

# CHATILLON™ CRANE SCALE KIT

Part No. 10-71X

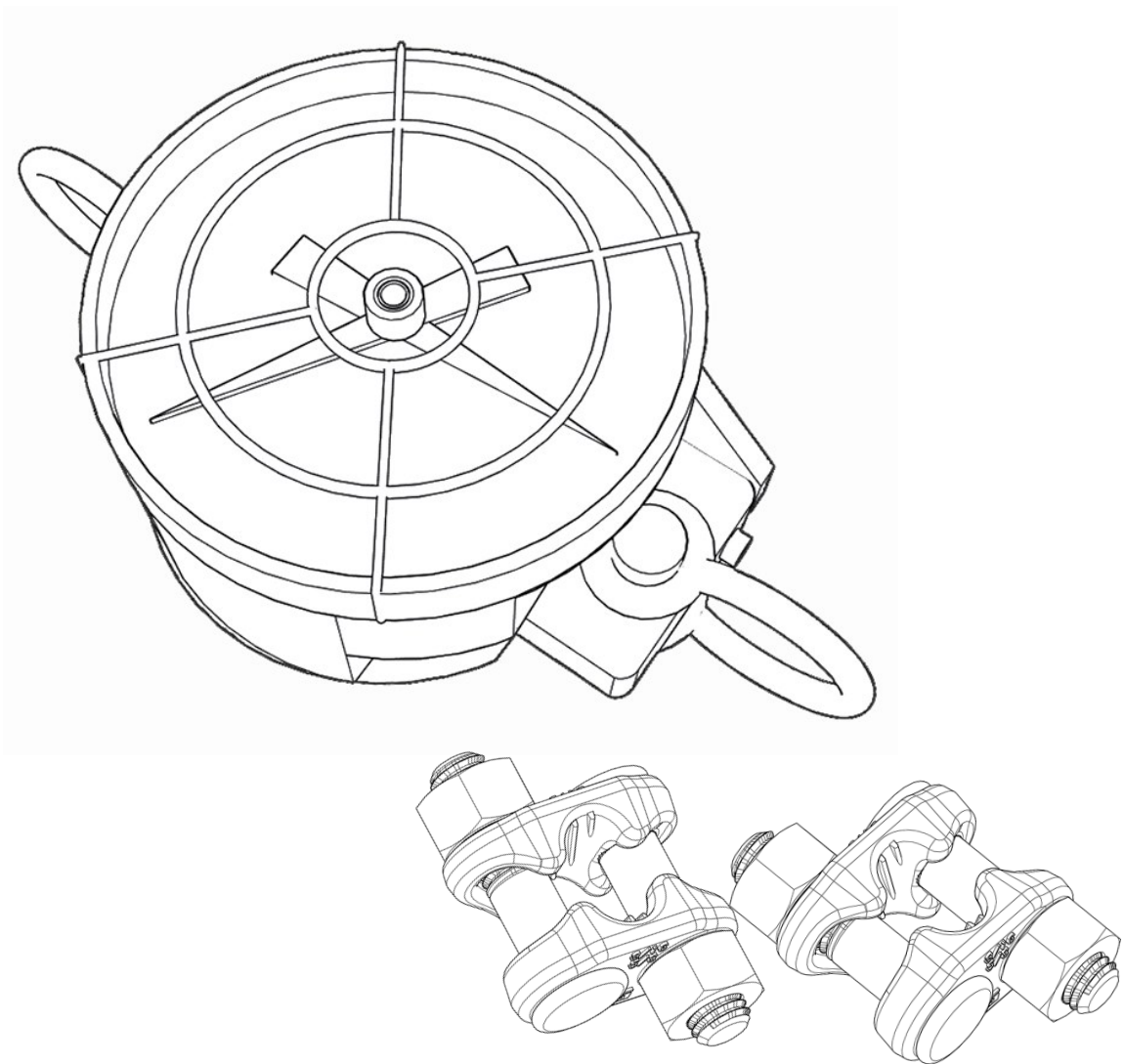


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# NOTICE

## GENERAL WARNINGS

The equipment covered in this manual should only be installed, used, and serviced by qualified personnel trained in proper work and safety procedures. This manual is intended to assist such trained individuals in the installation and use of this equipment and is not intended as a substitute for proper training and experience.

This document or any other information regarding this equipment is not intended to cover all of the possible situations which may be encountered while using the equipment described herein. Should specific situations arise which are not covered by the information provided, or should the user desire further details, the specifics should be directed to Wurtec, Inc.

Note: In the effort of continuous product improvement, Wurtec, Inc. reserves the right to modify the design and specifications of this product at any time without notice.

## CAUTION

Failure to comply with the following guidelines could result in minor to moderate injury:

- Ensure the wire ropes are fully seated in the fist grips.
- Verify that all the fist grip hardware is fully tightened before applying a load.
- Do not exceed capacity on fist grips or scale.

## **EQUIPMENT DESCRIPTION & INTENDED USE**

The Wurtec Chatillon™ Crane Scale Kit is designed for accurate measurement of governor pull-through tension and empty car weights. It features a 5-inch (127 mm) dial with a shatter-resistant cover and an aluminum housing for durability. The scale provides accuracy better than 1% of full scale. Needle bearings in the shackles help prevent brinelling and misalignment, while the sealed mechanism keeps out dust and dirt, requiring no oiling or maintenance. Each kit includes a Certificate of Calibration traceable to NIST, along with a face guard, carrying case, and fist grips.

## **INSTALLATION / ASSEMBLY TOOLS REQUIRED**

The following are the minimum required tools for installation:

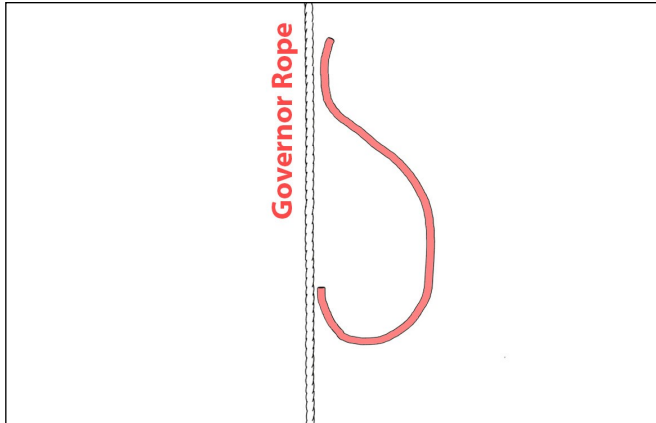
- Wrench and sockets
- Chains, chain hoists, weights, or any other object that applies the necessary force to set the governor
- Length of wire rope

## **PERSONAL PROTECTION EQUIPMENT (PPE) REQUIRED**

The following PPE is recommended for installation:

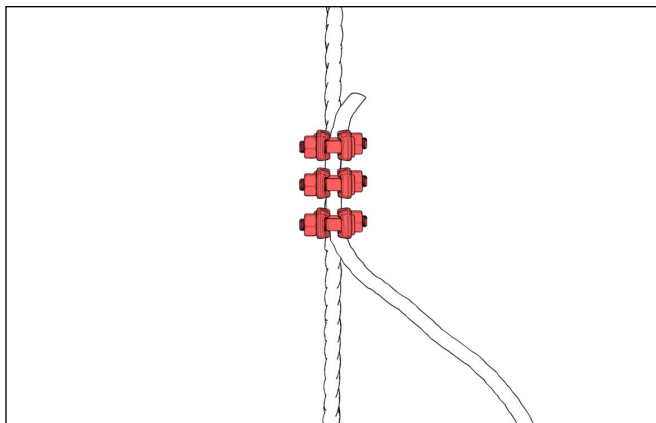
- Safety glasses
- Hard hat
- Abrasion-resistant gloves
- Steel toed boots
- Safety Vest
- Harness and attached lifeline

## INSTALLATION INSTRUCTIONS



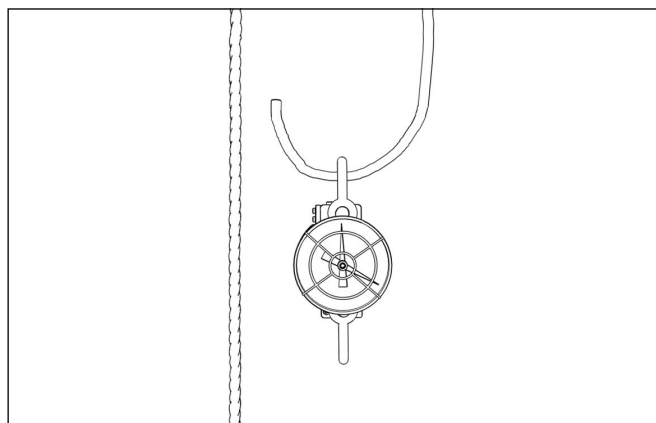
### Step 1: Placing the Wire Rope

- Position a piece of cut wire rope alongside the governor rope.



### Step 2: Attaching the Live End of the Wire Rope

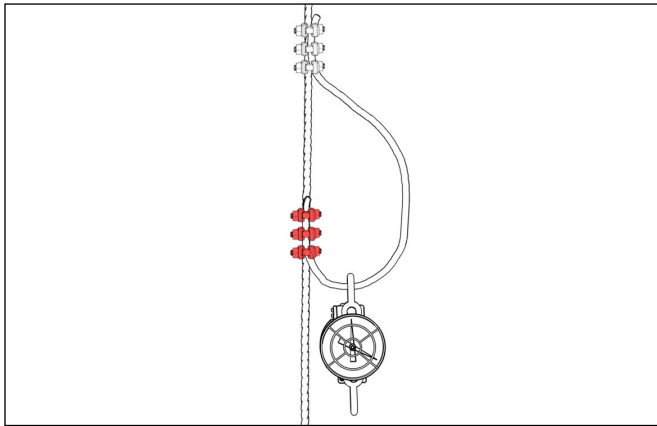
- Loosen the hardware on one side of the first fist grip and remove it.
- Position the governor rope and the additional piece of wire rope inside the fist grip.
- Ensure both ropes are properly seated, then securely re-tighten the hardware.
- Repeat the process to install a second fist grip approximately 2-3" below the first, followed by a third grip positioned approximately 2-3" below the second.



### Step 3: Adding the Scale

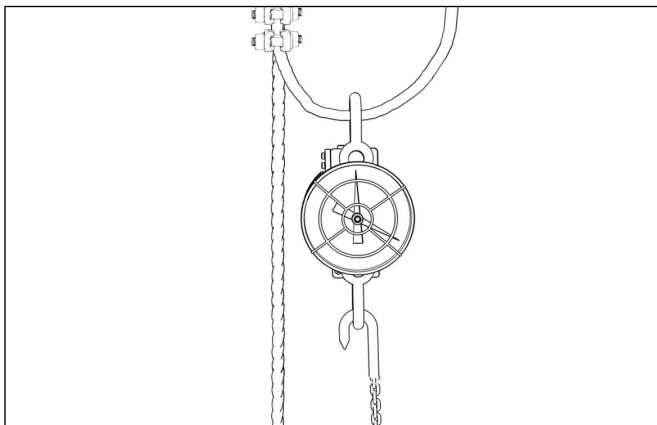
- Thread the loose end of the wire rope through the top shackle on the scale.

## INSTALLATION INSTRUCTIONS



### Step 4: Attaching the Dead End of the Wire Rope

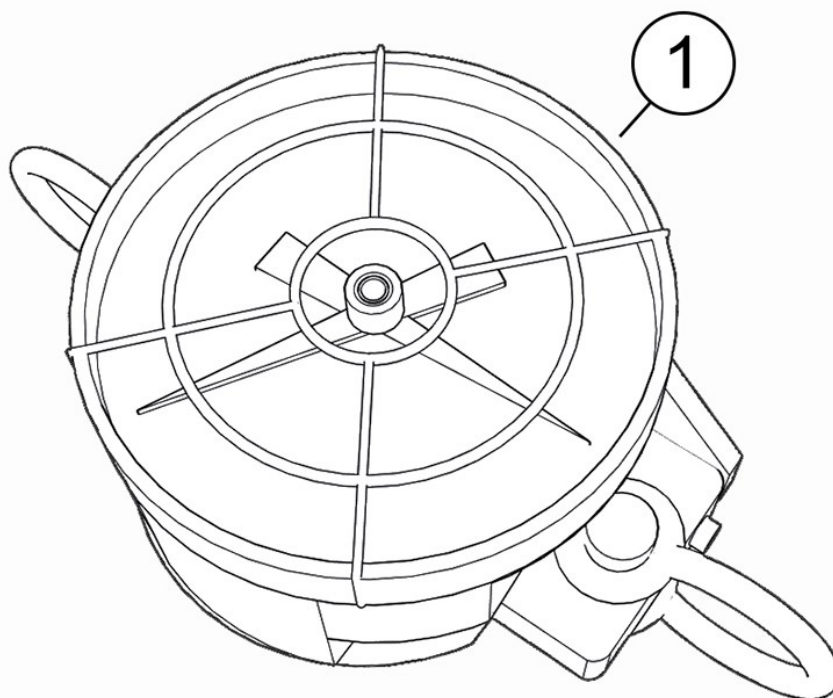
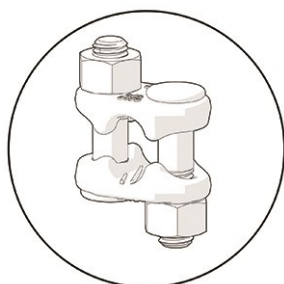
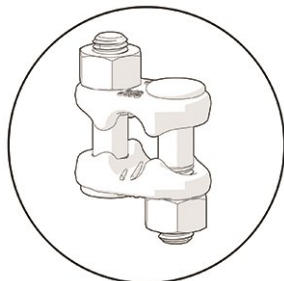
- Position the other end of the cut wire rope to form a loop.
- Secure the dead end of the wire rope to the governor rope using the included fist grips, following the previous steps.
- Repeat the process to install a second fist grip approximately 2-3" below the first, followed by a third grip approximately 2-3" below the second.



### Step 5: Applying the Load

- After securing the wire rope and scale to the governor rope, attach chains, chain hoists, weights, or any other object that applies the necessary force to the bottom of the shackle to set the governor.

## BILL OF MATERIALS



| Item | Qty | 10-710 | 10-711 | 10-712 | 10-713 | 10-714 | Part No.       | Description                                              |
|------|-----|--------|--------|--------|--------|--------|----------------|----------------------------------------------------------|
| 1    | -   | 1      |        |        |        |        | <b>10-710A</b> | CRANE SCALE KIT, 1K LB CAPACITY WITH CASE AND FACEGUARD  |
| 1    | -   |        | 1      |        |        |        | <b>10-711A</b> | CRANE SCALE KIT, 2K LB CAPACITY WITH CASE AND FACEGUARD  |
| 1    | -   |        |        | 1      |        |        | <b>10-712</b>  | CRANE SCALE KIT, 5K LB CAPACITY WITH CASE AND FACEGUARD  |
| 1    | -   |        |        |        | 1      |        | <b>10-713</b>  | CRANE SCALE KIT, 10K LB CAPACITY WITH CASE AND FACEGUARD |
| 1    | -   |        |        |        |        | 1      | <b>10-714</b>  | CRANE SCALE KIT, 20K LB CAPACITY WITH CASE AND FACEGUARD |
| 2    | 6   |        |        |        |        |        | <b>16-002</b>  | FIST GRIP, 3/8"                                          |
| 3    | 6   |        |        |        |        |        | <b>16-004</b>  | FIST GRIP, 7/16-1/2"                                     |
| 4    | 1   |        |        |        |        |        | <b>SKINST</b>  | INSTRUCTIONS, SCALE KIT                                  |

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**NOTES**