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These instructions are provided to the user by the manufacturer and should be saved for future reference.



**Features**

- Features a Special HelixLight Weight Wheel made from heat treated 6061 T6 Aluminum.
- The Helix wheel can be rotated 180 degrees to extend service life.
- The Main Frame, Backup Shield, and axle are manufactured out of 304 steel and are time tested, proven with outstanding durability and structural design for 25 years.
- The Robertson 5051 is a fully rebuild able platform highly recommended for commercial applications.

**Qualifications**

Minimum 3 Sigma breaking strength of not less than 36 κN (8093.16) €

Product- 5051  
 Description- Shear Reduction  
 Third party rated tested  
 3-Sigma 3σ 50κN (11,240 lb.) SWL (€)⁵ @ 2248 lb.

**Requirements**

- NFPA 1983 7.6.5.4 the trolley must be capable of sustaining a 8,093 lb. (36κN) static load or twice the maximum arrest force permitted on the system when certified.
- Inspect pulley after each use in accordance with Manufacturers criteria.
- A cursory inspection by a trained person is essential before each use of the pulley.
- Robertson Harness recommends an annual examination of general condition and function be carried out and recorded by a qualified inspector.

**WARNING**

- Serious injury death may result from misusing or improper use of this equipment.
- This equipment has been designed and manufactured for use by experienced professionals only.
- Do not attempt to use this equipment without proper training.
- Do not alter this equipment in any way.
- Do not use this equipment for anything designed to create a free fall of more than six.

Robertson Harness Inc.

Proudly Made In The USA



Shear Reduction Device  
**STARGATE**

**5051**

Tested to 12,000 lbs



**Inspection**

- Inspect pulley for visible signs that show damage to the trolley: Cracks on the side plates, heavy dents, or elongation of the clip in point.
- Inspect the sheaves for rust, pits, and grooving.
- Inspect the nuts on the axles assemblies for tightness.
- Inspect the trolley for damage if dropped or impact loaded.
- Ensure the sheaves spin freely and do not rub or grind against the pulley housing.
- Remove immediately and destroy if the equipment has been dropped from excessive heights.

Users and Operators need to maintain a log of identifying the history record of the equipment.  
**Sample Maintenance and Inspection Log**

Product Record Card			
Product Type:			
ID /Serial #:			
Purchase Date:		Date of 1st Use:	
Date Inspected	Pass/Fail	Comments	Signature

**Maintenance**

- Protect and store the equipment away from extreme heat or extreme cold.
- Pulley should never be exposed to temperatures above 130° F (54° Celsius) or below -80° F. (Above 62° Celsius).
- Pulley's need to be clean and free from debris before storage.
- If necessary clean pulley with soap and water.
- Pulley needs to be completely dried off before storage.
- Pulley needs to be stored and maintained daily. Do not leave pulley outside on the system to endure mother nature! The sheaves are not stainless steel.
- **Repairs or modifications made by anyone other than Robertson Harness Inc. will void all warranties and liability.**