

**HYDRAULIC RELEASE
OVERSHOTS**

Overview

The Logan Hydraulic Release Overshot was designed to aid in the recovery of a stuck fish in a horizontal drilling application where normal rotation for release is not obtainable.

Construction

The Logan Hydraulic Release Overshot is manufactured of the finest available alloy steels and to the precise tolerances that have become a Logan standard.

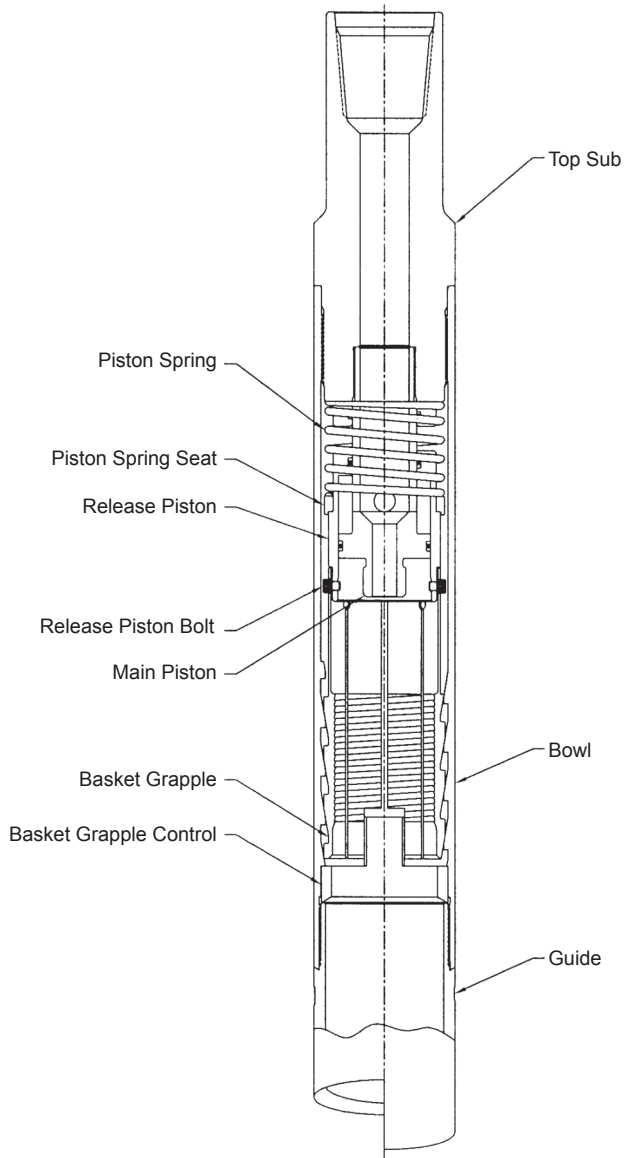
Operation

The Logan Hydraulic Release Overshot requires only set down load or movement to engage the fish.

If the fish can not be retrieved and release is necessary, simply relax any tension that might have been applied to the string during the retrieval operation. Increased flow rate through the tool will cause the fish to be released. No drop ball is necessary for the tool to work. This eliminates pulling a wet string that is associated with drop ball application, or the possibility of leaving anything in the hole.

When ordering, please specify:

- (1) Complete assembly or part number
- (2) Top sub connection
- (3) Size and type of fish to be caught
- (4) O.D., if other than standard



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MAXIMUM CATCH (IN)		N/A	4-1/4	6-3/8
OVERSHOT O.D. (IN)		4-11/16	5-3/4	8-1/8
STANDARD CONNECTIONS		CUSTOMER SPECIFIED CONNECTIONS		
TYPE		HR150	HR150	HR150
COMPLETE ASSEMBLY	Logan Part No.	HR180-469-000	HR180-575-002	HR180-813-002

COMPONENTS

TOP SUB	Logan Part No.	N/A	HR1035-001	HR1059-001
MAIN PISTON	Logan Part No.	N/A	HR5035-001	HR5059-001
RELEASE PISTON	Logan Part No.	N/A	HR6035-001	HR6059-001
SPRING SEAT	Logan Part No.	N/A	HR10035-001	HR10059-001
SPRING	Logan Part No.	N/A	HR4035-001	HR4059-001
BOWL	Logan Part No.	N/A	HR2035-001	HR2059-001
BASKET GRAPPLE	Logan Part No.	N/A	HR7035-112	HR7059-160
STANDARD GUIDE	Logan Part No.	N/A	A3035	A3054
PISTON SPRING	Logan Part No.	N/A	HR4035	HR4054
BASKET GRAPPLE RETAINER SCREWS	Logan Part No.	N/A	HR9035-001	HR9035-001
BASKET GRAPPLE CONTROL	Logan Part No.	N/A	A9035-112	HR9059-160
GUIDE	Logan Part No.	N/A	A3035	A3059
MAIN PISTON SEAL (I.D.)	Logan Part No.	N/A	568334	568344
MAIN PISTON SEAL (O.D.)	Logan Part No.	N/A	568340	568430
RELEASE PISTON SEAL (I.D.)	Logan Part No.	N/A	568334	568344

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

STRENGTH DATA

TENSILE STRENGTH @ YIELD (LBS)	N/A	673,632	1,000,063
BASKET GRAPPLE STRENGTH (LBS)	N/A	379,064	549,907
TORSIONAL YIELD (FT/LBS)	N/A	22,673	40,470
RECOMMENDED MAKE UP TORQUE (FT/LBS)	N/A	5,668	10,100
MAXIMUM MAKE UP TORQUE (FT/LBS)	N/A	11,000	20,200