OPERATING INSTRUCTIONS

READ AND UNDERSTAND THESE INSTRUCTIONS BEFORE USING THESE PRODUCTS.

Jun 2019

SERIES 00617 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
00617-040	40mm	1.2 lb .55 kg
00617-050	50mm	1.5 lb .68 kg
00617-063	63mm	3.3 lb 1.5 kg
00617-075	75mm	4.2 lb 1.9 kg
00617-090	90mm	5.1 lb 2.3 kg
00617-110	110mm	13.2 lb 6.0 kg
00617-125	125mm	15.6 lb 7.1 kg
00617-140	140mm	19.6 lb 8.9 kg
00617-160	160mm	41.4 lb 18.8 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.
5. Ensure duct edge is clean and burr free to allow entry of duct plugger disc into conduit. A chamfer and grease may also be applied if required.

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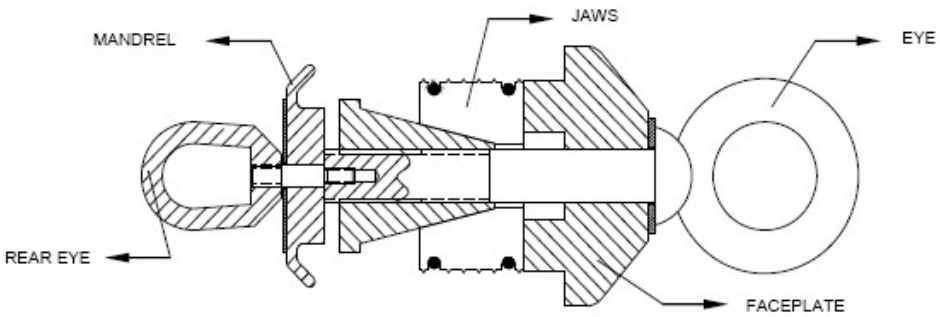
Nominal Duct Diameter	Duct Puller Part Number	Safe Working Limit Rear eye	Safe Working Limit	Maximum Recommended Load for Polyethylene Pipe				
				PN 20	PN 16	PN 13	PN 10	PN 6
40mm	00617-040	1101 lb 4.9 kN	4300 lb 19.1 kN	984 lb 4.3 kN	824 lb 3.6 kN	684 lb 3.0 kN	552 lb 2.4 kN	348 lb 1.5 kN
50mm	00617-050	1101 lb 4.9 KN	4300 lb 19.1 KN	1540 lb 6.8 kN	1288 lb 5.7 kN	1068 lb 4.7 kN	864 lb 3.8 kN	544 lb 2.4 kN
63mm	00617-063	1300 lb 5.8 kN	8600 lb 38.2 KN	2444 lb 10.8 kN	2044 lb 9.0 kN	1696 lb 7.5 kN	1368 lb 6.0 kN	864 lb 3.8 kN
75mm	00617-075	1300 lb 5.8 kN	8600 lb 38.2 KN	3464 lb 15.4 kN	2896 lb 12.8 kN	2404 lb 10.6 kN	1940 lb 8.6 kN	1224 lb 5.4 kN
90mm	00617-090	1300 lb 5.8 kN	8600 lb 38.2 KN	5000 lb 22.2 kN	4160 lb 18.5 kN	3440 lb 15.3 kN	2796 lb 12.4 kN	1764 lb 7.8 kN
110mm	00617-110	3754 lb 16.7 kN	12000 lb 53.4 kN	7440 lb 33.0 kN	6240 lb 27.7 kN	5160 lb 22.9 kN	4160 lb 18.5 kN	2632 lb 11.7 kN
125mm	00617-125	5103 lb 22.7 kN	12000 lb 53.4 kN	9600 lb 42.7 kN	8040 lb 35.7 kN	6680 lb 29.7 kN	5400 lb 24.0 kN	3400 lb 15.1 kN
140mm	00617-140	5103 lb 22.7 kN	12000 lb 53.4 kN	12080 lb 53.7 kN	10080 lb 44.8 kN	8360 lb 37.1 kN	6760 lb 30.0 kN	4280 lb 19.0 kN
160mm	00617-160	5103 lb 22.7 kN	22100 lb 98.3 kN	15760 lb 70.1 kN	13200 lb 58.7 kN	10960 lb 48.7 kN	8840 lb 39.3 kN	5560 lb 24.7 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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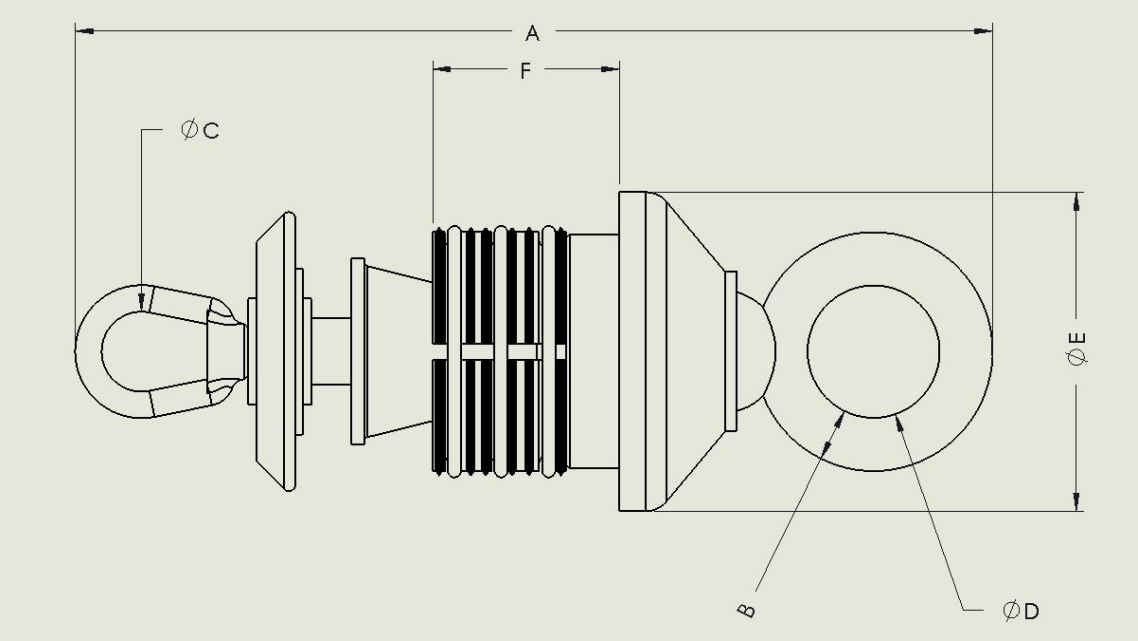

Part Number	A	B	C	D	E	F
00617-040	6-23/32”	7/16’’	3/4"	7/16’’	1-5/8"	4 Teeth
00617-050	6-23/32”	7/16’’	3/4”	1-3/16”	2"	4 Teeth
00617-063	8-17/32"	19/32’’	3/4”	1-1/4"	2-1/2"	5 Teeth
00617-075	8-17/32”	19/32’’	13/16”	1-1/4"	3"	6 Teeth
00617-090	8-17/32”	19/32’’	3/4”	1-1/4"	3-5/8"	6 Teeth
00617-110	11-1/2"	5/8’’	1”	1-1/2"	4-3/8”	6 Teeth
00617-125	11-1/2"	5/8’’	1"	1-1/2”	5”	6 Teeth
00617-140	11-1/2"	5/8’’	1"	1-1/2”	5-5/8”	6 Teeth
00617-160	16-3/16"	7/8’’	1-9/32”	2"	6-5/16"	8 Teeth

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