OPERATING INSTRUCTIONS

READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE USING THESE PRODUCTS.

April 2012

SERIES 00616 DUCT PULLER

SAFETY

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.

INSTALLATION

1. Collapse the expanding jaws by gripping the mandrel and faceplate of the puller and turn the eye in a counter clockwise direction.
2. Attach pull tape to the rear eye if desired.
3. Insert the puller over the duct until it butts up to the inside of face of the faceplate. Tap the eye with a hammer if necessary.
4. Grip the faceplate of the puller, pull the eye outward while rotating in a clockwise direction until you feel the jaws make contact with the inside diameter of the duct. Continue to rotate until tight.
5. To remove the puller, grip the faceplate and turn the eye counter clockwise until 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.

Duct Puller Part Number	Nominal Duct Diameter	Net Weight
00616-200	2”	3.2 lb 1.4 kg
00616-250	2-1/2”	4.5 lb 2.0 kg
00616-300	3”	5.7 lb 2.6 kg
00616-400	4”	14.6 lb 6.6 kg
00616-500	5”	24.5 lb 11.1 kg
00616-600	6”	47.9 lb 21.7 kg

OPERATION

1. Polyethylene ducting is subject to creep failure at stress levels well below its yield strength. The following table contains recommended maximum loads that are based on 40% of the yield strength of polyethylene pipe conforming to ASTM D3350. Exceeding these values may cause permanent deformation to the pipe. These values may vary depending on the properties of your specific pipe. For values applicable to your pipe, consult the pipe manufacturer.
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.

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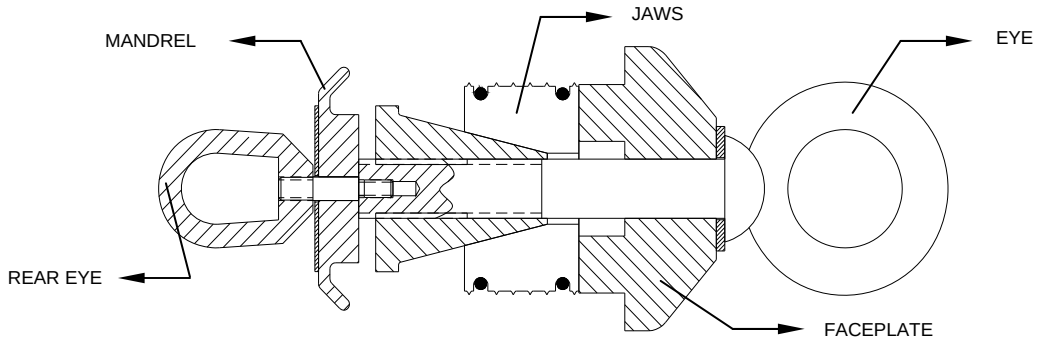
SERIES 00616 DUCT PULLER

Nominal Duct Diameter	Duct Puller Part Number	Safe Working Limit	Maximum Recommended Load for Polyethylene Pipe				
			SDR 9	SDR 11	SDR 13.5	SDR 15.5	SDR 17
2”	00616-200	5600 lb 25 kN	2240 lb 9.96 kN	1960 lb 8.72 kN	1640 lb 7.30 kN	1450 lb 6.45 kN	1340 lb 5.96 kN
2-1/2”	00616-250	8200 lb 36 KN	3280 lb 14.59 kN	2750 lb 12.23 kN	2410 lb 10.72 kN	5280 lb 23.49 kN	4900 lb 21.80 kN
3”	00616-300	12000 lb 53 kN	4870 lb 21.66 kN	4250 lb 18.90 kN	3560 lb 15.84 kN	3100 lb 13.79 kN	2880 lb 12.81 kN
4”	00616-400	20000 lb 89 kN	8040 lb 37.76 kN	6960 lb 30.96 kN	5890 lb 26.20 kN	5070 lb 22.55 kN	4750 lb 21.13 kN
5”	00616-500	30000 lb 133 kN	12300 lb 54.71 kN	10280 lb 45.73 kN	9010 lb 40.08 kN	7920 lb 35.23 kN	7210 lb 32.07 kN
6”	00616-600	42000 lb 187 kN	17430 lb 77.53 kN	14590 lb 64.90 kN	12770 lb 56.80 kN	10650 lb 47.37 kN	10300 lb 45.82 kN

①The **Safe Working Limit** of the puller is calculated using a 1.2:1 safety factor based on the ultimate load.
②The **Ultimate Load** is the tensile loading required to separate the puller into two or more parts.
Operation of the puller at loads in excess of its **Safe Working Limit** may cause permanent damage and the warranty will be voided.

SERVICE

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.



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