

# **ROBIEL®**

## **WASTEGATES AND TURBOCHARGERS PARTS CATALOG**

### **Atuadores**

*Wastegate with hose connection in 0° position and diameter(Ø) of 6mm*  
*Wastegate with hose connection in 0° position and diameter(Ø) of 8mm*  
*Wastegate with hose connection in 90° position and diameter(Ø) of 6mm*  
*Wastegate with hose connection in 90° position and diameter(Ø) of 8mm*  
*Wastegate with hose connection in 45° position and diameter(Ø) of 8mm*

*Wastegate for BorgWarner turbochargers*

*Wastegate for HR Hyundai | KIA Bongo turbochargers*

*Wastegate for Caterpillar*

*Wastegate for MAN Bi-Turbo*

*Adjusting*

### **Turbochargers Parts**

*Hose clamp*

*Turbocharger sensor adapter*

*Turbocharger oil outlet adaptor*

*Hollow double screw*

*Fitting nuts*

*Turbocharger clamp plates*

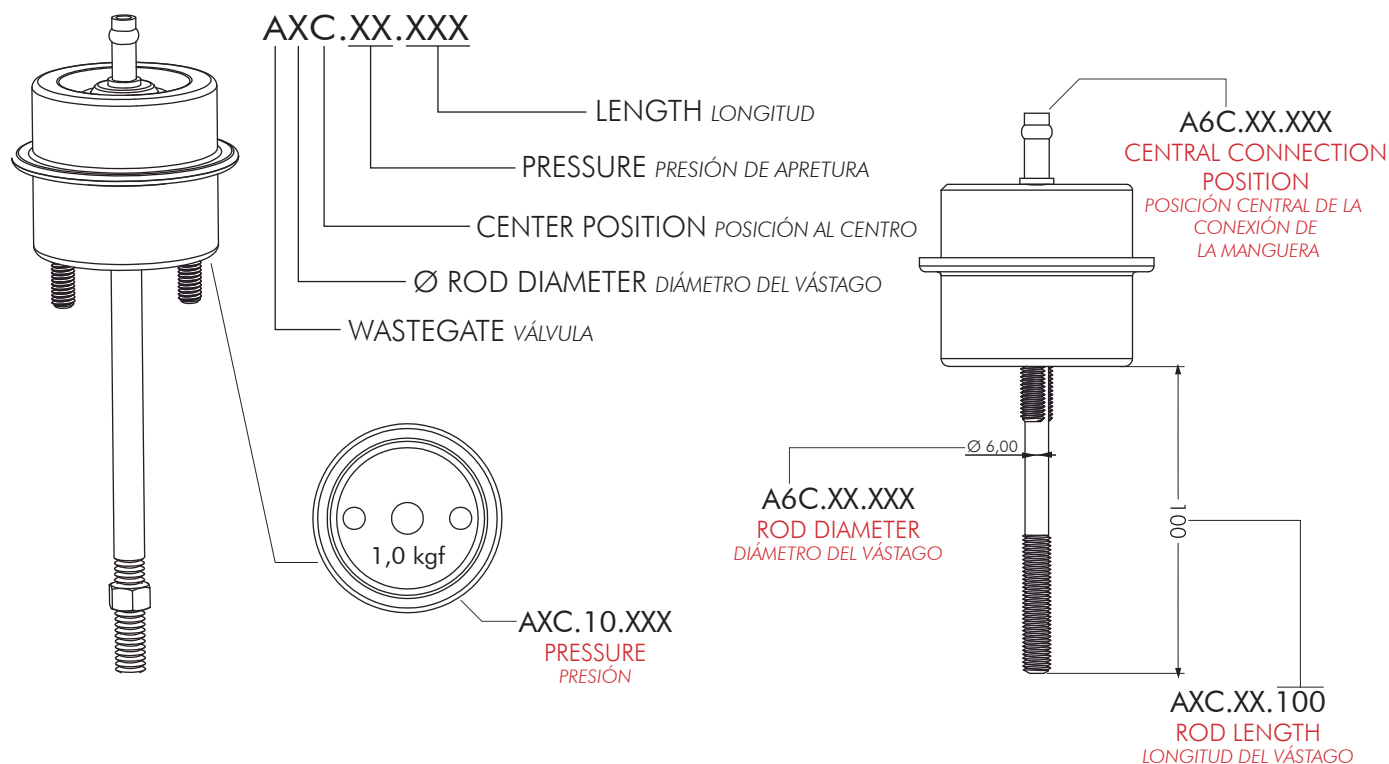
*Fitting kits*

*Turbo seals*

*O-ring*

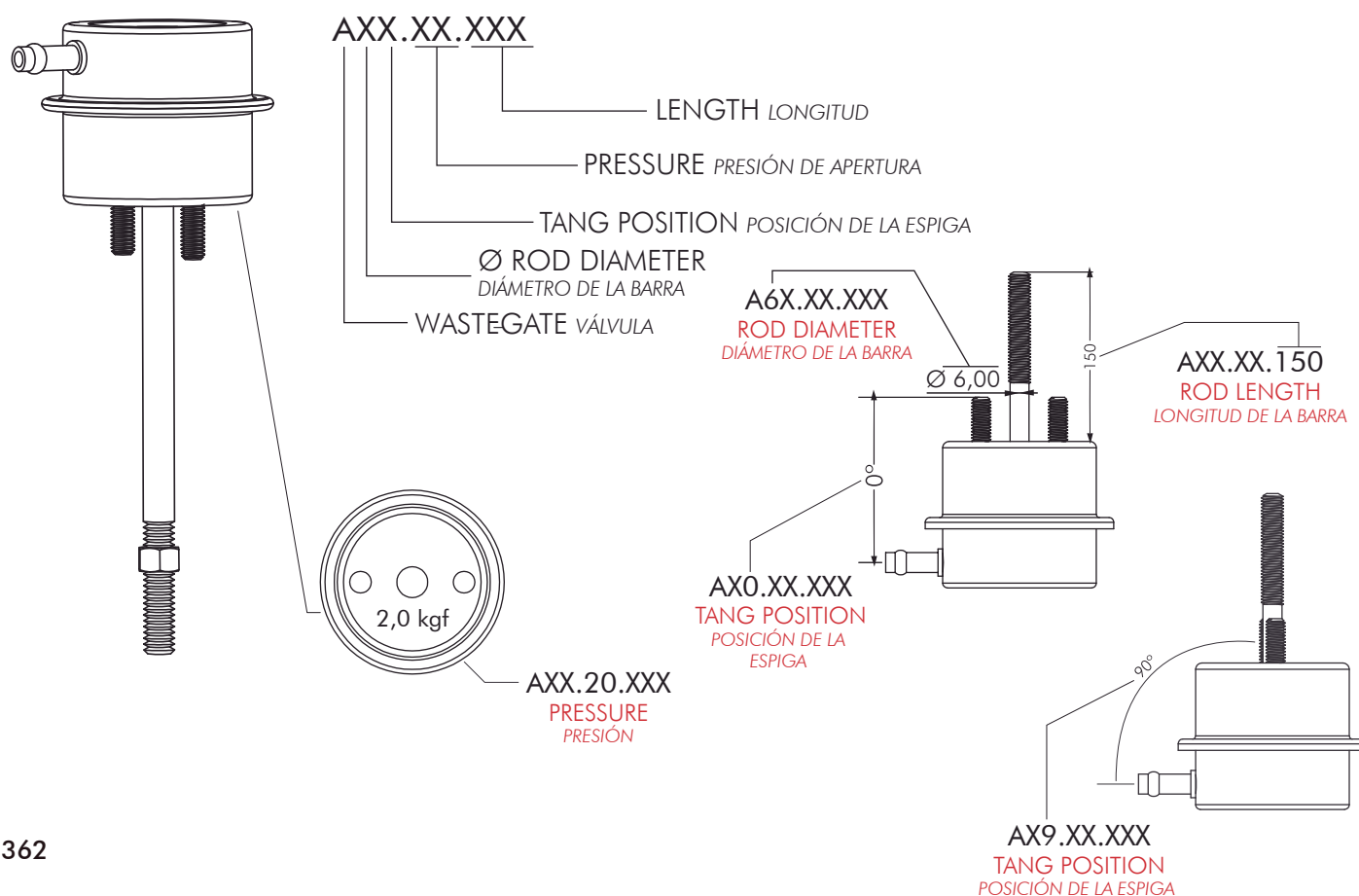
## WASTEGATE WITH CENTRAL TANG

VÁLVULA CON ESIPIGA CENTRAL



## WASTEGATE WITH 90° OR 0° CONNECTION

VÁLVULA CON ESIPIGA 90° O 0°



**WASTEGATES WITH HOSE BARB IN 0° AND DIAMETER OF 6MM - OPENING PRESSURE 0,5 KGF**  
**VÁLVULA CON LA CONEXIÓN EN 0° Y DIÁMETRO DE 6MM - PRESIÓN DE APERTURA 0,5 KGF**

| ROBIEL CODE | APLICACION | ROD LENGHT  | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                  |
|-------------|------------|-------------|------------|------------|-----------|-------------------------------------------------------------------------------------|
| A60.05.51   | -          | ø 6 x 51mm  | 64 mm      | 86 mm      | *OPTIONAL |  |
| A60.05.70   | -          | ø 6 x 70mm  | 83 mm      | 105 mm     | *OPTIONAL |  |
| A60.05.85   | -          | ø 6 x 85mm  | 98 mm      | 120 mm     | *OPTIONAL |  |
| A60.05.100  | -          | ø 6 x 100mm | 113 mm     | 135 mm     | *OPTIONAL |  |
| A60.05.128  | -          | ø 6 x 128mm | 141 mm     | 163 mm     | *OPTIONAL |  |
| A60.05.150  | -          | ø 6 x 150mm | 163 mm     | 185 mm     | *OPTIONAL |  |
| A60.05.170  | -          | ø 6 x 170mm | 183 mm     | 205 mm     | *OPTIONAL |  |

\* Optional adjusting ADJ.00.14 or ADJ.00.16.

\*\* Opcional de ajuste ADJ.00.14 o ADJ.00.16.



A60.05.70

**WASTEGATES WITH HOSE BARB IN 0° AND DIAMETER OF 6MM - OPENING PRESSURE 1,0 KGF**  
**VÁLVULA CON LA CONEXIÓN EN 0° Y DIÁMETRO DE 6MM - PRESIÓN DE APERTURA 1,0 KGF**

| ROBIEL CODE | APLICACION  | ROD LENGHT  | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                    |
|-------------|-------------|-------------|------------|------------|-----------|---------------------------------------------------------------------------------------|
| A60.10.39   | Caterpillar | ø 6 x 39mm  | 52 mm      | 74 mm      | *OPTIONAL |    |
| A60.10.51   | -           | ø 6 x 51mm  | 64 mm      | 86 mm      | *OPTIONAL |    |
| A60.10.70   | -           | ø 6 x 70mm  | 83 mm      | 105 mm     | *OPTIONAL |    |
| A60.10.85   | -           | ø 6 x 85mm  | 98 mm      | 120 mm     | *OPTIONAL |   |
| A60.10.100  | -           | ø 6 x 100mm | 113 mm     | 135 mm     | *OPTIONAL |  |
| A60.10.128  | -           | ø 6 x 128mm | 141 mm     | 163 mm     | *OPTIONAL |  |
| A60.10.150  | -           | ø 6 x 150mm | 163 mm     | 185 mm     | *OPTIONAL |  |
| A60.10.170  | -           | ø 6 x 170mm | 183 mm     | 205 mm     | *OPTIONAL |  |

\* Optional adjusting ADJ.00.14 or ADJ.00.16.

\*\* Opcional de ajuste ADJ.00.14 o ADJ.00.16.



A60.10.100

**WASTEGATES WITH HOSE BARB IN 0° AND DIAMETER OF 6MM - OPENING PRESSURE 1,5 KGF**  
**VÁLVULA CON LA CONEXIÓN EN 0° Y DIÁMETRO DE 6MM - PRESIÓN DE APERTURA 1,5 KGF**

| ROBIEL CODE | APLICACION            | ROD LENGHT  | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                    |
|-------------|-----------------------|-------------|------------|------------|-----------|---------------------------------------------------------------------------------------|
| A60.15.51   | -                     | ø 6 x 51mm  | 64 mm      | 86 mm      | *OPTIONAL |  |
| A60.15.70   | -                     | ø 6 x 70mm  | 83 mm      | 105 mm     | *OPTIONAL |  |
| A60.15.85   | -                     | ø 6 x 85mm  | 98 mm      | 120 mm     | *OPTIONAL |  |
| A60.15.100  | VW Titan   Cargo 4331 | ø 6 x 100mm | 113 mm     | 135 mm     | *OPTIONAL |  |
| A60.15.128  | -                     | ø 6 x 128mm | 141 mm     | 163 mm     | *OPTIONAL |  |
| A60.15.150  | -                     | ø 6 x 150mm | 163 mm     | 185 mm     | *OPTIONAL |  |
| A60.15.170  | Volvo VM 260 310      | ø 6 x 170mm | 183 mm     | 205 mm     | *OPTIONAL |  |

\* Optional adjusting ADJ.00.14 or ADJ.00.16.

\*\* Opcional de ajuste ADJ.00.14 o ADJ.00.16.



A60.15.70

**WASTEGATES WITH HOSE BARB IN 0° AND DIAMETER OF 6MM - OPENING PRESSURE 1,5 KGF**  
**VÁLVULA CON LA CONEXIÓN EN 0° Y DIÁMETRO DE 6MM - PRESIÓN DE APERTURA 1,5 KGF**

| ROBIEL CODE | APLICACION  | ROD LENGHT  | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                    |
|-------------|-------------|-------------|------------|------------|-----------|---------------------------------------------------------------------------------------|
| A60.15.115  | Iveco Daily | ø 6 x 115mm | 128 mm     | 150 mm     | *OPTIONAL |  |

\* Optional adjusting ADJ.00.14 or ADJ.00.16.

\*\* Opcional de ajuste ADJ.00.14 o ADJ.00.16.



**WASTEGATES WITH HOSE BARB IN 0° AND DIAMETER OF 8MM - OPENING PRESSURE 0,5 KGF**  
**VÁLVULA CON LA CONEXIÓN EN 0° Y DIÁMETRO DE 8MM - PRESIÓN DE APERTURA 0,5 KGF**

| ROBIEL CODE | APLICACION | ROD LENGHT  | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                  |
|-------------|------------|-------------|------------|------------|-----------|-------------------------------------------------------------------------------------|
| A80.05.51   | -          | ø 8 x 51mm  | 74 mm      | 94 mm      | Incluso   |  |
| A80.05.70   | -          | ø 8 x 70mm  | 93 mm      | 113 mm     | Incluso   |  |
| A80.05.85   | -          | ø 8 x 85mm  | 108 mm     | 128 mm     | Incluso   |  |
| A80.05.100  | -          | ø 8 x 100mm | 123 mm     | 143 mm     | Incluso   |  |
| A80.05.128  | -          | ø 8 x 128mm | 151 mm     | 171 mm     | Incluso   |  |
| A80.05.150  | -          | ø 8 x 150mm | 173 mm     | 193 mm     | Incluso   |  |
| A80.05.170  | -          | ø 8 x 170mm | 193 mm     | 213 mm     | Incluso   |  |



A80.05.128

**WASTEGATES WITH HOSE BARB IN 0° AND DIAMETER OF 8MM - OPENING PRESSURE 1,0 KGF**  
**VÁLVULA CON LA CONEXIÓN EN 0° Y DIÁMETRO DE 8MM - PRESIÓN DE APERTURA 1,0 KGF**

| ROBIEL CODE | APLICACION | ROD LENGHT  | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                    |
|-------------|------------|-------------|------------|------------|-----------|---------------------------------------------------------------------------------------|
| A80.10.51   | -          | ø 8 x 51mm  | 74 mm      | 94 mm      | Incluso   |    |
| A80.10.70   | -          | ø 8 x 70mm  | 93 mm      | 113 mm     | Incluso   |    |
| A80.10.85   | -          | ø 8 x 85mm  | 108 mm     | 128 mm     | Incluso   |    |
| A80.10.100  | -          | ø 8 x 100mm | 123 mm     | 143 mm     | Incluso   |   |
| A80.10.128  | -          | ø 8 x 128mm | 151 mm     | 171 mm     | Incluso   |  |
| A80.10.150  | -          | ø 8 x 150mm | 173 mm     | 193 mm     | Incluso   |  |
| A80.10.170  | -          | ø 8 x 170mm | 193 mm     | 213 mm     | Incluso   |  |



A80.10.170

**WASTEGATES WITH HOSE BARB IN 0° AND DIAMETER OF 8MM - OPENING PRESSURE 1,5 KGF**  
**VÁLVULA CON LA CONEXIÓN EN 0° Y DIÁMETRO DE 8MM - PRESIÓN DE APERTURA 1,5 KGF**

| ROBIEL CODE | APLICACION                         | ROD LENGHT   | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                    |
|-------------|------------------------------------|--------------|------------|------------|-----------|---------------------------------------------------------------------------------------|
| A80.15.51   | -                                  | ø 8 x 51mm   | 74 mm      | 94 mm      | Incluso   |  |
| A80.15.70   | -                                  | ø 8 x 70mm   | 93 mm      | 113 mm     | Incluso   |  |
| A80.15.85   | -                                  | ø 8 x 85mm   | 108 mm     | 128 mm     | Incluso   |  |
| A80.15.100  | -                                  | ø 8 x 100mm  | 123 mm     | 143 mm     | Incluso   |  |
| A80.15.120  | HX30W   Ford 815                   | ø 8 x 120mm  | 143 mm     | 163 mm     | Incluso   |  |
| A80.15.128  | HX30W                              | ø 8 x 128 mm | 151 mm     | 171 mm     | Incluso   |  |
| A80.15.135  | HX35W                              | ø 8 x 135mm  | 158 mm     | 178 mm     | Incluso   |  |
| A80.15.150  | HX40W Case2388<br>HX35W   VN 17210 | ø 8 x 150mm  | 173 mm     | 193 mm     | Incluso   |  |
| A80.15.170  | -                                  | ø 8 x 170mm  | 193 mm     | 213 mm     | Incluso   |  |



A80.15.120

**WASTEGATES WITH HOSE BARB IN 90° AND DIAMETER OF 6MM - OPENING PRESSURE 0,5 KGF**  
**VÁLVULA CON LA CONEXIÓN EN 90° Y DIÁMETRO DE 6MM - PRESIÓN DE APERTURA 0,5 KGF**

| ROBIEL CODE | APLICACION | ROD LENGHT  | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                  |
|-------------|------------|-------------|------------|------------|-----------|-------------------------------------------------------------------------------------|
| A69.05.51   | -          | ø 6 x 51mm  | 64 mm      | 86 mm      | *OPTIONAL |  |
| A69.05.70   | -          | ø 6 x 70mm  | 83 mm      | 105 mm     | *OPTIONAL |  |
| A69.05.85   | -          | ø 6 x 85mm  | 98 mm      | 120 mm     | *OPTIONAL |  |
| A69.05.100  | -          | ø 6 x 100mm | 113 mm     | 135 mm     | *OPTIONAL |  |
| A69.05.128  | -          | ø 6 x 128mm | 141 mm     | 163 mm     | *OPTIONAL |  |
| A69.05.150  | -          | ø 6 x 150mm | 163 mm     | 185 mm     | *OPTIONAL |  |
| A69.05.170  | -          | ø 6 x 170mm | 183 mm     | 205 mm     | *OPTIONAL |  |

\* Adjusting Optional - ADJ.00.14 or ADJ.00.16.    \*\*Opcional de ajuste ADJ.00.14 o ADJ.00.16.



A69.05.100

**WASTEGATES WITH HOSE BARB IN 90° AND DIAMETER OF 6MM - OPENING PRESSURE 1,0 KGF**  
**VÁLVULA CON LA CONEXIÓN EN 90° Y DIÁMETRO DE 6MM - PRESIÓN DE APERTURA 1,0 KGF**

| ROBIEL CODE | APLICACION  | ROD LENGHT  | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                    |
|-------------|-------------|-------------|------------|------------|-----------|---------------------------------------------------------------------------------------|
| A69.10.39   | Caterpillar | ø 6 x 39mm  | 52 mm      | 74 mm      | *OPTIONAL |    |
| A69.10.51   | -           | ø 6 x 51mm  | 64 mm      | 86 mm      | *OPTIONAL |    |
| A69.10.70   | -           | ø 6 x 70mm  | 83 mm      | 105 mm     | *OPTIONAL |    |
| A69.10.85   | -           | ø 6 x 85mm  | 98 mm      | 120 mm     | *OPTIONAL |    |
| A69.10.100  | -           | ø 6 x 100mm | 113 mm     | 135 mm     | *OPTIONAL |   |
| A69.10.128  | -           | ø 6 x 128mm | 141 mm     | 163 mm     | *OPTIONAL |  |
| A69.10.150  | -           | ø 6 x 150mm | 163 mm     | 185 mm     | *OPTIONAL |  |
| A69.10.170  | -           | ø 6 x 170mm | 183 mm     | 205 mm     | *OPTIONAL |  |

\* Adjusting Optional - ADJ.00.14 or ADJ.00.16.    \*\*Opcional de ajuste ADJ.00.14 o ADJ.00.16.



A69.10.70

**WASTEGATES WITH HOSE BARB IN 90° AND DIAMETER OF 6MM - OPENING PRESSURE 1,5 KGF**  
**VÁLVULA CON LA CONEXIÓN EN 90° Y DIÁMETRO DE 6MM - PRESIÓN DE APERTURA 1,5 KGF**

| ROBIEL CODE | APLICACION                                                      | ROD LENGHT  | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                    |
|-------------|-----------------------------------------------------------------|-------------|------------|------------|-----------|---------------------------------------------------------------------------------------|
| A69.15.51   | -                                                               | ø 6 x 51mm  | 64 mm      | 86 mm      | *OPTIONAL |  |
| A69.15.70   | -                                                               | ø 6 x 70mm  | 83 mm      | 105 mm     | *OPTIONAL |  |
| A69.15.85   | -                                                               | ø 6 x 85mm  | 98 mm      | 120 mm     | *OPTIONAL |  |
| A69.15.100  | -                                                               | ø 6 x 100mm | 113 mm     | 135 mm     | *OPTIONAL |  |
| A69.15.128  | -                                                               | ø 6 x 128mm | 141 mm     | 163 mm     | *OPTIONAL |  |
| A69.15.150  | Vw Constellation Eletrônico<br>Séries: 17.250   19.320   24.250 | ø 6 x 150mm | 163 mm     | 185 mm     | *OPTIONAL |  |
| A69.15.170  | TA31 VW8150                                                     | ø 6 x 170mm | 183 mm     | 205 mm     | *OPTIONAL |  |

\* Adjusting Optional - ADJ.00.14 or ADJ.00.16.    \*\*Opcional de ajuste ADJ.00.14 o ADJ.00.16.



A69.15.100

**WASTEGATES WITH HOSE BARB IN 90° AND DIAMETER OF 8MM - OPENING PRESSURE 0,5 KGf**  
**VÁLVULA CON LA CONEXIÓN EN 90° Y DIÁMETRO DE 8MM - PRESIÓN DE APERTURA 0,5 KGf**

| ROBIEL CODE | APLICACION | ROD LENGHT  | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                  |
|-------------|------------|-------------|------------|------------|-----------|-------------------------------------------------------------------------------------|
| A89.05.51   | -          | ø 8 x 51mm  | 74 mm      | 94 mm      | Incluso   |  |
| A89.05.70   | -          | ø 8 x 70mm  | 93 mm      | 113 mm     | Incluso   |  |
| A89.05.85   | -          | ø 8 x 85mm  | 108 mm     | 128 mm     | Incluso   |  |
| A89.05.100  | -          | ø 8 x 100mm | 123 mm     | 143 mm     | Incluso   |  |
| A89.05.128  | -          | ø 8 x 128mm | 151 mm     | 171 mm     | Incluso   |  |
| A89.05.150  | -          | ø 8 x 150mm | 173 mm     | 193 mm     | Incluso   |  |
| A89.05.170  | -          | ø 8 x 170mm | 193 mm     | 213 mm     | Incluso   |  |



A89.05.51

**WASTEGATES WITH HOSE BARB IN 90° AND DIAMETER OF 8MM - OPENING PRESSURE 1,0 KGf**  
**VÁLVULA CON LA CONEXIÓN EN 90° Y DIÁMETRO DE 8MM - PRESIÓN DE APERTURA 1,0 KGf**

| ROBIEL CODE | APLICACION | ROD LENGHT  | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                    |
|-------------|------------|-------------|------------|------------|-----------|---------------------------------------------------------------------------------------|
| A89.10.51   | -          | ø 8 x 51mm  | 74 mm      | 94 mm      | Incluso   |    |
| A89.10.70   | -          | ø 8 x 70mm  | 93 mm      | 113 mm     | Incluso   |    |
| A89.10.85   | -          | ø 8 x 85mm  | 108 mm     | 128 mm     | Incluso   |    |
| A89.10.100  | -          | ø 8 x 100mm | 123 mm     | 143 mm     | Incluso   |    |
| A89.10.128  | -          | ø 8 x 128mm | 151 mm     | 171 mm     | Incluso   |  |
| A89.10.150  | -          | ø 8 x 150mm | 173 mm     | 193 mm     | Incluso   |  |
| A89.10.170  | -          | ø 8 x 170mm | 193 mm     | 213 mm     | Incluso   |  |



A89.10.128

**WASTEGATES WITH HOSE BARB IN 90° AND DIAMETER OF 8MM - OPENING PRESSURE 1,5 KGf**  
**VÁLVULA CON LA CONEXIÓN EN 90° Y DIÁMETRO DE 8MM - PRESIÓN DE APERTURA 1,5 KGf**

| ROBIEL CODE | APLICACION                            | ROD LENGHT   | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                    |
|-------------|---------------------------------------|--------------|------------|------------|-----------|---------------------------------------------------------------------------------------|
| A89.15.51   | -                                     | ø 8 x 51mm   | 74 mm      | 94 mm      | Incluso   |  |
| A89.15.70   | -                                     | ø 8 x 70mm   | 93 mm      | 113 mm     | Incluso   |  |
| A89.15.85   | -                                     | ø 8 x 85mm   | 108 mm     | 128 mm     | Incluso   |  |
| A89.15.100  | -                                     | ø 8 x 100mm  | 123 mm     | 143 mm     | Incluso   |  |
| A89.15.120  | HX30W   HX35W<br>F400   Constellation | ø 8 x 120mm  | 143 mm     | 163 mm     | Incluso   |  |
| A89.15.128  | HX40   VW Titan 18.310                | ø 8 x 128 mm | 151 mm     | 171 mm     | Incluso   |  |
| A89.15.135  | HX35W VW 18.310   18.220              | ø 8 x 135mm  | 158 mm     | 178 mm     | Incluso   |  |
| A89.15.150  | HX40W VW                              | ø 8 x 150mm  | 173 mm     | 193 mm     | Incluso   |  |
| A89.15.170  | HX40W<br>VW Constellation Eletrônico  | ø 8 x 170mm  | 193 mm     | 213 mm     | Incluso   |  |



A89.15.135

**WASTEGATES WITH HOSE BARB IN 45° AND DIAMETER OF 8MM - OPENING PRESSURE 1,5 KGf**  
**VÁLVULA CON LA CONEXIÓN EN 45° Y DIÁMETRO DE 8MM - PRESIÓN DE APERTURA 1,5 KGf**

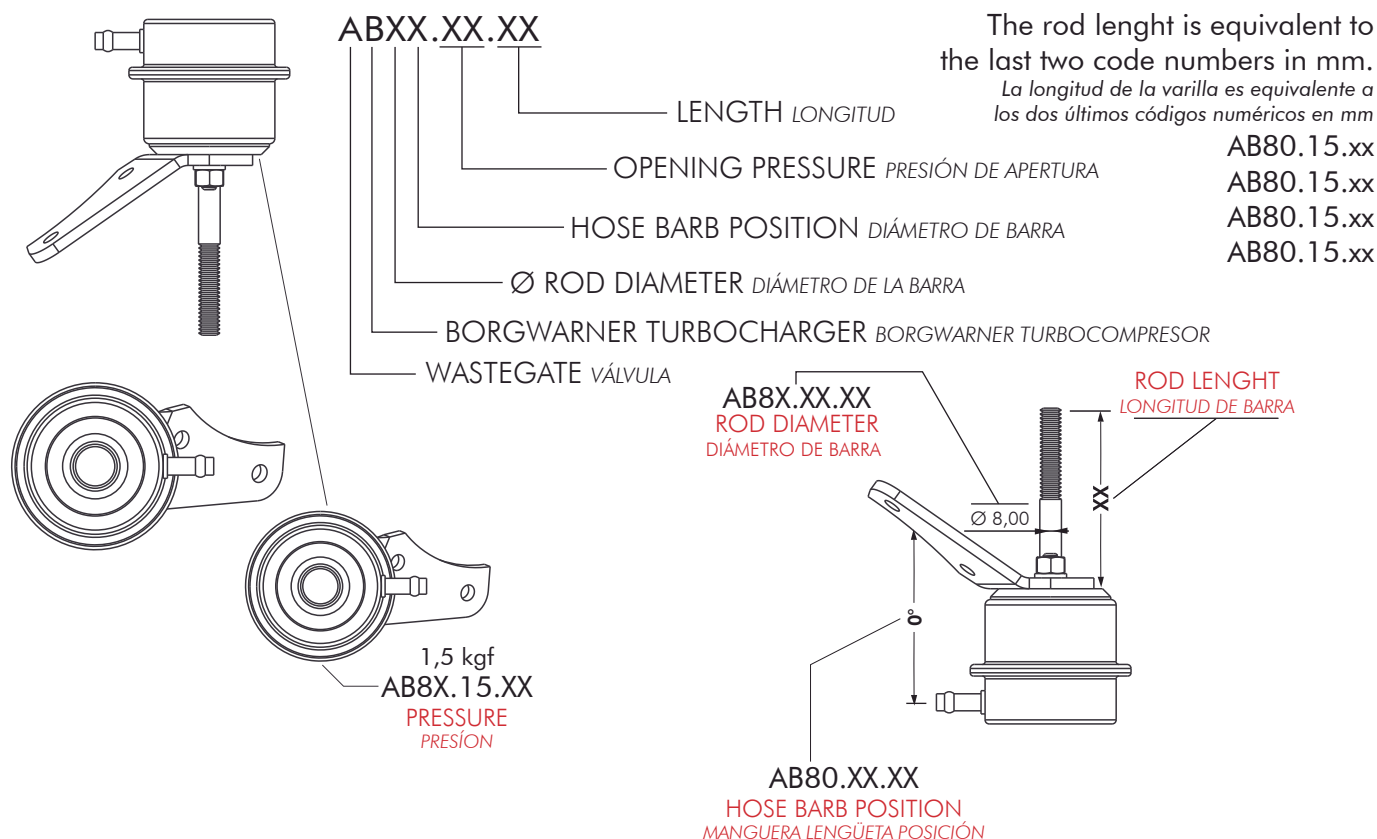
| ROBIEL CODE | APLICACION | ROD LENGHT | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                    |
|-------------|------------|------------|------------|------------|-----------|---------------------------------------------------------------------------------------|
| A84.15.25   | John Deere | ø 8 x 25mm | 48 mm      | 68 mm      | Incluso   |  |





## BORGWARNER TURBOCHARGER WASTEGATES

### VÁLVULA TURBOCOMPRESOR BORGWARNER



## BORGWARNER TURBOCHARGER WASTEGATES

### VÁLVULA TURBOCOMPRESOR BORGWARNER

| ROBIEL CODE | APLICACION    | ROD LENGHT                         | MIN COURSE | MAX COURSE | ADJUSTING | QR |
|-------------|---------------|------------------------------------|------------|------------|-----------|----|
| AB80.15.66  | K16 OM 905 LA | $\varnothing 8 \times 66\text{mm}$ | 89 mm      | 109 mm     | Included  |    |
| AB80.15.96  | K24           | $\varnothing 8 \times 96\text{mm}$ | 119 mm     | 139 mm     | Included  |    |
| AB80.15.97  | K27           | $\varnothing 8 \times 97\text{mm}$ | 120 mm     | 140 mm     | Included  |    |

\* Adjusting Optional - ADJ.00.11.

\*\* Ajuste opcional - ADJ.00.11.



Cumplir las especificaciones de turbocompresor BorgWarner, Robiel desarrollado wastegates con menor distancia entre los tornillos que el resto de nuestra línea de productos.

#### BORGWARNER wastegate model

Modelo de válvula de derivación de BorgWarner



#### Wastegates other models

Otros modelos de válvula



**WASTEGATES WITH CENTRAL HOSE BARB**

VÁLVULA CON ESPIGA CENTRAL

| ROBIEL CODE | APLICACION                            | PRESSURE | ROD LENGHT  | POSITION | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                  |
|-------------|---------------------------------------|----------|-------------|----------|------------|------------|-----------|-------------------------------------------------------------------------------------|
| A6C.15.39   | Turbina Garret<br>**MODELO 4520855008 | 1,5 KGF  | ø 6 x 39mm  | Central  | 52 mm      | 74 mm      | *OPTIONAL |  |
| A8C.15.85   | -                                     | 1,5 KGF  | ø 8 x 85mm  | Central  | 108 mm     | 128 mm     | *OPTIONAL |  |
| A6C.10.100  | -                                     | 1,0 KGF  | ø 6 x 100mm | Central  | 113 mm     | 135 mm     | *OPTIONAL |  |

\* Adjusting Optional - ADJ.00.14 or ADJ.00.16.

\* Opcional de ajuste ADJ.00.14 o ADJ.00.16.

\*\*Vehicle: MBB Model L1418R -Motor 366 LA.

\*\* Vehículo: MBB Modelo L1418R -Motor 366 LA.



A6C.15.39

**WASTEGATES FOR TURBOCHARGERS HR HYUNDAI | KIA BONGO**

VÁLVULA PARA TURBOCOMPRESOR HR HYUNDAI | KIA BONGO

| ROBIEL CODE | APLICACION             | PRESSURE | ROD LENGHT  | POSITION | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                  |
|-------------|------------------------|----------|-------------|----------|------------|------------|-----------|-------------------------------------------------------------------------------------|
| AHR.15.118  | HR Hyundai   Kia Bongo | 1,5 KGF  | ø 6 x 118mm | 45°      | -          | -          | *OPTIONAL |  |

\* Adjusting Optional - ADJ.00.14 or ADJ.00.16.

\* Opcional de ajuste ADJ.00.14 o ADJ.00.16.


**WASTEGATE MAN BI-TURBO**

VÁLVULA MAN BI-TURBO

| ROBIEL CODE | APLICACION   | PRESSURE | ROD LENGHT | POSITION | MIN COURSE | MAX COURSE | ADJUSTING | QR                                                                                    |
|-------------|--------------|----------|------------|----------|------------|------------|-----------|---------------------------------------------------------------------------------------|
| A8C.20.70   | Man Bi-Turbo | 2,0 KGF  | ø 8 x 66mm | Central  | 93 mm      | 113 mm     | Incluso   |  |





**WASTEGATES - CATERPILLAR**  
 VÁLVULA CATERPILLAR

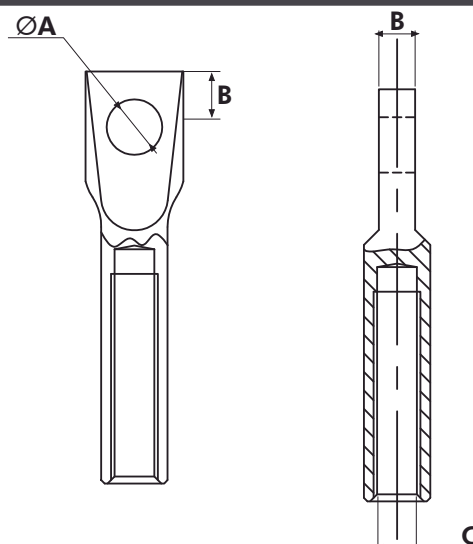
| ROBIEL CODE | APLICACION                                               | PRESSURE | ROD LENGHT  | POSITION | MIN COURSE | MAX COURSE | ADJUSTING | QR |
|-------------|----------------------------------------------------------|----------|-------------|----------|------------|------------|-----------|----|
| AC80.10.47  | Turbochargers Garret                                     | 1,0 KGF  | ø 8 x 47mm  | 0°       | 70 mm      | 90 mm      | Incluso   |    |
| AC80.10.100 | Turbochargers Garret                                     | 1,0 KGF  | ø 8 x 100mm | 0°       | 123 mm     | 143 mm     | Incluso   |    |
| *AC86.20.70 | Caterpillar 938H                                         | 2,0 KGF  | ø 8 x 70mm  | 65°      | 93 mm      | 113 mm     | Incluso   |    |
| AC89.05.51  | -                                                        | 0,5 KGF  | ø 8 x 51mm  | 90°      | 74 mm      | 94 mm      | Incluso   |    |
| AC89.05.70  | -                                                        | 0,5 KGF  | ø 8 x 70mm  | 90°      | 93 mm      | 113 mm     | Incluso   |    |
| AC89.10.100 | Turbochargers Garret                                     | 1,0 KGF  | ø 8 x 100mm | 90°      | 123 mm     | 143 mm     | Incluso   |    |
| AC89.20.25  | Caterpillar 789C                                         | 2,0 KGF  | ø 8 x 25mm  | 90°      | 48 mm      | 68 mm      | Incluso   |    |
| AC89.20.51  | -                                                        | 2,0 KGF  | ø 8 x 51mm  | 90°      | 74 mm      | 94 mm      | Incluso   |    |
| AC89.20.70  | -                                                        | 2,0 KGF  | ø 8 x 70mm  | 90°      | 93 mm      | 113 mm     | Incluso   |    |
| AC89.20.200 | Caterpillar   Iveco<br>Turbochargers Holset Turbo: HX55W | 2,0 KGF  | ø 8 x 200mm | 90°      | 223 mm     | 243 mm     | Incluso   |    |

\* Motor: 3126 - Turbocharger: S200G068 | S200G027

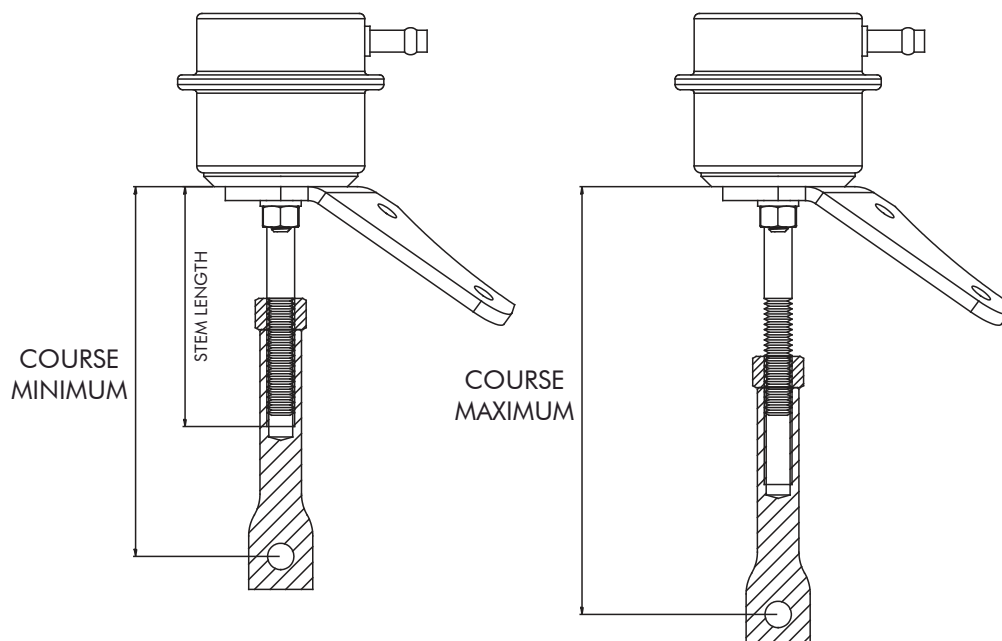
\* Motor: 3126 - Turbocompresor: S200G068 | S200G027

**ADJUSTING**

| ROBIEL CODE | A - HOLE | B - THICKNESS | C - THREAD    | QR |
|-------------|----------|---------------|---------------|----|
| ADJ.00.11   | Ø 7,5    | 5,00          | 5/16 x 24 UNF |    |
| ADJ.00.14   | Ø 6,35   | 2,80          | M6 x 1,0      |    |
| ADJ.00.16   | Ø 7,94   | 5,20          | M6 x 1,0      |    |



• For Actuators starting with A6, the choice of Adjusting is optional, varying with the need for each APPLICATION.



**CLAMPS**  
**ABRAZADERAS**
**INTERCOOLER CLAMPS**  
**ABRAZADERAS DE INTERCOOLER**

| ROBIEL CODE | APLICATION | MIN. DIAM  | MAX. DIAM  | QR                                                                                |
|-------------|------------|------------|------------|-----------------------------------------------------------------------------------|
| 101.52.60   | -          | ø 52,00mm  | ø 60,00mm  |  |
| 101.61.69   | -          | ø 61,00mm  | ø 69,00mm  |  |
| 101.70.78   | -          | ø 70,00mm  | ø 78,00mm  |  |
| 101.79.88   | -          | ø 79,00mm  | ø 88,00mm  |  |
| 101.89.98   | -          | ø 89,00mm  | ø 98,00mm  |  |
| 101.99.108  | -          | ø 99,00mm  | ø 108,00mm |  |
| 101.10.9118 | -          | ø 109,00mm | ø 118,00mm |  |
| 101.11.9128 | -          | ø 119,00mm | ø 128,00mm |  |



101.89.98

\* 5 unit packs.

**WASTEGATE HOSE CLAMP**  
**ABRAZADERA DE LA MANGUERA WATEGATE**

| ROBIEL CODE | APLICATION | MIN. DIAM | MAX. DIAM | QR                                                                                |
|-------------|------------|-----------|-----------|-----------------------------------------------------------------------------------|
| 100.02.12   | -          | ø 9,80mm  | ø 12,30mm |  |



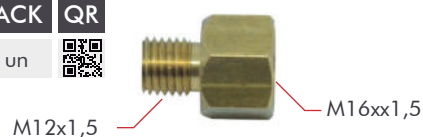
\* 5 unit packs.

**SPRINTER TURBOCHARGER OIL RETURN ADAPTER**  
**ADAPTADOR DE RETORNO DE SPRINTER TURBO ACEITE**

| ROBIEL CODE | REFERENCE | PACK  | QR                                                                                  |
|-------------|-----------|-------|-------------------------------------------------------------------------------------|
| 166.01.06   | -         | 02 un |  |


**CUMMINS TURBOCHARGER OIL INLET ADAPTER**  
**ADAPTADOR DE ENTRADA DE ACEITE DE TURBOCOMPRESOR DE CUMMINS**

| ROBIEL CODE | REFERENCE | THREAD 1  | THREAD 2  | COMPRIMENTO | PACK  | QR                                                                                    |
|-------------|-----------|-----------|-----------|-------------|-------|---------------------------------------------------------------------------------------|
| 166.01.10   | -         | M12x1,5mm | M16x1,5mm | 26,50mm     | 05 un |  |



**ALL THREADS**  
**TODAS LAS ROSCAS**
**DIVERSE ALL THREADS**  
**DIVERSOS TODOS LOS SUBPROCESOS**

| ROBIEL CODE | REFERENCE | THREAD 1 | THREAD 2 | LENGHT | PACK  | QR                                                                                    |
|-------------|-----------|----------|----------|--------|-------|---------------------------------------------------------------------------------------|
| 320.01.04   | -         | M8       | M8       | 45mm   | 25 un |    |
| 320.01.05   | -         | M8       | M8       | 50mm   | 25 un |    |
| 320.01.06   | -         | M8       | M8       | 55mm   | 25 un |    |
| 320.01.07   | -         | M10      | M10      | 42mm   | 25 un |    |
| 320.01.08   | -         | M10      | M10      | 45mm   | 25 un |    |
| 320.01.09   | -         | M10      | M10      | 60mm   | 10 un |    |
| 320.01.10   | -         | M10      | M10      | 50mm   | 25 un |    |
| 320.01.11   | -         | M10      | M10      | 55mm   | 25 un |    |
| 320.01.17   | -         | M8       | M10      | 45mm   | 20 un |    |
| 320.01.18   |           | 5/16"x18 | 5/16"x18 | 45mm   | 25 un |    |
| 320.01.20   | -         | M8       | M8       | 40mm   | 25 un |    |
| 320.01.021  | -         | M10      | M10      | 35mm   | 25 un |    |
| 320.01.022  | -         | 3/8"x16  | 3/8"x16  | 45mm   | 25 un |   |
| 320.01.023  | -         | 5/16"x24 | 5/16"x24 | 45mm   | 25 un |  |
| 320.01.27   | -         | M10      | M8       | 45mm   | 20 un |  |



320.01.05

**ALL THREAD M10X50 - BOUNCE IN CENTER**  
**TODOS ROSCAN M10X50 - DESPEDIDA EN EL CENTRO**

| ROBIEL CODE | REFERENCE | THREAD 1 | THREAD 2 | LENGHT | PACK  | QR                                                                                    |
|-------------|-----------|----------|----------|--------|-------|---------------------------------------------------------------------------------------|
| 320.01.21   | -         | M10      | M10      | 50mm   | 10 un |  |


**NUTS**  
**CEMENTADO**
**HEXAGONAL NUTS**  
**TUERCAS HEXAGONALES**

| ROBIEL CODE | REFERENCE | THREAD 1  | HEITGH  | HEXAGONAL | PACK  | QR                                                                                    |
|-------------|-----------|-----------|---------|-----------|-------|---------------------------------------------------------------------------------------|
| 315.01.06   | -         | M8x1,25mm | 10,00mm | 13,00mm   | 50 un |  |
| 315.01.07   | -         | M10x1,5mm | 10,00mm | 14,00mm   | 50 un |  |
| 315.01.15   | -         | M10x1,5mm | 8,00mm  | 15,00mm   | 50 un |  |


**AUTO LOCKING NUTS**  
**TUERCAS DE BLOQUEO AUTOMÁTICO**

| ROBIEL CODE | REFERENCE     | THREAD 1  | HEXAGONAL | PACK  | QR                                                                                  |
|-------------|---------------|-----------|-----------|-------|-------------------------------------------------------------------------------------|
| 315.02.10   | 000 990 28 50 | M10x1,5mm | 14,00mm   | 10 un |  |
| 315.02.11   | -             | M8x1,25mm | 14,00mm   | 10 un |  |



## RETENTION PLATES

### PLACAS DE RETENCIÓN

## TURBOCHARGER RETENTION PLATES

### PLACAS DE RETENCIÓN DEL TURBOCOMPRESOR

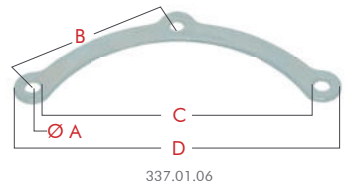
| ROBIEL CODE | REFERENCE | MEASURE A | MEASURE B | MEASURE C | MEASURE D | QR                                                                                  |
|-------------|-----------|-----------|-----------|-----------|-----------|-------------------------------------------------------------------------------------|
| 337.01.01   | A 6908 03 | Ø8,50mm   | 37,50mm   | 20,70mm   | 64,00mm   |  |
| 337.01.01A  | CEMENTED  | Ø8,50mm   | 37,50mm   | 20,70mm   | 64,00mm   |  |



## COMPRESSOR COVER PLATE

### PLACA DE LA CUBIERTA DEL COMPRESOR

| ROBIEL CODE | REFERENCE         | MEASURE A | MEASURE B | MEASURE C | MEASURE D | QR                                                                                  |
|-------------|-------------------|-----------|-----------|-----------|-----------|-------------------------------------------------------------------------------------|
| 337.01.06   | MBB GARRET T04665 | Ø8,50mm   | 83,00mm   | 137,00mm  | 164,00mm  |  |



## GASTEKS

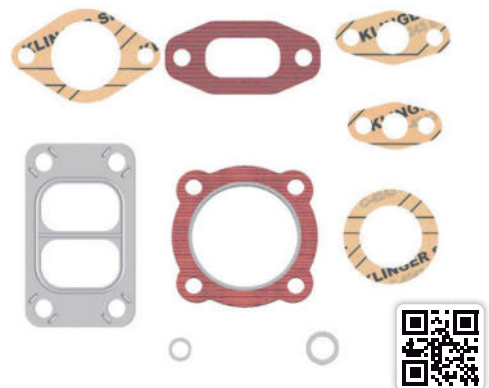
### JUNTAS

**411.00.01**

## SEALING GASKETS FOR MWM 4 CILINDER APL TURBOCHARGER

### SELLADO DE JUNTAS PARA MWM 4 CILINDROS TURBO DE APL

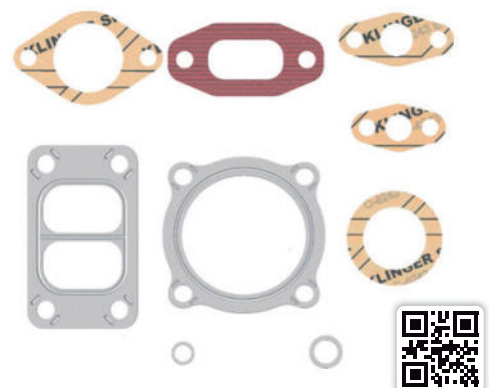
| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.01.24   | -         | --     | 01 pç. |
| 450.11.01   | -         | --     | 01 pç. |
| 450.08.01   | -         | --     | 04 pç. |
| 450.10.13   | -         | --     | 01 pç. |
| 510.14.15   | -         | --     | 04 pç. |
| 450.08.11   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.08.13   | -         | --     | 01 pç. |
| 514.20.15   | -         | --     | 02 pç. |


**411.00.02**

## SEALING GASKETS FOR MWM 4 CILINDER TB4125 TURBOCHARGER

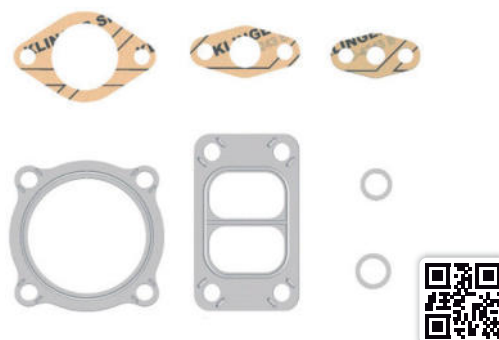
### SELLADO DE JUNTAS PARA MWM 4 CILINDROS TURBO DE TB4125

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.01.24   | -         | --     | 01 pç. |
| 450.11.01   | -         | --     | 01 pç. |
| 450.08.01   | -         | --     | 04 pç. |
| 450.10.03   | -         | --     | 01 pç. |
| 510.14.15   | -         | --     | 04 pç. |
| 450.08.11   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.08.13   | -         | --     | 01 pç. |
| 514.20.15   | -         | --     | 02 pç. |

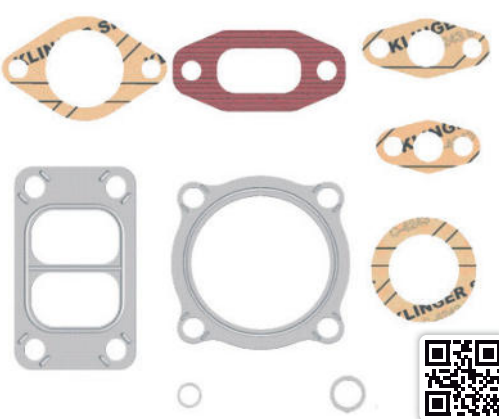


**411.00.03**
**SEALING GASKETS FOR MBB 314 | 352 | 366 TURBOCHARGER**
**SELLADO DE JUNTAS PARA MBB 314 | 352 | 366 TURBO**

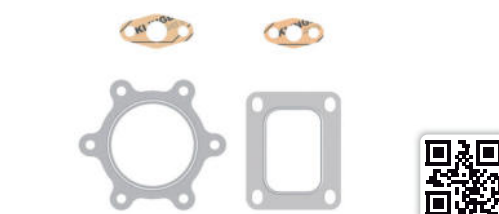
| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.01.24   | -         | --     | 01 pç. |
| 450.08.11   | -         | --     | 01 pç. |
| 450.08.16   | -         | --     | 01 pç. |
| 450.10.03   | -         | --     | 01 pç. |
| 450.11.01   | -         | --     | 01 pç. |
| 514.20.15   | -         | --     | 02 pç. |
| 516.22.15   | -         | --     | 02 pç. |


**411.00.04**
**SEALING GASKETS FOR MWM 6 CILINDER TURBOCHARGER**
**SELLADO DE JUNTAS PARA MWM 6 CILINDROS TURBO**

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.01.24   | -         | --     | 01 pç. |
| 450.11.01   | -         | --     | 01 pç. |
| 450.08.01   | -         | --     | 06 pç. |
| 450.10.03   | -         | --     | 01 pç. |
| 510.14.15   | -         | --     | 04 pç. |
| 450.08.11   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.08.13   | -         | --     | 01 pç. |
| 514.20.15   | -         | --     | 04 pç. |


**411.00.05**
**SEALING GASKETS FOR VOLVO N10 | 340 TURBOCHARGER WITHOUT DIVISION**
**SELLADO DE JUNTAS PARA VOLVO N10 | 340 TURBOCOMPRESOR SIN DIVISIÓN**

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.08.11   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.10.04   | -         | --     | 01 pç. |
| 450.11.02   | -         | --     | 01 pç. |


**411.00.06**
**SEALING GASKETS FOR SCANIA 110/111 MBB 355 TURBOCHARGER**
**SELLADO DE JUNTAS PARA TURBO SCANIA 110/111 MBB 355**

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.03.05   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.10.06   | -         | --     | 01 pç. |
| 450.11.03   | -         | --     | 01 pç. |

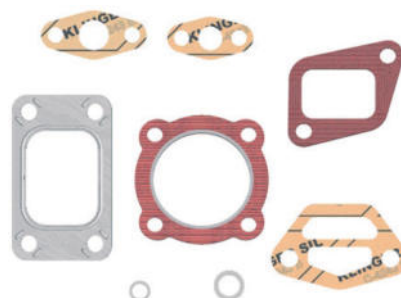

**411.00.061**
**SEALING GASKETS FOR SCANIA 110/1/2 MBB 355 TURBOCHARGER WITHOUT DIVISION**
**SELLADO DE JUNTAS PARA TURBO SCANIA 110/1/2 MBB 355 SIN DIVISIÓN**

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.03.05   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.10.06   | -         | --     | 01 pç. |
| 450.11.031  | -         | --     | 01 pç. |

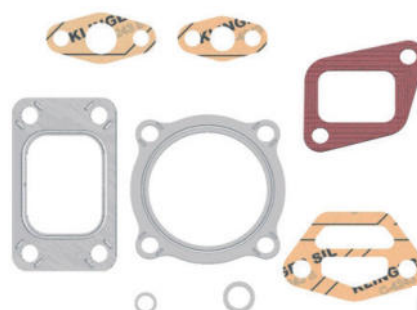


**411.00.07**
**SEALING GASKETS FOR SMALL TURBOCHARGER D10 / D20 STEEL**  
**SELLADO DE JUNTAS PARA EL TURBOCOMPRESOR PEQUEÑO D10/ D20 DE ACERO**

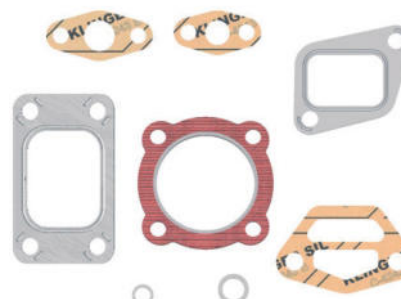
| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.08.11   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.12.06   | -         | --     | 02 pç. |
| 450.11.05   | -         | --     | 01 pç. |
| 450.10.13   | -         | --     | 01 pç. |
| 450.14.01   | -         | --     | 01 pç. |
| 510.14.15   | -         | --     | 02 pç. |
| 514.20.15   | -         | --     | 02 pç. |


**411.00.08**
**SEALING GASKETS FOR BIG TURBOCHARGER D10/ D20**  
**SELLADO DE JUNTAS PARA EL TURBOCOMPRESOR GRANDE D10/ D20.**

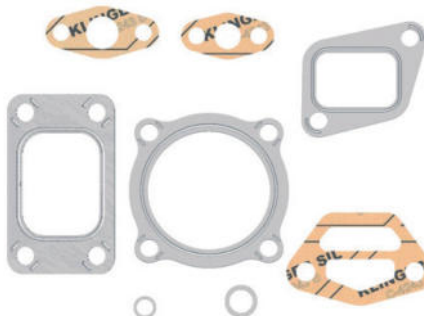
| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.08.11   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.12.06   | -         | --     | 02 pç. |
| 450.11.05   | -         | --     | 01 pç. |
| 450.10.03   | -         | --     | 01 pç. |
| 450.14.01   | -         | --     | 01 pç. |
| 510.14.15   | -         | --     | 02 pç. |
| 514.20.15   | -         | --     | 02 pç. |


**411.00.09**
**SEALING GASKETS FOR SMALL TURBOCHARGER D10 / D20 STEEL**  
**SELLADO DE JUNTAS PARA EL TURBOCOMPRESOR PEQUEÑO D10/ D20 DE ACERO**

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.08.11   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.12.07   | -         | --     | 02 pç. |
| 450.11.05   | -         | --     | 01 pç. |
| 450.10.13   | -         | --     | 01 pç. |
| 450.14.01   | -         | --     | 01 pç. |
| 510.14.15   | -         | --     | 02 pç. |
| 514.20.15   | -         | --     | 02 pç. |


**411.00.10**
**SEALING GASKETS FOR BIG TURBOCHARGER D10/D20 STEEL**  
**SELLADO DE JUNTAS PARA EL TURBOCOMPRESOR GRANDE D10/ D20 DE ACERO**

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.08.11   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.12.07   | -         | --     | 02 pç. |
| 450.11.05   | -         | --     | 01 pç. |
| 450.10.03   | -         | --     | 01 pç. |
| 450.14.01   | -         | --     | 01 pç. |
| 510.14.15   | -         | --     | 02 pç. |
| 514.20.15   | -         | --     | 02 pç. |

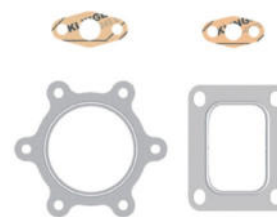




**411.00.11**
**TURBOCHARGER SEALING PACK FOR SCANIA 113 TA 45 GARRET**

SELLADO DE TURBOCOMPRESOR PARA SCANIA 113 TA 45 GARRET

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.08.11   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.10.04   | -         | --     | 01 pç. |
| 450.11.04   | -         | --     | 01 pç. |


**411.00.12**
**TURBOCHARGER SEALING PACK FOR ENGINE BR 400 - (TA-45 GARRET) | VOLVO N12**

SELLADO DE TURBOCOMPRESOR PARA MOTOR 400 BR - (TA-45 GARRET) | VOLVO N12

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.08.11   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.10.11   | -         | --     | 01 pç. |
| 450.11.02   | -         | --     | 01 pç. |


**411.00.15**
**SEALING GASKETS FOR TURBOCHARGER WITHOUT DIVISION**

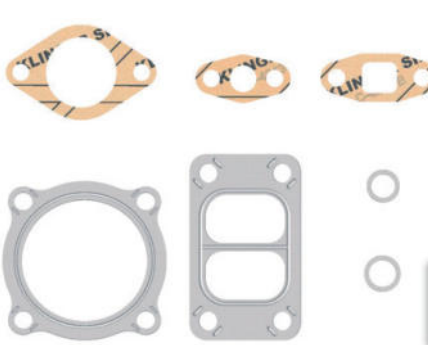
SELLADO DE JUNTAS PARA TURBOCOMPRESOR SIN DIVISIÓN

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.01.24   | -         | --     | 01 pç. |
| 450.08.16   | -         | --     | 01 pç. |
| 450.08.27   | -         | --     | 01 pç. |
| 450.10.03   | -         | --     | 01 pç. |
| 450.11.05   | -         | --     | 01 pç. |
| 514.20.15   | -         | --     | 02 pç. |
| 516.22.15   | -         | --     | 01 pç. |


**411.00.16**
**SEALING GASKETS FOR TURBOCHARGER MBB 314/364**

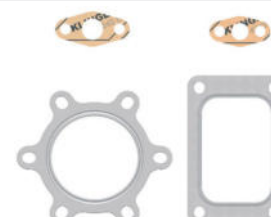
SELLADO DE JUNTAS PARA TURBOCOMPRESOR MBB 314/364

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.01.24   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.08.25   | -         | --     | 01 pç. |
| 450.10.03   | -         | --     | 01 pç. |
| 450.11.01   | -         | --     | 01 pç. |
| 514.20.15   | -         | --     | 02 pç. |
| 516.22.15   | -         | --     | 02 pç. |


**411.00.17**
**SEALING GASKETS FOR TURBOCHARGER VOLVO N12**

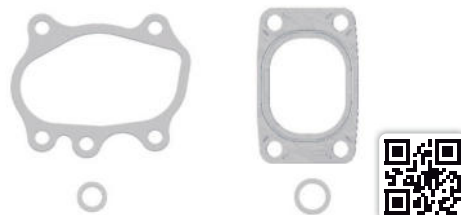
SELLADO DE JUNTAS PARA TURBOCOMPRESOR VOLVO N12

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.08.11   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.10.11   | -         | --     | 01 pç. |
| 450.11.031  | -         | --     | 01 pç. |



**411.00.18**
**SEALING GASKETS FOR TURBOCHARGER S10 | RANGER | T-2 SPRINTER 310 | FORD 815 ELETRONIC**  
**SELLADO DE JUNTAS PARA TURBO S10 | RANGER | T-2 SPRINTER 310 | FORD 815 ELECTRONICO**

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.10.17   | -         | --     | 01 pç. |
| 450.11.10   | -         | --     | 01 pç. |
| 512.18.15   | -         | --     | 02 pç. |
| 516.22.15   | -         | --     | 02 pç. |


**411.00.20**
**SEALING GASKETS FOR MERCEDES 908 TURBOCHARGER**  
**SELLADO DE JUNTAS PARA TURBO MERCEDES 908**

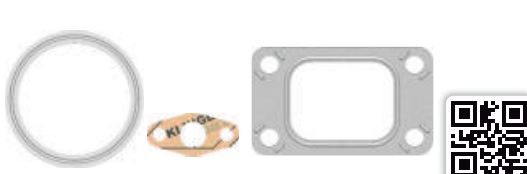
| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.10.13   | -         | --     | 01 pç. |
| 450.08.12   | -         | --     | 01 pç. |
| 450.08.11   | -         | --     | 01 pç. |
| 450.11.061  | -         | --     | 01 pç. |


**411.00.22**
**SEALING GASKETS FOR CUMMINS TURBOCHAGER 8,3L | TURBOCHARGER HX40**  
**SELLADO DE JUNTAS PARA CUMMINS TURBOCHAGER 8,3 L | TURBOCOMPRESOR HX40**

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.10.21   | -         | --     | 01 pç. |
| 450.10.20   | -         | --     | 01 pç. |
| 450.08.11   | -         | --     | 01 pç. |
| 450.11.02   | -         | --     | 01 pç. |


**411.00.23**
**SEALING GASKETS FOR CUMMINS TURBOCHARGER 5,9L | TURBOCHARGER HX35**  
**SELLADO DE JUNTAS CUMMINS TURBOCOMPRESOR 5,9 L | TURBOCOMPRESOR HX35**

| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.10.23   | -         | --     | 01 pç. |
| 450.11.05   | -         | --     | 01 pç. |
| 450.08.11   | -         | --     | 01 pç. |


**411.10.03**
**SEALING GASKETS FOR MANIFOLD SSB 112/113**  
**SELLADO DE JUNTAS DE COLECTOR SSB 112/113**

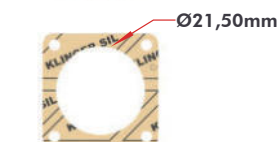
| ROBIEL CODE | REFERENCE | LENGHT | PACK   |
|-------------|-----------|--------|--------|
| 450.13.07   | -         | --     | 02 pç. |
| 450.13.08   | -         | --     | 02 pç. |


**JUNTAS**


| ROBIEL CODE | REFERENCE | DESCRIPTION                           | THICKNESS | PACK  | QR |
|-------------|-----------|---------------------------------------|-----------|-------|----|
| 450.03.05   | -         | Turbocharged gasket - Juntas de Turbo | 1,60mm    | 10 un |    |



|           |               |                                       |        |       |  |
|-----------|---------------|---------------------------------------|--------|-------|--|
| 450.03.06 | 1 410 015 061 | Turbocharged gasket - Juntas de Turbo | 1,60mm | 10 un |  |
|-----------|---------------|---------------------------------------|--------|-------|--|

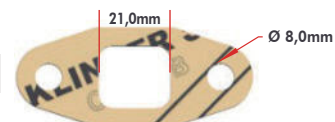
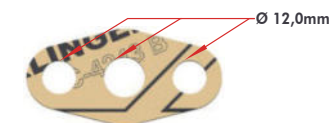
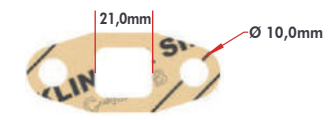
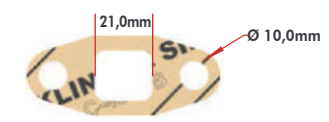
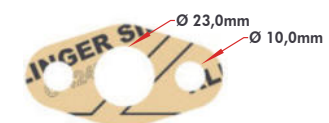
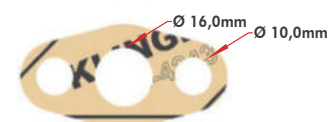
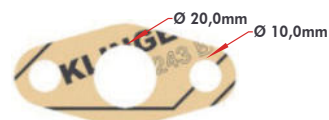


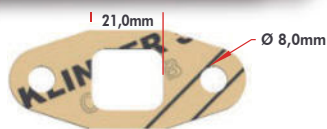
|           |   |                                                               |        |       |  |
|-----------|---|---------------------------------------------------------------|--------|-------|--|
| 450.05.07 | - | Intercooler gasket 112/113<br>Junta de intercambiador 112/113 | 0,80mm | 05 un |  |
|-----------|---|---------------------------------------------------------------|--------|-------|--|



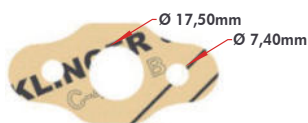
|           |             |                               |        |       |  |
|-----------|-------------|-------------------------------|--------|-------|--|
| 450.06.00 | 28231-4A800 | HR Bongo turbine inlet gasket | 0,60mm | 04 un |  |
|-----------|-------------|-------------------------------|--------|-------|--|

| ROBIEL CODE | REFERENCE     | DESCRIPTION                                                                        | THICKNESS | PACK  | QR                                                                                    |
|-------------|---------------|------------------------------------------------------------------------------------|-----------|-------|---------------------------------------------------------------------------------------|
| 450.06.02   | 28231-4A800   | Hr Bongo turbine inlet gasket                                                      | 0,80mm    | 04 un |    |
| 450.06.04   | -             | Gasket - Ford Ranger / Transit MP215 turbine outlet                                | -         | 04 un |    |
| 450.06.05   | -             | Gasket - Ford Ranger / Transit MP215 turbine inlet                                 | -         | 04 un |    |
| 450.06.06   | -             | Gasket - CT12B Toyota Hilux Turbine Inlet                                          | -         | 04 un |    |
| 450.06.08   | -             | Base Gasket - Mitsubishi Triton - Turbine Body                                     | -         | 04 un |    |
| 450.08.01   | 6 207 853 004 | Exhaust MWM gasket - Junta de escape MWM                                           | -         | 10 un |    |
| 450.08.02   | -             | Steel exhaust MWM gasket<br>Junta de escape acero MWM                              | -         | 10 un |  |
| 450.08.11   | -             | Return pipe gasket<br>HX 27   HX 30   HX 35   HX 40                                | 1,60mm    | 10 un |  |
| 450.08.12   | -             | Lubricant hole gasket 16,00mm<br>Junta de lubricante agujero 16,00mm               | 1,60mm    | 10 un |  |
| 450.08.14   | -             | Return pipe gasket 10,00mm<br>Junta de la tubería de retorno 10,00mm               | 0,80mm    | 10 un |  |
| 450.08.15   | -             | Return pipe gasket 10,00mm - Mercedes<br>Junta de tubo de retorno mercedes 10,00mm | 0,80mm    | 10 un |  |
| 450.08.25   | -             | Return pipe gasket 10,00mm - Mercedes<br>Junta de tubo de retorno mercedes 10,00mm | 1,60mm    | 10 un |  |
| 450.08.16   | -             | Lubricant hole gasket 12,00mm<br>Junta de lubricante agujero 12,00mm               | 1,60mm    | 10 un |  |
| 450.08.17   | -             | Return pipe gasket 8,00mm HX 40<br>Junta de lubricante agujero 8,00mm HX 40        | 0,80mm    | 10 un |  |





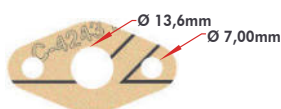
| ROBIEL CODE | REFERENCE | DESCRIPTION                                                                        | THICKNESS | PACK  | QR |
|-------------|-----------|------------------------------------------------------------------------------------|-----------|-------|----|
| 450.08.27   | -         | Return pipe gasket 8,00mm HX 40<br><i>Junta de lubricante agujero 8,00mm HX 40</i> | 1,60mm    | 10 un |    |



|           |   |                                                                                         |        |       |  |
|-----------|---|-----------------------------------------------------------------------------------------|--------|-------|--|
| 450.08.26 | - | Lubricant hole gasket S-10   Ranger<br><i>Junta de lubricante agujero S-10   Ranger</i> | 1,60mm | 10 un |  |
|-----------|---|-----------------------------------------------------------------------------------------|--------|-------|--|



|           |   |                                                                                                        |        |       |  |
|-----------|---|--------------------------------------------------------------------------------------------------------|--------|-------|--|
| 450.08.28 | - | Turbocharger return oil gasket k 0m904 LA k-16<br><i>Junta de aceite de retorno del turbocompresor</i> | 1,60mm | 05 un |  |
|-----------|---|--------------------------------------------------------------------------------------------------------|--------|-------|--|



|           |   |                                                                  |        |       |  |
|-----------|---|------------------------------------------------------------------|--------|-------|--|
| 450.08.29 | - | Return Gasket - MPK 0m904<br><i>Junta de Retorno - MPK 0m904</i> | 1,60mm | 05 un |  |
|-----------|---|------------------------------------------------------------------|--------|-------|--|



|           |             |                                 |        |       |  |
|-----------|-------------|---------------------------------|--------|-------|--|
| 450.08.30 | 17201-0L040 | Water Cooler Gasket - Hilux 3.0 | 0,80mm | 10 un |  |
|-----------|-------------|---------------------------------|--------|-------|--|



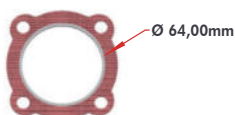
|           |   |                              |        |       |  |
|-----------|---|------------------------------|--------|-------|--|
| 450.08.31 | - | Gasket - Mitsubishi / Triton | 0,80mm | 04 un |  |
|-----------|---|------------------------------|--------|-------|--|



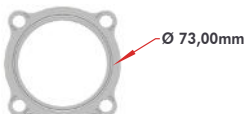
|           |   |                                      |        |       |  |
|-----------|---|--------------------------------------|--------|-------|--|
| 450.08.32 | - | Lubrication Gasket - Nissan Frontier | 0,80mm | 10 un |  |
|-----------|---|--------------------------------------|--------|-------|--|



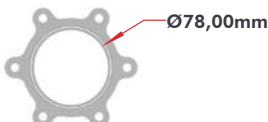
|           |   |                         |        |       |  |
|-----------|---|-------------------------|--------|-------|--|
| 450.08.33 | - | Gasket exit Oil - Hilux | 0,80mm | 10 un |  |
|-----------|---|-------------------------|--------|-------|--|



|           |   |                                                                            |        |       |  |
|-----------|---|----------------------------------------------------------------------------|--------|-------|--|
| 450.10.01 | - | Turbocharger Gasket - MWM S2A<br><i>Junta del Turbocompresor - MWM S2A</i> | 2,00mm | 10 un |  |
|-----------|---|----------------------------------------------------------------------------|--------|-------|--|



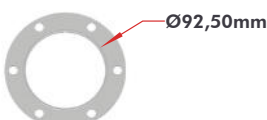
|           |   |                                                                    |        |       |  |
|-----------|---|--------------------------------------------------------------------|--------|-------|--|
| 450.10.03 | - | Turbocharger Gasket - MBB<br><i>Junta del Turbocompresor - MBB</i> | 0,75mm | 10 un |  |
|-----------|---|--------------------------------------------------------------------|--------|-------|--|



|           |   |                                                                        |   |       |  |
|-----------|---|------------------------------------------------------------------------|---|-------|--|
| 450.10.04 | - | Turbocharger Gasket - Volvo<br><i>Junta del Turbocompresor - Volvo</i> | - | 10 un |  |
|-----------|---|------------------------------------------------------------------------|---|-------|--|



|           |   |                                                                                            |   |       |  |
|-----------|---|--------------------------------------------------------------------------------------------|---|-------|--|
| 450.10.05 | - | Turbocharger Gasket - Valmet   Maxion<br><i>Junta del Turbocompresor - Valmet   Maxion</i> | - | 05 un |  |
|-----------|---|--------------------------------------------------------------------------------------------|---|-------|--|

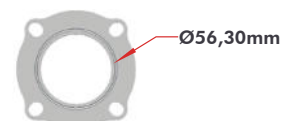
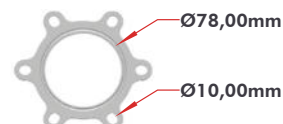
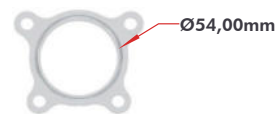
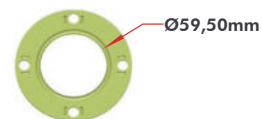


|           |   |                                                                          |   |       |  |
|-----------|---|--------------------------------------------------------------------------|---|-------|--|
| 450.10.06 | - | Turbocharger Gasket MBB 355<br><i>Junta del Turbocompresor - MBB 355</i> | - | 10 un |  |
|-----------|---|--------------------------------------------------------------------------|---|-------|--|



|            |   |                                                                                        |   |       |  |
|------------|---|----------------------------------------------------------------------------------------|---|-------|--|
| 450.10.071 | - | Turbocharger Gasket VW   MWM 6 Cil<br><i>Junta del Turbocompresor - VW   MWM 6 Cil</i> | - | 05 un |  |
|------------|---|----------------------------------------------------------------------------------------|---|-------|--|

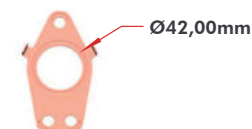
| ROBIEL CODE | REFERENCE   | DESCRIPTION                                                                                                      | THICKNESS | PACK  | QR                                                                                    |
|-------------|-------------|------------------------------------------------------------------------------------------------------------------|-----------|-------|---------------------------------------------------------------------------------------|
| 450.10.08   | -           | Turbocharger Gasket S2A   MWM PKS<br>Junta del Turbocompresor - S2A   MWM PKS                                    | -         | 05 un |    |
| 450.10.09   | -           | Turbocharger Gasket Maxion S4   S4T<br>Junta del Turbocompresor - Maxion S4   S4T                                | -         | 05 un |    |
| 450.10.10   | 2RE 253 135 | Turbocharger Gasket VW - AP2   682<br>Junta del Turbocompresor VW - AP2   682                                    | -         | 05 un |    |
| 450.10.11   | -           | Turbocharger Gasket - BR 400<br>Junta del Turbocompresor - BR 400                                                | -         | 10 un |    |
| 450.10.13   | -           | Turbocharger Gasket SC2<br>Junta del Turbocompresor - SC2                                                        | -         | 10 un |    |
| 450.10.17   | -           | Turbocharger Gasket S-10  <br>Ranger   T2-Sprinter 310                                                           | -         | 05 un |    |
| 450.10.19   | -           | Turbocharger Gasket - K14 Ducato Daly GT-17<br>Junta del Turbocompresor - K14 Ducato Daly GT-17                  | -         | 05 un |  |
| 450.10.20   | TE 253135A  | Exhaust Turbocharger Gasket Cummins (Intermediary)<br>Junta de escape del turbocompresor Cummins (Intermediaria) | 1,00mm    | 05 un |  |
| 450.10.21   | TE3 253135B | Exhaust Turbocharger Gasket HX 40   HX 40W<br>Truck VW Titan 18.310   Ford Cargo 4331                            | 1,00mm    | 05 un |  |
| 450.10.23   | -           | Compressor Turbocharger Gasket Cummins<br>5,9L HX 35 (Menor)                                                     | 1,00mm    | 05 un |  |
| 450.10.22   | -           | Turbocharger Gasket K OM904 LA K-16<br>Junta del Turbocompresor - K OM904 LA K-16                                | -         | 05 un |  |
| 450.10.24   | 807763      | Flange Gasket NB075 caracol APL682 VW<br>Junta Brida NB075 caracol APL682 VW                                     | -         | 05 un |  |
| 450.11.01   | TE 253135A  | Intake Turbocharger Gasket MBB   MWM<br>Junta de turbocompresor de entrada MBB   MWM                             | -         | 10 un |  |
| 450.11.02   | -           | Intake Turbocharger Gasket - Volvo<br>Junta de turbocompresor de entrada - Volvo                                 | -         | 10 un |  |
| 450.11.03   | -           | Intake Turbocharger Gasket - MBB 355<br>Junta de turbocompresor de entrada - MBB 355                             | -         | 10 un |  |

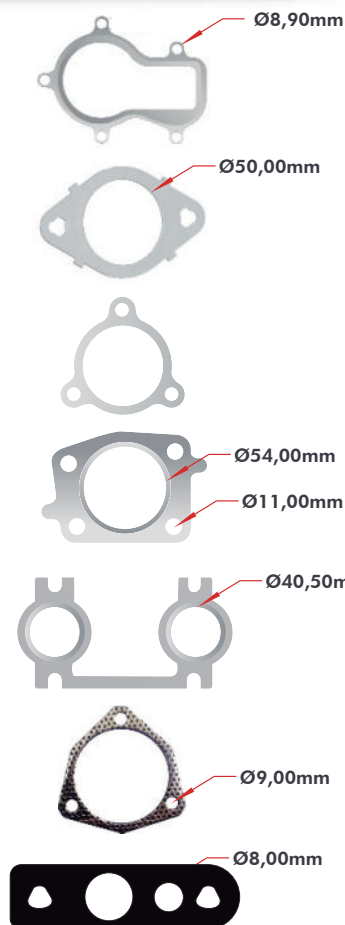


|                                                                                              | ROBIEL CODE | REFERENCE | DESCRIPTION                                                                                                              | THICKNESS | PACK  | QR                                                                                    |
|----------------------------------------------------------------------------------------------|-------------|-----------|--------------------------------------------------------------------------------------------------------------------------|-----------|-------|---------------------------------------------------------------------------------------|
|             | 450.11.031  | -         | Intake Turbocharger Gasket 355   N12   D/V<br>Junta de turbocompresor de entrada 355   N12   N/V                         | -         | 10 un |    |
|             | 450.11.04   | 1323354   | Intake Turbocharger Gasket with Division Scania<br>Junta de turbocompresor de entrada con división                       | -         | 10 un |    |
|             | 450.11.05   | 1323354   | Intake Turbocharger Gasket without Division<br>Junta de turbocompresor de entrada sin división                           | -         | 10 un |    |
|             | 450.11.06   | -         | Intake Gasket 608   709   710 - MBB<br>Junta de entrada 608   709   710 - MBB                                            | -         | 05 un |    |
|             | 450.11.061  | -         | Intake Gasket 608   709   710<br>without Division MBB                                                                    | -         | 05 un |    |
|            | 450.11.07   | -         | Intake Gasket Volvo<br>stainless steel without Division                                                                  | -         | 10 un |    |
|           | 450.11.08   | -         | Intake Gasket Scania stainless steel /marine<br>Junta de entrada Scania acero/ Marinho                                   | -         | 10 un |  |
|  Ø9,40mm  | 450.11.10   | -         | Intake Turbocharger Gasket S-10  <br>Ranger   HE 221W   Cummins   K16                                                    | -         | 05 un |  |
|  Ø10,20mm | 450.11.101  | -         | Intake Turbocharger Gasket S-10   Ranger   Srinter 310<br>Junta de turbocompresor de entrada S-10   Ranger   Srinter 310 | -         | 05 un |  |
|           | 450.11.11   | 1323354   | Intake Turbocharger Gasket with Division GT-17<br>Junta de turbocompresor de entrada con división GT-17                  | -         | 05 un |  |
|           | 450.11.12   | -         | Gasket T2 Volare GT22   S-10 Eletronic<br>Junta T2 Volare GT22   S-10 Electrónico                                        | -         | 05 un |  |
|           | 450.11.13   | -         | Intake Turbocharger Gasket K OM904 K-16   K-24<br>Junta de turbocompresor de entrada K OM904 K-16   K-24                 | -         | 05 un |  |
|           | 450.11.14   | -         | Intake Turbocharger Gasket Actros   Axor MBB<br>Junta de turbocompresor de entrada Actros   Axor MBB                     | -         | 10 un |  |
|            | 450.12.01   | -         | Intake Gasket MWM series X-10<br>Junta de entrada MWM serie X-10                                                         | -         | 10 un |  |



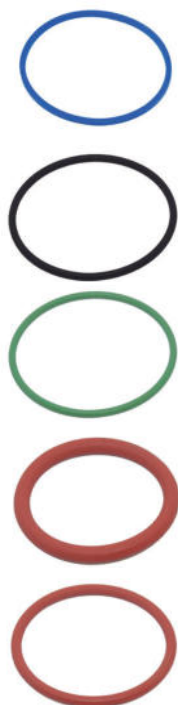
| ROBIEL CODE | REFERENCE        | DESCRIPTION                                                                                           | THICKNESS | PACK  | QR                                                                                    |
|-------------|------------------|-------------------------------------------------------------------------------------------------------|-----------|-------|---------------------------------------------------------------------------------------|
| 450.12.02   | -                | Exhaust Pipe Gasket MWM series X-10<br><i>tubos de turbocompresor de escape mwm serie X-10</i>        | -         | 10 un |    |
| 450.12.05   | 366 141 05 80    | Intake Exhaust Gasket OM366<br><i>Junta de entrada de escape OM366</i>                                | -         | 10 un |    |
| 450.12.06   | -                | Exhaust Gasket D-10   D-20<br><i>Junta de retorno D-10   D-20</i>                                     | -         | 10 un |    |
| 450.12.07   | -                | Exhaust Gasket D-10   D-20 Steel<br><i>Junta de retorno D-10   D-20 acero</i>                         | -         | 10 un |    |
| 450.12.08   | 403 142 03 80    | Exhaust Pipe Gasket MBB 477   449<br><i>Tubos de turbocompresor de escape MBB 477   449</i>           | -         | 05 un |    |
| 450.12.11   | -                | Intake Gasket MBB OM 447   449<br><i>Junta de entrada MBB OM 447   449</i>                            | -         | 06 un |    |
| 450.12.14   | 335439802BZLRTS  | Intake Pipe Gasket Cummins BBA P<br><i>Junta de turbocompresor de entrada Cummins BBA P</i>           | 0,80mm    | 05 un |  |
| 450.12.15   | 2RL 13085        | Exhaust Turbocharger Pipes motors Cummins<br><i>Junta de turbocompresor de escape motores Cummins</i> | -         | 06 un |  |
| 450.12.19   | 479 107          | Exhaust Gasket Volvo N/NL 10/12<br><i>Junta de escape N/NL 10/12</i>                                  | -         | 06 un |  |
| 450.13.06   | 366 142 05 90 ST | Exhaust Gasket OM366<br><i>Junta de escape OM366</i>                                                  | -         | 10 un |  |
| 450.13.29   | -                | Pipe gasket Cummins engine<br><i>Junta de la cañería motor Cummins</i>                                | -         | 05 un |  |
| 450.13.30   | A 906 096 9799   | Turbocharger Gasket K-27 MBB Eletronic<br><i>Junta de turbocompresor K-27 MBB Electrónico</i>         | -         | 05 un |  |
| 450.13.31   | 1801735          | Intake Turbocharger Gasket Scania K-310<br><i>Junta de turbocompresor de entrada K-310</i>            | -         | 05 un |  |
| 450.13.32   | 3537960          | Intake Turbocharger Gasket Cummins HX40W - Eletronic                                                  | -         | 05 un |  |





| ROBIEL CODE | REFERENCE           | DESCRIPTION                                                                                    | THICKNESS | PACK  | QR |
|-------------|---------------------|------------------------------------------------------------------------------------------------|-----------|-------|----|
| 450.13.33   | 3535001             | Turbocharger Gasket HX 35<br><i>Junta de turbocompresor HX 35</i>                              | -         | 05 un |    |
| 450.13.34   | 2T2129589           | Exhaust Gasket Cummins Eletronic serie C<br><i>Junta de escape Cummins Electrónico serie C</i> | -         | 01 un |    |
| 450.13.39   | -                   | Turbocharger Gasket T09-S1B-364LA<br><i>Junta de turbocompresor T09-S1B-364LA</i>              | -         | 05 un |    |
| 450.13.41   | -                   | Turbocharger Gasket Mitsubishi<br><i>Junta de turbocompresor Mitsubishi</i>                    | -         | 02 un |    |
| 450.13.42   | -                   | Exhaust Gasket OM904 Eletronic<br><i>Junta de escape OM904 Electronico</i>                     | -         | 03 un |    |
| 450.13.43   | 33540-SW   93284251 | Exhaust Gasket OM904 Eletronic<br><i>Junta de escape OM904 Electronico</i>                     | -         | 05 un |    |
| 450.04.53   | 036/14757           | Exhaust Gasket Gol and Parati 1.0 16V Turbo                                                    | -         | 02 un |    |

## O-RINGS



| ROBIEL CODE | REFERENCE        | DESCRIPTION                                                                                                  | DIAMETER  | PACK  | QR |
|-------------|------------------|--------------------------------------------------------------------------------------------------------------|-----------|-------|----|
| 420.06.130  | 1542781          | Turbocharger Pipe O-ring. NL 10/340-360/ EDC 420<br><i>Junta del o-ring de la cañería del turbocompresor</i> | Ø 60,00mm | 05 un |    |
| 421.05.835  | 025 997 43 48    | Turbocharger Pipe O-ring MBB 1938/1938S<br><i>Junta del o-ring de la cañería del turbocompresor</i>          | Ø 58,00mm | 05 un |    |
| 421.06.430  | 1331820          | Turbocharger Pipe O-ring P124/T114/R420<br><i>Junta del o-ring de la cañería del turbocompresor</i>          | Ø 64,20mm | 05 un |    |
| 422.04.050  | 6 0493 10 6 0450 | Turbocharger Pipe O-ring 7-110 MWM X10<br><i>Junta del o-ring de la cañería del turbocompresor</i>           | Ø 40,00mm | 05 un |    |
| 422.04.435  | -                | O-Ring Return Pressure Turbocharger S-10<br><i>O-ring de salida de presión turbocompresor</i>                | Ø 44,00mm | 10 un |    |

| ROBIEL CODE | REFERENCE        | DESCRIPTION                                                                                                        | DIAMETER   | PACK  | QR                                                                                    |
|-------------|------------------|--------------------------------------------------------------------------------------------------------------------|------------|-------|---------------------------------------------------------------------------------------|
| 422.04.335  | 70680015         | Turbocharger O-ring S-10   F1000<br>Ranger   Sprinter                                                              | Ø 43,00mm  | 05 un |    |
| 422.04.540  | 021 997 84 48    | Turbocharger Pipe O-ring<br>MBB 710   1648   1620   914                                                            | Ø 45,60mm  | 05 un |    |
| 422.04.850  | 9 0493 11 6 0481 | Admission O-Ring MWM Turbocharger<br>Admisión del O-ring turbocompresor MWM                                        | Ø 48,00mm  | 05 un |    |
| 422.05.035  | 9 0493 11 7 0501 | Admission O-Ring Sprinter Turbocharger<br>Admisión del O-ring turbocompresor Sprinter                              | Ø 50,00mm  | 05 un |    |
| 422.05.739  | 376 997 71 45    | Turbocharger Pipe O-ring MBB 1620 OM449<br>O-ring de la cañería del turbocompresor                                 | Ø 58,00mm  | 05 un |    |
| 422.05.935  | 70650016         | Turbocharger O-ring S-10   F1000   Ranger   Sprinter<br>O-ring del turbocompresor S-10   F1000   Ranger   Sprinter | Ø 59,00mm  | 05 un |   |
| 422.06.080  | 006 997 49 48    | Turbocharger Pipe O-ring MBB LS<br>1935 33 41 24 29                                                                | Ø 60,50mm  | 05 un |  |
| 422.07.030  | 1 319 541        | Intercooler O-ring SC P93/360 R113/360<br>O-ring del intercooler SC P93/360 R113/360                               | Ø 80,00mm  | 05 un |  |
| 422.08.530  | 1 675 066        | Intercooler O-ring Volvo FH380/420 NH380<br>O-ring del intercooler Volvo FH380/420 NH380                           | Ø 84,50mm  | 05 un |  |
| 422.11.030  | 1302243          | Intercooler O-ring SC P   113   360<br>O-ring del intercooler SC P   113   360                                     | Ø 107,00mm | 05 un |  |

