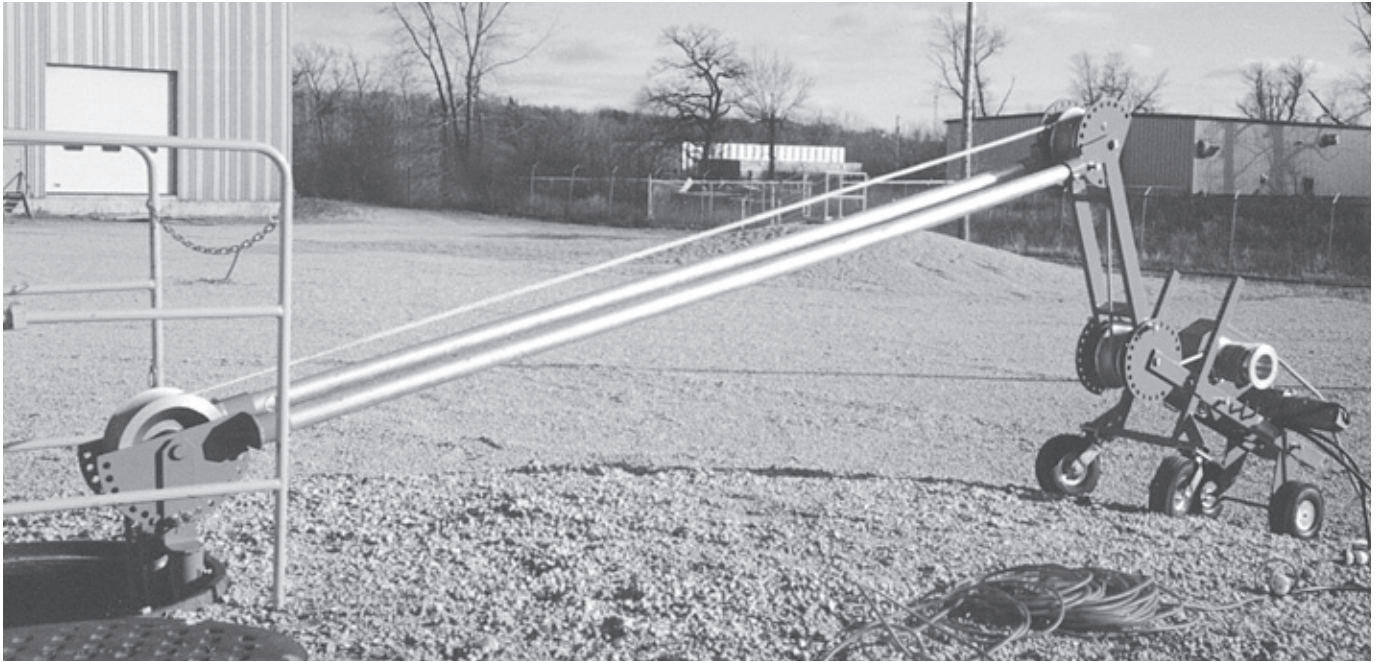


# Extension Frame



**CONDUX**

**ISO 9001:2008**  
CERTIFIED

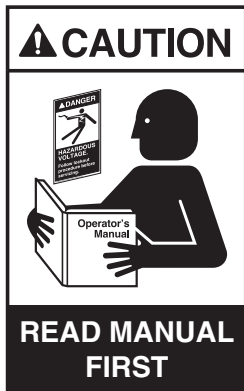
# ***Important Safety Notice***

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Read and understand all procedure and safety instructions before using the Condux CableGlider Cable Puller Extension Frame. Observe all safety information on these pages and note specific safety requirements as explained by procedures called out in this manual. Failure to follow these instructions could result in serious personal injury or death.

## **ADVERTENCIA:**

Favor de leer y comprender todas las instrucciones de operación y seguridad antes de usar la máquina. Si Ud. no comprende las instrucciones favor de consultarle a su jefe.



**Save this user's guide for future reference.**

	<p>If you have questions on:</p> <p><b>SAFETY - OPERATIONS - APPLICATIONS</b></p> <p>CALL 1-800-533-2077</p>
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# General Information

The Condux CableGlider Cable Puller Extension Frame is designed for pulling jobs where a longer reach and added stability are necessary. It is ideal for pulling from deep manholes (Figure 1) or high overhead ducts (Figure 2). Extra slack can be pulled with the Extension Frame when needed for termination.

The extension frame is designed for use with the Condux CableGlider Cable Puller and its accessories. 2" Sch 40 GRC steel duct for the Extension Frame is not included.

1.

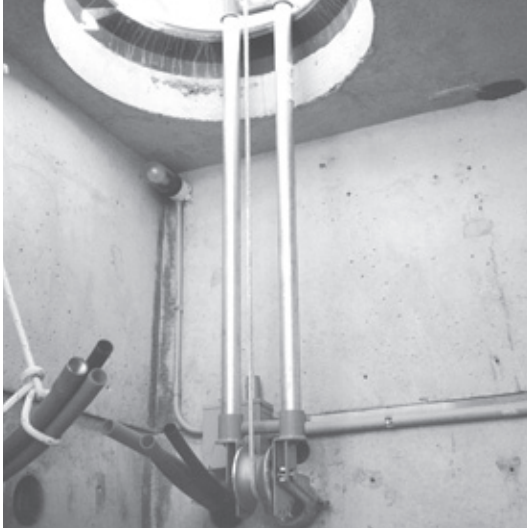


Figure 1

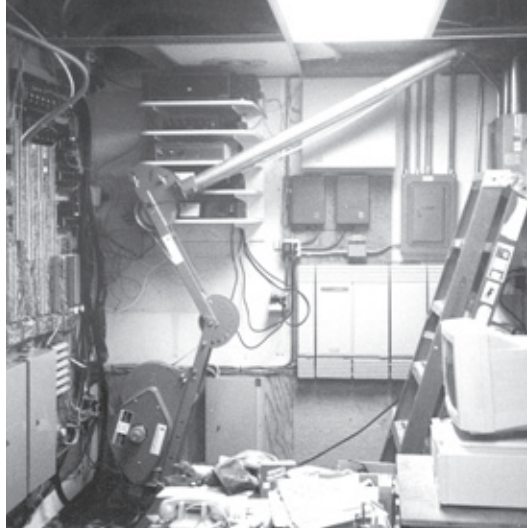


Figure 2

## CableGlider Cable Puller Reference

**IMPORTANT:** The user of the Extension Frame must have a complete understanding of the Condux CableGlider Cable Puller. Read and understand operator's instructions and safety manual for the CableGlider Cable Puller before attempting to use it or the extension frame.

2.



# Components

## 3.

Two Extension Frame Kits available- One for Plus and HD CableGlider Cable Pullers (Figure 3) and One for the STD CableGlider Cable Puller (Figure 4). Each kit contains the following items:

- 1 Cable Puller Adapter
- 1 Center Joint
- 1 Duct End Joint

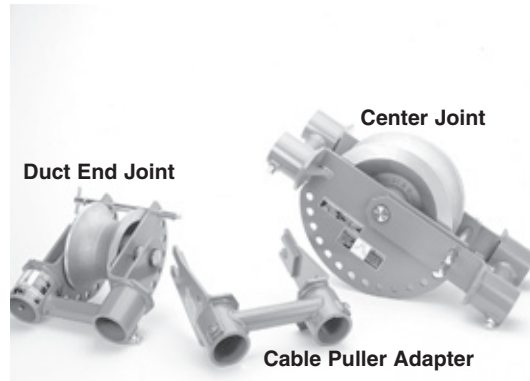


Figure 3

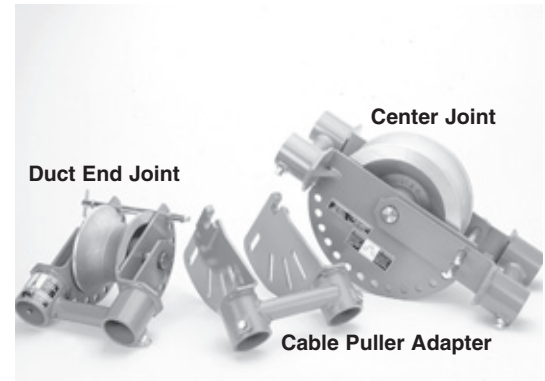


Figure 4

In addition to these items, a corresponding conduit adapter & retaining fork (both included with CableGlider Cable Puller) and 2" Sch 40 GRC steel duct (not included) are needed.



**!WARNING: Only use 2" Sch 40 GRC steel duct with Extension Frame. Thin wall steel duct (EMT) or PVC duct will not withstand the loads generated and will bend and break causing serious personal injury or death.**

The **Cable Puller Adapter** attaches to the first pivot arm of the CableGlider Cable Puller.

**NOTE: The second pivot arm on the Plus and HD CableGlider Cable Puller models must be removed before using the Extension Frame. Attach Cable Puller Adapter to first pivot arm only.**

The Extension Frame **Center Joint** is a directional joint placed between the CableGlider Cable Puller and the conduit location. It provides a range of almost 180 degrees of adjustment to the Extension Frame configuration. The Center Joint can be used, for example, when pulling from a deep manhole. The Center Joint is not needed in every configuration.

The **Duct End Joint** connects to the Retaining Fork/Conduit Adapter. It too is directionally adjustable to meet the configuration needs of the pull.

**IMPORTANT: The Condux CableGlider Cable Puller Extension Frame provides a nearly infinite number of possible configurations. Several things, however, should be kept in mind when configuring and assembling the Extension Frame:**

1. Cable Puller Stability
2. Amount of slack desired
3. The proximity of the Cable Puller and the conduit

**NOTE: The order of the following assembly instructions may vary depending on job situations and configuration requirements. Always determine the approximate Extension Frame configuration for the particular pull before assembling.**

# Assembly Instructions

## A. PREPARE CONDUIT FOR DUCT END JOINT

Corresponding size **Conduit Adapter** fits into **Retaining Fork** and is secured by tightening thumb screws. Conduit Adapter is then inserted into conduit (Figure 5). (Conduit Adapters and Retaining Fork for 2", 3", 3 1/2" and 4" conduit are included with CableGlider Cable Puller. Larger sizes are available from Condux.)

## B. ATTACH DUCT END JOINT TO RETAINING FORK

The Extension Frame **Duct End Joint** attaches to the **Retaining Fork** on milled slots and is secured with a locking pin. Duct End Joint can be adjusted for specific pull configurations and is secured with a locking pin (Figure 6).



Figure 5

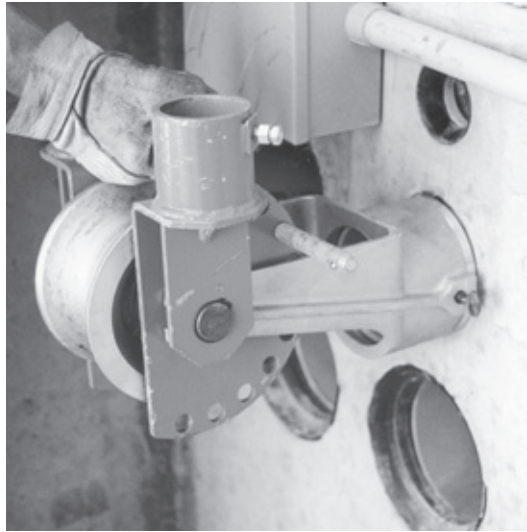


Figure 6

## C. INSERT 2" GRC STEEL DUCT IN DUCT END JOINT

The two pieces of 2" Sch 40 GRC steel duct connect to the Extension Frame **Duct End Joint** in cylindrical duct ports and are secured by tightening cap screws and lock nuts (Figure 7).



Figure 7

**!WARNING: Only use 2" Sch 40 GRC steel duct with Extension Frame. Thin wall steel duct (EMT) or PVC duct will not withstand the loads generated and will bend and break causing serious personal injury or death.**



# 4.



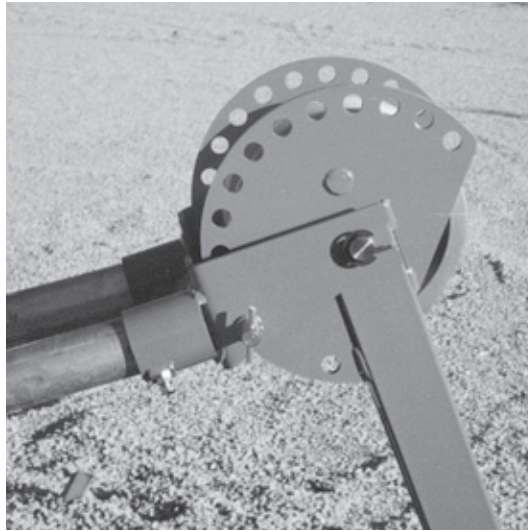


Figure 8



Figure 9

#### D. ATTACH CABLE PULLER ADAPTER TO CABLE PULLER

The HD and Plus (Figure 8), & STD Extension Frame **Cable Puller Adapters** (Figure 9) attach to the corresponding CableGlider Cable Puller pivot arm on milled slots. The Cable Puller Adapter can be adjusted and is secured with locking pins.

**IMPORTANT:** The adapter will only attach to the first pivot arm. The second pivot arm must be removed from HD and Plus CableGlider Cable Puller models before attaching the Extension Frame Cable Puller Adapter.

#### E. INSERT 2" GRC STEEL DUCT IN CABLE PULLER ADAPTER

The 2" two pieces of Sch 40 GRC steel duct connect to the **Cable Puller Adapter** in the cylindrical duct ports and are secured by tightening the cap screws and lock nuts (Figure 10).



**!WARNING:** Only use 2" Sch 40 GRC steel duct with Extension Frame. Thin wall steel duct (EMT) or PVC duct will not withstand the loads generated and will bend and break causing serious personal injury or death.



Figure 10

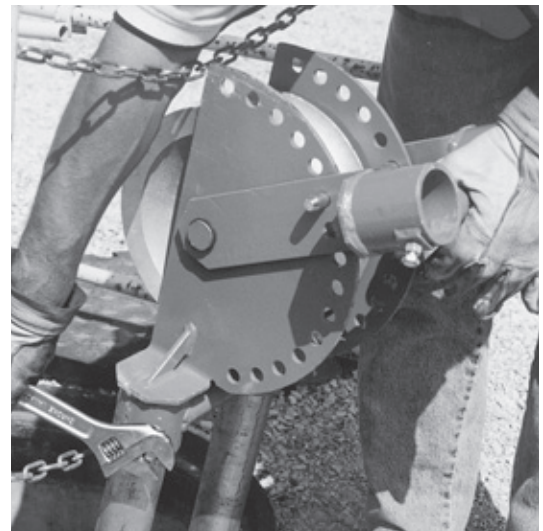


Figure 11



Figure 12

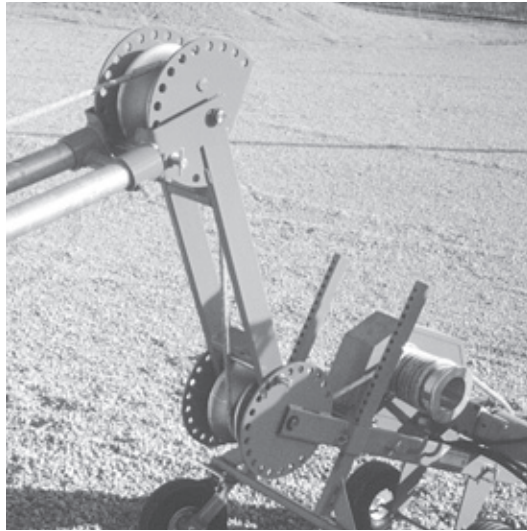


Figure 13

### F. CONNECT USING CENTER JOINT

If applicable, the **Center Joint** can be adjusted to match Extension Frame configuration and is secured with locking pins. The 2" Sch 40 GRC steel duct from the Duct End Joint and from Cable Puller Adapter connects to the Extension Frame Center Joint in the cylindrical duct ports and is locked in place by tightening the cap screws and lock nuts (Figure 11).

**NOTE: When Center Joint is not needed, 2" Sch 40 GRC steel duct from Duct End Joint connects directly to Cable Puller Adapter in the cylindrical duct ports and is locked in place by tightening the cap screws and lock nuts (Figure 12).**

### G. THREAD CABLE PULLING ROPE

Pulling rope must be thread from the conduit across all sheaves on the Extension Frame and through the CableGlider Cable Puller (Figure 13). Please refer to CableGlider Cable Puller manual for proper Cable Puller set up.

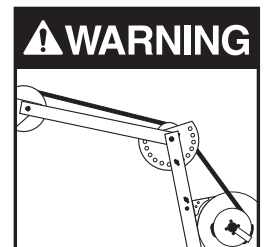
**!WARNING: Pulling rope must contact ALL sheaves on frame and puller when threading. Puller frame will bend and break causing serious personal injury or death if not threaded properly.**

### H. ENSURE CONFIGURATION INTEGRITY/STABILITY

Make sure that all cap screws, thumb screws and lock nuts are secure. Make sure all locking pins are in place. Make sure all connections are made properly.

### I. OPERATE CAREFULLY

Operate CableGlider Cable Puller as per Cable Puller manual.



# Warranty Information

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5.

Condux International, Inc. extends the following warranty to the original purchaser of these goods for use, subject to the qualifications indicated:

Condux International, Incorporated warrants to the original purchaser for use that the goods or any component thereof manufactured by Condux International will be free from defects in workmanship for the period of one year from the date of purchase, provided such goods are installed, maintained, and used in accordance with Condux's written instructions.

Components not manufactured by Condux International but used within the assembly provided by Condux International are subject to the warranty period as specified by the individual manufacturer of said component, provided such goods are installed, maintained and used in accordance with Condux's and the original manufacturer's written instructions.

Condux's sole liability and the purchaser's sole remedy for a failure of goods under this limited warranty, and for any and all claims arising out of the purchase and use of the goods, shall be limited to the repair or replacement of the goods that do not conform to this warranty.

To obtain repair or replacement service under the limited warranty, the purchaser must contact the factory for a Return Material Authorization (RMA). Once obtained, send the RMA along with the defective part or goods, transportation prepaid, to:

Condux International, Inc.  
145 Kingswood Drive  
Mankato, MN 56001 USA

**THERE ARE NO EXPRESS WARRANTIES COVERING THESE GOODS OTHER THAN AS SET FORTH ABOVE. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO ONE YEAR FROM DATE OF PURCHASE.**

**CONDUX ASSUMES NO LIABILITY IN CONNECTION WITH THE INSTALLATION OR USE OF THIS PRODUCT, EXCEPT AS STATED IN THIS LIMITED WARRANTY. CONDUX WILL IN NO EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.**



**Condux International, Inc.**

P.O. Box 247 • 145 Kingswood Drive, Mankato, MN 56002-0247 USA

1-507-387-6576 • 1-800-533-2077 • FAX 1-507-387-1442

<http://www.condux.com> • [cndxinfo@condux.com](mailto:cndxinfo@condux.com)

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