

# H-Liner<sup>®</sup> S1

## Self-lubricating polymer bushings

These bushings, manufactured from a friction liner applied on a glass fiber structure, have excellent friction properties and improved wear resistance without external lubrication even on high loads.



### Tolerances:

**Housing :** H7-H8

**Shaft:** h7-h8

### Mating pins:

**Hardness** ≥ 400 HB

**Roughness :** 0.2 μm ≤ Ra ≤ 0.8 μm

### Applications :

- Power lift truck
- Telescopic handlers
- Aircraft handling system
- ....

Characteristics	H-Liner <sup>®</sup> S1
Dynamic contact pressure (Max)	140 MPa
Static contact pressure (Max)	400 MPa
Velocity (Max)	0.5 m/s
Friction coefficient	0,03 to 0,08
Temperature (Max)	- 40 °C to + 160 °C
Linear expansion coefficient	7 E <sup>-6</sup>
Water absorption (24h)	0.16 %



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