

AFH / AFHC

SECTORS:



CHARACTERISTICS:

- Unbalanced.
- Single conical spring.
- Dependent on the rotation direction
- Exchangeable Contact Surfaces.

OPERATING LIMITS:

$d_1 = 10$ to 100 mm $p = 10$ kg/cm²

$v = 20$ m/s $t = -20$ 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:

A general-purpose single, robust seal in which the contact surfaces can be exchanged with each other. It can be used in industrial applications for clean fluids with low viscosities or with a low content of suspended solids that tend to produced sediments or adhere to the seal.

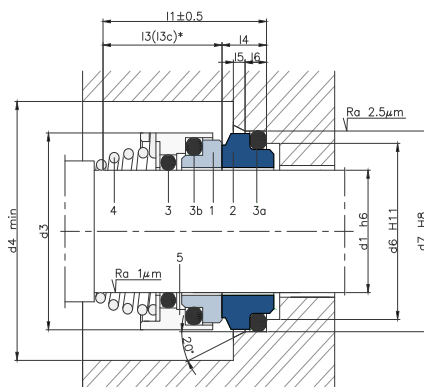
Types:

FH6: secondary seals made of PTFE.

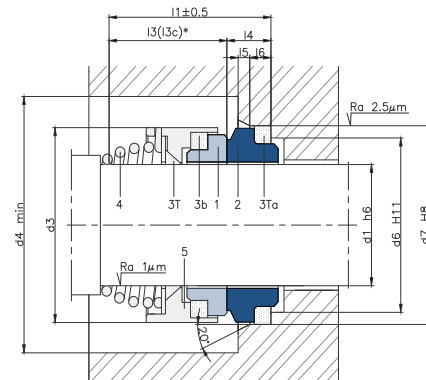
FHC: same structure as FH but the length is I3C.

COMPONENTS:

- 1 Rotating contact surface
- 2 Stationary contact surface
- 3 O-rings
- 3a O-rings
- 3b O-rings
- 3T PTFE wedge
- 3Ta PTFE gasket
- 4 Springs
- 5 Metal frame



TYPE AFH



TYPE AFHC

DIMENSIONS CHART Dimensions in mm

Shaft	Rotary part				Stationary part					Total length
mm	d_3	d_4	l_3	l_{3c}	d_6	d_7	l_4	l_5	l_6	l_1
10	20	22	20	15	14.0	18.1	5.5	1.2	3	25.5
12	22	25	22	18	16.5	20.6	5.5	1.2	3	27.5
14	25	28	27	22	19.0	23.1	6.0	1.2	3	33.0
15	29	32	27	22	21.0	26.9	7.0	1.5	4	34.0
16	29	32	28	23	21.0	26.9	7.0	1.5	4	35.0
18	33	36	30	24	25.0	30.9	8.0	1.5	4	38.0
20	33	36	30	25	25.0	30.9	8.0	1.5	4	38.0
22	38	41	30	25	30.0	35.4	8.0	2.0	4	38.0
24	38	41	32	27	30.0	35.4	8.0	2.0	4	40.0
25	40	45	33	27	33.0	38.2	8.5	2.0	4	41.5
26	40	45	33	27	33.0	38.2	8.5	2.0	4	41.5
28	46	50	36	29	38.0	43.3	9.0	2.0	4	45.0
30	46	50	37	30	38.0	43.3	9.0	2.0	4	46.0
32	46	50	37	30	38.0	43.3	9.0	2.0	4	46.0
34	56	62	48	39	45.0	53.5	11.5	2.0	6	59.5
35	56	62	48	39	45.0	53.5	11.5	2.0	6	59.5
36	56	62	48	39	45.0	53.5	11.5	2.0	6	59.5
38	63	70	48	39	52.0	60.5	11.5	2.0	6	59.5
40	63	70	48	39	52.0	60.5	11.5	2.0	6	59.5
42	63	70	48	39	52.0	60.5	11.5	2.0	6	59.5
43	63	70	48	41	52.0	60.5	11.5	2.0	6	59.5
45	69	75	51	41	57.0	65.5	11.5	2.0	6	62.5
48	69	75	51	41	57.0	65.5	11.5	2.0	6	62.5
50	76	83	55	45	64.0	72.5	11.5	2.0	6	66.5
55	76	83	57	47	64.0	72.5	11.5	2.0	6	68.5
60	84	90	61	49	72.0	79.3	11.5	2.0	6	72.5
65	89	96	63	51	77.0	84.5	11.5	2.0	6	74.5
70	94	101	63	51	82.0	89.5	11.5	2.0	6	74.5
75	100	106	68	57	87.0	94.5	11.5	2.0	6	79.5
80	105	111	70	59	92.0	99.5	11.5	2.0	6	81.5
85	115	125	72	59	98.0	105.5	13.5	2.5	6	85.5
90	120	132	75	62	105	111.5	13.5	2.5	6	88.5
95	126	137	75	62	110	116.5	13.5	2.5	6	88.5
100	130	143	85	75	114	119.5	13.5	2.5	6	98.5

Dimensions subject to changes or modifications.