Tsubaki now offers drum sprockets and complete shaft assemblies with the same quality and support you have come to expect from all of our Power Transmission & Motion Control products. Check inside for a summary of our new capabilities and an easy-to-use quote inquiry sheet.
Full-Face vs. A-Plate Drum Sprockets

Full-Face Drum Sprocket
Increased surface area resulting in lower contact pressure between the sprocket and chain, greater wear ability make full face the standard for most applications.

A-Plate Drum Sprockets
A-Plate style can handle greater misalignment and provide bulk material pass-through, however, less contact area may result in lower life.

Optional Style with Flange
Flanges are different than an extended shroud even though they can both service the same purpose. A flange is separate piece that is welded to a plate.

Hub Styles

Style 1
Style 1 for bores up to 3-15/16”. Style 2 with double hub plates are required for bores greater than 4”. Split Taper bushings are standard for single style hubs.

Style 2
For ease of installation XTB type bushings are suggested for double hub construction

Style 3

<table>
<thead>
<tr>
<th>TYPE</th>
<th>BORE</th>
<th>BUSHING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single</td>
<td>1-7/16” to 3-15/16”</td>
<td>S1</td>
</tr>
<tr>
<td></td>
<td>4” to 4-15/16”</td>
<td>U1</td>
</tr>
<tr>
<td></td>
<td>5” to 5-15/16”</td>
<td>W1</td>
</tr>
<tr>
<td>Multi</td>
<td>1-7/16” to 2-15/16”</td>
<td>XTB30</td>
</tr>
<tr>
<td></td>
<td>3” to 3-7/16”</td>
<td>XTB35</td>
</tr>
<tr>
<td></td>
<td>3-1/2” to 3-15/16”</td>
<td>XTB40</td>
</tr>
<tr>
<td></td>
<td>4” to 4-7/16”</td>
<td>XTB45</td>
</tr>
</tbody>
</table>

Shaft Assembly
Replacing shrunk fit components can be costly. Complete shaft assemblies reduce installation costs. Split to bolt sprockets reduce future maintenance costs.

Mounting Methods:
- Finished bore - Slip-Fit & Heat Shrunk
- Split-Taper, Taper-Lock & QD Bushing
- Split to Bolt
- Idler Sprockets (Bearing/Urethane/Bronze/Other)
- Keyless locking (e.g. Power-Lock)
- Bearing Installation
Single, Double, Triple Construction

Single Drum Sprocket
Teeth engage with the chain and provide positive traction. The Can is the main structural member of a drum assembly. Optionally a drum assembly may be supplied with no teeth to create a Traction Wheel or Idler.

Double Drum Sprocket
To provide structural rigidity and strength, multiple-strand drums are supplied with a Shroud. Optionally multiple-strand drums may be supplied without a Shroud at customer request.

Triple Strand, Combination Sprocket & Traction Wheel
On triple drum assemblies and greater, Support Plates are installed to provide additional structural strength.

Drum Sprocket Inquiry Sheet

<table>
<thead>
<tr>
<th>STRAND 1</th>
<th>STRAND 2</th>
<th>STRAND 3</th>
<th>STRAND 4</th>
<th>STRAND 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is it a Sprocket or Traction Wheel?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td># of Effective Teeth</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length between Strands</td>
<td>NA</td>
<td>L1=</td>
<td>L2=</td>
<td>L3=</td>
</tr>
<tr>
<td>Length of Shroud</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shaft Keyway Width</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flange Diameter</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bearings</td>
<td>YES / NO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brand Preference</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Send inquiry to: ecdorders@ustsubaki.com
Tsubaki can provide a variety of pillow block bearings on its drum sprockets and shaft assemblies. Whatever the application is, you can count on Tsubaki for high-quality drum sprocket and shaft assemblies with pillow block bearings.

**DESIGNED FOR QUICK, EASY AND SAFE MOUNTING**

- Tsubaki can supply your drum sprocket or shaft assembly pre-assembled with bearings to decrease installation time for your application.
- One-piece options have sturdy ductile iron or steel housings to withstand high shock and impact from falling debris.
- Assemblies come sealed and pre-greased at the factory.
- Split options are available for easy installation.

**BEARING CONSTRUCTION**

- Available in 2 and 4 bolt designs
- Available fixed and floating to accommodate misalignment
- Lubricated with premium industrial grease
- Bearings are available with super-finished rollers for less noise, and raceway designs that accommodate higher misalignment.

**BEARING SELECTION**

<table>
<thead>
<tr>
<th>Bore Size</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>2 Bolt or 4 Bolt</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Number of Fixed</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Number of Floating</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Brand / Part #</th>
</tr>
</thead>
</table>

Tsubaki now offers drum sprocket and shaft assemblies with brand name bearings you can trust.
MORE INNOVATIVE SOLUTIONS FROM TSUBAKI

SEALED JOINT CHAIN OPTIONS
BACKSTOPS & OVERRUNNING CLUTCHES
STEEL CABLE CARRIERS
CONTINUOUS-FLEX CABLES
SMART TOOTH SPROCKETS
TITAN® SERIES CHAINS

EXCELLENCE THROUGH INNOVATION SINCE 1917

For over 100 years, Tsubaki has developed and manufactured the highest-quality products for power transmission and motion control. With a vast network of global production facilities, R&D resources and sales offices, Tsubaki remains committed to providing innovative solutions to customers' problems for the next 100 years.

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