Through the entire paper making process you can rely on NSK’s uncompromising commitment to superior products and unparalleled service. Upgrading to NSK ensures productivity and reliability for you and your entire operation. From high temperature resistance to heavy load capabilities, NSK delivers products that offer solutions in all mill applications.

Experience the NSK difference — upgrade to NSK.
### NSK Nomenclature – Spherical Roller Bearings

<table>
<thead>
<tr>
<th>Premium Material</th>
<th>Bore Size</th>
<th>Bore Type</th>
<th>Internal Clearance</th>
<th>Interchange – Spherical Roller Bearings</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTF: Tough Steel Material</td>
<td>(Multiply last 2 numbers by 5 to get bore in mm)</td>
<td>Blank Cylindrical bore</td>
<td>C2: Tight</td>
<td>Description</td>
</tr>
<tr>
<td>STF: Tough Steel Material</td>
<td>20: 100mm</td>
<td>K: 1:12 Tapered bore</td>
<td>Blank: Normal</td>
<td>NSK</td>
</tr>
<tr>
<td>Blank: Standard Materials</td>
<td>500 millimeters &amp; larger written as:</td>
<td></td>
<td>C4: Extra loose</td>
<td>Timken</td>
</tr>
<tr>
<td>TL: TL Material</td>
<td>/500: 500mm</td>
<td></td>
<td></td>
<td>FAG</td>
</tr>
<tr>
<td>Blank: Standard Materials</td>
<td>/710: 710mm</td>
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<td></td>
<td></td>
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### TL Steel Spherical Roller Bearings

- Designed for high temperatures
- Specialized TL Steel extends life and reduces the possibility of downtime
- Enhances inner ring strength and increases fracture resistance

### Part number suffix

- **TL**: Spherical roller designs
- **222**: Spherical roller designs
- **38**: Spherical roller designs
- **CAM**: One piece brass cage with guide ring
- **K**: Two piece polyamide cage
- **G3**: Pressed steel cage
- **C3**: Steel cage
- **P55W507**: Brass cage

### Other Features: New "W" Features

- **W31**: Special Packaging + S11
- **W507**: E4+W31+S11
- **W509**: E7+W31+S11
- **Z**: Combines high speed and U22
- **P52**: Outer ring accuracy
- **P53**: Inner ring accuracy
- **P55**: Both rings ABEC 5 running accuracy

### TL Premium Material

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