



osn

*Todo en juntas,  
circlips y rodamientos*

All in seals, circlips and bearings

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**OSN**

Empresa fundada en 1992.

Somos especialistas en estanqueidad, en fijación y en transmisión. OSN es una empresa líder en el mercado por su amplio stock y por la agilidad de su servicio.

En productos de estanqueidad ofrecemos una amplia gama que incluye juntas tóricas, quadrings, retenes, v-rings, juntas metalbuna, cierres mecánicos, collarines, rascadores o juntas de pistón y vástago. Es posible fabricar cualquier tipo de junta a medida en cualquier elastómero en cuestión de horas.

En fijación disponemos de una amplia oferta de anillos elásticos, arandelas, muelles y abrazaderas tanto en medidas métricas como en pulgadas. Además de disponer de un largo número de referencias para entrega inmediata tanto en acero al carbono como en inoxidable, podemos conseguir circlips especiales en el menor tiempo posible.

Nuestro catálogo incluye un gran stock de rodamientos y soportes. Cualquier marca está a nuestro alcance con un servicio profesional, rápido y eficiente. Consúltenos soluciones a medida para movimiento lineal o tenga a su alcance cualquier medida de rodamiento para bicicleta.

**OSN**

Company founded in 1992.

We are specialists in sealing, fastening and transmission. OSN is a leading company in the market due to its large stock and the agility of its service.

In sealing products we offer a wide range that includes o-rings, x-rings, oil seals, v-rings, bonded seals, mechanical seals, rod seals, piston seals and wipers. It is possible to manufacture any type of gasket or seal at measure on any elastomer in a matter of hours.

In fastening we have a range of elastic rings, washers, springs and clamps in both metric and inch sizes. In addition to our large number of references for immediate delivery in carbon and stainless steel, we can obtain special circlips in the shortest possible time.

Our catalogue includes a large stock of bearings and bearing housings. Any brand is within our reach with a professional, fast and efficient service. Consult us for customized solutions for linear movement or have access to any bicycle bearing measure.

Es famosa nuestra gama de kits: kits de juntas tóricas, de quadrings, de bonded seals, de anillos elásticos, de arandelas de cobre o de rodamientos y retenes para motocicleta. Damos la posibilidad de personalizar el kit que necesite.

Completamos nuestra oferta con un amplio surtido de lubricantes, tanto grasas como aceites, y adhesivos. Somos especialistas en productos para la industria alimentaria además de disponer de todas las soluciones para la correcta lubricación de todos los productos que ponemos a su alcance.

OSN dispone de una división especializada en mantenimiento industrial que ofrece soluciones personalizadas y que, además de todos los productos mencionados, incluye cadenas, piñones, poleas, motores eléctricos, bombas, reductores y resortes de gas.

Disponemos de un centro logístico de 1000 m<sup>2</sup> en el municipio de Bellvei, en Tarragona, para dar un servicio en menos de 24 horas a toda la península Ibérica y Baleares. Podemos garantizar envíos a cualquier parte del mundo en 24-48 horas.

¡No dude en contactarnos!

Our range of kits is famous: o-rings, x-rings, bonded seals, elastic rings, copper washers or sets with bearings and seals for motorcycle. We offer you the possibility to customize the kit you need.

We complete our list with a wide assortment of lubricants, both greases and oils, and adhesives. We are specialists in products for the food industry in addition to having all the solutions for the correct lubrication of all the products that we put at your disposal.

OSN has a division specialized in industrial maintenance that offers customized solutions and, in addition to all the mentioned products, includes chain, pinions, pulleys, electric motors, pumps, reducers and gas springs.

We have a 1000 m<sup>2</sup> logistics center in the municipality of Bellvei, in Tarragona, to provide service in less than 24 hours to the entire Iberian Peninsula and the Balearic Islands. We can guarantee shipments anywhere in the world in 24-48 hours.

¡Do not hesitate to contact us!

## La empresa

### *The Company*



Acceda a toda nuestra oferta de productos y su stock en tiempo real, consulte su precio y disponibilidad, solicite presupuestos, lea las fichas técnicas de cada artículo y envíe su pedido a cualquier hora de los 365 días del año. Un servicio exclusivo para clientes registrados.

Access our entire range of products and their stock in real time, check their price and availability, request quotes, read the technical data sheets for each item and send your order at any time, 365 days a year. An exclusive service for registered customers.



# Estanqueidad Sealing

## Retenes *Oil seals*

Diámetro exterior Outside diameter	desde 10 hasta 1000 mm from 10 to 1000 mm
Resistencia Resistance	temp. de -55°C hasta 225°C. De 65 a 90±5 ShoreA temp. from -55°C to 225°C. From 65 to 90±5 ShoreA
Presión Pressure	desde ≤ 0,3 bar (con muelle) o hasta 100 bar (especiales presión) from ≤ 0.3 bar (with spring) or up to 100 bar (special pressure)
Velocidad Speed	desde ≤ 3.5 m/s hasta ≤ 30 m/s, según tipo from ≤ 3.5 m/s to ≤ 30 m/s, depending on type
Materiales Materials	NBR, FKM, VMQ, ACM, EPDM, HNBR, CR, PTFE. Según DIN 3760 e ISO 6194. NBR, FKM, VMQ, ACM, EPDM, HNBR, CR, PTFE. According to DIN 3760 and ISO 6194.

## Perfiles *Drawings*

### Tipo A *A Type*



**SC**  
DIN 3760-A



**SC-OF**



**SCW**



**SF**



**SFG**



**SG**



**SGW**



**SO**

### Tipo AO *AO Type*



**KC**  
DIN 3760-A



**KG**



**KXC**



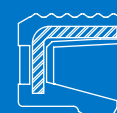
**VC**



**VF**



**VG**



**VG1**

### Tipo AP *AP Type*



**SAN**



**SCN**



**SCNW**



**SCV**



**SFN**



**SGN**



**SZN**

**Tipo AS** *AS Type*

**TC**  
DIN 3760-AS

**TC-IF**

**TCMI**  
INTEGRATED SPRING

**TC-OF**

**TC-PL**  
PTFE REINFORCEMENT

**TCW**

**TF**

**TFG**

**TFW**

**TG**

**TGW**

**TGW-BI**

**TO**

**TXC**

**TXF**

**TXG**

**TXGW**
**Tipo ASP** *ASP Type*

**TCN**  
DIN 3760-ASP

**TCV**

**TCNW**

**TCZ**

**TDN**

**TFN**

**TGN**

**TGNW**

**TZN**
**Tipo AO** *AO Type*

**SB**  
DIN 3761-B

**SBC**

**SBCW**

**SBG**

**SB-H**  
ANTI-CORROSION

**SBGW**

**SBW**

**SB-PL**  
PTFE REINFORCEMENT

**SM**

**SMC**

**SZ**
**Tipo BO** *BO Type*

**KB**  
DIN 3761-BOS

**KM**

**VB**  
DIN 3761-BO

**VM**

**VM-H**  
ANTI-CORROSION

**VZ**

# Estanqueidad Sealing

## Tipo BS *BS Type*



**SBMI**  
INTEGRATED SPRING



**TB**  
DIN 3761-BS



**TBC**



**TBCW**



**TBG**



**TBGW**



**TB-H**  
ANTI-CORROSION



**TBW**



**TL**



**TLW**



**TM**



**TXB**



**TZ**



**TZW**

## Tipo C *C Type*



**SA**  
DIN 3760-A



**SAE**



**SA-H**  
ANTI-CORROSION



**SAW**

## Tipo CS *CS Type*



**TA**



**TACW**



**TAE**

## Tipo CO *CO Type*



**VA**



**VA1**



**VA2**



**TAGW**



**TA-H**  
ANTI-CORROSION



**TAW**

## Tipo DUO *DUO Type*



**DA**



**DB**



**DBC**



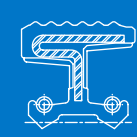
**DBG**



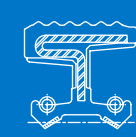
**DC**



**DF**



**DG**



**DG-PL**  
PTFE REINFORCEMENT



**DM**



**Tipo CASSETTE** *CASSETTE Type*



**K7-S1**   **K7-ST1**   **K7-S17**   **K7-S19**   **K7-S2**   **K7-S23**   **K7-S26**   **K7-S27**   **K7-S3**



**K7-S33**   **K7-S43**   **K7-S5**   **K7-S6**   **K7-S7**   **K7-S74**   **K7-S9**   **K7-ABS36**   **K7-C41**

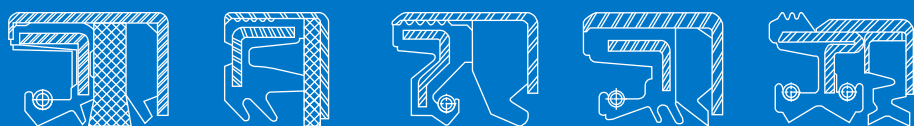
**Tipo LT** *LT Type*



**PA**   **PA1**   **PA1R**   **PA2**   **PA2C**   **PA2R**   **PA4**

≤ 3 bar

**Tipo COMBI** *COMBI Type*



**KOMSF1**   **KOMSF12**   **KOMSF14**   **KOMSF15**   **KOMSF18**



**KOMSF19**   **KOMSF4**   **KOMSF5**   **KOMSF6**   **KOMSF8**

**Tipo EC** *EC Type*



**EC**   **EC2**



**EG**   **TRR**



# Estanqueidad Sealing

## Tipo FORK *FORK Type*

<b>DC4</b>	<b>DC41</b>	<b>DC4S</b>	<b>DG4</b>	<b>DG4JB</b>	<b>DG41B</b>	<b>SC4</b>	<b>SC4S</b>	<b>SG4</b>
<b>SGJM</b>	<b>TBC4</b>	<b>TC4</b>	<b>TC4S</b>	<b>TC4W</b>	<b>TG4</b>	<b>TM4</b>	<b>VGJM</b>	

## Tipo Y *Y Type*

<b>SCS</b>	<b>SQS</b>	<b>TQS</b>	<b>TCS</b>

## Tipo DUOP *DUOP Type*

<b>DCN</b>	<b>DGN</b>

## Tipo LX *LX Type*

<b>O5L</b>	<b>OKC</b>	<b>OKG</b>	<b>OSA</b>	<b>OSB</b>	<b>OSC</b>	<b>OSF</b>	<b>OSG</b>
<b>OTA</b>	<b>OTB</b>	<b>OTC</b>	<b>OTF</b>	<b>OTG</b>	<b>OUB</b>	<b>OVG</b>	

Tipo AUTO

AUTO Type



CNB



CNBW



GNB



SAJ



SAR



SBCL



SBGR



SBJL



SBJR



SBL



SBR



SC4P



SCJ



SCJL



SCL



SCR



SGL



SGNP



SGR



SZR



TAR



TBCL



TBGL



TBGR



TBJ



TBJR



TBL



TBR



TC4P



TCJ



TCJL



TCL



TCR



TCN2P



TG4P



TGL



TGNP



TGR

TG-BI  
TWO MATERIALS

TMJ



TML



TXBJ



TXCJ



TXCR



TXGJ



TXGR

# Estanqueidad Sealing

## Tipo LS LS Type

<b>KG9</b>	<b>TA9W</b>	<b>TB2</b>	<b>TB6</b>	<b>TB9</b>	<b>TB9W</b>	<b>TBC2W</b>	<b>TBC9</b>
<b>TBG9</b>	<b>TBG9W</b>	<b>TC2</b>	<b>TC3</b>	<b>TC6</b>	<b>TC9</b>	<b>TC9W</b>	
<b>TG6W</b>	<b>TG9W</b>	<b>TM6</b>	<b>TZ9</b>	<b>UA</b>	<b>UB</b>	<b>UC</b>	

## Retenes para uso agrícola Agriculture seals

<b>AP1</b>	<b>AP3</b>

## Retenes de válvula Valve steam seals

<b>VGS1</b>	<b>VGS12</b>

## Muelles inoxidables Stainless steel springs



Materiales disponibles:  
AISI 302, AISI 304, AISI 316  
Available materials:  
AISI 302, AISI 304, AISI 316



## Fabricación express *Express manufacturing*

### Rascadores *Wipers*



WR01

WR01A

WR02

WR02A



WR02B

WR02C

WR02D

WR03



WR04

WR07

WR08

WR11



WR12

WR13

WR13\_E2

WR14



WR15

WR16

WR17

WR18

## Fabricación a medida *Custom manufacturing*



**Entrega rápida**  
*Fast delivery*

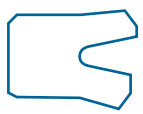


Podemos fabricar cualquier medida de retén con alma metálica en un plazo máximo de 4 semanas y retenes sin alma metálica -para aplicaciones que soporten menos de 400 RPM- en menos de 48 horas. Ofrecemos soluciones personalizadas sobre todo para las industrias farmacéutica y alimentaria.

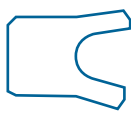
We can manufacture any seal measure with a metal case in a maximum period of 4 weeks and seals without a metal core -for applications that support less than 400 RPM- in less than 48 hours. We offer customized solutions especially for the pharmaceutical and food industries.

# Estanqueidad Sealing

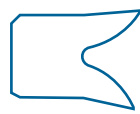
## Vástagos Rods



RS01



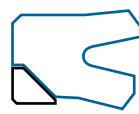
RS01A



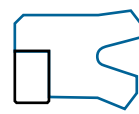
RS01B



RS01C



RS02



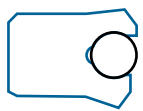
RS02A



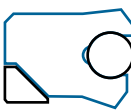
RS02B



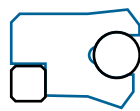
RS02C



RS03



RS04



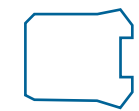
RS04A



RS05



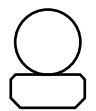
RS05A



RS08



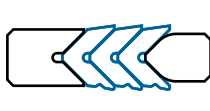
RS09



RS09A



RS09B



RS10-12B



RS91



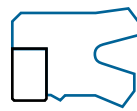
RS91B



RS16



RS17



RS17A



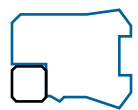
RS17B



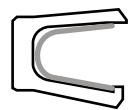
RS17C



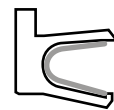
RS17D



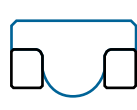
RS17E



RS19



RS19A



RS20



RS35



RS35A



RS31-33

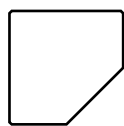
## Anillos de apoyo Support rings



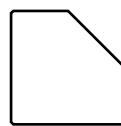
BUR08



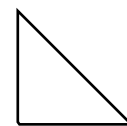
BUR09



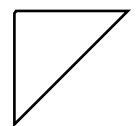
BUR10



BUR11



BUR12

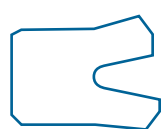


BUR13

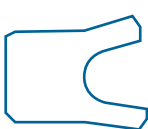


## Fabricación express *Express manufacturing*

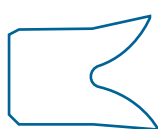
### Pistones *Pistons*



PS01



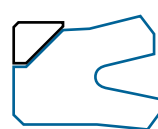
PS01A



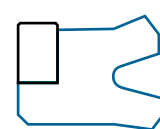
PS01B



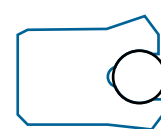
PS01C



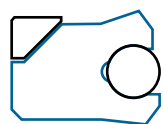
PS02



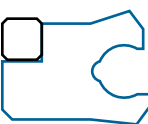
PS02A



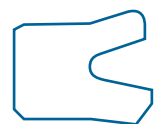
PS03



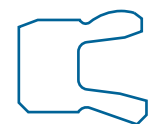
PS04



PS04A



PS05



PS05A



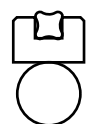
PS08



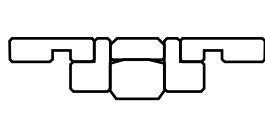
PS08A



PS08B



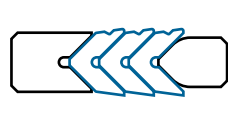
PS08C



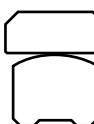
PS09A



PS08E



PS10-12B



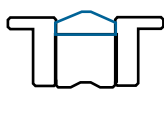
PS81



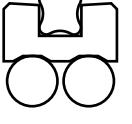
PS81B



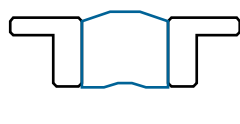
PS81C



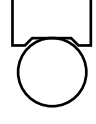
PS09



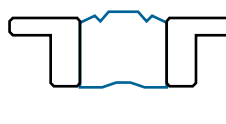
PS08D



PS17A



PS08F



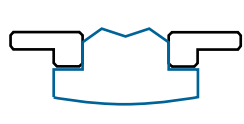
PS17



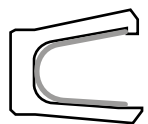
PS16



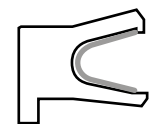
PS16A



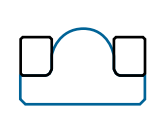
PS71B



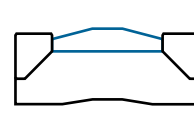
PS19



PS19A



PS20



PS23



PS35



PS35A

# Estanqueidad Sealing

## Simétricos *Symmetric*



PRS06



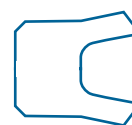
PRS06A



PRS06B



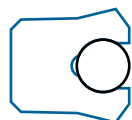
PRS06C



PRS06D



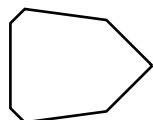
PRS06E



PRS07



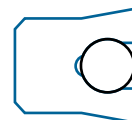
PRS10-12



PRS10SP



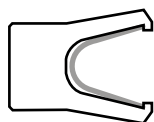
PRS10-12A



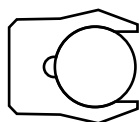
PRS18



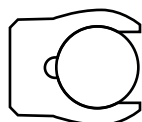
PRS13-15



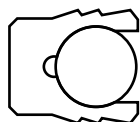
PRS19



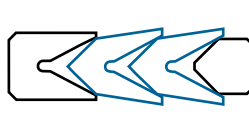
PRS19B



PRS19C



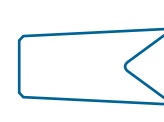
PRS19D



PRS25-27

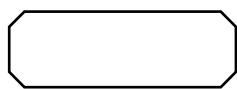


PRS22

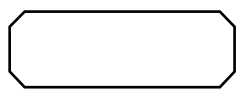


PRS99

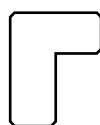
## Anillos guías *Guide rings*



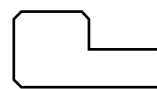
BWR01



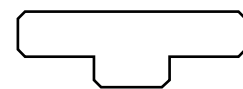
BWR01A



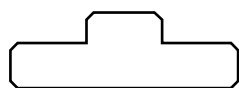
BWR03



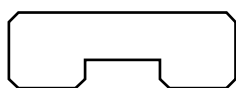
BWR04



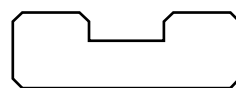
BWR05



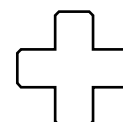
BWR06



BWR07



BWR08



BWR09

## Fabricación express *Express manufacturing*

### Rotativos *Rotary*



OS01A



OS02A



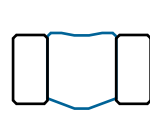
OS03A



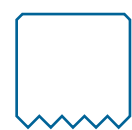
OS08



OS08A



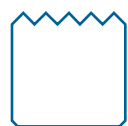
R03



R04



R04A



R05



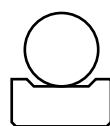
R05A



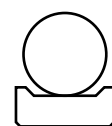
VR06



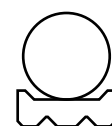
VR07



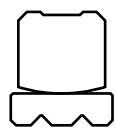
R08



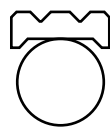
R08D



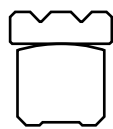
R09



R09A



R10



R10A



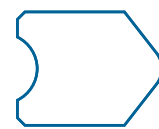
R11



R11D



R35A



R35B

### Estáticos y juntas *Static and seals*



FL01A



FL02B



FL03



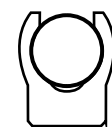
FL04



FL05



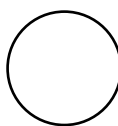
FL06



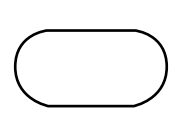
FL07



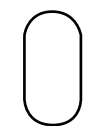
FL08



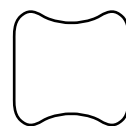
OR



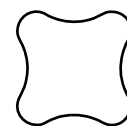
ORH



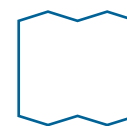
ORV



QR01



QR02

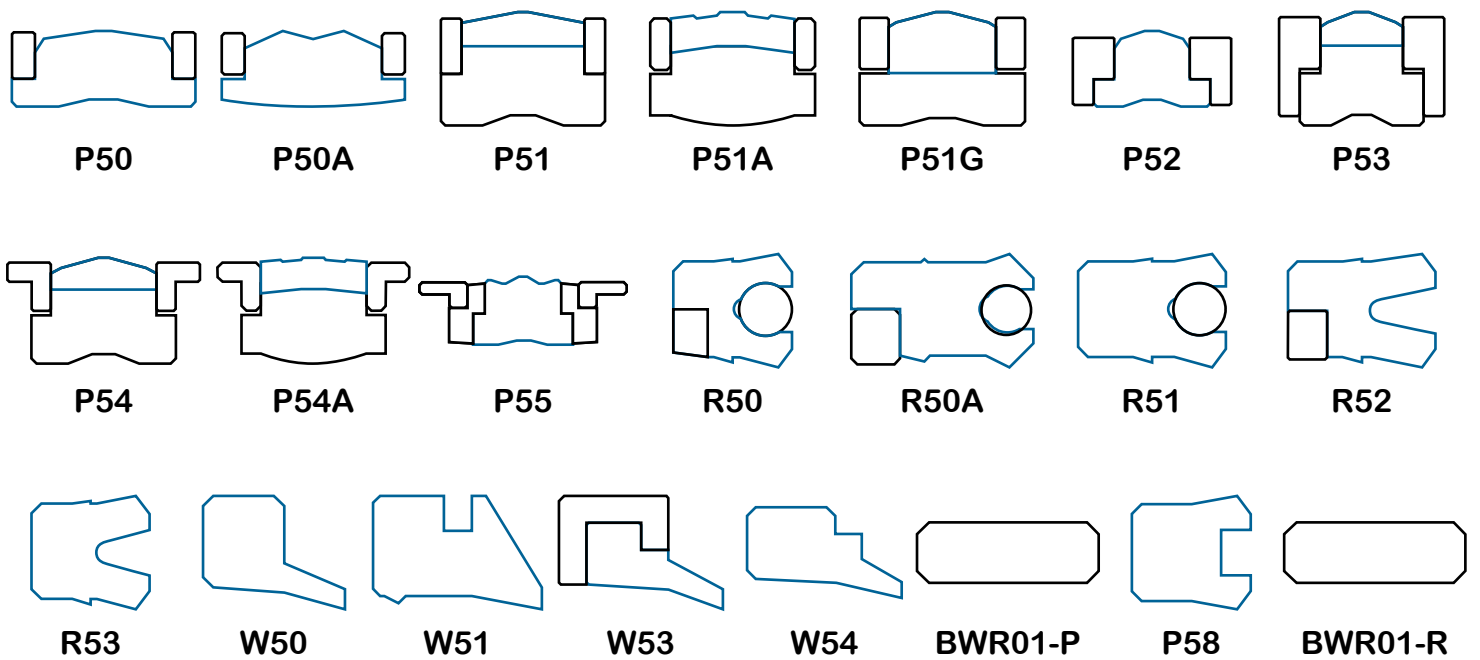


SS01



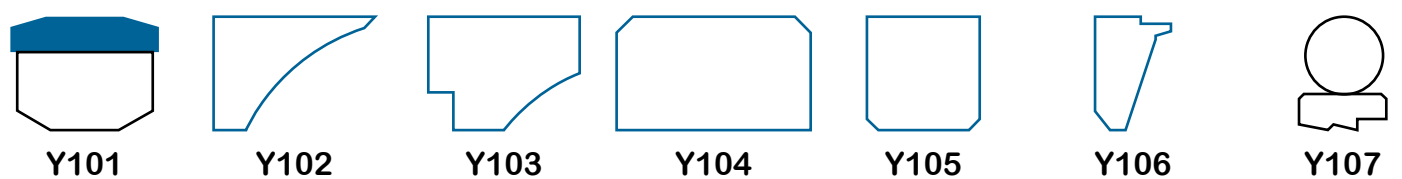
# Estanqueidad Sealing

## Minería Mining



## Perfiles estándares y especiales adicionales

*Additional standard and special profiles*



## Juntas estáticas *Static seals*

Presión Pressure	hasta 1000 bar para aplicaciones estáticas y hasta 100 bar en las dinámicas up to 1000 bar for static applications and up to 100 bar for dynamic ones
Dureza Hardness	variable entre 40 Sh y 90 ShoreA variable between 40 Sh and 90 ShoreA
Materiales Materials	NBR, FKM, FKM AED, FFKM, VMQ, EPDM, HNBR, PTFE, PU, CR. Detectables NBR, FKM, FKM AED, FFKM, VMQ, EPDM, HNBR, PTFE, PU, CR. Detectable
Normativa Normative	Cumplen con la norma DIN 3771, ISO 3601, ASTM D2000, FDA, NSF, WRAS y UL In compliance with DIN 3771, ISO 3601, ASTM D2000, FDA, NSD, WRAS and UL

## Perfiles *Drawings*



OR  
DIN 3771



ORE



QR



FR



APY



DR  
DIN 11851

## Hilos *Cords*



HT



HC



HQ



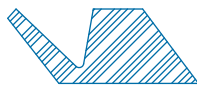
OR UV

Con nuestros hilos podemos fabricar juntas a medida de unión vulcanizada en caliente con entrega inmediata. With our cords we can manufacture custom-made hot vulcanized joints union with immediate delivery.

## V-rings y juntas axiales *V-Seals & axial face seals*



VR-VA



VR-VS



VR-VL



VR-VAX



VR-VE



RE



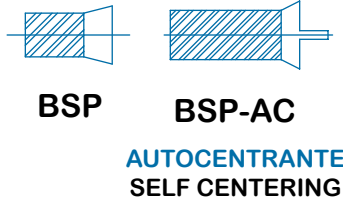
RE1

Rango desde 3 hasta 2000 mm. Materiales: NBR, FKM, VMQ, EPDM, CR.  
Range from 3 up to 2000 mm. Materials: NBR, FKM, VMQ, EPDM, CR.



# Estanqueidad Sealing

## Juntas metal-buna *Bonded seals*



Díámetro ext. Out. diameter	Temperatura Temperature	Presión máx. Max. pressure	Materiales Materials
hasta 150 mm up to 150 mm	de -40°C hasta 200°C from -40°C to 200°C	700 bar 700 bar	NBR, FKM, HNBR. Disponible en acero inox. NBR, FKM, HNBR. Available in stainless steel.

## Cierres mecánicos *Mechanical seals*

Cierres mecánicos para ejes rotativos apropiados para solucionar los sistemas de obturación en bombas, compresores, agitadores y maquinaria en general. Ofrecemos taller de reparación y soluciones a medida.

Mechanical seals for rotary shafts, ideal to solve the obturation systems in pumps, compressors, agitators and machinery in general. We offer repair workshop and tailor-made solutions.

### Para bombas de agua

*For water pumps*



AT



TP



NTB

### De muelle cónico

*Conical spring*



R2



R3

### Muelle de ballesta

*Leaf spring*



7K

### Para uso industrial

*For industrial use*



CCK

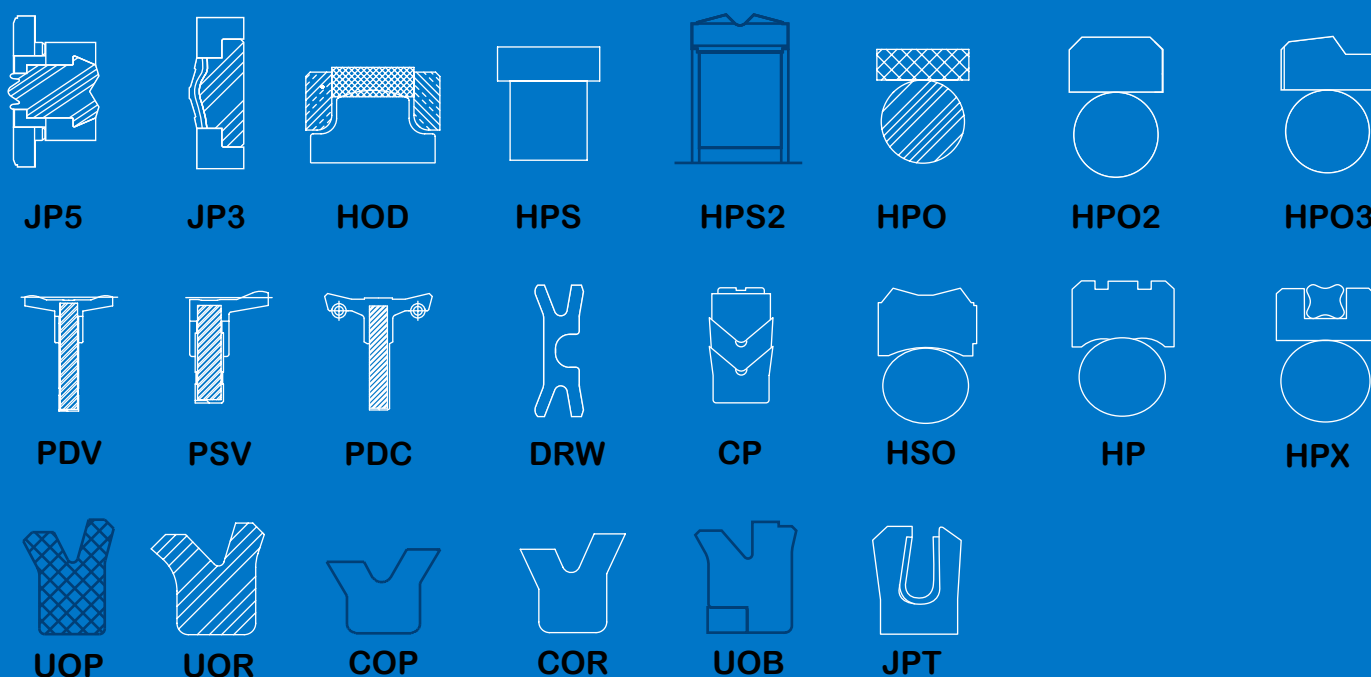


TSP



## Juntas para hidráulica y neumática *Hydraulic and pneumatic seals*

### Juntas de pistón *Piston seals*

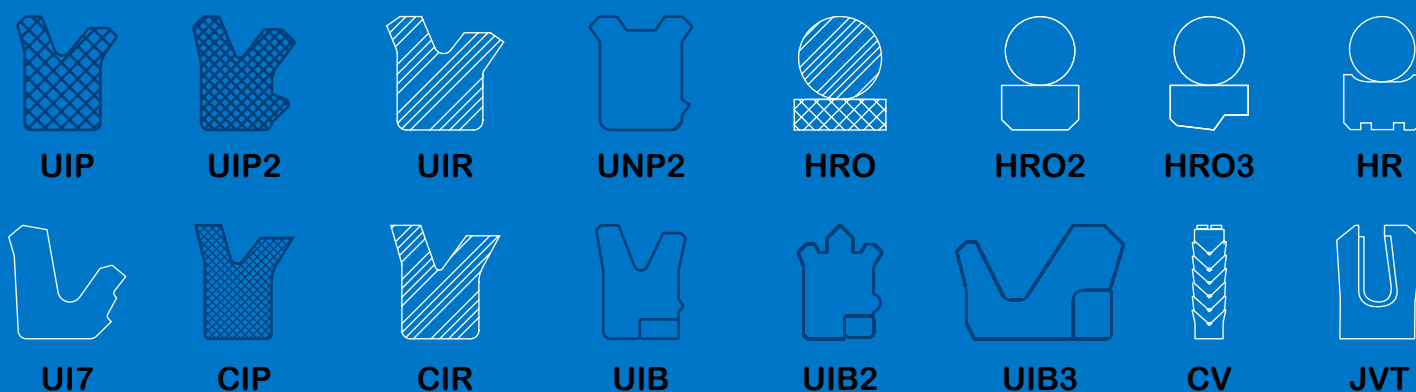


Mat: NBR, NBR+POM, PTFE. - Diam: 8 ~ 790 mm · Temp: -30°C ~ 100°C · Pres: <10 bar · Vel: 0,5 - 1 m/s.

Mat: PU. - Diam: 12 ~ 245 mm · Temp: -40°C ~ 100°C · Pres: <300 bar · Vel: 1m/s · Mat: PU.

Mat: NBR, FKM, EPDM, VMQ. - Diam: 8 ~ 790 mm · Temp: -55°C ~ 255°C · Pres: <10 bar · Vel: 0,5m/s.

### Juntas de vástago *Rod seals*



Mat: NBR, NBR+POM, PTFE. - Diam: 8 ~ 790 mm · Temp: -30°C ~ 100°C · Pres: <10 bar · Vel: 0,5 - 1 m/s.

Mat: PU. - Diam: 12 ~ 245 mm · Temp: -40°C ~ 100°C · Pres: <300 bar · Vel: 1m/s.

Mat: NBR, FKM, EPDM, VMQ, PTFE. - Diam: 8 ~ 790 mm · Temp: -55°C ~ 255°C · Pres: <10 bar · Vel: 0,5m/s.

## Juntas de vástago y pistón *Rod and piston seals*



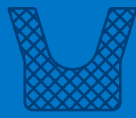
UNP



UNP1



UNR



CNP



CNR



HB



HS



HBX



UP1

Mat: NBR, NBR+POM, PTFE. - Diam: 8 ~ 790 mm · Temp: -30°C ~ 100°C · Pres: <10 bar · Vel: 0,5 - 1 m/s.

Mat: PU. - Diam: 12 ~ 245 mm · Temp: -40°C ~ 100°C · Pres: <300 bar · Vel: 1m/s.

Mat: NBR, FKM, EPDM, VMQ, PTFE. - Diam: 8 ~ 790 mm · Temp: -55°C ~ 255°C · Pres: <10 bar · Vel: 0,5m/s.

## Guías de pistón *Piston guides*



S



T



Z



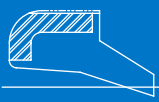
R

Diam: 0 ~ 10000 mm · Temp: -40°C ~ 200°C

Carga Load: <100 N · Vel: 1 m/s

Mat: PTFE+Graphite, PTFE+Carbon,  
PTFE+Bronze, POM+Glass Fiber.

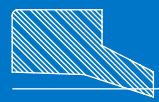
## Rascadores *Wipers*



WPM



WPR



WP12



WPB



WP20



WRK



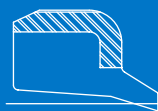
WP14



WP17



WPK



WPV



WP13



WR52



WP24



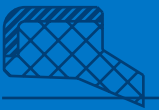
WRO



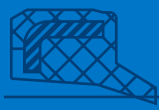
WRO2

De 10 a 790 mm de exterior, temperaturas de -30°C hasta 200°C, velocidad máxima 1m/s, materiales: NBR, FKM, PTFE.

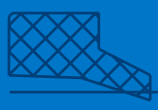
From 10 to 790 mm O.D., temperatures from -30° C to 200° C, maximum speed 1m/s, materials: NBR, FKM, PTFE



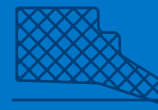
WP6



WP7



WP2



WP8



WP1



WP10



WP4



WP5



WP3



WP52



WP27



WP11

Poliuretano Polyurethane

## Retenes espejo *Floating seals*



FS



FSQ

Diam: 50 - 1000mm · Temp: -55°C ~ 225°C

Pres: <3 bar · Vel:<3m/s · Metal: 100cr6,

Gcr15 E52100, 534A99, SUJ2 · O-ring: NBR, FKM, VMQ, HNBR

# Fijación

## Fasteners

### Anillos elásticos Circlips

**Materiales Materials:** Acero al carbono carbon steel SAE 1060-1090, C67S, 65Mn; Inoxidables Stainless DIN 1.4122, AISI 302, AISI 304, AISI 316, AISI 420, PH15-7, PH17-17.

**Acabados Finishes:** Fosfatado Phosphated, Aceitado Oiled, Zincado Zinc plated.



**E**

DIN 471



**I**

DIN 472



**N**

DIN 6799



**DHI**

DIN 5108



**DSI**

DIN 5008



**H**



**DST**

DIN 983



**DHT**

DIN 984



**POL RING**



**CRS/CRH**

DIN 7993



**CBS**

DIN 5417

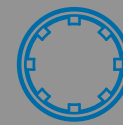


**CFH/CFS**

SB/SW



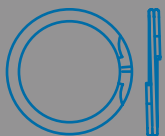
**WRE**



**DTX**



**DTI**



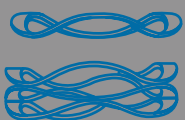
### ANILLOS EN ESPIRAL SPIRAL RINGS

#### Anillos en espiral

- Instalados axialmente - Internos/Externos
- DIN - Métrico - Pulgadas
- Contacto de 360 grados con la ranura
- Más holgura que los anillos de sección cónica
- Aplicaciones de baja carga de empuje
- Estándares: 6 mm a 400 mm / .250" a 10"
- Altamente personalizable
- Varios materiales y acabados disponibles incluyendo aleaciones especiales

#### Spiral Rings

- Axially Installed - Internal/External
- DIN - Metric - Inch
- 360 degree contact with groove
- More clearance than tapered section rings
- Low thrust load applications
- Standards: 6mm to 400mm / .250" to 10"
- Highly customizable
- Various materials and finishes available including special alloys



### RESORTES ONDULADOS WAVE SPRINGS

#### Resortes ondulados




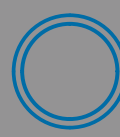
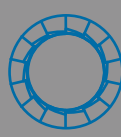

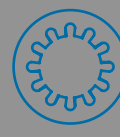

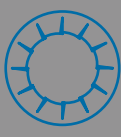




- Hasta un 50 % de ahorro de espacio en comparación con muelles helicoidales
- Métrico - Pulgadas
- Diseños de una vuelta y varias vueltas
- Mejora la vida útil de los rodamientos y las aplicaciones
- Disponible en extremos lisos, extremos con cuña y extremos planos patentados
- Varios materiales y acabados disponibles incluyendo aleaciones especiales
- Configuraciones, tamaños y materiales personalizados

#### Wave Springs

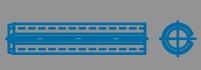

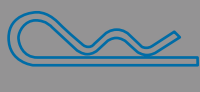
- Up to 50% space savings compared to coil springs
- Metric - Inch
- Single-Turn and Multi-Turn designs
- Improve bearing and application life
- Available in plain ends, shim ends, and patented flat ends
- Various materials and finishes available including special alloys
- Custom configurations, sizes and materials



## Arandelas Washers

							
DIN 2093	DIN 137A	DIN 137B	DIN 7603	DIN 25201	DIN 6797A	DIN 6797J	ARANLOCK
					<p>Varios materiales (acero al carbono, acero inoxidable, cobre, aluminio y fibra) y acabados (fosfatado, zincado...) disponibles.                  Various materials (carbon steel, stainless steel, copper, aluminium and fiber) and finishes (phosphated, zinc plated...) available.</p>		
DIN 6798J	DIN 6798A	DIN 125	DIN 93	DIN 463			

















## Pasador elástico Elastic pin

		
DIN 1481	DIN 94	DIN 11024

Material: Acero para muelles, acero inoxidable.  
 Acabado: Aceitado antioxidante.  
 Material: Carbon steel, stainless steel.  
 Finishes: Antioxidant oil.

## Abrazaderas Clamps














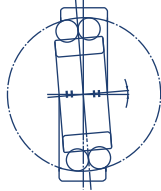










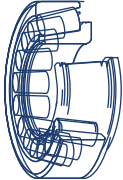
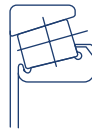
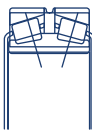
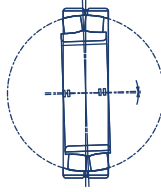



Materials: DIN 1624, DIN 1.0935, AISI 430, AISI-304, AISI 316. Acabados: Galvanizado, Zincado  
 Finishes: Zinc plated, Galvanized Recubrimientos Coatings: EPDM, NBR, VMQ, CR

							
AB10	AB20	DIN 3016-D	DIN 3016-E	DIN 3016-F	DIN 3016-A	DIN 3016-B	DIN 3016-C
							
CTL	DW	CTB	DIN 3017-1	DIN 3017-3	DIN 3017-B1	DIN 3017-B1	DIN 3017-B2

# Transmisión

## Transmission


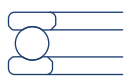

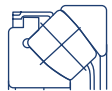

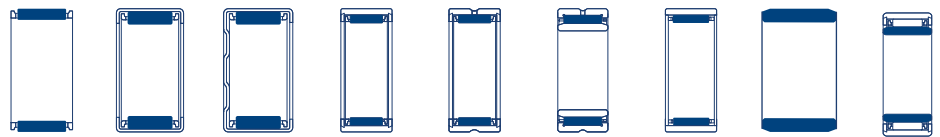
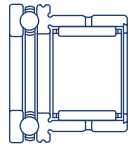
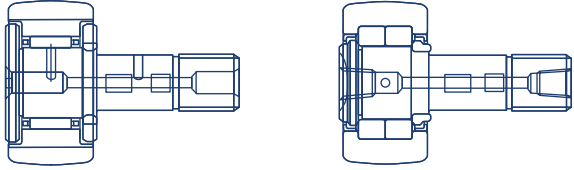

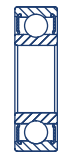
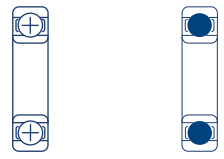
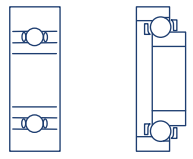
### Rodamientos Bearings

De bolas de contacto radial <i>Radial contact ball</i> 		<b>1 Hilera 1 Row</b> Series: 600, 620, 630, 16000, 6000, 6200, 6300, 6400, 6700, 6800, 6900	  
		<b>2 Hileras 2 Rows</b> Series: 4200, 4300	  
De bolas contacto angular <i>Angular contact ball</i> 		<b>1 Hilera 1 Row</b> Series: 7000, 7200, 7300, 7800, 7900, 71900	
		<b>2 Hileras 2 Rows</b> Series: 3200, 3300, 5200, 5300	
De bolas a rótula <i>Self-aligning ball</i> 	 	Series: 1200, 1300, 2200, 2300	
De rodillos cilíndricos <i>Cylindrical roller</i> 		<b>1 Hilera 1 Row</b> Series: 200, 300, 400, 100, 2200, 2300	 
		<b>2 Hileras 2 Rows</b> Series: 200, 300, 400, 100, 2200, 2300	 
De rodillos cónicos <i>Tapered roller</i> 	<b>Métrico Metric</b> Series: 30200, 30300, 31300, 3200, 32200, 32300, 33000, 33100, 33200		 
	<b>Pulgadas Inches</b> Series: H, HH, HM, LM, M, JM, JHM, JLM		<b>1 HILERA 1 ROWS</b> <b>2 HILERAS 2 ROWS</b>
De rodillos esféricos <i>Spherical roller</i> 	 	Series: 21300, 22200, 22300, 23000, 23100, 23200, 23300, 23800, 23900, 24000, 24100, 24800, 24900	





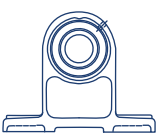

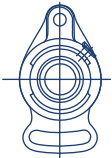

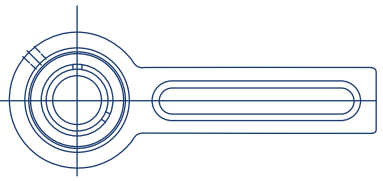

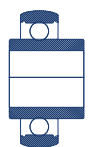
Trabajamos con todas las marcas, disponemos de un amplio stock y somos especialistas en rodamientos, soportes y accesorios para rodamientos de gama económica. We deal with all brands, we have a large stock and we are specialists in economic range bearings, supports and accessories for bearings.





<b>Axiales</b> <i>Thrust bearings</i>		 <b>De bolas Balls</b> Series: 51100, 51200, 51300	
		 <b>De rodillos Roller</b> Series: 29300, 29400	
<b>De agujas</b> <i>Needle</i>		 K HK-HMK BK NK RNA NA RNAO IR NKI	
<b>Combinados</b> <i>Combined</i>	 <b>NKX</b>	<b>Rodillos de leva</b> <i>Needle roller bearings</i>	 KR NUKRT
<b>Para bicicleta</b> <i>For cycle</i>	 <b>ACB</b>	 <b>MR</b>	 <b>CERÁMICOS CERAMIC</b> <b>HÍBRIDOS HYBRID</b>
			<b>Para moto</b> <i>For motorbike</i>
			 <b>SC0</b> <b>SAC</b>

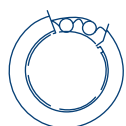
**Soportes** *Bearings housing*

							
<b>UCP</b>	<b>UCF</b>	<b>UCFL</b>	<b>UCFC</b>	<b>UCPH</b>	<b>UCPAE</b>	<b>UCFA</b>	<b>UCT</b>
			También disponibles en acero inoxidable y termoplástico, cumpliendo con los estándares FDA/NSF para la industria alimentaria. Also available in stainless steel and thermoplastic, complying with FDA/NSF standards for the food industry.				
<b>UCSP</b>	<b>UCC</b>	<b>UCS</b>					

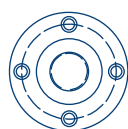
# Transmisión

## Transmission

### Rodamientos y soportes lineales de bolas *Ball bushing bearings and housings*



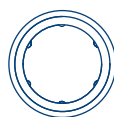
BBE



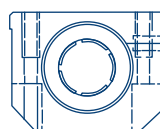
BBER



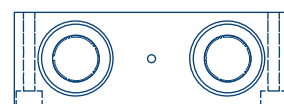
BBET



KH



LSE



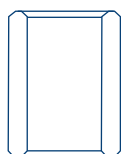
LSE-Q

### Guías lineales *Linear Guides*

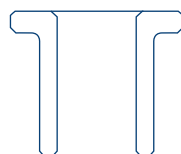


Dimensión según DIN ISO 12090. Guías lineales con y sin tecnología de jaula de bolas. Sólo un raíl para todas las versiones, alturas y tipos de diseño de carros. Múltiples opciones de sellado y lubricación. Diversos accesorios para cubierta de raíl y elementos de sujeción. Distintos recubrimientos como protección contra la corrosión. Ofrecemos servicio de corte, mecanizado, refrentado y empalme de guías lineales. Dimension according DIN ISO 12090. Linear Guides with and without ball chain technology. Only one rail for all versions, heights and design types of carriages. Diverse sealing and lubrication options. Extensive accessories such as rails cover and clamping elements. Different coatings as corrosion protection. Cutting, machining, facing and splicing services available.

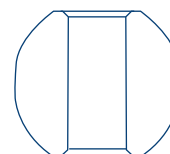
### Cojinetes Sinterizados Autolubricados *Self-lubricating Sintered Bearings*



CQ-A



CQ-B



CQ-C

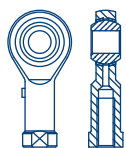
Material: Cobre o acero impregnado de aceite lubricante. Tolerancias JS13. Disponibilidad de barras para mecanizar a medida.

Material: Cooper or steel impregnated with lubricating oil. JS13 tolerances. Bar availability for custom machining.

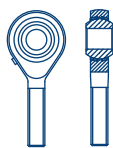




## Rótulas *Plain Bearings*



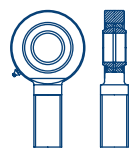
**PHS(L)**



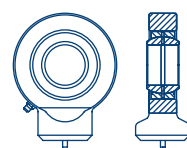
**POS(L)**



**PHSB**



**POSB**



**GK**



**GEH**

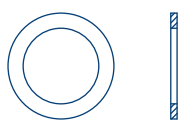


**GE**

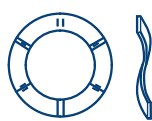
En acero al carbono e inoxidables. Consulte nuestra gama especial para competición. In carbon and stainless steel. Ask for our special range for competition.

## Accesorios Rodamientos *Bearings Accessories*

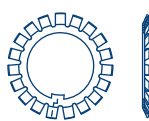
### Arandelas *Washers*



**PS**  
DIN 988

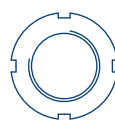


**ARANDELA ONDULADA**  
SPRING WASHER

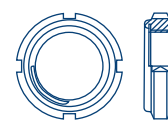


**MB**  
DIN 5406

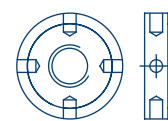
### Tuercas *Nuts*



**KM**  
DIN 981



**KMAT**  
AUTOBLOCANTE  
SELFBLOCKING



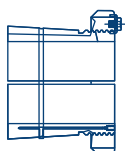
**KMGU**  
DIN 1816

Disponibles en acero al carbono y acero inoxidable. Carbon and stainless steel available.

### Manguitos *Sleeves*



**HH**



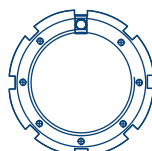
**OH**



**AH**



**AOH**



**HM**

### Anillos Nilos *Nilos Rings*



**AV**



**JV**

### Bolas *Balls*



### Rodillos *Rollers*



### Agujas *Needles*



### Jaulas de bolas *Balls Cage*



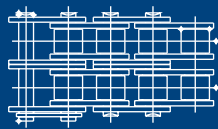
# Transmisión

## Transmission

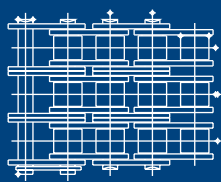
### Cadena *Chain*



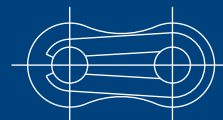
CD-1



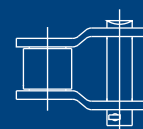
CD-2



CD-3



UNION



AC

DIN 8187 - DIN 8188 "ASA". Material: Acero, AISI 304 . Acabados: Posibilidad de recubrimiento en goma. Material: Steel , AISI 304 . Finishes: Possibility of rubber coating.

### Piñones, discos y ruedas para cadena *Chain sprockets and platewheels*



DC-1



DC-2



DC-3



RC-1



RC-2



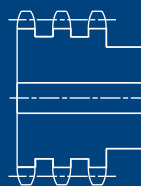
RC-3



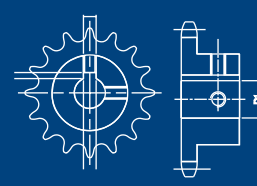
PC-1



PC-2



PC-3



PC-M  
MECANIZADO MACHINED

DIN 8187 - DIN 8188 "ASA". Material: Acero, AISI - 304 . Acabados: Posibilidad de tratamientos especiales. Material: Steel , AISI- 304 . Finishes: Possibility of special treatments.

### Correas *Belts*



C-V



C-VB



C-DK



C-XP



C-VP



C-VX



C-KB

ISO 4183 - ISO 4184. Temperatura: De -18°C a 80°C. Vel: 30m /seg. Correas con certificado ATEX y FRAS disponibles bajo demanda. Temperature: From -18°C to 80°C. Vel: 30m /seg. ATEX and FRAS certified belts available on request.

# Muelles y silentblocks Springs and silentblocks

## Silentblocks *Silentblocks*

**SLB-A**   **SLB-B**   **SLB-C**   **SLB-D**   **SLB-E**   **BRB**   **MRN**  
**KGD**   **KGE**   **FD**

**ARTICULACIONES**  
**ARTICULATIONS**

DIN 7715-2-Class M4.  
 Dureza / Hardness: 40 - 70 ShoreA.  
 Temp: -40°C - 90°C.

## Resortes de gas *Gas springs*

**RG-R (DE ROSCA)**  
**RG-R (THREAD END)**  
**RG-OS (DE OJOS SOLDADOS)**  
**RG-OS (WELDED EYES)**

2.000 dimensiones disponibles. Longitudes desde 86 hasta 1066 mm. Vástago desde 4 a 14 mm. Tubos de 12 a 28 mm. Fuerza desde los 20 hasta los 2500 Newtons. En acero al carbono e inoxidable. Gama apta para industria alimentaria con certificado FDA. Configure su resorte de gas a medida rellenando nuestro formulario.

2,000 dimensions available. Lengths from 86 to 1066 mm. Stem from 4 to 14 mm. Tubes from 12 to 28 mm. Force from 20 to 2500 Newtons. In carbon and stainless steel. Range suitable for the food industry with FDA certificate. Configure your custom gas spring by filling out our form.

## Muelles *Springs*

**DIN 2095**   **DIN 2097**

Materiales: Acero al carbono, AISI 302, AISI 304, AISI 316. Múltiples versiones, acabados y colores disponibles.

Materials: Carbon steel, AISI 302, AISI 304, AISI 316. Multiple versions, finishes and colors available.

## Amarres y anclajes para resortes de gas Gas spring ends and fittings

**AM-1**   **AM-2**   **AM-3**   **AM-4**   **AM-5**   **AM-6**  
**AN1**   **AN2**   **AN3**

# Lubricantes y adhesivos

## Lubricants and adhesives

### Grasas Greases



Desde cartuchos de 400gr hasta barriles de 180kg:  
Grasa universal, con litio y teflón, con molibdeno y grafito, para altas velocidades, para altas y bajas temperaturas, vaselina

From 400 gr cartridges to 180 kg barrels:  
Universal grease, with lithium and PTFE, with molybdenum and graphite, for high speeds, for high and low temperatures, vaseline



Amplia gama de productos aptos para la industria alimentaria con certificados NSF o FDA.  
Wide range of products suitable for the food industry with NSF or FDA certificates.



Disponemos de una línea especial para motos y bicicletas.

We have a special production line for motorcycles and bicycles.



Productos disponibles en sistemas de lubricación automática de 60 a 250 cm<sup>3</sup>.

Products available in automatic lubrication systems from 60 to 250 cm<sup>3</sup>



### Aceites Oils



Gran variedad de aceites industriales con todas las viscosidades (15-1000) que ofrece el mercado y en una completa oferta de envases con la posibilidad de personalizarlos.

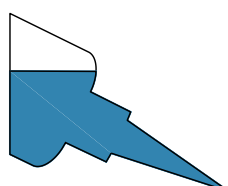
Wide variety of industrial oils with all the viscosities (15-1000) offered by the market and in a complete offer of containers that can be personalized.



### Detergentes Cleaners

1. OSN SOAP: Jabón desengrasante para el lavado de manos. Degreasing soap for hand washing.
2. Toallitas limpiadoras para eliminar grasa o productos adhesivos. Cleaning wipes to remove grease or adhesive products
3. Espuma limpiadora multi superficie. Multi surface cleaning foam

### Adhesivos Adhesives



Disponemos de gamas totalmente ecológicas y gamas aptas para la industria alimentaria. Envases de 20gr a 10kg y de 10ml a 2l.  
We have completely ecological ranges and ranges suitable for the food industry. Containers from 20 grams to 10 kg and from 10 ml to 2 l.

Consulta todos los tipos de adhesivos aquí:  
Consult everyone the types of adhesives here:



### Aerosoles Sprays



De 150 a 500 ml:  
Spray lubricante universal, lubricante con teflón, engrasante multiuso, desengrasante, para cadena, para cadena con teflón, para engranajes, antióxido

From 150 to 500 ml:  
Universal lubricant spray, lubricating spray with PTFE, multipurpose grease spray, degreasing spray, chain spray, spray for chain with PTFE, gear boxes spray, anti-rust spray

## Herramientas y kits

### Tools and sets

#### Manguitos de reparación para ejes desgastados *Shaft repair sleeves*



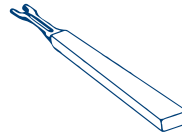
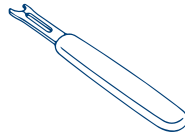
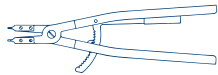
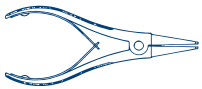
Para ejes de 11,9 mm a 203,37 mm. Acero inoxidable (AISI 304). Espesor de paredes: 0,28 mm (+/-0,05). Dureza: HV 220. Incluye herramienta de montaje.

For shafts from 11,9 mm to 203,37 mm. Stainless steel (AISI 304). Wall thickness: 0,28 mm (+/- 0.05). Hardness: HV 220. Includes mounting tool.



#### Alicates, aplicadores y dispensadores de anillos

### Ring pliers, applicators and dispensers



Alicates para una correcta instalación de anillos con agujeros. Aplicadores y dispensadores para todas las medidas de anillos DIN 6799 y tipo C, tanto en métrico como en pulgadas. Pliers for a correct installation of rings with holes. Applicators and dispensers for all sizes of DIN 6799 and type C rings, both in metric and inch.

#### Otras herramientas *Other tools*



**EXTRACTOR DE RETENES**  
SEAL EXTRACTOR



**EXTRACTOR DE JUNTAS TÓRICAS**  
O-RING EXTRACTOR



**INSTALADOR DE COLLARINES**  
HYDRAULIC SEALS  
INSTALLATION TOOL



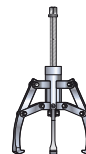
**MEDIDORES DE TÓRICAS (MÉTRICO Y PULGADAS)**  
O-RING SIZER  
(METRIC AND IMPERIAL)



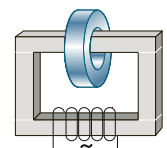
**PISTOLA PARA SPRAY**  
SPRAY GUN



**BOMBA DE ENGRASE**  
GREASE GUN



**EXTRACTOR DE RODAMIENTOS**  
BEARING PULLER



**CALENTADOR DE RODAMIENTOS**  
BEARING HEATER

#### Kits *Sets*



Consulta nuestra amplia gama de kits aquí:  
Consult our wide range of kits here:

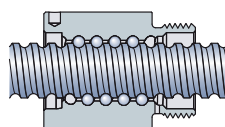


## Soluciones a medida

### Custom made solutions

Todos los productos de este catálogo pueden ser modificados y adaptados a las necesidades de nuestros clientes. También podemos ofrecer todo tipo de soluciones personalizadas en productos de estanqueidad, fijación, transmisión o lubricación. Somos especialistas en productos a medida para OEM.

All the products in this catalog can be modified and adapted to the needs of our customers. We can also offer all kinds of customized solutions in sealing, fixing, transmission or lubrication products. We are specialists in customized products for OEMs.



Retenes, rodamientos y lubricantes grabados o envasados con su marca.  
Seals, bearings and lubricants engraved or packaged with your brand.



Realizamos kits a medida con cualquiera de nuestra gama de productos. Varios estuches a elegir. Posibilidad de personalizarlos con su marca y diseño. Pequeñas y grandes series.

We make custom kits with any of our range of products. Various cases to choose from. Possibility of customizing them with your brand and design. Small and large series.



Sellos mecánicos a medida y taller de reparación.  
Custom made mechanical seals and repair shop.



## Estudios dimensionales *Dimensional studies*



Realizamos estudios dimensionales de cualquiera de nuestros productos, verificamos que cumplen con las tolerancias y durezas requeridas, y ofrecemos cualquiera de los certificados recogidos por la UNE-EN 10204.

We carry out dimensional studies of any of our products, we verify that they meet the required tolerances and hardness, and we offer any of the certificates included in UNE-EN 10204.

OSN está certificada con la ISO 9001 y nuestros fabricantes cuentan con las certificaciones ISO 14001 e IATF 16949.  
OSN is ISO 9001 certified and our manufacturers are ISO 14001 and IATF 16949 certified.







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