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.

The Torsion Control Armor (TCA) design found on the new Inspria 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.
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 REELS:

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

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**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.

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**Pressure applies to the bodies under line retrieving**

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

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**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.