

# AS18 / AS19

**SECTORS:**



**CHARACTERISTICS:**

- Unbalanced.
- Single conical Spring
- Dependent on the rotation direction.

**OPERATING LIMITS:**

$d_r = 10 \text{ to } 80 \text{ mm}$      $p = 10 \text{ kg/cm}^2$   
 $v = 20 \text{ m/s}$              $t = -20 \text{ to } +200^\circ\text{C} (*)$

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

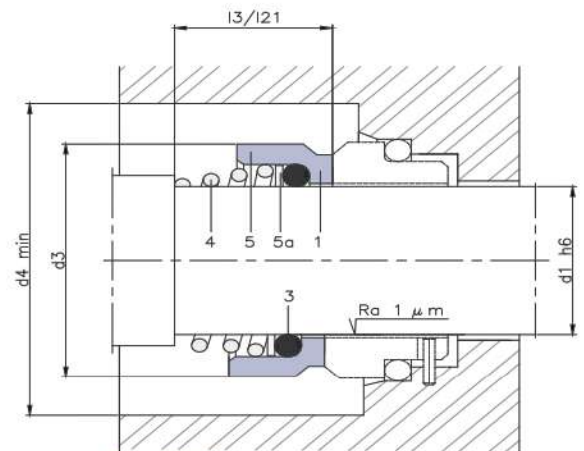
The operating limits are defined by the PV factor which is determined for the sealing system characteristics and those of the application.

**DESCRIPTION:**

Single mechanical seal with an extremely versatile and functional design. The rotating part of the seal can be combined with a large variety of stationary parts, which offers a wide range of combinations. Its structure allows secondary seals made of different materials to be used: FKM, Aflas®, FFKM, FEP, NBR, HNBR and materials complying with special standards such as FDA, USP, EC, etc.

**COMPONENTS:**

- 1 Rotating contact surface
- 3 O-rings
- 4 Springs
- 5 Metal frame
- 5a Ring



Type AS18: Working length of rotating part  $l_3$  .  
 Type AS19: Working length of rotating part  $l_{21}$ .

**DIMENSIONS CHART AS18 / AS19**    Dimensions in mm

Shaft mm	Rotary part				
	$d_3$	$d_4$	$l_3$	$d_1$	$l_{21}$
10	19	24	15.5		15.5
12	21	26	16		15.5
14	23	28	16.5		15.5
15	24	29	-		15.5
16	26	31	18		17.5
18	29	34	19.5		18.5
20	31	36	22		20
22	33	38	21.5		21.5
24	35	40	23.5		23
25	36	41	26.5		24.5
26	37	42	-		24.5
28	40	45	26.5		24.5
30	43	48	26.5		24.5
32	46	51	28.5		28
33	47	52	28.5		-
35	49	54	28.5		28
38	53	58	33.5		31
40	56	61	36		34
42	59	64	-		35
43	59	64	38.5		-
45	61	66	39.5		36.5
48	64	69	46		42
50	66	71	45		43
53	69	74	47		-
55	71	76	49		47
58	76	81	55		50
60	78	83	55		51
63	83	88	55		-
65	84	89	55		52
68	88	93	55		53
70	90	95	57		54
75	98	103	62		55
80	100	105	61.8		58

Dimensions subject to changes or modifications.