



2630 Progress Street Vista, CA 92081 USA (ph) 760.727.2700 (fax) 760.727.3957  
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## SPECIFICATIONS SHEET FOR 1100 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 1100 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 nonadjustable. See applicable holding fixture Data Sheet for standard height.**

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

Special height: \_\_\_\_\_ Special adjustable 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 1100 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***

**1100 series are supplied with 8 swivel casters (with brakes& swivel locks) that are rated in excess of the handler's capacity.  
10" Caster wheels have solid urethane treads.**

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

### ***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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### ***Leveling Jacks***

**Leveling Jacks are a standard option available on 1100 series.**

Standard 1100 series Jacks: \_\_\_\_\_

Special Jacks for 1100 series (specify on last page): \_\_\_\_\_

### ***Gear Box***

**Standard ratio is 1124:1 for 1100 series. (Motorized gear ratio is 1975:1).**

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

Special gearbox requirements:

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

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

### ***Safety Factor***

**The standard safety factor for 1100 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: \_\_\_\_\_

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

Other special requirements, describe below: