**APPLICATION DATA LIST FOR ROLLER SCREWS**

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

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

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

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| **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: |
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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | Load | Speed | Time | Stroke | Remarks |
| Step 1 |   |   |   |   |   |
| Step 2 |   |   |   |   |   |
| Step 3 |   |   |   |   |   |
| Step 4 |   |   |   |   |   |
| Step 5 |   |   |   |   |   |
| … |   |   |   |   |   |

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| 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: |