

Perfection in motion.

Product:

Lip Seal HPS - Automotive Water Pump Seal

The Lip Seal HPS (*High Pressure Sleeve*) for automotive water pump applications is an optimized lip seal with high pressure support features and optimized sealing materials to reduce wear and friction under extreme conditions.

Due to a modular design the LS-HPS is available for standard automotive water pump shaft and bore dimensions.

Operation conditions:

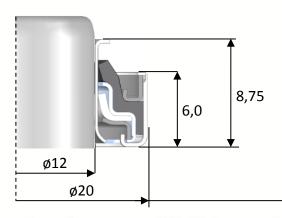
Item	Range	Unit
Medium	Coolant / water solution	[-]
Coolant Mixture	40 - 60	%
Pressure - nominal	0 till 0,5	MPa.g
Pressure – peak	-0,1 till 0,6	MPa.g
Temperature - nominal	-20 till +120	°C
Temperature - peak	-40 till +140	°C
Speed - nominal	0 - 8.000	Min ⁻¹
Speed – peak	15.000	Min ⁻¹
Elastomer materials	HNBR / PTFE	[-]

Assembly dimensions:

Item	Range	Unit
Shaft diameter	8/12	mm
Shaft roughness	6,3	μmRz
Shaft hardness	n.a.	[-]
Bore diameter	20 /30	mm
Bore roughness	≤1,6	μmRa
Total height	8,75	mm
Mounting depth	6/6,6	mm

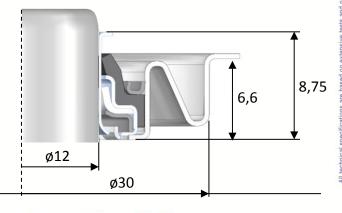


LS-HPS 1220





LS-HPS 1230



Developing small things that make a big difference.

Wever, means that they can serve only as united value