



## SERIES 160 SIDE DOOR OVERSHOTS

### Overview

A Logan Series 160 Side Door Overshot is recommended when fishing for cable tools or conductor lines in cased holes. The side door overshoot is run in on tubing or drill pipe. Line can be fed into the tool by removing the door on the side of the bowl. The door is put back into position after the line is in place. The feature eliminates the necessity of cutting the line or cable and the possibility of the lines fouling when there are two lines in the hole.

### Construction

Principal parts of the Series 160 Side Door Overshot are a bowl, grapple, and grapple control.

### Operation

Remove the side door and interior parts. Place the bowl on the cable and fasten the side door. Slip the grapple onto the cable and screw into place in the bowl. Slip the grapple control into place and fasten the control screws.

Run in the overshoot. As the overshoot nears the fish, slowly rotate the string to the right as it is gradually lowered over the fish. The wickered grapple will engage the fish. Continued lowering and right-hand rotation of the string will move the grapple upward within the bowl. The grapple will expand to allow easy entry of the fish.

### To Pull the Fish

Release torque out of the string and exert an upward strain on the pipe. The friction of the fish on the grapple wickers will pull the grapple down into the bowl. This causes the grapple to contract and tightly grip the fish. Maintain an upward strain on the string to pull the fish out of the hole.

### To Release from a Fish

Bump down to break the grip. Gradually raise the string while slowly rotating it to the left.

Follow the same procedure to release from a recovered fish being sure to hold the fish below the overshoot.

### When ordering, please specify:

- (1) Complete assembly or part number
- (2) Line diameter

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<b>MAXIMUM CATCH SIZE (Spiral)</b>		2	2	2-3/8	2-3/8	2-3/8	3-1/8	3-21/32
<b>MAXIMUM CATCH SIZE (Basket)</b>		1-1/2	1-1/2	1-7/8	1-7/8	1-7/8	2-5/8	3-1/8
<b>OVERSHOT O.D.</b>		3-1/8	3-3/4	4	4-1/2	4-1/2	4-11/16	5-1/2
<b>COMPLETE ASSEMBLY</b>	<b>Logan Part No.</b>	<b>160-313</b>	<b>160-375</b>	<b>160-400</b>	<b>160-450</b>	<b>160-451</b>	<b>160-469</b>	<b>160-550</b>
	Bowen No.	15955	C11145	9560	6400	9985	9965	9920

## COMPONENT PARTS

<b>BOWL</b>	<b>Logan Part No.</b>	<b>AK1000</b>	<b>AK1001</b>	<b>AK1002</b>	<b>AK1003</b>	<b>AK1004</b>	<b>AK1005</b>	<b>AK1006</b>
	Bowen No.	15957	C11146	9562	6401	9986	9966	9921
<b>ROLLER</b>	<b>Logan Part No.</b>	<b>AK2000</b>	<b>AK2001</b>	<b>AK2002</b>	<b>AK2003</b>	<b>AK2003</b>	<b>AK2004</b>	<b>AK2005</b>
	Bowen No.	15961	A5440	9566	6456	6456	9967	9922
<b>ROLLER PIN</b>	<b>Logan Part No.</b>	<b>AK3000</b>	<b>AK3001</b>	<b>AK3002</b>	<b>AK3003</b>	<b>AK3003</b>	<b>AK3004</b>	<b>AK3005</b>
	Bowen No.	15962	A11296	9567	6457	6457	9968	9923
<b>ROLLER PIN SCREW</b>	<b>Logan Part No.</b>	<b>AK4000</b>	<b>AK4000</b>	<b>AK4000</b>	<b>AK4000</b>	<b>AK4000</b>	<b>AK4000</b>	<b>AK4001</b>
	Bowen No.	9568	9568	9568	9568	9568	9568	9924
<b>SHEAR RING</b>	<b>Logan Part No.</b>	<b>AK5000</b>	<b>AK5001</b>	<b>AK5002</b>	<b>AK5003</b>	<b>AK5003</b>	<b>AK5004</b>	<b>AK5005</b>
	Bowen No.	15958	A14221	9564	6422	6422	9970	9925
<b>SHEAR RING SCREW</b>	<b>Logan Part No.</b>	<b>AK6000</b>	<b>AK6001</b>	<b>AK6002</b>	<b>AK6003</b>	<b>AK6003</b>	<b>AK6002</b>	<b>AK6004</b>
	Bowen No.	6460	23124	8593	25220	25220	8593	9906
	No. Req'd	2	2	2	2	2	2	2
<b>SPIRAL GRAPPLE</b>	<b>Logan Part No.</b>	<b>AK7000</b>	<b>AK7001</b>	<b>A50025</b>	<b>A50025</b>	<b>A50025</b>	<b>A5010</b>	<b>A5019</b>
	Bowen No.	1811	11147	1448	1448	1448	1741	6662
<b>SPIRAL GRAPPLE CONTROL</b>	<b>Logan Part No.</b>	<b>AK8000</b>	<b>AK8001</b>	<b>AK8002</b>	<b>AK8002</b>	<b>AK8002</b>	<b>AK8003</b>	<b>AK8004</b>
	Bowen No.	15965	A11148	6403	6403	6403	9973	9927
<b>CONTROL SCREW</b>	<b>Logan Part No.</b>	<b>AK9000</b>	<b>AK9001</b>	<b>Q3012</b>	<b>AK9003</b>	<b>AK9003</b>	<b>AK9001</b>	<b>AK9004</b>
	Bowen No.	15966	9933	9558	6459	6459	9933	9928
	No. Req'd	2	2	2	2	2	2	2
<b>TOP SUB (see Note 1)</b>	<b>Logan Part No.</b>	...	...	...	<b>AK10000</b>	...	...	...
	Bowen No.	...	...	...	7243, 7244	...	...	...
<b>SIDE DOOR SCREW</b>	<b>Logan Part No.</b>	<b>Q3002</b>	<b>AK11001</b>	<b>AK11002</b>	<b>AK4000</b>	<b>AK9001</b>	<b>Q3012</b>	<b>Q3012</b>
	Bowen No.	8181	23507	9559	9568	9933	9558	9558
	No. Req'd	4	6	6	4	4	44	44
<b>BASKET GRAPPLE</b>	<b>Logan Part No.</b>	<b>AK12000</b>	<b>AK12001</b>	<b>AK12002</b>	<b>AK12002</b>	<b>AK12002</b>	<b>AK12003</b>	<b>AK12004</b>
	Bowen No.	15956	B11147	6402	6402	6402	9972	9934
<b>BASKET GRAPPLE CONTROL</b>	<b>Logan Part No.</b>	<b>AK13000</b>	<b>AK13001</b>	<b>AK13002</b>	<b>AK13002</b>	<b>AK13002</b>	<b>AK13003</b>	<b>AK13004</b>
	Bowen No.	15965	B11148	6403	6403	6403	9973	9927

Logan Oil Tools reserves the right to change or discontinue designs without notice.

### Special Notes:

(1) Assembly number 160-450 (6400) has a straight thread top connection in bowl and requires special top subs.

### Recommended Spare Parts:

- (1) 2 Grapples for each size, Basket and Spiral
- (2) 2 Grapple Controls for each size