

AMS20B / AMS20BT

SECTORS:



CHARACTERISTICS:

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

OPERATING LIMITS:

$d_1 = 14$ to 100 mm $p = 60$ kg/cm²
 $v = 25$ m/s $t = -15$ to $+200^\circ\text{C}$ (*)

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

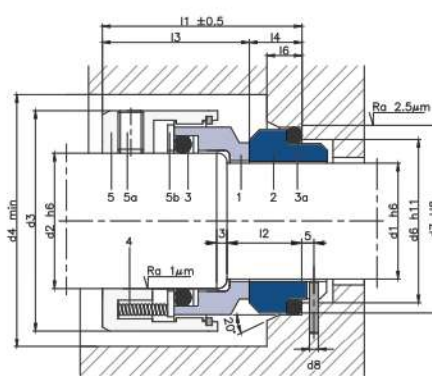
The operating limits are defined by the PV factor which is determined for the sealing system characteristics and those of the application.

DESCRIPTION:

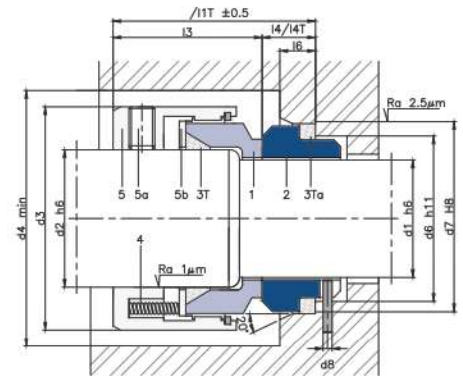
The balanced contact surface design allows the mechanical seal to be used in applications with high pressures without suffering premature wear. The set of springs placed around the contact surface of the rotating part generates a more uniform load than in models with a single spring. It can be supplied with PTFE wedge for highly aggressive chemicals with high temperatures. Seal compliant with standard EN 12756 (KB).

COMPONENTS:

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



TYPE AMS20B



TYPE AMS20BT

DIMENSIONS CHART Dimensions in mm

Shaft mm	Rotary part				Stationary part							Total length mm
	d ₂	d ₃	d ₄	l ₃	d ₆	d ₇	d ₈	l ₂	l ₄ /l _{4T}	l ₆	l ₇	
14	18	32	34	30.5	21	25	3	18	12	5.5	8.5	42.5
16	20	34	36	30.5	23	27	3	18	12	5.5	8.5	42.5
18	22	36	38	31.5	27	33	3	20	13.5	7	9	45
20	24	38	40	31.5	29	35	3	20	13.5	7	9	45
22	26	40	42	31.5	31	37	3	20	13.5	7	9	45
24	28	42	44	34.2	33	39	3	20	13.3	7	9	47.5
25	30	44	46	34.5	34	40	3	20	13	7	9	47.5
28	33	47	49	37.5	37	43	3	20	12.5	7	9	50
30	35	49	51	38	39	45	3	20	12	7	9	50
32	38	54	58	38	42	48	3	20	12	7	9	50
33	38	54	58	38	42	48	3	23	12	7	9	50
35	40	56	60	38	44	50	3	23	12	7	9	50
38	43	59	63	39.5	49	56	4	23	13	8	9	52.5
40	45	61	65	39.5	51	58	4	23	13	8	9	52.5
43	48	64	68	39.5	54	61	4	23	13	8	9	52.5
45	50	66	70	39.5	56	63	4	23	13	8	9	52.5
48	53	69	73	39.5	59	66	4	23	13	8	9	52.5
50	55	71	75	44	62	70	4	25	13.5	8.5	9	57.5
53	58	78	83	44	65	73	4	25	13.5	8.5	9	57.5
55	60	80	85	44	67	75	4	25	13.5	8.5	9	57.5
58	63	83	88	49	70	78	4	25	13.5	8.5	9	62.5
60	65	85	90	49	72	80	4	25	13.5	8.5	9	62.5
65	70	90	95	49	77	85	4	25	13.5	8.5	9	62.5
70	75	95	104	55.5	83	92	4	28	14.5	9.5	9	70
75	80	104	109	55.5	88	97	4	28	14.5	9.5	9	70
80	85	109	114	55	95	105	4	28	15	10	9	70
85	90	114	119	60	100	110	4	28	15	10	9	75
90	95	119	124	60	105	115	4	28	15	10	9	75
95	100	124	129	60	110	120	4	28	15	10	9	75
100	105	129	134	60	115	125	4	28	15	10	9	75

Dimensions subject to changes or modifications.

DIMENSIONS CHART For Imperial Shaft Sizes

Shaft (")	mm	Rotary part				Stationary part					Total length	
		d ₂ (")	d ₂ mm	d ₃	d ₄	l ₃	d ₆	d ₇	l ₄	l _{4T}	l ₁	l _{1T}
0.875	22.23	1.000	25.40	39.67	41.67	33.32	36.3	41.3	6.6	11.1	39.92	44.42
1.000	25.40	1.125	28.58	42.85	44.85	34.93	39.5	44.5	6.6	11.1	41.53	46.03
1.125	28.58	1.250	31.75	47.63	35.75	34.93	42.6	47.6	6.6	11.1	41.53	46.03
1.125	28.58	1.375	34.93	50.8	38.93	36.5	45.8	50.8	6.6	11.1	43.1	47.6
1.250	31.75	1.500	38.10	53.98	42.10	36.5	47.6	54	7.5	11.1	44	47.6
1.375	34.93	1.625	41.28	60.33	45.28	44.45	53.9	60.3	8.2	12.7	52.65	57.15
1.500	38.10	1.750	44.45	63.5	48.45	44.45	57.1	63.5	8.2	12.7	52.65	57.15
1.625	41.28	1.875	47.63	66.68	51.63	44.45	60.3	66.7	8.2	12.7	52.65	57.15
1.750	44.45	2.000	50.80	69.85	54.80	44.45	63.5	69.9	8.2	12.7	52.65	57.15
1.875	47.63	2.125	53.98	76.2	58.98	52.37	69.8	76.2	9.5	14.3	61.87	66.67
2.000	50.80	2.250	57.15	79.38	62.15	52.37	73	79.4	9.5	14.3	61.87	66.67
2.125	53.98	2.375	60.33	82.55	65.33	52.37	76.2	82.6	9.5	14.3	61.87	66.67
2.250	57.15	2.500	63.50	85.73	68.50	52.37	79.3	85.7	9.5	14.3	61.87	66.67
2.375	60.33	2.625	66.68	88.9	71.68	52.37	79.3	85.7	9.5	15.9	61.87	68.27
2.500	63.50	2.750	69.85	92.08	74.85	52.37	82.5	88.9	9.5	15.9	61.87	68.27
2.625	66.68	2.875	73.03	95.25	78.03	52.37	85.3	95.3	11.3	15.9	63.67	68.27
2.750	69.85	3.000	76.20	96.82	81.20	52.37	88.4	98.4	11.3	15.9	63.67	68.27
2.875	73.03	3.125	79.38	100	84.38	52.37	91.6	101.6	14.3	19.8	66.67	72.17
3.000	76.20	3.250	82.55	104.78	87.55	52.37	94.8	104.8	14.3	19.8	66.67	72.17
3.125	79.38	3.375	85.73	107.95	90.73	52.37	98	108	14.3	19.8	66.67	72.17
3.250	82.55	3.500	88.90	111.13	93.90	52.37	101.1	111.1	14.3	19.8	66.67	72.17
3.375	85.73	3.625	92.08	114.3	97.08	52.37	104.3	114.3	14.3	19.8	66.67	72.17
3.500	88.90	3.750	95.25	117.48	100.25	52.37	107.5	117.5	14.3	19.8	66.67	72.17
3.625	92.08	3.875	98.43	120.65	103.43	52.37	110.7	120.7	14.3	19.8	66.67	72.17
3.750	95.25	4.000	101.60	123.83	106.60	52.37	113.8	123.8	14.3	19.8	66.67	72.17