STANDARD SP CLUTCH

SP311P2 • SP311P3

QUALITY IS STANDARD
- AVAILABLE IN SIZES 11.5” THRU 21.0”
- TAPERED ROLLER MAIN BEARINGS
- OPTIONAL SINTERED IRON PLATES
- OPTIONAL BALL BEARING THROW OUT
- BUILT IN HEX NUT
- CREATES SUITABLE APPLICATION TORQUE CAPACITY
- MORE SUITABLE FOR SIDE LOAD APPLICATIONS
- CREATES 25% HIGHER TORQUE CAPACITY
- ALLOWS FOR MORE FREQUENT ENGAGEMENTS
- EASES ADJUSTMENT VERIFICATION

SPECIFICATIONS – SP311P2 & SP311P3

<table>
<thead>
<tr>
<th>Model Number</th>
<th>SAE HSG.</th>
<th>Max. Input Torque Nm (lb-ft)</th>
<th>Maximum Safe Speed</th>
<th>Weight kg (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Organic</td>
<td>Sintered</td>
<td>Solid Plates</td>
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<tr>
<td>SP311P2</td>
<td>2</td>
<td>2198 (1620)</td>
<td>2748 (2025)</td>
<td>N/A</td>
</tr>
<tr>
<td>SP311P3</td>
<td>3</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

LOAD CLASSIFICATIONS BASED UPON AGMA LOAD CHARACTERISTICS

<table>
<thead>
<tr>
<th>PRIME MOVER</th>
<th>DURATION OF SERVICE</th>
<th>DRIVEN MACHINE LOAD CLASSIFICATIONS</th>
<th>UNIFORM</th>
<th>MODERATE SHOCK</th>
<th>HEAVY SHOCK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric motor</td>
<td>Up to 3 hours per day</td>
<td></td>
<td>1.00</td>
<td>1.25</td>
<td>1.50</td>
</tr>
<tr>
<td>Multi-cylinder internal combustion engine</td>
<td>Up to 3 hours per day</td>
<td></td>
<td>1.00</td>
<td>1.25</td>
<td>1.75</td>
</tr>
<tr>
<td>Multi-cylinder internal combustion engine with high torque rise</td>
<td>Up to 3 hours per day</td>
<td></td>
<td>1.50</td>
<td>1.75</td>
<td>2.25</td>
</tr>
<tr>
<td>Single cylinder internal combustion engine</td>
<td>Up to 3 hours per day</td>
<td></td>
<td>1.25</td>
<td>1.50</td>
<td>2.00</td>
</tr>
</tbody>
</table>

TO CALCULATE APPLICATION TORQUE:

5252 x HP 
Engine RPM × Torque

Torque x Load Factor = Application Torque

Use load factor from chart at left

Specifications subject to change without prior notice in the interest of continual product improvement.
Contact your local Twin Disc representative for engineering specifications.
For nearly a century, we’ve been putting horsepower to work by designing, engineering and manufacturing rugged-duty industrial products. Our products and our reputation are bolted to the most renowned engine manufacturers and equipment OEMs in the world. Our mission is to make your machines and vehicles more productive, more durable, more operator-friendly, more cost-effective. From design and installation consultation through after-sale support, Twin Disc and its distributors are committed to your business. No one knows more about managing horsepower in more ways than Twin Disc.

**TRANSMISSIONS • CLUTCHES • PTOS**

**PUMP DRIVES • TORQUE CONVERTERS**

**GEARBOXES • HYDRAULIC PTO PRODUCTS**