

### SERIES 70 SHORT CATCH OVERSHOTS

#### Overview

The Series 70 Short Catch Overshot is designed for conditions when the fish is too short to be engaged with a standard overshot. The Grapple Control is positioned above the Basket Grapple rather than below it to allow the Basket Grapple to occupy the lowest position in the Bowl. This enables the overshot to firmly engage and retrieve a very short fish.

The Series 70 Short Catch Overshot assembly consists of a Top Sub, Bowl, Basket Grapple Control, and a Basket Grapple. Although the Series 70 Overshot has no Guide, the components function in the same manner as the standard Series 150 Releasing and Circulating Overshot.

Operation of the Series 70 Short Catch Releasing Overshot is identical to the Series 150.

## Catching the Fish:

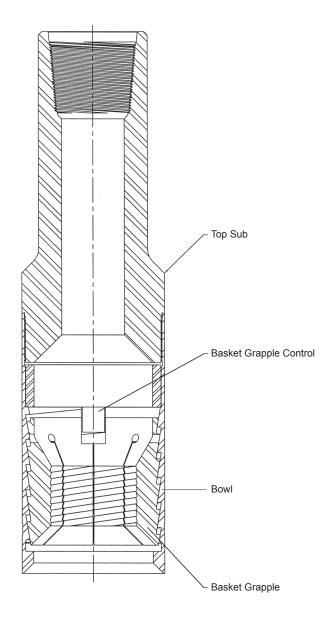
Attach the Overshot to the bottom end of the fishing string and run it into the hole. The Logan Series 70 Overshot assembly is rotated to the right and lowered as the fish enters the expandable grapple. With the fish in the Grapple, stop right-hand rotation and exert an upward pull to fully capture the fish.

### Releasing the Fish:

A sharp downward force (bump) is applied to the Overshot to break the hold of the grapple within the bowl. The Overshot is then rotated to the right while it is slowly elevated to release the Grapple from the fish.

## 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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|           | 1-5/8                | 2-1/2   | 2-5/8   | 3-1/16   | 3-1/16  | 3-1/16  | 3-3/8   |
|-----------|----------------------|---|---|--|---|---|---|
|           | 2-5/16               | 3-5/8   | 3-3/4   | 3-15/16  | 4-5/8   | 4-1/8   | 4-3/8   |
|           | SH                   | SH  | SH  | SH   | FS  | SH  | SH  |
|           | 170-231-D            | 170-363-D   | 170-375-D   | 170-394-D  | 170-463-A   | 170-413-D                                       | 170-438-D   |
| Bowen No. | 38506                | 17615   | 13535   | 63892  | 11290   | 10434   | C-11023   |
|           | C1000                | C1001   | C1002   | C10025   | C1003   | C1004   | C10045  |
| Bowen No. | 38507                | 17616   | 13536   | 63893  | 11295   | 10435   | A-11024   |
|           | C2000                | C2001   | C2002   | C20025   | C2003   | C2004C20045                                     |   |
| Bowen No. | 38508                | 17617   | 13537   | 63894  | 11291   | 10436   | B-11025   |
|           | C3000                | C3001   | C3002   | C30025   | C3003   | C3004   | C30045  |
| Bowen No. | 38509                | 17618   | 13538   | 63895  | 11292   | 10437   | B-11026   |
|           | C4000                | C4001   | C4002   | C40025   | C4003   | C4004   | C40045  |
| Bowen No. | 38510                | 17619   | 13539   | 63896  | 11294   | 10438   | A-11027   |
|           | Bowen No.  Bowen No. | 2-5/16 SH 170-231-D Bowen No. 38506  C1000 Bowen No. 38507 C2000 Bowen No. 38508 C3000 Bowen No. 38509 C44000 | 2-5/16 3-5/8 SH SH 170-231-D 170-363-D Bowen No. 38506 17615  C1000 C1001 Bowen No. 38507 17616 C2000 C2001 Bowen No. 38508 17617 C3000 C3001 Bowen No. 38509 17618 C4000 C4001 | 2-5/16 3-5/8 3-3/4 SH SH SH  170-231-D 170-363-D 170-375-D  Bowen No. 38506 17615 13535  C1000 C1001 C1002  Bowen No. 38507 17616 13536  C2000 C2001 C2002  Bowen No. 38508 17617 13537  C3000 C3001 C3002  Bowen No. 38509 17618 13538  C4000 C4001 C4002 | 2-5/16   3-5/8   3-3/4   3-15/16   SH   SH   SH   SH   SH     T70-231-D   T70-363-D   T70-375-D   T70-394-D   Sowen No.   38506   17615   13535   63892   Sowen No.   38507   17616   13536   63893   C2000   C2001   C2002   C20025   Sowen No.   38508   17617   13537   63894   C3000   C3001   C3002   C30025   Sowen No.   38509   17618   13538   63895   C4000   C4001   C4002   C40025   C40025   C40025   C40005   C4001   C4002   C40025   C40025   C40005   C4001   C4002   C40025   C40025 | 2-5/16   3-5/8   3-3/4   3-15/16   4-5/8     SH | 2-5/16   3-5/8   3-3/4   3-15/16   4-5/8   4-1/8     SH |

| MAXIMUM CATCH SIZE (Basket) |           | 3-21/32   | 3-21/32   | 3-3/4     | 3-3/4     | 4-1/4     | 4-3/4     | 5-1/4     |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| OVERSHOT O.D.               |           | 4-11/16   | 5-5/8     | 4-3/4     | 5-1/2     | 5-3/4     | 5-7/8     | 6-1/4     |
| TYPE                        |           | SH        | FS        | SH        | FS        | FS        | SH        | SH        |
| COMPLETE ASSEMBLY           |           | 170-468-D | 170-563-A | 170-475-D | 170-550-A | 170-575-A | 170-587-D | 170-625-D |
|                             | Bowen No. | 10543     | 11297     | 12645     | 12785     | 13065     | 10560     | 14805     |
| TOP SUB                     |           | C1005     | C1006     | C1005     | C1008     | C1009     | C1010     | C10105    |
|                             | Bowen No. | 10544     | 11298     | 10544     | 12786     | 13066     | 10561     | 14806     |
| BOWL                        |           | C2005     | C2006     | C2007     | C2008     | C2009     | C2010     | C20105    |
|                             | Bowen No. | 10545     | 11299     | 12646     | 12787     | 13067     | 10562     | 14807     |
| BASKET GRAPPLE              |           | C3005     | C3006     | C3007     | C3008     | C3009     | C3010     | C30105    |
|                             | Bowen No. | 10546     | 11300     | 12647     | 12788     | 13068     | 10563     | 14808     |
| BASKET GRAPPLE CONTROL      |           | C4005     | C4006     | C4007     | C4008     | C4009     | C4010     | C40105    |
|                             | Bowen No. | 10547     | 11301     | 12648     | 12789     | 13069     | 10564     | 14809     |
|                             |           |           |           |           |           |           |           |           |

Notes: Grapples are available in 1/16" intervals.

### Coding

A = FS Full Strength – For all pulling torsional and jarring strain

B = XFS Extra Full Strength – For extreme abuse

C = SFS Semi Full Strength – Maximum strength for special hole conditions

D = SH Slim Hole – For heavy pulling strains only E = XSH Extra Slim Hole – For pick up jobs only

### 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

## **Recommended Spare Parts:**

(1) 2 Grapples, 1 Control

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| MAXIMUM CATCH SIZE (Basket) | ·         | 4-3/4     | 6         | 6-1/4     | 6-1/2     | 7         | 7-3/4     | 8         |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| OVERSHOT O.D.               |           | 6-5/8     | 7-5/8     | 7-7/8     | 8-1/4     | 8-1/2     | 9-1/4     | 9-3/4     |
| TYPE                        |           | FS        |
| COMPLETE ASSEMBLY           |           | 170-663-A | 170-763-A | 170-787-A | 170-825-A | 170-850-A | 170-925-A | 170-975-A |
|                             | Bowen No. | 11303     | 11630     | 16975     | 38939     | 20050     | 25030     | 20060     |
| TOP SUB                     |           | C1011     | C1012     | C1013     | C1014     | C1015     | C1016     | C1017     |
|                             | Bowen No. | 11304     | 11631     | 16976     | 38940     | 20051     | 25031     | 20061     |
| BOWL                        |           | C2011     | C2012     | C2013     | C2014     | C2015     | C2016     | C2017     |
|                             | Bowen No. | 11305     | 11632     | 16977     | 38941     | 20052     | 25032     | 20062     |
| BASKET GRAPPLE              |           | C3011     | C3012     | C3013     | C3014     | C3015     | C3016     | C3017     |
|                             | Bowen No. | 11306     | 11633     | 16978     | 38942     | 20053     | 25033     | 20063     |
| BASKET GRAPPLE CONTROL      |           | C4011     | C4012     | C4013     | C4014     | C4015     | C4016     | C4017     |
|                             | Bowen No. | 11307     | 11634     | 16979     | 38943     | 20054     | 25034     | 20064     |

| MAXIMUM CATCH SIZE (Basket) |           | 8-1/4      | 9          | 13-1/2     |
|-----------------------------|-----------|------------|------------|------------|
| OVERSHOT O.D.               |           | 10         | 11-1/4     | 16         |
| TYPE                        |           | FS         | FS         | FS         |
| COMPLETE ASSEMBLY           |           | 170-1000-A | 170-1125-A | 170-1600-A |
|                             | Bowen No. |            | 33878      |            |
| TOP SUB                     |           | C10175     | C1018      | C1019      |
|                             | Bowen No. |            | 33879      |            |
| BOWL                        |           | C20175     | C2018      | C2019      |
|                             | Bowen No  | 33880      |            |            |
| BASKET GRAPPLE              |           | C30175     | C3018      | C3019      |
|                             | Bowen No. |            | 33881      |            |
| BASKET GRAPPLE CONTROL      |           | C40175     | C4018      | C4019      |
|                             | Bowen No  | 33882      |            |            |

Notes: Grapples are available in 1/16" intervals.

### Coding

| A = FS | Full Strength – For all pulling torsional and jarring strain |  |
|--------|--|--|
|        |  |  |

B = XFS Extra Full Strength – For extreme abuse

 ${\sf C=SFS} \quad {\sf Semi\ Full\ Strength-Maximum\ strength\ for\ special\ hole\ conditions}$ 

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## **Recommended Spare**

Parts:(1) 2 Grapples, 1

Control