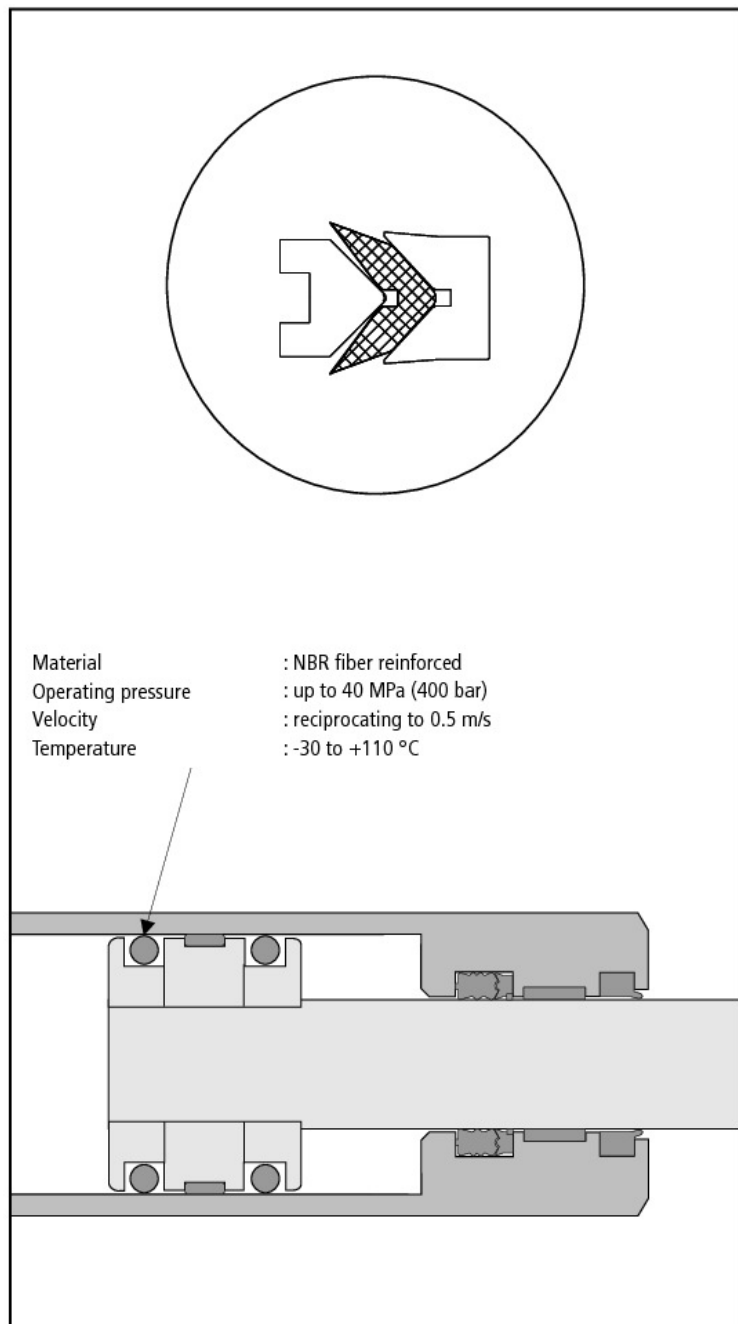
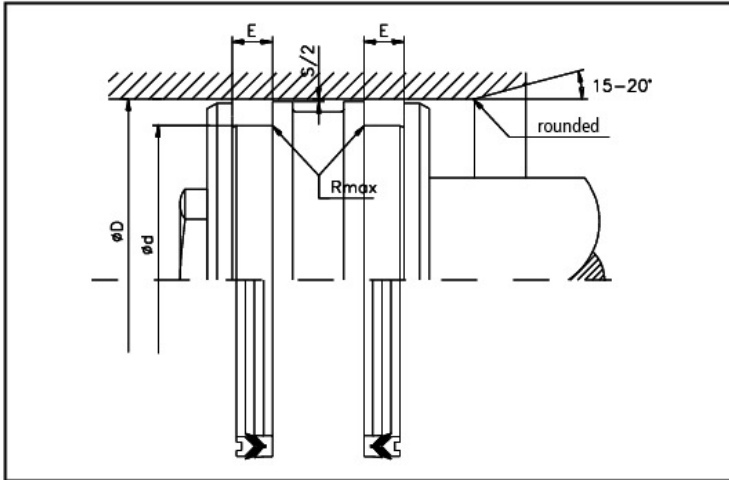
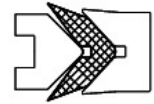


Gland-seal sets have been standard equipments for intermediate to very high stress applications for a number of years. Their robustness against dirt and impact pressures as well as their excellent endurance life render them problem-free.

Special Features:

- Three part construction consisting of a pressure-seal-slider ring
- Assembly on single part piston
- Anti wear fabric design of gasket
- Assured use in case of large tolerances
- Gland-seal sets also available in FPM.





| Limitations on Use | |
|--------------------|--|
| Operating pressure | : up to 40 MPa (400 bar) |
| Velocity | : reciprocating to max. 0.5 m/s |
| Temperature | : -30 to +110 °C (material NBR) : -10 to +150 °C (material FPM) |

| Media for Use | |
|---|--|
| Mineral oil based hydraulic oils, flame resistant pressure media and emulsions (HFA, HFB, HFC). Bio Oils. | |

| Surface Finish | | |
|----------------|---------|--------|
| Surfaces | Rz | Ra |
| Faces | 1,2 µm | 0,3 µm |
| Groove root | 6,3 µm | 1,8 µm |
| Groove flanks | 10,0 µm | 3,2 µm |

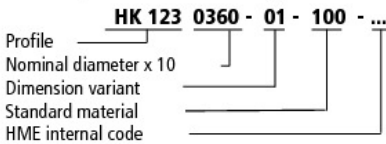
| D H10 | d h10 | E +0,3 | Part N°. |
|-------|-------|--------|-------------------|
| 20,00 | 10,00 | 9,30 | HK123 0200-01-100 |
| 22,00 | 12,00 | 9,30 | HK123 0220-01-100 |
| 25,00 | 15,00 | 9,30 | HK123 0250-01-100 |
| 28,00 | 18,00 | 9,30 | HK123 0280-01-100 |
| 30,00 | 20,00 | 9,30 | HK123 0300-01-100 |
| 32,00 | 20,00 | 10,90 | HK123 0320-01-100 |
| 35,00 | 23,00 | 10,90 | HK123 0350-01-100 |
| 36,00 | 24,00 | 10,90 | HK123 0360-01-100 |
| 40,00 | 25,00 | 11,50 | HK123 0400-01-100 |
| 42,00 | 27,00 | 11,50 | HK123 0420-01-100 |
| 45,00 | 30,00 | 11,50 | HK123 0450-01-100 |
| 50,00 | 35,00 | 11,50 | HK123 0500-01-100 |
| 55,00 | 40,00 | 11,50 | HK123 0550-01-100 |
| 56,00 | 41,00 | 11,50 | HK123 0560-01-100 |
| 60,00 | 45,00 | 11,50 | HK123 0600-01-100 |
| 63,00 | 48,00 | 13,00 | HK123 0630-01-100 |
| 70,00 | 50,00 | 15,20 | HK123 0700-01-100 |

| D H10 | d h10 | E +0,3 | Part N°. |
|--------|--------|--------|-------------------|
| 80,00 | 60,00 | 15,20 | HK123 0800-01-100 |
| 90,00 | 70,00 | 21,20 | HK123 0900-01-100 |
| 100,00 | 80,00 | 21,20 | HK123 1000-01-100 |
| 110,00 | 90,00 | 21,20 | HK123 1100-01-100 |
| 115,00 | 95,00 | 21,20 | HK123 1150-01-100 |
| 125,00 | 100,00 | 25,80 | HK123 1250-01-100 |
| 140,00 | 115,00 | 25,80 | HK123 1400-01-100 |
| 150,00 | 120,00 | 29,00 | HK123 1500-01-100 |
| 160,00 | 130,00 | 29,00 | HK123 1600-01-100 |
| 180,00 | 150,00 | 31,50 | HK123 1800-01-100 |
| 200,00 | 170,00 | 33,50 | HK123 2000-01-100 |
| 225,00 | 195,00 | 33,50 | HK123 2250-01-100 |
| 220,00 | 190,00 | 33,50 | HK123 2200-01-100 |
| 250,00 | 220,00 | 33,50 | HK123 2500-01-100 |
| 275,00 | 245,00 | 33,50 | HK123 2750-01-100 |
| 300,00 | 270,00 | 33,50 | HK123 3000-01-100 |

Above sizes also available in FPM.

Further sizes and empirical measurements as well as an extensive range of inch measurement diagrams available on request.

Example for ordering Piston Seal:



Material Key:

100 - NBR
120 - FPM

Issue

| | |
|----|----|
| 01 | 05 |
|----|----|

WARNING: Limits of application stated herein are standard values. They could be individually transgressed with due consideration to respective service conditions. In the event of a large duty cycle, pulsating operation and other complex operational conditions, simultaneous transgression of these values is not recommended. Due to a large variety of service conditions that may arise in course of actual use, the company does not take responsibility of or guarantee the functional accuracy of the individual components. Rights for changes are reserved.