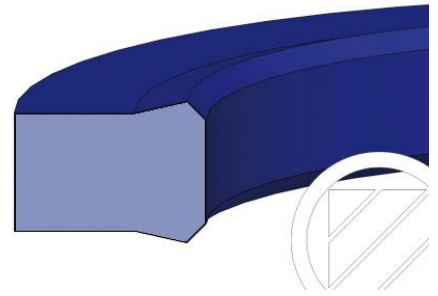


# SAE FLANGE SEAL



## FLAN 89

SAE J 518 flange seal

## DESCRIPTION

**Product group:** FLA flange seal

**Design:** N symmetrical flange seal

**Profile no.:** 89

**Material:** TPU 93

## OPERATIONAL APPLICATION LIMITS

Pressure (MPa):  $\leq 42$

Temperature (°C): -30 to + 100

## MEDIA

- Hydraulic oils as per DIN 51524 Part 1 – 3
- Mineral oil based lubricants and greases
- Non-flammable hydraulic pressure fluids HFA, HFB, HFC as per VDMA 24317

## FUNCTION

The FLAN 89 is designed to provide static sealing for SAE flanges and is compressed axially within the installation housing.

## APPLICATION

The FLAN 89 is used to seal SAE flanges. SAE flanges as per SAE J 518 are used for the widest variety of hydraulic applications, e.g., in the fields of mobile and heavy hydraulics. SAE J 518 flanges belong to the group of static hydraulic pressure connections and are frequently used as pipe flanges and valve-block flanges.

## BENEFITS

TPU seals are very robust and are distinguished by

- a low degree of residual pressure deformation
- a high degree of resistance to abrasion
- a high degree of resistance to extrusion
- a long service life
- a high degree of functional reliability
- simplicity of installation
- the ability to be used even with rougher surfaces
- can replace O-rings and square cross-section rings

## INSTALLATION

The flange seal can be fitted into the axially accessible installation housing by hand. Care should be taken to ensure that the upper surface of the installation housing is dry during installation and that edges are free of burrs. Radii and chamfers must be finished correspondingly.

