V47 Composite Disc Coupling Solution

Wind Turbine Group
Zero Max Composite Disc Wind Turbine Couplings are designed to exceed the typical operational life of a normal driveline coupling. This model will directly interchange with the original high speed shaft coupling.

Zero-Max has designed and manufactured driveline couplings for industry since 1984. Today, Zero-Max is a trusted and approved driveline coupling supplier to Wind Turbine Manufacturers around the globe.

We understand the special requirements for this unique industry.

- Lower Life Cycle Cost (LCC)
- Composite material is designed and tested to withstand a wide range of environmental conditions
- Fully tested and refined to handle loads beyond the needs of the application
- Lightweight design for easy installation – drops in between the existing flanges
- Repeatable consistent quality
- Suitable for use in turbines that are operating in areas with difficult power grid conditions
- Maintenance free

### Performance Information

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous Torque Rating</td>
<td>5,000 Nm</td>
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<tr>
<td>Peak Torque Rating</td>
<td>10,000 Nm</td>
</tr>
<tr>
<td>Torsional Stiffness</td>
<td>9,768 Nm/degree</td>
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<tr>
<td>Axial Stiffness</td>
<td>138 N/mm</td>
</tr>
<tr>
<td>Maximum Parallel Misalignment</td>
<td>11.5mm</td>
</tr>
<tr>
<td>Maximum Angular Misalignment</td>
<td>1.5 Degrees</td>
</tr>
<tr>
<td>Maximum Axial Displacement</td>
<td>5mm</td>
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</tbody>
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CD® Composite Disc V47 Wind Turbine Coupling

480mm DBSE

407mm SPACER LENGTH

388mm OD

6x M16 x 90mm LONG HEX BOLTS (DIN 931)

2x FLAT WASHERS FOR M16 BOLT

12x M16 HEX LOCKNUT

2x COMPOSITE DISC PACK ASSEMBLY

6x M16 x 90mm LONG HEX BOLTS (DIN 609) TO ATTACH COUPLING TO FLANGE AND HUB

1x ALUMINUM SPACER

340mm BC

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