



### **General**

The flange seal FL07 is a symmetric, spring energized seal for axial sealing applications. The geometry is leant against profile PRS19C.

### **Features**

- ⇒ Especially designed for pressure from outside.
- ⇒ 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:**

The inside diameter is limited to about 15mm minimum. The cross section should not exceed 10mm. For dimensions out of the limits production from 2 sides or special tools might be necessary!

### **Installation**

Snap-in installation

### **Seal housing recommendation**

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

### **Profile description**

***Flange Seal  
FL07***

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