

Product:

AMS-R744 - Automotive Climate Compressor Sealing

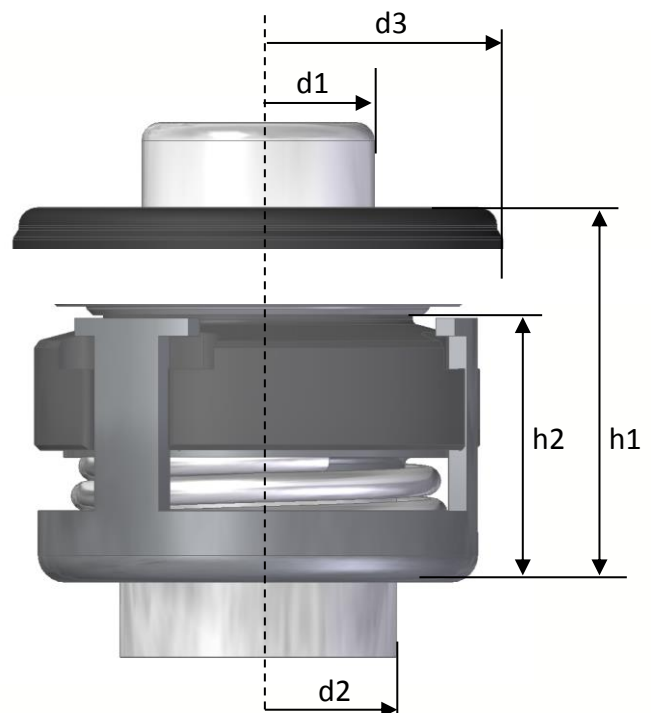
The AMS-R744 (*Aircon Mechanical Seal - CO₂ refrigerant*) is a rotary shaft seal for automotive climate compressors developed to meet the demanding performance conditions correlating to the usage of CO₂ refrigerant. The seal uses high performance materials, especially designed to meet extreme low permeation and leakage requirements. This product is a future proof sealing solution for automotive air conditioning compressors.

Operation conditions:

Item	Range	Unit
Medium	R744 & Compressor Oil	[-]
Pressure – dynamic	-0,1 till 7,0	MPa.g
Pressure - static	13,0	MPa.g
Temperature	-40 till +165	°C
Speed – nominal	0 – 9.000	min ⁻¹
Speed – peak	11.000	min ⁻¹

Assembly dimensions:

Item	Abbr.	Range	Unit
Shaft diameter	d1	13,0	mm
Two flat of case	d2	15,5	mm
Bore diameter	d3	27	mm
Mounting height	h1	21,5	mm
Height rotary part	h2	15,5	mm



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.