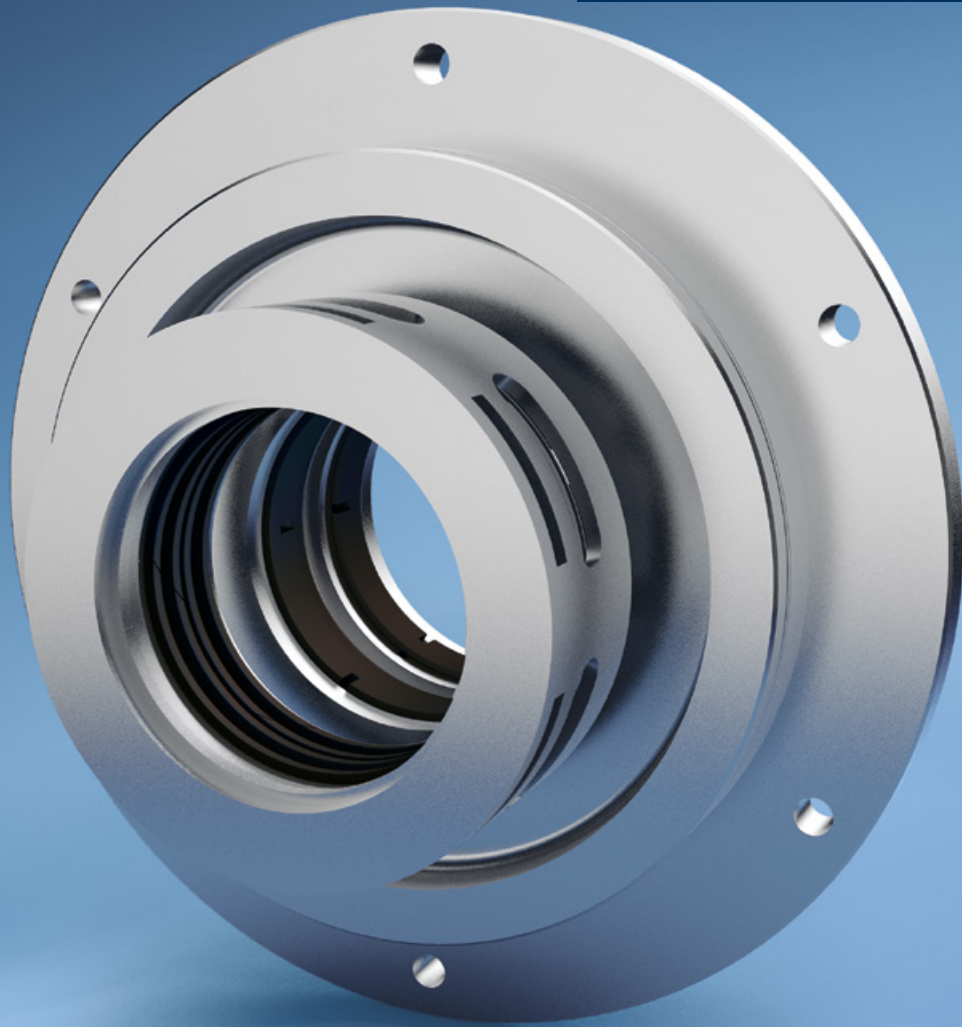


STASSKOL



OIL WIPER PACKING

HIGHLY EFFECTIVE OIL WIPING
INCREASE IN OPERATING HOURS OF PISTON COMPRESSORS
COST SAVING BY REDUCING OIL CONSUMPTION

Our oil wiper packings are designed and manufactured for all reciprocating compressor configurations, including horizontal, vertical, 'V' and 'W' type. The primary function of the wiper packing is to prevent the transfer of lubrication oil from the crankcase into the distance piece. In order to achieve this, very accurate manufacturing of the wiper edges is necessary to scrape the oil from the rod and sufficient drainage within the ring and wiper case design allows oil to flow back into the crankcase.

Standard Oil Wiper Packing SOSS

These oil wiper packings are exclusively applied in crosshead type machines. The figure on the front shows the standard oil wiper packing in combination with a buffer gas unit. The SOSS can be used flexibly in piston compressors of various makes and also in existing housings.

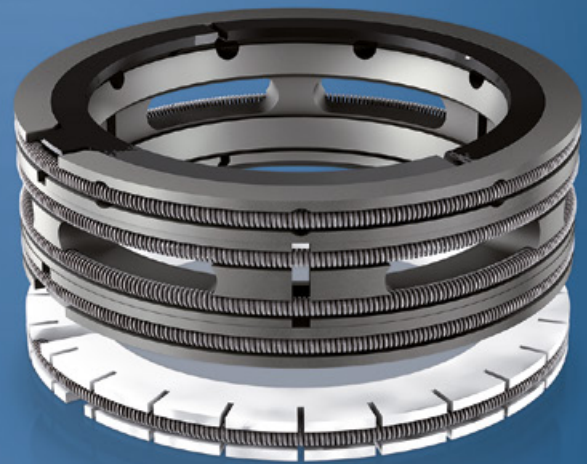
The standard oil wiper packing consists of two chambers, a pre-wiper ring, and two oil wiper elements. The pre-wiper ring and the oil wiper elements are designed as multi-piece rings and are loaded onto the piston rod by a garter spring to provide enough force to ensure a good sealing contact is maintained at all times.

Patented BOSS

The Balanced Oil Sealing Solution (BOSS oil wiper packing) is an innovative scraper design, developed and patented by STASSKOL with registration number EP 3 093 537 B1. The BOSS oil wiper packing is characterized by a high scraping efficiency and tightness due to its design, which reduces both oil and gas leakages to a minimum.

The two main scrapers of the BOSS are combined and work in conjunction with special designed tension ring giving an axial load which keeps the sealing surfaces tight against the wiper gland. The pre-scraper ring blocks the first oil flush and the remaining oil is effectively removed from the piston rod by the main scraper rings.

In addition, our own grades of PEEK and PTFE materials are used to manufacture the scraper rings, these specially developed materials have no abrasive fillers and therefore will not damage the surface of the piston rod.



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