



Robertson Harness Inc.  
P.O. BOX 90086-0086  
Henderson, NV. 89009 USA  
[www.robertsonharness.com](http://www.robertsonharness.com)  
(702) 564-4286

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

**Features**

- The Robertson Cobra #5070 is a fully rebuild able platform highly recommended for commercial applications.
- The sheaves are case hardened to 56-58 Rockwell and spin on sealed ball bearings.
- The axles are made of 304 steel and are time tested, proving outstanding durability and structural design for 25 years.
- Side plates are .105" thick, made of 304 stainless steel for superior strength.
- Pulley is designed to move a person down a 3/8 - 1/2 cable safely at speeds up to 65mph.

**Qualifications**

- Meets NFPA 1983-2012 pulley performance requirements of general use.
- Minimum 3 Sigma breaking strength of not less than 36 kN (8,093lb.)



Product- 5070 / 5070-H

Description- tandem sheave

Third party rated to NFPA 1983-12 Rating G- General Use Pulley 3-Sigma 3σ 59.2 kN (13,305 lb.) SWL (F)<sup>5</sup> @ 2661 lb.



**Requirements**

- NFPA 1983 7.6.5.4 the trolley must be capable of sustaining a 8,093 lb. (36kN) static load or twice the maximum arrest force permitted on the system when certified.
- This pulley is designed for a single user, unless otherwise specified.
- 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



**Pulley Cobra Series**

5070 3/8 - 1/2  
5070-H 3/8 - 1/2

Dimensions

Length: 7 1/2 190.5mm

Height: 3 1/16 77.56mm

1/2 Width: 3/4 19.1mm

\*Height with hang plates→

→ 6 1/2 165.1mm

\*Also available in size below

5072 5/8 - 3/4

5072-H (handles) 5/8 - 3/4



**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.