



ROTEN						
TYPE R590 - R591						
d <sub>1</sub>	L+B	d <sub>3</sub>	d <sub>2</sub>	d <sub>6</sub>	d <sub>7</sub>	l <sub>4</sub>
25	38,9	41,3	28	41	53	16
28	39,7	44,5	31	44	56	16
32	40,5	47,7	35	48	59	16
35	40,5	50,8	38	51	61	16
38	40,5	54	41	58	68	16
40	40,5	57,2	43	60	72	16
45	41,3	60,4	48	65	78	16
48	41,3	63,5	51	68	81	16
50	42,1	66,7	53	70	82	16
55	42,1	69,9	58	75	94	16
60	43,7	76,2	63	85	98	16
65	44,5	82,6	68	90	107	16
70	45,3	88,9	73	91	111	16
75	47,7	96,9	78	94	114	16
80	47,7	101,6	83	98	116	16
85	47,7	108	88	104	124	16
90	47,7	111,2	93	110	130	16
95	47,7	117,5	98	114	133	16
100	47,7	123,9	103	123	143	16

Dimensions in mm.

TYPE R590 COMPONENTS	STANDARD MATERIALS
Metal Bellows	L3
Metalic parts	X1
Rotary seal ring	K1 R1 V1 V2 V3
Stationary seal ring	K1 R1
Gaskets	expanded graphite

TYPE R591 COMPONENTS	STANDARD MATERIALS
Metal Bellows	L3 DOUBLE PLY
Metalic parts	X1
Rotary seal ring	K1 R1 V1 V2 V3
Stationary seal ring	K1 R1
Gaskets	expanded graphite

is a welded metal bellows seal bidirectional that does not have an O-Ring but instead a special carbon packing gasket that enlarges the working temperature limits on high and low temperature. The bellows form gives a good balancing factor to the seal.

**MAX. WORKING CONDITIONS**

These depend on: ø shaft, pressure, speed, temperature and fluid to be sealed. See page 74.

- p ≤ 20 bar**
- t = -70 ÷ 350°C**
- v ≤ 15 m/s**

