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SPECIFICATIONS SHEET FOR 700 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 700 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: _____

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 _____



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Part mounting length

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

Adjustable distance range: _____

Special fixed distance: _____

Main beam configuration

700 series are available in single and double beam configurations. Your choice depends on the size and weight of the part, the required rigidity of the handler, the height of rotation and accessibility to the part. Consult FLOTRON for recommendations to handle your part.

Single beam: _____

Double beam: _____

Part mounting interface

Standard Mounting Interfaces on the 700 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

**700 series are supplied with 4 swivel casters (with brakes) that are rated in excess of the handler's capacity.
5" Caster wheels have solid urethane treads & non-lubricated bearings.
Heavy duty casters with swivel locks are also available.**

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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Leveling Jacks

Leveling Jacks are a standard option available on 700 series.

Standard 700 series Jacks: _____

Special Jacks for 700 series (specify on last page): _____

Gear Box

Standard ratio is 60:1 for 700 series.

Standard gearbox: _____

Special gearbox requirements:

Ratio: _____ Torque: _____ Low backlash: _____

High temperature: _____ Clean room requirements: _____

No Gear Box Required (balanced loads only): _____

Safety Factor

The standard safety factor for 700 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: _____ No Index Plate: _____

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: _____



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Hydraulic Riser Lift

The optional Hydraulic Riser Lift is an available on the 700 series.

Standard 700 series hydraulic riser lift option: _____

Special hydraulic riser lift option: _____

Special mechanical lift option: _____

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: