

# AMS13

**SECTORS:**



**CHARACTERISTICS:**

- Unbalanced.
- System attached to the shaft by allen screws.
- Not dependent on the rotation direction.

**OPERATING LIMITS:**

$d_1 = 20$  to  $100$  mm     $p = 12$  kg/cm<sup>2</sup>  
 $v = 20$  m/s                 $t = -40$  to  $+200^\circ\text{C}^{(*)}$

(\*) The temperature resistance depends on the material of the secondary seals used.

The operating limits are defined by the PV factor which is determined for the sealing system characteristics and those of the application.

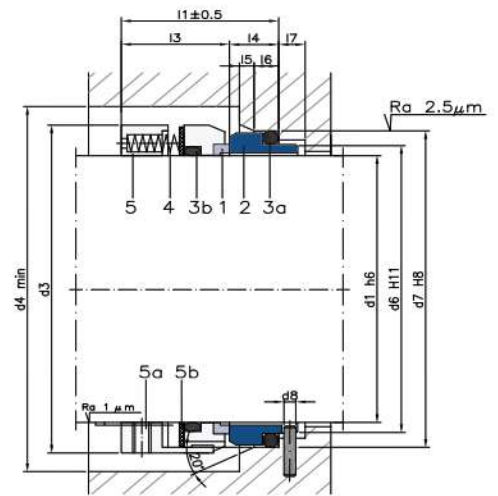
**DESCRIPTION:**

The contact surface of the rotating part can be detached, which makes this model extremely versatile as it is easy to exchange contact surfaces made of different materials.

Seal compliant with standard EN 12756.

**COMPONENTS:**

- 1 Rotating contact surface
- 2 Stationary contact surface
- 3 O-rings
- 3a O-rings
- 4 Springs
- 5 Metal frame
- 5a Set screws
- 5b Ring



**DIMENSIONS CHART**    Dimensions in mm

| Shaft<br>mm | Rotary part    |                |                | Stationary part |                |                |                |                |                |                | Total length<br>l <sub>1</sub> |
|-------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------------|
|             | d <sub>3</sub> | d <sub>4</sub> | l <sub>3</sub> | d <sub>6</sub>  | d <sub>7</sub> | d <sub>8</sub> | l <sub>4</sub> | l <sub>5</sub> | l <sub>6</sub> | l <sub>7</sub> |                                |
| 20          | 34             | 36             | 27.5           | 29.0            | 35.0           | 3.0            | 10.0           | 2.0            | 5.0            | 9.0            | 37.5                           |
| 22          | 36             | 38             | 27.5           | 31.0            | 37.0           | 3.0            | 10.0           | 2.0            | 5.0            | 9.0            | 37.5                           |
| 24          | 38             | 40             | 30.0           | 33.0            | 39.0           | 3.0            | 10.0           | 2.0            | 5.0            | 9.0            | 40.0                           |
| 25          | 39             | 41             | 30.0           | 34.0            | 40.0           | 3.0            | 10.0           | 2.0            | 5.0            | 9.0            | 40.0                           |
| 28          | 42             | 44             | 32.5           | 37.0            | 43.0           | 3.0            | 10.0           | 2.0            | 5.0            | 9.0            | 42.5                           |
| 30          | 44             | 46             | 32.5           | 39.0            | 45.0           | 3.0            | 10.0           | 2.0            | 5.0            | 9.0            | 42.5                           |
| 32          | 46             | 48             | 32.5           | 42.0            | 48.0           | 3.0            | 10.0           | 2.0            | 5.0            | 9.0            | 42.5                           |
| 33          | 47             | 49             | 32.5           | 42.0            | 48.0           | 3.0            | 10.0           | 2.0            | 5.0            | 9.0            | 42.5                           |
| 35          | 49             | 51             | 32.5           | 44.0            | 50.0           | 3.0            | 10.0           | 2.0            | 5.0            | 9.0            | 42.5                           |
| 38          | 54             | 58             | 34.0           | 49.0            | 56.0           | 4.0            | 11.0           | 2.0            | 6.0            | 9.0            | 45.0                           |
| 40          | 56             | 60             | 34.0           | 51.0            | 58.0           | 4.0            | 11.0           | 2.0            | 6.0            | 9.0            | 45.0                           |
| 43          | 59             | 63             | 34.0           | 54.0            | 61.0           | 4.0            | 11.0           | 2.0            | 6.0            | 9.0            | 45.0                           |
| 45          | 61             | 65             | 34.0           | 56.0            | 63.0           | 4.0            | 11.0           | 2.0            | 6.0            | 9.0            | 45.0                           |
| 48          | 64             | 68             | 34.0           | 59.0            | 66.0           | 4.0            | 11.0           | 2.0            | 6.0            | 9.0            | 45.0                           |
| 50          | 66             | 70             | 34.5           | 62.0            | 70.0           | 4.0            | 13.0           | 2.5            | 6.0            | 9.0            | 47.5                           |
| 53          | 69             | 73             | 34.5           | 65.0            | 73.0           | 4.0            | 13.0           | 2.5            | 6.0            | 9.0            | 47.5                           |
| 55          | 71             | 75             | 34.5           | 67.0            | 75.0           | 4.0            | 13.0           | 2.5            | 6.0            | 9.0            | 47.5                           |
| 58          | 78             | 83             | 39.5           | 70.0            | 78.0           | 4.0            | 13.0           | 2.5            | 6.0            | 9.0            | 52.5                           |
| 60          | 80             | 85             | 39.5           | 72.0            | 80.0           | 4.0            | 13.0           | 2.5            | 6.0            | 9.0            | 52.5                           |
| 63          | 83             | 88             | 39.5           | 75.0            | 83.0           | 4.0            | 13.0           | 2.5            | 6.0            | 9.0            | 52.5                           |
| 65          | 85             | 90             | 39.5           | 77.0            | 85.0           | 4.0            | 13.0           | 2.5            | 6.0            | 9.0            | 52.5                           |
| 68          | 88             | 93             | 37.5           | 81.0            | 90.0           | 4.0            | 15.0           | 2.5            | 7.0            | 9.0            | 52.5                           |
| 70          | 90             | 95             | 45.0           | 83.0            | 92.0           | 4.0            | 15.0           | 2.5            | 7.0            | 9.0            | 60.0                           |
| 75          | 99             | 104            | 45.0           | 88.0            | 97.0           | 4.0            | 15.0           | 2.5            | 7.0            | 9.0            | 60.0                           |
| 80          | 104            | 109            | 44.5           | 95.0            | 105.0          | 4.0            | 15.5           | 3.0            | 7.0            | 9.0            | 60.0                           |
| 85          | 109            | 114            | 44.5           | 100.0           | 110.0          | 4.0            | 15.5           | 3.0            | 7.0            | 9.0            | 60.0                           |
| 90          | 114            | 119            | 49.5           | 105.0           | 115.0          | 4.0            | 15.5           | 3.0            | 7.0            | 9.0            | 65.0                           |
| 95          | 119            | 124            | 49.5           | 110.0           | 120.0          | 4.0            | 15.5           | 3.0            | 7.0            | 9.0            | 65.0                           |
| 100         | 124            | 129            | 49.5           | 115.0           | 125.0          | 4.0            | 15.5           | 3.0            | 7.0            | 9.0            | 65.0                           |

Dimensions subject to changes or modifications.