

PEL[®] BHR

Metallic range

HIGH RESISTANCE TO WEAR AND SEIZURE UNDER EXTREME OPERATING CONDITIONS: HIGH PRESSURE, ABRASION, IMPACT, AND CORROSION

PEL[®]BHR components offer excellent resistance to wear and seizure thanks to the combination of a duplex surface treatment and a special grease reservoir. Lubrication intervals are considerably extended.



Examples of applications:



Construction



Waste collection



Backhoe loaders



Mining equipment



Grapples

Operating conditions

| | |
|-----------------------|---|
| Max. static pressure | 300 MPa |
| Max. dynamic pressure | 150 MPa |
| Max. speed | 1,5 m/s |
| Max. PV factor | See curves on back |
| Max. temperature | Up to 250°C |
| Lubrication | Greased |
| Lubrication intervals | Up to 500h |
| Assembly instructions | Press or nitrogen assembly. If something else, please contact us |

Standard tolerances of the bushing

| | |
|------------------|------------|
| Inside diameter | H9* |
| Outside diameter | p6* |

Housing

| | |
|--------------------|------------|
| Standard tolerance | H7* |
|--------------------|------------|

Shaft

| | |
|--------------------------------|---|
| Standard tolerance | f7* |
| Optium roughness | < 0,8 μm |
| Recommended surface treatments | Hardness > 56 HRC |
| Optium HEF technology | PEL[®] ST, PEL[®] STC, ... |

Components available in this technology

Bushings, flanged bushings, spherical plain bearings, slide pads, washers

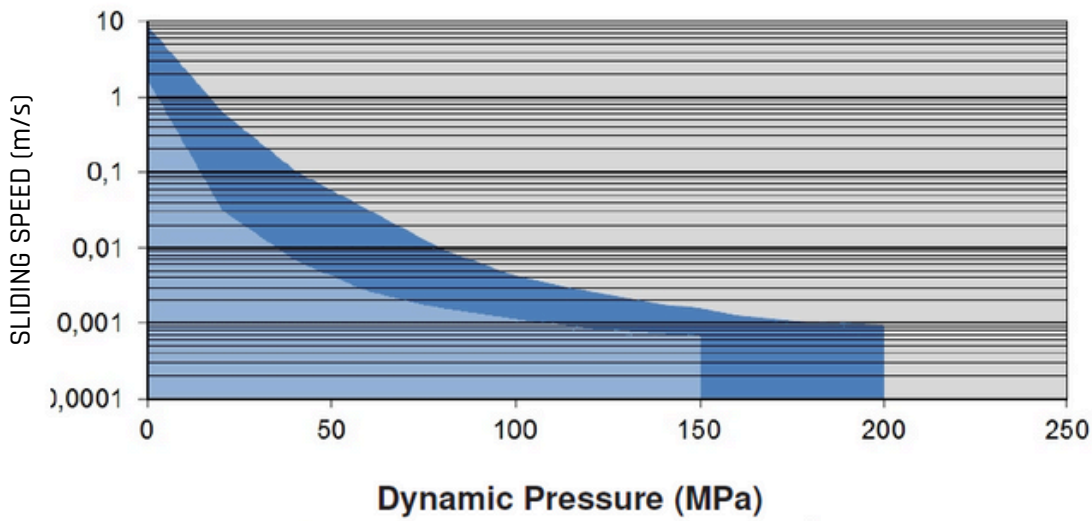
* Depending on the severity of your application conditions, these recommendations may change. Contact us before use.

Contact

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HEF DURFERRIT MECHANICAL SALES OFFICES
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Courbes PV :



NB: Curves obtained on HEF test benches



Marginal lubrication



Regular lubrication



Customisable PEL[®] BHR components: PEL[®] BHR friction components can be customised to meet your specific requirements.

For example, PEL[®] BHR HG, with the addition of a helical groove, is the perfect solution for the following problems:

- Regreasing under load
- Low angle of oscillation



Extensive testing and R&D capacities

- 60 tribologists and R&D engineers
- More than 30 test benches, customisable tribometers
- Studies in special environments: Cryogenic, high-temperature, water, oil, grease, dust, etc.
- Over 3,000 studies conducted in various industries
- Over 200 patents

This PEL[®] BHR technology is based on our experience in the field of tribology. Consequently, it must be tested and validated under your actual working conditions before it is adopted for permanent use.

PEL[®] BHR TECHNOLOGY IS A WORLDWIDE HEF PATENT - HEF IS THE ONLY AUTHORISED MANUFACTURER

Contact

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