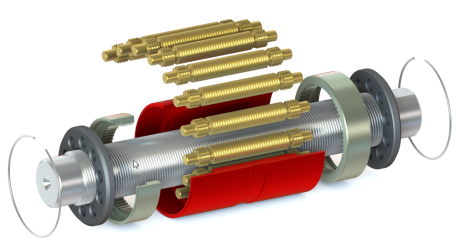
**APPLICATION DATA LIST FOR ROLLER SCREWS**

DATE :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **CUSTOMER INFO** | | | |
| Company Name :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | Address :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| Contact Name :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Phone :\_\_\_\_\_\_\_\_\_\_\_\_\_ | | Email :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |
| --- | --- |
| **APPLICATION/ INDUSTRY :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | |
| Drawing attached :  Yes Drawing Number :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  No | |
| New Application:  Yes  No | Name of the Project:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| □ New Screw  Existing Screw | Screw Size / Ref Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **OPERATING CONDITIONS (Please specify units)** | | | | |
| Number of screws supporting the load:\_\_\_\_\_ | | | | |
| Maximum Load: Static:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | Dynamic:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| Typical **Load Chart** (function of the stroke, forward and reverse stroke) | | | | |
| **Stroke**  **Load**  **0** | | | | |
| Typical **Speed Chart** (function of the stroke, forward and reverse stroke) | | | | |
| **Stroke**  **Speed**  **0** | | | | |
| Useful Stroke:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | Max Stroke:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| Alternatively please fill-in the chart below and specify units: | | | | |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | Load | Speed | Time | Stroke | Remarks | | Step 1 |  |  |  |  |  | | Step 2 |  |  |  |  |  | | Step 3 |  |  |  |  |  | | Step 4 |  |  |  |  |  | | Step 5 |  |  |  |  |  | | … |  |  |  |  |  | | | | | |
| Main Load :  Compression  Tension | | | | |
| Rotation:  Rotating Shaft  Rotating Nut | | | | |
| Vertical  Horizontal | | | | |
| Shocks  Vibration | | | | |
| Total Number of Cycles (forward and reverse stroke) required:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |
| Total Time required (years or hours):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | |
| **ENVIRONMENT** | | | | | |
| Indoor  Outdoor | | | Exposure to Water / Fluid / Dust:\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| Temperature range:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | Humidity Range:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| **SPECIFIC LIMITATIONS OR REQUIREMENTS** | | | | | |
| Space Limitations: Nut Max Out Diameter:\_\_\_\_\_\_\_\_\_\_\_\_ Shaft Max Diameter: \_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | |
| Max Torque / Speed available from Motor:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | |
| Lubrication (Grease / Oil / Dry – please specify) :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | |
| Lead Direction :  Right  Left  Right & Left | | | |  | |
| **ACCURACY – CLEARANCE – PRELOAD - STIFFNESS** | | | | | |
| Lead Accuracy : | G5 (23µm/300mm) G3 (12µm/300mm)  G1 (6µm/300mm) | | | | |
| Manufacturing Tolerances (ISO 3408-3) : | | Class 5  Class 3  Class 1 | | | |
| Backlash : | | Standard  Backlash Elimination Preload/Stiffness | | | |
| Nut : | | Flange  Cylindrical  Double  Custom | | | |
| **SHAFT MOUNTING CONDITIONS** | | | | | |
| Fixed - Free : | | xx------- | | | |
| Fixed – Supported : | | xx------x | | | |
| Fixed – Fixed : | | xx-----xx | | | |
| Supported – Supported : | | x--------x | | | |
| **IN CASE THE SCREW IS PREDEFINED** | | | | | |
| Diameter :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | Lead :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| Total Length :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | Threaded Length :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| Wiper :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | Type of Nut :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |
| Expected Date for Prototypes or 1st batch :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | |

**QUANTITIES FOR RFQ**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- |
| Notes / Remarks / Sketch: |