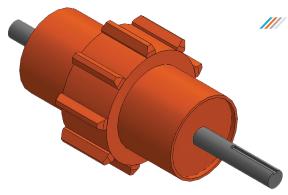




# FULL-FACE VS. A-PLATE DRUM SPROCKETS



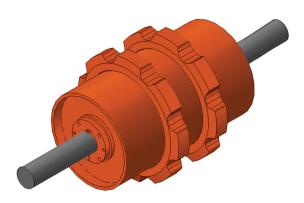


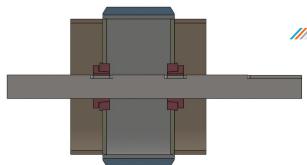
# /// FULL-FACE DRUM SPROCKET

Increased surface area resulting in lower contact pressure between the sprocket and chain, along with greater wearability, 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 a separate piece that is welded to a plate.



TYPE	BORE	BUSHING		
	1-7/16" to 3-15/16"	S1		
SINGLE	4" to 4-15/16"	U1		
	5" to 5-15/16"	W1		
	1-7/16" to 2-15/16"	XTB30		
A AL II TI	3" to 3-7/16"	XTB35		
MULTI	3-1/2" to 3-15/16"	XTB40		
	4" to 4-7/16"	XTB45		

### **## SHAFT ASSEMBLY**

Replacing shrunk fit components can be costly.

Complete shaft assemblies reduce installation costs.

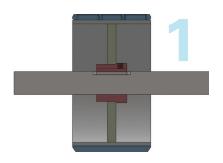
Split to bolt sprockets reduce future maintenance costs.

### **MOUNTING METHODS:**

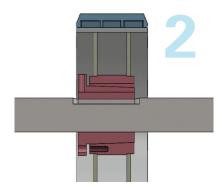
- Finished bore Slip-Fit & Heat Shrunk
- Split-Taper, Taper-Lock & QD Bushing
- Split to Bolt
- Idler Sprockets (Bearing/Urethane/Bronze/Other)
- Keyless locking (e.g. Power-Lock)
- Bearing Installation



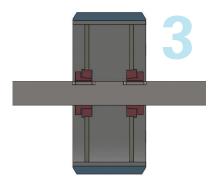
## **HUB STYLES**



Bores up to 3-15/16"\*



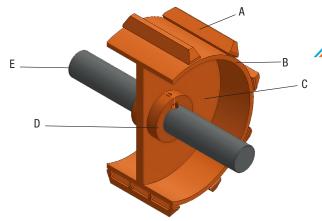
Double hub plates are required for bores greater than 4"\*



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

<sup>\*</sup> Split Taper bushings are standard for single style hubs.

# SINGLE, DOUBLE, TRIPLE CONSTRUCTION

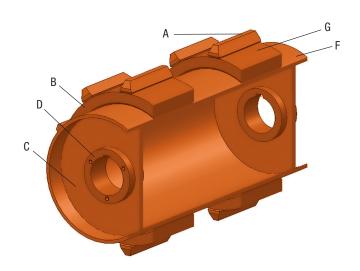


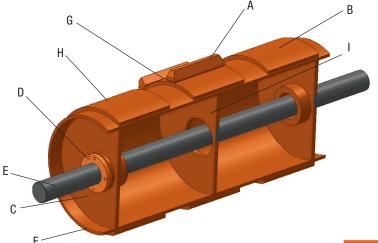
### SINGLE DRUM SPROCKET

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.

### **M** 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.

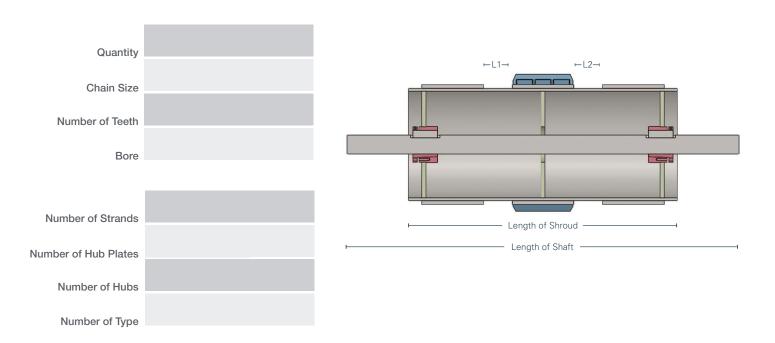
Α	Teeth	D	Hub	G Sprocket		
В	Can	Ε	Shaft	н	H Traction Wheel	
С	Hub Plate	F	Shroud	Support Plate		

## DRUM SPROCKET INQUIRY SHEET

NOMENCLATURE / PART NUMBER DR-480-1-10-A

DR - 480 - 1 - 10 - A

Drum Assembly Chain Number # of Strands # of Teeth A plate style, otherwise full face is standard



	STRAND 1	STRAND 2	STRAND 3	STRAND 4	STRAND 5
Is it a Sprocket or Traction Wheel?					
# of Effective Teeth					
Length between Strands	NA	L1=	L2=	L3=	L4=
Length of Shroud			Length of Shaft		
Shaft Keyway Width			# of Keyways		
Flange Diameter			Flange Length		
Bearings	YES / NO				
Brand Preference					

SEND ALL QUOTE REQUESTS TO: ECDORDERS@USTSUBAKI.COM

FOR MORE INFORMATION, CONTACT YOUR LOCAL SALES REP AT:
USTSUBAKI.COM/CONTACT/SALES-REP

## PILLOW BLOCK BEARINGS

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.

### **IIII** 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

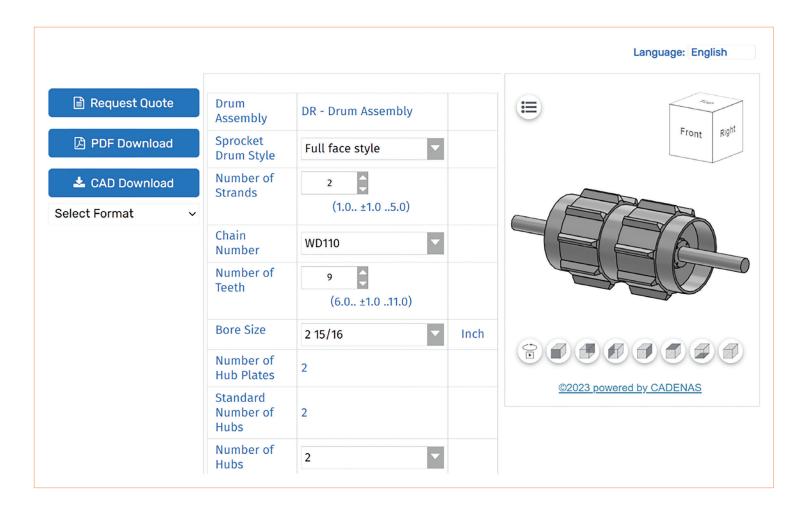
- Available in 2 and 4 bolt designs
- Available fixed and floating to accommodate misalignment
- Lubricated with premium industrial grease
- Bearings are available with super-finished rollers for less noise and raceway designs that accommodate higher misalignment.

### BEARING SELECTION GUIDE



### DRUM SPROCKET CONFIGURATOR

# AN ONLINE RESOURCE TO HELP DESIGN AND/OR IDENTIFY YOUR DRUM SPROCKET ASSEMBLY





Use the drop down menus to configure your customized drum sprocket



Update the CAD preview throughout to see a concept visualization of your selections



Directly submit a quote request using the button on left-hand side of the screen



View and download your design as a 2D or 3D CAD model



SEAL JOINT CHAIN OPTIONS

**BACKSTOPS & OVERRUNNING CLUTCHES** 

STEEL CABLE CARRIERS

**CONTINUOUS-FLEX CABLES** 

SMART TOOTH® SPROCKETS

TITAN® SERIES CHAINS

ATRA-FLEX® COUPLINGS

# **EXCELLENCE** THROUGH INNOVATION **SINCE 1917**

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.

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Cable & Hose Carrier Division

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**Coupling Manufacturing** 

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