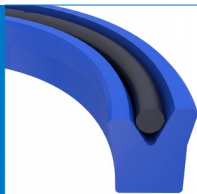


# HBI

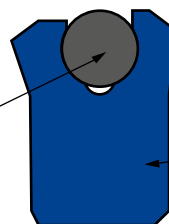


La junta HBI es un sello de estanqueidad para vástago de simple efecto, diseñado para evitar fugas de fluido hidráulico hacia el exterior en cilindros hidráulicos. Su diseño combina un anillo principal de sellado con una junta tórica (O-Ring) que actúa como elemento de precarga, garantizando un contacto permanente con la superficie del vástago y el alojamiento incluso a bajas presiones.

*The HBI is a single-acting rod seal designed to prevent external leakage of hydraulic fluid in hydraulic cylinders. Its design combines a main sealing ring with an O-Ring acting as a energizing element, ensuring permanent contact with the rod surface and the housing even at low pressures.*



Junta tórica de precarga  
*Energizing O-Ring*



Cuerpo de Poliuretano  
*PU Body*



-40°C  
100°C



40MPa



< 0.5m/s



6mm  
2000mm

- Excelente estanqueidad estática y dinámica.
- La junta tórica garantiza una fuerza de contacto constante incluso a bajas presiones.
- Baja fricción y reducida fuerza de arranque.
- Elevada resistencia al desgaste y a la abrasión
- Buena capacidad de compensación de pequeñas desviaciones y tolerancias de montaje.
- Adecuada para movimientos alternativos del vástago.
- Reduce el riesgo de fugas externas y mejora la vida útil del sistema.
- Permite velocidades de trabajo elevadas según el material empleado.
- Compatible con aceites hidráulicos minerales y otros fluidos mediante la selección adecuada del material.
- Diseño compacto que requiere poco espacio de montaje.



- *Excellent static and dynamic sealing.*
- *The O-Ring ensures constant contact force even at low pressures.*
- *Low friction and reduced break-out force.*
- *High resistance to wear and abrasion.*
- *Good compensation of small deviations and assembly tolerances.*
- *Suitable for reciprocating rod movements.*
- *Reduces the risk of external leakage and extends system service life.*
- *Allows high working speeds depending on the material used.*
- *Compatible with mineral hydraulic oils and other fluids through the appropriate material selection.*
- *Compact design requiring little installation space.*

Cuerpo en poliuretano (PU) tipo CO de 92 a 95 Shore A, con alta resistencia al desgaste y a la abrasión, y O-Ring de precarga en NBR 70 Shore A. Buen comportamiento con aceites minerales y grasas. Para fluidos de base agua o ignífugos (HFA, HFB, HFC), confirmar el material.

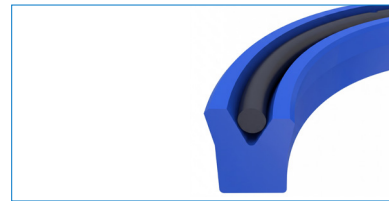


*Polyurethane (PU) body, CO type, 92 to 95 Shore A, with high wear and abrasion resistance, and NBR 70 Shore A preload O-Ring. Good performance with mineral oils and greases. For water-based or fire-resistant fluids (HFA, HFB, HFC), please confirm the material.*

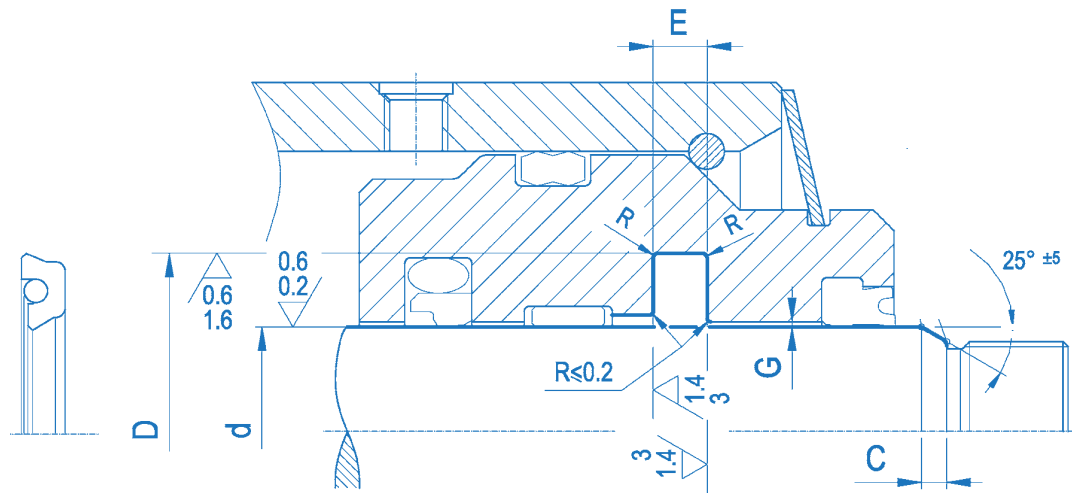
Lubricar la junta y las superficies de montaje. Evitar rebabas y cantos vivos. Montar sin torsiones ni pellizcos. Comprobar el correcto asentamiento antes de la puesta en servicio.



*Lubricate the seal and the mating surfaces. Avoid burrs and sharp edges. Fit without twisting or pinching. Check correct seating before commissioning.*

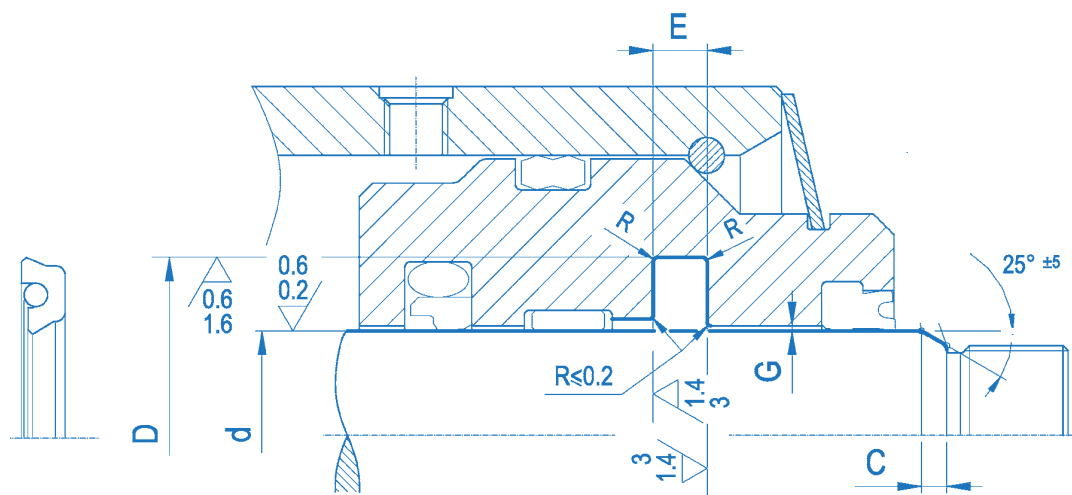
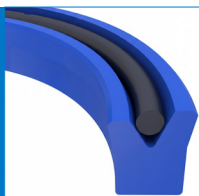


# HBI



| NO.               | d    | D    | E   | R   | C |
|-------------------|------|------|-----|-----|---|
| U-8*15.5*3-HBI    | 8    | 15.5 | 3   | 0.5 | 3 |
| U-12*19.5*3.2-HBI | 12   | 19.5 | 3.2 | 0.5 | 3 |
| U-14*21.5*3.2-HBI | 14   | 21.5 | 3.2 | 0.5 | 3 |
| U-16*23.5*3.2-HBI | 16   | 23.5 | 3.2 | 0.5 | 3 |
| U-18*25.5*3.2-HBI | 18   | 25.5 | 3.2 | 0.5 | 3 |
| U-20*27.5*3.2-HBI | 20   | 27.5 | 3.2 | 0.5 | 3 |
| U-20*31*4.2-HBI   | 20   | 31   | 4.2 | 0.5 | 4 |
| U-22*29.5*3.2-HBI | 22   | 29.5 | 3.2 | 0.5 | 3 |
| U-22*33*4.2-HBI   | 22   | 33   | 4.2 | 0.5 | 4 |
| U-25*32.5*3.2-HBI | 25   | 32.5 | 3.2 | 0.5 | 3 |
| U-25*36*4.2-HBI   | 25   | 36   | 4.2 | 0.5 | 4 |
| U-26.5*34*3.2-HBI | 26.5 | 34   | 3.2 | 0.5 | 3 |
| U-28*39*4.2-HBI   | 28   | 39   | 4.2 | 0.5 | 4 |
| U-32*43*4.2-HBI   | 32   | 43   | 4.2 | 0.5 | 4 |
| U-36*47*4.2-HBI   | 36   | 47   | 4.2 | 0.5 | 4 |
| U-40*51*4.2-HBI   | 40   | 51   | 4.2 | 0.5 | 4 |
| U-40*55.5*6.3-HBI | 40   | 55.5 | 6.3 | 0.9 | 5 |
| U-45*56*4.2-HBI   | 45   | 56   | 4.2 | 0.5 | 4 |
| U-45*60.5*6.3-HBI | 45   | 60.5 | 6.3 | 0.9 | 5 |
| U-50*61*4.2-HBI   | 50   | 61   | 4.2 | 0.5 | 4 |
| U-50*65.5*6.3-HBI | 50   | 65.5 | 6.3 | 0.9 | 5 |
| U-55*66*4.2-HBI   | 55   | 66   | 4.2 | 0.5 | 4 |
| U-55*70.5*6.3-HBI | 55   | 70.5 | 6.3 | 0.5 | 4 |
| U-56*67*4.2-HBI   | 56   | 67   | 4.2 | 0.5 | 4 |
| U-56*71.5*6.3-HBI | 56   | 71.5 | 6.3 | 0.9 | 5 |
| U-63*74*4.2-HBI   | 63   | 74   | 4.2 | 0.5 | 4 |

# HBI



| NO.                 | Ød  | ØD    | b   | B   | C |
|---------------------|-----|-------|-----|-----|---|
| U-63*78.5*6.3-HBI   | 63  | 78.5  | 6.3 | 0.9 | 5 |
| U-65*80.5*6.3-HBI   | 65  | 80.5  | 6.3 | 0.9 | 5 |
| U-70*85.5*6.3-HBI   | 70  | 85.5  | 6.3 | 0.9 | 5 |
| U-75*86*4.2-HBI     | 75  | 86    | 4.2 | 0.5 | 4 |
| U-75*90.5*6.3-HBI   | 75  | 90.5  | 6.3 | 0.9 | 5 |
| U-80*95.5*6.3-HBI   | 80  | 95.5  | 6.3 | 0.9 | 5 |
| U-90*105.5*6.3-HBI  | 90  | 105.5 | 6.3 | 0.9 | 5 |
| U-95*110.5*6.3-HBI  | 95  | 110.5 | 6.3 | 0.9 | 5 |
| U-100*115.5*6.3-HBI | 100 | 115.5 | 6.3 | 0.9 | 5 |
| U-105*120.5*6.3-HBI | 105 | 120.5 | 6.3 | 0.9 | 5 |
| U-110*125.5*6.3-HBI | 110 | 125.5 | 6.3 | 0.9 | 5 |
| U-115*130.5*6.3-HBI | 115 | 130.5 | 6.3 | 0.9 | 5 |
| U-120*135.5*6.3-HBI | 120 | 135.5 | 6.3 | 0.9 | 5 |
| U-130*145.5*6.3-HBI | 130 | 145.5 | 6.3 | 0.9 | 5 |
| U-135*150.5*6.3-HBI | 135 | 150.5 | 6.3 | 0.9 | 5 |
| U-140*155.5*6.3-HBI | 140 | 155.5 | 6.3 | 0.9 | 5 |
| U-145*160.5*6.3-HBI | 145 | 160.5 | 6.3 | 0.9 | 5 |
| U-150*165.5*6.3-HBI | 150 | 165.5 | 6.3 | 0.9 | 5 |
| U-160*175.5*6.3-HBI | 160 | 175.5 | 6.3 | 0.9 | 5 |
| U-160*181*8.1-HBI   | 160 | 181   | 8.1 | 0.9 | 7 |
| U-180*195.5*6.3-HBI | 180 | 195.5 | 6.3 | 0.9 | 5 |
| U-190*205.5*6.3-HBI | 190 | 205.5 | 6.3 | 0.9 | 5 |
| U-200*215.5*6.3-HBI | 200 | 215.5 | 6.3 | 0.9 | 5 |
| U-200*221*8.1-HBI   | 200 | 221   | 8.1 | 0.9 | 7 |