

### 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 <sub>z</sub>	R <sub>a</sub>
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<sub>m</sub> 50% up to 70%. Measurement on average depth c=0,25xR<sub>z</sub> and reference line C<sub>ref</sub> 5%

### Lead in chamfer (min.)

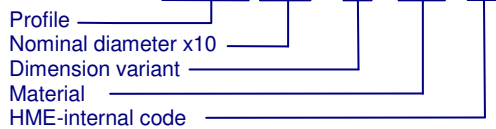
D / d	C	D / d	C
< 25	2,5	101-180	5,0
25-60	3,0	181-300	6,0
61-100	4,0	>300	7,5

d h10	D H11	h	E	D1	D2	<d1	Part-No.
6,00	10,00	3,40	3,70	6,50	8,00	4,50	PE270 0060-01-255
8,00	11,60	3,00	3,30	8,50	10,00	7,00	PE270 0080-01-255
9,50	15,00	4,00	4,50	10,00	12,00	8,00	PE270 0095-01-255
10,00	18,00	6,50	7,00	11,00	15,00	8,00	PE270 0100-01-255
12,00	18,00	4,30	4,80	13,00	15,50	10,00	PE270 0120-01-255
12,00	20,00	6,50	7,00	13,00	17,00	10,00	PE270 0120-02-255
14,00	22,00	6,50	7,00	15,00	19,00	12,00	PE270 0140-01-255
16,00	22,00	4,70	5,20	17,00	19,50	14,00	PE270 0160-01-255
16,00	24,00	6,50	7,00	17,00	21,00	14,00	PE270 0160-02-255
18,00	26,00	6,50	7,00	19,00	23,00	16,00	PE270 0180-01-255
20,00	28,00	6,50	7,00	21,00	24,00	17,50	PE270 0200-01-255
22,00	30,00	6,50	7,00	23,00	26,00	19,50	PE270 0220-01-255
25,00	33,00	6,50	7,00	26,00	29,00	22,50	PE270 0250-01-255
28,00	36,00	6,50	7,00	29,00	32,00	25,50	PE270 0280-01-255
30,00	40,00	6,50	7,00	31,50	35,00	27,50	PE270 0300-01-255
32,00	42,00	6,50	7,00	33,50	37,00	29,00	PE270 0320-01-255
36,00	46,00	6,50	7,00	37,50	41,00	33,00	PE270 0360-01-255
40,00	50,00	6,50	7,00	41,50	45,00	37,00	PE270 0400-01-255

h10	D H11	h	E	D1	D2	<d1	Part-No.
50,00	60,00	6,50	7,00	51,50	55,00	47,00	PE270 0500-01-255
57,00	74,00	12,00	12,50	60,00	65,00	54,00	PE270 0570-01-255
70,00	87,00	12,00	12,50	73,00	78,00	66,00	PE270 0700-01-255
78,00	95,00	12,00	12,50	81,00	86,00	74,00	PE270 0780-01-255

### Ordering example

PE270 0400 - 01 - 255 - ....



### Materials code

255 – PU 90 Sh A

200 – PU 93 Sh A

### Instruction for installation:

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