



Okuma Technology

EOS: Elliptical Oscillation System: The revolutionary EOS design is patented in a number of countries around the world and is the soul of the Okuma mid to upper end spinning reel range. The EOS design uses elliptical shaped oscillation gears which provide exceptional line lay, improved smoothness and maximum long-life durability. The EOS gears are always engaged and provide a very smooth spool stroke, eliminating the spool from jumping as commonly found on many reels.

DFD: Dual Force Drag System: DFD incorporates both surfaces of the spool to maximize high-end drag pressure, efficiency and over all smoothness. Mounted in the top of the spool and protected by the Hydro Block system is a multi-disk felt drag system that works in conjunction with a secondary drag system that is mounted under the spool. Even pressure is applied to both surfaces of the spool for maximum stability.

SLG: Speed Loc Pinion Gear System: The SLG technology incorporates a dual step pinion gear system on star drag reels that allows positive engaging at extreme high speeds. The SLG system allows for instant gear engagement when engaging from freespool to strike at speeds in excess of 50 MPH.

CARBONITE: Okuma's ALL NEW "Carbonite" drag system features a newly developed carbon based drag material which displaces heat and friction consistently and steadily even under the harshest of fishing conditions. Used in conjunction with a small amount of specially formulated Okuma drag grease, the Carbonite drag system allows for a much wider and smoother drag-range, all while maintaining exceptional performance and pure fish stopping power.

E2BB: Extreme Elements Bearing: These high-grade stainless steel ball bearings have been designed with one of the most commonly used grades of stainless steel in the marine industry. This stainless steel is used to fight off the harshest corrosion environments possible. E2BB's feature ceramic balls which run smoother because they create less friction and are completely corrosion resistant, resulting in a smoother running bearing for long life durability. These bearings were designed to be more than 10 times more resistant to saltwater than standard stainless steel bearings.

HPB: High Performance Ball Bearings: The properties of the HPB are almost identical to that of the E2BB with the exception of the balls. The balls used on the HPB's are constructed from the same high-grade stainless steel material as the bearing housing. These bearings were designed to be more than 10 times more resistant to saltwater than standard stainless steel bearings. These bearings may even outlast the angler himself.

ALC: AlumiLite Frame Construction: AlumiLite construction incorporates Okuma's rigid aluminum body technology on spinning, trolling and fly reel designs. Aluminum frames are stronger and more rigid and are capable of withstanding more pressure and torque than traditional graphite frames. These lightweight diecast aluminum frames provide more precise tolerances for precision gear alignment, maximum castability and ultimate durability.

Machined Rigid Frame: Okuma's Machined Rigid Frame construction incorporates a one-piece fully machined aluminum frame. These rigid bar-stock aluminum frames are the ultimate in precision alignment and tolerances withstanding more pressure and torque than any other material used in our industry for frame materials. Okuma features these anodized frames on fly reels, baitcast reels, lever drag reels and star drag trolling reels.

Self Lubricating Gear System: The self lubricating gear system is a feature found on Okuma's higher-end star drag reels. The main gear on this system incorporates a heat sensitive oil impregnated brass bushing that is mounted in the center of the gear. This system releases oil if friction increases to keep the main gear and drive shaft running smoothly in all conditions. Okuma is the first company to adopt this technology which originated in the large machine industry where this function has been time tested for many years.

BODY ARMOR: Okuma's stainless steel Body Armor eliminates the frame flex commonly found in graphite framed trolling reels. This feature incorporates two large stainless steel rings that are mounted to both sides of the frame. The harness lugs are integrated into the body armor design and eliminate the pressure commonly placed on the harness lugs by redistributing the pressure to these large diameter rings.

Strong Arm Levelwind: This heavy-duty, stainless steel levelwind is Titanium coated and built to withstand the punishment of braided and wire lines. The guide has been designed with an increased opening to insure proper knot clearance when fishing with double lines.

ACG: The Aluminum Comfort Grip is an oversized machined aluminum power handle knob that has been offset for maximum cranking power. This handle features a custom fit rubberized insert for extreme comfort. This handle is available only on certain Titus Gold models.

Ergo Grip: Ergo Grip handle knob is an extremely comfortable oversized handle knob design for both speed and power. This soft touch knob has been ergonomically designed to fit in the palm of your hand and will be found on certain Okuma lever drag reels, star drag reels and some spinning reel models.

2-Speed Gearing: Okuma's 2-speed technology incorporates two sets of stainless steel main and pinion gears, allowing anglers the option of a high-speed gear ratio or a powerful low speed gear ratio for maximum power and torque. To shift gears it is as easy as pushing a button or popping a lever with Okuma's unique shifting design to obtain the appropriate gear ratio you desire.

XL Gearing: The XL gearing design found on both lever drag and star drag reels incorporates an oversized gear box that features an enlarged gearing system and enlarged drag system. The drag surface areas on this system are more than 50% larger than a standard gear box design. For the gear system, the major advantage is that the gear teeth are substantially larger, allowing more strength and cranking power. This is how we are able to offer a high speed gear ratio reel without sacrificing cranking power. Our XL gearing system essentially turns your reel into a winch.

Quick-Set: This system allows for instant handle engagement and eliminates all handle back play commonly found in many reels. This is accomplished by using a corrosion resistant stainless steel roller bearing that engages the reel in one direction for rock solid hook sets.

RES II: The RES II System stands for Rotor Equalizing System. This second generation RES System incorporates a computer balanced weight precisely placed in the rotor. This weight allows for precision balance and eliminates all spool wobble for perfect alignments and smooth cranking.

EFR II: The Even Flow Roller System utilizes a ball bearing under the line roller to maximize efficiency. This roller helps reduce line twists by freely rolling over the line roller without friction. Without this feature line will naturally twist when drag is pulled.

Hydro Block: The Hydro Block design features a rubber gasket mounted in the top of a spinning reel spool. This rubber seal blocks water and foreign materials from entering the drag system. The Hydro Block system ensures that your drag washers always perform at optimal levels.

Quick Lock Handle: Okuma's unique Quick Lock Handle design is perfect for the traveling angler. This new forged aluminum handle design is spring loaded and can be quickly folded by sliding the neck collar on the handle. This allows for a more compact design for winter storage or transportation. With a simple pull on the handle arm, the handle quickly locks into place and is ready to fish.

X-Spool: When you see this spare spool icon in the Okuma catalog or on any of our packaging, you will know that you are getting a second spool with your purchase. An extra spool is perfect as a back up system or for carrying different line sizes to adjust your techniques to fishing conditions. Ready to fish.

G-Tech Spool: The G-Tech Spool is a new design that allows for reduced weight and increased casting distance. This spool design incorporates a lightweight graphite body and a machined aluminum spool lip for maximum casting distance.

Rulidium: This proprietary drag material offers a wide range in drag adjustment with precise high and low settings. These super smooth Rulidium washers reduce heat and friction for maximum performance. These washers can be found on certain Okuma star drag and baitcasting reels.

Velocity Control: The Velocity Control System is an adjustable, 6-pin centrifugal braking system for precision spool control. Weights can be adjusted IN or OUT for additional spool control. Positioning the weights in toward the spool allows for more freespool, while adjusting the pins out away from the spool allows for more control. Anglers can alternate weights until they find that perfect balance for casting.

Spool Access Port: This unique new design can be found on Okuma's low profile baitcast reels. The Spool Access Port allows for quick access to the spool by simply sliding the lock/unlock lever on the side plate opposite the handle. This system allows for quick spool changes, but more importantly it allows quick access for adjusting the Velocity Control System.

Hi-Rise Spool: The Hi-Rise Spool is designed for maximum casting performance. This machined aluminum spool design features a large arbor and has holes drilled into the spool. By increasing this spool arbor and porting the arbor of the spool we can achieve maximum spool velocity. We also refer to this design as an inertia free spool system.

Baitfeeding System: Okuma's patented baitfeeding system allows anglers to disengage their spinning reel spool and allow their bait to run freely. The baitfeeding system incorporates a secondary micro-adjustable drag system at the rear of the reel that allows for precise adjustment of the spool for bait control. In order to disengage this system simply turn the handle. The On/Off lever on the rear of the reel will automatically disengage the baitfeeding system so you can fight your fish with the main drag system.