

# Ball Screw Specification Sheet For New Applications

Customer Name:  Date:

Customer POC:  PO Number:

Customer Phone:  Customer Email:

Application:  ex: machine tool, transport, etc



Phone: 1-800-255-4773  
Fax: (317)738-5050

### Speed and Travel:

Stroke:  mm

Stroke Time (t):  sec

Ramp Time (t1):  sec

Acceleration:  m/s<sup>2</sup>

Deceleration:  m/s<sup>2</sup>

v Triangular

v Trapezoidal

### Orientation:

Mounting Orientation:   
(Horizontal/Vertical)

#### Support Method

Fixed-Fixed

Fixed-Simple

Fixed-Free

Accuracy/Repeatability Requirements:

### Environment:

Temperature Range:  deg C  
 deg F

- General Industry
- Wash Down
- Clean Room
- Vacuum
- Outside Use
- Splash
- Corrosive
- High Humidity
- Contaminated
- Food/Medical

Additional Comments:

### Load Conditions:

Moving Mass:  kg

External Axial Force:  N

Maximum Load:  N

Maximum RPM:  rpm

Mass Supported by Linear Guides?  
 Yes  No

Position of Ball Screw Relative to COG

X-coord:  (mm) Y-coord:  (mm)  
(Horizontal Distance) (Vertical Distance)

Application Details (Please enter any other special considerations not covered):

### Duty Cycle:

Life Expectation:  (Years)

Cycles Per Hour:

Operating Hours:  (Per Day)

Operating Days:  (Per Year)

# Ball Screw Sizing Specification Sheet

Customer Name:

Customer POC:

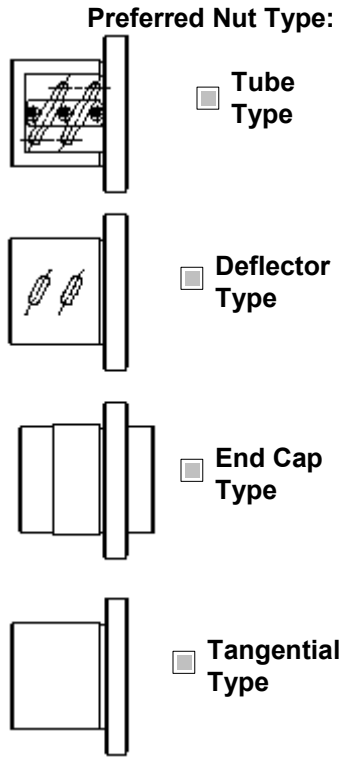
Customer Phone:  Customer Email:

Date:

PO Number:



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Max Nut Diameter:  mm

Flange?  Yes  No

Max Flange Diameter:  mm

Max Nut Length:  mm

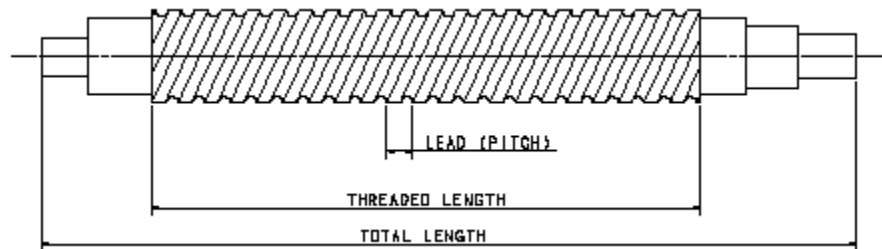
Number of Bolt Holes on Flange:

Direction of Threads:  Right or Left

Nut Orientation:  Right or Left

Preload Requirements:

P - 5% of Dynamic Capacity  
Z - 10% of Dynamic Capacity  
D - 10% of Dynamic Capacity with higher



Shaft Diameter:  mm

Threaded Length:  mm

Lead:  mm

Total Length:  mm

**Clearance/Axial Play:**

- Z (Zero Clearance)
- T (0.005 mm or under)
- S (0.020 mm or under)
- N (0.050 mm or under)
- L (0.3 mm or under)

Grease:

Surface Treatment:

Material:

**Accuracy Requirements:**

**Torque Requirements:**

**Rigidity Requirements:**

**Comments:**

Part Number:

Quantity:

**Accessories:**

- NSK K1
- Lock Nut
- Travel Stopper

**Support Units:**

- Fixed/Free
- Fixed/Simple
- Fixed/Fixed