

# FLANGE SEAL FLAN89



The flange seal FLAN89, which is made of blue-colored TPU, was designed for the static sealing of SAE J 518 flanges.

## DIMENSIONS

The currently available dimensions can be found on our website [dichtomatik.fst.com](http://dichtomatik.fst.com) or on our online ordering platform **EASY**.

Following dimensions are available from stock.

Tube size	Ø DN	Specifications (mm)
½"	13	17 x 25,4 x 2,85
¾"	19	23,4 x 31,8 x 2,85
1"	25	31,3 x 39,7 x 2,85
1 ¼"	32	36,1 x 44,5 x 2,85
1 ½"	38	45,4 x 53,8 x 2,85
2"	51	55 x 63,4 x 2,85
2 ½"	64	67,8 x 76,2 x 2,85
3"	76	83,55 x 91,95 x 2,85

## CHARACTERISTICS

Operating limits	
Temperature limits (°C)	-30 to +100
Pressure (MPa)	to 60
Media resistance	<ul style="list-style-type: none"> <li>Hydraulic oils in acc. with DIN 51524 (1-3)</li> <li>Petroleum-based lubricating greases and oils</li> <li>Fire retardant hydraulic fluids HFA, HFB, HFC in accordance with VDMA 24317</li> </ul>

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## Installation

The flange seal is easily mountable manually in an axially accessible installation space. Design measurements, radii and chamfers must be carried out in accordance with the SAE J 518 standard. It must be ensured that the surface of the installation space is clean and dry, and that edges are burr-free.

## APPLICATION

SAE J 518 flanges are a tried-and-tested, leakage-free connection technology. The SAE flange seal FLAN89 is used primarily in mobile and stationary hydraulic systems:

- Injection molding machines
- Earth-moving machines
- Machine tools
- Agricultural equipment
- Materials-handling technology

## YOUR ADVANTAGES AT A GLANCE

- Thermoplastic polyurethane (TPU) is distinguished by its high abrasion and extrusion resistance and a low compression set
- High functional reliability due to the seal geometry
- Usable at relatively high levels of surface roughness
- Exchangeable with O-Rings and four-edge rings
- Easy mounting