

Limitations on Use

Staic strength	36 N/mm ²
Velocity	< 1 m/s
Temperature	-40° bis +115°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.)

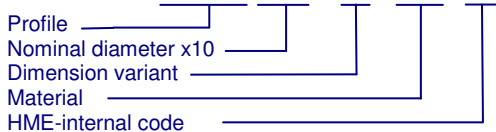
D / d	C	D / d	C
< 25	2,5	101-180	5,0
25-60	3,0	181-300	6,0
61-100	4,0	>300	7,5

D H11	d h7	E +0,2	Part-No.
8,00	4,90	2,50	PF451 0049-10-525
10,00	6,90	2,50	PF451 0069-10-525
10,00	6,90	4,00	PF451 0069-12-525
12,00	8,90	4,00	PF451 0089-12-525
14,00	10,90	4,00	PF451 0109-12-525
15,00	11,90	4,00	PF451 0119-12-525
16,00	12,90	4,00	PF451 0129-12-525
16,00	12,00	9,70	PF452 0120-16-525
18,00	14,90	4,00	PF451 0149-12-525
20,00	16,90	4,00	PF451 0169-12-525
20,00	16,00	8,20	PF452 0160-36-525
20,00	16,00	9,70	PF452 0160-16-525
22,00	18,00	9,70	PF452 0180-16-525
25,00	21,90	4,00	PF451 0219-12-525
25,00	21,00	8,20	PF451 0210-36-525
30,00	25,80	5,00	PF456 0258-62-525
30,00	26,00	8,20	PF452 0260-36-525
32,00	28,90	4,00	PF451 0289-12-525
32,00	28,00	5,00	PF452 0280-62-525
32,00	28,00	8,20	PF452 0280-36-525
35,00	31,00	8,20	PF452 0310-36-525
40,00	35,00	9,70	PF450 0350-16-525
40,00	36,00	8,20	PF452 0360-36-525
45,00	41,00	10,20	PF452 0410-38-525
50,00	46,00	5,20	PF452 0460-32-525

D H11	d h7	E +0,2	Part-No.
50,00	46,00	10,20	PF452 0460-38-525
50,00	47,00	12,00	PF457 0470-70-525
55,00	51,00	10,20	PF452 0510-38-525
58,00	54,00	10,20	PF452 0540-38-525
60,00	56,00	10,20	PF452 0560-38-525
63,00	59,00	10,20	PF452 0590-38-525
63,00	60,00	12,00	PF457 0600-70-525
65,00	61,00	10,20	PF452 0610-38-525
70,00	66,00	10,20	PF452 0660-38-525
75,00	71,00	15,20	PF452 0710-42-525
80,00	76,00	10,20	PF452 0760-38-525
80,00	76,00	15,20	PF452 0760-42-525
85,00	81,00	15,20	PF452 0810-42-525
90,00	86,00	15,20	PF452 0860-42-525
95,00	91,00	15,20	PF452 0910-42-525
100,00	96,00	10,20	PF452 0960-38-525
100,00	96,00	15,20	PF452 0960-42-525
105,00	101,00	20,30	PF452 1010-44-525
110,00	106,00	20,30	PF452 1060-44-525
115,00	111,00	20,30	PF452 1110-44-525
120,00	116,00	20,30	PF452 1160-44-525
125,00	121,00	25,20	PF452 1210-42-525
125,00	121,00	20,30	PF452 1210-44-525
130,00	126,00	20,30	PF452 1260-44-525
135,00	131,00	20,30	PF452 1310-44-525
140,00	136,00	20,30	PF452 1360-44-525
150,00	146,00	25,40	PF452 1460-46-525
160,00	155,00	15,00	PF450 1550-18-525
160,00	156,00	15,20	PF452 1560-42-525
180,00	176,00	25,40	PF452 1760-46-525
200,00	195,00	15,00	PF450 1950-18-525
200,00	196,00	20,30	PF452 1960-44-525
200,00	196,00	25,40	PF452 1960-46-525
220,00	216,00	30,50	PF452 2160-49-525
250,00	246,00	20,30	PF452 2460-44-525
250,00	246,00	30,50	PF452 2460-49-525

Ordering example

PF452 0180 – 16 – 525 -



Materials-code

525 – POM modified

Instruction for installation:

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