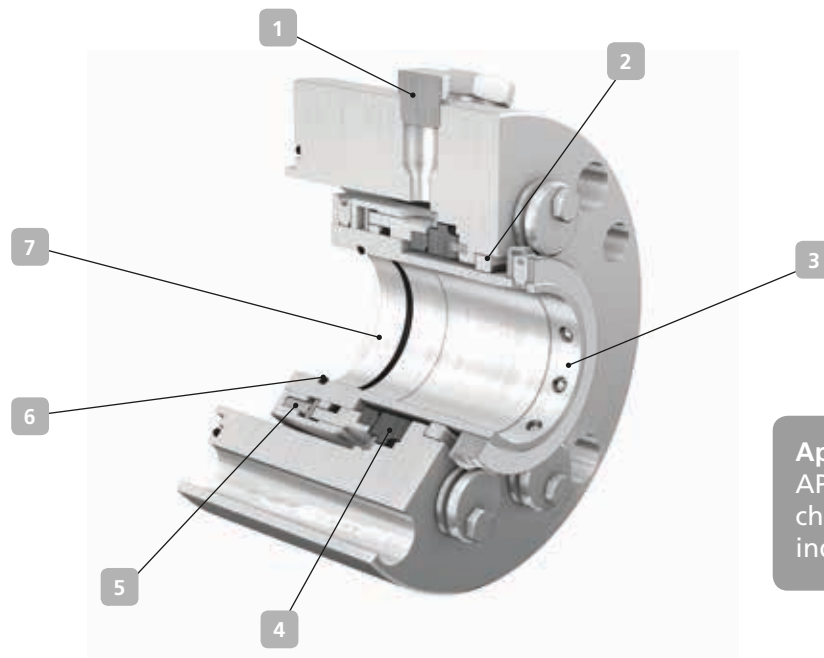


## 4KSBM6S – mechanical seals to API 682, 3<sup>rd</sup> Edition



**Applications:**  
API 682 applications in the  
chemical and petrochemical  
industries

### Arrangement 1 Contacting, single, product-lubricated and balanced cartridge seal

- 1 Configurable flange connections**  
For API Plans 11, 12, 21, 22, 31, 32, 41 + 61 (62)  
and 23 + 61 (62).
- 2 Fixed throttling bush**  
Optionally floating.
- 3 Three strong torque transmitting elements**  
For transmitting the rotation and for vibration damping.
- 4 Seal face material**  
Combination of hard and soft materials, e.g. silicon  
carbide and carbon graphite, which is highly resistant  
to blistering.
- 5 Multi-spring arrangement**  
Made of C276 alloy.

- 6 Rotating flexible elements**  
With O-ring as secondary seal.
- 7 Optional cooled gland packing chamber**  
(Plan 02) and connections for Plan 23 with  
high-efficiency pumping ring.

#### Technical description

Category	II or III
Type	A
Arrangement	1
Design	Cartridge
Additional information	Various wear part kits available, see ZN3307

#### Technical data

Shaft diameter	Up to 110 mm
Pressure	Up to 42 bar
Temperature	-10 to 176 °C
Bearing bracket (seal size)	B02 (050), B03 (060), B05 (079), B06 (100)
Sliding velocity	Up to 23 m/s

#### Materials

Standard	AQ2VMG or AQ2KMG
	Other material combinations on request

The indicated limit conditions are not absolute limits, but should be considered when calculating P\*V. Other conditions than specified above can be approved on request.