



### Frame Design <sup>A</sup>

Andros lever drag reels are machine cut from extruded 6061-T6 grade aluminum and protected by a Type-II anodizing process. The rear cross bar has been machined so that there is a thumb rest that dramatically aids in reducing fatigue when holding the reel for extended periods of time.



### Handle System <sup>B</sup>

Andros lever drags features an Ergo grip handle knob which is perfect for jigging and live bait fishing. A heavy duty stainless steel screw securely attaches the Ergo grip handle knob to the Type-II burnt orange anodized handle arm.

### Anodizing

The Andros body, side plates, spool, drag lever and handle arm are all Type-II anodized. The reel foot is forged aluminum and uses a Type-III hard anodizing process for maximum corrosion resistance.

### Cast Control Function <sup>C</sup>

Andros reels are designed with an external adjustable cast control system found on the left sideplate of the reel. When the system is engaged, the drag washer is pulled toward the spool, applying pressure and slowing down the spool. To utilize this control system, rotate the dial clockwise to the desired pressure setting. Turn the dial counterclockwise to release pressure. The dial can be turned completely off for complete freespool.



### Grease and Oil

To further enhance the corrosion resistance of the Andros lever drag reels, we apply our Corrosion Resistant Coating (CRC) process to all internal and external parts for maximum protection. Our CRC process utilizes a coating process of Corrosion X HD formula that penetrates and bonds to the aluminum parts for long term protection. The extra steps taken in the assembly of the Andros lever drag reels allow these reels to be leaders in the fishing tackle industry for long term use and performance.



### Andros features:

- Gear Ratios: 6.4:1 High / 3.8:1 Low
- 6-pcs ABEC-5 rated EZO Japanese ball bearings
- External adjustable cast control system
- Anti-reverse system
- Ratchet drag lever for precise drag settings
- Ergo grip handle knob with anodized aluminum handle arm
- One screw right sideplate take down for easy internal access
- 17-4 grade stainless steel helical cut gearing
- Maximum drag at Full with complete freespool is 24 lbs
- Maximum drag at Strike with complete freespool is 15 lbs
- Carbonite drag system with Cal's drag grease
- Integrated recessed reel foot design for low profile rod fit



Andros										
Model	Gear Ratio	Bearings	Weight (oz)	Line retrieve	Monofilament line capacity lbs/yds (diameter in mm.)	Max Drag @ Strike with Freespool	Max Drag @ Full with Freespool	Frame	Sideplates	Spool
<i>High-Speed Lever Drag Reels</i>										
A-5II	6.4:1&3.8:1	6BB	15.2	42.1" & 24.8"	12/620(0.32), 15/430(0.37), 20/340(0.42)	15 lbs	24lbs	AL	AL	AL



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# Andros Technology



## Spool Design **A**

Andros spools are produced from a cold forging process for maximum strength. These spools are forged with 6061-T6 grade aluminum and are anodized with a Type-II process for long-life durability. Because of the thin frame design, these spools are larger in diameter than the competition and in turn offer much more line capacity.

## Bearings **B**

Andros reels feature 2 precision EZO ball bearings by Sapporo Precision, Inc. in Japan. For all spool shaft bearings, Okuma uses ABEC-5 grade bearings for precision performance under all conditions. These ABEC-5 bearings allow friction free spinning for improved casting distance and reduced tension while live baiting. The drive shaft bearings feature rubber seals to prevent water penetration and are full packed with grease for longevity.

## Silent Anti-reverse System **C**

The proprietary anti-reverse system on the Andros lever drag reel allows for a smoother and quieter feeling. This system is very simple in principle, but the performance is extremely advanced. As you turn the reel forward the anti-reverse pawls slide open allowing a friction free and quiet retrieve. As soon as the handle is stopped or pulled backwards, the anti-reverse pawls are engaged into place by their drive shaft actuated sliding system. The strength of this anti-reverse system does not solely rely on a dog spring similar to what is found on most of our competitor's reels.

## Helical Cut Gearing **D**

Andros lever drag reels utilize helical cut main and pinion gears. This process allows for improved gear meshing which equates to improved gear smoothness. The angled teeth found in helical cut gears engage more gradually than straight cut or spur gear teeth. This allows helical gears to run smoother and quieter compared to spur gears.

## Two Speed Gears **E**

Two speed reels offer the ultimate in fishing versatility. The high speed gear can be used for fast cranking jigs for fish such as wahoo and tuna. The low gear can be used to haul stubborn bottom grabbers out of the rocks. Technology has given anglers the advantage of both on a single reel. Two speed reels have a high gear ratio to gain line on a charging fish, and a low gear ratio to winch the fish up when they are under the boat. The low gear gives the advantage to you rather than the fish at the final moments of the fight.

## Pull Bar Drag System **F**

The Andros was specifically designed around the "Pull Bar Drag System." The major advantage to this type of drag system is that the drag is being pulled rather than pushed. The most common type of lever drag in the industry is the "Push Bar Drag System." The Push Bar system places heavy pressure on the left side plate and utilizes the frame for overall stability which is a fatal flaw in this type of design. This pressure creates frame flex, reducing drag pressure and causing tolerance alignment issues. One of the major benefits to the Pull Bar design is that there is no pressure placed on the frame. The Andros will not suffer frame flex found in our competitor's reels.

The Andros drag system is considered a wet drag system comprised of a carbon fiber drag washer that is coated with a thin layer of Cal Sheet's Universal drag grease for virtually zero start up inertia. This is used in conjunction with a 17-4 grade stainless steel drag plate that has been ground flat and then polished for maximum smoothness. This stainless steel friction drag plate has a minimum 32 Rockwell hardness, allowing for high-end drag settings and consistently smooth drag performance at all ranges.

The maximum drag at Full is 24 lbs. and at Strike is 15 lbs.

## Ratcheting Drag Cam **G**

Andros lever drag reels are equipped with a 303-grade stainless steel drag cam. This drag cam is excellent for corrosion resistance. In addition, it has the strength to withstand the high pressures that can be applied by the drag system.



## Reel Foot and Reel Clamps **H**

The design of the reel foot on the Andros is quite unique. On other lever drag reels, a bottom crossbar is machined along the bottom of the reel and the reel foot is then attached to this crossbar. On the Andros lever drag reels, the reel foot is recessed and integrated as part of the reel.