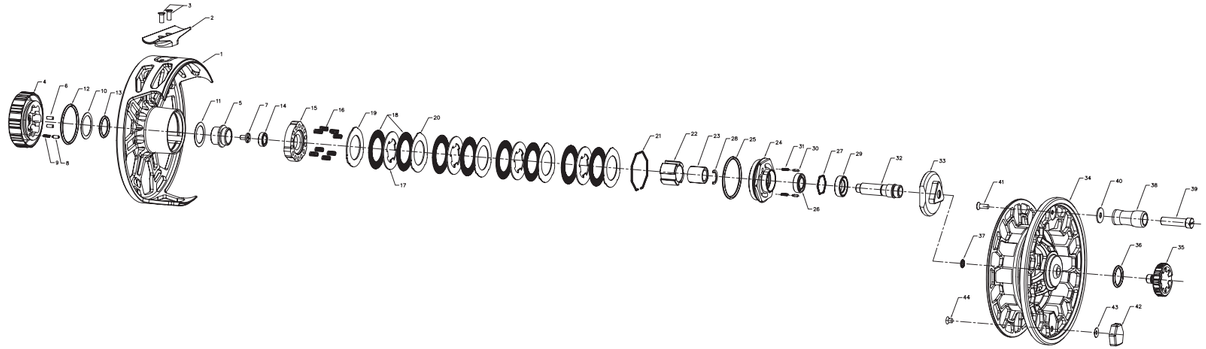

1 Frame
2 Foot
3 Foot Screw
4 Drag Knob
5 Drag Knob Insert
6 Key Pin
7 Drag Knob Screw
8 Drag Knob Clicker
9 Clicker Spring
10 Teflon™ Washer 1
11 Teflon Washer 2
12 Drag Knob O-Ring
13 Frame Inner O-Ring
14 Ball Bearing
15 Drag Spring Plate
16 Compression Spring
17 Drag Metal Disc
18 Drag Washer
19 Friction Disc Support 0.8T
20 Friction Disc Support 0.5T
21 Retaining Spring-1
22 Clutch Sleeve
23 Clutch Bearing
24 Frame Cap
25 Frame Cap O-Ring
26 Main Bearing
27 Retaining Spring-2
28 C-Clip
29 Oil Seal
30 Clicker
31 Clicker Spring
32 Shaft
33 Shaft Perch
34 Spool
35 Spool Lock Nut
36 Spool Lock Nut O-Ring 1
37 Spool Lock Nut O-Ring 2
38 Handle Knob
39 Handle Knob Shaft
40 Handle Washer
41 Handle Screw
42 Counter Weight
43 Counter Weight Washer
44 Counter Weight Screw

GUARANTEE

Your Ratio Reel is unconditionally guaranteed against defects in materials and workmanship. Damaged reels can be repaired on an individual basis for a reasonable fee, and we do offer a reel cleaning and reconditioning service.

Visit orvis.com/reel-repair.html for more information.

QUESTIONS?

If you have any questions about the operation and maintenance of your new reel, Orvis Technical Advisors are always available.

E-mail: info@orvis.com **Phone:** 1-800-778-4778

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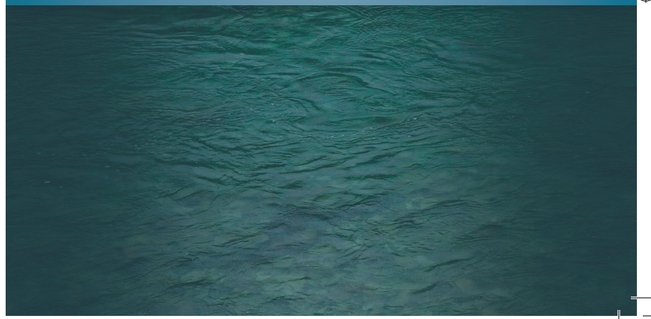
RATIO



INTRODUCTION

The Ratio is your big-game, purpose-built reel for anglers who want high durability, low weight, and progressive stopping power. The carbon-stainless drag system has 16 engineered surfaces that deliver run-stopping drag pressure with zero startup inertia. In the heat of battle, an indexed, oversized drag knob lets you make micro-adjustments. Built to withstand brutal saltwater abuse, the Ratio is fully sealed to prevent salt and sand from entering.

- Fully sealed carbon-stainless disc drag system
- Fully adjustable drag with indexed control
- Type II anodized aluminum
- Zero startup inertia

DRAG OPERATION

The Ratio Reel features a dependable center-line drag system. To adjust the drag, turn the drag knob **(PART #4)** clockwise to increase resistance and counterclockwise to decrease it **(FIGURE 1)**. The minimum drag setting should never be less than the pressure required to prevent over-running of the line on fast runs. Due to the unique Ratio drag system, the maximum drag setting can be achieved in less than 2.5 rotations of the drag knob.

FIGURE 1

SPOOL REMOVAL

The spool release knob **(PART #35)** is located in the middle of the spool. To remove, grip the knurling on the knob and turn it counterclockwise firmly until the spool disengages from the frame.

Note: The spool release knob is not to be removed from the spool and should be kept on the spool while spooling backing and fly line, or when removing the spool.

FIGURE 2

RIGHT-HAND CONVERSION

All Ratio Reels have the drag factory installed for left-hand retrieve. Since the reel is fully sealed, the frame cap must be removed to access the one-way bearing.

Remove the spool from the frame as described below.

1. Back the drag knob completely off by turning it counterclockwise until it stops.
2. Align the tool provided on the flats machined into the frame cap **(FIGURE 2)**.
3. While holding the frame firmly, rotate the tool counterclockwise to break the seal and unthread the frame cap and shaft assembly from the frame **(PARTS #32, 33 & 24)**.
4. Remove the shaft assembly. The clutch bearing **(PART #22)** will either come out with the shaft assembly or stay nested in the drag case. If it stays nested in the drag case, simply turn the frame over and tap it on a hard surface; the bearing will fall out.
5. Flip and reinsert the clutch bearing into the drag case, with the desired retrieve direction facing upward.
6. Insert the shaft assembly into the drag case and retighten the frame cap to the frame with the tool **(FIGURE 2)**.

ROUTINE MAINTENANCE

Your new Ratio Reel has been properly lubricated prior to shipping. The drag system is completely sealed and impervious to corrosive elements. It requires no additional maintenance. After the reel has been used in saltwater, or if it experiences excessive exposure to dirt or sand, rinse the reel in freshwater with the spool still attached to the frame.

Note: When not in use, the drag should be loosened completely.

RATIO REEL CAPACITY CHART

LINE WEIGHT	III	IV	V	VI	VI DEEP
WF5	150 yds.*				
WF6	125 yds.*				
WF7	100 yds.*	225 yds.*			
WF8		200 yds.*			
WF9		175 yds.*	250 yds.**		
WF10			225 yds.**		
WF11			200 yds.**	350 yds.***	
WF12				325 yds.***	
WF13				300 yds.***	
WF14					600 yds.***

Ratio Reel Specifications

III Reel | Lines 5-7 | Weight: 6.9 oz. | 3.8" Diameter
IV Reel | Lines 7-9 | Weight: 8.2 oz. | 4.25" Diameter
V Reel | Lines 9-11 | Weight: 9.2 oz. | 4.5" Diameter
VI Reel | Lines 11-14 | Weight: 10.0 oz. | 5" Diameter
VI Deep Reel | Lines 11-14 | Weight: 10.0 oz. | 5" Diameter

Capacity Chart (In Yards)

*20-lb. Dacron® backing **30-lb. Dacron® backing ***50-lb. Gel Spun backing