

# AMS14

**SECTORS:**



**CHARACTERISTICS:**

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

**OPERATING LIMITS:**

$d_1 = 18$  to  $100$  mm     $p = 14$  kg/cm<sup>2</sup>  
 $v = 15$  m/s                 $t = -15$  to  $+200^\circ\text{C}$  (\*)

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

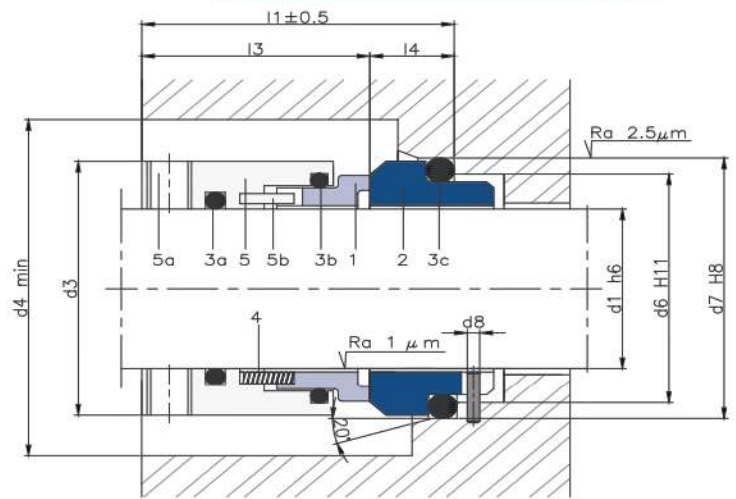
The operating limits are defined by the PV factor which is determined for the sealing system characteristics and those of the application.

**DESCRIPTION:**

The springs are not in contact with the fluid. Ideal for working with particle-laden fluids in which standard designs tend to become blocked. Internally balanced, with no need for a stepped shaft. Suitable for working in applications with high pressures. The O-ring resting on the shaft does not cause wear as there is no axial movement (changes in pressure).

**COMPONENTS:**

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



**DIMENSIONS CHART**    Dimensions in mm

Shaft mm	Rotary part			Stationary part				Total length 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>	
18	33	36	32	27	33	3	13.5	45.5
20	35	38	32	29	35	3	13.5	45.5
22	37	40	32	31	37	3	13.5	45.5
24	39	42	32	33	39	3	13.3	45.3
25	40	43	32	34	40	3	13.0	45.0
28	43	46	32	37	43	3	12.5	44.5
30	45	48	32	39	45	3	12.0	44.0
32	47	50	42	42	48	3	12.0	54.0
33	48	51	42	42	48	3	12.0	54.0
35	50	53	42	44	50	3	12.0	54.0
38	55	58	42	49	56	3	13.0	55.0
40	57	60	42	51	58	3	13.0	55.0
43	60	63	42	54	61	4	13.0	55.0
45	62	65	42	56	63	4	13.0	55.0
48	65	68	42	59	66	4	13.0	55.0
50	67	70	42	62	70	4	13.5	55.5
53	70	73	42	65	73	4	13.5	55.5
55	72	75	42	67	75	4	13.5	55.5
58	79	82	42	70	78	4	13.5	55.5
60	81	84	42	72	80	4	13.5	55.5
65	86	89	42	77	85	4	13.5	55.5
68	89	92	42	81	90	4	13.5	55.5
70	91	94	42	83	92	4	14.5	56.5
75	99	102	48	88	97	4	14.5	62.5
80	104	107	48	95	105	4	15.0	63.0
85	109	112	48	100	110	4	15.0	63.0
90	114	117	48	105	115	4	15.0	63.0
95	119	122	48	110	120	4	15.0	63.0
100	124	127	48	115	125	4	15.0	63.0

**DIMENSIONS CHART**    For Imperial Shaft Sizes

Shaft (") mm	Rotary part			Stationary part				Total length l <sub>1</sub>
	d <sub>3</sub>	d <sub>4</sub>	l <sub>3</sub>	d <sub>6</sub>	d <sub>7</sub>	l <sub>4</sub>		
0.750 19.05	34	37	32	29.9	34.9	6.6	38.6	
0.875 22.23	36	39	32	33.1	38.1	6.6	38.6	
1.000 25.40	39	42	32	36.3	41.3	6.6	38.6	
1.125 28.58	43	46	32	39.5	44.5	6.6	38.6	
1.250 31.75	46	49	32	42.6	47.6	6.6	38.6	
1.375 34.93	49	52	32	45.8	50.8	6.6	38.6	
1.500 38.10	54	57	32	47.6	54	7.5	39.5	
1.625 41.28	57	60	32	53.9	60.3	8.2	40.2	
1.750 44.45	60	63	42	57.1	63.5	8.2	50.2	
1.875 47.63	64	67	42	60.3	66.7	8.2	50.2	
2.000 50.80	67	70	42	63.5	69.9	8.2	50.2	
2.125 53.98	70	73	42	69.8	76.2	9.5	51.5	
2.250 57.15	73	76	42	73	79.4	9.5	51.5	
2.375 60.33	76	79	42	76.2	82.6	9.5	51.5	
2.500 63.50	79	82	42	79.3	85.7	9.5	51.5	
2.625 66.68	83	86	42	79.3	85.7	9.5	51.5	
2.750 69.85	92	95	42	82.5	88.9	9.5	51.5	
2.875 73.03	95	98	42	85.3	95.3	11.3	53.3	
3.000 76.20	98	101	42	88.4	98.4	11.3	53.3	
3.125 79.38	101	104	42	91.6	101.6	14.3	56.3	
3.250 82.55	104	107	42	94.8	104.8	14.3	56.3	
3.375 85.73	107	110	42	98	108	14.3	56.3	
3.500 88.90	111	114	42	101.1	111.1	14.3	56.3	
3.625 92.08	114	117	42	104.3	114.3	14.3	56.3	
3.750 95.25	117	120	48	107.5	117.5	14.3	62.3	
3.875 98.43	120	123	48	110.7	120.7	14.3	62.3	
4.000 101.60	123	126	48	113.8	123.8	14.3	62.3	

Dimensions subject to changes or modifications.