |
| **AGI 180** | 180,00 | 186,00 | 19,20 |
| **AGI 185** | 185,00 | 191,00 | 19,20 |
| **AGI 190** | 190,00 | 196,00 | 19,20 |
| **AGI 195** | 195,00 | 201,00 | 19,20 |
| **AGI 200** | 200,00 | 206,00 | 19,20 |
| **AGI 205** | 205,00 | 211,00 | 19,20 |
| **AGI 210** | 210,00 | 216,00 | 19,20 |
| **AGI 215** | 215,00 | 221,00 | 19,20 |
| **AGI 220** | 220,00 | 226,00 | 19,20 |
| **AGI 225** | 225,00 | 231,00 | 19,20 |
| **AGI 230** | 230,00 | 236,00 | 19,20 |
| **AGI 235** | 235,00 | 241,00 | 19,20 |
| **AGI 240** | 240,00 | 246,00 | 19,20 |
| **AGI 245** | 245,00 | 251,00 | 19,20 |
| **AGI 250** | 250,00 | 256,00 | 19,20 |
| **AGI 255** | 255,00 | 261,00 | 19,20 |
| **AGI 260** | 260,00 | 266,00 | 19,20 |
| **AGI 265** | 265,00 | 271,00 | 19,20 |
| **AGI 270** | 270,00 | 276,00 | 19,20 |
| **AGI 275** | 275,00 | 281,00 | 19,20 |
| **AGI 280** | 280,00 | 286,00 | 19,20 |
| **AGI 285** | 285,00 | 291,00 | 19,20 |
| **AGI 290** | 290,00 | 296,00 | 19,20 |
| **AGI 295** | 295,00 | 301,00 | 19,20 |
| **AGI 300** | 300,00 | 306,00 | 19,20 |



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TECNOTEX

ANILLOS guía
guide RINGS

# AGI
# AGI/S



| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | d | D | H |
| **AGI 15/S5** | 15,00 | 19,00 | 8,50 |
| **AGI 16/S** | 16,00 | 19,00 | 5,60 |
| **AGI 16/S1** | 16,00 | 20,00 | 5,60 |
| **AGI 22/S** | 22,00 | 28,00 | 9,70 |
| **AGI 25/S1** | 25,00 | 30,00 | 5,60 |
| **AGI 25/S** | 25,00 | 31,00 | 9,70 |
| **AGI 27/S5** | 27,00 | 30,00 | 6,00 |
| **AGI 27/S1** | 27,00 | 32,00 | 5,60 |
| **AGI 27/S** | 27,00 | 32,00 | 9,70 |
| **AGI 28/S** | 28,00 | 33,00 | 9,70 |
| **AGI 28/S1** | 28,00 | 33,00 | 5,60 |
| **AGI 30/S5** | 30,00 | 34,00 | 8,50 |
| **AGI 30/S** | 30,00 | 34,00 | 9,70 |
| **AGI 30/S1** | 30,00 | 35,00 | 5,60 |
| **AGI 30/S2** | 30,00 | 35,00 | 9,70 |
| **AGI 32/S5** | 32,00 | 35,00 | 6,00 |
| **AGI 32/S** | 32,00 | 38,00 | 9,70 |
| **AGI 34/S** | 34,00 | 40,00 | 9,70 |
| **AGI 35/S5** | 35,00 | 39,00 | 8,50 |
| **AGI 35/S** | 35,00 | 40,00 | 5,60 |
| **AGI 35/S3** | 35,00 | 40,00 | 9,70 |
| **AGI 35/S1** | 35,00 | 41,00 | 9,70 |
| **AGI 36/S1** | 36,00 | 41,00 | 5,60 |
| **AGI 36/S3** | 36,00 | 41,00 | 9,70 |
| **AGI 36/S** | 36,00 | 42,00 | 9,70 |
| **AGI 36/S2** | 36,00 | 42,00 | 12,70 |
| **AGI 39/S** | 39,00 | 45,00 | 9,70 |
| **AGI 40/S5** | 40,00 | 44,00 | 8,50 |
| **AGI 40/S** | 40,00 | 45,00 | 9,70 |
| **AGI 40/S1** | 40,00 | 45,00 | 5,60 |
| **AGI 40/S2** | 40,00 | 46,00 | 9,70 |
| **AGI 41/S1** | 41,00 | 45,00 | 9,70 |
| **AGI 41/S** | 41,00 | 46,00 | 5,60 |
| **AGI 43/S** | 43,00 | 48,00 | 5,30 |
| **AGI 45/S5** | 45,00 | 49,00 | 8,50 |
| **AGI 45/S1** | 45,00 | 50,00 | 5,60 |
| **AGI 45/S** | 45,00 | 50,00 | 9,70 |
| **AGI 45/S2** | 45,00 | 51,00 | 12,70 |
| **AGI 46/S** | 46,00 | 50,00 | 9,70 |
| **AGI 49/S** | 49,00 | 55,00 | 9,70 |
| **AGI 50/S** | 50,00 | 55,00 | 9,70 |
| **AGI 50/S1** | 50,00 | 55,00 | 20,00 |
| **AGI 50/S2** | 50,00 | 56,00 | 12,70 |
| **AGI 52/S** | 52,00 | 57,00 | 5,30 |
| **AGI 55/S5** | 55,00 | 59,00 | 8,50 |
| **AGI 55/S1** | 55,00 | 60,00 | 5,60 |
| **AGI 55/S** | 55,00 | 60,00 | 9,70 |
| **AGI 56/S1** | 56,00 | 61,00 | 9,70 |
| **AGI 56/S** | 56,00 | 62,00 | 12,70 |
| **AGI 57/S4** | 57,00 | 63,00 | 13,00 |
| **AGI 58/S1** | 58,00 | 63,00 | 5,60 |
| **AGI 58/S** | 58,00 | 63,00 | 9,70 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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ANILLOS guía
guide RINGS

# AGI
# AGI/S

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | d | D | H |
| AGI 59/S | 59,00 | 63,00 | 8,00 |
| AGI 60/S1 | 60,00 | 65,00 | 5,60 |
| AGI 60/S | 60,00 | 65,00 | 9,70 |
| AGI 60/S3 | 60,00 | 65,00 | 20,00 |
| AGI 63/S1 | 63,00 | 65,00 | 9,70 |
| AGI 63/S | 63,00 | 68,00 | 9,70 |
| AGI 65/S1 | 65,00 | 70,00 | 5,60 |
| AGI 65/S | 65,00 | 70,00 | 9,70 |
| AGI 70/S1 | 70,00 | 75,00 | 5,60 |
| AGI 70/S | 70,00 | 75,00 | 9,70 |
| AGI 70/S2 | 70,00 | 76,00 | 19,20 |
| AGI 74/S4 | 74,00 | 80,00 | 13,00 |
| AGI 75/S1 | 75,00 | 80,00 | 5,60 |
| AGI 75/S | 75,00 | 80,00 | 9,70 |
| AGI 75/S3 | 75,00 | 81,00 | 19,20 |
| AGI 80/S | 80,00 | 85,00 | 9,70 |
| AGI 80/S2 | 80,00 | 85,00 | 5,60 |
| AGI 80/S3 | 80,00 | 86,00 | 19,20 |
| AGI 80/S1 | 80,00 | 86,00 | 25,00 |
| AGI 85/S1 | 85,00 | 90,00 | 5,60 |
| AGI 85/S | 85,00 | 90,00 | 9,70 |
| AGI 85/S3 | 85,00 | 91,00 | 19,20 |
| AGI 90/S | 90,00 | 95,00 | 9,70 |
| AGI 90/S1 | 90,00 | 96,00 | 19,20 |
| AGI 90/S4 | 94,00 | 100,00 | 13,00 |
| AGI 95/S1 | 95,00 | 100,00 | 5,60 |
| AGI 95/S | 95,00 | 100,00 | 9,70 |
| AGI 95/S2 | 95,00 | 101,00 | 19,20 |
| AGI 100/S2 | 100,00 | 105,00 | 5,60 |
| AGI 100/S | 100,00 | 105,00 | 9,70 |
| AGI 100/S1 | 100,00 | 106,00 | 19,20 |
| AGI 105/S | 105,00 | 110,00 | 9,70 |
| AGI 105/S1 | 105,00 | 110,00 | 25,00 |
| AGI 105,5/S | 105,50 | 110,00 | 8,00 |
| AGI 109/S3 | 109,00 | 115,00 | 19,20 |
| AGI 115/S | 115,00 | 120,00 | 9,70 |
| AGI 119/S3 | 119,00 | 125,00 | 19,20 |
| AGI 120/S | 120,00 | 125,00 | 9,70 |
| AGI 120/S1 | 120,00 | 125,00 | 14,80 |
| AGI 120,5/S | 120,50 | 127,00 | 10,00 |
| AGI 129/S | 129,00 | 135,00 | 19,20 |
| AGI 133,5/S | 133,50 | 139,70 | 10,00 |
| AGI 139/S3 | 139,00 | 145,00 | 19,20 |
| AGI 140/S | 140,00 | 145,00 | 9,70 |
| AGI 155/S3 | 155,00 | 160,00 | 20,00 |
| AGI 165/S | 165,00 | 170,00 | 9,70 |
| AGI 155/S | 175,00 | 180,00 | 15,00 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |



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# AGE

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guide **RINGS**

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| Versión standar | *Standard version* |
|---|---|
| POM | *POM* |

| **Carga radial ESTATICA hasta / *STATIC Radial Load up to*** |
|---|
| 40 N/mm² |

| **Carga radial DINAMICA hasta / *DYNAMIC Radial Load up to*** |
|---|
| 20 N/mm² |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.8 m/s |

| **Temperatura / *Temperature*** |
|---|
| -40°C +110°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos<br>Cilindros telescópicos<br>Cilindros para agricultura<br>Carretillas elevadoras | *Standard cylinders*<br>*Telescopic cylinders*<br>*Agricultural cylinders*<br>*Forklift* |

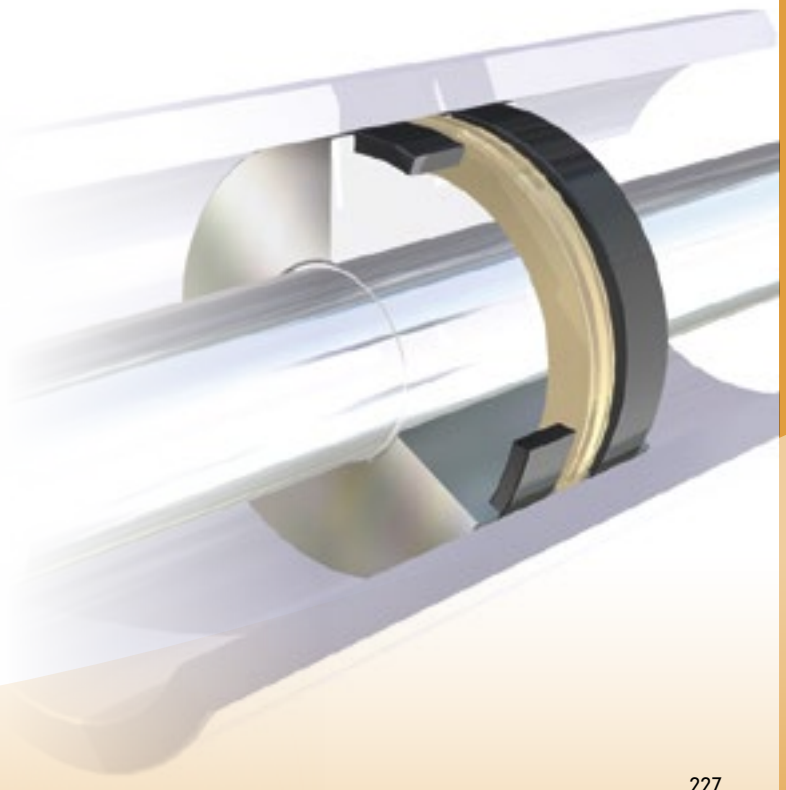


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# AGE

226÷229

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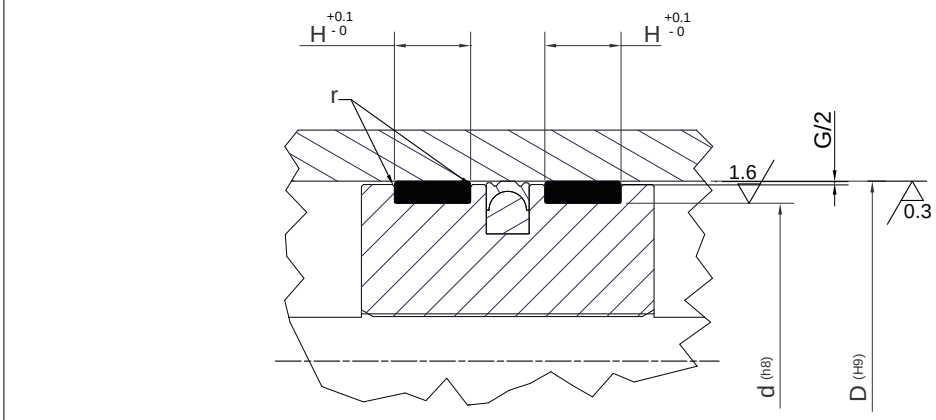


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guide RINGS

# AGE

AGE






| Wear Ring design guidelines | | | |
|---|---|---|---|
| r | r ≤ 0.2 mm | | |
| G | D ≤ 25mm | D ≥ 25mm to D100mm | >100mm |
| | 0.60mm | 0.80mm | 1.30mm |
| Roughness- Ra | | | |
| Sliding Surface | Ra < 0.3 µm | | |
| Groove Base | Ra < 1.6 µm | | |
| Groove Flanks | Ra < 1.6 µm | | |

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| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | D | d | H |
| AGE 16/2 | 16,00 | 12,00 | 9,70 |
| AGE 20/2 | 20,00 | 16,00 | 9,70 |
| AGE 25/2 | 25,00 | 21,00 | 9,70 |
| AGE 30/2 | 30,00 | 26,00 | 9,70 |
| AGE 32/2 | 32,00 | 28,00 | 9,70 |
| AGE 35/2 | 35,00 | 31,00 | 9,70 |
| AGE 40/2 | 40,00 | 36,00 | 9,70 |
| **AGE 45/2** | 45,00 | 41,00 | 9,70 |
| **AGE 50** | 50,00 | 44,00 | 9,70 |
| **AGE 55** | 55,00 | 49,00 | 12,80 |
| **AGE 60** | 60,00 | 54,00 | 12,80 |
| **AGE 63** | 63,00 | 57,00 | 12,80 |
| **AGE 65** | 65,00 | 59,00 | 12,80 |
| **AGE 70** | 70,00 | 64,00 | 12,80 |
| **AGE 74** | 74,00 | 68,00 | 12,80 |
| **AGE 75** | 75,00 | 69,00 | 12,80 |
| **AGE 80** | 80,00 | 74,00 | 12,80 |
| **AGE 85** | 85,00 | 79,00 | 12,80 |
| **AGE 90** | 90,00 | 84,00 | 12,80 |
| **AGE 93** | 93,00 | 87,00 | 12,80 |
| **AGE 95** | 95,00 | 89,00 | 12,80 |
| **AGE 100** | 100,00 | 94,00 | 12,80 |
| **AGE 105** | 105,00 | 99,00 | 12,80 |
| **AGE 110** | 110,00 | 104,00 | 12,80 |
| **AGE 112** | 112,00 | 106,00 | 12,70 |
| **AGE 115** | 115,00 | 109,00 | 12,80 |
| **AGE 120** | 120,00 | 114,00 | 12,80 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

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guide RINGS

# AGE

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | D | d | H |
| AGE 125 | 125,00 | 119,00 | 12,80 |
| AGE 130 | 130,00 | 124,00 | 12,80 |
| AGE 135 | 135,00 | 129,00 | 12,80 |
| AGE 140 | 140,00 | 134,00 | 12,80 |
| AGE 145 | 145,00 | 139,00 | 12,80 |
| AGE 150 | 150,00 | 144,00 | 12,80 |
| AGE 155 | 155,00 | 149,00 | 19,20 |
| AGE 160 | 160,00 | 154,00 | 19,20 |
| AGE 165 | 165,00 | 159,00 | 19,20 |
| AGE 170 | 170,00 | 164,00 | 19,20 |
| AGE 175 | 175,00 | 169,00 | 19,20 |
| AGE 180 | 180,00 | 174,00 | 19,20 |
| AGE 185 | 185,00 | 179,00 | 19,20 |
| AGE 190 | 190,00 | 184,00 | 19,20 |
| AGE 195 | 195,00 | 189,00 | 19,20 |
| AGE 200 | 200,00 | 194,00 | 19,20 |
| AGE 205 | 205,00 | 199,00 | 19,20 |
| AGE 210 | 210,00 | 204,00 | 19,20 |
| AGE 215 | 215,00 | 209,00 | 19,20 |
| AGE 220 | 220,00 | 214,00 | 19,20 |
| AGE 225 | 225,00 | 219,00 | 19,20 |
| AGE 230 | 230,00 | 224,00 | 19,20 |
| AGE 235 | 235,00 | 229,00 | 19,20 |
| AGE 240 | 240,00 | 234,00 | 19,20 |
| AGE 245 | 245,00 | 239,00 | 19,20 |
| AGE 250 | 250,00 | 244,00 | 19,20 |
| AGE 255 | 255,00 | 249,00 | 19,20 |
| AGE 260 | 260,00 | 254,00 | 19,20 |
| AGE 265 | 265,00 | 259,00 | 19,20 |
| AGE 270 | 270,00 | 264,00 | 19,20 |
| AGE 275 | 275,00 | 269,00 | 19,20 |
| AGE 280 | 280,00 | 274,00 | 19,20 |
| AGE 285 | 285,00 | 279,00 | 19,20 |
| AGE 290 | 290,00 | 284,00 | 19,20 |
| AGE 295 | 295,00 | 289,00 | 19,20 |
| AGE 300 | 300,00 | 294,00 | 19,20 |

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# AFI
# AFE

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| **Versión standar** | ***Standard version*** |
|---|---|
| Fenólico | *Phenolic* |

| **Carga radial ESTATICA hasta / *STATIC Radial Load up to*** |
|---|
| 270 N/mm$^2$ |

| **Carga radial DINAMICA hasta / *DYNAMIC Radial Load up to*** |
|---|
| 80 N/mm$^2$ |

| **Velocidad hasta / *Speed up to*** |
|---|
| 1 m/s |

| **Temperatura / *Temperature*** |
|---|
| -40°C +120°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros de minería<br>Hidráulica móvil<br>Prensas<br>Excavadoras | *Mining cylinders*<br>*Mobile hydraulics*<br>*Presses*<br>*Excavators* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# AFI • AFE

230÷234



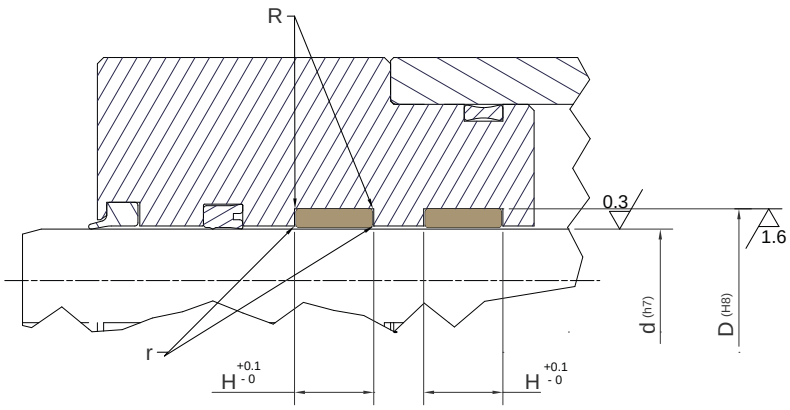
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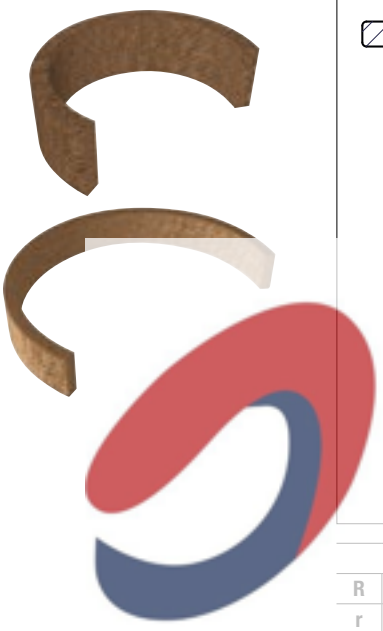
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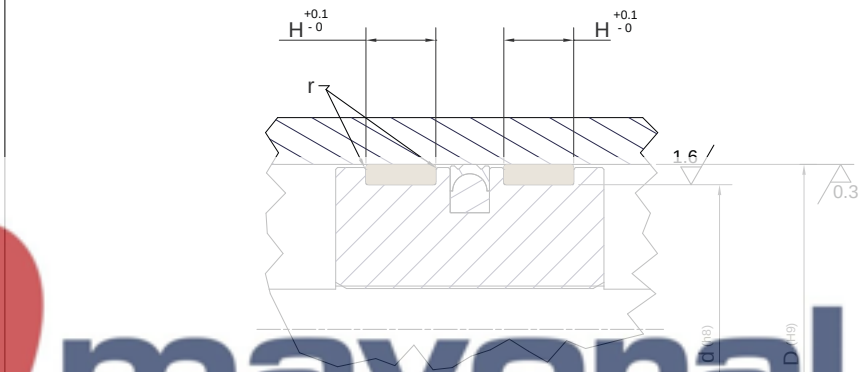
# AFI
# AFE

AFI




AFE






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Wear Ring design guidelines

| | |
|---|---|
| R | r ≤ 0.8 mm |
| r | r ≤ 0.2 mm |

Roughness- Ra

| | |
|---|---|
| **Sliding Surface** | Ra < 0.3 µm |
| **Groove Base** | Ra < 1.6 µm |
| **Groove Flanks** | Ra < 1.6 µm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | d | D | H |
| **AFI AFE 20 25 9.7** | 20,00 | 25,00 | 9,70 |
| **AFI AFE 25 30 9.7** | 25,00 | 37,00 | 9,70 |
| **AFI AFE 27 32 9.7** | 27,00 | 32,00 | 9,70 |
| **AFI AFE 30 35 9.7** | 30,00 | 35,00 | 9,70 |
| **AFI AFE 35 40 9.7** | 35,00 | 40,00 | 9,70 |
| **AFI AFE 36 41 9.7** | 36,00 | 41,00 | 9,70 |
| **AFI AFE 37 42 9.7** | 37,00 | 42,00 | 9,70 |
| **AFI AFE 40 45 9.7** | 40,00 | 45,00 | 9,70 |
| **AFI AFE 45 50 9.7** | 45,00 | 50,00 | 9,70 |
| **AFI AFE 50 55 9.7** | 50,00 | 55,00 | 9,70 |
| **AFI AFE 55 60 9.7** | 55,00 | 60,00 | 9,70 |
| **AFI AFE 56 61 9.7** | 56,00 | 61,00 | 9,70 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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# AFI
# AFE

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | d | D | H |
| AFI AFE 58 63 9.7 | 58,00 | 63,00 | 9,70 |
| AFI AFE 60 65 9.7 | 60,00 | 65,00 | 9,70 |
| AFI AFE 63 68 9.7 | 63,00 | 68,00 | 9,70 |
| AFI AFE 65 70 9.7 | 65,00 | 70,00 | 9,70 |
| AFI AFE 70 75 9.7 | 70,00 | 75,00 | 9,70 |
| AFI AFE 75 80 9.7 | 75,00 | 80,00 | 9,70 |
| AFI AFE 80 85 9.7 | 80,00 | 85,00 | 9,70 |
| AFI AFE 85 90 9.7 | 85,00 | 90,00 | 9,70 |
| AFI AFE 90 95 9.7 | 90,00 | 95,00 | 9,70 |
| AFI AFE 95 100 9.7 | 95,00 | 100,00 | 9,70 |
| AFI AFE 100 105 9.7 | 100,00 | 105,00 | 9,70 |
| AFI AFE 105 110 9.7 | 105,00 | 110,00 | 9,70 |
| AFI AFE 110 115 9.7 | 110,00 | 115,00 | 9,70 |
| AFI AFE 115 120 9.7 | 115,00 | 120,00 | 9,70 |
| AFI AFE 120 125 9.7 | 120,00 | 125,00 | 9,70 |
| AFI AFE 125 130 9.7 | 125,00 | 130,00 | 9,70 |
| AFI AFE 130 135 9.7 | 130,00 | 135,00 | 9,70 |
| AFI AFE 135 140 9.7 | 135,00 | 140,00 | 9,70 |
| AFI AFE 140 145 9.7 | 140,00 | 145,00 | 9,70 |
| AFI AFE 145 150 9.7 | 145,00 | 150,00 | 9,70 |
| AFI AFE 150 155 9.7 | 150,00 | 155,00 | 9,70 |
| AFI AFE 155 160 9.7 | 155,00 | 160,00 | 9,70 |
| AFI AFE 160 165 9.7 | 160,00 | 165,00 | 9,70 |
| AFI AFE 170 175 9.7 | 170,00 | 175,00 | 9,70 |
| AFI AFE 175 180 9.7 | 175,00 | 180,00 | 9,70 |
| AFI AFE 180 185 9.7 | 180,00 | 185,00 | 9,70 |
| AFI AFE 185 190 9.7 | 185,00 | 190,00 | 9,70 |
| AFI AFE 195 200 9.7 | 195,00 | 200,00 | 9,70 |
| | | | |
| AFI AFE 36 41 15 | 36,00 | 41,00 | 15,00 |
| AFI AFE 40 45 15 | 40,00 | 45,00 | 15,00 |
| AFI AFE 45 50 15 | 45,00 | 50,00 | 12,00 |
| AFI AFE 50 55 15 | 50,00 | 55,00 | 15,00 |
| AFI AFE 55 60 15 | 55,00 | 60,00 | 15,00 |
| AFI AFE 58 63 15 | 58,00 | 63,00 | 15,00 |
| AFI AFE 60 65 15 | 60,00 | 65,00 | 15,00 |
| AFI AFE 65 70 15 | 65,00 | 70,00 | 15,00 |
| AFI AFE 70 75 15 | 70,00 | 75,00 | 15,00 |
| AFI AFE 75 80 15 | 75,00 | 80,00 | 15,00 |
| AFI AFE 80 85 15 | 80,00 | 85,00 | 15,00 |
| AFI AFE 85 90 15 | 85,00 | 90,00 | 15,00 |
| AFI AFE 90 95 15 | 90,00 | 95,00 | 15,00 |
| AFI AFE 95 100 15 | 95,00 | 100,00 | 15,00 |
| AFI AFE 100 105 15 | 100,00 | 105,00 | 15,00 |
| AFI AFE 105 110 15 | 105,00 | 110,00 | 15,00 |
| AFI AFE 110 115 15 | 110,00 | 115,00 | 15,00 |
| AFI AFE 115 120 15 | 115,00 | 120,00 | 15,00 |
| AFI AFE 120 125 15 | 120,00 | 125,00 | 15,00 |
| AFI AFE 125 130 15 | 125,00 | 130,00 | 15,00 |
| AFI AFE 130 135 15 | 130,00 | 135,00 | 15,00 |
| AFI AFE 135 140 15 | 135,00 | 140,00 | 15,00 |
| AFI AFE 140 145 15 | 140,00 | 145,00 | 15,00 |



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# AFI
# AFE

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | d | D | H |
| **AFI AFE 145 150 15** | 145,00 | 150,00 | 15,00 |
| **AFI AFE 150 155 15** | 150,00 | 155,00 | 15,00 |
| **AFI AFE 155 160 15** | 155,00 | 160,00 | 15,00 |
| **AFI AFE 160 165 15** | 160,00 | 165,00 | 15,00 |
| **AFI AFE 165 170 15** | 165,00 | 170,00 | 15,00 |
| **AFI AFE 170 175 15** | 170,00 | 175,00 | 15,00 |
| **AFI AFE 175 180 15** | 175,00 | 180,00 | 15,00 |
| **AFI AFE 180 185 15** | 180,00 | 185,00 | 15,00 |
| **AFI AFE 185 190 15** | 185,00 | 190,00 | 15,00 |
| **AFI AFE 190 195 15** | 190,00 | 195,00 | 15,00 |
| **AFI AFE 195 200 15** | 195,00 | 200,00 | 15,00 |
| **AFI AFE 200 205 15** | 200,00 | 205,00 | 15,00 |



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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*


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# TEF/SEAL TF

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| **Versión standar** | ***Standard version*** |
|---|---|
| PTFE carga de bronce | *Bronze filled PTFE* |

| **Carga radial ESTATICA hasta / *STATIC Radial Load up to*** |
|---|
| 25 N/mm$^2$ |

| **Carga radial DINAMICA hasta / *DYNAMIC Radial Load up to*** |
|---|
| 15 N/mm$^2$ |

| **Velocidad hasta / *Speed up to*** |
|---|
| ⩽5,0 m/s |

| **Temperatura / *Temperature*** |
|---|
| -40°C +200°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Hidráulica móvil<br>Prensas<br>Excavadoras | *Mobile hydraulics*<br>*Presses*<br>*Excavators* |



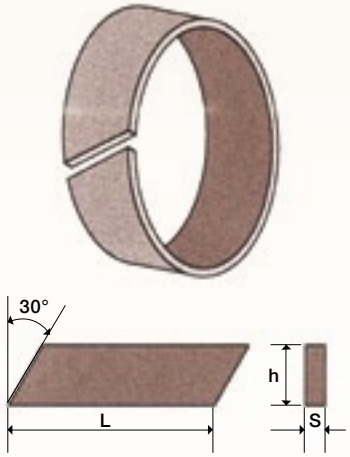
Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# TEF/SEAL • TF

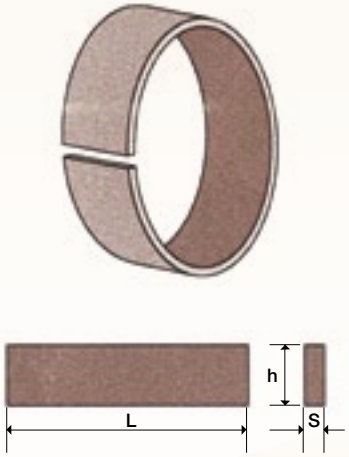
236÷239

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**VÁSTAGO . *ROD***
L = π (d+S) - 0,8




**PISTÓN . *PISTON***
L = π (D-S) - 0,8

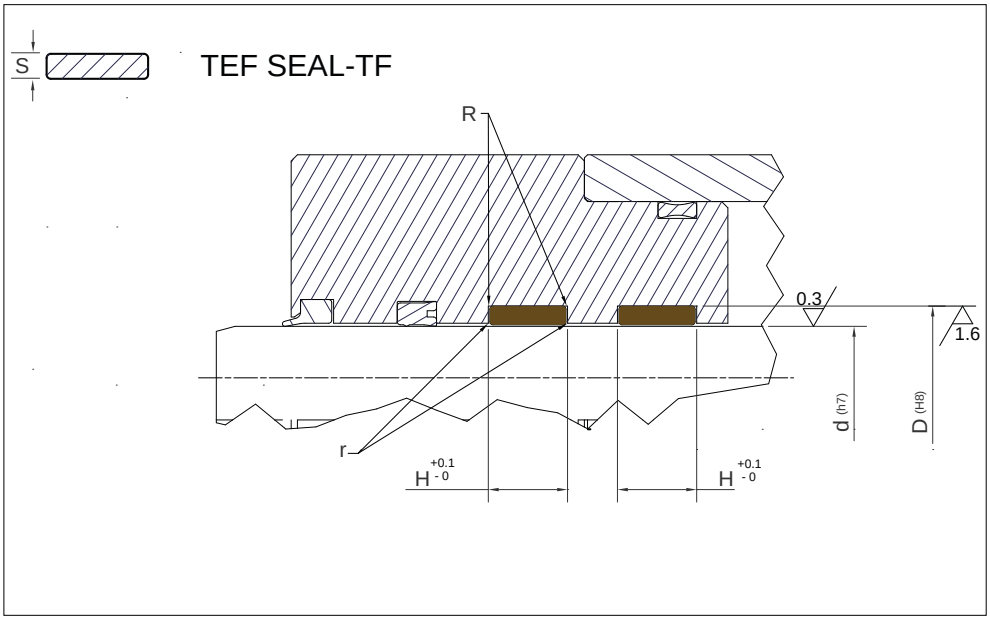


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# TEF SEAL TF









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| Wear Ring design guidelines | |
|---|---|
| R | R ≤ 0.3 mm |
| r | r ≤ 0.2 mm |

| Roughness- Ra | |
|---|---|
| Sliding Surface | Ra < 0.3 µm |
| Groove Base | Ra < 1.6 µm |
| Groove Flanks | Ra < 1.6 µm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | H | h | S |
| TF 03-3215 | 3,20 | 3,00 | 1,50 |
| TF 03-6315 | 6,30 | 6,10 | 1,50 |
| TF 03-15015 | 15,00 | 14,80 | 1,50 |
| TF 03-20015 | 20,00 | 19,70 | 1,50 |
| TF 03-25015 | 25,00 | 24,70 | 1,50 |
| TF 03-4220 | 4,20 | 4,00 | 2,00 |
| TF 03-6320 | 6,30 | 6,10 | 2,00 |
| TF 03-8120 | 8,10 | 7,90 | 2,00 |
| TF 03-9720 | 9,70 | 9,50 | 2,00 |
| TF 03-12020 | 12,00 | 11,70 | 2,00 |
| TF 03-15020 | 15,00 | 14,80 | 2,00 |
| TF 03-20020 | 20,00 | 19,70 | 2,00 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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# TEF SEAL TF

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | H | h | S |
| TF 03-25020 | 25,00 | 24,70 | 2,00 |
| TF 03-30020 | 30,00 | 29,70 | 2,00 |
| TF 03-4225 | 4,20 | 4,00 | 2,50 |
| TF 03-6325 | 6,30 | 6,10 | 2,50 |
| TF 03-8125 | 8,10 | 7,90 | 2,50 |
| TF 03-9725 | 9,70 | 9,50 | 2,50 |
| TF 03-12025 | 12,00 | 11,70 | 2,50 |
| TF 03-15025 | 15,00 | 14,70 | 2,50 |
| TF 03-20025 | 20,00 | 19,70 | 2,50 |
| TF 03-25025 | 25,00 | 24,70 | 2,50 |
| TF 03-30025 | 30,00 | 29,50 | 2,50 |
| TF 03-9630 | 9,60 | 9,50 | 3,00 |
| TF 03-12830 | 12,80 | 12,50 | 3,00 |
| TF 03-19230 | 19,20 | 18,90 | 3,00 |
| TF 03-20030 | 20,00 | 19,70 | 3,00 |
| TF 03-25030 | 25,00 | 24,70 | 3,00 |
| TF 03-30030 | 30,00 | 29,50 | 3,00 |
| TF 03-35030 | 35,00 | 34,50 | 3,00 |
| TF 03-40030 | 40,00 | 39,50 | 3,00 |

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| PERFIL *PROFILE* | TIPO *SEAL TYPE* | MPa | temp. °C | MATERIAL *MATERIAL* | light | medium | heavy | página *page* |
|---|---|---|---|---|---|---|---|---|
| INTERIOR | | | | | | | | |
|  | **GHM** | - | -30 +110 | NBR | • | • • | | 242÷246 |
|  | **GHK** | - | -35 +100 | Poliuretano *Polyurethane* | • | • • | | 248÷253 |
|  | **GHY** | - | -35 +100 | Poliuretano *Polyurethane* | • | • • | | 254÷257 |
|  | **GHW** | - | -35 +100 | Poliuretano *Polyurethane* | • | • • | • • • | 258÷261 |
|  | **GPA** | - | -35 +100 | Poliuretano + Metal *Polyurethane + Metal* | | • • | • • • | 262÷265 |
|  | **GHP** | - | -35 +100 | Poliuretano *Polyurethane* | • | • • | | 266÷269 |
|  | **GPW** | - | -35 +100 | Poliuretano *Polyurethane* | • | • • | | 270÷273 |
|  | **GWH*** | | | | | | | |
|  | **GHF** | - | -30 +130 | PTFE con carga + NBR *PTFE reinforced + NBR* | | | • • • | 274÷277 |
|  | **GHX** | - | -30 +130 | PTFE con carga + NBR *PTFE reinforced + NBR* | | | • • • | 278÷281 |
|  | **GHH** | - | -50 +140 | TPE *Thermoplastic* | | • • | • • • | 282÷285 |
| EXTERIOR | | | | | | | | |
|  | **GGW** | - | -35 +100 | Poliuretano *Polyurethane* | • | • • | • • • | 286÷288 |

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*Para dimensiones diferentes de las listadas, rogamos consulten.
**For special applications, Please contact us.*

JUNTAS BESMA, S.A.




# RASCADORES

## WIPERS



# GHM

**RASCADORES**
**WIPERS**

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| **Versión standar** | ***Standard version*** |
|---|---|
| NBR | *NBR* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| NBR FKM | *NBR FKM* |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.8 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -30°C +110°C | -20°C +200°C FKM |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Máquinas mecánicas manuales<br>Máquinas para agricultura<br>Vehículos hidráulicos | *Handling Equipment*<br>*Agricultural Machinery*<br>*Tail Lifts* |

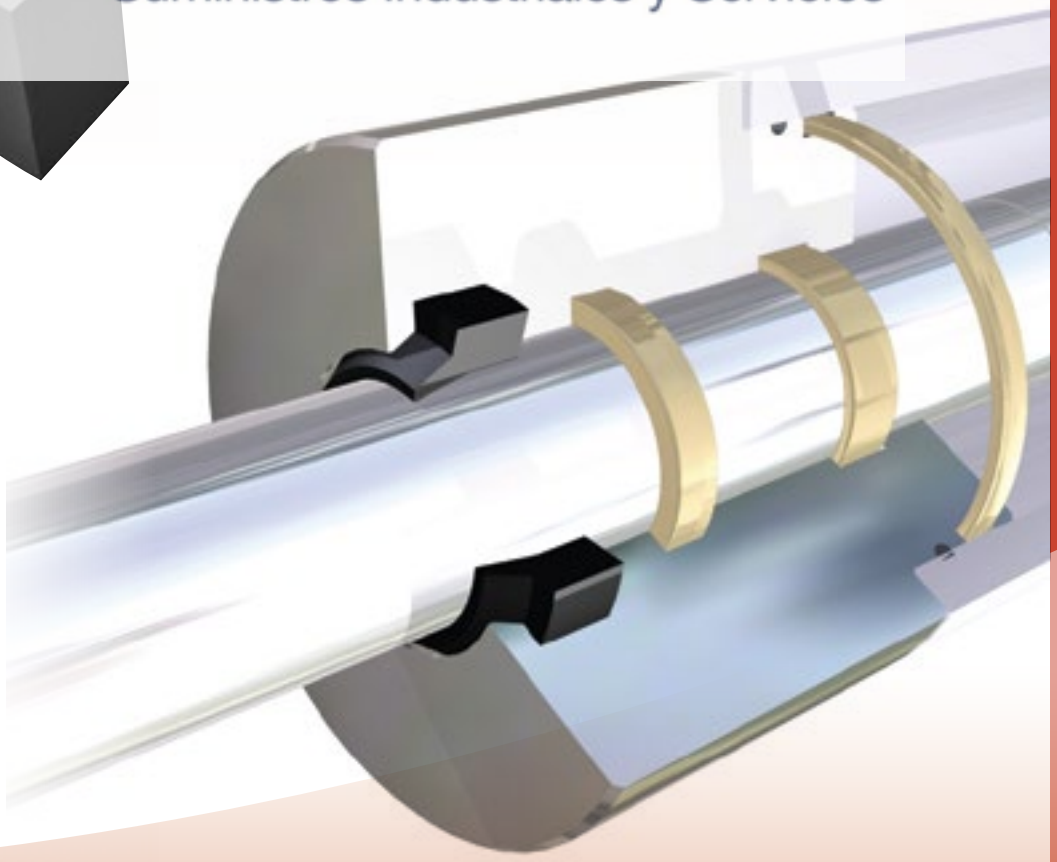


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GHM

242÷246

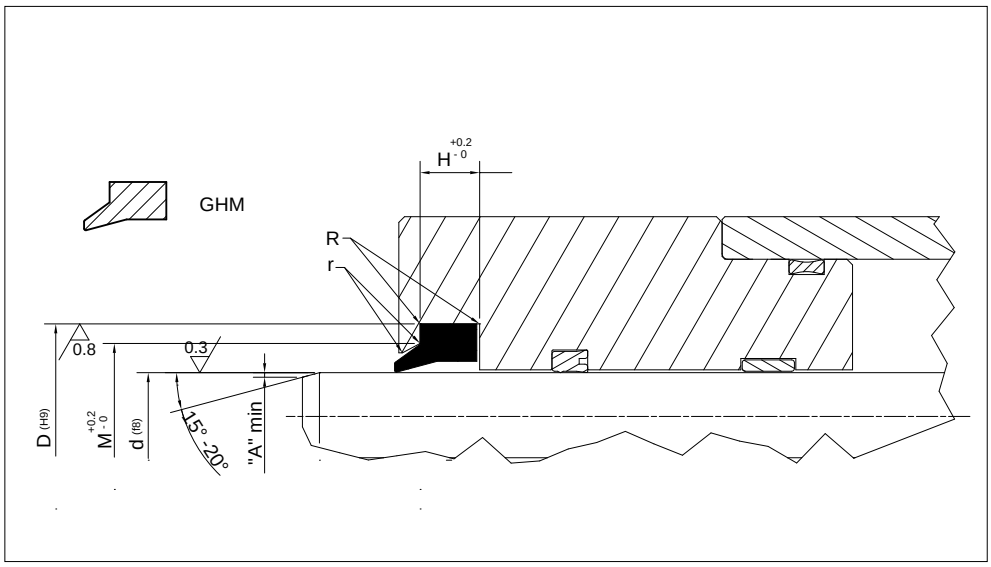
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RASCADORES
WIPERS

# GHM






| Design wipers guidelines | | | |
|---|---|---|---|
| **R** | R ≤ 0.5 mm | | |
| **r** | r ≤ 0.3 mm | | |
| **A** | **D≤ 70mm** | **D≥70mm** | |
| | 4 mm | 6 mm | |

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | M |
| GHM 300 | 047070 | 12,00 | 18,60 | 3,80 | 15,00 |
| GHM 301 | 051074 | 13,00 | 19,60 | 3,80 | 16,00 |
| GHM 302 | 059082 | 15,00 | 21,60 | 3,80 | 18,00 |
| GHM 302/1 | 062087 | 16,00 | 22,60 | 3,80 | 19,00 |
| GHM 302/2 | 062094 | 16,00 | 24,60 | 3,80 | 19,00 |
| GHM 303 | 066094 | 17,00 | 23,60 | 3,80 | 20,00 |
| GHM 304 | 070094 | 18,00 | 24,60 | 3,80 | 21,00 |
| **GHM 305** | **074110** | 19,00 | 28,60 | 5,30 | 22,00 |
| **GHM 306** | **078110** | 20,00 | 28,60 | 5,30 | 23,00 |
| **GHM 307** | **086118** | 22,00 | 30,60 | 5,30 | 25,00 |
| **GHM 307/1** | **094125** | 24,00 | 32,60 | 5,30 | 27,00 |
| **GHM 308** | **098129** | 25,00 | 33,60 | 5,30 | 28,00 |
| **GHM 309** | **102133** | 26,00 | 34,60 | 5,30 | 29,00 |
| **GHM 309/1** | **106137** | 27,00 | 35,60 | 5,30 | 30,00 |
| **GHM 310** | **110141** | 28,00 | 36,60 | 5,30 | 31,00 |
| **GHM 311** | **118149** | 30,00 | 38,60 | 5,30 | 33,00 |
| **GHM 312** | **125157** | 32,00 | 40,60 | 5,30 | 35,00 |
| **GHM 312/1** | **129161** | 33,00 | 41,60 | 5,30 | 36,00 |
| **GHM 313** | **137169** | 35,00 | 43,60 | 5,30 | 38,00 |
| **GHM 314** | **141173** | 36,00 | 44,60 | 5,30 | 39,00 |
| **GHM 315** | **149181** | 38,00 | 46,60 | 5,30 | 41,00 |
| **GHM 316** | **157188** | 40,00 | 48,60 | 5,30 | 43,00 |
| **GHM 317** | **165196** | 42,00 | 50,60 | 5,30 | 45,00 |
| **GHM 318** | **177208** | 45,00 | 53,60 | 5,30 | 48,00 |
| **GHM 319** | **177216** | 45,00 | 55,60 | 5,30 | 49,00 |
| **GHM 320** | **181212** | 46,00 | 54,60 | 5,30 | 49,00 |
| **GHM 321** | **188220** | 48,00 | 56,60 | 5,30 | 51,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOLEO

RASCADORES
WIPERS

# GHM

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | M |
| GHM 322 | 196228 | 50,00 | 58,60 | 5,30 | 53,00 |
| GHM 323 | 196236 | 50,00 | 60,60 | 5,30 | 54,00 |
| GHM 324 | 208240 | 53,00 | 61,60 | 5,30 | 56,00 |
| GHM 325 | 216248 | 55,00 | 63,60 | 5,30 | 58,00 |
| GHM 326 | 216255 | 55,00 | 65,60 | 5,30 | 59,00 |
| GHM 326/1 | 220251 | 56,00 | 64,60 | 5,30 | 59,00 |
| GHM 327 | 220259 | 56,00 | 66,60 | 5,30 | 59,00 |
| GHM 328 | 236267 | 60,00 | 68,60 | 5,30 | 63,00 |
| GHM 329 | 236275 | 60,00 | 70,60 | 5,30 | 63,00 |
| GHM 329/1 | 240271 | 61,00 | 69,00 | 5,30 | 64,00 |
| GHM 330 | 248279 | 63,00 | 71,60 | 5,30 | 66,00 |
| GHM 331 | 248287 | 63,00 | 73,60 | 5,30 | 67,00 |
| GHM 332 | 255287 | 65,00 | 73,60 | 5,30 | 68,00 |
| GHM 333 | 255295 | 65,00 | 75,60 | 5,30 | 69,00 |
| GHM 334 | 275307 | 70,00 | 78,60 | 5,30 | 73,00 |
| GHM 335 | 275314 | 70,00 | 80,60 | 5,30 | 73,00 |
| GHM 336 | 275322 | 70,00 | 82,60 | 7,10 | 76,00 |
| GHM 337 | 295326 | 75,00 | 83,60 | 5,30 | 78,00 |
| GHM 338 | 295345 | 75,00 | 87,20 | 7,10 | 81,00 |
| GHM 338/1 | 301348 | 76,50 | 88,70 | 7,10 | 82,50 |
| GHM 339 | 314346 | 80,00 | 88,60 | 5,30 | 83,00 |
| GHM 340 | 314362 | 80,00 | 92,20 | 7,10 | 86,00 |
| GHM 340/1 | 334366 | 85,00 | 93,60 | 5,30 | 88,00 |
| GHM 341 | 334381 | 85,00 | 97,20 | 7,10 | 91,00 |
| GHM 341/1 | 354385 | 90,00 | 98,60 | 5,30 | 93,00 |
| GHM 342 | 354401 | 90,00 | 102,20 | 7,10 | 96,00 |
| GHM 343 | 374421 | 95,00 | 107,20 | 7,10 | 101,00 |
| GHM 343/1 | 380437 | 96,50 | 111,00 | 7,10 | 104,00 |
| GHM 343/2 | 393425 | 100,00 | 108,60 | 5,30 | 103,00 |
| GHM 344 | 393440 | 100,00 | 112,20 | 7,10 | 106,00 |
| GHM 345 | 413460 | 105,00 | 117,20 | 7,10 | 111,00 |
| GHM 346 | 433480 | 110,00 | 122,20 | 7,10 | 116,00 |
| GHM 347 | 452500 | 115,00 | 127,20 | 7,10 | 121,00 |
| GHM 347/1 | 472504 | 120,00 | 128,60 | 5,30 | 123,00 |
| GHM 348 | 472519 | 120,00 | 132,20 | 7,10 | 126,00 |
| GHM 348/1 | 481511 | 122,00 | 130,20 | 5,30 | 126,00 |
| GHM 349 | 492539 | 125,00 | 137,20 | 7,10 | 131,00 |
| GHM 350 | 492551 | 125,00 | 140,20 | 10,10 | 132,60 |
| GHM 351 | 511559 | 130,00 | 142,20 | 7,10 | 136,00 |
| GHM 352 | 531578 | 135,00 | 147,20 | 7,10 | 141,00 |
| GHM 353 | 551598 | 140,00 | 152,20 | 7,10 | 146,00 |
| GHM 354 | 551610 | 140,00 | 155,20 | 10,10 | 147,00 |
| GHM 354/1 | 570602 | 145,00 | 153,20 | 5,30 | 149,00 |
| GHM 355 | 570618 | 145,00 | 157,20 | 7,10 | 151,00 |
| GHM 355/1 | 570629 | 145,00 | 160,60 | 9,00 | 152,50 |
| GHM 355/2 | 590622 | 150,00 | 158,60 | 5,30 | 154,00 |
| GHM 355/3 | 575606 | 146,00 | 154,20 | 5,30 | 150,00 |
| GHM 356 | 590637 | 150,00 | 162,20 | 7,10 | 156,00 |
| GHM 357 | 590649 | 150,00 | 165,20 | 10,10 | 157,60 |
| GHM 357/1 | 629661 | 160,00 | 168,20 | 5,30 | 164,00 |
| GHM 358 | 629688 | 160,00 | 175,20 | 10,10 | 168,00 |
| GHM 358/4 | 649688 | 165,00 | 173,20 | 5,30 | 169,00 |

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RASCADORES
WIPERS

# GHM



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | M |
| GHM 358/5 | 649708 | 165,00 | 180,20 | 10,10 | 172,50 |
| GHM 358/6 | 669701 | 170,00 | 178,20 | 5,30 | 174,00 |
| GHM 358/1 | 669728 | 170,00 | 185,20 | 10,10 | 178,00 |
| GHM 358/2 | 688748 | 175,00 | 190,00 | 7,00 | 182,60 |
| GHM 358/3 | 708767 | 180,00 | 195,20 | 10,10 | 188,00 |
| GHM 359 | 708787 | 180,00 | 200,20 | 10,20 | 190,00 |
| GHM 359/1 | 748826 | 190,00 | 210,00 | 10,20 | 199,00 |
| GHM 359/2 | 787847 | 200,00 | 215,00 | 10,00 | 207,00 |
| GHM 359/3 | 826866 | 210,00 | 220,00 | 10,00 | 215,00 |
| GHM 360 | 787866 | 200,00 | 220,20 | 10,20 | 210,00 |
| GHM 360/1 | 826905 | 210,00 | 230,00 | 10,20 | 220,00 |
| GHM 361 | 866944 | 220,00 | 240,00 | 10,20 | 230,00 |
| GHM 361/2 | 886944 | 225,00 | 240,00 | 10,20 | 232,50 |
| GHM 361/1 | 886964 | 225,00 | 245,00 | 10,20 | 236,00 |
| GHM 362 | 905984 | 230,00 | 250,00 | 10,20 | 240,00 |
| GHM 362/1 | 9441024 | 240,00 | 260,00 | 10,20 | 250,00 |
| GHM 363 | 9841062 | 250,00 | 270,00 | 10,20 | 260,00 |
| GHM 364 | 10241102 | 260,00 | 280,00 | 10,20 | 270,00 |
| GHM 365 | 10621141 | 270,00 | 290,00 | 10,20 | 280,00 |
| GHM 365/1 | 11021181 | 280,00 | 300,00 | 10,20 | 290,00 |
| GHM 365/2 | 11811240 | 300,00 | 315,00 | 7,10 | 307,50 |
| GHM 366 | 11811259 | 300,00 | 320,00 | 10,20 | 310,00 |
| GHM 367 | 12201299 | 310,00 | 330,00 | 10,20 | 320,00 |
| GHM 368 | 12591338 | 320,00 | 340,00 | 10,20 | 330,00 |
| GHM 368/1 | 13381417 | 340,00 | 360,00 | 10,20 | 350,00 |
| GHM 369 | 14171496 | 360,00 | 380,00 | 10,20 | 370,00 |
| GHM 369/1 | 14961614 | 380,00 | 410,00 | 15,20 | 395,00 |
| GHM 370 | 15741653 | 400,00 | 420,00 | 10,20 | 410,00 |
| GHM 370/3 | 16531732 | 420,00 | 440,00 | 12,20 | 430,00 |
| GHM 370/1 | 17321843 | 440,00 | 470,00 | 10,20 | 455,00 |
| GHM 370/2 | 17501900 | 444,50 | 482,60 | 15,90 | 467,00 |
| GHM 371 | 17711843 | 450,00 | 470,00 | 10,20 | 460,00 |
| GHM 371/2 | 18431968 | 470,00 | 500,00 | 15,20 | 485,00 |
| GHM 371/1 | 19682047 | 500,00 | 520,00 | 10,20 | 510,00 |
| GHM 372 | 19882066 | 505,00 | 525,00 | 10,20 | 515,00 |
| GHM 372/1 | 20862165 | 530,00 | 550,00 | 10,20 | 540,00 |
| GHM 372/2 | 22432323 | 570,00 | 590,00 | 10,20 | 580,00 |
| GHM 373 | 23622440 | 600,00 | 620,00 | 10,20 | 610,00 |
| GHM 374 | 25192598 | 640,00 | 660,00 | 10,20 | 650,00 |
| GHM 375 | 25582638 | 650,00 | 670,00 | 10,20 | 660,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*


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# GHK

**RASCADORES**
**WIPERS**

TECNOLAN

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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano<br>disponible en color azul o negro | *Polyurethane*<br>*available in Blue or Black colour* |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.8 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Máquinas mecánicas manuales<br>Máquinas para agricultura<br>Cizallas hidráulicas | *Handling Equipment*<br>*Agricultural Machinery*<br>*Tail Lifts* |

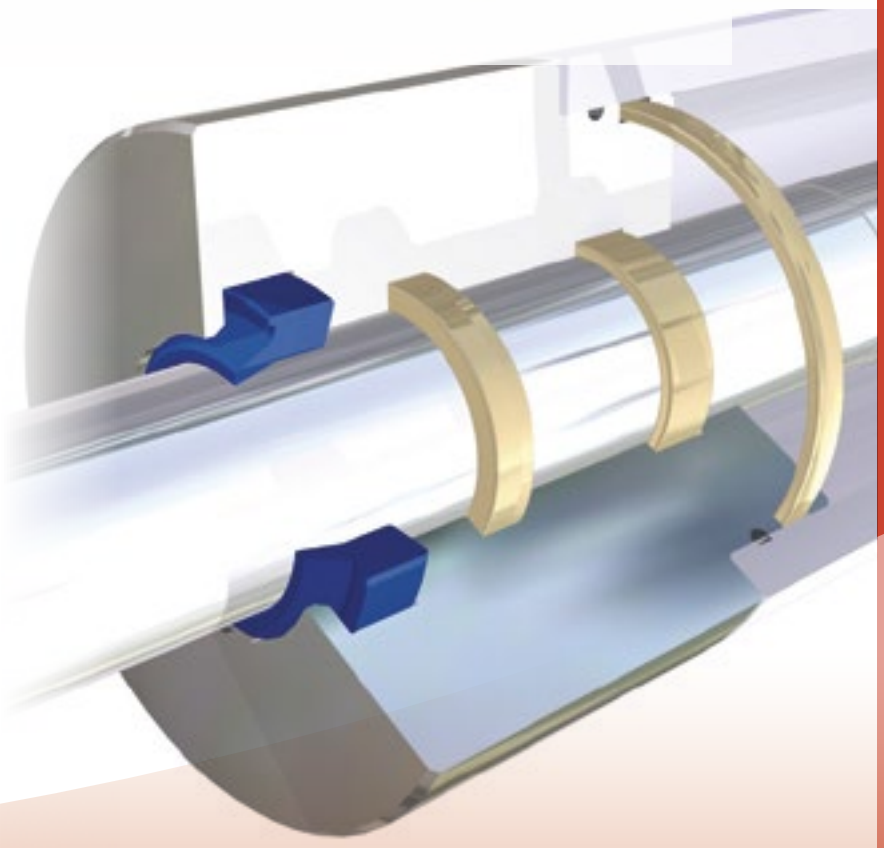


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GHK

248÷253

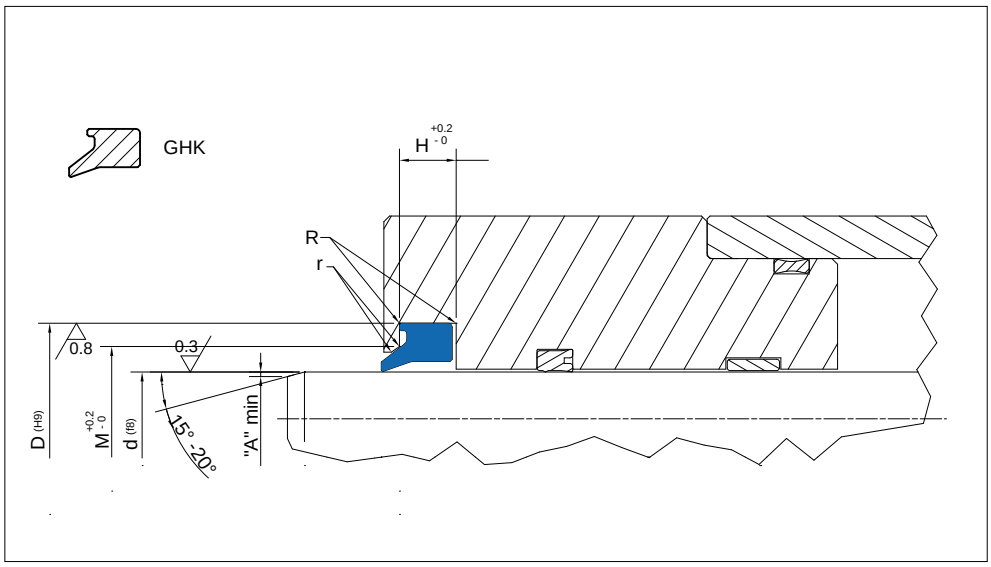
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TECNOLAN

RASCADORES
WIPERS

# GHK






| Design wipers guidelines | | |
|---|---|---|
| **R** | R ≤ 0.5 mm | |
| **r** | r ≤ 0.3 mm | |
| **A** | **D≤ 70mm** | **D≥70mm** |
| | 4 mm | 6 mm |

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Suministros Industriales y Servicios

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | M |
| GHK 300 | 047070 | 12,00 | 18,60 | 3,80 | 15,00 |
| GHK 300/1 | 047063 | 12,00 | 16,60 | 3,00 | 14,00 |
| GHK 300/2 | 039055 | 10,00 | 14,60 | 2,00 | 12,00 |
| GHK 301 | 051074 | 13,00 | 19,60 | 3,80 | 16,00 |
| GHK 301/1 | 056078 | 14,00 | 20,60 | 3,80 | 17,00 |
| GHK 302 | 059082 | 15,00 | 21,60 | 3,80 | 18,00 |
| GHK 302/1 | 062087 | 16,00 | 22,60 | 3,80 | 19,00 |
| **GHK 302/2** | **062087/1** | 16,00 | 22,60 | 2,70 | 19,00 |
| **GHK 303** | **066094** | 17,00 | 23,60 | 3,80 | 20,00 |
| **GHK 304** | **070094** | 18,00 | 24,60 | 3,80 | 21,00 |
| **GHK 305** | **074110** | 19,00 | 28,60 | 5,30 | 22,00 |
| **GHK 305/1** | **078102** | 20,00 | 26,60 | 3,40 | 23,00 |
| **GHK 306** | **078110** | 20,00 | 28,60 | 5,30 | 23,00 |
| **GHK 306/1** | **086106** | 22,00 | 27,60 | 2,50 | 24,50 |
| **GHK 307** | **086118** | 22,00 | 30,60 | 5,30 | 25,00 |
| **GHK 307/1** | **094125** | 24,00 | 32,60 | 5,30 | 27,00 |
| **GHK 308** | **098129** | 25,00 | 33,60 | 5,30 | 28,00 |
| **GHK 309** | **102133** | 26,00 | 34,60 | 5,30 | 29,00 |
| **GHK 309/1** | **106137** | 27,00 | 35,60 | 5,30 | 30,00 |
| **GHK 310** | **110141** | 28,00 | 36,60 | 5,30 | 31,00 |
| **GHK 310/1** | **118141** | 30,00 | 36,60 | 4,20 | 32,00 |
| **GHK 311** | **118149** | 30,00 | 38,60 | 5,30 | 33,00 |
| **GHK 312** | **125157** | 32,00 | 40,60 | 5,30 | 35,00 |
| **GHK 312/1** | **129161** | 33,00 | 41,60 | 5,30 | 36,00 |
| **GHK 313** | **137169** | 35,00 | 43,60 | 5,30 | 38,00 |
| **GHK 314** | **141173** | 36,00 | 44,60 | 5,30 | 39,00 |
| **GHK 315** | **149181** | 38,00 | 46,60 | 5,30 | 41,00 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOLAN

RASCADORES
WIPERS

# GHK

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | M |
| GHK 315/1 | 157174 | 40,00 | 44,80 | 5,30 | 42,00 |
| GHK 316 | 157188 | 40,00 | 48,60 | 5,30 | 43,00 |
| GHK 316/1 | 157196 | 40,00 | 50,60 | 5,30 | 44,00 |
| GHK 317 | 165196 | 42,00 | 50,60 | 5,30 | 45,00 |
| GHK 318 | 177208 | 45,00 | 53,60 | 5,30 | 48,00 |
| GHK 319 | 177216 | 45,00 | 55,60 | 5,30 | 48,00 |
| GHK 320 | 181212 | 46,00 | 54,60 | 5,30 | 49,00 |
| GHK 320/1 | 185216 | 47,00 | 55,60 | 5,30 | 50,00 |
| GHK 321 | 188220 | 48,00 | 56,60 | 5,30 | 51,00 |
| GHK 321/1 | 188236 | 48,00 | 60,60 | 5,30 | 54,00 |
| GHK 322 | 196228 | 50,00 | 58,60 | 5,30 | 53,00 |
| GHK 323 | 196236 | 50,00 | 60,60 | 5,30 | 54,00 |
| GHK 324 | 208240 | 53,00 | 61,60 | 5,30 | 56,00 |
| GHK 325 | 216248 | 55,00 | 63,60 | 5,30 | 58,00 |
| GHK 326 | 216255 | 55,00 | 65,60 | 5,30 | 59,00 |
| GHK 327 | 220251 | 56,00 | 64,60 | 5,30 | 59,00 |
| GHK 327/1 | 220259 | 56,00 | 66,60 | 5,30 | 60,00 |
| GHK 328 | 236267 | 60,00 | 68,60 | 5,30 | 63,00 |
| GHK 329 | 236275 | 60,00 | 70,60 | 5,30 | 63,00 |
| GHK 329/2 | 236278 | 60,50 | 69,50 | 5,30 | 63,50 |
| GHK 329/1 | 240279 | 61,00 | 69,60 | 5,30 | 64,00 |
| GHK 330 | 248279 | 63,00 | 71,60 | 5,30 | 66,00 |
| GHK 331 | 248287 | 63,00 | 73,60 | 5,30 | 67,00 |
| GHK 331/1 | 248287/1 | 63,00 | 73,60 | 6,10 | 67,00 |
| GHK 331/2 | 248295 | 63,00 | 75,60 | 5,30 | 69,00 |
| GHK 332 | 255287 | 65,00 | 73,60 | 5,30 | 68,00 |
| GHK 333 | 255295 | 65,00 | 75,60 | 5,30 | 69,00 |
| GHK 333/1 | 267299 | 68,00 | 76,00 | 5,30 | 72,00 |
| GHK 334 | 275307 | 70,00 | 78,60 | 5,30 | 73,00 |
| GHK 335 | 275314 | 70,00 | 80,60 | 6,50 | 72,00 |
| GHK 336 | 275322 | 70,00 | 82,60 | 7,10 | 76,00 |
| GHK 337 | 295326 | 75,00 | 83,60 | 5,30 | 78,00 |
| GHK 338 | 295345 | 75,00 | 87,20 | 7,10 | 81,00 |
| GHK 338/1 | 299330 | 76,00 | 84,60 | 5,30 | 79,00 |
| GHK 338/2 | 307338 | 78,00 | 86,60 | 5,30 | 81,00 |
| GHK 338/3 | 309344 | 78,50 | 87,50 | 5,30 | 81,50 |
| GHK 339 | 314346 | 80,00 | 88,60 | 5,30 | 83,00 |
| GHK 339/1 | 314354 | 80,00 | 90,60 | 5,30 | 85,00 |
| GHK 339/2 | 314354/1 | 80,00 | 90,60 | 6,50 | 85,00 |
| GHK 340 | 314362 | 80,00 | 92,20 | 7,10 | 86,00 |
| GHK 340/2 | 326374 | 83,00 | 95,20 | 7,10 | 89,00 |
| GHK 340/1 | 334366 | 85,00 | 93,60 | 5,30 | 88,00 |
| GHK 341 | 334381 | 85,00 | 97,20 | 7,10 | 91,00 |
| GHK 341/2 | 346377 | 88,00 | 96,60 | 5,30 | 91,00 |
| GHK 341/1 | 354385 | 90,00 | 98,60 | 5,30 | 93,00 |
| GHK 342 | 354401 | 90,00 | 102,20 | 7,10 | 96,00 |
| GHK 342/1 | 358389 | 91,00 | 99,60 | 5,30 | 94,00 |
| GHK 343 | 374421 | 95,00 | 107,20 | 7,10 | 101,00 |
| GHK 343/1 | 381413 | 97,00 | 105,60 | 5,30 | 100,00 |
| GHK 343/2 | 381417 | 97,00 | 106,20 | 5,30 | 101,50 |
| GHK 343/3 | 385420 | 98,00 | 107,20 | 5,30 | 102,50 |
| GHK 344 | 393440 | 100,00 | 112,20 | 7,10 | 106,00 |



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# GHK



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | M |
| GHK 344/1 | 393452 | 100,00 | 115,20 | 9,30 | 107,50 |
| GHK 344/2 | 399462 | 101,50 | 117,50 | 7,10 | 109,50 |
| GHK 344/3 | 407470 | 103,50 | 119,50 | 7,10 | 111,50 |
| GHK 344/4 | 413444 | 105,00 | 113,60 | 5,30 | 108,00 |
| GHK 345 | 413460 | 105,00 | 117,20 | 7,10 | 111,00 |
| GHK 345/1 | 413472 | 105,00 | 120,20 | 5,30 | 112,50 |
| GHK 345/2 | 420452 | 107,00 | 115,60 | 5,30 | 110,00 |
| GHK 345/3 | 425472 | 108,00 | 120,20 | 7,10 | 114,00 |
| GHK 346 | 433480 | 110,00 | 122,20 | 7,10 | 116,00 |
| GHK 347 | 452500 | 115,00 | 127,20 | 7,10 | 121,00 |
| GHK 347/3 | 454490 | 115,50 | 124,50 | 5,30 | 120,00 |
| GHK 347/4 | 456492 | 116,00 | 125,20 | 5,30 | 119,00 |
| GHK 347/2 | 464497 | 118,00 | 126,60 | 5,30 | 121,00 |
| GHK 347/1 | 472504 | 120,00 | 128,60 | 5,30 | 123,00 |
| GHK 348 | 472519 | 120,00 | 132,20 | 7,10 | 126,00 |
| GHK 349 | 492539 | 125,00 | 137,20 | 7,10 | 131,00 |
| GHK 350 | 492551 | 125,00 | 140,20 | 10,10 | 132,60 |
| GHK 350/1 | 495529 | 126,00 | 134,60 | 5,30 | 129,00 |
| GHK 351 | 511559 | 130,00 | 142,20 | 7,10 | 136,00 |
| GHK 351/1 | 529564 | 134,50 | 143,50 | 5,30 | 139,00 |
| GHK 351/2 | 531566 | 135,00 | 144,20 | 5,30 | 138,00 |
| GHK 352 | 531578 | 135,00 | 147,20 | 7,10 | 141,00 |
| GHK 352/1 | 551582 | 140,00 | 148,60 | 5,30 | 142,80 |
| GHK 353 | 551598 | 140,00 | 152,20 | 7,10 | 146,00 |
| GHK 354 | 551610 | 140,00 | 155,20 | 10,10 | 147,60 |
| GHK 354/1 | 562596 | 143,00 | 151,60 | 5,30 | 146,00 |
| GHK 354/2 | 570603 | 145,00 | 153,60 | 5,30 | 148,00 |
| GHK 355 | 570618 | 145,00 | 157,20 | 7,10 | 151,00 |
| GHK 355/1 | 578610 | 147,00 | 155,00 | 5,30 | 150,00 |
| GHK 356 | 578627 | 150,00 | 162,20 | 7,10 | 156,00 |
| GHK 357 | 590649 | 150,00 | 165,20 | 10,10 | 157,60 |
| GHK 357/3 | 604639 | 153,50 | 162,50 | 5,30 | 158,00 |
| GHK 357/4 | 606649 | 154,00 | 163,20 | 5,30 | 158,50 |
| GHK 357/1 | 610657 | 155,00 | 167,20 | 7,10 | 161,00 |
| GHK 357/2 | 610664 | 155,00 | 169,20 | 7,10 | 162,00 |
| GHK 357/6 | 629661 | 160,00 | 168,00 | | |
| GHK 357/5 | 629677 | 160,00 | 172,20 | 7,10 | |
| GHK 358 | 629688 | 160,00 | 175,20 | 10,10 | 168,00 |
| GHK 358/12 | 642688 | 163,00 | 175,20 | 7,10 | 171,00 |
| GHK 358/11 | 649681 | 165,00 | 173,60 | 5,30 | 168,00 |
| GHK 358/1 | 649698 | 165,00 | 177,20 | 7,10 | 170,00 |
| GHK 358/6 | 649708 | 165,00 | 180,22 | 10,20 | 173,00 |
| GHK 358/5 | 669700 | 170,00 | 178,00 | 5,30 | 174,00 |
| GHK 358/8 | 669708 | 170,00 | 180,60 | 5,30 | 175,00 |
| GHK 358/2 | 669728 | 170,00 | 185,20 | 10,10 | 178,00 |
| GHK 358/4 | 672707 | 171,00 | 179,60 | 5,30 | 174,00 |
| GHK 358/9 | 679714 | 172,50 | 181,50 | 5,30 | 177,00 |
| GHK 358/10 | 685720 | 174,00 | 183,20 | 5,30 | 178,50 |
| GHK 358/7 | 688744 | 175,00 | 189,20 | 7,10 | 182,00 |
| GHK 358/3 | 708767 | 180,00 | 195,20 | 10,10 | 188,00 |
| GHK 359 | 708787 | 180,00 | 200,20 | 10,20 | 190,00 |
| GHK 359/7 | 736775 | 187,00 | 197,60 | 5,30 | 192,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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RASCADORES
WIPERS

# GHK

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | M |
| **GHK 359/8** | **748807** | 190,00 | 205,20 | 10,10 | 198,00 |
| **GHK 359/1** | **748826** | 190,00 | 210,20 | 10,20 | 200,00 |
| **GHK 359/5** | **759795** | 193,00 | 202,20 | 5,30 | 197,50 |
| **GHK 359/2** | **767826** | 195,00 | 210,20 | 10,20 | 202,50 |
| **GHK 359/6** | **771807** | 196,00 | 205,20 | 5,30 | 200,50 |
| **GHK 359/3** | **771826** | 196,00 | 210,20 | 7,10 | 203,00 |
| **GHK 359/4** | **775822** | 197,00 | 209,20 | 7,10 | 203,00 |
| **GHK 360** | **787866** | 200,00 | 220,20 | 10,20 | 210,00 |
| **GHK 360/1** | **826885** | 210,00 | 225,20 | 7,10 | 217,50 |
| **GHK 360/3** | **844892** | 214,50 | 226,70 | 7,10 | 220,50 |
| **GHK 360/2** | **866925** | 220,00 | 235,20 | 10,20 | 230,00 |
| **GHK 361** | **866944** | 220,00 | 240,00 | 10,20 | 230,00 |
| **GHK 361/2** | **872907** | 221,50 | 233,70 | 7,10 | 227,50 |
| **GHK 361/1** | **874921** | 222,00 | 234,20 | 7,10 | 228,00 |
| **GHK 362** | **9251003** | 235,00 | 255,00 | 10,20 | 245,00 |
| **GHK 363** | **9371015** | 238,00 | 258,20 | 10,20 | 248,00 |

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# GHY

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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano | *Polyurethane* |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.8 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Máquinas mecánicas manuales<br>Máquinas para agricultura<br>Cizallas hidráulicas | *Handling Equipment*<br>*Agricultural Machinery*<br>*Tail Lifts* |

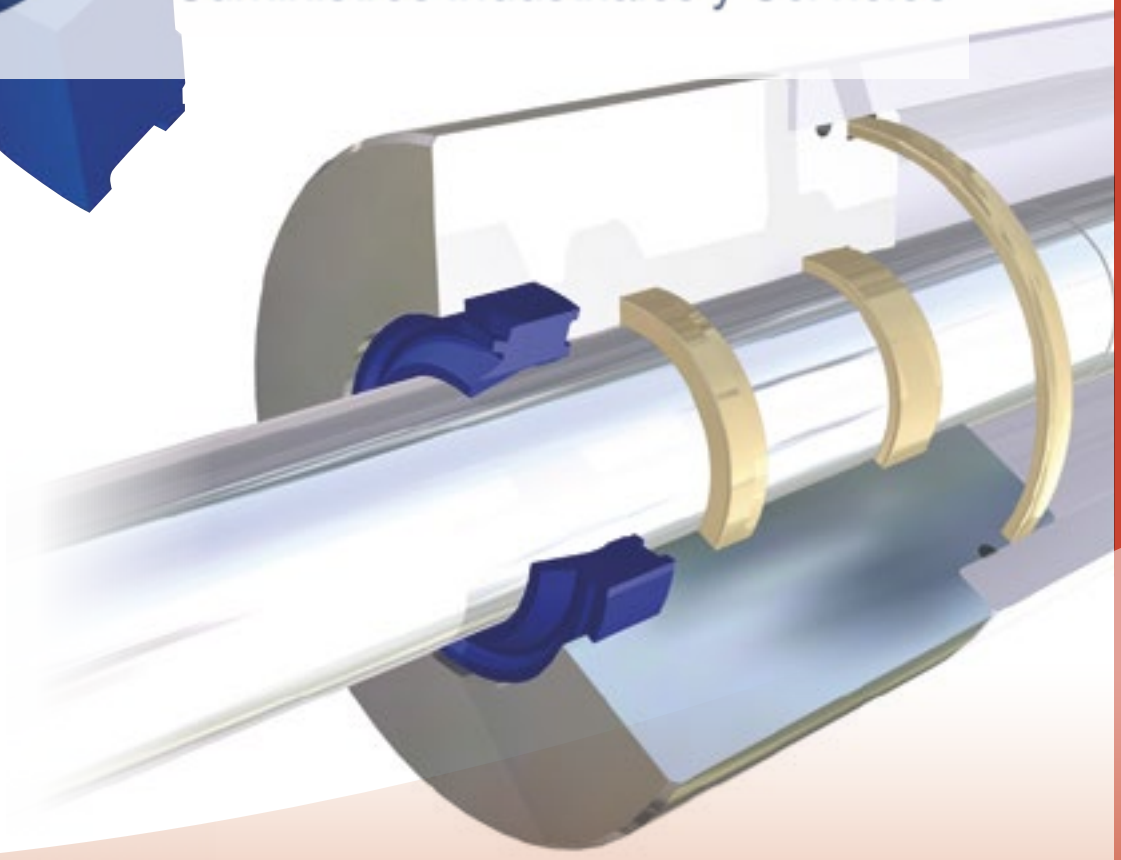


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GHY

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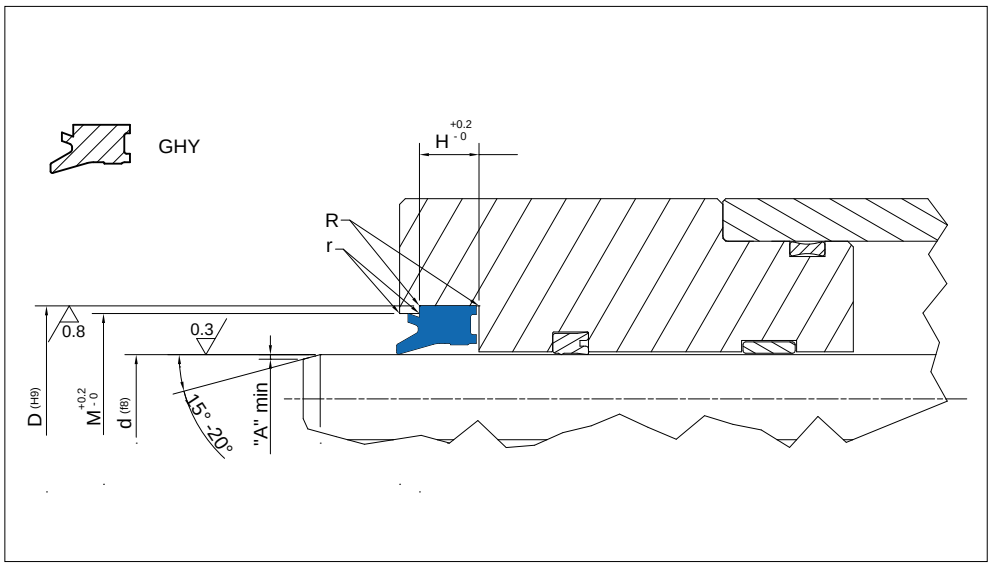
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WIPERS

# GHY






| Design wipers guidelines | | |
|---|---|---|
| **R** | R ≤ 0.5 mm | |
| **r** | r ≤ 0.3 mm | |
| **A** | **D≤ 70mm** | **D≥70mm** |
| | 4 mm | 6 mm |

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| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | M | H |
| GHY 101 | 062094 | 16,00 | 24,00 | 21,50 | 5,00 |
| GHY 102 | 070102 | 18,00 | 26,00 | 23,50 | 5,00 |
| GHY 103 | 078110 | 20,00 | 28,00 | 25,50 | 5,00 |
| GHY 104 | 086118 | 22,00 | 30,00 | 27,50 | 5,00 |
| GHY 105 | 094126 | 24,00 | 32,00 | 29,50 | 5,00 |
| GHY 105/1 | 110137 | 28,00 | 34,00 | 31,50 | 4,00 |
| GHY 106 | 110141 | 28,00 | 36,00 | 33,50 | 5,00 |
| **GHY 107** | **118149** | 30,00 | 38,00 | 35,50 | 5,00 |
| **GHY 108** | **125157** | 32,00 | 40,00 | 37,50 | 5,00 |
| **GHY 109** | **137169** | 35,00 | 43,00 | 40,50 | 5,00 |
| **GHY 110** | **137169/1** | 35,00 | 43,00 | 40,50 | 4,00 |
| **GHY 111** | **141173** | 36,00 | 44,00 | 41,50 | 5,00 |
| **GHY 112** | **157188** | 40,00 | 48,00 | 45,50 | 5,00 |
| **GHY 113** | **177208** | 45,00 | 53,00 | 50,50 | 5,00 |
| **GHY 114** | **177208/1** | 45,00 | 53,00 | 50,50 | 4,00 |
| **GHY 115** | **196228** | 50,00 | 58,00 | 55,50 | 5,00 |
| **GHY 116** | **216248** | 55,00 | 63,00 | 60,50 | 4,00 |
| **GHY 117** | **220251** | 56,00 | 64,00 | 61,50 | 4,00 |
| **GHY 118** | **220259** | 56,00 | 66,00 | 63,00 | 6,30 |
| **GHY 119** | **236267** | 60,00 | 68,00 | 65,00 | 4,00 |
| **GHY 119/1** | **236275** | 60,00 | 70,00 | 67,50 | 6,30 |
| **GHY 120** | **248287** | 63,00 | 73,00 | 70,00 | 6,30 |
| **GHY 121** | **255287** | 65,00 | 73,00 | 70,50 | 4,00 |
| **GHY 122** | **275314** | 70,00 | 80,00 | 77,00 | 6,30 |
| **GHY 123** | **314354** | 80,00 | 90,00 | 87,00 | 6,30 |
| **GHY 123/1** | **334374** | 85,00 | 95,00 | 92,00 | 6,30 |
| **GHY 124** | **354393** | 90,00 | 100,00 | 97,00 | 6,30 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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RASCADORES
WIPERS

# GHY

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | M | H |
| GHY 125 | 393452 | 100,00 | 115,00 | 110,00 | 9,50 |
| GHY 126 | 433492 | 110,00 | 125,00 | 120,00 | 9,50 |
| GHY 127 | 492543 | 125,00 | 140,00 | 135,00 | 9,50 |
| GHY 128 | 551590 | 140,00 | 150,00 | 147,00 | 4,00 |
| GHY 129 | 551602 | 140,00 | 155,00 | 150,00 | 9,50 |
| GHY 130 | 629681 | 160,00 | 175,00 | 170,00 | 9,50 |
| GHY 131 | 708760 | 180,00 | 195,00 | 190,00 | 9,50 |
| GHY 132 | 787838 | 200,00 | 215,00 | 210,00 | 9,50 |
| GHY 133 | 905956 | 230,00 | 245,00 | 237,00 | 9,50 |

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# GHW

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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano | *Polyurethane* |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.8 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidraúlicos<br>Cilindros telescópicos<br>Cizallas hidráulicas | *Standard hydraulic cylinders*<br>*Telescopic Cylinders*<br>*Tail Lifts* |

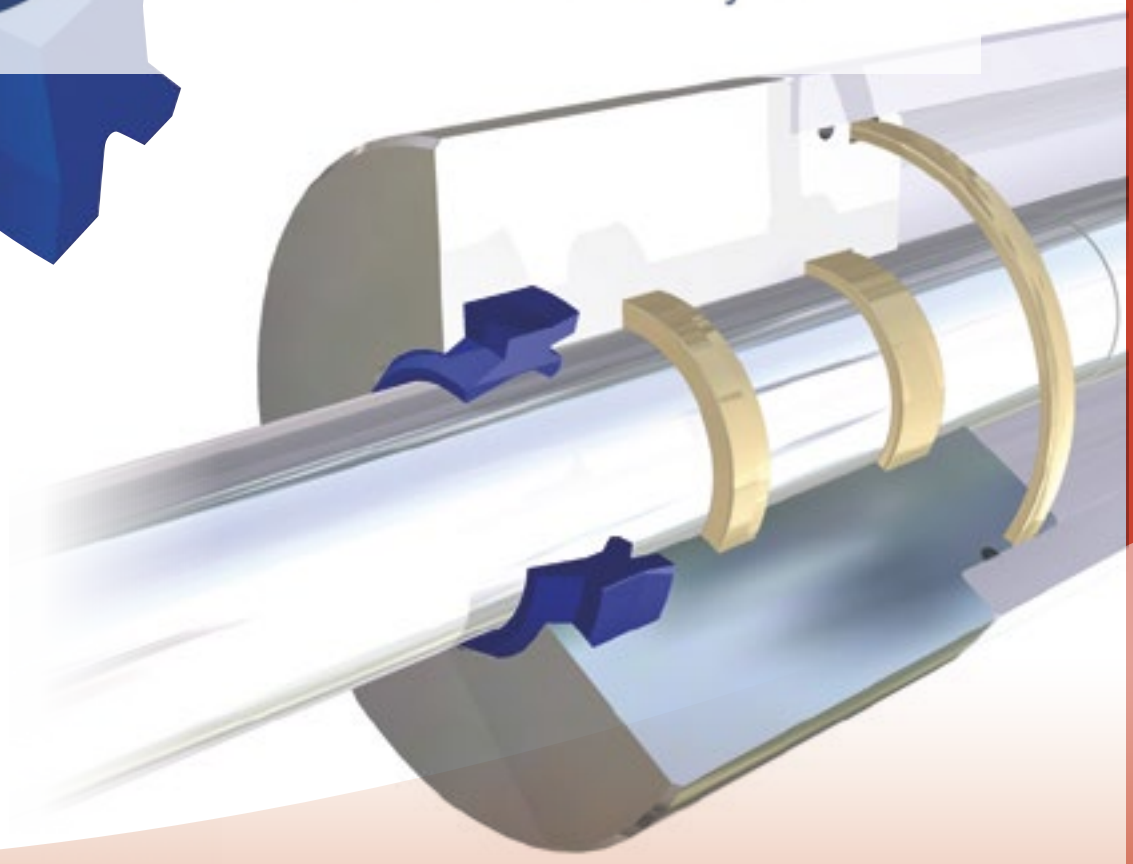


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GHW

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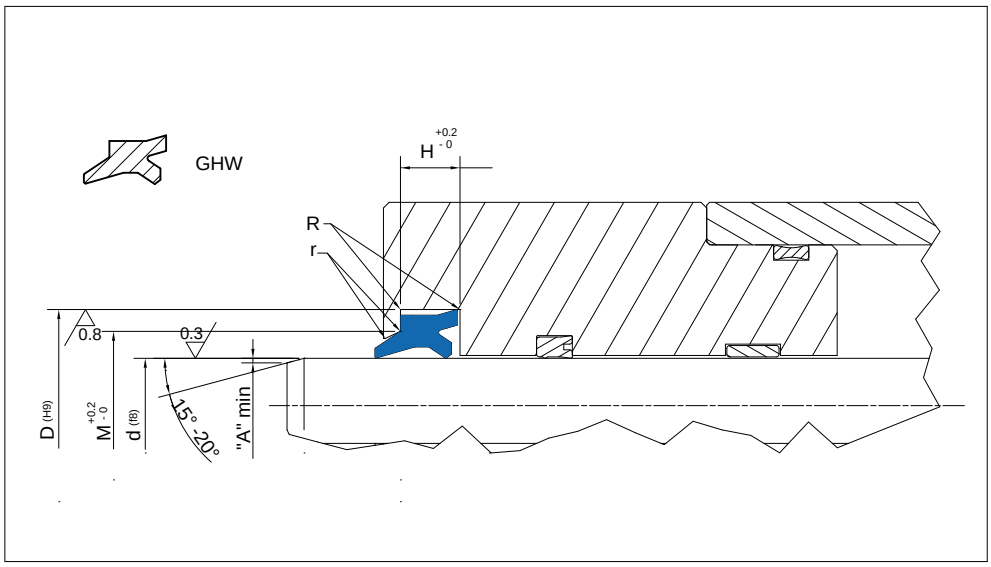
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WIPERS

# GHW






| Design wipers guidelines | | |
|---|---|---|
| **R** | R ≤ 0.5 mm | |
| **r** | r ≤ 0.3 mm | |
| **A** | **D≤ 70mm** | **D≥70mm** |
| | 4 mm | 6 mm |

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | M |
| GHW 10 | 039063 | 10,00 | 16,60 | 3,60 | 11,30 |
| GHW 10/1 | 039063/1 | 10,00 | 16,60 | 5,30 | 11,30 |
| GHW 12 | 047070 | 12,00 | 18,60 | 3,80 | 15,00 |
| GHW 14 | 055078 | 14,00 | 20,60 | 3,80 | 17,00 |
| GHW 18 | 070094 | 18,00 | 26,60 | 3,80 | 21,00 |
| GHW 20 | 078110 | 20,00 | 28,60 | 5,30 | 23,00 |
| GHW 20/1 | 078102 | 20,00 | 26,60 | 3,80 | 23,00 |
| **GHW 22** | **086118** | 22,00 | 30,60 | 5,30 | 25,00 |
| **GHW 24** | **094125** | 24,00 | 32,60 | 5,30 | 27,00 |
| **GHW 25** | **098129** | 25,00 | 33,60 | 5,30 | 28,00 |
| **GHW 28** | **110141** | 28,00 | 36,60 | 5,30 | 31,00 |
| **GHW 30** | **118149** | 30,00 | 38,60 | 5,30 | 33,00 |
| **GHW 32** | **125157** | 32,00 | 40,60 | 5,30 | 35,00 |
| **GHW 35** | **137169** | 35,00 | 43,60 | 5,30 | 38,00 |
| **GHW 36** | **141173** | 36,00 | 44,60 | 5,30 | 39,00 |
| **GHW 40** | **157188** | 40,00 | 48,60 | 5,30 | 43,00 |
| **GHW 42** | **165196** | 42,00 | 50,00 | 5,30 | 45,00 |
| **GHW 45** | **177208** | 45,00 | 53,60 | 5,30 | 48,00 |
| **GHW 50** | **196228** | 50,00 | 58,60 | 5,30 | 53,00 |
| **GHW 55** | **216248** | 55,00 | 63,60 | 5,30 | 58,00 |
| **GHW 56** | **220251** | 56,00 | 64,60 | 5,30 | 59,00 |
| **GHW 60** | **236267** | 60,00 | 68,60 | 5,30 | 63,00 |
| **GHW 60/1** | **236275** | 60,00 | 70,60 | 5,30 | 65,00 |
| **GHW 63** | **248279** | 63,00 | 71,60 | 5,30 | 66,00 |
| **GHW 63/1** | **248279/1** | 63,00 | 73,60 | 5,30 | 66,00 |
| **GHW 65** | **255287** | 65,00 | 73,60 | 5,30 | 68,00 |
| **GHW 70** | **275307** | 70,00 | 78,60 | 5,30 | 73,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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RASCADORES
WIPERS

# GHW

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | M |
| **GHW 75** | **295326** | 75,00 | 83,60 | 5,30 | 78,00 |
| **GHW 80** | **314346** | 80,00 | 88,60 | 5,30 | 83,00 |
| **GHW 80/1** | **314362** | 80,00 | 92,20 | 7,10 | 86,00 |
| **GHW 85** | **334381** | 85,00 | 97,20 | 7,10 | 91,00 |
| **GHW 90** | **354401** | 90,00 | 102,20 | 7,10 | 96,00 |
| **GHW 90/1** | **354393** | 90,00 | 100,20 | 5,30 | 95,00 |
| **GHW 100** | **393440** | 100,00 | 112,20 | 7,10 | 106,00 |
| **GHW 100/1** | **393433** | 100,00 | 110,00 | 6,00 | 104,00 |
| **GHW 110** | **433480** | 110,00 | 122,20 | 7,10 | 116,00 |
| **GHW 115** | **452500** | 115,00 | 127,20 | 7,10 | 121,00 |
| **GHW 120** | **472519** | 120,00 | 132,20 | 7,10 | 126,00 |
| **GHW 130** | **511559** | 130,00 | 142,20 | 7,10 | 136,00 |
| **GHW 132** | **520567** | 132,00 | 144,20 | 7,10 | 138,00 |
| **GHW 135** | **531579** | 135,00 | 147,20 | 7,10 | 141,00 |

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# GPA

**RASCADORES**
**WIPERS**

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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano+Metal | *Polyurethane+Metal* |

| **Velocidad hasta / *Speed up to*** |
|---|
| 1 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros maquinaria civil<br>Cilindros para agricultura<br>Cilindros para aplicaciones medias y pesadas | *Construction machinery*<br>*Agricultural cylinders*<br>*Medium and heavy duty applications* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GPA

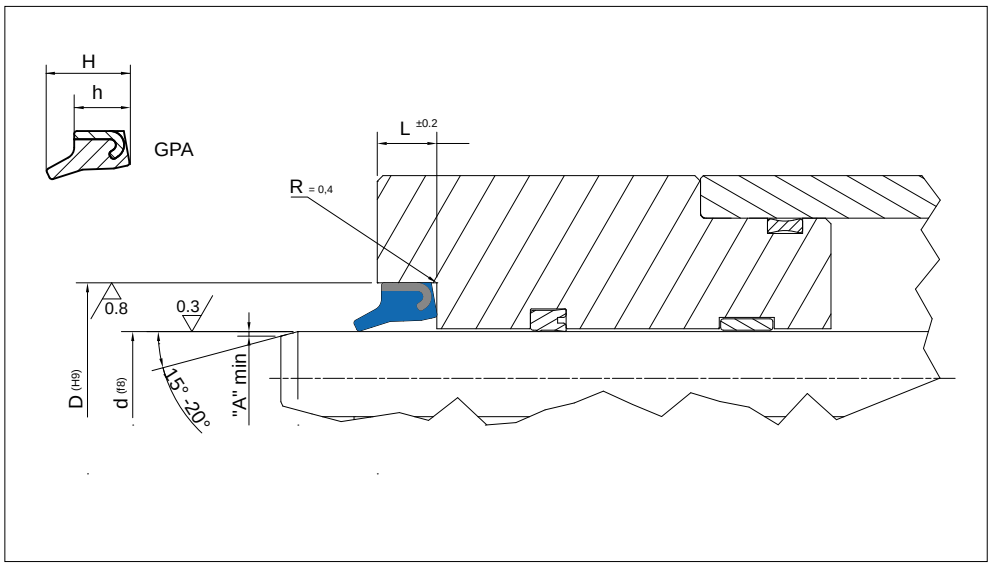
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WIPERS

# GPA




| A | D≤ 100mm | D≥100mm |
|---|---|---|
| | 4 mm | 6 mm |



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| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | |
|---|---|---|---|---|---|
| | d | D | h | L | H |
| GPA 1500 | 10,00 | 19,00 | 7,00 | 7,50 | 10,00 |
| GPA 1501 | 16,00 | 22,00 | 4,00 | | |
| GPA 1502 | 20,00 | 30,00 | 7,00 | 7,50 | 10,00 |
| GPA 1503 | 25,00 | 35,00 | 7,00 | 7,50 | 10,00 |
| GPA 1504 | 25,00 | 35,00 | 7,00 | 7,50 | 10,00 |
| GPA 1505 | 30,00 | 40,00 | 5,50 | | |
| GPA 1506 | 30,00 | 40,00 | 7,00 | 7,50 | 10,00 |
| GPA 1507 | 32,00 | 42,00 | 7,00 | 7,50 | 10,00 |
| GPA 1508 | 32,00 | 45,00 | 7,00 | 7,50 | 10,00 |
| GPA 1509 | 35,00 | 45,00 | 7,00 | 7,50 | 10,00 |
| GPA 1510 | 36,00 | 45,00 | 7,00 | 7,50 | 10,00 |
| GPA 1511 | 36,00 | 46,00 | 7,00 | 7,50 | 10,00 |
| GPA 1512 | 38,10 | 50,80 | 7,00 | 7,50 | 10,00 |
| GPA 1513 | 40,00 | 50,00 | 7,00 | 7,50 | 10,00 |
| GPA 1514 | 40,00 | 50,00 | 5,50 | | |
| GPA 1515 | 45,00 | 55,00 | 7,00 | 7,50 | 10,00 |
| GPA 1516 | 45,00 | 60,00 | 7,00 | 7,50 | 10,00 |
| GPA 1517 | 50,00 | 60,00 | 7,00 | 7,50 | 10,00 |
| GPA 1518 | 50,00 | 65,00 | 7,00 | 7,50 | 10,00 |
| GPA 1519 | 50,80 | 63,50 | 7,00 | 7,50 | 10,00 |
| GPA 1520 | 55,00 | 65,00 | 7,00 | 7,50 | 10,00 |
| GPA 1521 | 55,00 | 70,00 | 7,00 | 7,50 | 10,00 |
| GPA 1522 | 56,00 | 66,00 | 7,00 | 7,50 | 10,00 |
| GPA 1523 | 57,15 | 70,00 | 7,00 | 7,50 | 10,00 |
| GPA 1524 | 60,00 | 70,00 | 7,00 | 7,50 | 10,00 |
| GPA 1525 | 63,00 | 73,00 | 7,00 | 7,50 | 10,00 |
| GPA 1526 | 63,00 | 75,00 | 7,00 | 7,50 | 10,00 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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WIPERS

# GPA

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | |
|---|---|---|---|---|---|
| | d | D | h | L | H |
| **GPA 1527** | 63,00 | 78,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1528** | 63,50 | 76,20 | 7,00 | 7,50 | 10,00 |
| **GPA 1529** | 65,00 | 75,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1530** | 70,00 | 80,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1531** | 75,00 | 83,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1532** | 75,00 | 85,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1533** | 80,00 | 90,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1534** | 85,00 | 95,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1535** | 90,00 | 100,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1536** | 95,00 | 105,00 | 10,00 | | |
| **GPA 1537** | 100,00 | 110,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1538** | 105,00 | 115,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1539** | 110,00 | 120,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1539/1** | 115,00 | 125,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1540** | 120,00 | 130,00 | 7,00 | 7,50 | 10,00 |
| **GPA 1541** | 125,00 | 140,00 | 9,00 | 9,50 | 12,00 |
| **GPA 1542** | 140,00 | 155,00 | 9,00 | 9,50 | 12,00 |
| **GPA 1543** | 180,00 | 195,00 | 9,00 | 9,50 | 12,00 |

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# GHP

**RASCADORES**
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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano<br>disponible en color azul o negro | *Polyurethane*<br>*available in Blue or Black colour* |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.8 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros para agricultura<br>Repuestos mecánicos movimiento manual | *Agricultural cylinders*<br>*Handling Equipment* |

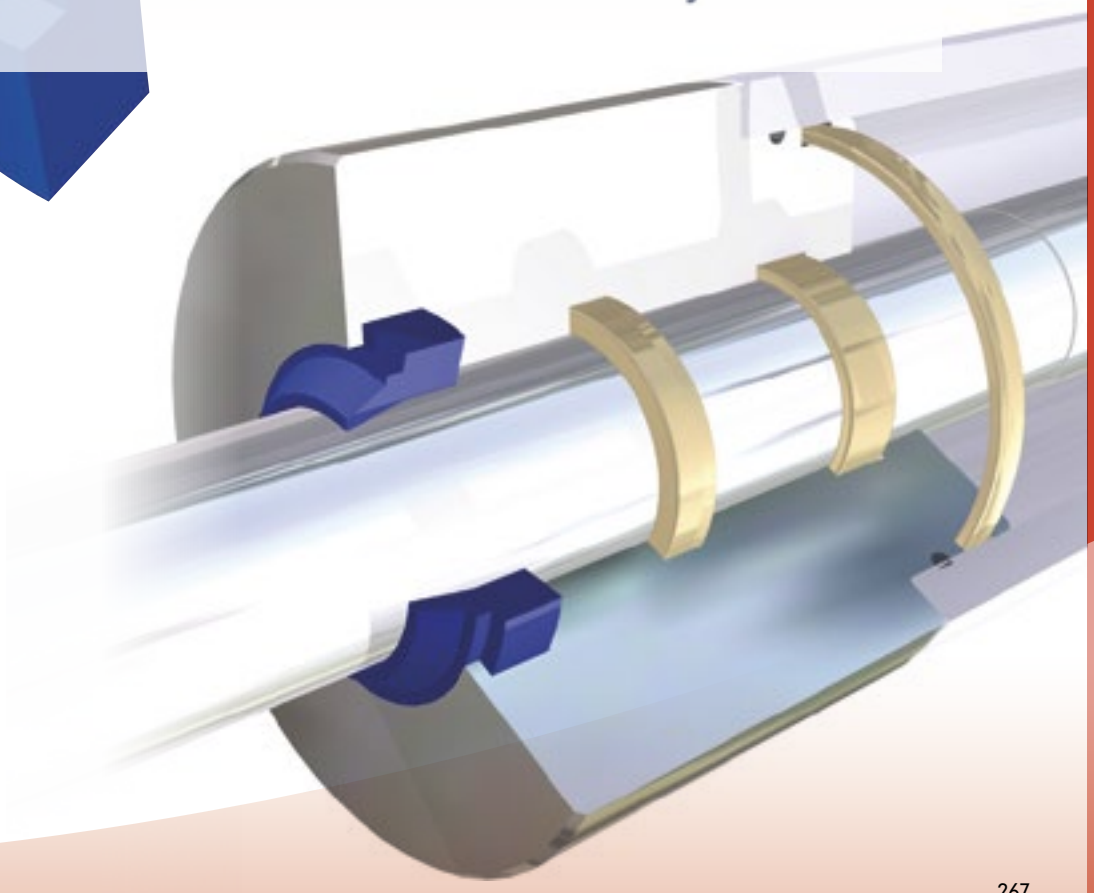


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GHP

266÷269

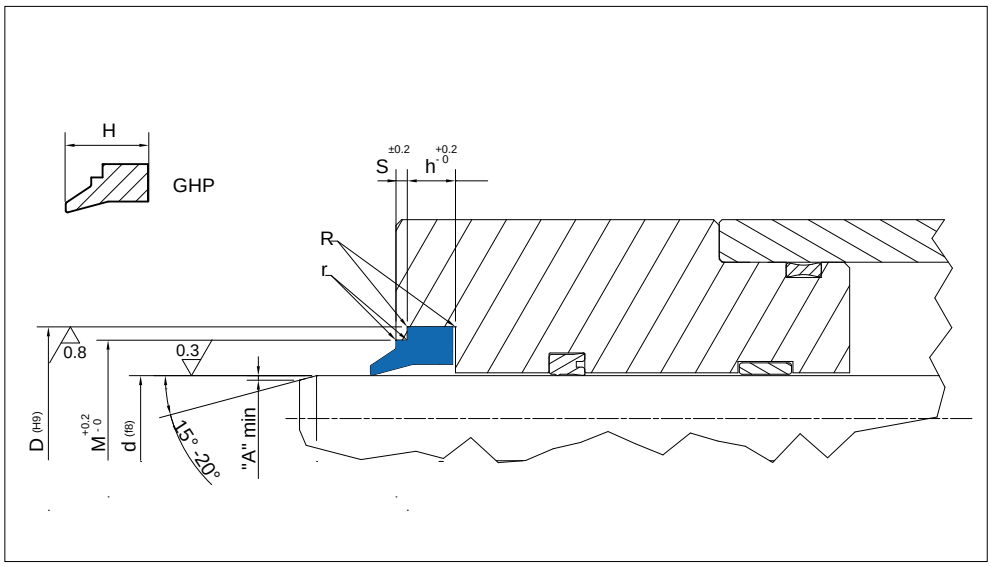
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# GHP






| Design wipers guidelines | | |
|---|---|---|
| **R** | R ≤ 0.5 mm | |
| **r** | r ≤ 0.3 mm | |
| **A** | **D≤ 70mm** | **D≥70mm** |
| | 4 mm | 6 mm |

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| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | d | D | h | M | S | H |
| GHP 12 | 047070 | 12,00 | 20,00 | 4,00 | 18,00 | 1,00 | 7,00 |
| GHP 16/1 | 063086 | 16,00 | 22,00 | 3,00 | 20,00 | 1,00 | 5,00 |
| GHP 16 | 063094 | 16,00 | 24,00 | 4,00 | 22,00 | 1,00 | 7,00 |
| GHP 18 | 070102 | 18,00 | 26,00 | 4,00 | 24,00 | 1,00 | 7,00 |
| GHP 20 | 078110 | 20,00 | 28,00 | 4,00 | 26,00 | 1,00 | 7,00 |
| GHP 22 | 086118 | 22,00 | 30,00 | 4,00 | 28,00 | 1,00 | 7,00 |
| GHP 25 | 098129 | 25,00 | 33,00 | 4,00 | 31,00 | 1,00 | 7,00 |
| **GHP 28** | **110141** | 28,00 | 36,00 | 4,00 | 34,00 | 1,00 | 7,00 |
| **GHP 30** | **118149** | 30,00 | 38,00 | 4,00 | 36,00 | 1,00 | 7,00 |
| **GHP 32** | **125157** | 32,00 | 40,00 | 4,00 | 38,00 | 1,00 | 7,00 |
| **GHP 35** | **137169** | 35,00 | 43,00 | 4,00 | 41,00 | 1,00 | 7,00 |
| **GHP 36** | **141173** | 36,00 | 44,00 | 4,00 | 42,00 | 1,00 | 7,00 |
| **GHP 40** | **157188** | 40,00 | 48,00 | 4,00 | 46,00 | 1,00 | 7,00 |
| **GHP 42** | **165196** | 42,00 | 50,00 | 4,00 | 48,00 | 1,00 | 7,00 |
| **GHP 45** | **177208** | 45,00 | 53,00 | 4,00 | 51,00 | 1,00 | 7,00 |
| **GHP 50** | **196228** | 50,00 | 58,00 | 4,00 | 56,00 | 1,00 | 7,00 |
| **GHP 55** | **216248** | 55,00 | 63,00 | 4,00 | 61,00 | 1,00 | 7,00 |
| **GHP 56** | **220252** | 56,00 | 64,00 | 4,00 | 62,00 | 1,00 | 7,00 |
| **GHP 60** | **236267** | 60,00 | 68,00 | 4,00 | 66,00 | 1,00 | 7,00 |
| **GHP 63** | **248279** | 63,00 | 71,00 | 4,00 | 69,00 | 1,00 | 7,00 |
| **GHP 65** | **255287** | 65,00 | 73,00 | 4,00 | 71,00 | 1,00 | 7,00 |
| **GHP 70** | **275307** | 70,00 | 78,00 | 4,00 | 76,00 | 1,00 | 7,00 |
| **GHP 75** | **295236** | 75,00 | 83,00 | 4,00 | 81,00 | 1,00 | 7,00 |
| **GHP 80** | **314346** | 80,00 | 88,00 | 4,00 | 86,00 | 1,00 | 7,00 |
| **GHP 85** | **334366** | 85,00 | 93,00 | 4,00 | 91,00 | 1,00 | 7,00 |
| **GHP 90** | **354385** | 90,00 | 98,00 | 4,00 | 96,00 | 1,00 | 7,00 |
| **GHP 95** | **374405** | 95,00 | 103,00 | 4,00 | 101,00 | 1,00 | 7,00 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | d | D | h | M | S | H |
| **GHP 100** | **393425** | 100,00 | 108,00 | 4,00 | 106,00 | 1,00 | 7,00 |
| **GHP 106** | **417464** | 106,00 | 118,00 | 5,50 | 115,00 | 1,50 | 10,00 |
| **GHP 110** | **433480** | 110,00 | 122,00 | 5,50 | 119,00 | 1,50 | 10,00 |
| **GHP 115** | **500452** | 115,00 | 127,00 | 5,50 | 123,00 | 1,50 | 10,00 |
| **GHP 117** | **460508** | 117,00 | 129,00 | 5,50 | 125,00 | 1,50 | 10,00 |
| **GHP 120** | **472519** | 120,00 | 132,00 | 5,50 | 129,00 | 1,50 | 10,00 |
| **GHP 125** | **492539** | 125,00 | 137,00 | 5,50 | 134,00 | 1,50 | 10,00 |
| **GHP 130** | **511559** | 130,00 | 142,00 | 5,50 | 138,00 | 1,50 | 10,00 |
| **GHP 135** | **531578** | 135,00 | 147,00 | 5,50 | 143,00 | 1,50 | 10,00 |
| **GHP 140** | **551598** | 140,00 | 152,00 | 5,50 | 149,00 | 1,50 | 10,00 |
| **GHP 145** | **618570** | 145,00 | 157,00 | 5,50 | 153,00 | 1,50 | 10,00 |
| **GHP 150** | **590637** | 150,00 | 162,00 | 5,50 | 159,00 | 1,50 | 10,00 |
| **GHP 175** | **736688** | 175,00 | 187,00 | 5,50 | 183,00 | 1,50 | 10,00 |
| **GHP 180** | **708756** | 180,00 | 192,00 | 5,50 | 189,00 | 1,50 | 10,00 |
| **GHP 210** | **826873** | 210,00 | 222,00 | 5,50 | 218,00 | 1,50 | 10,00 |

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# GPW

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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano | *Polyurethane* |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.8 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Máquinas de movimiento de tierra<br>Cilindros hidraúlicos | *Earthmoving machines*<br>*Hydraulic Cylinders* |

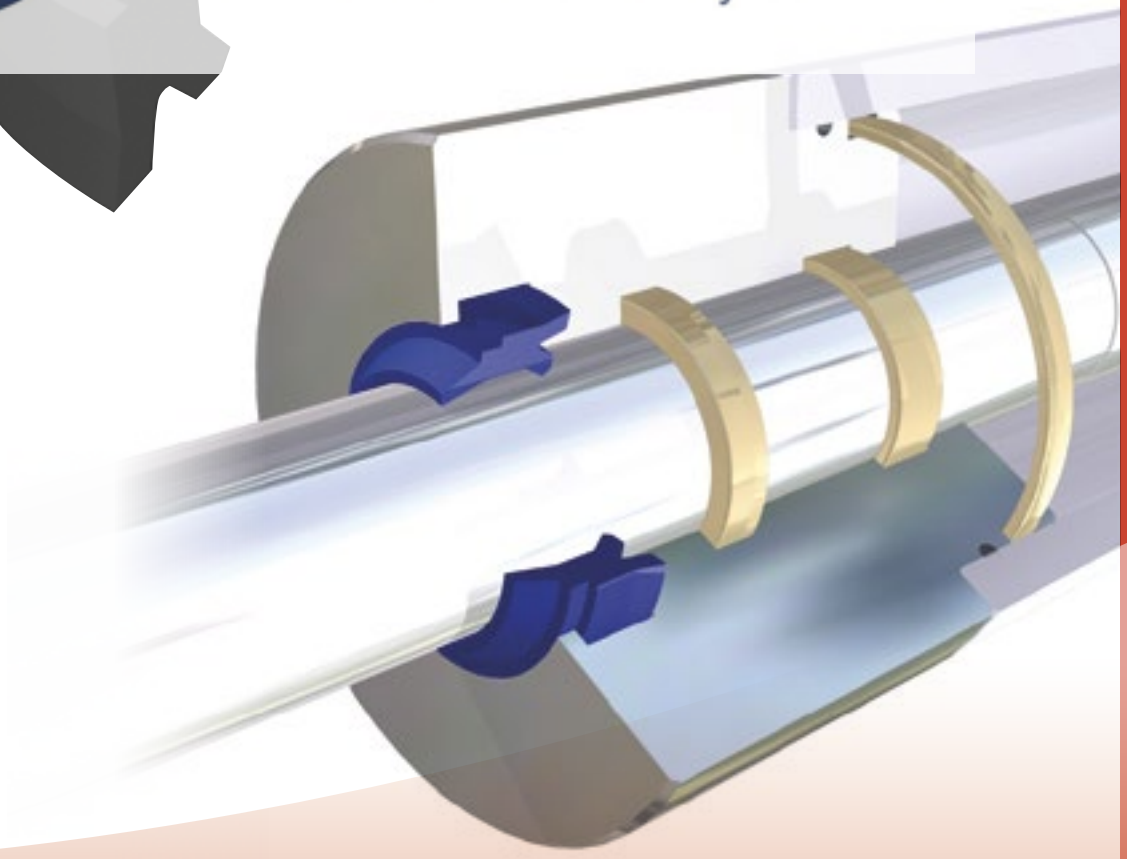


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GPW

270÷273

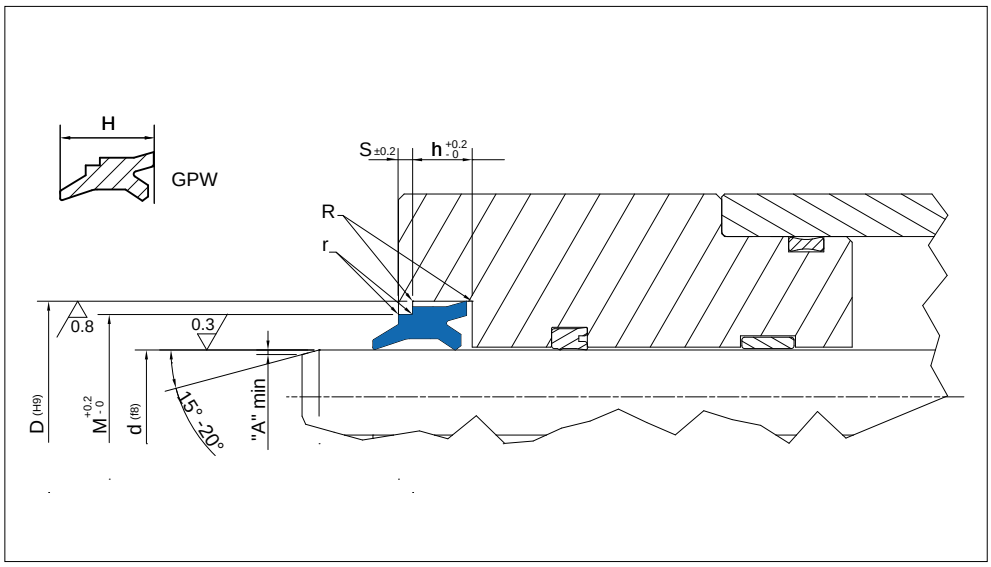
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# GPW






| Design wipers guidelines | | |
|---|---|---|
| **R** | R ≤ 0.5 mm | |
| **r** | r ≤ 0.3 mm | |
| **A** | **D≤ 70mm** | **D≥70mm** |
| | 4 mm | 6 mm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|
| | d | D | h | M | S | H |
| GPW 10 | 10,00 | 18,00 | 4,00 | 13,50 | 2,00 | 8,00 |
| GPW 12 | 12,00 | 20,00 | 4,00 | 15,50 | 2,00 | 8,00 |
| GPW 14 | 14,00 | 22,00 | 4,00 | 17,50 | 2,00 | 8,00 |
| GPW 15 | 15,00 | 23,00 | 4,00 | 18,50 | 2,00 | 8,00 |
| GPW 16 | 16,00 | 24,00 | 4,00 | 19,50 | 2,00 | 8,00 |
| GPW 18 | 18,00 | 26,00 | 4,00 | 21,50 | 2,00 | 8,00 |
| GPW 20 | 20,00 | 28,00 | 4,00 | 23,50 | 2,00 | 8,00 |
| **GPW 22** | 22,00 | 30,00 | 4,00 | 25,50 | 2,00 | 8,00 |
| **GPW 25** | 25,00 | 33,00 | 4,00 | 28,50 | 2,00 | 8,00 |
| **GPW 28** | 28,00 | 36,00 | 4,00 | 31,50 | 2,00 | 8,00 |
| **GPW 30** | 30,00 | 38,00 | 4,00 | 33,50 | 2,00 | 8,00 |
| **GPW 32** | 32,00 | 40,00 | 4,00 | 35,50 | 2,00 | 8,00 |
| **GPW 35** | 35,00 | 43,00 | 4,00 | 38,50 | 2,00 | 8,00 |
| **GPW 36** | 36,00 | 44,00 | 4,00 | 39,50 | 2,00 | 8,00 |
| **GPW 38** | 38,00 | 46,00 | 4,00 | 41,50 | 2,00 | 8,00 |
| **GPW 40** | 40,00 | 48,00 | 4,00 | 43,50 | 2,00 | 8,00 |
| **GPW 42** | 42,00 | 50,00 | 4,00 | 45,50 | 2,00 | 8,00 |
| **GPW 45** | 45,00 | 53,00 | 4,00 | 48,50 | 2,00 | 8,00 |
| **GPW 50** | 50,00 | 58,00 | 4,00 | 53,50 | 2,00 | 8,00 |
| **GPW 55** | 55,00 | 63,00 | 4,00 | 58,50 | 2,00 | 8,00 |
| **GPW 56** | 56,00 | 64,00 | 4,00 | 59,50 | 2,00 | 8,00 |
| **GPW 60** | 60,00 | 68,00 | 4,00 | 63,50 | 2,00 | 8,00 |
| **GPW 63** | 63,00 | 71,00 | 4,00 | 66,50 | 2,00 | 8,00 |
| **GPW 65** | 65,00 | 73,00 | 4,00 | 68,50 | 2,00 | 8,00 |
| **GPW 70** | 70,00 | 78,00 | 4,00 | 73,50 | 2,00 | 8,00 |
| **GPW 75** | 75,00 | 83,00 | 4,00 | 78,50 | 2,00 | 8,00 |
| **GPW 80** | 80,00 | 88,00 | 4,00 | 83,50 | 2,00 | 8,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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# GPW

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|
| | d | D | h | M | S | H |
| **GPW 85** | 85,00 | 93,00 | 4,00 | 88,50 | 2,00 | 8,00 |
| **GPW 90** | 90,00 | 98,00 | 4,00 | 93,50 | 2,00 | 8,00 |
| **GPW 100** | 100,00 | 108,00 | 4,00 | 103,50 | 2,00 | 8,00 |
| **GPW 105** | 105,00 | 117,00 | 5,50 | 110,00 | 2,00 | 11,00 |
| **GPW 110** | 110,00 | 122,00 | 5,50 | 115,00 | 3,00 | 11,00 |
| **GPW 115** | 115,00 | 127,00 | 5,50 | 120,00 | 3,00 | 11,00 |
| **GPW 120** | 120,00 | 132,00 | 5,50 | 125,00 | 3,00 | 11,00 |
| **GPW 125** | 125,00 | 137,00 | 5,50 | 130,00 | 3,00 | 11,00 |
| **GPW 130** | 130,00 | 142,00 | 5,50 | 135,00 | 3,00 | 11,00 |
| **GPW 135** | 135,00 | 147,00 | 5,50 | 140,00 | 3,00 | 11,00 |
| **GPW 140** | 140,00 | 152,00 | 5,50 | 145,00 | 3,00 | 11,00 |
| **GPW 150** | 150,00 | 162,00 | 5,50 | 155,00 | 3,00 | 11,00 |
| **GPW 160** | 160,00 | 172,00 | 5,50 | 165,00 | 3,00 | 11,00 |
| **GPW 170** | 170,00 | 182,00 | 5,50 | 175,00 | 3,00 | 11,00 |
| **GPW 180** | 180,00 | 192,00 | 5,50 | 185,00 | 3,00 | 11,00 |
| **GPW 190** | 190,00 | 202,00 | 5,50 | 195,00 | 3,00 | 11,00 |
| **GPW 200** | 200,00 | 212,00 | 5,50 | 205,00 | 3,00 | 11,00 |
| **GPW 220** | 220,00 | 235,00 | 6,50 | 227,00 | 3,00 | 13,00 |

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# GHF

**RASCADORES**
**WIPERS**

## TEF-RING

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| **Versión standar** | ***Standard version*** |
|---|---|
| PTFE carga de bronce<br>+OR NBR | *Bronze filled PTFE*<br>*+ Rubber Sealing Ring NBR* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| PTFE carga de bronce<br>+OR NBR FKM | *Bronze filled PTFE*<br>*+ Rubber Sealing Ring NBR* |

| **Velocidad hasta / *Speed up to*** |
|---|
| 15 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -30°C +130°C<br>depending on O-ring material | -20°C+200°C FKM |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros de dirección<br>Prensas de estampación<br>Cilindros hidraúlicos | *Steering Cylinders*<br>*Injection moulding machines*<br>*Hydraulic Cylinders* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GHF

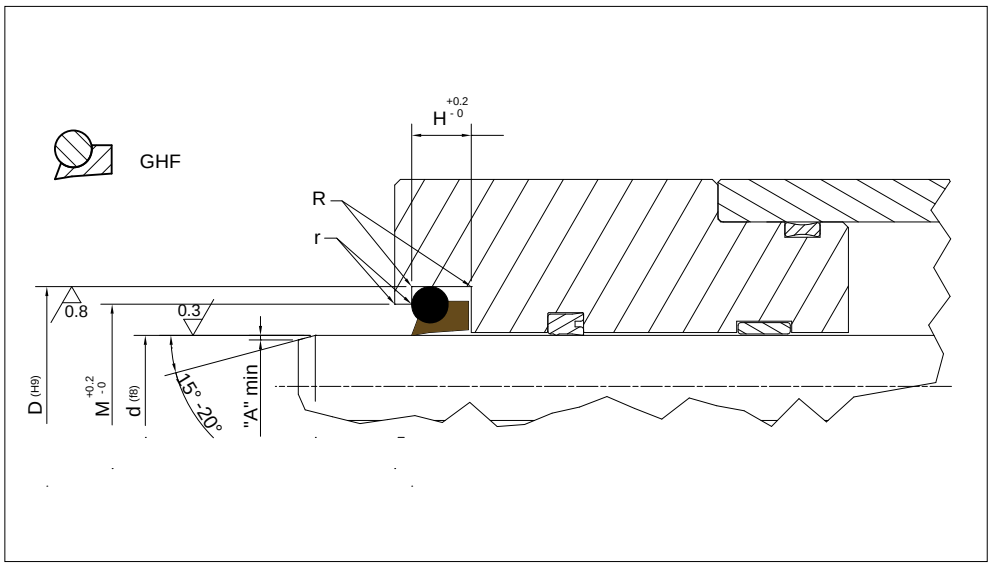
274÷277



TEF-RING

RASCADORES
WIPERS

# GHF






| Design wipers guidelines | | |
|---|---|---|
| **R** | R ≤ 0.5 mm | |
| **r** | r ≤ 0.3 mm | |
| **A** | **D≤ 70mm** | **D≥70mm** |
| | 4 mm | 6 mm |

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| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | |
|---|---|---|---|---|---|
| | d | D | H | M | OR |
| GHF 008 | 8,00 | 12,80 | 3,70 | 10,70 | 012 |
| GHF 010 | 10,00 | 14,80 | 3,70 | 12,70 | 013 |
| GHF 012 | 12,00 | 18,80 | 5,00 | 15,50 | 113 |
| GHF 014 | 14,00 | 20,80 | 5,00 | 17,50 | 114 |
| GHF 015 | 15,00 | 21,80 | 5,00 | 18,50 | 115 |
| GHF 016 | 16,00 | 22,80 | 5,00 | 19,50 | 116 |
| GHF 018 | 18,00 | 24,80 | 5,00 | 21,50 | 117 |
| **GHF 020** | 20,00 | 26,80 | 5,00 | 23,50 | **118** |
| **GHF 025** | 25,00 | 31,80 | 5,00 | 28,50 | **121** |
| **GHF 028** | 28,00 | 34,80 | 5,00 | 31,50 | **123** |
| **GHF 030** | 30,00 | 36,80 | 5,00 | 33,50 | **124** |
| **GHF 032** | 32,00 | 38,80 | 5,00 | 35,50 | **126** |
| **GHF 035** | 35,00 | 41,80 | 5,00 | 38,50 | **127** |
| **GHF 040** | 40,00 | 46,80 | 5,00 | 43,50 | **131** |
| **GHF 045** | 45,00 | 51,80 | 5,00 | 48,50 | **134** |
| **GHF 050** | 50,00 | 56,80 | 5,00 | 53,50 | **137** |
| **GHF 055** | 55,00 | 61,80 | 5,00 | 58,50 | **140** |
| **GHF 060** | 60,00 | 66,80 | 5,00 | 63,50 | **143** |
| **GHF 065** | 65,00 | 73,80 | 6,00 | 69,00 | **231** |
| **GHF 070** | 70,00 | 78,80 | 6,00 | 74,00 | **233** |
| **GHF 075** | 75,00 | 83,80 | 6,00 | 79,00 | **234** |
| **GHF 080** | 80,00 | 88,80 | 6,00 | 84,00 | **236** |
| **GHF 085** | 85,00 | 93,80 | 6,00 | 89,00 | **237** |
| **GHF 090** | 90,00 | 98,80 | 6,00 | 94,00 | **239** |
| **GHF 095** | 95,00 | 103,80 | 6,00 | 99,00 | **241** |
| **GHF 100** | 100,00 | 108,80 | 6,00 | 104,00 | **242** |
| **GHF 110** | 110,00 | 118,80 | 6,00 | 114,00 | **245** |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

# TEF-RING

RASCADORES
WIPERS

# GHF

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | |
|---|---|---|---|---|---|
| | d | D | H | M | OR |
| **GHF 120** | 120,00 | 128,80 | 6,00 | 124,00 | **249** |
| **GHF 125** | 125,00 | 133,80 | 6,00 | 129,00 | **250** |
| **GHF 130** | 130,00 | 133,80 | 6,00 | 134,00 | **252** |
| **GHF 140** | 140,00 | 148,80 | 6,00 | 144,00 | **255** |
| **GHF 150** | 150,00 | 158,80 | 6,00 | 154,00 | **258** |
| **GHF 160** | 160,00 | 168,80 | 6,00 | 164,00 | **260** |
| **GHF 170** | 170,00 | 178,80 | 6,00 | 174,00 | **261** |
| **GHF 180** | 180,00 | 188,80 | 6,00 | 184,00 | **263** |
| **GHF 200** | 200,00 | 208,80 | 6,00 | 204,00 | **266** |
| **GHF 210** | 210,00 | 218,80 | 6,00 | 214,00 | **267** |
| **GHF 220** | 220,00 | 228,80 | 6,00 | 224,00 | **269** |
| **GHF 225** | 225,00 | 233,80 | 6,00 | 229,00 | **270** |
| **GHF 230** | 230,00 | 238,80 | 6,00 | 234,00 | **271** |
| **GHF 240** | 240,00 | 248,80 | 6,00 | 244,00 | **272** |
| **GHF 250** | 250,00 | 258,80 | 6,00 | 254,00 | **274** |
| **GHF 260** | 260,00 | 272,20 | 8,40 | 264,50 | **378** |
| **GHF 270** | 270,00 | 282,20 | 8,40 | 274,50 | **379** |
| **GHF 280** | 280,00 | 292,20 | 8,40 | 284,50 | **379** |
| **GHF 290** | 290,00 | 302,20 | 8,40 | 294,50 | **380** |
| **GHF 300** | 300,00 | 312,20 | 8,40 | 304,50 | **381** |
| **GHF 310** | 310,00 | 322,20 | 8,40 | 314,50 | **381** |
| **GHF 320** | 320,00 | 332,20 | 8,40 | 324,50 | **382** |
| **GHF 330** | 330,00 | 342,20 | 8,40 | 334,50 | **382** |
| **GHF 340** | 340,00 | 352,20 | 8,40 | 344,50 | **382** |
| **GHF 350** | 350,00 | 362,20 | 8,40 | 354,50 | **383** |
| **GHF 360** | 360,00 | 372,20 | 8,40 | 364,50 | **383** |
| **GHF 370** | 370,00 | 382,20 | 8,40 | 374,50 | **383** |
| **GHF 380** | 380,00 | 392,20 | 8,40 | 384,50 | **384** |
| **GHF 390** | 390,00 | 402,20 | 8,40 | 394,50 | **384** |
| **GHF 400** | 400,00 | 412,20 | 8,40 | 404,50 | **385** |
| **GHF 410** | 410,00 | 422,20 | 8,40 | 414,50 | **385** |
| **GHF 420** | 420,00 | 432,20 | 8,40 | 424,50 | **386** |
| **GHF 430** | 430,00 | 446,00 | 11,00 | 435,20 | **463** |
| **GHF 440** | 440,00 | 456,00 | 11,00 | 445,20 | **464** |
| **GHF 450** | 450,00 | 466,00 | 11,00 | 455,20 | **465** |
| **GHF 460** | 460,00 | 476,00 | 11,00 | 465,20 | **466** |
| **GHF 470** | 470,00 | 486,00 | 11,00 | 475,20 | **466** |
| **GHF 480** | 480,00 | 496,00 | 11,00 | 485,20 | **467** |
| **GHF 490** | 490,00 | 506,00 | 11,00 | 495,20 | **468** |
| **GHF 500** | 500,00 | 516,00 | 11,00 | 505,20 | **469** |

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# GHX

**RASCADORES**
**WIPERS**

## TEF-RING

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| **Versión standar** | ***Standard version*** |
|---|---|
| PTFE carga de bronce<br>+OR NBR | *Bronze filled PTFE*<br>*+ Rubber Sealing Ring NBR* |

| **Versión alternativa** | ***Alternative Versions*** |
|---|---|
| PTFE carga de bronce<br>+OR NBR FKM | *Bronze filled PTFE*<br>*+ Rubber Sealing Ring NBR* |

| **Velocidad hasta / *Speed up to*** |
|---|
| 15 m/s |

| **Temperatura / *Temperature*** | |
|---|---|
| -30°C +130°C<br>depending on O-ring material | -20°C+200°C FKM |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros de dirección<br>Prensas de estampación<br>Cilindros hidraúlicos | *Steering Cylinders*<br>*Injection moulding machines*<br>*Hydraulic Cylinders* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GHX

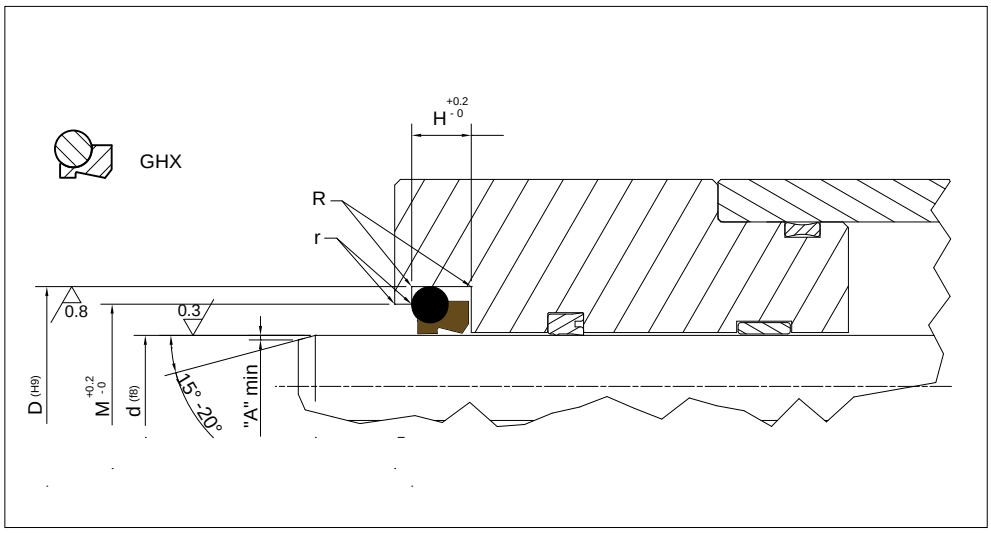
278÷281



TEF-RING

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WIPERS

# GHX






| Design wipers guidelines | | |
|---|---|---|
| R | R ≤ 0.5 mm | |
| r | r ≤ 0.3 mm | |
| A | D≤ 70mm | D≥70mm |
| | 4 mm | 6 mm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | |
|---|---|---|---|---|---|
| | d | D | H | M | OR |
| GHX012 | 12,00 | 18,80 | 5,00 | 13,50 | 113 |
| GHX014 | 14,00 | 20,80 | 5,00 | 15,50 | 114 |
| GHX015 | 15,00 | 21,80 | 5,00 | 16,50 | 115 |
| GHX016 | 16,00 | 22,80 | 5,00 | 17,50 | 116 |
| GHX018 | 18,00 | 24,80 | 5,00 | 19,50 | 117 |
| GHX020 | 20,00 | 26,80 | 5,00 | 21,50 | 118 |
| GHX020/5 | 20,00 | 27,60 | 4,20 | 21,50 | 118 |
| GHX022 | 22,00 | 28,80 | 5,00 | 23,50 | 119 |
| GHX025 | 25,00 | 31,80 | 5,00 | 26,50 | 121 |
| GHX025/5 | 25,00 | 32,60 | 4,20 | 26,50 | 122 |
| GHX028/5 | 28,00 | 35,60 | 4,20 | 29,50 | 123 |
| GHX030 | 30,00 | 36,80 | 5,00 | 31,50 | 124 |
| GHX030/5 | 30,00 | 37,60 | 4,20 | 31,50 | 125 |
| GHX032 | 32,00 | 38,80 | 5,00 | 33,50 | 126 |
| GHX034 | 34,00 | 40,80 | 5,00 | 35,50 | 126 |
| GHX035 | 35,00 | 41,80 | 5,00 | 36,50 | 127 |
| GHX036 | 36,00 | 42,80 | 5,00 | 37,50 | 128 |
| GHX036/5 | 36,00 | 43,60 | 4,20 | 37,50 | 129 |
| GHX037 | 37,00 | 43,80 | 5,00 | 38,50 | 129 |
| GHX040 | 40,00 | 46,80 | 5,00 | 41,50 | 129 |
| GHX040/5 | 40,00 | 48,80 | 6,30 | 41,50 | 132 |
| GHX042 | 42,00 | 48,80 | 5,00 | 43,50 | 131 |
| GHX042/5 | 42,00 | 50,80 | 6,30 | 43,50 | 133 |
| GHX045 | 45,00 | 51,80 | 5,00 | 46,50 | 134 |
| GHX045/5 | 45,00 | 53,80 | 6,30 | 46,50 | 135 |
| GHX050 | 50,00 | 56,80 | 5,00 | 51,50 | 137 |
| GHX050/5 | 50,00 | 58,80 | 6,30 | 51,50 | 138 |
| GHX054 | 54,00 | 60,80 | 5,00 | 55,50 | 139 |
| GHX055 | 55,00 | 61,80 | 5,00 | 56,50 | 140 |
| GHX055/5 | 55,00 | 63,80 | 6,30 | 56,50 | 141 |
| GHX056 | 56,00 | 62,80 | 5,00 | 57,50 | 141 |
| GHX056/5 | 56,00 | 64,80 | 6,30 | 57,50 | 142 |
| GHX060 | 60,00 | 66,80 | 5,00 | 61,50 | 143 |
| GHX060/5 | 60,00 | 68,80 | 6,30 | 61,50 | 144 |
| GHX063 | 63,00 | 69,80 | 5,00 | 64,50 | 145 |
| GHX063/5 | 63,00 | 71,80 | 6,30 | 64,50 | 146 |
| GHX065 | 65,00 | 73,80 | 6,00 | 66,50 | 232 |
| GHX065/5 | 65,00 | 73,80 | 6,30 | 66,50 | 147 |
| GHX070 | 70,00 | 78,80 | 6,00 | 71,50 | 233 |
| GHX070/5 | 70,00 | 82,20 | 8,10 | 72,00 | 234 |
| GHX075 | 75,00 | 83,80 | 6,00 | 76,50 | 235 |
| GHX075/5 | 75,00 | 87,20 | 8,10 | 77,00 | 235 |
| GHX080 | 80,00 | 88,80 | 6,00 | 81,50 | 236 |
| GHX080/5 | 80,00 | 92,20 | 8,10 | 82,00 | 237 |
| GHX085 | 85,00 | 93,80 | 6,00 | 86,50 | 238 |
| GHX085/5 | 85,00 | 97,20 | 8,10 | 87,00 | 238 |
| GHX090 | 90,00 | 98,80 | 6,00 | 91,50 | 240 |
| GHX090/5 | 90,00 | 102,20 | 8,10 | 92,00 | 240 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

# TEF-RING

RASCADORES
WIPERS

# GHX

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | |
|---|---|---|---|---|---|
| | d | D | H | M | OR |
| GHX095 | 95,00 | 103,80 | 6,00 | 96,50 | 241 |
| GHX097/5 | 97,00 | 109,20 | 8,10 | 99,00 | 242 |
| GHX100 | 100,00 | 108,80 | 6,00 | 101,50 | 243 |
| GHX100/5 | 100,00 | 112,20 | 8,10 | 102,00 | 243 |
| GHX105 | 105,00 | 113,80 | 6,00 | 106,50 | 244 |
| GHX105/5 | 105,00 | 117,20 | 8,10 | 107,00 | 245 |
| GHX110 | 110,00 | 118,80 | 6,00 | 111,50 | 246 |
| GHX110/5 | 110,00 | 122,20 | 8,10 | 112,00 | 246 |
| GHX115 | 115,00 | 123,80 | 6,00 | 116,50 | 247 |
| GHX115/5 | 115,00 | 127,20 | 8,10 | 117,00 | 248 |
| GHX120 | 120,00 | 128,80 | 6,00 | 121,50 | 249 |
| GHX120/5 | 120,00 | 132,20 | 8,10 | 122,00 | 249 |
| GHX125 | 125,00 | 133,80 | 6,00 | 126,50 | 251 |
| GHX125/5 | 125,00 | 137,20 | 8,10 | 127,00 | 251 |
| GHX130 | 130,00 | 138,80 | 6,00 | 131,50 | 252 |
| GHX130/5 | 130,00 | 142,20 | 8,10 | 132,00 | 253 |
| GHX135 | 135,00 | 143,80 | 6,00 | 136,50 | 254 |
| GHX135/5 | 135,00 | 147,20 | 8,10 | 137,00 | 254 |
| GHX140 | 140,00 | 148,80 | 6,00 | 141,50 | 255 |
| GHX140/5 | 140,00 | 156,00 | 9,50 | 142,50 | 359 |
| GHX145 | 145,00 | 153,80 | 6,00 | 146,50 | 257 |
| GHX150 | 150,00 | 158,80 | 6,00 | 151,50 | 259 |
| GHX150/5 | 150,00 | 166,00 | 9,50 | 152,50 | 362 |
| GHX155/5 | 155,00 | 171,00 | 9,50 | 157,50 | 362 |
| GHX160 | 160,00 | 168,80 | 6,00 | 161,50 | 260 |
| GHX160/5 | 160,00 | 176,00 | 9,50 | 162,50 | 363 |
| GHX165/5 | 165,00 | 181,00 | 9,50 | 167,50 | 364 |
| GHX170 | 170,00 | 178,80 | 6,00 | 171,50 | 262 |
| GHX170/5 | 170,00 | 186,00 | 9,50 | 172,50 | 365 |
| GHX175/5 | 175,00 | 191,00 | 9,50 | 177,50 | 366 |
| GHX180 | 180,00 | 188,80 | 6,00 | 181,50 | 263 |
| GHX180/5 | 180,00 | 196,00 | 9,50 | 182,50 | 366 |
| GHX190 | 190,00 | 198,80 | 6,00 | 191,50 | 265 |
| GHX190/5 | 190,00 | 206,00 | 9,50 | 192,50 | 368 |
| GHX192 | 192,00 | 208,00 | 9,50 | 194,50 | 368 |
| GHX200 | 200,00 | 208,80 | 6,00 | 201,50 | 266 |
| GHX200/5 | 200,00 | 216,00 | 9,50 | 202,50 | 369 |
| GHX210 | 210,00 | 218,80 | 6,00 | 211,50 | 268 |
| GHX211/5 | 211,00 | 227,00 | 9,50 | 213,50 | 371 |
| GHX220 | 220,00 | 228,80 | 6,00 | 221,50 | 270 |
| GHX220/5 | 220,00 | 238,00 | 9,50 | 222,50 | 373 |
| GHX230 | 230,00 | 238,80 | 6,00 | 231,50 | 271 |
| GHX240 | 240,00 | 248,80 | 6,00 | 241,50 | 273 |
| GHX240/5 | 240,00 | 256,00 | 9,50 | 242,50 | 376 |
| GHX250 | 250,00 | 258,80 | 6,00 | 251,50 | 274 |
| GHX250/5 | 250,00 | 266,00 | 9,50 | 252,50 | 377 |
| GHX260 | 260,00 | 272,20 | 8,40 | 262,00 | 275 |
| GHX260/5 | 260,00 | 276,00 | 9,50 | 262,50 | 378 |
| GHX270/5 | 270,00 | 286,00 | 9,50 | 272,50 | 379 |
| GHX280 | 280,00 | 292,20 | 8,40 | 282,00 | 380 |
| GHX280/5 | 280,00 | 296,00 | 9,50 | 282,50 | 380 |
| GHX300 | 300,00 | 312,20 | 8,40 | 302,00 | 381 |
| GHX300/5 | 300,00 | 316,00 | 9,50 | 302,50 | 381 |
| GHX320 | 320,00 | 332,20 | 8,40 | 322,00 | 382 |
| GHX320/5 | 320,00 | 336,00 | 9,50 | 322,50 | 382 |
| GHX330/5 | 330,00 | 346,00 | 9,50 | 332,50 | 382 |
| GHX350 | 350,00 | 362,20 | 8,40 | 352,00 | 383 |
| GHX350/5 | 350,00 | 366,00 | 9,50 | 352,50 | 383 |
| GHX360 | 360,00 | 372,20 | 8,40 | 362,00 | 383 |
| GHX360/5 | 360,00 | 376,00 | 9,50 | 362,50 | 384 |
| GHX370 | 370,00 | 382,20 | 8,40 | 372,00 | 384 |
| GHX380/5 | 380,00 | 396,00 | 9,50 | 382,50 | 384 |
| GHX400 | 400,00 | 412,20 | 8,40 | 402,00 | 385 |
| GHX400/5 | 400,00 | 424,00 | 14,00 | 402,50 | 461 |
| GHX440 | 440,00 | 456,00 | 11,00 | 442,00 | 465 |
| GHX440/5 | 440,00 | 464,00 | 14,00 | 442,50 | 465 |
| GHX450/5 | 450,00 | 474,00 | 14,00 | 452,50 | 465 |
| GHX480 | 480,00 | 496,00 | 11,00 | 482,00 | 468 |
| GHX480/5 | 480,00 | 504,00 | 14,00 | 482,50 | 468 |
| GHX500/5 | 500,00 | 524,00 | 14,00 | 502,50 | 469 |
| GHX560/5 | 560,00 | 584,00 | 14,00 | 562,50 | 472 |
| GHX600 | 600,00 | 616,00 | 11,00 | 602,00 | 473 |
| GHX600/5 | 600,00 | 624,00 | 14,00 | 602,50 | 473 |
| GHX630 | 630,00 | 646,00 | 11,00 | 632,00 | 474 |



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GHH

RASCADORES
WIPERS

TECNOTEX

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| Versión standar | *Standard version* |
|---|---|
| TPE | *TPE* |

| Velocidad hasta / *Speed up to* |
|---|
| 1,0 m/s |

| Temperatura / *Temperature* |
|---|
| -40°C +140°C |

| Aplicaciones | *Applications* |
|---|---|
| Maquinaria agricola<br>Grúa de camión<br>Cizallas hidráulicas<br>Excavadoras | *Agricutural machinery*<br>*Cargo handling cranes*<br>*Tail Lifts*<br>*Excavators* |

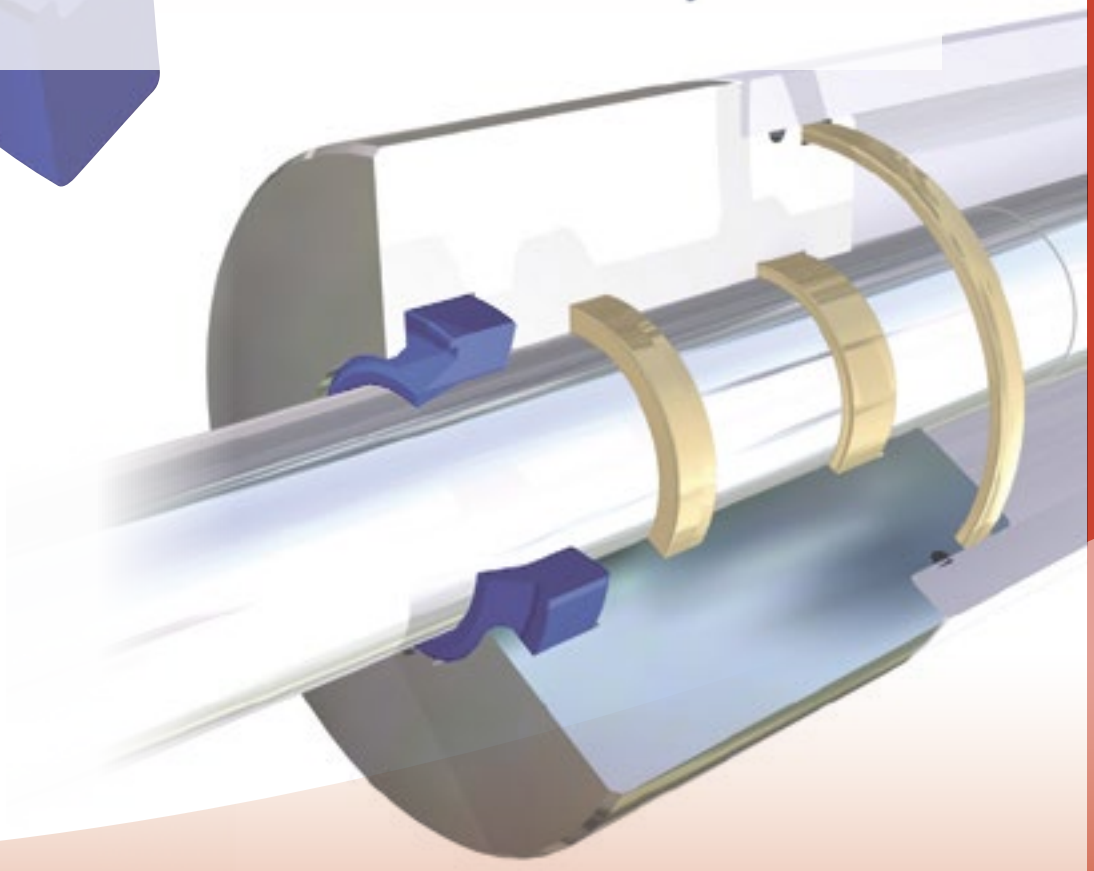


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

GHH

282÷285

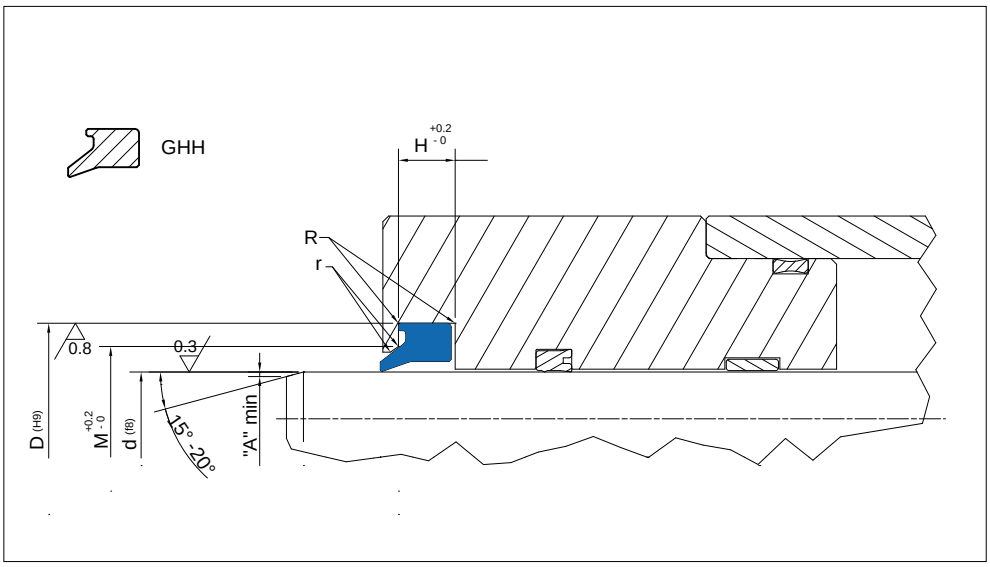
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TECNOTEX

RASCADORES
WIPERS

# GHH






| Design wipers guidelines | | |
|---|---|---|
| **R** | R ≤ 0.5 mm | |
| **r** | r ≤ 0.3 mm | |
| **A** | **D≤ 70mm** | **D≥70mm** |
| | 4 mm | 6 mm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | d | D | H | M |
| **GHH 501** | 32,00 | 38,20 | 3,50 | 34,00 |
| **GHH 501/1** | 32,00 | 40,20 | 4,00 | 35,00 |
| **GHH 502** | 35,00 | 43,20 | 5,00 | 38,00 |
| **GHH 503** | 40,00 | 48,20 | 5,00 | 43,00 |
| **GHH 503/1** | 40,00 | 50,20 | 7,00 | 44,00 |
| **GHH 504** | 45,00 | 53,20 | 5,00 | 48,00 |
| **GHH 504/1** | 46,00 | 51,20 | 5,00 | 48,00 |
| **GHH 505** | 46,00 | 52,20 | 3,50 | 48,00 |
| **GHH 506** | 46,00 | 52,20 | 5,00 | 48,00 |
| **GHH 507** | 50,00 | 58,20 | 5,00 | 53,00 |
| **GHH 508** | 60,00 | 68,20 | 5,00 | 63,00 |
| **GHH 509** | 60,00 | 70,20 | 6,00 | 63,00 |
| **GHH 510** | 61,00 | 67,20 | 3,50 | 63,00 |
| **GHH 511** | 61,00 | 67,20 | 5,00 | 63,00 |
| **GHH 512** | 63,00 | 73,20 | 5,00 | 67,00 |
| **GHH 513** | 65,00 | 75,20 | 6,00 | 69,00 |
| **GHH 514** | 68,00 | 74,20 | 5,00 | 70,00 |
| **GHH 515** | 70,00 | 82,20 | 7,00 | 76,00 |
| **GHH 516** | 72,00 | 78,20 | 3,50 | 75,00 |
| **GHH 516/1** | 72,00 | 82,60 | 5,00 | 77,30 |
| **GHH 517** | 75,00 | 85,20 | 5,00 | 80,00 |
| **GHH 518** | 75,00 | 87,20 | 7,00 | 81,00 |
| **GHH 519** | 76,00 | 82,20 | 3,50 | 79,00 |
| **GHH 520** | 76,00 | 82,20 | 5,00 | 79,00 |
| **GHH 521** | 76,20 | 88,20 | 7,00 | 82,20 |
| **GHH 522** | 80,00 | 88,60 | 5,00 | 83,00 |
| **GHH 523** | 80,00 | 90,20 | 7,00 | 85,00 |
| **GHH 524** | 88,00 | 94,20 | 5,00 | 91,00 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

TECNOTEX

RASCADORES
WIPERS

# GHH

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | d | D | H | M |
| GHH 525 | 90,00 | 105,20 | 7,00 | 97,50 |
| GHH 526 | 91,00 | 97,20 | 3,50 | 94,00 |
| GHH 527 | 91,00 | 97,20 | 5,00 | 94,00 |
| GHH 528 | 91,00 | 101,60 | 5,00 | 96,00 |
| GHH 529 | 100,00 | 108,60 | 5,00 | 104,00 |
| GHH 530 | 100,00 | 110,20 | 5,00 | 105,00 |
| GHH 531 | 105,00 | 120,20 | 7,00 | 112,50 |
| GHH 532 | 107,00 | 113,20 | 3,50 | 110,00 |
| GHH 533 | 107,00 | 113,20 | 5,00 | 110,00 |
| GHH 534 | 110,00 | 120,60 | 5,00 | 115,00 |
| GHH 534/1 | 110,00 | 122,20 | 7,00 | 116,00 |
| GHH 534/2 | 115,00 | 125,20 | 7,00 | 120,00 |
| GHH 535 | 115,00 | 127,20 | 7,00 | 121,00 |
| GHH 536 | 120,00 | 132,20 | 7,00 | 126,00 |
| GHH 537 | 125,00 | 135,20 | 5,00 | 130,00 |
| GHH 538 | 126,00 | 132,20 | 5,00 | 129,00 |
| GHH 539 | 127,00 | 133,20 | 3,50 | 130,00 |
| GHH 540 | 129,00 | 139,60 | 5,00 | 134,00 |
| GHH 541 | 135,00 | 147,20 | 7,00 | 141,00 |
| GHH 542 | 140,00 | 155,20 | 9,50 | 147,60 |
| GHH 543 | 140,00 | 155,20 | 10,00 | 147,60 |
| GHH 544 | 145,00 | 151,20 | 5,00 | 148,00 |
| GHH 544/1 | 145,00 | 155,60 | 7,00 | |
| GHH 545 | 146,00 | 152,20 | 3,50 | 149,00 |
| GHH 545/1 | 149,00 | 159,60 | 5,00 | 154,30 |
| GHH 546 | 165,00 | 171,20 | 5,00 | 168,00 |
| GHH 547 | 166,00 | 172,20 | 3,50 | 169,00 |
| GHH 547/1 | 169,00 | 179,20 | 5,00 | 174,00 |
| GHH 548 | 170,00 | 182,20 | 7,00 | 176,00 |
| GHH 549 | 170,00 | 182,20 | 9,00 | 176,00 |
| GHH 549/1 | 172,00 | 182,60 | 5,00 | 177,00 |
| GHH 550 | 175,00 | 190,20 | 14,00 | 182,50 |
| GHH 551 | 180,00 | 195,20 | 10,00 | 188,00 |
| GHH 552 | 185,00 | 200,20 | 14,00 | 192,50 |
| GHH 553 | 185,00 | 200,20 | 10,00 | 192,50 |
| GHH 554 | 187,00 | 195,20 | 8,00 | 191,00 |
| GHH 555 | 190,00 | 205,20 | 10,00 | 198,00 |
| GHH 556 | 190,00 | 210,20 | 10,00 | 200,00 |
| GHH 556/1 | 191,00 | 201,20 | 5,00 | 196,00 |
| GHH 557 | 192,00 | 207,20 | 8,00 | 199,50 |
| GHH 557/1 | 196,00 | 206,60 | 5,00 | 201,30 |
| GHH 558 | 200,00 | 215,20 | 10,00 | 207,50 |
| GHH 559 | 200,00 | 220,20 | 10,00 | 210,00 |
| GHH 560 | 210,00 | 218,20 | 8,00 | 214,00 |
| GHH 561 | 210,00 | 225,20 | 10,00 | 217,50 |
| GHH 562 | 212,00 | 227,20 | 7,50 | 219,50 |
| GHH 563 | 212,00 | 232,20 | 12,50 | 222,00 |
| GHH 564 | 220,00 | 240,20 | 10,00 | 230,00 |
| GHH 565 | 220,00 | 240,20 | 12,50 | 230,00 |
| GHH 566 | 235,00 | 252,20 | 7,50 | 243,50 |
| GHH 567 | 236,00 | 244,20 | 8,00 | 240,00 |
| GHH 568 | 260,00 | 280,20 | 15,00 | 270,00 |
| GHH 569 | 265,00 | 273,20 | 8,00 | 277,30 |



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# GGW

**RASCADORES**
**WIPERS**

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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano | *Polyurethane* |

| **Velocidad hasta / *Speed up to*** |
|---|
| 0.8 m/s |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Cilindros hidráulicos simple efecto | *Single acting hydraulic cylinders* |

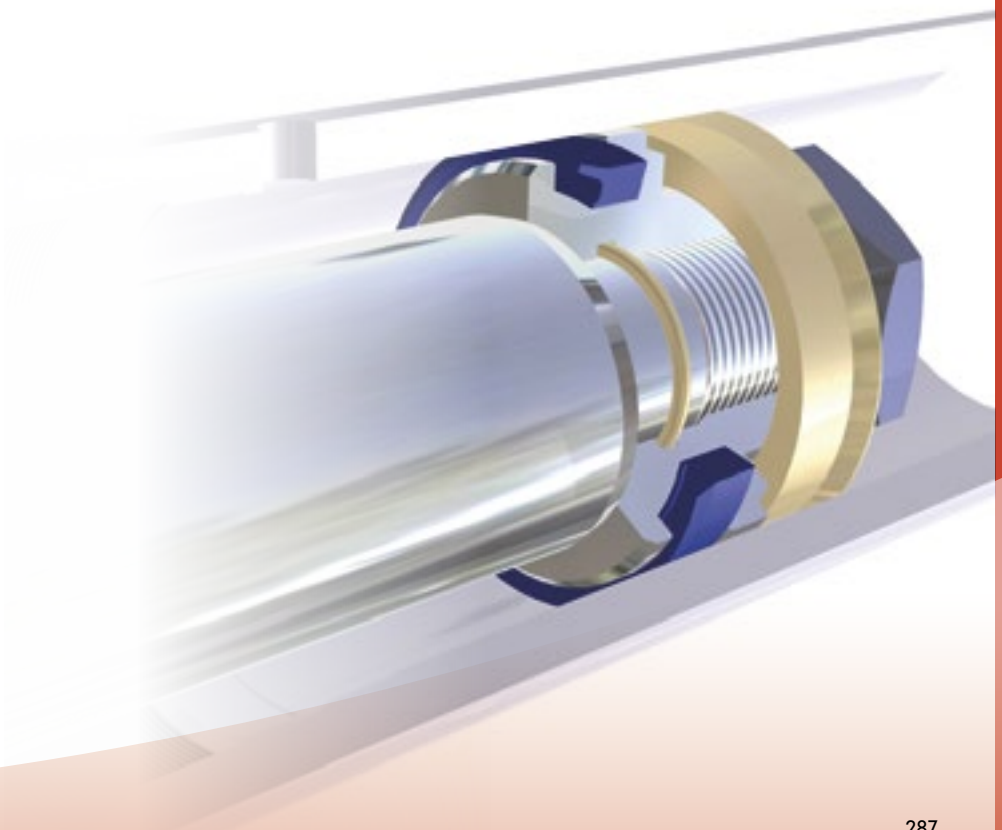


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GGW

286÷288

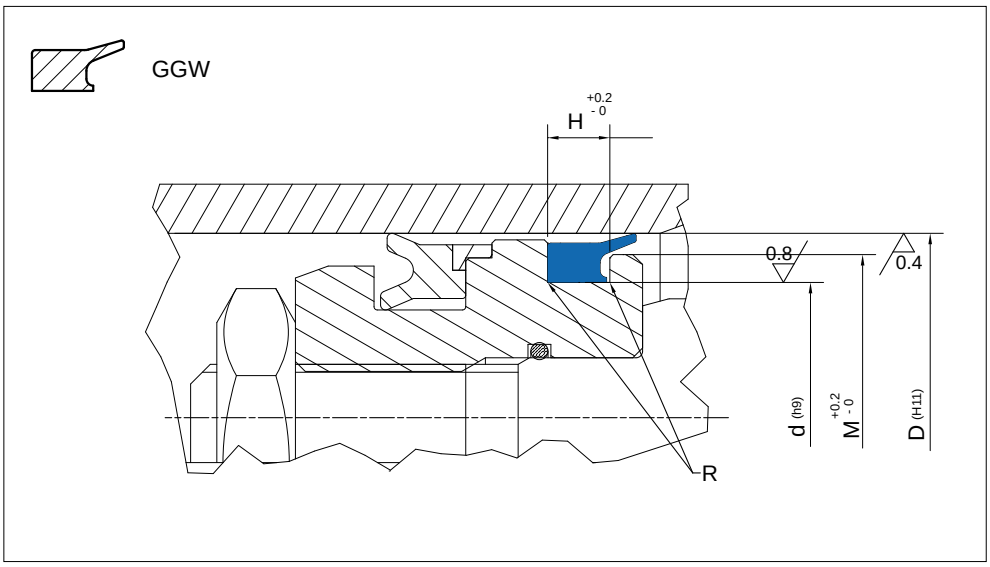
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TECNOLAN

RASCADORES
WIPERS

# GGW






| Design wipers guidelines | | |
|---|---|---|
| **R** | R ≤ 0.5 mm | |
| **r** | r ≤ 0.3 mm | |
| **A** | **D≤ 70mm** | **D≥70mm** |
| | 4 mm | 6 mm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | D | d | H | M |
| GGW 40 | 40,00 | 31,40 | 5,30 | 37,00 |
| GGW 45 | 45,00 | 36,40 | 5,30 | 42,00 |
| GGW 50 | 50,00 | 41,40 | 5,30 | 47,00 |
| GGW 55 | 55,00 | 46,40 | 5,30 | 52,00 |
| GGW 60 | 60,00 | 51,40 | 5,30 | 57,00 |
| GGW 63 | 63,00 | 54,40 | 5,30 | 60,00 |
| GGW 65 | 65,00 | 56,40 | 5,30 | 62,00 |
| **GGW 70** | 70,00 | 61,40 | 5,30 | 67,00 |
| **GGW 75** | 75,00 | 66,40 | 5,30 | 72,00 |
| **GGW 80** | 80,00 | 71,40 | 5,30 | 77,00 |
| **GGW 90** | 90,00 | 81,40 | 5,30 | 87,00 |
| **GGW 95** | 95,00 | 86,40 | 5,30 | 92,00 |
| **GGW 100** | 100,00 | 91,40 | 5,30 | 97,00 |
| **GGW 110** | 110,00 | 101,40 | 5,30 | 107,00 |
| **GGW 115** | 115,00 | 106,40 | 5,30 | 112,00 |
| **GGW 120** | 120,00 | 111,40 | 5,30 | 117,00 |
| **GGW 125** | 125,00 | 116,40 | 5,30 | 122,00 |
| **GGW 140** | 140,00 | 131,40 | 5,30 | 137,00 |
| | | | | |
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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*


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| PERFIL *PROFILE* | TIPO *SEAL TYPE* | Valores • *technical data* MPa | speed m/s | temp. °C | MATERIAL *MATERIAL* | light | medium | heavy | página *page* |
|---|---|---|---|---|---|---|---|---|---|
|  | **GDS** | 50 | - | -35 +100 | Poliuretano *Polyurethane* | • | • • | • • • | 292÷298 |
|  | **GSS/P inch GSS metric** | 40 | - | -35 +100 | Poliuretano *Polyurethane* | • | • • | • • • | 300÷302 |
|  | **O-RING** | * | - | -30 +130 | NBR | • | • • | | 304÷315 |
|  | **GKS inch** | Statica *Static* | | -40 +150 | TPE | • | • • | • • • | 304÷315 |
|  | **GKM metric** | Statica *Static* | | -40 +150 | TPE | • | • • | • • • | 316÷318 |

* depende de las condiciones de empleo
* *depending on working conditions*

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

JUNTAS BESMA, S.A.



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# Juntas
## PARA CIERRE ESTÁTICO

## STATIC seals



# GDS

**Juntas** para CIERRE ESTÁTICO
**STATIC seals**

TECNOLAN

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Suministros Industriales y Servicios

| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano | *Polyurethane* |

| **Presión hasta / *Pressure up to*** | |
|---|---|
| 50 MPa | |

| **Temperatura / *Temperature*** | |
|---|---|
| -35°C +100°C | -45°C +110°C PN 522 |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Prensas<br>Carretillas elevadoras<br>Cilindros hidraúlicos<br>Hidráulica móvil | *Presses*<br>*Fork Lifts*<br>*Hydraulic Cylinders*<br>*Mobile hydraulics* |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GDS

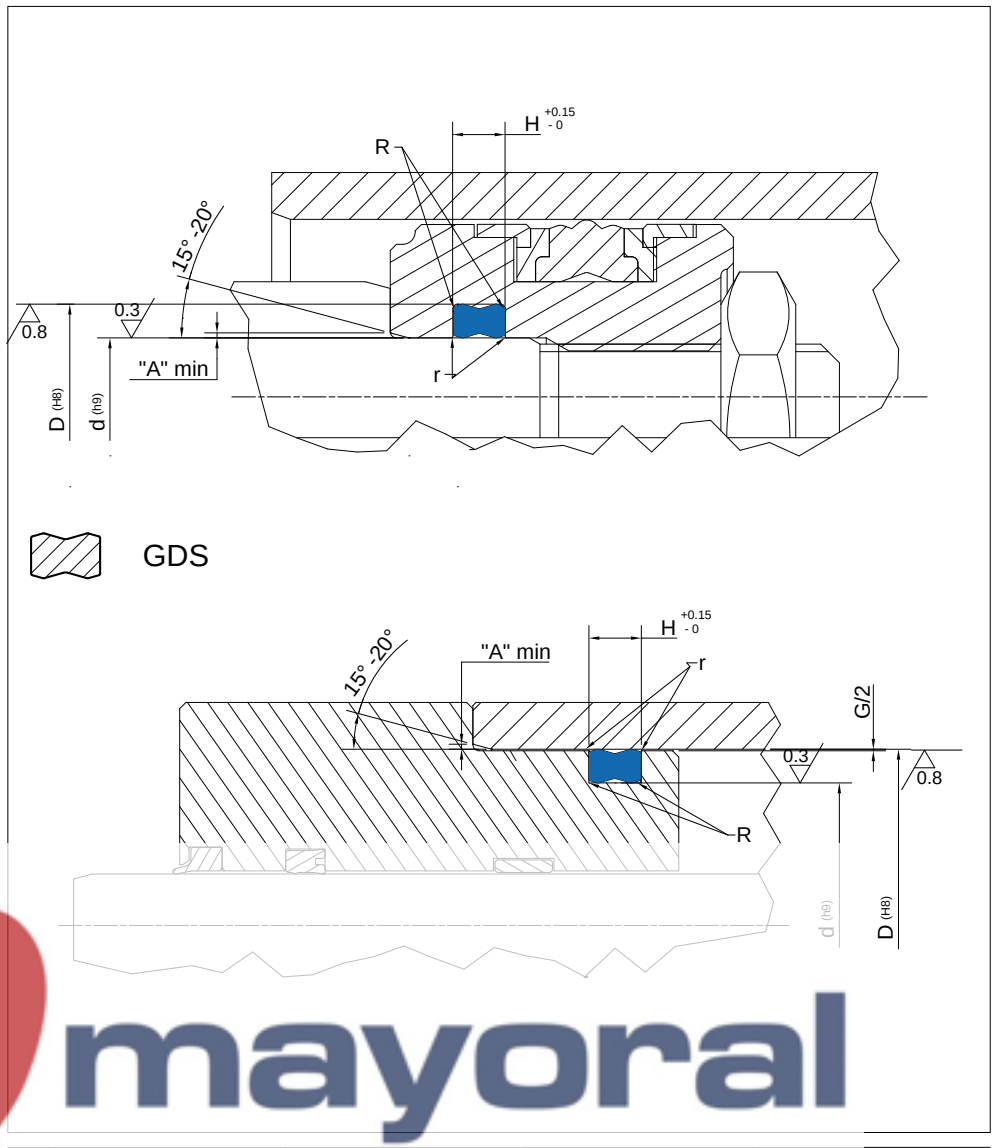
292÷298



TECNOLAN

Juntas para
CIERRE ESTÁTICO
STATIC seals

# GDS 2000






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Static Seal design guidelines

| | | | | |
|---|---|---|---|---|
| R | 3mm < d ≤ 20mm | 20mm < d ≤ 50mm | 50mm < d ≤ 100mm | d ≥ 100mm |
| | max 0.50 mm | max 0.80 mm | max 1 mm | max 1.5 mm |
| r | remove sharp edges: r ≤ 0.3mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| G | Operating pressure to determinate Maximum Gap Allowance: G/2 | | | |
|---|---|---|---|---|
| | 10 MPa | 20 MPa | 30 MPa | 40 MPa |
| | 0.50 mm | 0.40 mm | 0.25 mm | 0.18 mm |

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | D | d | H |
| **GDS 2000** | 6,00 | 12,00 | 3,10 |
| **GDS 2000/1** | 6,00 | 4,60 | 2,40 |
| **GDS 2000/2** | 10,00 | 7,60 | 3,60 |
| **GDS 2000/3** | 11,00 | 8,60 | 2,60 |
| **GDS 2000/4** | 12,00 | 9,60 | 3,60 |
| **GDS 2000/5** | 13,80 | 9,20 | 3,10 |
| **GDS 2000/6** | 15,00 | 12,60 | 3,60 |
| **GDS 2000/7** | 15,50 | 13,10 | 3,60 |
| **GDS 2000/8** | 16,00 | 13,60 | 3,60 |
| **GDS 2001** | 16,60 | 12,00 | 3,10 |
| **GDS 2002** | 17,00 | 14,60 | 3,60 |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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Juntas para
CIERRE ESTÁTICO
STATIC seals

# GDS 2000

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | D | d | H |
| GDS 2003 | 18,00 | 14,00 | 5,80 |
| GDS 2004 | 19,00 | 15,60 | 4,40 |
| GDS 2004/1 | 19,00 | 15,60 | 3,60 |
| GDS 2004/2 | 19,00 | 16,60 | 2,60 |
| GDS 2004/3 | 19,00 | 16,60 | 3,60 |
| GDS 2005 | 20,00 | 16,00 | 5,80 |
| GDS 2005/1 | 20,00 | 16,60 | 4,40 |
| GDS 2005/2 | 20,00 | 16,60 | 3,60 |
| GDS 2005/3 | 20,00 | 17,60 | 3,60 |
| GDS 2006 | 20,50 | 17,20 | 5,00 |
| GDS 2006/1 | 21,00 | 17,60 | 4,40 |
| GDS 2006/2 | 21,00 | 18,60 | 3,60 |
| GDS 2006/7 | 21,50 | 18,10 | 4,40 |
| GDS 2006/3 | 21,50 | 19,10 | 2,60 |
| GDS 2006/4 | 22,00 | 19,60 | 3,60 |
| GDS 2006/5 | 23,00 | 19,60 | 4,40 |
| GDS 2006/6 | 23,00 | 20,60 | 3,60 |
| GDS 2007 | 24,00 | 20,00 | 4,80 |
| GDS 2007/1 | 24,00 | 21,60 | 3,60 |
| GDS 2007/2 | 26,00 | 22,00 | 4,40 |
| GDS 2008 | 26,80 | 22,00 | 5,40 |
| GDS 2008/1 | 28,00 | 23,80 | 5,30 |
| GDS 2008/2 | 28,60 | 25,60 | 3,60 |
| GDS 2008/3 | 30,00 | 25,10 | 4,40 |
| GDS 2009 | 30,00 | 25,40 | 5,40 |
| GDS 2009/3 | 30,00 | 26,00 | 5,00 |
| GDS 2009/2 | 31,00 | 26,40 | 5,00 |
| GDS 2009/3 | 32,00 | 27,40 | 5,40 |
| GDS 2009/9 | 32,00 | 28,00 | 5,00 |
| GDS 2009/4 | 34,00 | 28,40 | 5,30 |
| GDS 2009/5 | 34,00 | 31,10 | 3,60 |
| GDS 2009/1 | 35,00 | 30,00 | 4,50 |
| GDS 2009/6 | 35,00 | 30,40 | 5,00 |
| GDS 2009/7 | 35,50 | 30,90 | 5,00 |
| GDS 2009/10 | 35,00 | 31,00 | 5,00 |
| GDS 2010 | 36,00 | 32,00 | 6,20 |
| GDS 2010/2 | 38,00 | 32,40 | 5,30 |
| GDS 2010/1 | 40,00 | 33,40 | 4,10 |
| GDS 2011 | 40,00 | 35,20 | 5,40 |
| GDS 2012 | 40,00 | 35,40 | 5,40 |
| GDS 2012/1 | 40,60 | 35,10 | 4,80 |
| GDS 2012/2 | 40,00 | 36,00 | 5,00 |
| GDS 2013 | 42,80 | 38,00 | 6,80 |
| GDS 2013/1 | 43,40 | 37,80 | 6,20 |
| GDS 2014 | 45,00 | 35,80 | 9,60 |
| GDS 2015 | 45,00 | 40,00 | 5,40 |
| GDS 2015/1 | 48,00 | 42,40 | 3,50 |
| GDS 2015/2 | 48,00 | 43,00 | 4,10 |
| GDS 2015/3 | 48,00 | 44,40 | 4,50 |
| GDS 2016 | 50,00 | 40,80 | 9,60 |
| GDS 2016/1 | 50,00 | 43,80 | 5,60 |
| GDS 2017 | 50,00 | 44,60 | 6,20 |

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CIERRE ESTÁTICO
STATIC seals

# GDS 2000

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | D | d | H |
| GDS 2017/3 | 50,00 | 45,40 | 3,90 |
| GDS 2017/5 | 50,00 | 45,40 | 5,40 |
| GDS 2017/1 | 50,00 | 45,00 | 5,60 |
| GDS 2017/2 | 52,00 | 42,00 | 5,60 |
| GDS 2017/4 | 55,00 | 45,80 | 9,80 |
| GDS 2018 | 55,00 | 49,60 | 6,20 |
| GDS 2019 | 55,00 | 49,90 | 5,30 |
| GDS 2019/1 | 55,00 | 50,00 | 6,70 |
| GDS 2020 | 55,00 | 51,00 | 3,50 |
| GDS 2021 | 57,00 | 52,20 | 4,10 |
| GDS 2021/5 | 58,00 | 50,00 | 9,00 |
| GDS 2021/1 | 58,00 | 52,60 | 4,10 |
| GDS 2021/2 | 58,00 | 53,40 | 4,00 |
| GDS 2021/3 | 58,50 | 54,50 | 3,30 |
| GDS 2021/6 | 60,00 | 50,80 | 9,70 |
| GDS 2021/4 | 60,00 | 53,60 | 5,60 |
| GDS 2022 | 60,00 | 54,40 | 5,80 |
| GDS 2023 | 60,00 | 54,60 | 6,20 |
| GDS 2024 | 63,00 | 53,80 | 9,60 |
| GDS 2025 | 63,00 | 56,60 | 6,40 |
| GDS 2026 | 63,00 | 57,40 | 4,80 |
| GDS 2027 | 63,00 | 57,60 | 6,20 |
| GDS 2027/2 | 63,00 | 58,40 | 5,40 |
| GDS 2027/1 | 64,00 | 59,00 | 3,30 |
| GDS 2028 | 65,00 | 59,40 | 5,00 |
| GDS 2029 | 65,00 | 59,60 | 6,20 |
| GDS 2030 | 65,00 | 60,00 | 5,00 |
| GDS 2030/2 | 65,50 | 61,10 | 5,00 |
| GDS 2030/1 | 68,00 | 62,70 | 5,00 |
| GDS 2030/3 | 69,80 | 65,00 | 3,90 |
| GDS 2031 | 71,00 | 65,00 | 6,00 |
| GDS 2031/1 | 70,00 | 64,60 | 6,20 |
| GDS 2032 | 70,00 | 65,00 | 5,00 |
| GDS 2032/1 | 70,00 | 66,40 | 6,20 |
| GDS 2033 | 72,00 | 66,40 | 5,00 |
| GDS 2033/1 | 72,80 | 65,70 | 5,00 |
| GDS 2033/2 | 73,50 | 70,00 | 5,00 |
| GDS 2033/3 | 74,60 | 70,00 | 3,80 |
| GDS 2033/4 | 75,00 | 65,80 | 9,70 |
| GDS 2034 | 75,00 | 69,40 | 5,30 |
| GDS 2035 | 75,00 | 69,60 | 6,20 |
| GDS 2036 | 76,60 | 72,00 | 4,80 |
| GDS 2036/1 | 77,00 | 70,80 | 6,20 |
| GDS 2037 | 78,00 | 73,00 | 5,00 |
| GDS 2037/1 | 70,00 | 70,80 | 9,00 |
| GDS 2038 | 80,00 | 70,80 | 9,70 |
| GDS 2039 | 80,00 | 73,60 | 6,40 |
| GDS 2040 | 80,00 | 73,80 | 6,90 |
| GDS 2041 | 80,00 | 74,40 | 5,30 |
| GDS 2041/5 | 80,00 | 74,60 | 6,20 |
| GDS 2041/3 | 80,00 | 75,40 | 5,40 |
| GDS 2041/4 | 80,00 | 76,00 | 3,60 |



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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

# GDS 2000

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | D | d | H |
| GDS 2041/2 | 82,00 | 76,90 | 3,00 |
| GDS 2041/1 | 85,00 | 78,60 | 6,40 |
| GDS 2042 | 85,00 | 79,40 | 5,30 |
| GDS 2042/2 | 85,00 | 79,60 | 6,20 |
| GDS 2042/1 | 85,10 | 80,50 | 3,90 |
| GDS 2043 | 90,00 | 81,40 | 9,00 |
| GDS 2044 | 90,00 | 83,00 | 6,50 |
| GDS 2045 | 90,00 | 84,40 | 4,80 |
| GDS 2045/1 | 91,60 | 84,60 | 6,30 |
| GDS 2045/6 | 93,00 | 87,40 | 5,30 |
| GDS 2045/2 | 95,00 | 88,30 | 4,40 |
| GDS 2045/3 | 95,00 | 88,30 | 6,90 |
| GDS 2045/9 | 95,00 | 86,40 | 9,00 |
| GDS 2045/7 | 95,00 | 89,40 | 6,20 |
| GDS 2045/8 | 97,00 | 91,40 | 4,80 |
| GDS 2045/4 | 100,00 | 90,00 | 10,50 |
| GDS 2045/5 | 100,00 | 90,20 | 9,00 |
| GDS 2046 | 100,00 | 90,80 | 9,70 |
| GDS 2047 | 100,00 | 91,60 | 8,60 |
| GDS 2048 | 100,00 | 91,40 | 9,00 |
| GDS 2049 | 100,00 | 93,80 | 6,90 |
| GDS 2049/1 | 101,60 | 89,20 | 9,00 |
| GDS 2049/4 | 102,00 | 95,80 | 6,20 |
| GDS 2049/5 | 105,00 | 96,40 | 9,00 |
| GDS 2049/2 | 108,80 | 101,60 | 6,00 |
| GDS 2049/3 | 110,00 | 100,50 | 9,00 |
| GDS 2050 | 110,00 | 101,40 | 9,00 |
| GDS 2050/1 | 110,00 | 100,80 | 9,70 |
| GDS 2050/8 | 110,20 | 100,60 | 9,00 |
| GDS 2050/6 | 114,00 | 107,80 | 6,20 |
| GDS 2050/9 | 115,00 | 106,40 | 9,00 |
| GDS 2050/7 | 115,00 | 106,60 | 8,60 |
| GDS 2050/3 | 120,10 | 110,00 | 9,00 |
| GDS 2050/2 | 120,00 | 111,40 | 9,00 |
| GDS 2050/4 | 120,10 | 114,40 | 9,00 |
| GDS 2050/5 | 120,10 | 113,00 | 6,30 |
| GDS 2050/10 | 120,20 | 110,60 | 9,00 |
| GDS 2051 | 125,00 | 115,80 | 9,70 |
| GDS 2052 | 125,00 | 116,40 | 9,00 |
| GDS 2053 | 125,00 | 116,60 | 8,60 |
| GDS 2053/1 | 130,00 | 121,40 | 9,00 |
| GDS 2053/2 | 135,00 | 123,40 | 12,30 |
| GDS 2054 | 140,00 | 128,40 | 12,30 |
| GDS 2054/1 | 140,00 | 130,80 | 9,70 |
| GDS 2055 | 140,00 | 131,60 | 8,60 |
| GDS 2055/1 | 142,00 | 132,00 | 10,50 |
| GDS 2056 | 150,00 | 138,40 | 12,30 |
| GDS 2056/2 | 150,00 | 140,80 | 9,70 |
| GDS 2056/1 | 150,00 | 141,60 | 8,60 |
| GDS 2057 | 160,00 | 148,40 | 12,30 |
| GDS 2057/2 | 160,00 | 150,80 | 9,70 |
| GDS 2057/1 | 162,00 | 152,00 | 10,50 |



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STATIC seals

# GDS 2000

| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | |
|---|---|---|---|
| | D | d | H |
| **GDS 2058** | 165,00 | 153,40 | 12,30 |
| **GDS 2058/1** | 165,00 | 153,70 | 6,30 |
| **GDS 2058/2** | 165,00 | 155,80 | 9,70 |
| **GDS 2059** | 165,00 | 156,60 | 8,60 |
| **GDS 2060** | 170,00 | 158,40 | 12,30 |
| **GDS 2061** | 170,00 | 160,80 | 9,70 |
| **GDS 2062** | 180,00 | 168,40 | 12,30 |
| **GDS 2062/1** | 180,00 | 170,80 | 9,70 |
| **GDS 2063** | 180,00 | 171,60 | 8,60 |
| **GDS 2063/1** | 182,00 | 172,00 | 10,50 |
| **GDS 2063/2** | 190,00 | 178,40 | 12,30 |
| **GDS 2064** | 200,00 | 188,40 | 12,30 |
| **GDS 2064/3** | 200,00 | 190,80 | 9,70 |
| **GDS 2064/4** | 200,00 | 191,60 | 8,60 |
| **GDS 2064/1** | 204,00 | 194,00 | 10,50 |
| **GDS 2064/5** | 220,00 | 208,40 | 12,30 |
| **GDS 2064/2** | 223,00 | 211,50 | 9,00 |
| **GDS 2065** | 225,00 | 213,00 | 10,70 |
| **GDS 2066** | 250,00 | 238,40 | 12,30 |
| **GDS 2067** | 250,00 | 238,00 | 10,70 |
| **GDS 2067/1** | 250,00 | 240,80 | 9,70 |
| **GDS 2068** | 270,00 | 258,40 | 12,30 |
| **GDS 2069** | 280,00 | 268,00 | 10,70 |
| **GDS 2069/1** | 280,00 | 268,40 | 12,30 |
| **GDS 2070** | 300,00 | 288,00 | 10,70 |
| **GDS 2070/1** | 300,00 | 288,40 | 12,30 |
| **GDS 2071** | 320,00 | 308,40 | 12,30 |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*


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# GSS
# GSS/P

**Juntas** para CIERRE ESTÁTICO
**STATIC seals**

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| **Versión standar** | ***Standard version*** |
|---|---|
| Poliuretano | *Polyurethane* |

| **Presión hasta / *Pressure up to*** |
|---|
| 40 MPa |

| **Temperatura / *Temperature*** |
|---|
| -35°C +100°C |

| **Aplicaciones** | ***Applications*** |
|---|---|
| Máquinas mecánicas de mantenimiento<br>Hidráulica móvil | *Handling Equipment*<br>*Mobile hydraulics* |

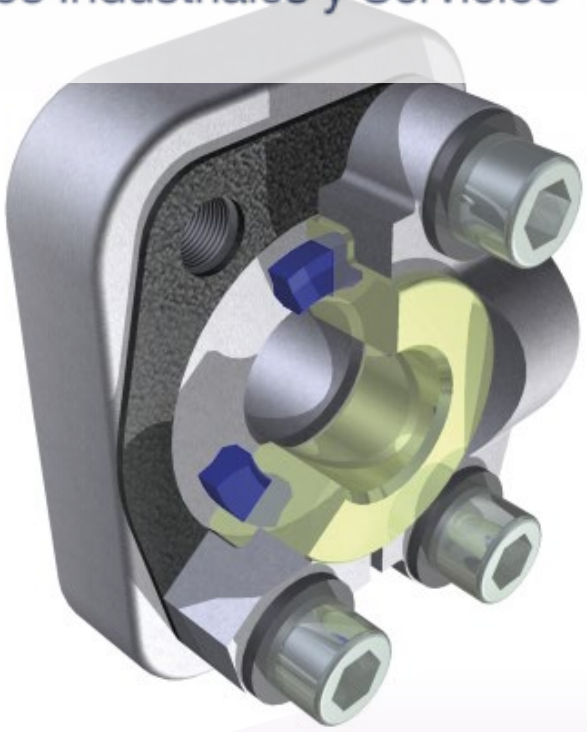


Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# GSS • GSS/P

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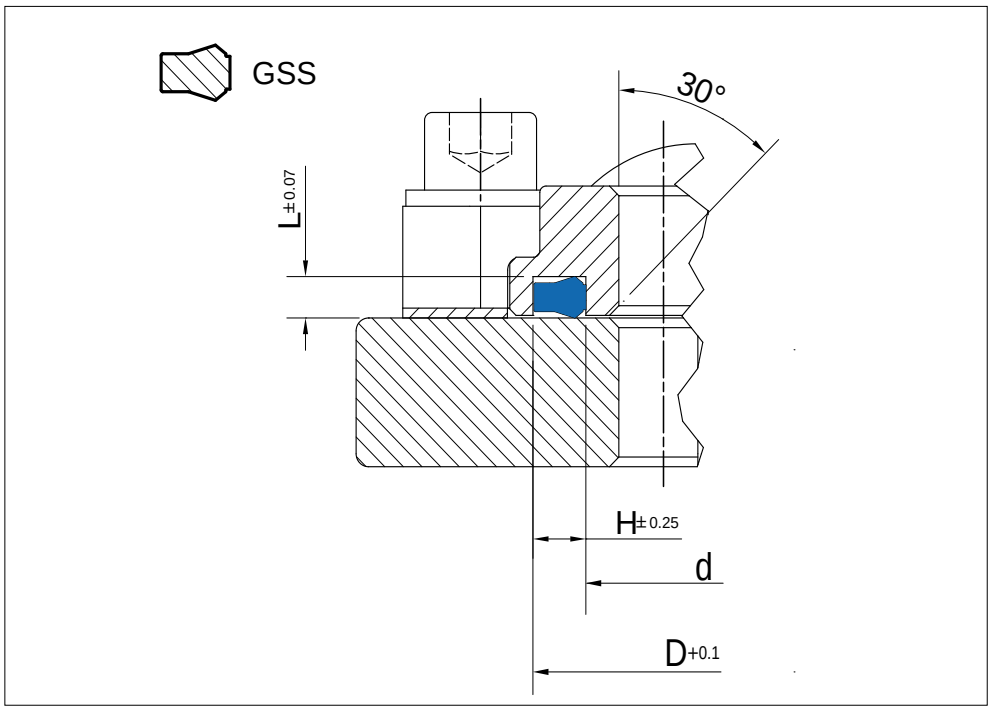
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Juntas para
CIERRE ESTÁTICO
STATIC seals

# GSS
# GSS/P






| PART NR | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|
| | d | D | H | L |
| GSS 001 | 6,00 | 12,00 | 3,00 | 2,10 |
| GSS 002 | 8,00 | 14,00 | 3,00 | 2,10 |
| GSS 003 | 10,00 | 16,00 | 3,00 | 2,10 |
| GSS 004 | 12,00 | 18,00 | 3,00 | 2,10 |
| GSS 005 | 14,00 | 21,00 | 3,50 | 2,10 |
| GSS 006 | 16,00 | 23,00 | 3,50 | 2,40 |
| GSS 007 | 20,00 | 28,00 | 3,50 | 2,10 |
| GSS 008 | 24,00 | 30,00 | 3,00 | 2,10 |
| GSS 009 | 24,60 | 31,80 | 3,60 | 2,60 |
| **GSS 010** | 25,00 | 33,00 | 4,00 | 2,10 |
| **GSS 011** | 26,30 | 33,50 | 3,60 | 2,10 |
| **GSS 012** | 30,00 | 38,00 | 4,00 | 2,10 |
| **GSS 013** | 32,00 | 40,00 | 4,00 | 3,30 |
| **GSS 014** | 32,00 | 40,00 | 4,00 | 3,00 |
| **GSS 015** | 40,00 | 48,00 | 4,00 | 3,00 |

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| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | |
|---|---|---|---|---|---|
| | | d | D | H | L |
| **GSS/P 150** | 1/2 " | 17,00 | 25,40 | 4,20 | 2,85 |
| **GSS/P 151** | 3/4" | 23,40 | 31,80 | 4,20 | 2,85 |
| **GSS/P 152** | 1" | 31,24 | 39,62 | 4,20 | 2,85 |
| **GSS/P 153** | 1 1/4" | 36,10 | 44,50 | 4,20 | 2,85 |
| **GSS/P 154** | 1 1/2" | 45,40 | 53,80 | 4,20 | 2,85 |
| **GSS/P 155** | 2" | 55,00 | 63,40 | 4,20 | 2,85 |
| **GSS/P 156** | 2 1/2" | 67,80 | 76,20 | 4,20 | 2,85 |
| **GSS/P 157** | 3" | 83,55 | 91,95 | 4,20 | 2,85 |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*


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# O-RING
# GKS
# GKM

**Juntas** para CIERRE ESTÁTICO
**STATIC seals**

TECNORING



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| Versión standar | | *Standard version* | |
|---|---|---|---|
| O-RING | NBR | *O-RING* | *NBR* |
| GKS | TPE | *GKS* | *TPE* |
| GKM | TPE | *GKM* | *TPE* |

| **Versión alternativa** | | ***Alternative Versions*** | |
|---|---|---|---|
| O-RING FKM | NBR FKM | *O-RING FKM* | *NBR FKM* |
| O-RING PU | Poliuretano | *O-RING PU* | *Polyurethane* |

| **Presión hasta / *Pressure up to*** | |
|---|---|
| Estático/*Static Radial Sealing*<br>20 MPa (OR)<br>40 MPa (OR+GKS) (OR+GKM)<br>200 MPa (OR+GKS special) | Dinamica/*Dynamic Radial Sealing*<br>Oltre/*Over* 5 MPa (OR+GKS) (OR+GKM) |

| **Velocidad DINAMICA hasta/*DYNAMIC Speed up to*** |
|---|
| 0.5 m/s |

| **Velocidad de ROTACION hasta/*ROTATION Speed up to*** |
|---|
| 2 m/s |

| **Temperatura / *Temperature*** | | | |
|---|---|---|---|
| -30°C +110°C NBR | -20°C +200°C FKM | -35°C+100°C PU | -40°C +140°C TPE |



Para dimensiones diferentes de las listadas, rogamos consulten.
*For special applications, Please contact us.*

# O-RING • GKS • GKM

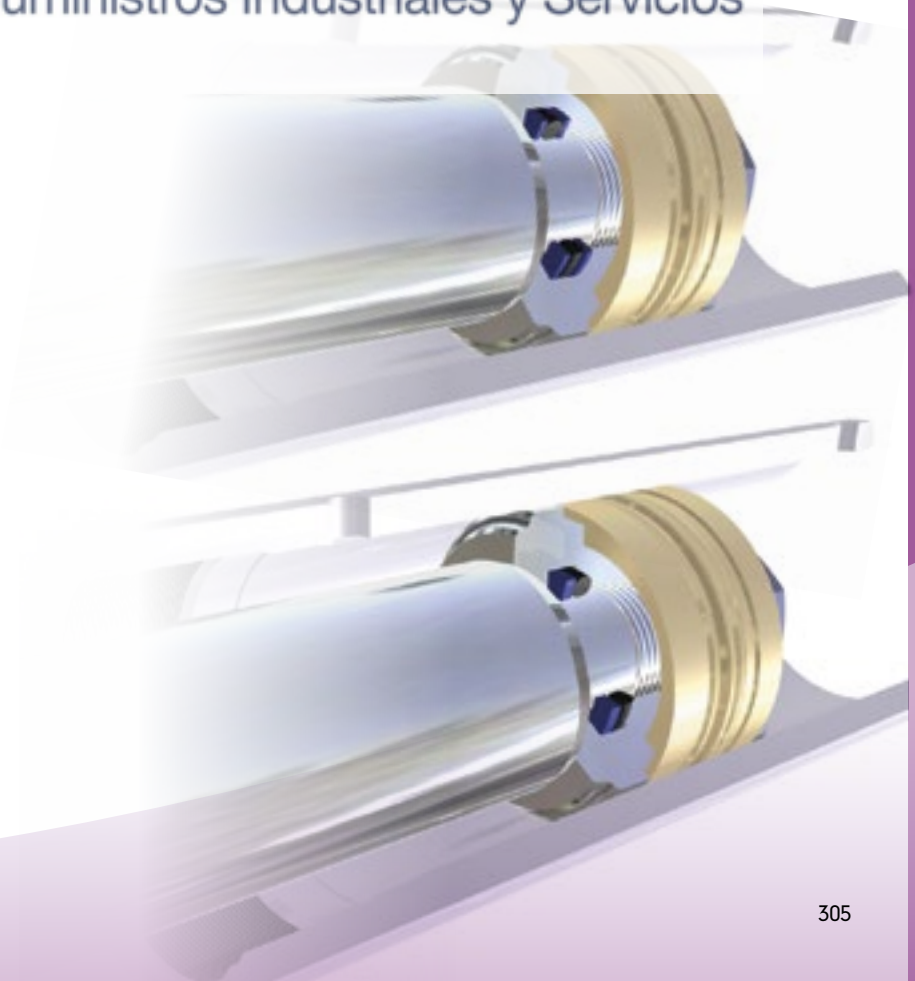
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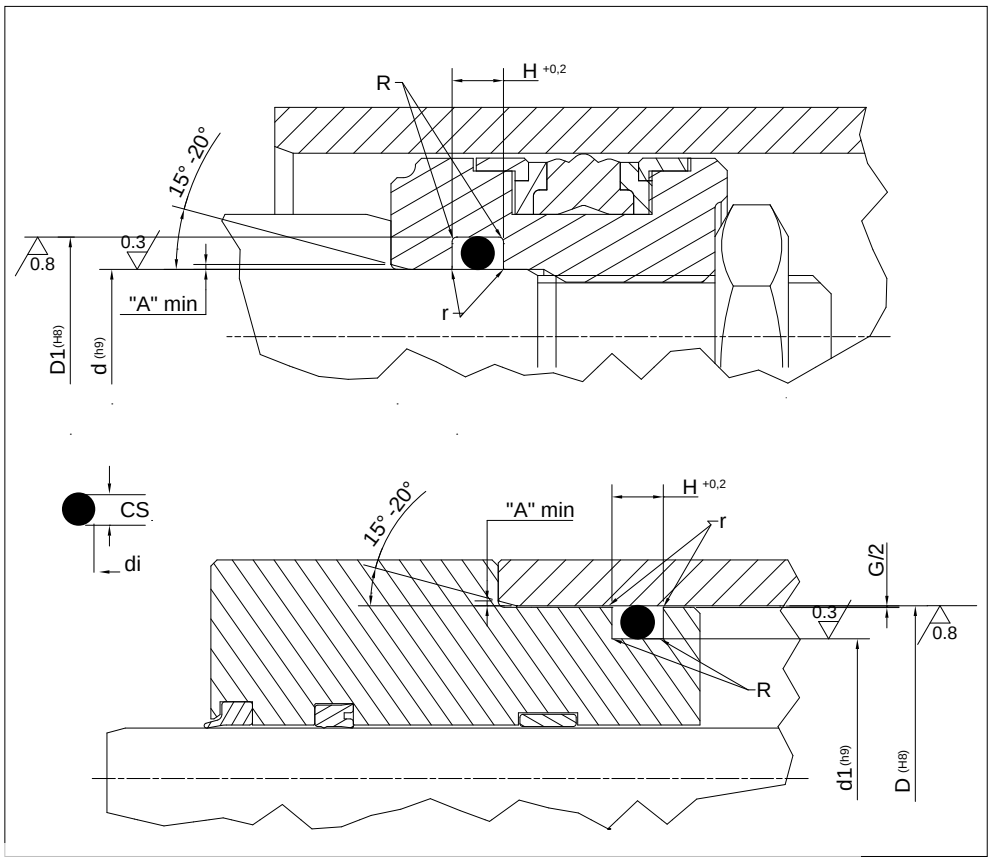






TECNORING
Juntas para
CIERRE ESTÁTICO
STATIC seals

# O-RING GKS






| Static Seal design guidelines | | | | |
|---|---|---|---|---|
| | 0mm < d ≤ 20mm | 20mm < d ≤ 50mm | 50mm < d ≤ 100mm | d ≥ 100mm |
| R | max 0.50 mm | max 0.80 mm | max 1 mm | max 1.5 mm |
| r | remove sharp edges: r ≤ 0.3mm | | | |
| A | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| Operating pressure to determinate Maximum Gap Allowance: G/2 | | | | |
|---|---|---|---|---|
| O-ring Cross Section (CS) | > 16 MPa | > 26 MPa | > 32 MPa | > 40 MPa |
| 1.78 | 0.40 mm | 0.30 mm | 0.25 mm | 0.20 mm |
| 2.62 | 0.70 mm | 0.60 mm | 0.50 mm | 0.30 mm |
| 3.53 | 1.00 mm | 0.80 mm | 0.70 mm | 0.50 mm |
| 5.34 | 1.00 mm | 0.80 mm | 0.70 mm | 0.50 mm |
| 6.99 | 1.10 mm | 0.90 mm | 0.70 mm | 0.70 mm |

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| TECNORING | | | O-Ring Dimensions | | Housing Dimensions | | | | | GDS for O-Ring grooves | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NR | OR UK | U.S.A | di | CS | H | D | d1 | d | D1 | OR | OR+1GKS | OR+2GKS |
| 10.001 | 2007 | 004 | 1,78 | 1,78 | | | | | | 2,50 | 4,00 | 5,50 |
| 10.002 | 2010 | 005 | 2,57 | 1,78 | | | | | | | | |
| 10.003 | 101 2012 | 006 | 2,90 | 1,78 | 2,40 | 6,35 | 3,73 | 3,12 | 5,74 | | | |
| 10.004 | | 801 | 3,17 | 1,78 | | | | | | | | |
| 10.005 | 102 2015 | 007 | 3,69 | 1,78 | 2,40 | 7,14 | 4,52 | 3,91 | 6,53 | | | |
| 10.006 | 103 2018 | 008 | 4,47 | 1,78 | 2,40 | 7,93 | 5,31 | 4,70 | 7,32 | | | |
| 10.006/1 | | 802 | 4,76 | 1,78 | | | | | | | | |
| 10.007 | 104 2021 | 009 | 5,28 | 1,78 | 2,40 | 8,74 | 6,12 | 5,51 | 8,13 | | | |
| 10.008 | 105 2025 | 010 | 6,07 | 1,78 | 2,40 | 9,53 | 6,91 | 6,30 | 8,92 | | | |
| 10.008/1 | | 803 | 6,35 | 1,78 | | | | | | | | |
| 10.009 | 106 | 610 | 6,75 | 1,78 | 2,40 | 10,32 | 7,70 | 7,08 | 9,70 | | | |
| 10.010 | 107 2031 | 011 | 7,65 | 1,78 | 2,40 | 11,11 | 8,49 | 7,78 | 10,49 | | | |
| 10.010/1 | | 804 | 7,94 | 1,78 | | | | | | | | |
| 10.011 | | | 8,48 | 1,78 | | | | | | | | |
| 10.012 | 108 | 611 | 8,73 | 1,78 | 2,40 | 12,30 | 9,68 | 9,07 | 11,69 | | | |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| TECNORING | | | | O-Ring Dimensions | | Housing Dimensions | | | | | GDS for O-Ring grooves | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NR | OR UK | | U.S.A | di | CS | H | D | d1 | d | D1 | OR | OR+1GKS | OR+2GKS |
| 10.013 | 110 | 2037 | 012 | 9,25 | 1,78 | 2,40 | 12,70 | 10,08 | 9,47 | 12,09 | | | |
| 10.013/1 | | | | 9,52 | 1,78 | | | | | | | | |
| 10.014 | | | | 9,75 | 1,78 | | | | | | | | |
| 10.015 | | 2043 | 013 | 10,82 | 1,78 | 2,40 | 14,30 | 11,68 | 11,10 | 13,72 | | | |
| 10.016 | 114 | | 806 | 11,11 | 1,78 | 2,40 | 14,68 | 12,06 | 11,51 | 14,13 | | | |
| 10.017 | | 2050 | 014 | 12,42 | 1,78 | 2,40 | 15,88 | 13,26 | 12,70 | 15,32 | | | |
| 10.018 | | 2056 | 015 | 14,00 | 1,78 | 2,40 | 17,48 | 14,86 | 14,28 | 16,90 | | | |
| 10.019 | | 2062 | 016 | 15,60 | 1,78 | 2,40 | 19,05 | 16,43 | 15,88 | 18,50 | | | |
| 10.020 | | 2068 | 017 | 17,17 | 1,78 | 2,40 | 20,63 | 18,01 | 17,48 | 20,10 | | | |
| 10.021 | | 2075 | 018 | 18,77 | 1,78 | 2,40 | 22,23 | 19,61 | 19,05 | 21,67 | | | |
| 10.022 | | 2081 | 019 | 20,35 | 1,78 | 2,40 | 23,80 | 21,18 | 20,63 | 23,25 | | | |
| 10.023 | | 2087 | 020 | 21,95 | 1,78 | 2,40 | 25,40 | 22,78 | 22,23 | 24,85 | | | |
| 10.024 | | 2093 | 021 | 23,52 | 1,78 | 2,40 | 26,98 | 24,36 | 23,81 | 26,42 | | | |
| 10.025 | | 2100 | 022 | 25,12 | 1,78 | 2,40 | 28,58 | 25,96 | 25,40 | 28,02 | | | |
| 10.026 | | 2106 | 023 | 26,70 | 1,78 | 2,40 | 30,18 | 27,56 | 26,98 | 29,60 | | | |
| 10.027 | | 2112 | 024 | 28,30 | 1,78 | 2,40 | 31,75 | 29,13 | 28,58 | 31,20 | | | |
| 10.028 | | 2118 | 025 | 29,87 | 1,78 | 2,40 | 33,33 | 30,71 | 30,18 | 32,80 | | | |
| 10.029 | | 2125 | 026 | 31,47 | 1,78 | 2,40 | 34,93 | 32,31 | 31,75 | 34,37 | | | |
| 10.030 | | 2131 | 027 | 33,05 | 1,78 | 2,40 | 36,50 | 33,88 | 33,33 | 35,95 | | | |
| 10.031 | | 2137 | 028 | 34,65 | 1,78 | 2,40 | 38,10 | 35,48 | 34,93 | 37,55 | | | |
| 10.031/1 | | | 517 | 36,27 | 1,78 | 2,40 | | | | | | | |
| 10.032 | | 2150 | 029 | 37,82 | 1,78 | 2,40 | | | | | | | |
| 10.032/1 | | | 519 | 39,45 | 1,78 | 2,40 | | | | | | | |
| 10.033 | | 2162 | 030 | 41,00 | 1,78 | 2,40 | | | | | | | |
| 10.034 | | 2175 | 031 | 44,17 | 1,78 | 2,40 | | | | | | | |
| 10.035 | | 2187 | 032 | 47,35 | 1,78 | 2,40 | | | | | 2,60 | 4,00 | 5,50 |
| 10.036 | | 2200 | 033 | 50,52 | 1,78 | 2,40 | | | | | | | |
| 10.037 | | 2212 | 034 | 53,70 | 1,78 | 2,40 | | | | | | | |
| 10.038 | | 2225 | 035 | 56,87 | 1,78 | 2,40 | | | | | | | |
| 10.039 | | 2237 | 036 | 60,04 | 1,78 | 2,40 | | | | | | | |
| 10.040 | | 2250 | 037 | 63,22 | 1,78 | 2,40 | | | | | | | |
| 10.041 | | 2262 | 038 | 66,40 | 1,78 | 2,40 | | | | | | | |
| 10.042 | | 2275 | 039 | 69,57 | 1,78 | 2,40 | | | | | | | |
| 10.043 | | 2287 | 040 | 72,75 | 1,78 | 2,40 | | | | | | | |
| 10.044 | | 2300 | 041 | 75,92 | 1,78 | 2,40 | | | | | | | |
| 10.044/1 | | 2312 | 532 | 79,00 | 1,78 | 2,40 | | | | | | | |
| 10.045 | | 2325 | 042 | 82,27 | 1,78 | 2,40 | | | | | | | |
| 10.045/1 | | 2337 | 534 | 85,34 | 1,78 | 2,40 | | | | | | | |
| 10.046 | | 2350 | 43 | 88,62 | 1,78 | 2,40 | | | | | | | |
| 10.046/1 | | 2362 | 536 | 91,70 | 1,78 | 2,40 | | | | | | | |
| 10.047 | | 2375 | 44 | 94,97 | 1,78 | 2,40 | | | | | | | |
| 10.047/1 | | 2387 | 538 | 98,05 | 1,78 | 2,40 | | | | | | | |
| 10.048 | | 2400 | 045 | 101,32 | 1,78 | 2,40 | | | | | | | |
| 10.048/1 | | 2412 | 540 | 104,40 | 1,78 | 2,40 | | | | | | | |
| 10.049 | | 2425 | 046 | 107,67 | 1,78 | 2,40 | | | | | | | |
| 10.049/1 | | 2437 | 542 | 110,74 | 1,78 | 2,40 | | | | | | | |
| 10.050 | | 2450 | 047 | 114,02 | 1,78 | 2,40 | | | | | | | |
| 10.050/1 | | 2462 | 544 | 117,10 | 1,78 | 2,40 | | | | | | | |
| 10.051 | | 2475 | 048 | 120,37 | 1,78 | 2,40 | | | | | | | |
| 10.051/1 | | 2487 | 546 | 123,44 | 1,78 | 2,40 | | | | | | | |

TECNORING
Juntas para
CIERRE ESTÁTICO
STATIC seals

# O-RING GKS



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TECNORING

Juntas para
CIERRE ESTÁTICO
STATIC seals

# O-RING GKS



| TECNORING | | | O-Ring Dimensions | | Housing Dimensions | | | | | GDS for O-Ring grooves | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NR | OR UK | U.S.A | di | CS | H | D | d1 | d | D1 | OR | OR+1GKS | OR+2GKS |
| 10.052 | 2500 | 049 | 126,72 | 1,78 | 2,40 | | | | | 2,50 | 4,00 | 5,50 |
| 10.052/1 | 2512 | 548 | 129,40 | 1,78 | 2,40 | | | | | | | |
| 10.053 | 2525 | 050 | 133,07 | 1,78 | 2,40 | | | | | | | |
| 10.053/1 | 2537 | 550 | 135,76 | 1,78 | 2,40 | | | | | | | |
| 10.053/2 | 2550 | 551 | 138,94 | 1,78 | 2,40 | | | | | | | |
| 10.053/3 | 2562 | 552 | 142,11 | 1,78 | 2,40 | | | | | | | |
| 10.053/4 | 2575 | 553 | 145,29 | 1,78 | 2,40 | | | | | | | |
| 10.053/5 | 2587 | 554 | 148,46 | 1,78 | 2,40 | | | | | | | |
| 10.053/6 | 2600 | 555 | 151,64 | 1,78 | 2,40 | | | | | | | |
| 10.053/7 | 2612 | 556 | 154,81 | 1,78 | 2,40 | | | | | | | |
| 10.053/8 | 2625 | 557 | 158,00 | 1,78 | 2,40 | | | | | | | |
| 10.053/9 | 2637 | 558 | 161,16 | 1,78 | 2,40 | | | | | | | |
| 10.053/10 | 2652 | 559 | 164,34 | 1,78 | 2,40 | | | | | | | |
| 10.053/11 | 2662 | 560 | 167,51 | 1,78 | 2,40 | | | | | | | |
| 10.053/12 | 2675 | 561 | 170,69 | 1,78 | 2,40 | | | | | | | |
| 10.053/13 | 2687 | 562 | 173,87 | 1,78 | 2,40 | | | | | | | |
| 10.054/1 | | 102 | 1,24 | 2,62 | 3,60 | | | | | 3,50 | 5,00 | 6,50 |
| 10.054/2 | | 103 | 2,06 | 2,62 | 3,60 | | | | | | | |
| 10.054/3 | | 104 | 2,84 | 2,62 | 3,60 | | | | | | | |
| 10.054/4 | | 105 | 3,63 | 2,62 | 3,60 | | | | | | | |
| 10.054/5 | | 106 | 4,42 | 2,62 | 3,60 | | | | | | | |
| 10.054/6 | | 107 | 5,23 | 2,62 | 3,60 | | | | | | | |
| 10.054/7 | | 108 | 6,02 | 2,62 | 3,60 | | | | | | | |
| 10.054/8 | | 109 | 7,59 | 2,62 | 3,60 | | | | | | | |
| 10.054 | 109 | | 9,13 | 2,62 | 3,60 | | | | | | | |
| 10.055 | 111 | 3037 | 110 | 9,19 | 2,62 | 3,60 | | | | | | |
| 10.056 | 112 | | 113 | 9,80 | 2,62 | 3,60 | | | | | | |
| 10.057 | 113 | 3043 | 111 | 10,77 | 2,62 | 3,60 | | | | | | |
| 10.058 | 115 | | 614 | 11,91 | 2,62 | 3,60 | | | | | | |
| 10.059 | 116 | 3050 | 112 | 12,37 | 2,62 | 3,60 | | | | | | |
| 10.059/1 | | | 807 | 12,70 | 2,62 | 3,60 | | | | | | |
| 10.060 | 117 | | 615 | 13,10 | 2,62 | 3,60 | | | | | | |
| 10.061 | 118 | 3056 | 113 | 13,94 | 2,62 | 3,60 | | | | | | |
| 10.062 | 119 | | 616 | 15,08 | 2,62 | 3,60 | | | | | | |
| 10.063 | | | | 15,34 | 2,62 | 3,60 | | | | | | |
| 10.064 | 120 | 3062 | 114 | 15,54 | 2,62 | 3,60 | | | | | | |
| 10.065 | 121 | | 809 | 15,88 | 2,62 | 3,60 | | | | | | |
| 10.066 | 122 | 3068 | 115 | 17,12 | 2,62 | 3,60 | | | | | | |
| 10.066/1 | | | 810 | 17,46 | 2,62 | 3,60 | | | | | | |
| 10.067 | 123 | | 617 | 17,86 | 2,62 | 3,60 | 23,02 | 18,83 | 18,20 | 22,39 | | |
| 10.068 | 124 | 3075 | 116 | 18,72 | 2,62 | 3,60 | 23,81 | 19,62 | 19,00 | 23,19 | | |
| 10.069 | 127 | 3081 | 117 | 20,30 | 2,62 | 3,60 | 25,80 | 21,61 | 21,03 | 25,22 | | |
| 10.070 | 128 | | 812 | 20,64 | 2,62 | 3,60 | | | | | | |
| 10.071 | | 3087 | 118 | 21,89 | 2,62 | 3,60 | | | | | | |
| 10.072 | 130 | | 813 | 22,22 | 2,62 | 3,60 | 27,38 | 23,19 | 22,62 | 26,81 | | |
| 10.073 | | 3093 | 119 | 23,47 | 2,62 | 3,60 | 28,58 | 24,39 | 23,80 | 27,99 | | |
| 10.074 | 132 | | 814 | 23,81 | 2,62 | 3,60 | 28,97 | 24,78 | 24,21 | 28,40 | | |
| 10.075 | | 3100 | 120 | 25,07 | 2,62 | 3,60 | 30,18 | 25,99 | 25,40 | 29,59 | | |
| 10.076 | | 3106 | 121 | 26,64 | 2,62 | 3,60 | 31,75 | 27,56 | 26,98 | 31,17 | | |
| 10.077 | | 3112 | 122 | 28,24 | 2,62 | 3,60 | 33,33 | 29,14 | 28,58 | 32,77 | | |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

# O-RING GKS

| TECNORING | | | O-Ring Dimensions | | Housing Dimensions | | | | | GDS for O-Ring grooves | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NR | OR UK | U.S.A | di | CS | H | D | d1 | d | D1 | OR | OR+1GKS | OR+2GKS |
| 10.079 | 3118 | 123 | 29,82 | 2,62 | 3,60 | 34,93 | 30,74 | 30,18 | 34,37 | | | |
| 10.080 | 3125 | 124 | 31,42 | 2,62 | 3,60 | 36,50 | 32,31 | 31,75 | 35,94 | | | |
| 10.081 | 3131 | 125 | 32,99 | 2,62 | 3,60 | 38,10 | 33,91 | 33,33 | 37,52 | | | |
| 10.082 | 3137 | 126 | 34,59 | 2,62 | 3,60 | 39,70 | 35,51 | 34,93 | 39,12 | | | |
| 10.083 | 3143 | 127 | 36,17 | 2,62 | 3,60 | 41,28 | 37,09 | 36,50 | 40,69 | | | |
| 10.084 | 3150 | 128 | 37,77 | 2,62 | 3,60 | 42,88 | 38,69 | 38,10 | 42,29 | | | |
| 10.085 | 3156 | 129 | 39,34 | 2,62 | 3,60 | 44,45 | 40,26 | 39,68 | 43,87 | | | |
| 10.086 | 3162 | 130 | 40,94 | 2,62 | 3,60 | 46,03 | 41,84 | 41,28 | 45,47 | | | |
| 10.087 | 3168 | 131 | 42,52 | 2,62 | 3,60 | 47,63 | 43,44 | 42,88 | 47,07 | | | |
| 10.088 | 3175 | 132 | 44,12 | 2,62 | 3,60 | 49,20 | 45,01 | 44,45 | 48,64 | | | |
| 10.089 | 3181 | 133 | 45,69 | 2,62 | 3,60 | 50,80 | 46,61 | 46,03 | 50,22 | | | |
| 10.090 | 3187 | 134 | 47,29 | 2,62 | 3,60 | 52,38 | 48,19 | 47,63 | 51,82 | | | |
| 10.091 | 3193 | 135 | 48,90 | 2,62 | 3,60 | 53,98 | 49,79 | 49,20 | 53,39 | | | |
| 10.092 | 3200 | 136 | 50,47 | 2,62 | 3,60 | 55,58 | 51,39 | 50,80 | 54,99 | | | |
| 10.093 | 3206 | 137 | 52,07 | 2,62 | 3,60 | 57,15 | 52,96 | 52,38 | 56,57 | | | |
| 10.094 | 3212 | 138 | 53,64 | 2,62 | 3,60 | 58,73 | 54,54 | 53,98 | 58,17 | | | |
| 10.095 | 3218 | 139 | 55,25 | 2,62 | 3,60 | 60,33 | 56,14 | 55,58 | 59,77 | | | |
| 10.096 | 3225 | 140 | 56,82 | 2,62 | 3,60 | 61,90 | 57,71 | 57,15 | 61,34 | | | |
| 10.097 | 3231 | 141 | 58,42 | 2,62 | 3,60 | 63,50 | 59,31 | 58,73 | 62,92 | | | |
| 10.098 | 3237 | 142 | 59,99 | 2,62 | 3,60 | 65,10 | 60,91 | 60,33 | 64,52 | | | |
| 10.099 | 3243 | 143 | 61,60 | 2,62 | 3,60 | 66,68 | 62,49 | 61,90 | 66,09 | | | |
| 10.100 | 3250 | 144 | 63,17 | 2,62 | 3,60 | 68,28 | 64,09 | 63,50 | 67,69 | | | |
| 10.101 | 3256 | 145 | 64,77 | 2,62 | 3,60 | 69,85 | 65,66 | 65,08 | 69,27 | | | |
| 10.102 | 3262 | 146 | 66,34 | 2,62 | 3,60 | 71,43 | 67,24 | 66,68 | 70,87 | | | |
| 10.103 | 3268 | 147 | 67,95 | 2,62 | 3,60 | 73,03 | 68,84 | 68,28 | 72,47 | | | |
| 10.104 | 3275 | 148 | 69,52 | 2,62 | 3,60 | 74,60 | 70,41 | 69,85 | 74,04 | 3,50 | 5,00 | 6,50 |
| 10.105 | 3281 | 149 | 71,12 | 2,62 | 3,60 | 76,60 | 72,01 | 71,43 | 75,62 | | | |
| 10.106 | 3287 | 150 | 72,69 | 2,62 | 3,60 | | | | | | | |
| 10.106/1 | | 640 | 74,30 | 2,62 | 3,60 | | | | | | | |
| 10.107 | 3300 | 151 | 75,87 | 2,62 | 3,60 | | | | | | | |
| 10.107/1 | | 641 | 77,50 | 2,62 | 3,60 | | | | | | | |
| 10.107/2 | | 642 | 80,60 | 2,62 | 3,60 | | | | | | | |
| 10.108 | 3325 | 152 | 82,22 | 2,62 | 3,60 | | | | | | | |
| 10.108/1 | | 643 | 83,80 | 2,62 | 3,60 | | | | | | | |
| 10.109 | 3350 | 153 | 88,57 | 2,62 | 3,60 | | | | | | | |
| 10.110 | 3375 | 154 | 94,92 | 2,62 | 3,60 | | | | | | | |
| 10.111 | 3400 | 155 | 101,27 | 2,62 | 3,60 | | | | | | | |
| 10.112 | 3425 | 156 | 107,62 | 2,62 | 3,60 | | | | | | | |
| 10.113 | 3450 | 157 | 113,97 | 2,62 | 3,60 | | | | | | | |
| 10.114 | 3475 | 158 | 120,32 | 2,62 | 3,60 | | | | | | | |
| 10.115 | 3500 | 159 | 126,67 | 2,62 | 3,60 | | | | | | | |
| 10.116 | 3525 | 160 | 133,02 | 2,62 | 3,60 | | | | | | | |
| 10.117 | 3550 | 161 | 139,37 | 2,62 | 3,60 | | | | | | | |
| 10.118 | 3575 | 162 | 145,72 | 2,62 | 3,60 | | | | | | | |
| 10.119 | 3600 | 163 | 152,07 | 2,62 | 3,60 | | | | | | | |
| 10.120 | 3625 | 164 | 158,42 | 2,62 | 3,60 | | | | | | | |
| 10.121 | 3650 | 165 | 164,77 | 2,62 | 3,60 | | | | | | | |
| 10.122 | 3675 | 166 | 171,12 | 2,62 | 3,60 | | | | | | | |
| 10.123 | 3700 | 167 | 177,47 | 2,62 | 3,60 | | | | | | | |
| 10.124 | 3725 | 168 | 183,82 | 2,62 | 3,60 | | | | | | | |
| 10.125 | 3750 | 169 | 190,17 | 2,62 | 3,60 | | | | | | | |



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TECNORING

Juntas para
CIERRE ESTÁTICO
STATIC seals

# O-RING GKS



| TECNORING | | | | O-Ring Dimensions | | Housing Dimensions | | | | | GDS for O-Ring grooves | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NR | OR UK | | U.S.A | di | CS | H | D | d1 | d | D1 | OR | OR+1GKS | OR+2GKS |
| 10.126 | | 3775 | 170 | 196,52 | 2,62 | 3,60 | | | | | 3,50 | 5,00 | 6,50 |
| 10.127 | | 3800 | 171 | 202,87 | 2,62 | 3,60 | | | | | | | |
| 10.128 | | 3825 | 172 | 209,22 | 2,62 | 3,60 | | | | | | | |
| 10.129 | | 3850 | 173 | 215,57 | 2,62 | 3,60 | | | | | | | |
| 10.130 | | 3875 | 174 | 221,92 | 2,62 | 3,60 | | | | | | | |
| 10.131 | | 3900 | 175 | 228,27 | 2,62 | 3,60 | | | | | | | |
| 10.132 | | 3925 | 176 | 234,62 | 2,62 | 3,60 | | | | | | | |
| 10.133 | | 3950 | 177 | 240,97 | 2,62 | 3,60 | | | | | | | |
| 10.134 | | 3975 | 178 | 247,32 | 2,62 | 3,60 | | | | | | | |
| 10.135/1 | | | 201 | 4,34 | 3,53 | 4,80 | | | | | 4,50 | 6,00 | 7,50 |
| 10.135/2 | | | 202 | 5,94 | 3,53 | 4,80 | | | | | | | |
| 10.135/3 | | | 203 | 7,52 | 3,53 | 4,80 | | | | | | | |
| 10.135/4 | | | 204 | 9,12 | 3,53 | 4,80 | | | | | | | |
| 10.135/5 | | | 205 | 10,69 | 3,53 | 4,80 | | | | | | | |
| 10.135/6 | | | 206 | 12,29 | 3,53 | 4,80 | | | | | | | |
| 10.135/7 | | | 207 | 13,87 | 3,53 | 4,80 | | | | | | | |
| 10.135/8 | | | 208 | 15,47 | 3,53 | 4,80 | | | | | | | |
| 10.135/9 | | | 209 | 17,04 | 3,53 | 4,80 | | | | | | | |
| 10.135 | 125 | 4075 | 210 | 18,64 | 3,53 | 4,80 | 25,43 | 19,71 | 19,00 | 24,72 | | | |
| 10.136 | 126 | 4081 | 211 | 20,22 | 3,53 | 4,80 | 27,00 | 21,28 | 20,55 | 26,27 | | | |
| 10.137 | 129 | 4087 | 212 | 21,82 | 3,53 | 4,80 | 28,60 | 22,88 | 22,15 | 27,87 | | | |
| 10.138 | 131 | 4093 | 213 | 23,39 | 3,53 | 4,80 | 30,18 | 24,46 | 23,72 | 29,44 | | | |
| 10.139 | 133 | 4100 | 214 | 24,99 | 3,53 | 4,80 | 31,78 | 26,06 | 25,32 | 31,04 | | | |
| 10.140 | 134 | | 618 | 25,80 | 3,53 | 4,80 | 32,58 | 26,86 | 26,13 | 31,85 | | | |
| 10.141 | 135 | 4106 | 215 | 26,57 | 3,53 | 4,80 | 33,35 | 27,63 | 26,90 | 32,62 | | | |
| 10.142 | 136 | 4112 | 216 | 28,17 | 3,53 | 4,80 | 34,95 | 29,23 | 28,50 | 34,22 | | | |
| 10.143 | 137 | 4118 | 217 | 29,74 | 3,53 | 4,80 | 36,52 | 30,80 | 30,07 | 35,79 | | | |
| 10.144 | 138 | 4125 | 218 | 31,34 | 3,53 | 4,80 | 38,13 | 32,41 | 31,67 | 37,39 | | | |
| 10.145 | 139 | 4131 | 219 | 32,92 | 3,53 | 4,80 | 39,70 | 33,98 | 33,25 | 38,97 | | | |
| 10.146 | 140 | 4137 | 220 | 34,52 | 3,53 | 4,80 | 41,30 | 35,58 | 34,85 | 40,57 | | | |
| 10.147 | 141 | 4143 | 221 | 36,09 | 3,53 | 4,80 | 42,88 | 37,16 | 36,42 | 42,14 | | | |
| 10.148 | 142 | 4150 | 222 | 37,69 | 3,53 | 4,80 | 44,48 | 38,76 | 38,02 | 43,74 | | | |
| 10.149 | 144 | | 824 | 39,70 | 3,53 | 4,80 | 46,49 | 40,77 | 40,02 | 45,74 | | | |
| 10.150 | | 4162 | 223 | 40,87 | 3,53 | 4,80 | 47,65 | 41,94 | 41,20 | 46,91 | | | |
| 10.151 | 146 | | 825 | 41,28 | 3,53 | 4,80 | 48,05 | 42,33 | 41,61 | 47,33 | | | |
| 10.152 | 147 | | 826 | 42,86 | 3,53 | 4,80 | 49,64 | 43,92 | 43,19 | 48,91 | | | |
| 10.153 | | 4175 | 224 | 44,04 | 3,53 | 4,80 | 50,83 | 45,11 | 44,37 | 50,09 | | | |
| 10.154 | 149 | | 827 | 44,45 | 3,53 | 4,80 | 51,22 | 45,50 | 44,77 | 50,49 | | | |
| 10.155 | 150 | | 828 | 46,04 | 3,53 | 4,80 | 52,80 | 47,08 | 46,35 | 52,07 | | | |
| 10.156 | | 4187 | 225 | 47,22 | 3,53 | 4,80 | 54,00 | 48,29 | 47,55 | 53,26 | | | |
| 10.157 | 152 | | 829 | 47,62 | 3,53 | 4,80 | 54,39 | 48,67 | 47,94 | 53,66 | | | |
| 10.158 | 153 | | 830 | 49,21 | 3,53 | 4,80 | 55,98 | 50,26 | 49,53 | 55,25 | | | |
| 10.159 | | 4200 | 226 | 50,39 | 3,53 | 4,80 | 57,18 | 51,46 | 50,72 | 56,44 | | | |
| 10.160 | 155 | | 831 | 50,80 | 3,53 | 4,80 | 57,57 | 51,85 | 51,12 | 56,84 | | | |
| 10.161 | 156 | | 832 | 52,40 | 3,53 | 4,80 | 59,17 | 53,45 | 52,70 | 58,42 | | | |
| 10.162 | | 4212 | 227 | 53,57 | 3,53 | 4,80 | 60,35 | 54,64 | 53,90 | 59,61 | | | |
| 10.163 | 158 | | 833 | 53,97 | 3,53 | 4,80 | 60,74 | 55,02 | 54,29 | 60,01 | | | |
| 10.164 | | | 834 | 55,56 | 3,53 | 4,80 | 62,34 | 56,62 | 55,88 | 61,60 | | | |
| 10.165 | | 4225 | 228 | 56,74 | 3,53 | 4,80 | 63,92 | 57,81 | 57,07 | 62,79 | | | |
| 10.166 | 161 | | 835 | 57,15 | 3,53 | 4,80 | 63,92 | 58,22 | 57,47 | 63,19 | | | |

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Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

# O-RING GKS

| TECNORING | | | | O-Ring Dimensions | | Housing Dimensions | | | | | GDS for O-Ring grooves | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NR | OR UK | | U.S.A | di | CS | H | D | d1 | d | D1 | OR | OR+1GKS | OR+2GKS |
| 10.167 | 162 | | 836 | 58,74 | 3,53 | 4,80 | 65,50 | 59,78 | 59,05 | 64,77 | | | |
| 10.168 | | 4237 | 229 | 59,92 | 3,53 | 4,80 | 66,70 | 60,99 | 60,25 | 65,96 | | | |
| 10.169 | 164 | | 837 | 60,32 | 3,53 | 4,80 | 67,09 | 61,37 | 60,66 | 66,38 | | | |
| 10.170 | 165 | | 838 | 61,90 | 3,53 | 4,80 | 68,68 | 62,96 | 62,23 | 67,95 | | | |
| 10.171 | | 4250 | 230 | 63,09 | 3,53 | 4,80 | 69,88 | 64,16 | 63,42 | 69,14 | | | |
| 10.172 | 167 | | 839 | 63,50 | 3,53 | 4,80 | 70,27 | 64,55 | 63,82 | 69,54 | | | |
| 10.173 | 168 | | 840 | 65,10 | 3,53 | 4,80 | 71,85 | 66,13 | 65,40 | 71,12 | | | |
| 10.174 | | 4262 | 231 | 66,27 | 3,53 | 4,80 | 73,05 | 67,34 | 66,60 | 72,31 | | | |
| 10.175 | 170 | | 841 | 66,67 | 3,53 | 4,80 | 73,45 | 67,75 | 67,00 | 72,72 | | | |
| 10.176 | 171 | | 842 | 68,26 | 3,53 | 4,80 | 75,02 | 69,30 | 68,58 | 74,30 | | | |
| 10.177 | | 4275 | 232 | 69,44 | 3,53 | 4,80 | 76,23 | 70,51 | 69,77 | 75,49 | | | |
| 10.178 | 174 | | 843 | 69,85 | 3,53 | 4,80 | 76,62 | 70,90 | 70,17 | 75,89 | | | |
| 10.179 | 174 | | 844 | 71,44 | 3,53 | 4,80 | 78,20 | 72,48 | 71,75 | 77,47 | | | |
| 10.180 | | 4287 | 233 | 72,62 | 3,53 | 4,80 | 79,40 | 73,69 | 72,95 | 78,66 | | | |
| 10.181 | | 176 | 845 | 73,03 | 3,53 | 4,80 | 79,79 | 74,04 | 73,34 | 79,06 | | | |
| 10.182 | | 177 | 846 | 74,61 | 3,53 | 4,80 | 81,38 | 75,66 | 74,93 | 80,65 | | | |
| 10.183 | | 4300 | 234 | 75,79 | 3,53 | 4,80 | 82,58 | 76,86 | 76,10 | 81,81 | | | |
| 10.185 | | 4312 | 235 | 78,97 | 3,53 | 4,80 | 85,78 | 80,06 | 79,27 | 84,99 | | | |
| 10.186 | | 4325 | 236 | 82,14 | 3,53 | 4,80 | 88,95 | 83,23 | 82,45 | 88,16 | | | |
| 10.187 | | 4337 | 237 | 85,32 | 3,53 | 4,80 | 92,13 | 86,41 | 85,62 | 91,34 | | | |
| 10.188 | | 4350 | 238 | 88,49 | 3,53 | 4,80 | 95,09 | 89,37 | 88,80 | 94,51 | | | |
| 10.189 | | 4362 | 239 | 91,67 | 3,53 | 4,80 | 98,48 | 92,76 | 91,97 | 97,69 | | | |
| 10.190 | | 4375 | 240 | 94,84 | 3,53 | 4,80 | | | 95,15 | 100,86 | | | |
| 10.191 | | 4387 | 241 | 98,02 | 3,53 | 4,80 | | | 98,32 | 104,04 | | | |
| 10.192 | | 4400 | 242 | 101,19 | 3,53 | 4,80 | | | 101,50 | 107,21 | 4,50 | 8,00 | 7,50 |
| 10.193 | | 4412 | 243 | 104,37 | 3,53 | 4,80 | | | 104,67 | 110,39 | | | |
| 10.194 | | 4425 | 244 | 107,54 | 3,53 | 4,80 | | | 107,85 | 113,56 | | | |
| 10.195 | | 4437 | 245 | 110,72 | 3,53 | 4,80 | | | 111,02 | 116,74 | | | |
| 10.196 | | 4450 | 246 | 113,89 | 3,53 | 4,80 | | | 114,20 | 119,91 | | | |
| 10.197 | | 4462 | 247 | 117,07 | 3,53 | 4,80 | | | 117,37 | 123,09 | | | |
| 10.198 | | 4475 | 248 | 120,24 | 3,53 | 4,80 | | | 120,55 | 126,26 | | | |
| 10.199 | | 4487 | 249 | 123,42 | 3,53 | 4,80 | | | 123,72 | 129,44 | | | |
| 10.200 | | 4500 | 250 | 126,59 | 3,53 | 4,80 | | | 126,90 | 132,61 | | | |
| 10.201 | | 4512 | 251 | 129,77 | 3,53 | 4,80 | | | 130,07 | 135,79 | | | |
| 10.202 | | 4525 | 252 | 132,94 | 3,53 | 4,80 | | | 133,25 | 138,96 | | | |
| 10.203 | | 4537 | 253 | 136,12 | 3,53 | 4,80 | | | 136,42 | 142,14 | | | |
| 10.204 | | 4550 | 254 | 139,29 | 3,53 | 4,80 | | | 139,60 | 145,31 | | | |
| 10.205 | | 4562 | 255 | 142,47 | 3,53 | 4,80 | | | 142,77 | 148,49 | | | |
| 10.206 | | 4575 | 256 | 145,64 | 3,53 | 4,80 | | | 145,95 | 151,66 | | | |
| 10.207 | | 4587 | 257 | 148,82 | 3,53 | 4,80 | | | 149,12 | 154,84 | | | |
| 10.208 | | 4600 | 258 | 151,99 | 3,53 | 4,80 | | | 152,30 | 158,01 | | | |
| 10.209 | | 4625 | 259 | 158,34 | 3,53 | 4,80 | | | 158,65 | 164,36 | | | |
| 10.210 | | 4650 | 260 | 164,69 | 3,53 | 4,80 | | | 165,00 | 170,71 | | | |
| 10.211 | | 4675 | 261 | 171,04 | 3,53 | 4,80 | | | 171,35 | 177,06 | | | |
| 10.212 | | 4700 | 262 | 177,39 | 3,53 | 4,80 | | | 177,70 | 183,41 | | | |
| 10.213 | | 4725 | 263 | 183,74 | 3,53 | 4,80 | | | 184,05 | 189,76 | | | |
| 10.214 | | 4750 | 264 | 190,09 | 3,53 | 4,80 | | | 190,40 | 196,11 | | | |
| 10.215 | | 4775 | 265 | 196,44 | 3,53 | 4,80 | | | 196,75 | 202,46 | | | |
| 10.216 | | 4800 | 266 | 202,79 | 3,53 | 4,80 | | | 203,10 | 208,81 | | | |
| 10.217 | | 4825 | 267 | 209,14 | 3,53 | 4,80 | | | 209,45 | 215,16 | | | |

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Suministros Industriales y Servicios



TECNORING
Juntas para
CIERRE ESTÁTICO
STATIC seals

# O-RING GKS



| TECNORING | | | O-Ring Dimensions | | Housing Dimensions | | | | | GDS for O-Ring grooves | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NR | OR UK | U.S.A | di | CS | H | D | d1 | d | D1 | OR | OR+1GKS | OR+2GKS |
| 10.218 | 4850 | 268 | 215,49 | 3,53 | 4,80 | | | 215,80 | 221,51 | 4,50 | 6,00 | 7,50 |
| 10.219 | 4875 | 269 | 221,84 | 3,53 | 4,80 | | | 222,15 | 227,86 | | | |
| 10.220 | 4900 | 270 | 228,19 | 3,53 | 4,80 | | | 228,50 | 234,21 | | | |
| 10.221 | 4925 | 271 | 234,54 | 3,53 | 4,80 | | | 234,85 | 240,56 | | | |
| 10.222 | 4950 | 272 | 240,89 | 3,53 | 4,80 | | | 241,20 | 246,91 | | | |
| 10.223 | 4975 | 273 | 247,24 | 3,53 | 4,80 | | | 247,55 | 253,26 | | | |
| 10.224 | | 274 | 253,59 | 3,53 | 4,80 | | | 253,90 | 259,61 | | | |
| 10.225 | | 275 | 266,29 | 3,53 | 4,80 | | | | | | | |
| 10.226 | | 276 | 278,99 | 3,53 | 4,80 | | | | | | | |
| 10.227 | | 277 | 291,69 | 3,53 | 4,80 | | | | | | | |
| 10.228 | | 278 | 304,39 | 3,53 | 4,80 | | | | | | | |
| 10.229 | | 279 | 329,79 | 3,53 | 4,80 | | | | | | | |
| 10.230 | | 280 | 355,19 | 3,53 | 4,80 | | | | | | | |
| 10.231 | | 281 | 380,59 | 3,53 | 4,80 | | | | | | | |
| 10.232 | | 282 | 405,26 | 3,53 | 4,80 | | | | | | | |
| 10.233 | | 283 | 430,66 | 3,53 | 4,80 | | | | | | | |
| 10.234 | | 284 | 456,06 | 3,53 | 4,80 | | | | | | | |
| 10.235/1 | | 309 | 10,46 | 5,34 | 7,10 | | | | | | | |
| 10.235/2 | | 310 | 12,07 | 5,34 | 7,10 | | | | | | | |
| 10.235/3 | | 311 | 13,64 | 5,34 | 7,10 | | | | | | | |
| 10.235/4 | | 312 | 15,24 | 5,34 | 7,10 | | | | | | | |
| 10.235/5 | | 313 | 16,81 | 5,34 | 7,10 | | | | | | | |
| 10.235/6 | | 314 | 18,42 | 5,34 | 7,10 | | | | | | | |
| 10.235/7 | | 315 | 19,99 | 5,34 | 7,10 | | | | | | | |
| 10.235/8 | | 316 | 21,59 | 5,34 | 7,10 | | | | | | | |
| 10.235/9 | | 317 | 23,16 | 5,34 | 7,10 | | | | | | | |
| 10.235/10 | | 318 | 24,77 | 5,34 | 7,10 | | | | | | | |
| 10.235/11 | | 319 | 26,34 | 5,34 | 7,10 | | | | | | | |
| 10.235/12 | | 320 | 27,94 | 5,34 | 7,10 | | | | | | | |
| 10.235/13 | | 321 | 29,51 | 5,34 | 7,10 | | | | | | | |
| 10.235/14 | | 322 | 31,12 | 5,34 | 7,10 | | | | | | | |
| 10.235/15 | | 323 | 32,69 | 5,34 | 7,10 | | | | | | | |
| 10.235/16 | | 324 | 34,29 | 5,34 | 7,10 | | | | | | | |
| 10.235 | 143 6150 | 325 | 37,47 | 5,34 | 7,10 | 47,65 | 38,89 | 38,02 | 46,78 | 7,00 | 8,80 | 10,60 |
| 10.236 | 145 6162 | 326 | 40,64 | 5,34 | 7,10 | 50,83 | 42,07 | 41,20 | 49,96 | | | |
| 10.237 | | | 42,52 | 5,34 | 7,10 | | | | | | | |
| 10.238 | 148 6175 | 327 | 45,82 | 5,34 | 7,10 | | | | | | | |
| 10.239 | 151 6187 | 328 | 46,99 | 5,34 | 7,10 | 57,18 | 48,42 | 47,55 | 56,31 | | | |
| 10.240 | 154 6200 | 329 | 50,16 | 5,34 | 7,10 | 60,35 | 51,59 | 50,72 | 59,48 | | | |
| 10.241 | 157 6212 | 330 | 53,34 | 5,34 | 7,10 | 63,53 | 54,77 | 53,90 | 62,66 | | | |
| 10.242 | 160 6225 | 331 | 56,52 | 5,34 | 7,10 | 66,70 | 57,94 | 57,07 | 65,83 | | | |
| 10.243 | 163 6237 | 332 | 59,69 | 5,34 | 7,10 | 69,88 | 61,12 | 60,25 | 69,01 | | | |
| 10.244 | 166 6250 | 333 | 62,87 | 5,34 | 7,10 | 73,05 | 64,29 | 63,42 | 72,18 | | | |
| 10.245 | 169 6262 | 334 | 66,04 | 5,34 | 7,10 | 76,23 | 67,47 | 66,60 | 75,36 | | | |
| 10.246 | 172 6275 | 335 | 69,22 | 5,34 | 7,10 | 79,40 | 70,64 | 69,77 | 78,53 | | | |
| 10.247 | 175 6287 | 336 | 72,39 | 5,34 | 7,10 | 82,58 | 73,82 | 72,95 | 81,71 | | | |
| 10.248 | 178 | 619 | 74,63 | 5,34 | 7,10 | 85,00 | 76,24 | 75,35 | 84,11 | | | |
| 10.249 | 179 6300 | 337 | 75,57 | 5,34 | 7,10 | 85,78 | 77,02 | 76,10 | 84,86 | | | |
| 10.250 | 180 6312 | 338 | 78,74 | 5,34 | 7,10 | 88,95 | 80,19 | 79,27 | 88,03 | | | |
| 10.251 | 181 | 620 | 79,77 | 5,34 | 7,10 | 90,93 | 82,17 | 81,29 | 90,05 | | | |

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Suministros Industriales y Servicios

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

# O-RING GKS

| TECNORING | | | | O-Ring Dimensions | | Housing Dimensions | | | | | GDS for O-Ring grooves | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NR | OR UK | | U.S.A | di | CS | H | D | d1 | d | D1 | OR | OR+1GKS | OR+2GKS |
| 10.252 | 182 | 6325 | 339 | 81,92 | 5,34 | 7,10 | 92,13 | 83,37 | 82,45 | 91,21 | | | |
| 10.253 | 183 | 6337 | 340 | 85,09 | 5,34 | 7,10 | 95,30 | 86,54 | 85,62 | 94,38 | | | |
| 10.254 | 184 | 6350 | 341 | 88,27 | 5,34 | 7,10 | 98,48 | 89,72 | 88,80 | 97,56 | | | |
| 10.255 | 185 | | 621 | 89,69 | 5,34 | 7,10 | 100,06 | 91,30 | 90,40 | 99,16 | | | |
| 10.256 | 186 | 6362 | 342 | 91,44 | 5,34 | 7,10 | 101,65 | 92,89 | 91,97 | 100,73 | | | |
| 10.257 | 187 | 6375 | 343 | 94,62 | 5,34 | 7,10 | 104,83 | 96,07 | 95,15 | 103,91 | | | |
| 10.258 | 188 | 6387 | 344 | 97,79 | 5,34 | 7,10 | 108,00 | 99,24 | 98,32 | 107,08 | | | |
| 10.259 | 189 | | 622 | 100,00 | 5,34 | 7,10 | 110,38 | 101,62 | 100,74 | 109,50 | | | |
| 10.260 | 190 | 6400 | 345 | 100,97 | 5,34 | 7,10 | 111,18 | 102,48 | 101,50 | 110,26 | | | |
| 10.261 | 191 | 6412 | 346 | 104,14 | 5,34 | 7,10 | 114,35 | 105,54 | 104,67 | 113,43 | | | |
| 10.263 | 192 | 6425 | 347 | 107,32 | 5,34 | 7,10 | 117,53 | 108,77 | 107,85 | 116,61 | | | |
| 10.264 | 193 | | 623 | 109,54 | 5,34 | 7,10 | 119,91 | 111,15 | 110,23 | 118,99 | | | |
| 10.265 | 194 | 6437 | 348 | 110,49 | 5,34 | 7,10 | 120,70 | 111,94 | 111,05 | 119,81 | | | |
| 10.266 | 195 | 6450 | 349 | 113,67 | 5,34 | 7,10 | 123,88 | 115,12 | 114,20 | 122,96 | | | |
| 10.267 | | | 350 | 116,84 | 5,34 | 7,10 | | | | | | | |
| 10.268 | 199 | | 860 | 117,48 | 5,34 | 7,10 | 127,84 | 119,08 | 118,17 | 126,93 | | | |
| 10.269 | | | 351 | 120,02 | 5,34 | 7,10 | | | | | | | |
| 10.270 | 201 | | 861 | 120,65 | 5,34 | 7,10 | 131,02 | 122,26 | 121,34 | 130,10 | | | |
| 10.271 | | | 352 | 123,19 | 5,34 | 7,10 | | | | | | | |
| 10.272 | 203 | | 862 | 123,83 | 5,34 | 7,10 | 134,19 | 125,43 | 124,12 | 132,88 | | | |
| 10.273 | | | 353 | 126,37 | 5,34 | 7,10 | | | | | | | |
| 10.274 | 206 | | 863 | 127,00 | 5,34 | 7,10 | 137,37 | 128,61 | 127,69 | 136,45 | | | |
| 10.275 | | | 354 | 129,54 | 5,34 | 7,10 | | | | | | | |
| 10.276 | 208 | | 864 | 130,18 | 5,34 | 7,10 | 140,54 | 131,78 | 130,87 | 139,63 | | | |
| 10.277 | | | 355 | 132,72 | 5,34 | 7,10 | | | | | | | |
| 10.278 | 210 | | 865 | 133,35 | 5,34 | 7,10 | 143,72 | 134,96 | 134,04 | 142,80 | 7,00 | 8,80 | 10,60 |
| 10.279 | | | 356 | 135,89 | 5,34 | 7,10 | 146,89 | 138,13 | 137,22 | 145,98 | | | |
| 10.280 | 213 | | 866 | 136,53 | 5,34 | 7,10 | | | | | | | |
| 10.281 | | | 357 | 139,07 | 5,34 | 7,10 | 150,07 | 141,31 | 140,39 | 149,15 | | | |
| 10.282 | 215 | | 867 | 139,70 | 5,34 | 7,10 | | | | | | | |
| 10.283 | | | 358 | 142,24 | 5,34 | 7,10 | | | | | | | |
| 10.284 | 217 | | 868 | 142,88 | 5,34 | 7,10 | 153,24 | 144,48 | 143,57 | 152,33 | | | |
| 10.285 | | | 359 | 145,42 | 5,34 | 7,10 | | | | | | | |
| 10.286 | 219 | | 869 | 146,05 | 5,34 | 7,10 | 156,42 | 147,66 | 146,74 | 155,50 | | | |
| 10.287 | | | 360 | 148,59 | 5,34 | 7,10 | | | | | | | |
| 10.288 | 221 | | 870 | 149,23 | 5,34 | 7,10 | 159,59 | 150,83 | 149,92 | 158,68 | | | |
| 10.289 | | | 361 | 151,77 | 5,34 | 7,10 | | | | | | | |
| 10.289/1 | | | 644 | 155,00 | 5,34 | 7,10 | | | | | | | |
| 10.290 | | | 362 | 158,12 | 5,34 | 7,10 | | | | | | | |
| 10.290/1 | | | 645 | 161,30 | 5,34 | 7,10 | | | | | | | |
| 10.291 | | | 363 | 164,47 | 5,34 | 7,10 | | | | | | | |
| 10.291/1 | | | 646 | 167,70 | 5,34 | 7,10 | | | | | | | |
| 10.292 | | | 364 | 170,82 | 5,34 | 7,10 | | | | | | | |
| 10.292/1 | | | 647 | 174,00 | 5,34 | 7,10 | | | | | | | |
| 10.293 | | | 365 | 177,17 | 5,34 | 7,10 | | | | | | | |
| 10.294 | | | 366 | 183,52 | 5,34 | 7,10 | | | | | | | |
| 10.295 | | | 367 | 189,87 | 5,34 | 7,10 | | | | | | | |
| 10.296 | | 6775 | 368 | 196,22 | 5,34 | 7,10 | | | | | | | |
| 10.297 | | 6795 | 369 | 202,57 | 5,34 | 7,10 | | | | | | | |
| 10.298 | | 6820 | 370 | 208,92 | 5,34 | 7,10 | | | | | | | |
| 10.299 | | 6850 | 371 | 215,27 | 5,34 | 7,10 | | | | | | | |



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TECNORING

Juntas para
CIERRE ESTÁTICO
STATIC seals

# O-RING GKS



| TECNORING | | | O-Ring Dimensions | | Housing Dimensions | | | | | GDS for O-Ring grooves | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NR | OR UK | U.S.A | di | CS | H | D | d1 | d | D1 | OR | OR+1GKS | OR+2GKS |
| 10.300 | 6870 | 372 | 221,62 | 5,34 | 7,10 | | | | | 7,00 | 8,80 | 10,60 |
| 10.301 | 6895 | 373 | 227,97 | 5,34 | 7,10 | | | | | | | |
| 10.302 | 6920 | 374 | 234,32 | 5,34 | 7,10 | | | | | | | |
| 10.303 | 6945 | 375 | 240,67 | 5,34 | 7,10 | | | | | | | |
| 10.304 | 6975 | 376 | 247,02 | 5,34 | 7,10 | | | | | | | |
| 10.305 | 6995 | 377 | 253,37 | 5,34 | 7,10 | | | | | | | |
| 10.306 | 61050 | 378 | 266,07 | 5,34 | 7,10 | | | | | | | |
| 10.307 | 61100 | 379 | 278,77 | 5,34 | 7,10 | | | | | | | |
| 10.308 | 61150 | 380 | 291,47 | 5,34 | 7,10 | | | | | | | |
| 10.309 | 61200 | 381 | 304,17 | 5,34 | 7,10 | | | | | | | |
| 10.310 | 61300 | 382 | 329,57 | 5,34 | 7,10 | | | | | | | |
| 10.311 | 61400 | 383 | 354,97 | 5,34 | 7,10 | | | | | | | |
| 10.312 | 61500 | 384 | 380,37 | 5,34 | 7,10 | | | | | | | |
| 10.313 | 61600 | 385 | 405,26 | 5,34 | 7,10 | | | | | | | |
| 10.314 | 61700 | 386 | 430,66 | 5,34 | 7,10 | | | | | | | |
| 10.315 | 61800 | 387 | 456,06 | 5,34 | 7,10 | | | | | | | |
| 10.316 | 61900 | 388 | 481,41 | 5,34 | 7,10 | | | | | | | |
| 10.317 | 62000 | 389 | 506,81 | 5,34 | 7,10 | | | | | | | |
| 10.318 | 62100 | 390 | 532,21 | 5,34 | 7,10 | | | | | | | |
| 10.319 | | 391 | 557,61 | 5,34 | 7,10 | | | | | | | |
| 10.320 | | 392 | 582,68 | 5,34 | 7,10 | | | | | | | |
| 10.321 | | 393 | 608,08 | 5,34 | 7,10 | | | | | | | |
| 10.322 | | 394 | 633,48 | 5,34 | 7,10 | | | | | | | |
| 10.322/1 | | 395 | 658,88 | 5,34 | 7,10 | | | | | | | |
| 10.323 | 196 | 8450 | 425 | 113,67 | 6,99 | 9,50 | 127,10 | 115,95 | 117,20 | 125,35 | 9,50 | 12,00 | 14,50 |
| 10.324 | 197 | | 624 | 114,70 | 6,99 | 9,50 | 128,30 | 117,15 | 115,20 | 126,35 | | | |
| 10.325 | 198 | 8462 | 426 | 116,84 | 6,99 | 9,50 | 130,20 | 119,05 | 117,30 | 128,45 | | | |
| 10.326 | 200 | 8475 | 427 | 120,02 | 6,99 | 9,50 | 133,30 | 122,25 | 120,50 | 131,65 | | | |
| 10.327 | 202 | 8487 | 428 | 123,19 | 6,99 | 9,50 | 136,60 | 125,45 | 123,70 | 134,85 | | | |
| 10.328 | 204 | | 625 | 124,60 | 6,99 | 9,50 | 138,20 | 127,05 | 125,10 | 136,25 | | | |
| 10.329 | 205 | 8500 | 429 | 126,37 | 6,99 | 9,50 | 139,80 | 128,65 | 126,90 | 138,05 | | | |
| 10.330 | 207 | 8512 | 430 | 129,54 | 6,99 | 9,50 | 142,90 | 131,75 | 130,00 | 141,15 | | | |
| 10.331 | 209 | 8525 | 431 | 132,72 | 6,99 | 9,50 | 146,10 | 134,95 | 133,20 | 144,35 | | | |
| 10.332 | 211 | | 626 | 134,50 | 6,99 | 9,50 | 148,20 | 137,05 | 135,00 | 146,15 | | | |
| 10.333 | 212 | 8537 | 432 | 135,89 | 6,99 | 9,50 | 149,30 | 138,15 | 138,15 | 149,30 | | | |
| 10.334 | 214 | 8550 | 433 | 139,07 | 6,99 | 9,50 | 152,50 | 141,35 | 141,35 | 152,50 | | | |
| 10.335 | 216 | 8562 | 434 | 142,24 | 6,99 | 9,50 | 155,60 | 144,45 | 144,45 | 155,60 | | | |
| 10.336 | 218 | 8575 | 435 | 145,42 | 6,99 | 9,50 | 158,80 | 147,65 | 147,65 | 158,80 | | | |
| 10.337 | 220 | 8587 | 436 | 148,59 | 6,99 | 9,50 | 162,00 | 150,85 | 150,85 | 162,00 | | | |
| 10.338 | 222 | 8600 | 437 | 151,77 | 6,99 | 9,50 | 165,20 | 154,05 | 154,05 | 165,20 | | | |
| 10.339 | 223 | | 872 | 155,60 | 6,99 | 9,50 | 169,00 | 157,85 | 157,85 | 169,00 | | | |
| 10.340 | 224 | 8625 | 438 | 158,12 | 6,99 | 9,50 | 171,50 | 160,35 | 160,35 | 171,50 | | | |
| 10.341 | 225 | | 627 | 159,50 | 6,99 | 9,50 | 173,00 | 161,85 | 161,85 | 173,00 | | | |
| 10.342 | 226 | | 874 | 161,90 | 6,99 | 9,50 | 175,30 | 164,15 | 164,15 | 175,30 | | | |
| 10.343 | 227 | 8650 | 439 | 164,47 | 6,99 | 9,50 | 177,90 | 166,75 | 166,75 | 177,90 | | | |
| 10.344 | 228 | | 628 | 166,70 | 6,99 | 9,50 | 180,20 | 169,05 | 169,05 | 180,20 | | | |
| 10.345 | 229 | | 876 | 168,30 | 6,99 | 9,50 | 181,80 | 170,65 | 170,65 | 181,80 | | | |
| 10.346 | 230 | 8675 | 440 | 170,82 | 6,99 | 9,50 | 184,20 | 173,05 | 173,05 | 184,20 | | | |
| 10.347 | 231 | | 878 | 174,60 | 6,99 | 9,50 | 188,20 | 177,05 | 177,05 | 188,20 | | | |
| 10.348 | 232 | 8700 | 441 | 177,17 | 6,99 | 9,50 | 190,60 | 179,45 | 179,45 | 190,60 | | | |

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Suministros Industriales y Servicios

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

| TECNORING | | | | O-Ring Dimensions | | Housing Dimensions | | | | | GDS for O-Ring grooves | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NR | OR UK | | U.S.A | di | CS | H | D | d1 | d | D1 | OR | OR+1GKS | OR+2GKS |
| 10.349 | 233 | | 880 | 181,00 | 6,99 | 9,50 | 194,50 | 183,35 | 183,35 | 194,50 | | | |
| 10.350 | 234 | 8725 | 442 | 183,52 | 6,99 | 9,50 | 196,90 | 185,75 | 185,75 | 196,90 | | | |
| 10.351 | 235 | | 882 | 187,30 | 6,99 | 9,50 | 20,90 | 189,75 | 189,75 | 200,90 | | | |
| 10.352 | 236 | 8750 | 443 | 189,87 | 6,99 | 9,50 | 203,30 | 192,15 | 192,15 | 203,30 | | | |
| 10.353 | 237 | | 884 | 193,70 | 6,99 | 9,50 | 207,20 | 196,05 | 196,05 | 207,20 | | | |
| 10.354 | 238 | 8775 | 444 | 196,22 | 6,99 | 9,50 | 209,60 | 198,45 | 198,45 | 209,60 | | | |
| 10.355 | 239 | | 886 | 200,00 | 6,99 | 9,50 | 213,60 | 202,45 | 202,45 | 213,60 | | | |
| 10.356 | 240 | 8800 | 445 | 202,57 | 6,99 | 9,50 | 216,00 | 204,85 | 204,85 | 216,00 | | | |
| 10.357 | 241 | 8825 | 674 | 208,92 | 6,99 | 9,50 | 222,30 | 211,15 | 211,15 | 222,30 | | | |
| 10.358 | 242 | 8850 | 446 | 215,27 | 6,99 | 9,50 | 228,70 | 217,55 | 217,55 | 228,70 | | | |
| 10.359 | 243 | 8875 | 676 | 221,62 | 6,99 | 9,50 | 235,00 | 223,85 | 223,85 | 235,00 | | | |
| 10.360 | 244 | 8900 | 447 | 227,97 | 6,99 | 9,50 | 241,40 | 230,25 | 230,25 | 241,40 | | | |
| 10.361 | 245 | 8925 | 678 | 234,32 | 6,99 | 9,50 | 247,70 | 236,55 | 236,55 | 247,70 | | | |
| 10.362 | 246 | 8950 | 448 | 240,67 | 6,99 | 9,50 | 254,10 | 242,95 | 242,95 | 254,10 | | | |
| 10.363 | 247 | 8975 | 680 | 247,00 | 6,99 | 9,50 | 260,40 | 249,25 | 249,25 | 260,40 | | | |
| 10.364 | 248 | 81000 | 449 | 253,37 | 6,99 | 9,50 | 266,80 | 255,65 | 255,65 | 266,80 | | | |
| 10.365 | 249 | 81025 | 682 | 259,70 | 6,99 | 9,50 | 273,10 | 261,95 | 261,95 | 273,10 | | | |
| 10.366 | 250 | 81050 | 450 | 266,07 | 6,99 | 9,50 | 279,50 | 268,35 | 268,35 | 279,50 | | | |
| 10.367 | 251 | 81075 | 684 | 272,40 | 6,99 | 9,50 | 285,80 | 274,65 | 274,65 | 285,80 | | | |
| 10.368 | 252 | 81100 | 451 | 278,77 | 6,99 | 9,50 | 292,20 | 281,05 | 281,05 | 292,20 | | | |
| 10.369 | 253 | 81125 | 686 | 285,10 | 6,99 | 9,50 | 298,50 | 287,35 | 287,35 | 298,50 | | | |
| 10.370 | | | - | 287,81 | 6,99 | 9,50 | | | | | | | |
| 10.371 | 254 | 81150 | 452 | 291,47 | 6,99 | 9,50 | 304,90 | 293,75 | 293,75 | 304,90 | | | |
| 10.372 | 255 | 81175 | 688 | 297,80 | 6,99 | 9,50 | 311,20 | 300,05 | 300,05 | 311,20 | | | |
| 10.373 | 256 | 81200 | 453 | 304,17 | 6,99 | 9,50 | 317,60 | 306,45 | 306,45 | 317,60 | 9,50 | 12,00 | 14,50 |
| 10.373/1 | | | 648 | 310,50 | 6,99 | 9,50 | | | | | | | |
| 10.374 | 257 | 81250 | 454 | 316,87 | 6,99 | 9,50 | 330,30 | 319,15 | 319,15 | 330,30 | | | |
| 10.374/1 | | | 649 | 323,20 | 6,99 | 9,50 | | | | | | | |
| 10.375 | 258 | 81300 | 455 | 329,57 | 6,99 | 9,50 | 343,00 | 331,85 | 331,85 | 343,00 | | | |
| 10.375/1 | | | 650 | 335,90 | 6,99 | 9,50 | 355,70 | 344,55 | 344,55 | 355,70 | | | |
| 10.376 | 259 | 81350 | 456 | 342,27 | 6,99 | 9,50 | | | | | | | |
| 10.377 | 260 | 81400 | 457 | 354,97 | 6,99 | 9,50 | 368,40 | 357,25 | 357,25 | 368,40 | | | |
| 10.378 | 261 | 81450 | 458 | 367,67 | 6,99 | 9,50 | 381,10 | 369,95 | 369,95 | 381,10 | | | |
| 10.379 | 262 | 81500 | 459 | 380,37 | 6,99 | 9,50 | 393,80 | 382,65 | 382,65 | 393,80 | | | |
| 10.380 | 263 | 81550 | 460 | 393,07 | 6,99 | 9,50 | 406,50 | 395,35 | 395,35 | 406,50 | | | |
| 10.381 | | 81600 | 461 | 405,26 | 6,99 | 9,50 | | | | | | | |
| 10.382 | | 81650 | 462 | 417,96 | 6,99 | 9,50 | | | | | | | |
| 10.383 | | 81700 | 463 | 430,66 | 6,99 | 9,50 | | | | | | | |
| 10.384 | | 81750 | 464 | 443,36 | 6,99 | 9,50 | | | | | | | |
| 10.385 | | 81800 | 465 | 456,06 | 6,99 | 9,50 | | | | | | | |
| 10.386 | | 81850 | 466 | 468,76 | 6,99 | 9,50 | | | | | | | |
| 10.387 | | 81900 | 467 | 481,46 | 6,99 | 9,50 | | | | | | | |
| 10.388 | | 81950 | 468 | 494,16 | 6,99 | 9,50 | | | | | | | |
| 10.389 | | 82000 | 469 | 506,86 | 6,99 | 9,50 | | | | | | | |
| 10.390 | | 82100 | 470 | 532,26 | 6,99 | 9,50 | | | | | | | |
| 10.391 | | 82200 | 471 | 557,66 | 6,99 | 9,50 | | | | | | | |
| 10.392 | | 82300 | 472 | 582,68 | 6,99 | 9,50 | | | | | | | |
| 10.393 | | 82400 | 473 | 608,08 | 6,99 | 9,50 | | | | | | | |
| 10.394 | | 82500 | 474 | 633,48 | 6,99 | 9,50 | | | | | | | |
| 10.395 | | 82600 | 475 | 656,88 | 6,99 | 9,50 | | | | | | | |

TECNORING
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STATIC seals

# O-RING GKS



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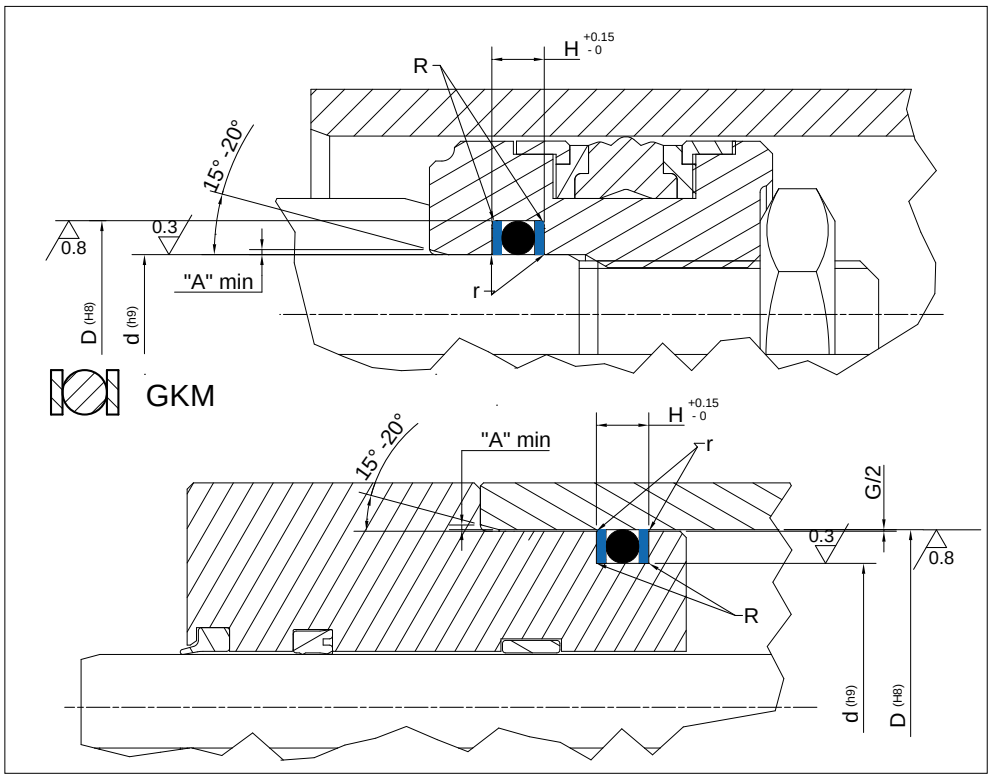
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# GKM











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| Static Seal design guidelines | | | | |
|---|---|---|---|---|
| **R** | **0mm < d ≤ 20mm** | **20mm < d ≤ 50mm** | **50mm < d ≤ 100mm** | **d ≥ 100mm** |
| | max 0.50 mm | max 0.80 mm | max 1 mm | max 1.5 mm |
| **r** | remove sharp edges: r ≤ 0.3mm | | | |
| **A** | 1 mm | 2 mm | 3 mm | 3 mm < A ≤ 5 mm |

| | Operating pressure to determinate Maximum Gap Allowance: G/2 | | | | |
|---|---|---|---|---|---|
| **G** | **O-ring Cross Section (CS)** | **> 16 MPa** | **> 26 MPa** | **> 32 MPa** | **> 40 MPa** |
| | 1.78 | 0.40 mm | 0.40 mm | 0.30 mm | 0.20 mm |
| | 2.62 | 0.70 mm | 0.60 mm | 0.50 mm | 0.30 mm |
| | 3.53 | 1.00 mm | 0.80 mm | 0.70 mm | 0.50 mm |
| | 5.34 | 1.00 mm | 0.80 mm | 0.70 mm | 0.50 mm |
| | 6.99 | 1.10 mm | 0.90 mm | 0.70 mm | 0.70 mm |

Para dimensiones diferentes de las listadas, rogamos consulten.
*For dimensions not listed, Please contact us.*

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# GKM

| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | h | H1 | H2 | O-Ring |
| GKM | 15001 | 8,00 | 4,00 | 1,30 | 4,50 | 5,80 | 3,3x2,4 |
| GKM | 15002 | 9,00 | 5,00 | 1,30 | 4,50 | 5,80 | 4,3x2,4 |
| GKM | 15003 | 10,00 | 6,00 | 1,30 | 4,50 | 5,80 | 5,3x2,4 |
| GKM | 15004 | 11,00 | 7,00 | 1,30 | 4,50 | 5,80 | 6,3x2,4 |
| GKM | 15005 | 12,00 | 8,00 | 1,30 | 4,50 | 5,80 | 7,3x2,4 |
| GKM | 15006 | 13,00 | 9,00 | 1,30 | 4,50 | 5,80 | 8,3x2,4 |
| GKM | 15007 | 14,00 | 10,00 | 1,30 | 4,50 | 5,80 | 9,3X2,4 |
| GKM | 15008 | 15,00 | 11,00 | 1,30 | 4,50 | 5,80 | 10,3x2,4 |
| GKM | 15009 | 16,00 | 12,00 | 1,30 | 4,50 | 5,80 | 11,3x2,4 |
| GKM | 15010 | 17,00 | 13,00 | 1,30 | 4,50 | 5,80 | 12,3x2,4 |
| GKM | 15011 | 18,00 | 14,00 | 1,30 | 4,50 | 5,80 | 13,3x2,4 |
| GKM | 15012 | 19,00 | 15,00 | 1,30 | 4,50 | 5,80 | 14,3x2,4 |
| GKM | 15013 | 20,00 | 16,00 | 1,30 | 4,50 | 5,80 | 15,3x2,4 |
| GKM | 15014 | 21,00 | 17,00 | 1,30 | 4,50 | 5,80 | 16,3x2,4 |
| GKM | 15015 | 22,00 | 18,00 | 1,30 | 4,50 | 5,80 | 17,3x2,4 |
| GKM | 15016 | 25,00 | 20,00 | 1,30 | 5,30 | 6,60 | 19,2x3 |
| GKM | 15017 | 28,00 | 23,00 | 1,30 | 5,30 | 6,60 | 22,2x3 |
| GKM | 15018 | 30,00 | 25,00 | 1,30 | 5,30 | 6,60 | 24,2x3 |
| GKM | 15019 | 32,00 | 27,00 | 1,30 | 5,30 | 6,60 | 26,2x3 |
| GKM | 15020 | 35,00 | 30,00 | 1,30 | 5,30 | 6,60 | 29,2x3 |
| GKM | 15021 | 38,00 | 33,00 | 1,30 | 5,30 | 6,60 | 32,2x3 |
| GKM | 15022 | 40,00 | 35,00 | 1,30 | 5,30 | 6,60 | 34,2x3 |
| GKM | 15023 | 42,00 | 37,00 | 1,30 | 5,30 | 6,60 | 36,2x3 |
| GKM | 15024 | 45,00 | 40,00 | 1,30 | 5,30 | 6,60 | 39,2x3 |
| GKM | 15025 | 48,00 | 43,00 | 1,30 | 5,30 | 6,60 | 42,2x3 |
| GKM | 15026 | 50,00 | 45,00 | 1,30 | 5,30 | 6,60 | 44,2x3 |
| GKM | 15027 | 53,50 | 48,50 | 1,30 | | | |
| GKM | 15028 | 55,00 | 50,00 | 1,30 | 5,30 | 6,60 | 49,5x3 |
| GKM | 15029 | 60,00 | 55,00 | 1,30 | 5,30 | 6,60 | 54,5x3 |
| GKM | 15030 | 63,00 | 58,00 | 1,30 | 5,30 | 6,60 | 57,5x3 |
| GKM | 15031 | 65,00 | 60,00 | 1,30 | 5,30 | 6,60 | 59,5x3 |
| GKM | 15032 | 68,00 | 63,00 | 1,30 | 5,30 | 6,60 | 62,0x3 |
| GKM | 15033 | 70,00 | 65,00 | 1,30 | 5,30 | 6,60 | 64,5x3 |
| GKM | 15034 | 75,00 | 70,00 | 1,30 | 5,30 | 6,60 | 69,5x3 |
| GKM | 15035 | 77,50 | 72,50 | 1,30 | | | |
| GKM | 15036 | 80,00 | 75,00 | 1,30 | 5,30 | 6,60 | 74,5x3 |
| GKM | 15037 | 85,00 | 80,00 | 1,30 | 5,30 | 6,60 | 79,5x3 |
| GKM | 15038 | 90,00 | 85,00 | 1,30 | 5,30 | 6,60 | 84,5x3 |
| GKM | 15039 | 95,00 | 90,00 | 1,30 | 5,30 | 6,60 | 89,5x3 |
| GKM | 15040 | 99,00 | 94,00 | 1,30 | 5,30 | 6,60 | 93,5x3 |
| GKM | 15041 | 100,00 | 95,00 | 1,30 | 5,30 | 6,60 | 94,5x3 |
| GKM | 15042 | 105,00 | 100,00 | 1,30 | 5,30 | 6,60 | 99,5x3 |
| GKM | 15043 | 110,00 | 105,00 | 1,30 | 5,30 | 6,60 | 104,5x3 |
| GKM | 15044 | 115,00 | 110,00 | 1,30 | 5,30 | 6,60 | 109,5x3 |
| GKM | 15045 | 118,00 | 113,00 | 1,30 | 5,30 | 6,60 | 112,5x3 |
| GKM | 15046 | 120,00 | 115,00 | 1,30 | 5,30 | 6,60 | 114,5x3 |
| GKM | 15047 | 125,00 | 120,00 | 1,30 | 5,30 | 6,60 | 119,5x3 |
| GKM | 15048 | 130,00 | 125,00 | 1,30 | 5,30 | 6,60 | 124,5x3 |
| GKM | 15049 | 135,00 | 130,00 | 1,30 | 5,30 | 6,60 | 129,5x3 |
| GKM | 15050 | 140,00 | 135,00 | 1,30 | 5,30 | 6,60 | 134,5x3 |
| GKM | 15051 | 145,00 | 140,00 | 1,30 | 5,30 | 6,60 | 139,5x3 |
| GKM | 15052 | 150,00 | 145,00 | 1,30 | 5,30 | 6,60 | 144,5x3 |

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# GKM



| PART NR | | MEDIDAS DE ALOJAMIENTO / Housing dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| | | D | d | h | H1 | H2 | O-Ring |
| GKM | 15053 | 40,00 | 30,00 | 1,70 | 9,50 | 11,50 | 29,2x5,7 |
| GKM | 15054 | 50,00 | 40,00 | 1,70 | 9,50 | 11,50 | 39,2x5,7 |
| GKM | 15055 | 55,00 | 45,00 | 1,70 | 9,50 | 11,50 | 44,2x5,7 |
| GKM | 15056 | 60,00 | 50,00 | 1,70 | 9,50 | 11,50 | 49,2x5,7 |
| GKM | 15057 | 63,00 | 53,00 | 1,70 | 9,50 | 11,50 | 52,3x5,7 |
| GKM | 15058 | 65,00 | 55,00 | 1,70 | 9,50 | 11,50 | 54,2x5,7 |
| GKM | 15059 | 70,00 | 60,00 | 1,70 | 9,50 | 11,50 | 59,2x5,7 |
| GKM | 15060 | 75,00 | 65,00 | 1,70 | 9,50 | 11,50 | 64,2x5,7 |
| GKM | 15061 | 80,00 | 70,00 | 1,70 | 9,50 | 11,50 | 69,2x5,7 |
| GKM | 15062 | 82,50 | 72,50 | 1,70 | | | |
| GKM | 15063 | 85,00 | 75,00 | 1,70 | 9,50 | 11,50 | 74,2x5,7 |
| GKM | 15064 | 90,00 | 80,00 | 1,70 | 9,50 | 11,50 | 79,2x5,7 |
| GKM | 15065 | 95,00 | 85,00 | 1,70 | 9,50 | 11,50 | 84,1x5,7 |
| GKM | 15066 | 100,00 | 90,00 | 1,70 | 9,50 | 11,50 | 89,1x5,7 |
| GKM | 15067 | 105,00 | 95,00 | 1,70 | 9,50 | 11,50 | 94,1x5,7 |
| GKM | 15068 | 110,00 | 100,00 | 1,70 | 9,50 | 11,50 | 99,1x5,7 |
| GKM | 15069 | 115,00 | 105,00 | 1,70 | 9,50 | 11,50 | 104,1x5,7 |
| GKM | 15070 | 120,00 | 110,00 | 1,70 | 9,50 | 11,50 | 109,1x5,7 |
| GKM | 15071 | 125,00 | 115,00 | 1,70 | 9,50 | 11,50 | 114,3x5,7 |
| GKM | 15072 | 130,00 | 120,00 | 1,70 | 9,50 | 11,50 | 119,3x5,7 |
| GKM | 15073 | 135,00 | 125,00 | 1,70 | 9,50 | 11,50 | 124,3x5,7 |
| GKM | 15074 | 140,00 | 130,00 | 1,70 | 9,50 | 11,50 | 129,3x5,7 |
| GKM | 15075 | 145,00 | 135,00 | 1,70 | 9,50 | 11,50 | 134,3x5,7 |
| GKM | 15076 | 150,00 | 140,00 | 1,70 | 9,50 | 11,50 | 139,3x5,7 |
| GKM | 15077 | 155,00 | 145,00 | 1,70 | 9,50 | 11,50 | 144,3x5,7 |
| GKM | 15078 | 160,00 | 150,00 | 1,70 | 9,50 | 11,50 | 149,3x5,7 |
| GKM | 15079 | 165,00 | 155,00 | 1,70 | 9,50 | 11,50 | 154,3x5,7 |
| GKM | 15080 | 170,00 | 160,00 | 1,70 | 9,50 | 11,50 | 159,3x5,7 |
| GKM | 15081 | 175,00 | 165,00 | 1,70 | 9,50 | 11,50 | 164,3x5,7 |
| GKM | 15082 | 180,00 | 170,00 | 1,70 | 9,50 | 11,50 | 169,3x5,7 |
| GKM | 15083 | 185,00 | 175,00 | 1,70 | 9,50 | 11,50 | 174,3x5,7 |
| GKM | 15084 | 190,00 | 180,00 | 1,70 | 9,50 | 11,50 | 179,3x5,7 |
| GKM | 15085 | 195,00 | 185,00 | 1,70 | 9,50 | 11,50 | 184,3x5,7 |
| GKM | 15086 | 200,00 | 190,00 | 1,70 | 9,50 | 11,50 | 189,3x5,7 |
| GKM | 15087 | 205,00 | 195,00 | 1,70 | 9,50 | 11,50 | 194,3x5,7 |
| GKM | 15088 | 210,00 | 200,00 | 1,70 | 9,50 | 11,50 | 199,3x5,7 |
| GKM | 15089 | 220,00 | 210,00 | 1,70 | 9,50 | 11,50 | 209,3x5,7 |
| GKM | 15090 | 230,00 | 220,00 | 1,70 | 9,50 | 11,50 | 219,3x5,7 |
| GKM | 15091 | 240,00 | 230,00 | 1,70 | 9,50 | 11,50 | 229,3x5,7 |
| GKM | 15092 | 250,00 | 240,00 | 1,70 | 9,50 | 11,50 | 239,3x5,7 |
| GKM | 15093 | 260,00 | 250,00 | 1,70 | 9,50 | 11,50 | 249,3x5,7 |
| GKM | 15094 | 270,00 | 260,00 | 1,70 | 9,50 | 11,50 | 259,3x5,7 |
| GKM | 15095 | 280,00 | 270,00 | 1,70 | 9,50 | 11,50 | 269,3x5,7 |

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