

ProfiSeal Propellershaft Seal 100–180 mm, water- or oillubricated



Technical Features

water- or oillubricated face type seal, seawater resistant,
for open or closed sterntube-systems

easy installation

high lifetime even in extremely dirty waters

no shaft-wear compared to radial type seals

due to face type design

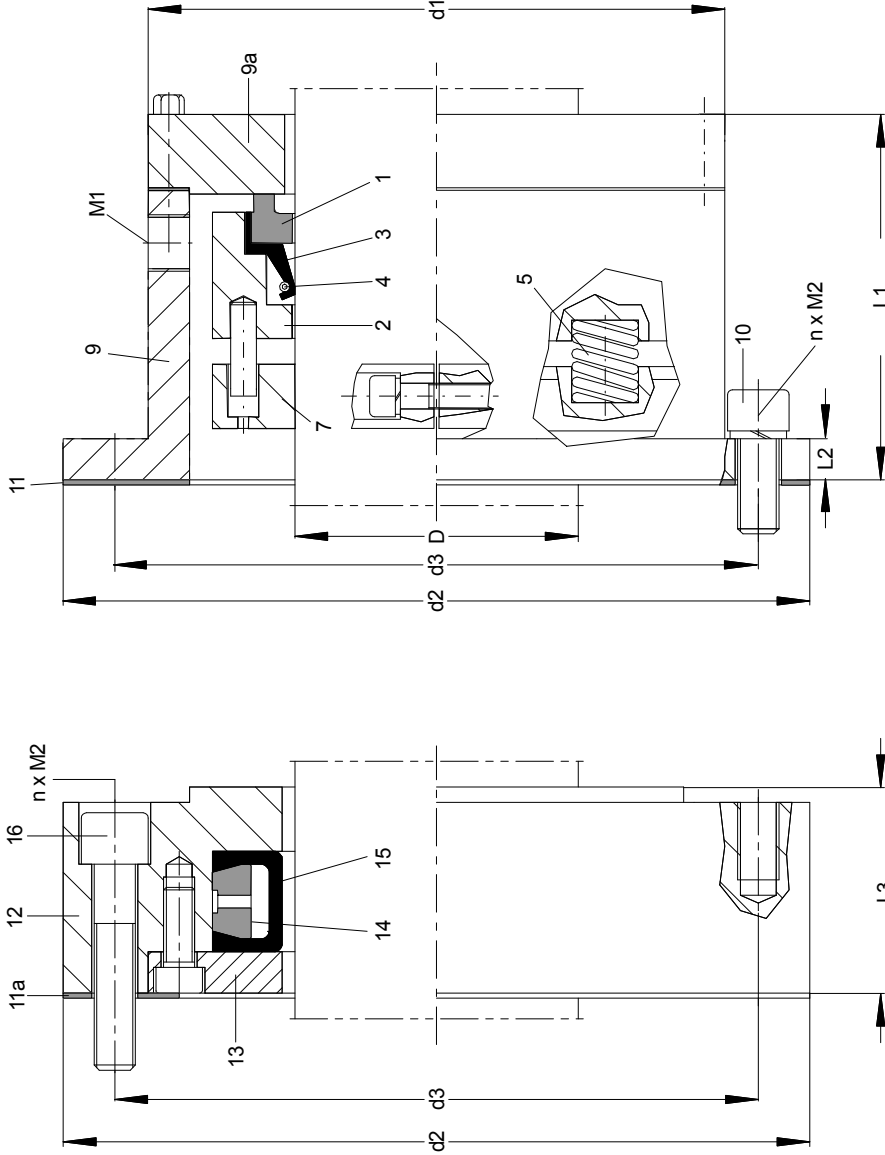
allowed shaft movement

axial:	+/- 5 mm
radiale:	+/- 2 mm

Operating Limits

shaft diameter max:	180 mm
medium to be sealed:	seawater, oil, etc.
medium temperature: seawater	-5° to +40° C
oil	-5° to +70° C
operating pressure:	0,1 to 1,5 bar*
gliding speed max:	10 m/s
flushing/cooling:	approx. 1 l/hr per mm shaft diameter

ProfiSeal Propellershaft Seal



**ProfiSeal Propellershaft Seal
Shaft Diameters 100 - 180 mm**

Dimensions (mm)

D	d1	d2	d3	L1	L2	L3	M1	M2	n
100	185	245	215			43			4
110	195	260	230	119					
120	205	270	240						
130	215	280	250						
140	225	290	260	15					
150	235	300	270						
160	245	310	280	121					
170	255	320	290						
180	265	330	300	131					

Other Shaft Sizes (D) and Imperial Sizes on Request

Pos.	Description	Material
1	Seal face	Carbon-Graphit
2	Face housing	1.4571/ Bronze
3	Collar	NBR Perbunan
4	Spring	1.4571/ 1.4401
5	Spring	1.4571/ 1.4401
7	Clamp ring	1.4571/ Bronze
9	Housing	Bronze/ altern. Alu/ CRES
9a	Mating ring	Chromium steel
10	Housing bolts	A4
11	Gasket	Burasil o.equiv.
11a	Gasket	Burasil o.equiv.
12	Pneumostop flange	Bronze/ altern. Alu/ CRES
13	Cover	Bronze/ altern. Alu/ CRES
14	Ring	Bronze/ altern. Alu/ CRES
15	Pneumostop	NBR Perbunan
16	Flange bolts	A4

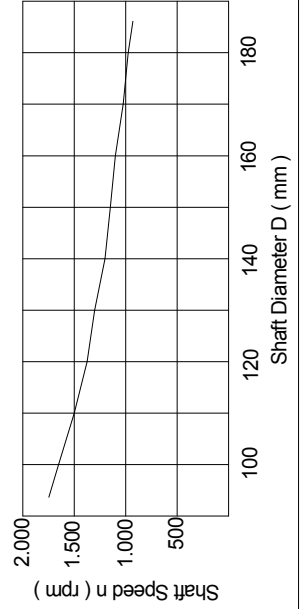
Optional:

Pneumostop Unit
inflatable stand still seal
Pmax. = 7 bar
Pneumostop should not be inflated
while shaft turns
air inlet should normally be open

Alternativ:

Shaft sleeve to fit Seal to
various Shaft Diameters
(not shown)

Diagram: Max. Shaft Speed



For special Applications:
event. other special design
features on request

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Datum	Name
Bearb. 10.09.04	H. Aumüller
Gepr.	
Norm	
Projekt	
Zust.	Änderung Datum Name

10.100.XXX.100A	Scale	none
in seawater resistant Bronze (Altern.: Aluminium / CRES)		
ProfiSeal Propellershaft Seal water- and oillubricated, Shaft - Ø 100 - 180 mm		
Optional: Pneumostop Alternativ: Shaft-sleeve for various Dia.		
Dateiname: Drawings \ ProfiSeal 100 - 180 English Datenblatt SKF		
Blatt		