

LabTecta® 66PB

Bearing Protector Engineered for Misalignment



- Eliminate the cause of over 50% of bearing failures
- Extended bearing and equipment life
- Better protection against bearing contamination
- Reduced lubrication requirements
- Reduced operating temperature



LabTecta®66PB— Plummer / Pillow Block Design



Until now, sealing split bearing blocks has always been an issue.

Alignment between the shaft and bearing block can vary significantly. Competitor designs and labyrinth rings use large clearances in order to accommodate the angular misalignment but can provide little protection against contamination.

Contact sealing solutions have very short lives because the misalignment overloads the sealing surfaces. The revolutionary AESSEAL® design for bearing blocks is specifically engineered to absorb the misalignment and maximize the performance of the seal. This allows you to benefit from the LabTecta®66 technology that can eliminate the cause of over 50% of bearing failures.

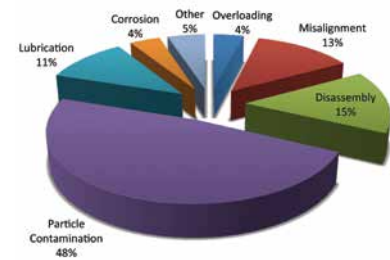
Major benefits are:

- Extended bearing and equipment life
- LabTecta®66 contamination prevention technology
- Reduced lubrication requirements
- Better lubrication retention
- Reduced operating temperature



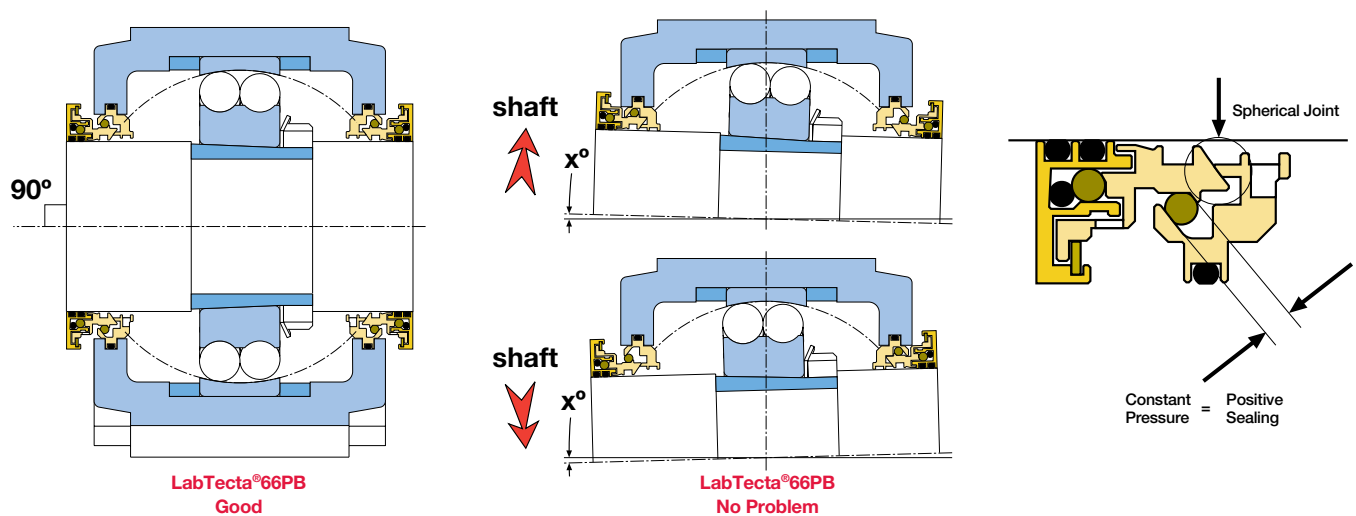
Eliminate the cause of over 50% of bearing failures

A major study into equipment reliability has shown **48%** of all bearing failures are due to particle contamination of the bearing oil, with an additional **4%** due to corrosion caused by water contamination. This gives a total of **52% of bearing failures** caused by contamination of the bearing oil. The LabTecta®66 product family can prevent these failures.



Misalignment? — No problem

The LabTecta®66PB utilizes a unique two piece stator design that provides a self-aligning joint that allows the seal to align both to the bearing block and the shaft. The joint also provides constant pressure on the static elastomer to provide positive sealing throughout the range of motion.



The LabTecta®66PB accepts the same degree of angular misalignment as any standard seal offered by the OEM.

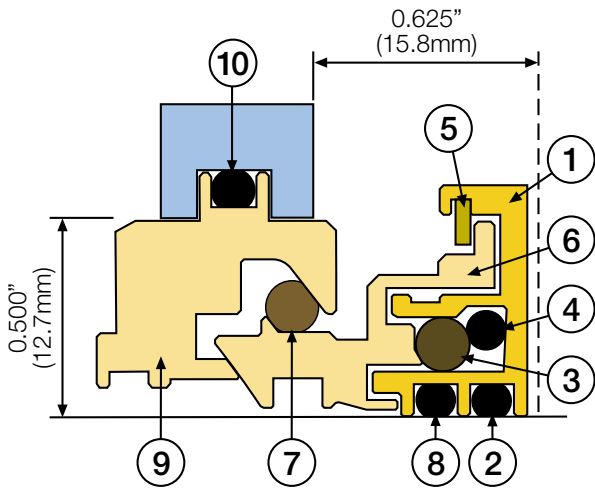
ATEX Certified

Complying with ATEX directive 2014/34/EU, the LabTecta®66PB is available certified for use in Group I M2 (Mining) and Group II Cat 2 & 3 (Zone 1/21 & 2/22) equipment.



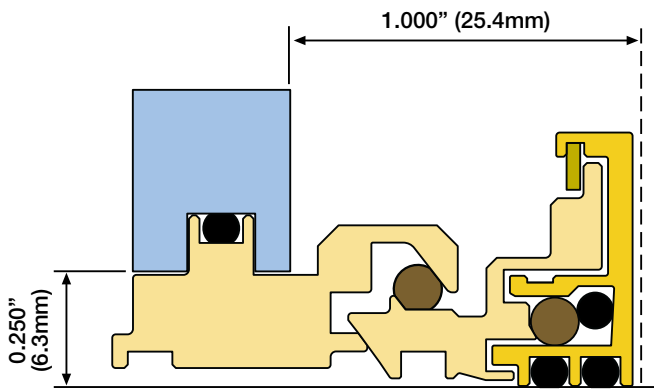


LabTecta®66PB — Designed to suit Plummer / Pillow block applications



Standard cross section

Item	Description	Material
1	LabTecta®66 Rotary	Phosphor Bronze
2	Outboard Rotor O Ring	FKM
3	Arknian™ Shut Off Device	Compound Elastomer
4	Arknian™ Energizer	FKM
5	Face Shield	Composite Material
6	Stator Housing	Phosphor Bronze
7	Stator Housing O Ring	FKM
8	Inboard Rotor O Ring	FKM
9	Adaptor	Phosphor Bronze
10	Adaptor O Ring	FKM



Thin cross section design variant

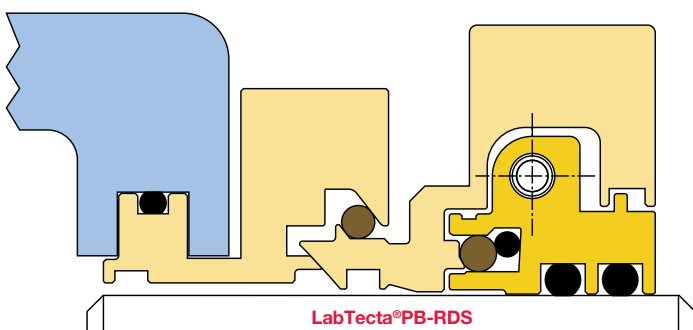
Pillow block dimensions are already available for the following models at time of printing.

SKF® SNL	Most housings available – Please contact the Bearing Protection Division
SKF® SAF	507, 510, 511, 513, 515, 516, 517, 518, 520, 522, 524, 526, 528, 530, 532, 534
FAG SNV	Most housings available – Please contact the Bearing Protection Division

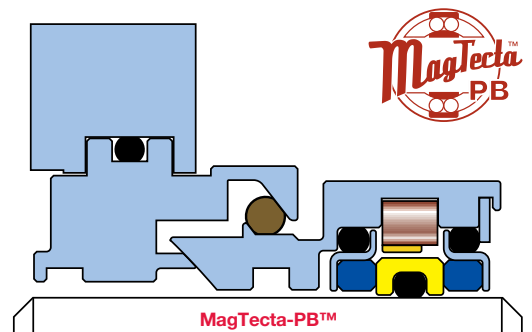
All other models will require dimensions prior to manufacture. Refer to back page for more information.

Dimensions may vary dependent upon size and model. If in doubt, contact the Bearing Protection Division.

Alternative Designs



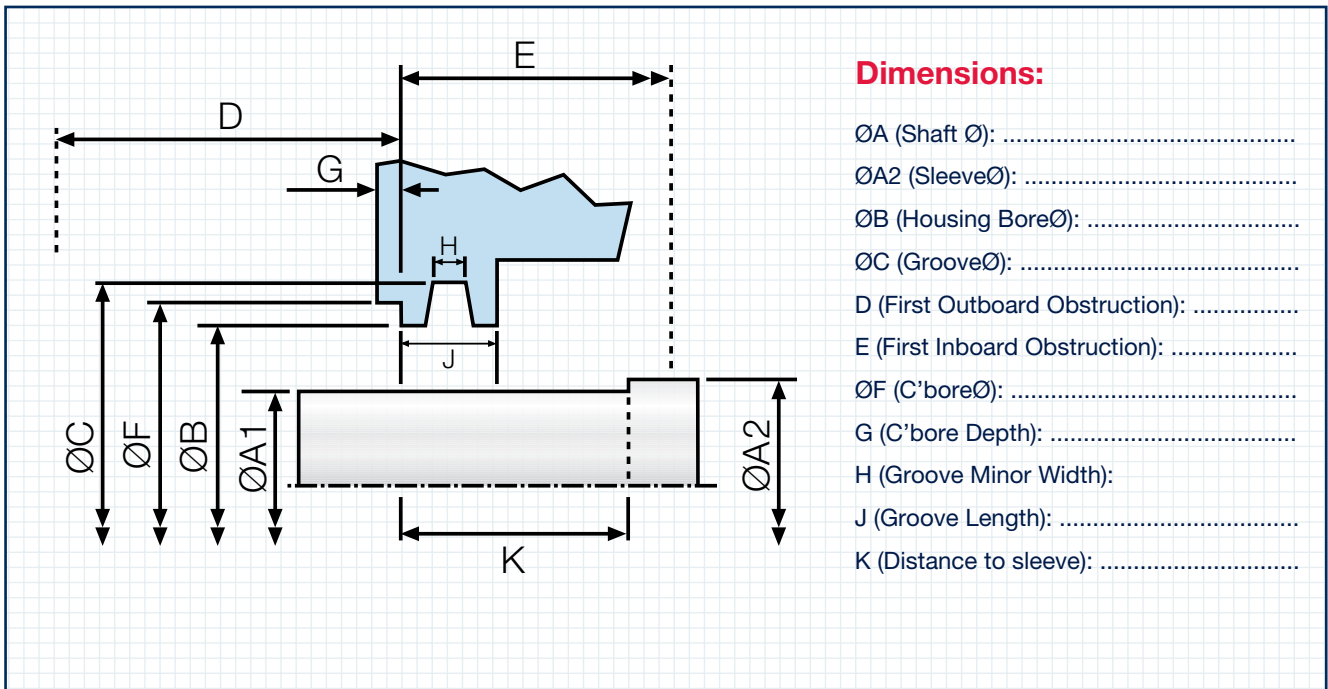
LabTecta®PB-RDS



MagTecta-PB™

LabTecta®66PB – Additional Designs

Sketch Housing Dimensions:



Dimensions:

- ØA (Shaft Ø):
- ØA2 (SleeveØ):
- ØB (Housing BoreØ):
- ØC (GrooveØ):
- D (First Outboard Obstruction):
- E (First Inboard Obstruction):
- ØF (C'boreØ):
- G (C'bore Depth):
- H (Groove Minor Width):
- J (Groove Length):
- K (Distance to sleeve):

Application Data:

Block Manufacturer: Block Number:

Speed: Bearing Type:

Shaft: Horizontal Vertical Max. axial movement:

Max. Angular Misalignment: Seal Material: Bronze Stainless Steel

Lubrication Type / System: Other:

Complete the information above and send to:

UK Fax: +44 (0) 1709 720788 USA Fax: +1 865 531 0571 E-mail: sales@labtecta.com

Further information about the AESSEAL® LabTecta®66 range is available in the standard LabTecta®66 brochure.

E-mail: sales@labtecta.com to request a copy or download it from our website: www.labtecta.com

This brochure is fully recyclable. When laminated, a sustainable, biodegradable and recyclable lamination is used.

For further information and safe operating limits contact our technical specialists at the locations below.



UK Sales & Technical advice:

AESSEAL plc
Mill Close
Bradmarsh Business Park
Rotherham,
S60 1BZ, UK
Tel: +44 (0) 1709 369966
E-mail: enquiries@aessecal.info
www.aessecal.com

AESSEAL plc is certified to:

ISO 9001, ISO 14001, ISO/IEC 20000, ISO/IEC 27001,
ISO/TS 29001, ISO 37001, ISO 45001 & ISO 50001



Net Zero champions globally



Use double mechanical seals with hazardous products.

Always take safety precautions:

- Guard your equipment
- Wear protective clothing

USA Sales & Technical advice:

AESSEAL Inc.
355 Dunavant Drive
Rockford,
TN. 37853,
USA
Tel: +1 865 531 0192
E-mail: usa@aessecal.com
www.aessecal.com

Important: Since the conditions and methods of use of this product are beyond our control, AESSEAL plc expressly disclaims any and all liability resulting or arising from any use of this product or reliance on any information contained in this document - AESSEAL plc standard conditions of sale apply. All sizes are subject to manufacturing tolerances. We reserve the right to modify specifications at any time. AESSEAL® is a Registered Trademark of AES Engineering Ltd, AESSEAL plc recognizes all trademarks and trademark names as the property of their owners.