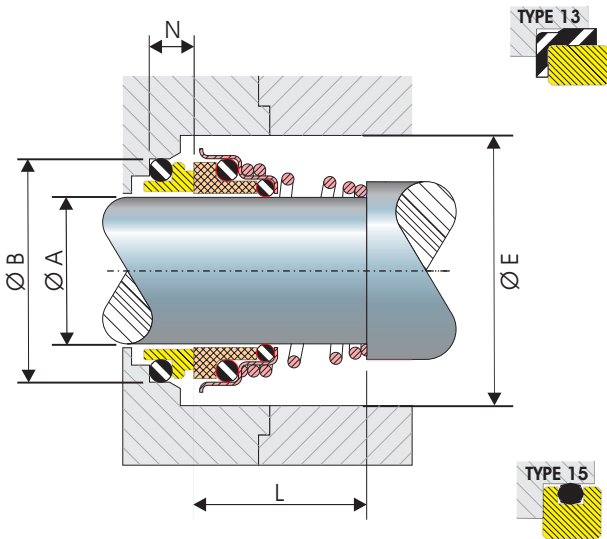


# LINE "AE"



## CHARACTERISTICS

### Applications:

VAZEL mechanical seal Line "AE" is used in pumps and european equipment.

### Design:

Mechanical seal with o´ring for a dinamic sealing, not balanced, with stainless steel 304 series metallic parts, and a conical single spring that can adjust to the shaft for hauling the seal.

### Materials:

|  |          |                     |   |
|--|----------|---------------------|---|
|  | <b>1</b> | Metallic parts..... | 304 & 316 Stainless Steel                           |
|  | <b>2</b> | Springs.....        | 304 & 316 Stainless Steel                           |
|  | <b>3</b> | Faces.....          | Alumina, Silicon Carbide, Tungsten Carbide          |
|  | <b>4</b> | Packing.....        | Nitrile, Viton®, E.P.R.                             |
|  | <b>5</b> | Seal.....           | Graphite Carbon, Silicon Carbide, Tungsten Carbide. |

## Dimentions

| A     | B     | E     | L     | N     |
|-------|-------|-------|-------|-------|
| ±0.05 | ±0.05 | ±0.38 | ±0.38 | ±0.38 |
| 10    | 18.10 | 20.00 | 15.00 | 5.50  |
| 11    | 20.60 | 22.00 | 18.00 | 5.50  |
| 12    | 20.60 | 22.00 | 18.00 | 5.50  |
| 13    | 23.10 | 25.00 | 22.00 | 6.00  |
| 14    | 23.10 | 25.00 | 22.00 | 6.00  |
| 15    | 26.90 | 29.00 | 23.00 | 7.00  |
| 16    | 26.90 | 29.00 | 23.00 | 7.00  |
| 17    | 26.90 | 29.00 | 23.00 | 7.00  |
| 18    | 30.90 | 33.00 | 24.00 | 8.00  |
| 19    | 30.90 | 33.00 | 25.00 | 8.00  |
| 20    | 30.90 | 33.00 | 25.00 | 8.00  |
| 21    | 35.40 | 38.00 | 25.00 | 8.00  |
| 22    | 35.40 | 38.00 | 25.00 | 8.00  |
| 23    | 35.40 | 38.00 | 27.00 | 8.00  |
| 24    | 35.40 | 38.00 | 27.00 | 8.00  |
| 25    | 38.20 | 40.00 | 27.00 | 8.50  |
| 28    | 43.30 | 46.00 | 30.00 | 9.00  |
| 29    | 43.30 | 46.00 | 30.00 | 9.00  |
| 30    | 43.30 | 46.00 | 30.00 | 9.00  |
| 32    | 43.30 | 46.00 | 30.00 | 9.00  |
| 33    | 53.50 | 48.00 | 39.00 | 11.50 |
| 35    | 53.50 | 50.00 | 39.00 | 11.50 |
| 38    | 60.50 | 58.00 | 39.00 | 11.50 |
| 40    | 60.50 | 58.00 | 39.00 | 11.50 |

NOTE: All measurements are in inches.

## OPERATIONAL LIMITS

| OPERATION   | LIMITS                             |
|-------------|------------------------------------|
| SHAFT SPEED | hasta 49.2 ft/seg*                 |
| PRESSURE    | 145 PSI (10.2 kg/cm <sup>2</sup> ) |

\*Depending on shaft´s diameter

## INSTALLATION CRITERIA

| SHAFT                  | LIMITS             |
|------------------------|--------------------|
| SURFACE FINISH         | 32 a 63 Ra         |
| OUT OF ROUNDNESS       | ± 0.051mm / 0.002" |
| EXTREME AXIAL MOVEMENT | ± 0.013mm / 0.005" |

## TEMPERATURE LIMITS

