

Limited Warranty

Condux International, Incorporated 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 a period of 1 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 56002

THERE ARE NO EXPRESS WARRANTIES COVERING THESE GOODS OTHER THAN AS SET FORTH ABOVE. THE IMPLIED WARRANTIES OR 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.



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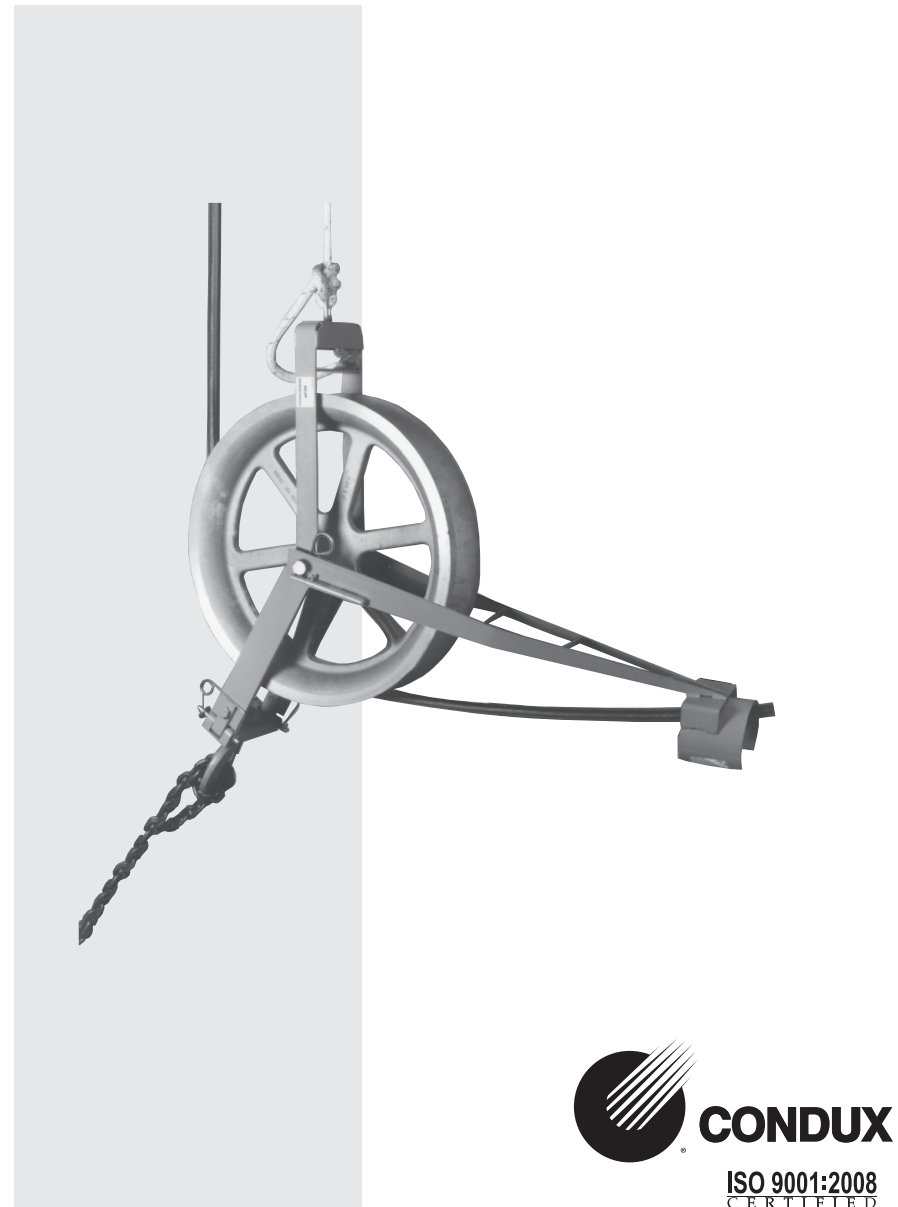
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USER GUIDE

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Hooked Hanger Sheave



Installation Procedure

1. Choose the correct size sheave depending upon the cable's outer diameter and the cable manufacturer's recommended cable bending radius. Refer to the Condux Cable Installation Equipment & Tools Catalog for sheave dimensions.
2. Hang the **sheave** in the manhole using a rope attached to the **sheave support arm**. Position the sheave so that the **cable** contacts the sheave in a horizontal line.
3. Attach a **load-rated chain** between the **sheave tie-down arm** and a **pulling-in iron**. If no pulling-in irons are present or usable, use a Condux Jamb Skid.
4. If the sheave is angled away from the duct, use a Condux **alignment arm** to keep the cable from jumping off the sheave.

For installation or removal from existing cables, the sheave tie-down arm can be split and swung out of the way. Simply remove a locking pin from the side of the arm and swing the yoke out of the way. Only the supplied locking pin or grade 8 bolt should be used to lock yoke to arm.

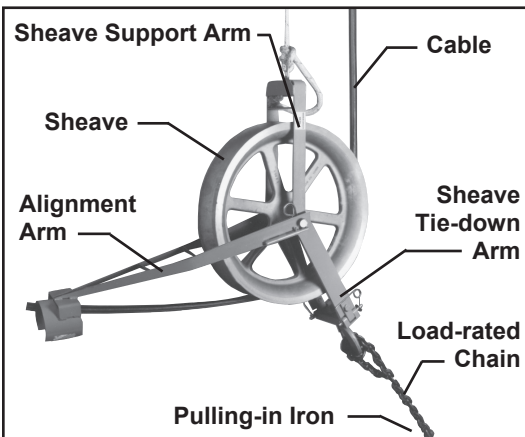


Figure 1.
Hanging Installation

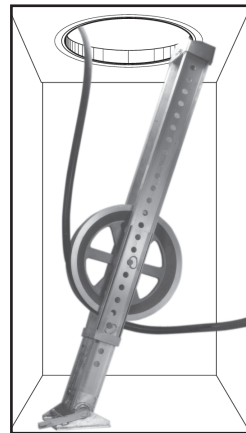


Figure 2.
Jamb Skid Installation

Load Rating Information

All Condux Hooked Hanger Sheaves are load rated for 10,000 pounds of line tension. If used to guide cable around a 90° arc, the hanger arms could be subjected up to 14,000 lbs of force. If used to guide cable around a 180° arc, the hanger arms could be subjected up to 20,000 lbs of force. All tie-down accessories must be load rated to handle these pulling forces.

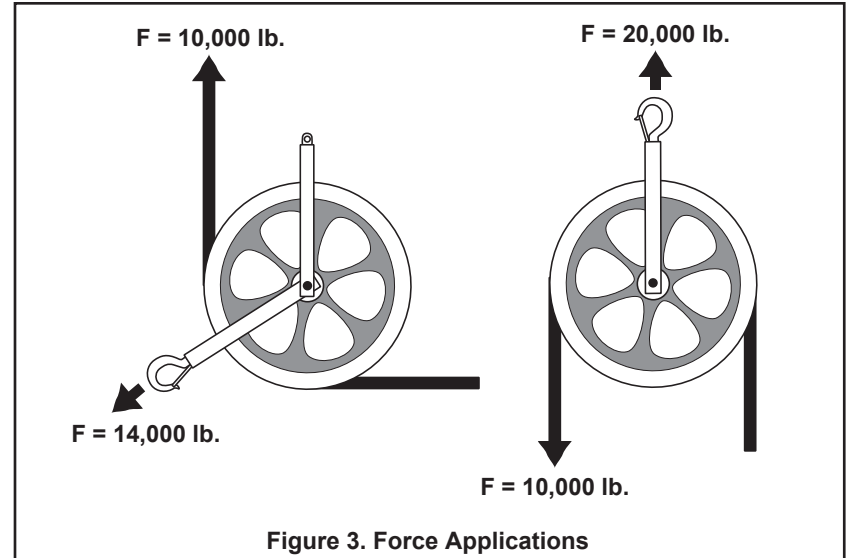


Figure 3. Force Applications



!WARNING: Read, understand, and save all procedure and safety instructions before using any Condux® Hooked Hanger Sheave. Failure to do so could result in personal injury or property damage. Save this user's guide for future reference.



!ADVERTENCIA: Favor de leer y comprender todas las instrucciones de operación y seguridad antes de usar el Condux® Hooked Hanger Sheave. Si Ud. no comprende las instrucciones favor de consultarle a su jefe.



!CAUTION: Follow all manhole standard operating procedures, including work area protection and gas detection. Wear personal protective equipment: hard hat, safety glasses, safety shoes, and leather work gloves.



!WARNING: Do not remain in the manhole when pulling cable. The cable is under tension. Severe personal injury or death could result.



!WARNING: Do not exceed the load capacities of the Condux Hooked Hanger Sheave, the tie-down chain, or the pulling-in iron. Severe personal injury or property damage could result.