

# YT 610/612/613/614

EQUIVALENTS OF BURGMANN MG SERIES



## Technical features

- Single seal
- Unbalanced
- Single spring
- Bi-directional
- Elastomer bellows
- Equivalent to Burgmann MG1/MG12/MG13/MG1S20

## Operating limits

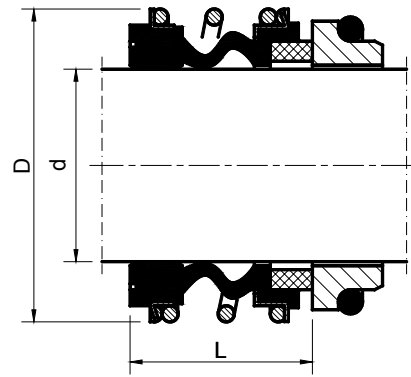
- $d_1 = 10 - 100 \text{ mm}$
- $p_1 = 1.2 \text{ MPa}$
- $t = -20 - 180 \text{ }^\circ\text{C}$
- $v_g = 10 \text{ m/s}$

## Materials

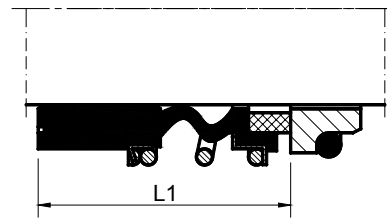
- Seal faces: silicon carbide, tungsten carbide, carbon graphite (resin-impreg.)
- Stationary seats: silicon carbide, alumina ceramic, carbon graphite (resin-impreg.), Cr-Mo steel
- Bellows: Neoprene, NBR, FPM, EPDM
- Springs, "L"-rings: AISI 304, 316, 316Ti
- Secondary seals: Neoprene, NBR, FPM, EPDM

## Stationary seats

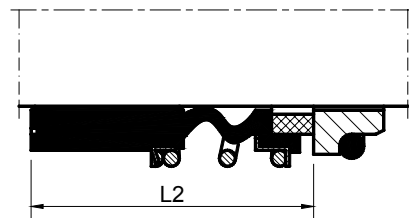
- G6, G60, G9, G606 (to DIN 24960)
- G4, G50



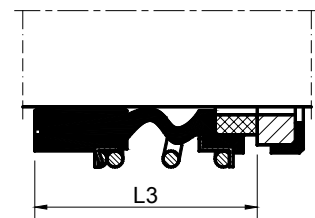
YT610



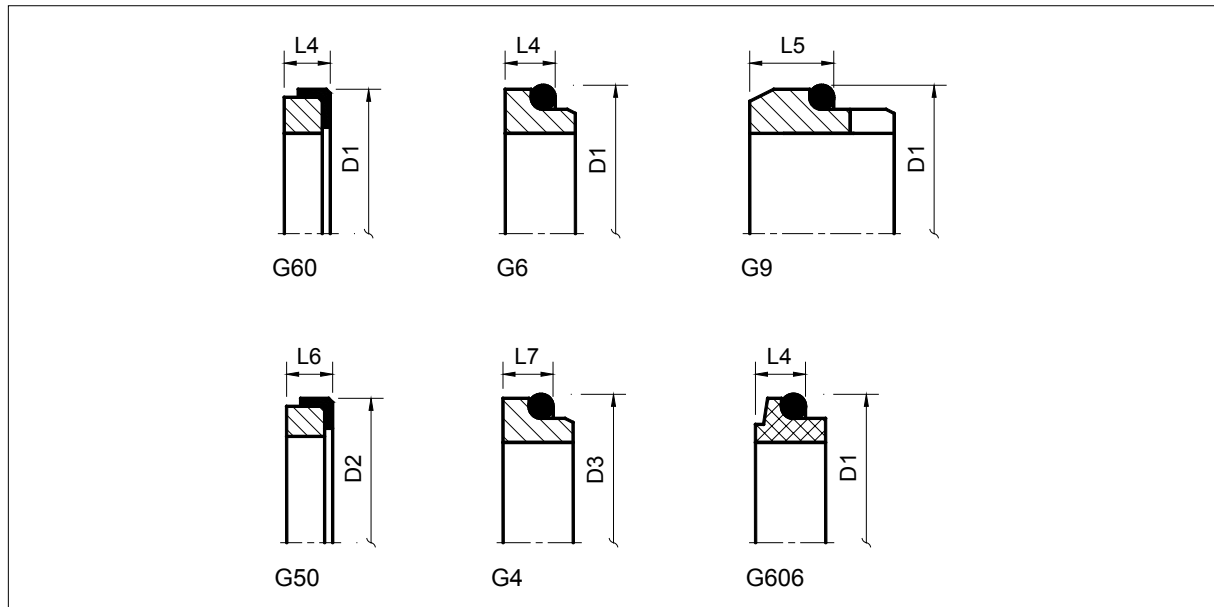
YT612



YT613



YT614



d	D	D1	D2	D3	L	L1	L2	L3	L4	L5	L6	L7
10	22.5	21	24.60	19.2	14.5	25.9	33.4	25.0	6.6	10.0	9.0	6.6
12	25.0	23	27.80	21.6	15.0	25.9	33.4	25.0	6.6	10.0	9.0	5.6
14	28.5	25	30.95	24.6	17.0	28.4	33.4	25.0	6.6	10.0	10.5	5.6
15	28.5	27	30.95	24.6	17.0	28.4	33.4	25.0	6.6	10.0	10.5	6.6
16	28.5	27	30.95	28.0	17.0	28.4	33.4	25.0	6.6	10.0	10.5	7.5
18	32.0	33	34.15	30.0	19.5	30.0	37.5	25.0	7.5	11.5	10.5	8.0
20	37.0	35	35.70	35.0	21.5	30.0	37.5	25.0	7.5	11.5	10.5	7.5
22	37.0	37	37.30	35.0	21.5	30.0	37.5	25.0	7.5	11.5	10.5	7.5
24	42.5	39	40.50	38.0	22.5	32.5	42.5	25.0	7.5	11.5	10.5	7.5
25	42.5	40	40.50	38.0	23.0	32.5	42.5	25.0	7.5	11.5	10.5	7.5
28	49.0	43	47.65	42.0	26.5	35.0	42.5	33.0	7.5	11.5	12.0	9.0
30	49.0	45	50.80	45.0	26.5	35.0	42.5	33.0	7.5	11.5	12.0	10.5
32	53.5	48	50.80	48.0	27.5	35.0	47.5	33.0	7.5	11.5	12.0	10.5
33	53.5	48	54.00	50.0	27.5	35.0	47.5	33.0	7.5	11.5	12.0	11.0
35	57.0	50	54.00	52.0	28.5	35.0	47.5	33.0	7.5	11.5	12.0	11.0
38	59.0	56	57.15	55.0	30.0	36.0	46.0	33.0	9.0	14.0	12.0	10.3
40	62.0	58	60.35	58.0	30.0	36.0	46.0	33.0	9.0	14.0	12.0	10.8
42	65.5	61	63.50	60.0	30.0	36.0	51.0	51.0	9.0	14.0	12.0	12.0
43	65.5	61	63.50	62.0	30.0	36.0	51.0	51.0	9.0	14.0	12.0	12.0
45	68.0	63	63.50	64.0	30.0	36.0	51.0	51.0	9.0	14.0	12.0	11.6
48	70.5	66	66.70	68.4	30.5	36.0	51.0	51.0	9.0	14.0	12.0	11.6
50	74.0	70	69.85	69.3	30.5	36.0	50.5	50.5	9.5	15.0	13.5	11.6
53	78.5	73	73.05	72.3	33.0	36.5	59.0	59.0	11.0	15.0	13.5	12.3
55	81.0	75	76.20	75.4	35.0	36.5	59.0	59.0	11.0	15.0	13.5	13.3
58	85.5	78	79.40	78.4	37.0	41.5	59.0	59.0	11.0	15.0	13.5	13.3
60	88.5	80	79.40	80.4	38.0	41.5	59.0	59.0	11.0	15.0	13.5	13.3
65	93.5	85	92.10	85.4	40.0	41.5	69.0	69.0	11.0	15.0	16.0	13.0
68	96.5	90	95.25	91.5	40.0	41.5	68.7	68.7	11.3	18.0	16.0	13.7
70	99.5	92	95.25	92.0	40.0	48.7	68.7	68.7	11.3	18.0	16.0	13.0
75	107.0	97	101.60	99.0	40.0	48.7	68.7	68.7	11.3	18.0	16.0	14.0
80	112.0	105	114.30	104.0	40.0	48.0	78.0	78.0	12.0	18.2	20.0	15.0
85	120.0	110	117.50	109.0	41.0	46.0	76.0	76.0	14.0	18.2	20.0	14.8
90	127.0	115	123.85	114.0	45.0	51.0	76.0	76.0	14.0	18.2	20.0	14.8
95	132.0	120	127.00	120.3	46.0	51.0	76.0	76.0	14.0	17.2	20.0	15.8
100	137.0	125	133.35	123.3	47.0	51.0	76.0	76.0	14.0	17.2	20.0	15.8

YT612 conforms to DIN 24960 L<sub>IK</sub> length standard; YT613 conforms to DIN 24960 L<sub>IN</sub> length standard.

Dimensions in mm.