



## US MG12

**Mechanical seals | Mechanical seals for pumps | Elastomer bellow seals**



### APPLICATIONS:

- PULP & PAPER INDUSTRY
- PETROCHEMICAL INDUSTRY
- FOOD & BEVERAGE INDUSTRY
- SUGAR INDUSTRY
- CHEMICAL INDUSTRY
- WATER, WASTE WATER, SLURRIES
- OIL INDUSTRY

### FEATURES:

- FOR PLAIN SHAFTS
- SINGLE SEAL & DUAL SEAL
- ELASTOMER BELLOWS ROTATING
- BALANCED
- INDEPENDENT OF DIRECTION OF ROTATION

### MATERIALS:

- SEAL FACE: CARBON GRAPHITE, ANTIMONY IMPREGNATED, CARBON GRAPHITE RESIN IMPREGNATED, SILICON CARBIDE
- SEAT: SILICON CARBIDE
- ELASTOMER: NBR, EPDM, FKM, NBR
- METAL PARTS: CrNiMo STEEL, HASTELLOY





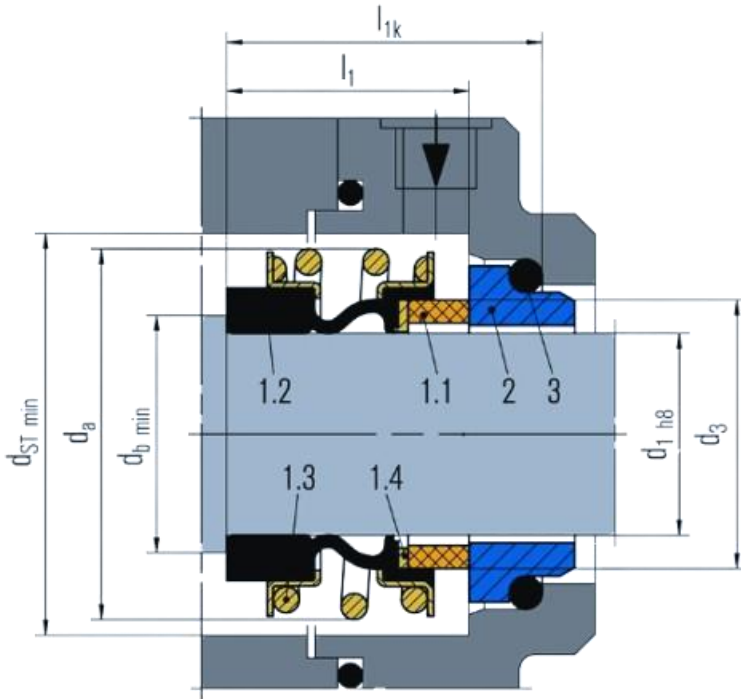
# UNIQUE SEAL Engineering Co.

### OPERATING RANGE

PRESSURE
15 Kg

TEMPERATURE
- 10° C TO 150° C

SPEED
2900 rpm



### Item Description

- 1.1 Seal face
- 1.2 Bellows
- 1.3 Set of springs
- 1.4 PTFE disk
- 2 Seat
- 3 O-Ring or cup rubber





Dimensions (in mm):

d1	d3	d6	d7	d11	d12	da	db*)	dST	ls	l	l1	l1k	l2	l1N	l5	l6	l10	l12	l14	l15	l16	l28	R
14	19.7	21	25	20.5	24.6	27	17.5	28.5	15	17	28.4	35	-	-	1.5	4	7.5	6.5	5.6	1.2	3.8	6.6	1.2
15	20.8	-	-	20.5	24.6	28.5	18.5	30	15	17	-	-	-	-	-	-	-	7.5	6.6	1.2	3.8	-	1.2
16	21	23	27	22	28	28.5	19.5	30	15	17	28.4	35	33.4	40	1.5	4	7.5	8.5	7.5	1.5	5	6.6	1.5
18	23.7	27	33	24	30	32	21.5	33	17	19.5	30	37.5	-	-	2	5	8.5	9	8	1.5	5	7.5	1.5
20	26.7	29	35	29.5	35	37	24	38	19	21.5	30	37.5	-	-	2	5	8.5	8.5	7.5	1.5	5	7.5	1.5
22	27.7	31	37	29.5	35	37	26	38	19	21.5	30	37.5	37.5	45	2	5	8.5	8.5	7.5	1.5	5	7.5	1.5
24	31.2	33	39	32	38	42.5	28	44	19	22.5	32.5	40	-	-	2	5	8.5	8.5	7.5	1.5	5	7.5	1.5
25	31.2	34	40	32	38	42.5	29	44	19	23	32.5	40	-	-	2	5	8.5	8.5	7.5	1.5	5	7.5	1.5
28	35	37	43	36	42	49	32	50	23	26.5	35	42.5	42.5	50	2	5	8.5	10	9	1.5	5	7.5	1.5
30	37	39	45	39.2	45	49	34	50	23	26.5	35	42.5	-	-	2	5	8.5	11.5	10.5	1.5	5	7.5	1.5
32	40.2	42	48	42.2	48	53.5	36	55	23.5	27.5	35	42.5	-	-	2	5	8.5	11.5	10.5	1.5	5	7.5	1.5
33	40.2	42	48	44.2	50	53.5	37	55	23.5	27.5	35	42.5	-	-	2	5	8.5	12	11	1.5	5	7.5	1.5
35	43.2	44	50	46.2	52	57	40	59	24.5	28.5	35	42.5	-	-	2	5	8.5	12	11	1.5	5	7.5	1.5
38	46.2	49	56	49.2	55	59	43	61	25	30	36	45	46	55	2	6	10	11.3	10.3	1.5	5	9	1.5
40	48.8	51	58	52.2	58	62	45	64	25.5	30	36	45	-	-	2	6	10	11.8	10.8	1.5	5	9	1.5
43	51.8	54	61	53.3	62	65.5	48	67	25.5	30	36	45	-	-	2	6	10	13.2	12	2	6	9	2.5
45	53.8	56	63	55.3	64	68	50	70	25.5	30	36	45	-	-	2	6	10	12.8	11.6	2	6	9	2.5
48	56.8	59	66	59.7	68.4	70.5	53	74	26	30.5	36	45	51	60	2	6	10	12.8	11.6	2	6	9	2.5
50	58.8	62	70	60.8	69.3	74	55	77	26	30.5	38	47.5	-	-	2.5	6	10.5	12.8	11.6	2	6	9.5	2.5
53	62.2	65	73	63.8	72.3	78.5	58	81	29	33	36.5	47.5	-	-	2.5	6	12	13.5	12.3	2	6	11	2.5
55	64.2	67	75	66.5	75.4	81	60	83	30	35	36.5	47.5	59	70	2.5	6	12	14.5	13.3	2	6	11	2.5
58	67.2	70	78	69.5	78.4	85.5	64	88	31	37	-	-	-	-	2.5	6	12	14.5	13.3	2	6	11	2.5
60	70	72	80	71.5	80.4	88.5	66	91	32	38	41.5	52.5	59	70	2.5	6	12	14.5	13.3	2	6	11	2.5
65	75	77	85	76.5	85.4	93.5	71	96	34	40	41.5	52.5	-	-	2.5	6	12	14.2	13	2	6	11	2.5
68	78	81	90	82.7	91.5	96.5	74	100	34	40	-	-	-	-	2.5	7	12.5	14.9	13.7	2	6	11.3	2.5
70	80	83	92	83	92	99.5	76	103	34	40	48.7	60	-	-	2.5	7	12.5	14.2	13	2	6	11.3	2.5
75	85.5	88	97	90.2	99	107	81	110	34	40	48.7	60	-	-	2.5	7	12.5	15.2	14	2	6	11.3	2.5
80	90.5	95	105	95.2	104	112	86	116	34	40	48	60	-	-	3	7	13	16.2	15	2	6	12	2.5

