

Helios SX



CYCLONIC FLOW ROTOR

The Cyclonic Flow Rotor (CFR) was designed to create a "cyclonic" airflow, which significantly increases air flow through the ported rotor. This thoroughly tested design allows for a much faster drying time if the reel becomes wet, minimizing corrosion possibilities throughout the reel.



TORSION CONTROL ARMOR

The Torsion Control Armor (TCA) design found on the new Inspira spinning reels is made with Okuma's C-40X long-strand carbon fiber technology. This not only makes the reel lighter, but also makes the reel extremely rigid which reduces twist and torque and keeps the internal parts in perfect alignment.



HSX-30



HSX-30

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HELIOS SX SPINNING REELS FEATURE:

- Light weight C-40X carbon frame and sideplates
- C-40X Cyclonic Flow Rotor for corrosion resistance
- TCA: Torsion Control Armor reduces twisting
- 8HPB + 1RB corrosion resistant stainless steel bearings
- Quick-Set anti-reverse roller bearing
- Precision machine cut brass pinion gear
- ALG: Precision AlumiLite alloy main gear and oscillating gears
- Rigid, machined aluminum, anodized handle
- Light weight, EVA handle knobs for comfort
- Precision Elliptical Gearing system
- Machined aluminum, 2-tone anodized spool
- Heavy duty, solid aluminum bail wire
- RESII: Computer balanced Rotor Equalizing System
- Metal line clip
- LCS line control spool



HELIOS SX SPINNING

Model	Gear ratio	Bearings	Weight (g)	Line retrieve (cm)	Max Drag Force (kg)	Monofilament line capacity (diameter in mm.)	Frame	Sideplates	Rotor	Spool
Standard speed spinning reels										
HSX-20	5.0:1	8HPB + 1RB	180	60.7	3	0.15/240, 0.20/140, 0.25/90	C-40X	C-40X	C-40X	AL
HSX-30	5.0:1	8HPB + 1RB	202	68.6	6	0.20/300, 0.25/200, 0.30/130	C-40X	C-40X	C-40X	AL
HSX-40	5.0:1	8HPB + 1RB	262	76.2	6	0.25/260, 0.30/180, 0.35/130	C-40X	C-40X	C-40X	AL
High-speed spinning reels										
HSX-40S	5.8:1	8HPB + 1RB	260	91.2	6	0.25/260, 0.30/180, 0.35/130	C-40X	C-40X	C-40X	AL

CFR (Cyclonic Flow Rotor)

Cyclonic Flow Rotor (CFR) was designed to create "cyclonic" airflow, which significantly increases air flow through the ported rotor. This thoroughly tested design allows for a much faster drying time if the reel becomes wet, minimizing corrosion possibility through out the reel. CFR also creates a lighter-weight and a more rigid rotor which reduces the flex and rotational coherence and creates a more precise mechanical operation.



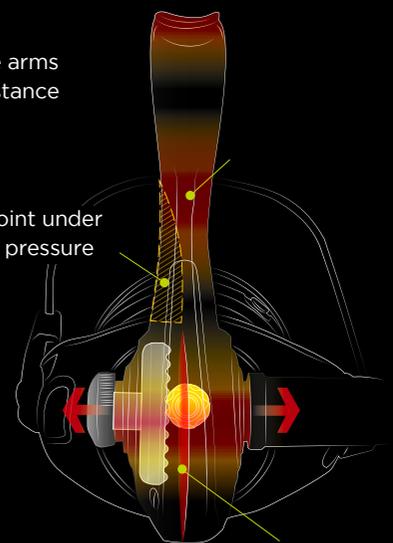
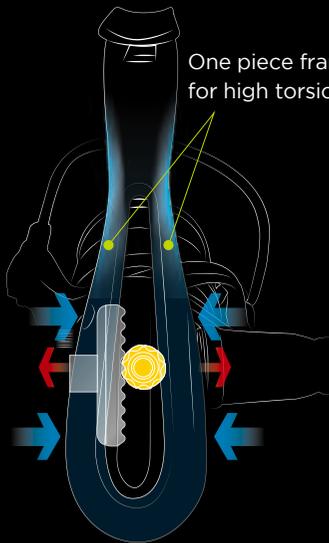
Pressure applies to the bodies under line retrieving

TCA (Torsion Control Armor)

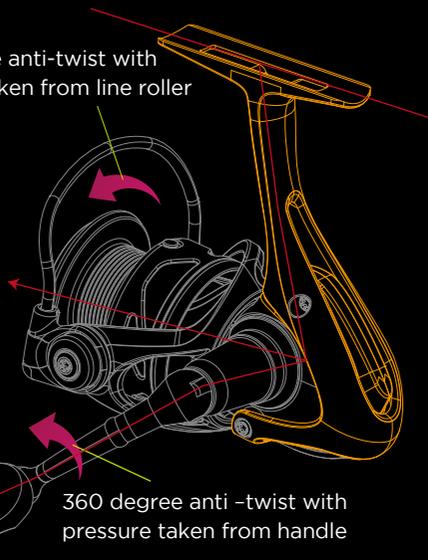
The one piece Torsion Control Armor (TCA) design made with Okuma long strand carbon fibre found on the new Inspira spinning reel is made with a double arm design which offers high torsion and flex resistance under heavy pressure for static strength. This not only makes the reel lighter but also makes the reel extremely rigid which reduces twist and torque and keeps the internal parts in perfect alignment.

TCA: Torsion Control Armor with Double-Arm-Design

Traditional Body Design with Single Side Support



360 degree anti-twist with pressure taken from line roller



360 degree anti-twist with pressure taken from handle

- ← Outward pushing pressure of Transmission mechanism
- The strength of one piece frame from Torsion Control Armor

TCA (Torsion Control Armor) against body twist and torque:

Torsion Control Armor (TCA), utilizing a double arm design creates a much higher performance when under pressure from both the line pulling through line roller and the line retrieval when turning the handle. The torsion resistance is 25% stronger than a traditional design.