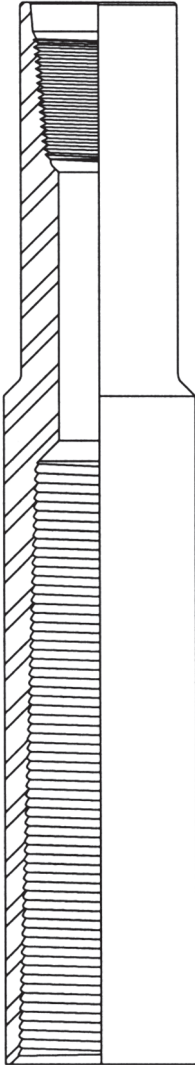


## ROTARY DIE COLLARS



### Overview

Logan Rotary Die Collars are the simplest external catch fishing tools designed for retrieving a fish from the hole. Logan Die Collars are available in two types: Type A and Type B. They are available in an assortment of sizes, lengths, and connections, and can be custom made to specification.

### Type A

Type A Rotary Die Collars are manufactured with an integral guide. The guide end of the die collar may be specified as flat smooth or cut-lipped.

### Type B

Type B Die Collars are manufactured with a threaded bottom end for attaching a standard cut-lipped guide or wallhook guide of your choice.

### Construction

#### Wickers

All Logan Rotary Die Collars are manufactured with hardened wickers (cutting teeth) to ensure positive, reliable engagement of the fish.

Standard wickers are a non-fluted, plain water-tight design to provide circulation below the stuck point. Fluted type wickers are available upon request. They are designed to provide circulation to flush out cuttings during fish engagement. All Logan Rotary Die Collars are designed with a circulation hole drilled through the center.

Right-hand wickers for right-hand rotation engagement are standard on Logan Rotary Die Collars. Left-hand wickers are available upon request. There is no extra charge for left-hand wickers.

### Operation

The Logan Rotary Die Collar is attached to the fishing string and lowered to the fish. Applying weight of less than one point while rotating will allow the wickers to engage the fish. The fish may be lifted from the hole after being securely engaged.

### How to Order

The internal diameter of the largest wicker should be at least 1/2 inch larger than the outside diameter of the fish. The internal diameter of the smallest wicker should be at least 1/2 inch smaller than the outside diameter of the fish.

### When ordering, please specify:

- (1) Name and number of part
- (2) Connection
- (3) Type and size of guide if required
- (4) O.D. if other than standard

### Special Notes:

- (1) *An extra charge will be made for any change in I.D., O.D., length, or catch range.*
- (2) *No extra charge for left-hand Die Collars.*

## ROTARY DIE COLLARS

COMPLETE ASSEMBLY	Logan Part No.	102-166	102-181	102-191	102-231	102-344	102-368	102-419
NOMINAL SIZE		3/4	1	1	1-1/4	2-3/8	2-3/8	2-3/8
		Pipe	Pipe	Upset	Pipe	Pipe	Upset	API Reg
TO CATCH		1.050	1.315	1.469	1.660	2-3/8	2-21/32	3-1/8
TOTAL LENGTH		8	17	15	12	24	24	24
O.D.		1.660	1-13/16	1-29/32	2-5/16	3-7/16	3-11/16	4-3/16
DIAMETER OF LARGEST WICKER		1-3/16	1-1/2	1-5/8	1-7/8	2-9/16	2-13/16	3-5/16
DIAMETER OF SMALLEST WICKER		7/8	1	1-1/8	1-3/8	1-3/4	2	2-1/2

COMPLETE ASSEMBLY	Logan Part No.	102-444	102-400	102-438	102-488	102-525	102-475	102-506
NOMINAL SIZE		2-3/8	2-7/8	2-7/8	2-7/8	2-7/8	3-1/2	3-1/2
		API IF	Pipe	Upset	API Reg	API IF	Pipe	Upset
TO CATCH		3-3/8	2-7/8	3-7/32	3-3/4	4-1/8	3-1/2	3-13/16
TOTAL LENGTH		24	24	24	24	24	32	32
O.D.		4-7/16	4	4-3/8	4-7/8	5-1/4	4-3/4	5-1/16
DIAMETER OF LARGEST WICKER		3-9/16	3-1/16	3-7/16	3-15/16	4-5/16	3-3/4	4-1/16
DIAMETER OF SMALLEST WICKER		2-3/4	2-1/4	2-5/8	3-1/8	3-1/2	2-5/8	2-15/16

COMPLETE ASSEMBLY	Logan Part No.	102-550	102-588	102-600	102-588	102-638	102-688	102-713
NOMINAL SIZE		3-1/2	3-1/2	3-1/2	4-1/2	4-1/2	4-1/2	4-1/2
		API Reg	API FH	API IF	Pipe	Upset	API Reg	API FH
TO CATCH		4-1/4	4-5/8	4-3/4	4-1/2	5	5-1/2	5-3/4
TOTAL LENGTH		32	32	32	36	36	36	36
O.D.		5-1/2	5-7/8	6	5-7/8	6-3/8	6-7/8	7-1/8
DIAMETER OF LARGEST WICKER		4-1/2	4-7/8	5	4-3/4	5-1/4	5-3/4	6
DIAMETER OF SMALLEST WICKER		3-3/8	3-3/4	3-7/8	3-3/8	3-7/8	4-3/8	4-5/8

COMPLETE ASSEMBLY	Logan Part No.	102-750	102-706	102-756	102-825	102-850	102-888	102-813
NOMINAL SIZE		4-1/2	5-9/16	5-9/16	5-9/16	5-9/16	5-9/16	6-5/8
		API IF	Pipe	Upset	API Reg	API FH	API IF	Pipe
TO CATCH		6-1/8	5-9/16	6-1/16	6-3/4	7	7-3/8	6-5/8
TOTAL LENGTH		36	42	42	42	42	42	42
O.D.		7-1/2	7-1/16	7-9/16	8-1/4	8-1/2	8-7/8	8-1/8
DIAMETER OF LARGEST WICKER		6-3/8	5-13/16	6-5/16	7	7-1/4	7-5/8	6-7/8
DIAMETER OF SMALLEST WICKER		5	3-15/16	4-7/16	5-1/8	5-3/8	5-3/4	5

COMPLETE ASSEMBLY	Logan Part No.	102-863	102-925	102-950	102-1000	102-1075	102-1363
NOMINAL SIZE		6-5/8	6-5/8	6-5/8	6-5/8	6-5/8	6-5/8
		Upset	API Reg	API FH	API IF	API Reg	API Reg
TO CATCH		7-1/8	7-3/4	8	8-1/2	8-5/8	10-3/4
TOTAL LENGTH		42	42	42	42	42	46
O.D.		8-5/8	9-1/4	9-1/2	10	10-3/4	13-5/8
DIAMETER OF LARGEST WICKER		7-3/8	8	8-1/4	8-3/4	9-3/4	12
DIAMETER OF SMALLEST WICKER		5-1/2	6-1/8	6-3/8	6-7/8	7-7/8	10

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