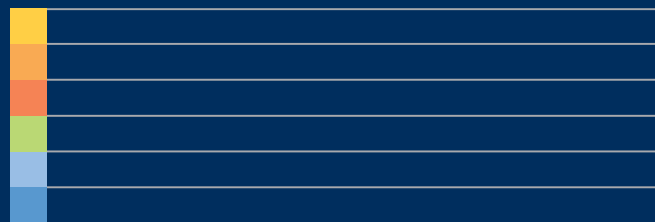
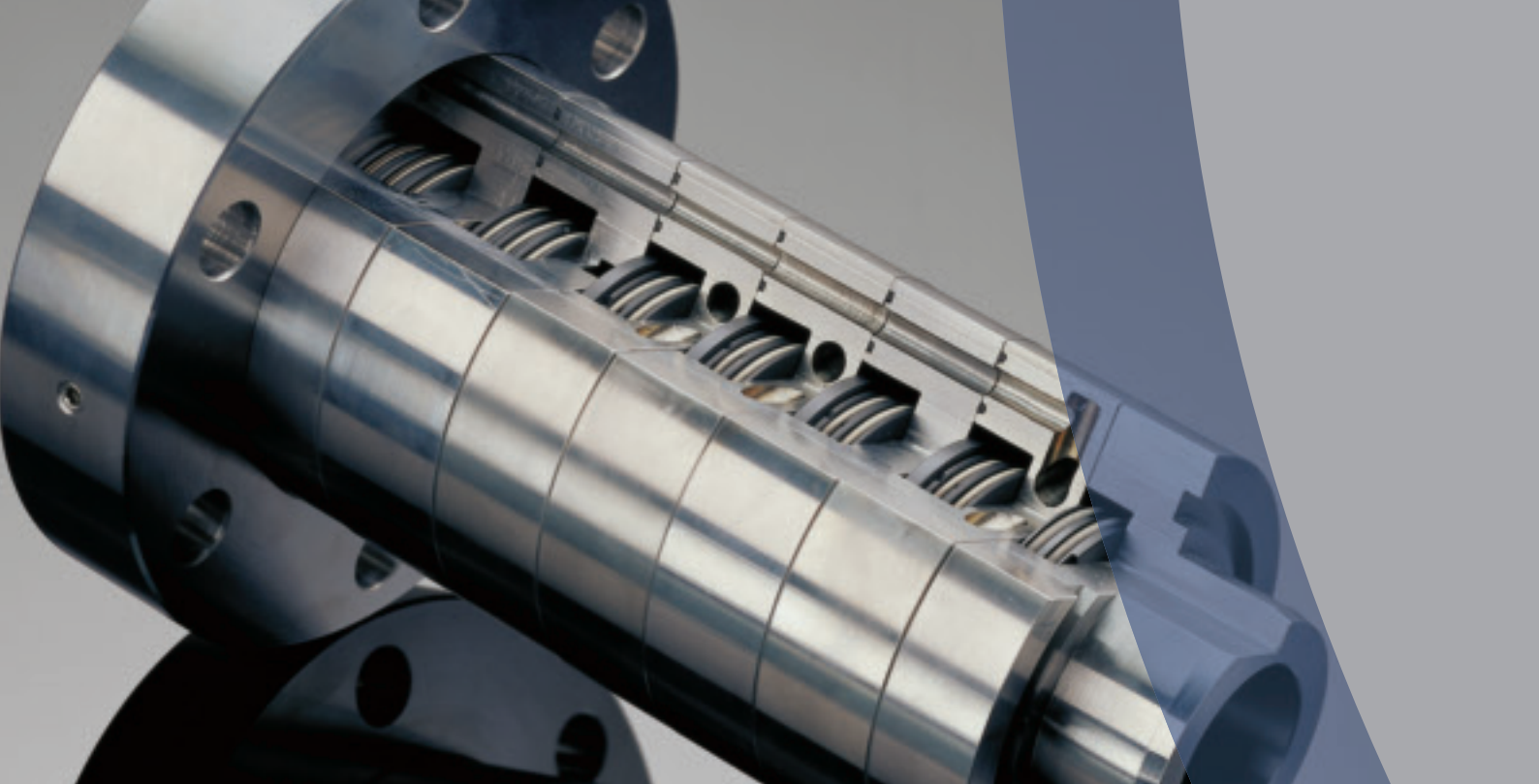


**STASS  
KOL**

## **Piston Rod Sealings**

- Extension of lifespan
- API Compliance
- Reduction of Leakage
- Application of Latest Materials





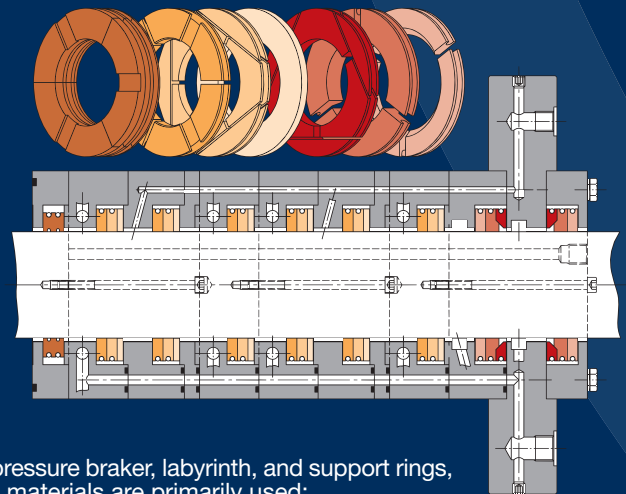
## PISTON ROD SEALINGS

Our range of piston rod sealings covers all possible uses in piston compressors.

We manufacture piston rod sealings for dry running operations as well as for lubricated operations, both as cooled or non-cooled version.

All our designs can be delivered with additional connections for leakage gas, barrier gas, purge gas, and temperature monitoring, all adjusted to the operating conditions.

The choice of materials is made according to the operating conditions required.



For sealing, pressure braker, labyrinth, and support rings, the following materials are primarily used:

- PTFE-compounds (with appropriate fillers)
- PEEK (with appropriate fillers)
- Synthetic coals
- Gray cast iron, white metal, bronze and sintered metals

For flange and cases

- Rusts and acid-resistant steels
- Alloyed steels, bronze, gray cast iron

A piston rod sealing itself consists of the sealing elements, the case and the flange. The sealing elements have direct contact to the piston rods and are used in pairs. The ring segmentations can differ.

An individual, multi-sectional ring is held together as a unit by a circulating tube spring. The ring segments are marked by a serial number. In order to prevent shock overloads, the pairs of rings are locked together using pins.

Primary sealing rings can be supplemented by: Pressure braker, labyrinth rings, guide bushings, support rings, oil wiper rings and, if necessary, o-rings. In general, these sealing ring partners are described as "sets of inner parts".

The case of a piston rod sealing accommodates the above mentioned sealing elements and usually consists of angular

chambers. The chambers with the integrated sealing elements are held against the base of the piston rod sealing chamber (cylinder mounting room) by means of the flange, also frequently called stuffing box gland.

Anchor bolts hold together inner parts, chambers and the flange. All of those are usually delivered as collet units.

Due to the size of the lantern room window, the piston rod sealing is frequently manufactured in several collet units.

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