



2485 Coral Street Vista, CA 92081 USA (ph) 760.727.2700 (fax) 760.727.3957  
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## SPECIFICATIONS SHEET FOR 600 SERIES TRUNNION HOLDING FIXTURES

The purpose of this data sheet is to help you to consider all of the features that may be needed or useful in a particular application for a 600 Series Trunnion-Holding Fixture. It may be helpful to discuss these various features with FLOTRON to determine the cost effectiveness of either the standard or special features. Note that special features will require Engineering and setup charges. Reviewing these considerations should assure you of obtaining the best product at the best price for your particular application.

### ***Definition of part to be handled***

**Note: See Holding Fixture Overview Table or applicable Data Sheet for standard capacities and sizes.**

Part weight: \_\_\_\_\_

Part Size

Length: \_\_\_\_\_

Height: \_\_\_\_\_

Width: \_\_\_\_\_

Swing radius: \_\_\_\_\_

**Location of center of gravity of part**

Distance from CG to trunnion centerline: \_\_\_\_\_

Distance from CG to mounting plate on gearbox end: \_\_\_\_\_

Inertia of part: \_\_\_\_\_



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### ***Part mounting height***

**Standard height is adjustable. See applicable holding fixture Data Sheet for standard height range.**

Standard height range (Specify): \_\_\_\_\_

Special height range: \_\_\_\_\_ Special fixed height \_\_\_\_\_

### ***Part mounting length***

**Standard mounting length is adjustable over the length of the Main Beam.**

Adjustable distance range: \_\_\_\_\_

Special fixed distance: \_\_\_\_\_

### ***Part mounting interface***

**Standard Mounting Interfaces on the 600 series include a Mounting Angle or a Mounting Faceplate. See Data Sheets for details.**

Standard Mounting Face Plate: \_\_\_\_\_

Standard Mounting Angle: \_\_\_\_\_

Special mount: \_\_\_\_\_ (describe on last page)



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## ***Casters***

**600 series are supplied with 4 swivel casters (with brakes& swivel locks) that are rated in excess of the handler's capacity.  
5" Caster wheels have solid urethane treads.**

Standard Casters: \_\_\_\_\_

Heavy Duty Casters: \_\_\_\_\_

Special Casters: which may include any of the following:

Shock absorbing casters: \_\_\_\_\_ Foam-filled pneumatic tires: \_\_\_\_\_

Solid cushion rubber tires: \_\_\_\_\_ Designed for towing: \_\_\_\_\_

Oversize wheels for rough surfaces: \_\_\_\_\_

Oversize wheels for soft surfaces: \_\_\_\_\_

Special size wheels: \_\_\_\_\_ Electrostatic design wheels: \_\_\_\_\_

Total locks (simultaneous swivel lock and brake): \_\_\_\_\_

## ***Materials of Construction***

**Standard materials are steel, cast iron and aluminum.**

Use standard materials: \_\_\_\_\_

These materials are protected for normal usage. (See finish section).

Use Special materials (specify): \_\_\_\_\_



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### ***Gear Box***

**Standard ratio is 60:1 for 600 series.**

Standard low backlash gearbox: \_\_\_\_\_

Special gearbox requirements:

Ratio: \_\_\_\_\_ Torque: \_\_\_\_\_

High temperature: \_\_\_\_\_ Clean room requirements: \_\_\_\_\_

### ***Safety Factor***

**The standard safety factor for 600 series is 3. This safety factor is based on the yield strength of the materials and includes the maximum capacity load at maximum height, and a .5 G horizontal load.**

The standard safety factor: \_\_\_\_\_

Special Safety factor (specify): \_\_\_\_\_



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### ***Index Plate***

**Standard Index plate option is available in increments of 15 degrees.**

Standard index plate: \_\_\_\_\_

Special Index plate requirements: \_\_\_\_\_

Index increments (degrees): \_\_\_\_\_ High accuracy \_\_\_\_\_

Torque: \_\_\_\_\_ Low backlash: \_\_\_\_\_ Located at Gearbox end only: \_\_\_\_\_

Two Index Plates-one at each end: \_\_\_\_\_

Special Lock Rods to Lock Trunnion Rotation: \_\_\_\_\_

### ***Finish***

**Standard finish is textured semi-gloss enamel paint or powdercoat (at manufacturers discretion). Color is blue. Standard plated parts are clear zinc.**

Standard finish: \_\_\_\_\_

Special finishes: \_\_\_\_\_

High temperature requirements: \_\_\_\_\_

Color: \_\_\_\_\_ High gloss, textured, flat? \_\_\_\_\_

Plating: \_\_\_\_\_

Clean Room Requirements: \_\_\_\_\_



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### ***Miscellaneous Special Options***

**You may have special requirements not standard on a trunnion holding fixture. FLOTRON can work with you to specify, design and fabricate to your requirements. Your requirements could include but are not limited to any of the following:**

Special labeling or warning signs: \_\_\_\_\_

Special ESD design for electrostatic dissipation: \_\_\_\_\_

Special size or weight capacity: \_\_\_\_\_

Special lift eyes: \_\_\_\_\_

Special provisions for accepting forklifts forks: \_\_\_\_\_

Other special requirements, describe below: