

## CATCHBLOCK OHL CATENARY ROLLER OPERATION AND SAFETY GUIDE

### **⚠ ATTENTION**

**READ** and **UNDERSTAND** all of the instructions and safety information in this manual before operating or servicing this tool.

Failure to read and understand these warnings and safe handling instructions could result in severe personal injury or death.

**KEEP THIS MANUAL WITH TOOL.**

Thank you for using Slingco® products. This manual must be read and understood prior to operating this product. Special attention should be paid to the section **'Safety Information'**.

This manual should be kept available to all operating and maintenance personnel.

Additional or replacement manuals may be obtained at no charge by contacting your local Slingco office.

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# SAFETY INFORMATION

## ⚠ ATTENTION

**DO NOT** perform any service or maintenance on this tool other than described in this manual.

Read and follow the operator's manual before using this tool.

This manual should be kept available to all operating and maintenance personnel.

### ⚠ WARNING PINCH POINT HAZARD



- Keep hands away from mechanism, or serious injury may occur.

### ⚠ WARNING GLOVES REQUIRED



- **DO NOT** operate without proper hand protection.

### ⚠ WARNING



Heavy suspended objects can fall. Can cause property damage, severe injury, or even death.

**DO NOT** stand under CatchBlock Twin.

### ⚠ WARNING



Inadequate maintenance or improper use may lead to unexpected failure. Inspect often.

Can cause property damage, severe injury or death.

### ⚠ WARNING



Risks can develop as a result of improper use and lead to death or severe injuries. Improper use compromises, among others:

- Exceeding technical values defined for normal mode.
- Using the system as deflection roller for lifting loads.
- Using the system as load lifting accessory for lifting an individual load.

### ⚠ WARNING



**Damage of ground wire due to defective CatchBlock**

If a defective CatchBlock is damaged and the pulled conductor touches the frame of the CatchBlock, the conductor could be damaged. Check CatchBlock for proper functioning prior to each use. Use only undamaged CatchBlock.

## DESCRIPTION/OPERATION

### INTENDED USE

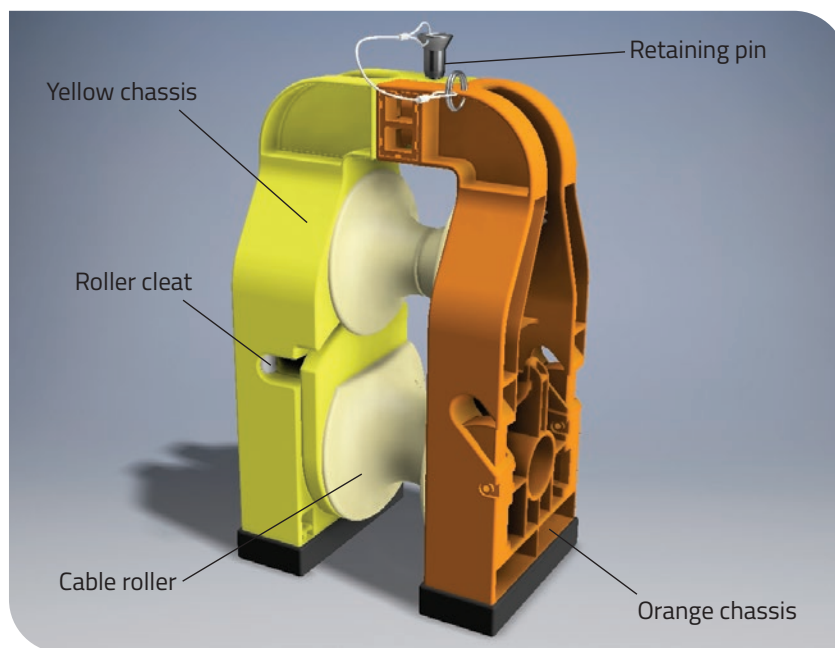
The CatchBlock is exclusively intended for replacing existing earth wire and conductors as part of an OHL network. In certain circumstances they may be used in the proximity of live circuits and thus any local work practices/regulations must be adhered to.

Usage according to the intended use also comprises:

- Observance of all indications in this operating manual
- Exclusive use of original parts

### BUILD-UP OF THE CATCHBLOCK

The figure below shows the main components.



## DESCRIPTION/OPERATION (CONT.)

### FIELD OF APPLICATION

The CatchBlock unit is used to facilitate the safe exchange a conductor with a new conductor. The exchange is made in four work steps:

- a) Deployment of the Catchblock with an electric pulling robot.
- b) Tensioning the CatchBlock support ropes, orange and yellow.
- c) Installation of a new conductor through the cable pulleys of the CatchBlock.
- d) Retrieval of the Catchblocks and support ropes

When deploying the CatchBlock, mount the CatchBlock on the conductor in such a way that the yellow rope is retained in the roller cleat in the side of the yellow chassis and the orange rope is retained in the hook grip on the side of the orange chassis.

### FUNCTION DESCRIPTION

#### CatchBlock on the conductor: Deployment

The schematic diagram below shows the CatchBlocks during the deployment.

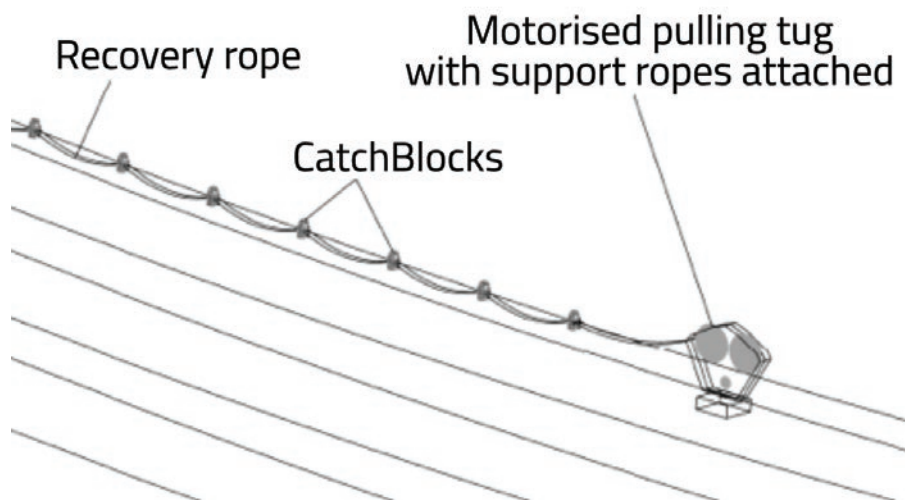


Figure 1: Catchblock unit suspended at the ground wire

## DESCRIPTION/OPERATION (CONT.)

### UTILISATION

The Catchblock has been designed to capture the conductor during re-stringing operations during all pulling processes. In the event of a failure of the conductor ANY Catchblock that has the two exposed tails of conductor passing through the Catchblock roller shall be deemed unusable and set aside for disposal. If the tails are recovered in the process of bringing the ends of the conductors to the opposing towers, the remaining Catchblocks in the span shall be examined for any reason that may reduce the continued life of the Catchblock. These shall be returned to the supplier with the possibility of either replacing parts or a replacement assembly.

### Installing the CatchBlock:

1. Remove chassis retaining pin
2. Operate finger clasp and release chassis catch to open the CatchBlock
3. Rotate lower wheel to align with guard wheel on the yellow chassis
4. Insert yellow rope into guide slot and engage into roller cleat
5. Place the Catchblock over the conductor and close the frame
6. Insert retaining pin
7. Align marker on the orange rope and connect the orange rope into the side frame of the orange chassis

### TECHNICAL DATA

Mechanical data	
Dimensions (l x w x h)	Approx. 30 x 18 x 13 cm
Weight	Approx. 2.2 kg
Materials	
Frame	Nylon
Roller	Nylon
Clamp for pulling cable	Nylon
Stability	
Workload (WLL)	2 kN
Minimum Breaking load (MBL)	8 kN

## DESCRIPTION/OPERATION (CONT.)

### VERIFICATION

Third party verification of design calculations is required before system deployment.

### USE OF LINE TENSIONERS

Should a Zeck Line Tensioner or similar model be required as part of the installation and/or during the operational process in using the Catch Block System, then Slingco insist that a Nyloc nut be added to the clutch shaft of the Line Tensioner to avoid the wingnut coming loose and causing parts to fall on to the hazard.

## MAINTENANCE

The CatchBlock is designed to be low maintenance. Periodic cleaning will be required.

## SPARE AND WEAR PARTS

Spare parts are available from your local Slingco office or authorised distributor.

## TRANSPORT

During transport, protect the CatchBlocks against mechanical damages. To this effect, use appropriate transport boxes and cushioning packaging material.

**ALL CATCHBLOCKS MUST BE TRANSPORTED IN A CLOSED POSITION WITH THE RETAINING PIN ENGAGED**

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**KEEP THIS MANUAL WITH TOOL.**

## **WARNING**

Cancer and Reproductive Harm [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



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