

## Application Form

| Customer Details  |  |               |        |  |                           |                |         |                |
|---|--|---------------|--------|--|---------------------------|----------------|---------|----------------|
| Company Name  |  |               |        | Tel  |                           |                |         |                |
| Contact Person  |  |               |        | Email  |                           |                |         |                |
| Address   |  |               |        |  |                           |                |         |                |
| Technical Information   |  |               |        |  |                           |                |         |                |
| Application   |  |               |        |  |                           |                |         |                |
| Part to be used for   | New application                                |               |        | Replacement, spare parts                       |                           |                |         |                |
| Rotating Ring   | Outer race                                     |               |        | Inner Race                                     |                           |                |         |                |
| Axis of Rotation  | Vertical axis (Bearing installed horizontally) |               |        | Horizontal axis (Bearing installed vertically) |                           |                |         |                |
| Direction of rotation   | Mainly one-direction                           |               |        | Cyclic (Oscillating)                           |                           |                |         |                |
| Way of rotation   | Continuous                                     |               |        | Interrupted/Intermittent                       |                           |                |         |                |
| Maximal Speed   | rpm  |               |        | Maximal angle of rotation                      |                           |                |         |                |
| Required life   | Hours of work or                               |               |        | Cycles   |                           |                |         |                |
| Dimensions  |  |               |        |  |                           |                |         |                |
|   | Most suitable                                  |               |        | Acceptable range                               |                           |                |         |                |
| Outside diameter  | mm   | inch          |        | mm(max)  | Inch(max)                 |                |         |                |
| Inside diameter   | mm   | inch          |        | mm(max)  | Inch(max)                 |                |         |                |
| Overall height  | mm   | inch          |        | mm(max)  | Inch(max)                 |                |         |                |
| Raceway diameter  | mm   | inch          |        | mm(max)  | Inch(max)                 |                |         |                |
| Bolts circle diameter   | Outer race (most suitable)                     |               |        | Inner race (most suitable)                     |                           |                |         |                |
|   | mm   | inch          |        | mm   | inch                      |                |         |                |
| Bearing Loads   |  |               |        |  |                           |                |         |                |
| Load cases  | Loads  |               |        | Gear**   |                           | Rational Speed |         | Time of rot. % |
|   | Axial*   | Radial        | Moment | Tooth load                                     | Gear torque               | Max            | Average |                |
| 1.  |  |               |        |  |                           |                |         |                |
| 2.  |  |               |        |  |                           |                |         |                |
| 3.  |  |               |        |  |                           |                |         |                |
| 4.  |  |               |        |  |                           |                |         |                |
| Unit of measurement   |  |               |        |  |                           |                |         |                |
| <i>*Axial loads are positive if compression, negative if tensile</i>      |  |               |        | kN, kNm  |                           | lbs, lbs. ft   |         |                |
| <i>**Please fill one data only, either tooth load or torque ring gear</i> |  |               |        |  |                           |                |         |                |
| Gear Requirements   |  |               |        |  |                           |                |         |                |
| External gear   |  | Internal gear |        |  | No gearing                |                |         |                |
| Tooth from:   |  | Modul/DP:     |        |  | Contact angle- $\alpha$ : |                |         |                |
|   |  | Pinion        |        |  | Geared ring               |                |         |                |
| Number of teeth - z   |  |               |        |  |                           |                |         |                |
| Profile correction - xm   |  |               |        |  |                           |                |         |                |
| Gear width - b  |  |               |        |  |                           |                |         |                |
| Other requirements (precision, quality):                                  |  |               |        |  |                           |                |         |                |
|   |  |               |        |  |                           |                |         |                |
| <i>Please include the drawing of the pinion if possible</i>               |  |               |        |  |                           |                |         |                |

| Bolts  |  |                    |
|--|--|--------------------|
| Metric only<br>Bolt diameter   | Imperial only<br>Bolt material   | Metric or Imperial |
| Outer race bolt holes:<br>Thru without thread<br>Thru and counterbored<br>Thru tapped<br>Tapped and counterbored<br>Tapped and dead hole<br>Without special request<br>Custom bolt pattern   | Inner race bolt holes:<br>Thru without thread<br>Thru and counterbored<br>Thru tapped<br>Trapped and counterbored<br>Trapped and dead hole<br>Without special request<br>Custom bolt pattern |                    |
| Special requirements (check where applicable)  |  |                    |
| Seals are required   | Extremely dirty  |                    |
| No grease lubrication  | Oil lubrication  |                    |
| Location specification of grease holes:<br>Outer race:<br>Outer diameter<br>Mounting site<br>Other (specify in remarks)<br>High temperature (>50 °C)<br>Low temperature (<-25 °C)<br>Precision/preload bearing (Provide details below)<br>Rolling elements must be caged. No spacers | Inner race:<br>Inner diameter<br>Mounting site<br>Other (specify in remarks)<br>Max. temperature °C<br>Min. temperature °C   |                    |
| Safety factor:   | Material: C45  | 42 CrMo4           |
| Application factor:  | 50 Mn  | Other:             |
| Remarks:   |  |                    |

| Quotation Details   |           |
|---------------------|-----------|
| Date of delivery    |           |
| Quotation quantity  | pcs.      |
| Annual requirements | pcs./year |

*If you need any help filling this form, we are just a call away!*

*Thanks for your business!*