HEF®
NORTH AMERICA | Surface materials engineering

PEL® HP

Metallic range

HIGH RESISTANCE TO WEAR AND SEIZURE UNDER SEVERE WORKING CONDITIONS: HIGH PRESSURE, ABRASION, IMPACT AND CORROSION

PEL® HP components have excellent resistance to wear and seizure thanks to a duplex surface treatment combined with patented lubrication reservoirs in the friction zone.

Examples of applications:

Excavators

Waste collection

Backhoe loaders

Cranes

Grapples

Operating conditions

Max. static pressure	300 MPa
Max. dynamic pressure	120 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 250 h
Assembly instructions	Press, nitrogen assembly. If something else, please contact us

Standard tolerances of the bushing

Inside Ø	H9*
Outside Ø	p6*

Housing

Standard tolerance	H7*

Shaft

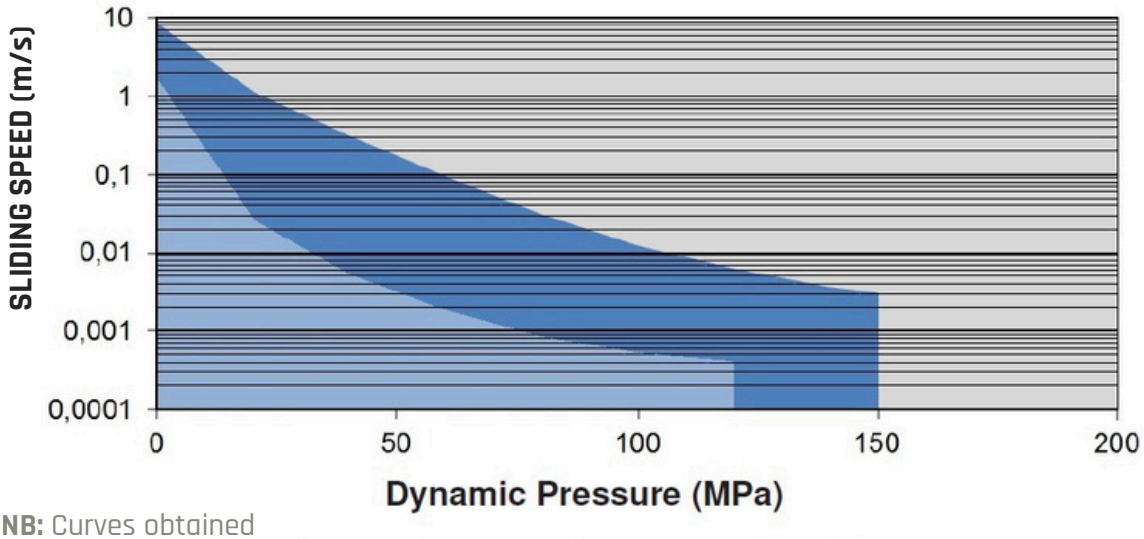
Standard tolerance	f7*
Optimum roughness	< 0,8 µm
Recommended surface treatments	Dureté > 56 HRC
Optimum HEF technology	PEL® ST, PEL® STC, ...

Components available in this technology

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

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

Courbes PV :



NB: Curves obtained on HEF test bench

Marginal lubrication

Regular lubrication

Extensive testing and R&D capacities

- 60 tribologists and R&D engineers
- More than 30 test benches, customizable tribometers
- Studies in special environments: Cryogenic, high- temperature, water, oil, grease, dust, etc.
- Over 3000 studies conducted in various industries
- Over 200 patents

This PEL® HP 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® HP TECHNOLOGY IS A WORLDWIDE HEF PATENT – HEF IS THE ONLY AUTHORISED MANUFACTURER

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