

ProfiSeal Bulkhead Seal 50 – 400 mm, full split design



Technical Features

dry running gap-seal

easy installation due to split housing and

split seal rings

allows high shaft speed

allowed radial shaft movement: +/- 5 mm

Optional

by applying a barrier gas to the bulkhead seal
(pressurized air etc.) a possible leakage can be
reduced to nearly zero, over a longer time period

Operating Limits

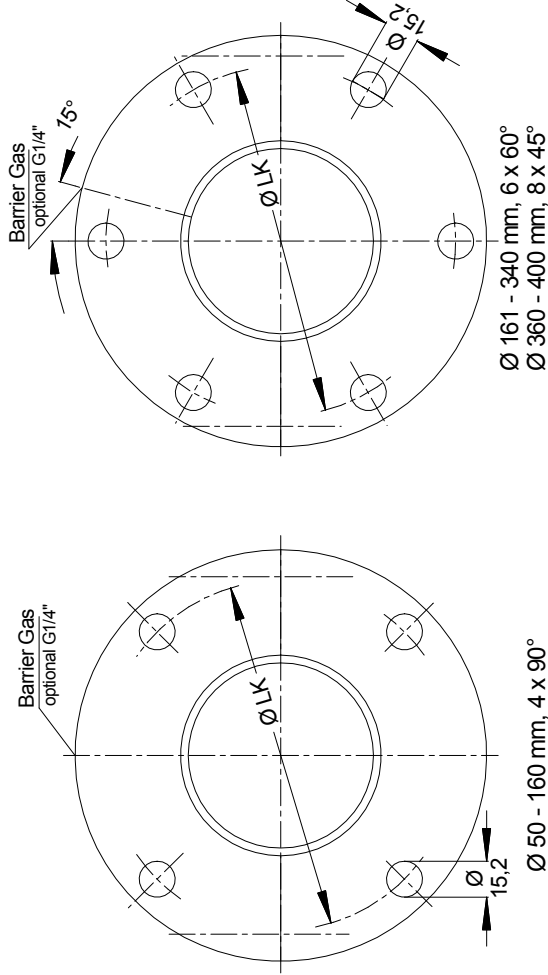
shaft diameter: 50 to 400 mm

temperature: 5° to + 70° C

operating pressure: max. 3 bar

gliding speed max: 40 m/s

Mounting Pattern and location of Supply (optional)



Ø d	Ø D	Ø PCD
50	170	140
60	180	150
70	190	160
80	200	170
90	210	180
100	220	190
110	230	200
120	240	210
130	250	220
140	260	230
150	270	240
160	280	250
170	290	260
180	300	270
190	310	280
200	320	290
220	340	310
240	360	330
260	380	350
280	400	370
300	420	390
320	440	410
340	460	430
360	480	450
380	500	470
400	520	490

Other Shaft diameters and Sizes on Request

Technical Features:

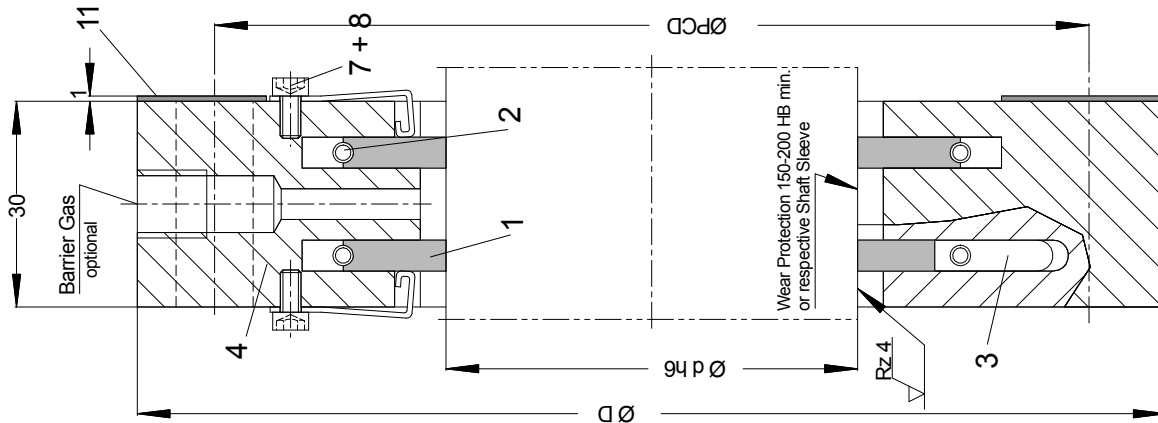
- Dry Running Gap-Seal
- Easy Installation due to split Housing and split Seal Rings
- Axial Movement theoretical unlimited (Length of Wear-protection)
- Radial Movement +/- 5 mm

Operating Limits:

- Shaft diameter (d): 50 ... 400 mm
- Pressure (p): max. 3 bar
- Temperature (t): -5 ... +70 °C
- Gliding Speed (v): max. 40 m/s

Optional:

By applying a Barrier Gas to the Bulkhead Seal (pressurized Air etc.) a possible Leakage can be reduced to nearly zero, over a longer time period.



POS:	DESCRIPTION / BENENNUNG:	MATERIAL:
12	Insulating sleeve / Isolierhülse (Not shown)	PA - 6
11	Gasket / Flachdichtung	BURASIL-U
8	Hex. Head Screw / Zylinderschraube	A2 - 70
7	Spring Plate / Federlasche	1.4401 / 1.4571
6	Washer / Federring (Not shown)	A4 - 70
5	Hex. Head Bolt / Zylinderschraube (Not shown)	A4 - 70
4	Housing / Gehäuse	Aluminium
3	Lock / Mitnehmer	1.4401 / 1.4571
2	Garter Spring / Spiralfeder	1.4401 / 1.4571
1	Carbon Seal Ring / Kohle-Dichtung	Carbon Graphite / Kohle-Graphit

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10.400.XXX.XXXX

Scale: none

Material:

as per Partslist

DESCRIPTION

ProfSeal Bulkhead Seal

	Date	Name
Bearb.	07.08.03	H.Aumüller
Ref.4	neue Feder + Z/N	H.A. Gepr.
Ref.3	Änderung Wellenlänge	20.06.05 H.A. Norm
Ref.2	einfügen Pos.12 SKI	03.06.04 H.A. Projekt
Ref.1	einfügen Pos.9 SKI	25.11.03 H.A.
Zust.	Änderung	Datum Name

Blatt 1 v. 1

Dateiname: Sonderzeichnungen\Main\Blatt_Schottabdichtung_English_SKF