



### **Function**

V-Rings are designed to axially seal bearings against dirt, dust, water, etc. in rotating machinery. The V-Ring itself rotates with the shaft.

### **Features**

- ⇒ Rotary seal, designed with interference on the ID which provides a good static fit on the shaft and ensures the seal rotates with the shaft.
- ⇒ Axial dynamic sealing lip vertical to the rod.
- ⇒ Small contact pressure of the sealing lip that enables also "dry running".
- ⇒ Low friction on the sealing lip - decreasing with the rotation speed as a result of the centrifugal force.
- ⇒ Little abrasion and long lifetime.
- ⇒ Ensurance of sealing also at excentric rods or rod misalignments.
- ⇒ Pressure must be avoided.

### **Application**

Slow and fast rotating shafts.

Secondary sealing element for preventing the primary seal (f.e. OS01).

Max. pressure 0 bar, max. speed 25 m/s.

### **Installation**

Pull-over installation.

#### **Seal housing recommendation**

| <b>Tolerances</b>      | <b>[mm]</b>      |               |
|------------------------|------------------|---------------|
| ∅ NA                   | H 12             |               |
| ∅ NI                   | h 11             |               |
|                        |                  |               |
| <b>Sliding surface</b> | <b>Rtmax [μ]</b> | <b>Ra [μ]</b> |
|                        | ≤ 12             | ≤ 2.5         |

#### **Profile description**

***Rotary Seal***  
***VR07***