# **Bearing Protection Application Enquiry Form**



## Complete the information below and return to:

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



## 1. Customer

End Customer:	Location:		
Distributor/ Salesman:	Tel no:		Date:
<b>2. Pumps &amp; General</b> ØA (Shaft Ø): ØB (Housing Bore Ø): ØC (First Obstruction):	Inches D (Maximum Insertion): E (Distance to Step): F (First Obstruction):	mm	Inboard
<ul> <li><b>3. Pillow Block</b></li> <li>ØA1 (Shaft Ø):</li> <li>ØA2 (Sleeve Ø):</li> <li>ØB (Housing Bore Ø):</li> <li>ØC (Groove Ø):</li> <li>D (First Obstruction):</li> <li>E (First Obstruction):</li> </ul>	Inches ØF (C'bore Ø): G (C'bore Depth): H (Groove Minor width): J: K (Distance to Sleeve): L:	mm out	board D Inboard Inboard Inboard Inboard Inboard Inboard Inboard Inboard Inboard Inboard Inboard Inboard Inboard

# 4. Machinery Application Details

Size/ model: Industry:	No
Speed in rpm:InchesmmLocation (e.g. Drive End)	
Axial Movement (max): Positive (state figure): Negative (state figure):	
Shaft Runout (T.I.R):     Shaft to Bore Misalignment:	
Shaft Orientation:HorizontalVertical TopVertical BottomLubricant Type:Submerged*SplashedOil MistNone	Grease
Bearing Chamber Pressure: psig/ barg	
Temperature at Isolator: Min: °C/ °F Max: °C/ °F	
Housing Type:SolidSplitSeal Type:SolidSplit	
*If submerged provide oil viscosity	

## Briefly Describe the Application

## 5. ATEX Directive 94/9/EC Bearing Protectors ONLY

Most bearing protectors are classified as "Machinery Elements", parts of machinery which do not fall under the ATEX directive 94/9/EC. ATEX certification is not required for "Machinery Elements". For details see:

http://ec.europa.eu/enterprise/sectors/mechanical/documents/guidance/atex/standingcommittee/seals/index\_en.htm

&

http://europeansealing.com/en/about/position-statements

AESSEAL ATEX Addendum, together with the Application Limits sheet for the bearing protector type, provides all necessary information for the user to determine if the bearing protector is suitable for their ATEX application. Copies can be obtained by e-mail from <u>atexlabtectas@aesseal.co.uk</u>; please state the bearing protector type(s) being considered.

5.1 Is ATEX certification required?	Yes	No		
(If yes, please complete this section, if no go to section 6.2				
ATEX information required (Mandatory)				
Group II Equipment Only		Group I Equipment Only		
zone: 1 (Cat2)	2 (Cat 3)	ATEX Category: M2		
Gas or Dust: Gas Dust	Both			
Temperature Class				
<b>T1</b> (450°C / 842°F)				
<b>T2</b> (300°C / 572°F)				
T3 (200°C / 392°F)				
<b>T4</b> (135°C / 275°F)				
<b>T5</b> (100°C / 212°F)				
<b>T6</b> (85°C / 185°F)				

Please note if ATEX certification is required further charges may be applicable

5.2 Is ATEX evaluation required? Yes No

If yes please email: atexlabtectas@aesseal.co.uk

AESSEAL Bearing Protection Division will evaluate an Atex application if provided with full application information and the ATEX specification for the plant area (e.g. EX II 2G IIC c T3).

#### 6. Additional Information

- 1. What is the customer currently using in the proposed application? (Please tick below) Labyrinth Lip Seal Other (please specify)
- 2. What is the cost and lifetime of the existing sealing device?
- 3. How many identical units are there to seal if the first item proves successful?
- 4. Any additional information?

Submitted by:

Location: