



### General

The flange seal FL06 is a symmetric, spring energized seal for axial sealing applications. The geometry is leant against profile PRS19C.

### Features

- ⇒ Especially designed for pressure from inside.
- ⇒ Preload effected through Helicoil-spring which ensures high pressure on the sealing lips.
- ⇒ Excellent static and dynamic sealing performance.
- ⇒ Excellent sealing performance in low and high pressure ranges.
- ⇒ Wide application ranges - Especially suitable for gas and vacuum applications.
- ⇒ Simple mounting.
- ⇒ Compact and simple grooves.

### Application

Static sealing (e.g. flanges), chemical industry, Oil&Gas, aviation, rotary joints

### NOTE:

inside diameter is limited to about 27mm minimum and cross section of 10mm maximum. For dimensions out of the limits production from 2 sides or special tools might be necessary!

### Installation

Snap-in installation

### Seal housing recommendation

Tolerances	[mm]	
L	+ 0.2	
∅ NA	H 8	
∅ NI	f 8	
Surface Rouges	Rtmax [μ]	Ra [μ]
Bottom of groove	≤ 6.3	≤ 1.6
Face of groove	≤ 15	≤ 3
Sliding surface	Rtmax [μ]	Ra [μ]
PU, elastomeres	≤ 2.5	≤ 0.1-0.5
PTFE	≤ 2	≤ 0.05-0.3

