Seal Design Sheet

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Seal Design Sheet

Customer	
Contact	
Date	
Project	
Reason For Enquiry	

BlueDiamond

Key:
d_1 = nominal shaft diameter

d_2 = nominal housing diameter

a = position of sealing lip

b = width of seal

c = nominal depth of bore

Seal Location

Operating Conditions and Related Specification

Shaft	Medium
Diameter: d_1 (mm)	Type of Medium:
Max. Rotational Speed (R.P.M) (min⁻¹)	Mean test temperature: (°C)
Principle direction of rotation when viewed from the back/airside of the seal	Max. test temperature: (°C)
Clockwise Y/N Anticlockwise Y/N Alternating Y/N	Intermittent peak temperature in installation (max 10h total): (°C)
Shaft material:	Max. pressure (Gauge/absolute): (bar)
Surface roughness:	Mean pressure (Gauge/absolute): (bar)
Surface finish: (µm)	Level of medium relative to shaft centre:
Surface treatment:	Dirt or water contaminant:
Surface hardness: (HRC)	
Shaft run out (T.I.R.)	
Out of roundness:	

Housing	Test Specification
Type of housing: Split bore Y/N Solid bore Y/N	Speed cycle:
Housing bore diameter: (mm)	Offset static & dynamic:
Housing bore depth: (mm)	Duration:
Housing material:	Acceptance criteria:
Max. rotational speed (R.P.M.) (min⁻¹)	
Surface roughness: (µm)	
Shaft to housing location:	

Seal fitting	
Pressed in depth: (mm)	
Seal Proposed is:	

TRELLEBORG   **BlueDiamond**

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