

Product:

ALS - Automotive Climate Compressor Sealing

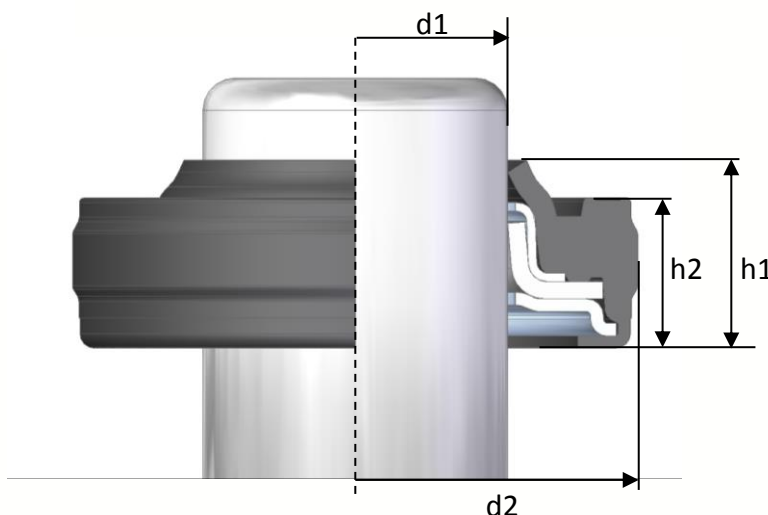
The ALS (*Air-conditioning Lip Seal*) is a rotary shaft lip seal for automotive climate compressors. EKK seals are known in the application for its outstanding robustness and quality. Its unique design with a combination of rubber and PTFE sealing can seal perfectly in R134 and R1234YF refrigerant and covers a large operating range. Perfection in material, process and design makes this seal a well-established, cost effective sealing solution for automotive climate compressors which is highly appreciated by our customers.

Operation conditions:

Item	Range	Unit
Medium	R134a / R1234yf & Compressor Oil	[-]
Pressure – dynamic	0 till 0,7	MPa.g
Pressure – static	-0,1 till 3,0	MPa.g
Temperature	-40 till +150	°C
Speed	8 10.000	m/s min ⁻¹
Elastomer materials	HNBR / PTFE	[-]

Assembly dimensions:

Item	Abbr.	Range	Unit
Shaft diameter	d1	12,7 – 25	mm
Bore diameter	d2	22,9 – 40	mm
Total height	h1	8,6 – 15,2	mm
Mounting height	h2	6,2 – 11	mm
Shaft specification		0,2 – 0,6	µmRa
No machine lead			



All technical specifications are based on extensive tests and our many years of experience. The diversity of possible applications, however, means that they can serve only as guide values. We must be notified of the exact conditions of application before we can provide any guarantee for a specific case. This is subject to change.

Developing small things that make a big difference.