需可靠性、性能和易于安装? **TIME TO ADAPT.**

金属行业的严苛环境对设备提出了极端的要求。这使得保持操作和减少停机时间在连续铸造机中至关重要，因为性能和可靠性至关重要。

**ADAPT Bearing Innovation**

Timken的新ADAPT高容量轴承为磨厂操作员提供了他们所需求的可靠性。创新的设计重新定义了浮位在带支撑段所需的轴承的优选选择。

Timken的ADAPT™轴承将传统的圆柱滚子轴承和球面滚子轴承配置转化为其新设计。其专有的外圈和滚子轮廓以及圆柱内圈结合了两种轴承类型的优点。其完整的滚子配置最大限度地提高了载荷能力。

**安装更简单**

ADAPT轴承由内圈、外圈和滚子/保持架组件组成。保持架将滚子定位，形成一个不允许滚子在安装和拆卸过程中受损的单一装配体。拆卸组件简化了安装、拆卸和检测。内圈和外圈可以以任何方向安装，从而避免了安装错误。无需特殊工具。

ADAPT轴承为连续铸造行业提供了：
- 全滚子配置，通过保持架来帮助消除搬运过程中滚子脱落，使安装变得更加容易。
- 同时的全方位偏移和轴向位移能力，以达到最优性能。
- 独特的内部几何结构优化了接触应力分布和滚动体稳定性，从而促进更长的设计寿命。
- 标准ISO尺寸简化了与圆筒和球面滚子轴承的互换。
- 高静力径向载荷能力，以确保最大可靠性。

需要可靠性、性能和易于安装? **TIME TO ADAPT.**

The metal industry’s tough environment places extreme demand on equipment. That makes maintaining operations and reducing downtime essential in continuous casters where performance and reliability are critical.

**ADAPT Bearing Innovation**

Timken’s new ADAPT high-capacity bearing offers mill operators the reliability they demand. The innovative design redefines the preferred choice of bearings for the float position in strand roll support segments.

The Timken® ADAPT™ bearing evolves the traditional cylindrical roller bearing and spherical roller bearing configuration into its new design. Its proprietary outer race and roller profiles and a cylindrical inner ring combine the key attributes of both bearing types. The full complement of rollers maximizes load capacity.

**Installation Made Easier**

The ADAPT bearing consists of an inner ring, outer ring and roller/retainer assembly. The retainer holds the rollers in position, creating a single assembly that prevents the rollers from being damaged during mounting and dismounting.

The separable components simplify installation, removal and inspection. The inner ring and outer ring can be installed in either direction, helping to avoid mounting errors. No special tooling is required.

**The ADAPT bearing offers the continuous caster industry:**
- A full-complement design with a roller retainer to help eliminate roller fallout during handling, making installation easier.
- Simultaneous full misalignment and axial displacement capabilities, for optimum performance.
- Unique internal geometry optimizing contact stress distribution and roller stability promotes longer design life.
- Standard ISO dimensions simplifying interchange with toroidal and spherical roller bearings.
- High static radial capacity for maximum reliability.
### INTRODUCTORY ADAPT BEARING PARTS LISTING

<table>
<thead>
<tr>
<th>Timken Part Number</th>
<th>d</th>
<th>D</th>
<th>C</th>
<th>DUR (Diameter Under Roller)</th>
<th>Co</th>
<th>F</th>
<th>(Note 1)</th>
<th>d s</th>
<th>D s</th>
<th>c</th>
<th>Bore</th>
<th>O.D.</th>
<th>Width</th>
<th>Static Capacity</th>
<th>Float</th>
<th>Fillet</th>
<th>Shoulder</th>
<th>Shoulder</th>
<th>Retainer Clearance</th>
<th>Weight</th>
<th>Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA4020V</td>
<td>100</td>
<td>150</td>
<td>50</td>
<td>112.8</td>
<td>580</td>
<td>6.0</td>
<td>1.3</td>
<td>111.0</td>
<td>139.5</td>
<td>3.5</td>
<td>3.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TA4022V</td>
<td>110</td>
<td>170</td>
<td>60</td>
<td>125.4</td>
<td>810</td>
<td>6.0</td>
<td>1.8</td>
<td>123.5</td>
<td>157.0</td>
<td>4.0</td>
<td>4.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TA4024V</td>
<td>120</td>
<td>180</td>
<td>60</td>
<td>135.5</td>
<td>880</td>
<td>6.0</td>
<td>1.8</td>
<td>133.5</td>
<td>167.0</td>
<td>4.0</td>
<td>5.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TA4026V</td>
<td>130</td>
<td>200</td>
<td>69</td>
<td>147.8</td>
<td>1140</td>
<td>6.0</td>
<td>1.8</td>
<td>146.0</td>
<td>185.0</td>
<td>4.5</td>
<td>7.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TA4028V</td>
<td>140</td>
<td>210</td>
<td>69</td>
<td>158.0</td>
<td>1220</td>
<td>6.0</td>
<td>1.8</td>
<td>156.0</td>
<td>195.0</td>
<td>4.0</td>
<td>8.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TA4030V</td>
<td>150</td>
<td>225</td>
<td>75</td>
<td>169.3</td>
<td>1430</td>
<td>6.4</td>
<td>1.9</td>
<td>167.0</td>
<td>209.0</td>
<td>4.0</td>
<td>10.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TA4032V</td>
<td>160</td>
<td>240</td>
<td>80</td>
<td>180.6</td>
<td>1680</td>
<td>6.0</td>
<td>1.9</td>
<td>178.5</td>
<td>223.0</td>
<td>5.2</td>
<td>12.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TA4034V</td>
<td>170</td>
<td>260</td>
<td>90</td>
<td>193.4</td>
<td>1980</td>
<td>7.4</td>
<td>1.9</td>
<td>191.5</td>
<td>240.5</td>
<td>4.8</td>
<td>17.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

When installed in the end position, the shaft end plate retains the bearing assembly on the shaft. A snap-ring locating version is available to unitize the assembly when end cover outer diameter is lower than the diameter under roller (DUR). Consult your Timken representative for an application review.

### STANDARD MOUNTING

When installed in the end position, the shaft end plate retains the bearing assembly on the shaft. A snap-ring locating version is available to unitize the assembly when end cover outer diameter is lower than the diameter under roller (DUR). Consult your Timken representative for an application review.

Please contact your Timken sales representative for additional sizes and designs.

Note 1: Maximum shaft or housing fillet radius to clear corners of bearing.

All bearings have a misalignment capability of +/-0.5 degrees (8.7 millirads).