# OPERATING, SAFETY AND SERVICE INSTRUCTION MANUAL

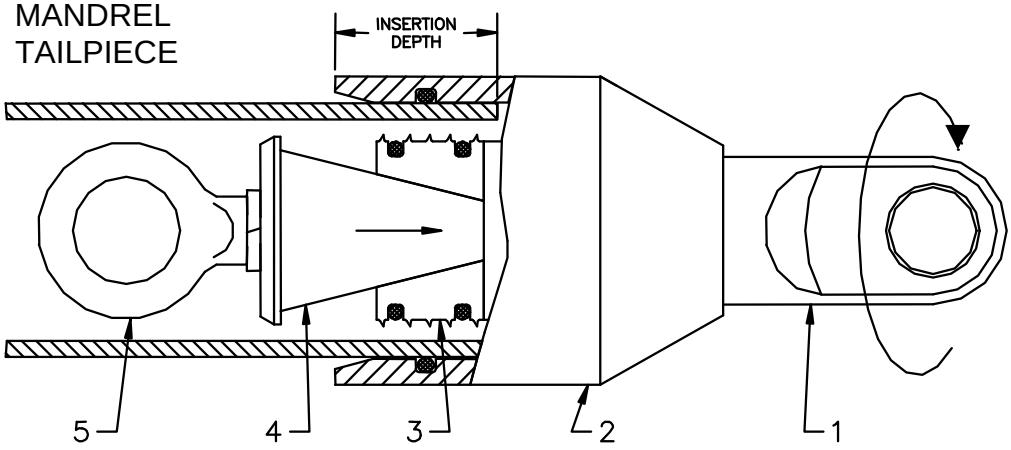
## DCD Design & Manufacturing Ltd.

## Pest Duct Puller

Read and understand this material before using these products.

**The Pest Duct Puller is specifically sized for pulling HDPE steel armor conduit. The duct puller pulls, seals (tested to over 60 p.s.i.), and prevents the duct from stretching or the layers separating by utilizing the outer body in combination with the expanding jaws. This design also features a full size rear eye nut for back loads.**

1 HEAD
2 BODY
3 JAWS
4 MANDREL
5 TAILPIECE



## INSTALLATION

1. Collapse the expanding jaws by gripping the mandrel and body of the puller and turn the head in a counter clockwise direction.
2. Attach pull tape to the tailpiece if desired.
3. Insert the puller over the duct until it butts up to the inside face of the body. Note: If the puller does not fit, the duct may be out of round and will need to be re-rounded with a vise or set of grips.
4. Grip the body of the puller, pull the head outward while rotating in a clockwise direction until you feel the jaws make contact with the inside diameter of the duct. Continue to rotate approximately 4 rotations until tight.
5. To remove the puller, grip the body and turn the head counter clockwise until the jaws release. Remove the puller from the duct. If the jaws have not disengaged, tap lightly with a hammer on the outside of the duct.

| Pest Duct Puller Part Number | Nominal Duct Diameter | Duct Insertion Depth | Net Weight |
|---|---|---|---|
| **C2012-125** | 1-1/4" | 1.2”<br>30.4mm | 2.2 lb.<br>0.99 kg |

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# Pest Duct Puller

SAFE OPERATING PRACTICES
*SAVE THESE INSTRUCTIONS*

## OPERATION

DANGER

1. Polyethylene ducting is subject to creep failure at stress levels well below its yield strength. For values applicable to your duct, consult the duct manufacturer, exceeding these values may cause permanent deformation to the duct.
2. **DO NOT USE THIS PRODUCT WITH STEEL PIPE.**
3. This product **must not** be used if the pulling mechanism functions in a **counter clockwise rotation**. This will cause the duct puller to loosen its grip within the duct.
4. A swivel must **always** be used between the duct puller and the pulling mechanism to avoid severe damage to the duct and the duct puller as well as extreme likelihood of personal injury.

| Nominal Duct Diameter | Duct Puller Part Number | Safe ① Working Limit | Duct Puller Jaw Range | ARMOR-GUARD™ Conduit Dimensions |
|---|---|---|---|---|
| 1-1/4” | **C2012-125** | 3600 lb.<br>16.0 kN | 1.350” (34.2mm) Min<br>1.600” (40.6mm) Max. | 1.910" (48.5mm) O.D.<br>1.444" (36.6mm) I.D. |

①The **Safe Working Limit** of the puller is calculated using a 3:1 safety factor based on the ultimate load.
Operation of the puller at loads in excess of its **Safe Working Limit** may cause permanent damage and the warranty will be voided.

## SAFETY

WARNING

1. Certain factors may cause the pull to separate and release the stored energy of the duct, rope, chain or cable. Make sure that all components of the pulling system are able to withstand the maximum pulling loads. Components not rated for the pull force may break and release the stored energy of the pull. Never use a worn, defective or incomplete component.

2. Be prepared for the unexpected. Always use recognized safety practices and wear recognized safety equipment.

## SERVICE

CAUTION

1. To maintain this product in the best possible condition, a light smear of grease should be applied to the surface of the taper on the mandrel and the thread it rides on, after each use.

Armor-Guard™ is a trademark of A-D Technologies.