

Limitations on Use

Pressure	< 20 bar
Velocity	< 1 m/s
Temperature	-30° bis +90°C

Media for Use

Air with or without lubrication, mineral oils or grease

Surface Finish

Surface	R _z	R _a
Sliding surface	2,5µm	0,6 µm
Base of housing	10 µm	1,6 µm
Sides of housing	10 µm	1,6 µm

Profile bearing length R_{mr} 50% up to 70%. Measurement on average depth c=0,25xR_z and reference line C_{ref} 5%

Lead in chamfer (min.)

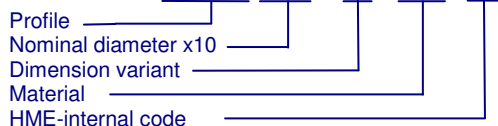
D / d	C	D / d	C
< 25	2,5	101-180	5,0
25-60	3,0	181-300	6,0
61-100	4,0	>300	7,5

d f9	D H10	h	E +0,2	D1	Part-No.
3,00	8,80	4,00	4,50	5,00	PA310 0030-01-255
4,00	7,00	2,20	2,70	6,00	PA310 0040-01-255
4,00	8,80	4,00	4,50	5,40	PA310 0040-02-255
5,00	8,00	2,20	2,70	6,20	PA310 0050-01-255
6,00	9,00	2,20	2,70	7,20	PA310 0060-01-255
6,00	10,80	4,00	4,50	8,00	PA310 0060-02-255
8,00	11,50	2,50	3,00	9,20	PA310 0080-01-255
8,00	12,80	4,00	4,50	10,00	PA310 0080-02-255
8,00	14,00	4,00	4,50	11,00	PA310 0080-03-255
10,00	14,00	2,80	3,20	11,40	PA310 0100-01-255
10,00	16,00	3,60	4,00	12,50	PA310 0100-02-255
10,00	16,80	4,00	4,50	13,00	PA310 0100-03-255
10,00	18,00	4,50	5,00	14,00	PA310 0100-04-255
12,00	16,50	3,20	3,70	13,70	PA310 0120-01-255
12,00	18,00	3,60	4,00	14,50	PA310 0120-02-255
12,00	20,00	3,20	3,70	16,00	PA310 0120-03-255
12,00	20,00	4,50	5,00	16,00	PA310 0120-04-255
12,00	20,00	5,00	5,50	16,00	PA310 0120-05-255
12,00	22,00	5,00	5,50	16,00	PA310 0120-06-255
14,00	18,50	3,20	3,70	15,70	PA310 0140-01-255
14,00	20,00	3,60	4,00	16,50	PA310 0140-02-255
14,00	22,00	4,50	5,00	18,00	PA310 0140-03-255
14,00	24,00	5,00	5,50	18,00	PA310 0140-04-255

d f9	D H10	h	E +0,2	D1	Part-No.
16,00	20,50	3,20	3,70	17,70	PA310 0160-01-255
16,00	22,00	3,60	4,00	18,50	PA310 0160-02-255
16,00	24,00	4,50	5,00	18,50	PA310 0160-03-255
16,00	26,00	5,00	5,50	20,00	PA310 0160-04-255
18,00	22,50	3,20	3,70	19,70	PA310 0180-01-255
18,00	24,00	3,60	4,00	20,50	PA310 0180-02-255
18,00	26,00	4,50	5,00	21,00	PA310 0180-03-255
18,00	28,00	5,00	6,00	22,00	PA310 0180-04-255
20,00	25,00	3,60	4,00	21,90	PA310 0200-01-255
20,00	26,00	3,60	4,00	22,50	PA310 0200-02-255
20,00	28,00	6,00	7,00	22,00	PA310 0200-01-255
20,00	30,00	6,00	7,00	24,00	PA310 0200-03-255
22,00	27,00	3,60	4,00	23,90	PA310 0220-01-255
22,00	28,00	3,60	4,00	24,50	PA310 0220-02-255
22,00	32,00	6,00	7,00	26,00	PA310 0220-03-255
25,00	30,00	3,60	4,00	26,90	PA310 0250-01-255
25,00	31,00	3,60	4,00	27,50	PA310 0250-02-255
25,00	35,00	6,00	7,00	29,00	PA310 0250-03-255
28,00	38,00	6,00	7,00	32,00	PA310 0280-01-255
30,00	35,50	3,90	4,50	32,10	PA310 0300-01-255
30,00	38,00	4,50	5,00	33,00	PA310 0300-02-255
30,00	40,00	6,00	7,00	34,00	PA310 0300-03-255
32,00	37,50	3,90	4,50	34,10	PA310 0320-01-255
32,00	40,00	4,50	5,00	35,00	PA310 0320-02-255
32,00	42,00	6,00	7,00	36,00	PA310 0320-03-255
35,00	45,00	6,00	7,00	39,00	PA310 0350-01-255
36,00	44,00	4,50	5,00	39,00	PA310 0360-01-255
36,00	46,00	6,00	7,00	40,00	PA310 0360-02-255
40,00	50,00	6,00	7,00	44,00	PA310 0400-01-255
45,00	53,00	4,50	5,00	48,00	PA310 0450-01-255
45,00	55,00	6,00	7,00	49,00	PA310 0450-02-255
50,00	62,00	7,50	8,50	55,00	PA310 0500-01-255

Ordering example

PA310 0400 - 01 - 255 -



Materials-code

255 – PU 90 Sh A
 250 – PU 85 Sh A

Instruction for installation:

To prevent any damage during mounting the seal eliminate any cutting edges and flash in the housing.