

Ring Girder Roller

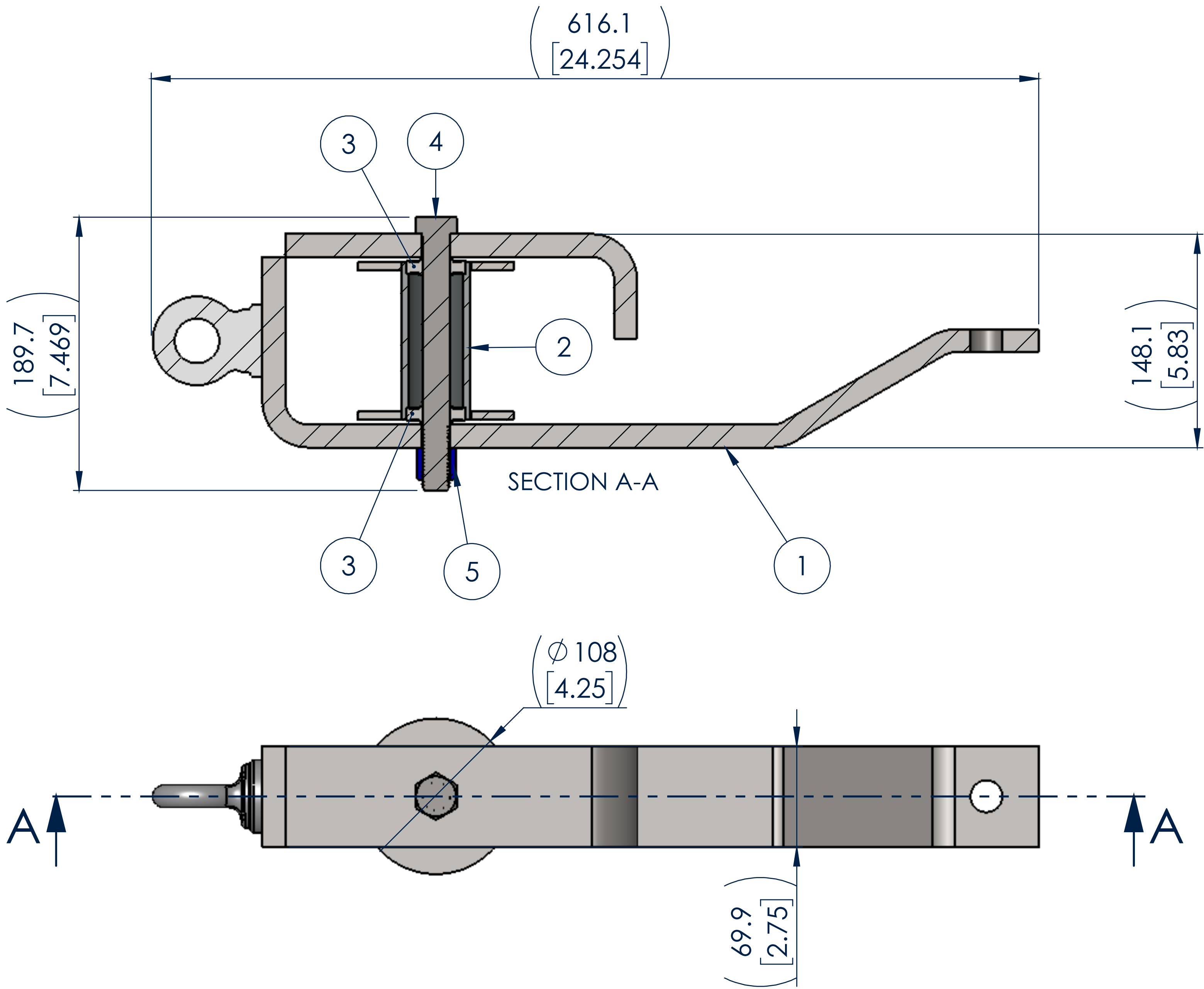
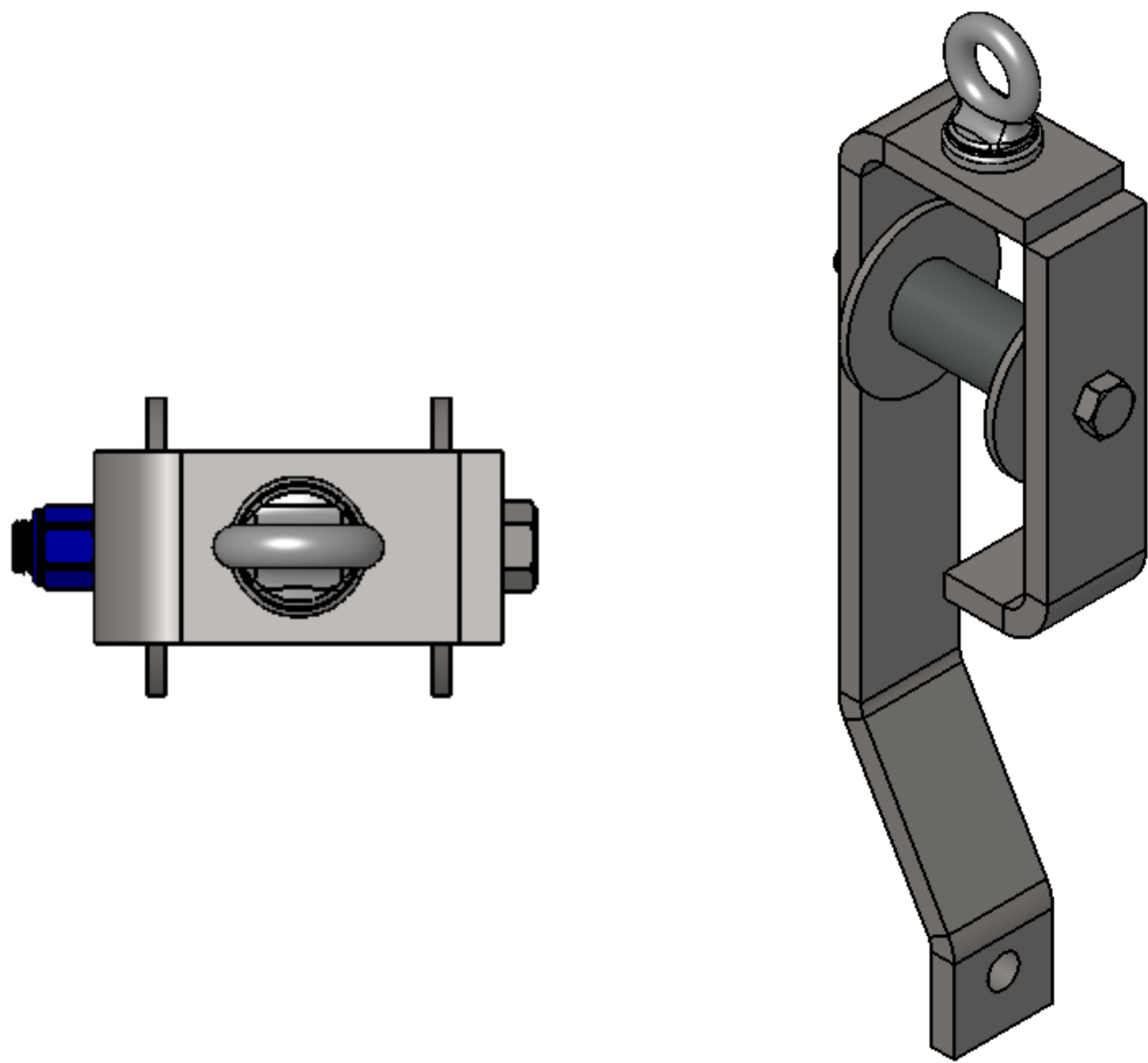
154-10-DATASHEET

Description

- Ring Girder Roller is designed to roll smoothly along curved or circular girders, protecting ropes and lifelines from abrasion while maintaining proper alignment. Ideal for tanks, stacks, and circular structures.

Information

- Roller guidance on curved/circular girders.
- Reduces abrasion on ropes and lifelines.
- Durable construction for industrial environments.
- Supports safer, smoother rigging on round structures.
- Girder rim height to be 5" min. and 10" max.



CAD generated drawing.
Do not manually update.

First angle projection

Scale
1:4

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	154-11	Carrier, Roller	1
2	154-12	Roller, Ring Girder	1
3	100-49	Girder Roller, Bearing	2
4	107-1021	HH, 3/4-10x7	1
5	107-337	Nut, Nylon, 3/4-10, Zinc	1
6	154-13	Decal, Ring Girder Roller, Warning	1

INFORMATION	154-10-DATASHEET
Dimensions	24.254" x 7.469" x 2.75" (LxWxH)
Material	Steel
Weight	23.2 lbs

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Installation Instructions

1. BEFORE installation inspect and verify the ability of the tank rim and center support structure to carry the loads listed below without permanent deformation.

Table 1 (Ref. fig. 1)

SUSPENDED ROLLER LOAD	ROLLER RIM LOAD	TIEBACK ROPE LOAD
“L”	“R1”	“R2”
1000	4000 LBS	4000 LBS
1500	6000 LBS	6000 LBS

Protect the tieback rope where it passes over the tank rim from scuffing by use of a length of garden hose or equivalent threaded over the wire rope and retained in location by use of tape or other means.

* These loads include a minimum factor of safety of 4:1 based on the Sky Climber safe working load "L".

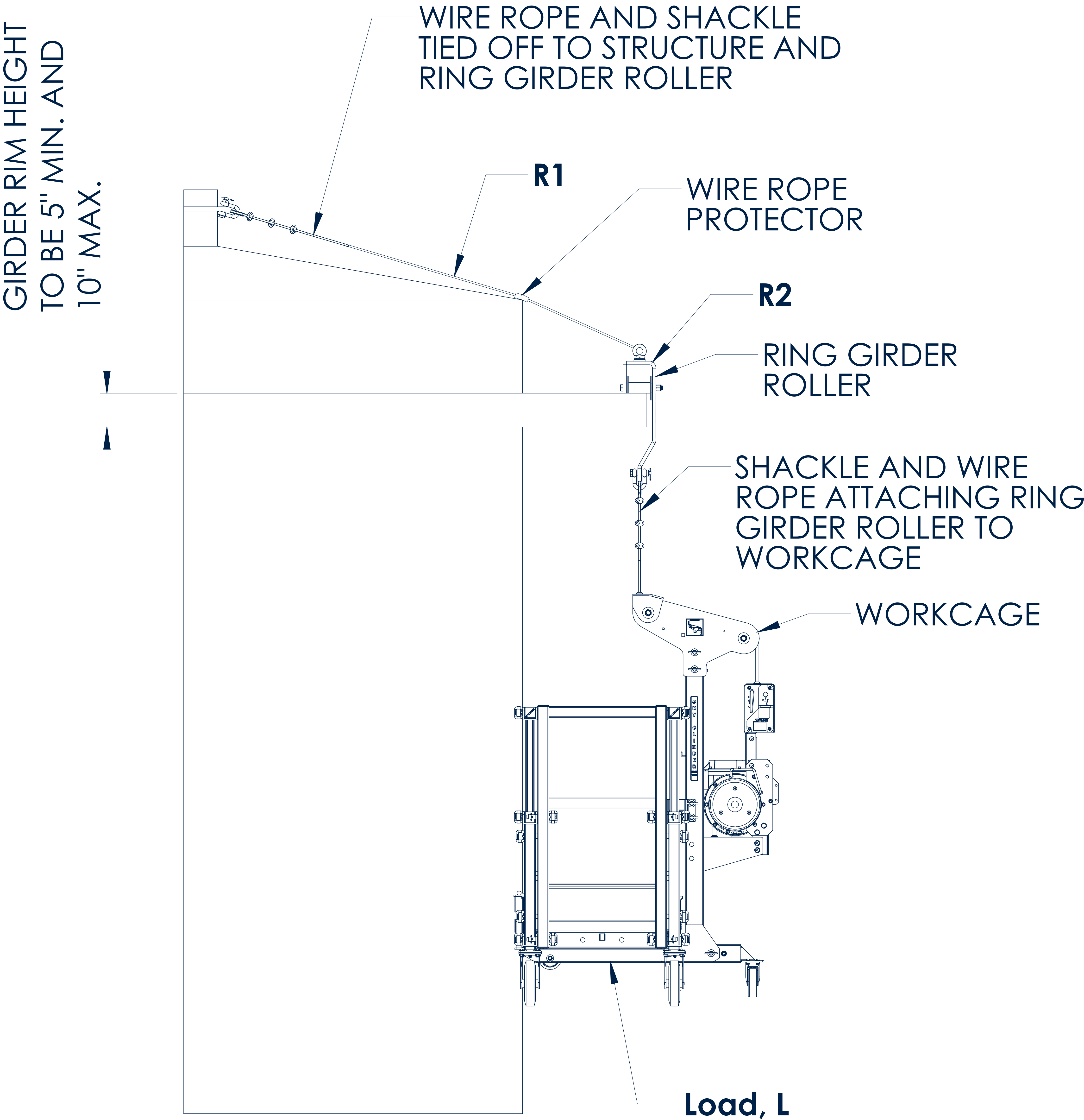
CAUTION: The load at the tank center support is a multiple of the number of ring girder rollers (R) being used.
Example: If two (2) are used, the total structural strength of the center support must be
2 x 6000 lbs = 12000 lbs min
2 x 4000 lbs = 8000 lbs min

2. **CAUTION:** Torque all J clamps to manufacturer's recommended value of 30 ft-lbs for 5/16 wire rope and 45 ft-lbs for 3/8 wire rope.
3. Proof load complete structures as rigged to 125% of the Sky Climber safe working load "L".
4. After applying proof load and daily thereafter, retorque all J clamps.
5. Use approved safety belts or harnesses and lanyards attached to approved independently suspended drop lines at all times. Make sure that the drop line is protected from possible damage where it passes over the tank ring and that it is securely fastened to the tank structure.
6. **CAUTION:** Do not use this equipment in any other way than described in this document.
7. The above installation instructions represent minimal requirements recommended by SCI. Consult local safety regulatory agencies for specific requirements. Maintenance of rigging is your responsibility.

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Figure 1



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First angle projection

Scale
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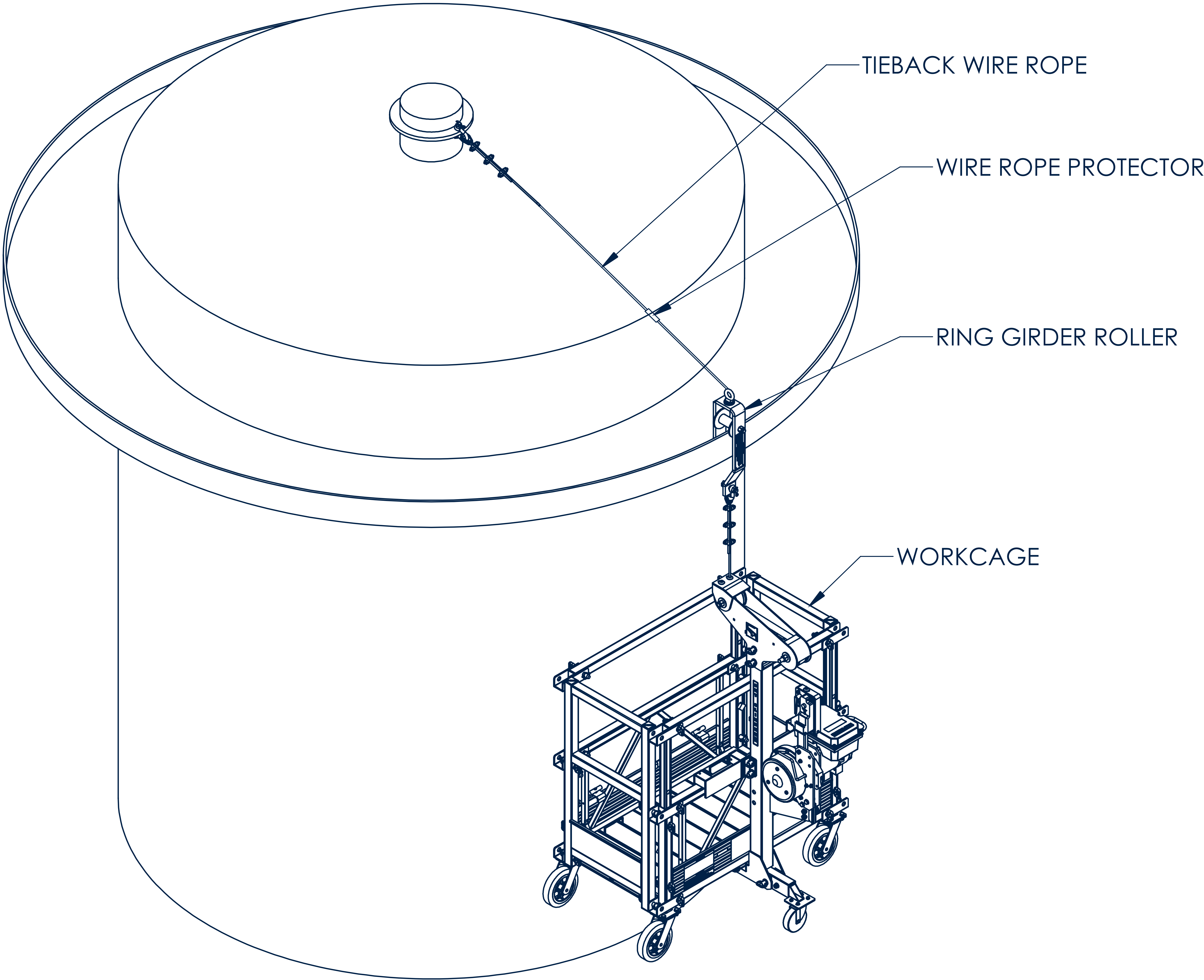
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Tank and Ring Girder Roller with Work Cage Illustration



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First angle projection

Scale
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