Flexible Couplings - Single - Disk Type

Additional Keyway at Shaft Hole

➡ P.xxxx

Cleanroom Wash & Packaging

➡ P.xxxx

Change to Stainless Steel Screw

➡ P.xxxx

Precautions for Use

In case of mounting on D-cut shaft, be careful about the position of the D-cut surface of the shaft. ➡ P.xxxx

There are sides where the hex socket head bolt exceeds the outer diameter of the coupling and the rotating diameter is larger than the outer diameter. Please be careful of the interference of coupling. ➡ P.xxxx

Performance

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Max. Bore Diameter (mm)</th>
<th>Rated Torque (N・m)</th>
<th>Max. Rotational Frequency (min⁻¹)</th>
<th>Moment *1 (kg・m²)</th>
<th>Static Torsional Stiffness (N・m/rad)</th>
<th>Max. Lateral Misalignment (mm)</th>
<th>Max. Angular Misalignment (°)</th>
<th>Max. Axial Misalignment (mm)</th>
<th>Mass *2 (g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>XHS-15C</td>
<td>6</td>
<td>0.6</td>
<td>42000</td>
<td>2.2×10⁻⁷</td>
<td>110</td>
<td>0.01</td>
<td>0.7</td>
<td>±0.1</td>
<td>6.6</td>
</tr>
<tr>
<td>XHS-19C</td>
<td>8</td>
<td>1.5</td>
<td>33000</td>
<td>6.3×10⁻⁷</td>
<td>330</td>
<td>0.02</td>
<td>1</td>
<td>±0.1</td>
<td>13</td>
</tr>
<tr>
<td>XHS-25C</td>
<td>12</td>
<td>3</td>
<td>25000</td>
<td>2.3×10⁻⁶</td>
<td>1200</td>
<td>0.02</td>
<td>1</td>
<td>±0.15</td>
<td>25</td>
</tr>
<tr>
<td>XHS-27C</td>
<td>14</td>
<td>3.3</td>
<td>23000</td>
<td>3.1×10⁻⁷</td>
<td>1800</td>
<td>0.02</td>
<td>1</td>
<td>±0.2</td>
<td>27</td>
</tr>
<tr>
<td>XHS-34C</td>
<td>16</td>
<td>6.3</td>
<td>18000</td>
<td>9.2×10⁻⁸</td>
<td>3900</td>
<td>0.02</td>
<td>1</td>
<td>±0.25</td>
<td>52</td>
</tr>
<tr>
<td>XHS-39C</td>
<td>20</td>
<td>12</td>
<td>16000</td>
<td>2.2×10⁻⁸</td>
<td>6000</td>
<td>0.02</td>
<td>1</td>
<td>±0.25</td>
<td>84</td>
</tr>
<tr>
<td>XHS-44C</td>
<td>22</td>
<td>15</td>
<td>14000</td>
<td>3.3×10⁻⁸</td>
<td>7000</td>
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<td>1</td>
<td>±0.3</td>
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<tr>
<td>XHS-56C</td>
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<td>50</td>
<td>9800</td>
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<td>1</td>
<td>±0.45</td>
<td>328</td>
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<tr>
<td>XHS-64C</td>
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<td>100</td>
<td>7900</td>
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<td>0.02</td>
<td>1</td>
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<td>748</td>
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<tr>
<td>XHS-79C</td>
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<td>280</td>
<td>52000</td>
<td>1.7×10⁻¹⁰</td>
<td>1120</td>
<td>0.02</td>
<td>1</td>
<td>±0.65</td>
<td>1120</td>
</tr>
</tbody>
</table>

*1: Correction of rated torque due to load fluctuation is not required.
※ The shaft's slip torque may be smaller than the coupling's rated torque depending on the shaft bore. ➡ P.xxxx
*2: These are values with max. bore diameter.

Part number specification

XHS-C-27C-8-10

Outstanding characteristics

Zero Backlash

High torque

High Rigidity

XHS-C Flexible Couplings - Single - Disk Type

Selection Tool

CAD Download

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Change to Stainless Steel Screw

➡ P.xxxx

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