



Innovative technologies and Advanced materials in fluid film bearing

PIK Diad Ltd.

www.pik-diad.ru

THRUST(AXIAL) BEARING INQUIRY SHEET

Fill in active fields, save copy and sent to info@pik-diad.com with your request.

| CONTACT DETAILS | | | | | | | | | | | | | | | |
|--|-------------|-------------|--------|----------|--------|---|--|--|------------------|------------------------|--|----------------------|--|---------|--|
| Name | | | | | | Date | | | | | | | | | |
| Title | | | | | | Phone | | | | | | | | | |
| Company name | | | | | | Email | | | | | | | | | |
| Address | | | | | | Country | | | | | | | | | |
| City | | | | | | State | | ZIP | | | | | | | |
| APPLICATION INFORMATION | | | | | | | | | | | | | | | |
| Machine description | | | | | | | | Project name | | | | | | | |
| Usage | | New Product | | Retrofit | | Prototype | | Other | | Est. Qty. | | | | | |
| Current bearing style | | | | | | | | | | | | | | | |
| Current issues | | | | | | | | | | | | | | | |
| Design priority, rank | | Cost: | | Life: | | Power Loss: | | Temperature: | | Load: | | | | | |
| 1=Low; 5=High | | Details | | | | | | | | | | | | | |
| OPERATING CONDITIONS | | | | | | | | | | | | | | | |
| Operating Speed (rpm) | | | | | | Rotor rotation | | Rotor orientation | | Thrust runner material | | | | | |
| min | | design | | max | | <input type="checkbox"/> Uni-directional <input type="checkbox"/> Bi-directional | | <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | | | | | | | |
| Direction of rotor rotation | | | | CW | | CCW | | as vied from: | | | | | | | |
| Main thrust load | | | | | | Reverse load | | | | Start-up load | | | | | |
| min | | design | | max | | | | | | N | | N | | | |
| | | | | | | | | | | | | | | | |
| Lubricant | Type | | | | | | | | Lubricant supply | Type | | Pressurised Directed | | Flooded | |
| | API gravity | | | | | | | | | | | | | | |
| | Viscosity | | Temp.1 | | Visc.1 | | | | | Pressure | | kPa | | | |
| | | | Temp.2 | | Visc.2 | | | | | Temperature | | °C | | | |
| BEARING GEOMETRY | | | | | | | | | | | | | | | |
| Bearing type | | | | Tilt Pad | | Fixed Pad | | Flat plate | | Other | | | | | |
| Levelling links? | | | | Yes | | No | | | | | | | | | |
| Temperature sensor? | | | | No | | Yes (provide installation sketch) | | | | | | | | | |
| If yes, provide type | | | | RTD | | Thermocouple | | Quantity per thrust face | | | | | | | |
| Thrust load measurement? | | | | No | | Yes (provide installation sketch) | | | | | | | | | |
| Axial Clarence or shaft position adjustment? | | | | No | | Yes (provide installation sketch) | | Shims | | Yes | | No | | | |
| Split bearing? | | | | Yes | | No | | | | | | | | | |
| Rotor diameter at bearing? | | | | | | | | | | mm | | | | | |
| Thrust runner thickness? | | | | | | | | | | mm | | | | | |
| Max thrust runner diameter? | | | | | | | | | | mm | | | | | |
| Axial gap | | | | | | | | | | mm | | | | | |
| Max overall thickness | | | | | | | | | | mm | | | | | |



Innovative technologies and Advanced materials in fluid film bearing

PIK Diad Ltd.

www.pik-diad.ru

THRUST(AXIAL) BEARING INQUIRY SHEET

Fill in active fields, save copy and sent it to info@pik-diad.com with your request.

| ATTACHMENTS |
|---|
| <ul style="list-style-type: none"><input type="checkbox"/> Sketch, design or drawing of bearing<input type="checkbox"/> Sketch, design or drawing of bearing instrumentation(temperature, thrust load, etc.)<input type="checkbox"/> Sketch, design or drawing of bearing lubrication oil supply<input type="checkbox"/> Other, please specify |
| |
| COMMENTS |
| Please specify any additional bearing design requirements. For instance - instrumentation, seals, oil supply and drain if applicable. Also, if applicable, please provide detailed description of existing bearing design and existing issues. |
| Please provide contact details of engineering personal in case additional information required |
| |