

HYDRAULIC RELEASE OVERSHOTS

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Overview

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

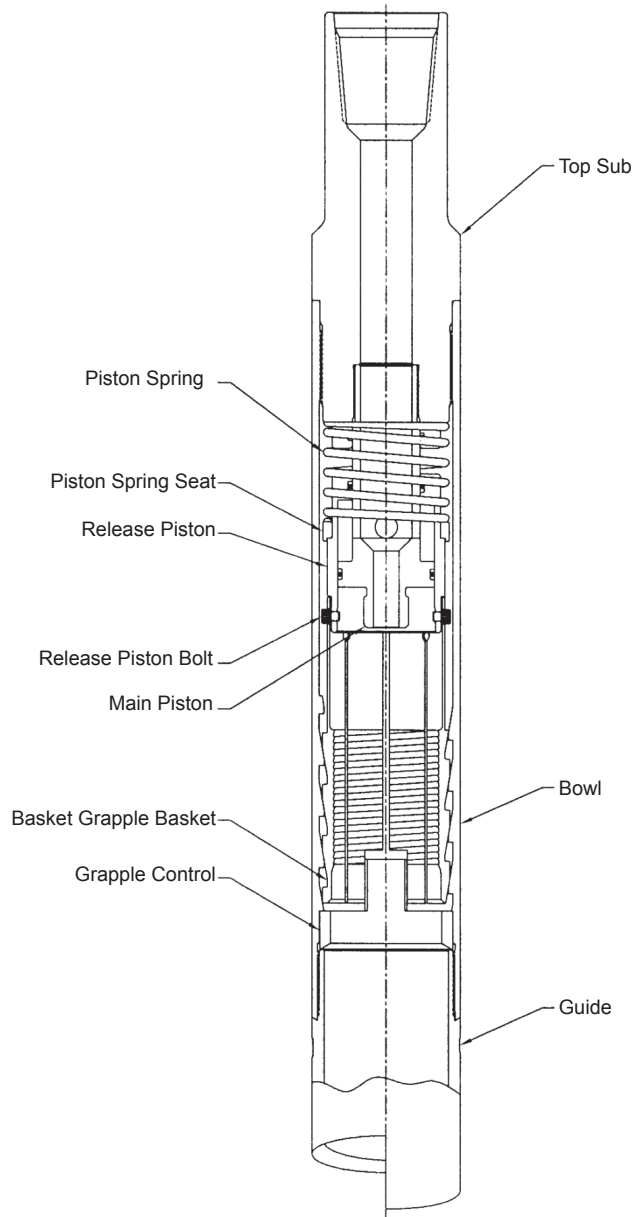
Operation

The 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	HR180-469-000	HR180-575-002	HR180-813-002

COMPONENTS

TOP SUB	N/A	HR1035-001	HR1059-001
MAIN PISTON	N/A	HR5035-001	HR5059-001
RELEASE PISTON	N/A	HR6035-001	HR6059-001
SPRING SEAT	N/A	HR10035-001	HR10059-001
SPRING	N/A	HR4035-001	HR4059-001
BOWL	N/A	HR2035-001	HR2059-001
BASKET GRAPPLE	N/A	HR7035-112	HR7059-160
STANDARD GUIDE	N/A	A3035	A3054
PISTON SPRING	N/A	HR4035	HR4054
BASKET GRAPPLE RETAINER SCREWS	N/A	HR9035-001	HR9035-001
BASKET GRAPPLE CONTROL	N/A	A9035-112	HR9059-160
GUIDE	N/A	A3035	A3059
MAIN PISTON SEAL (I.D.)	N/A	568334	568344
MAIN PISTON SEAL (O.D.)	N/A	568340	568430
RELEASE PISTON SEAL (I.D.)	N/A	568334	568344

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