

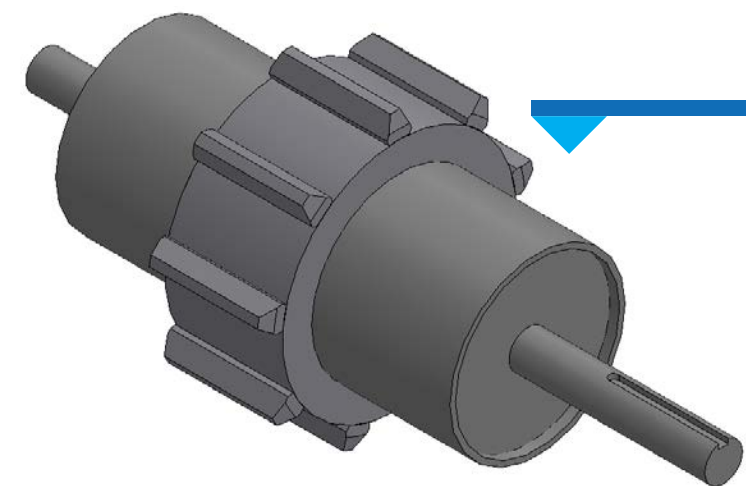


## New Bulk Material Handling Drum & Sprocket Assemblies



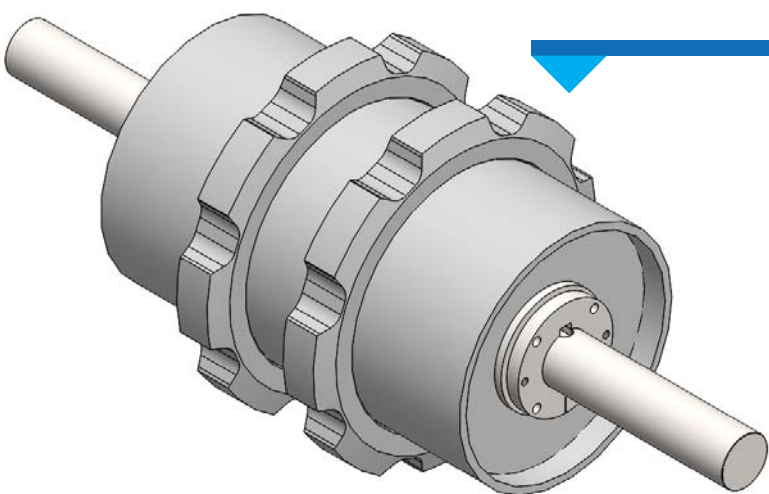
Tsubaki now offers drum sprockets and complete shaft assemblies with the same quality and support you have come to expect from all of our Power Transmission & Motion Control products. Check inside for a summary of our new capabilities and an easy-to-use quote inquiry sheet.

# Full-Face vs. A-Plate Drum Sprockets



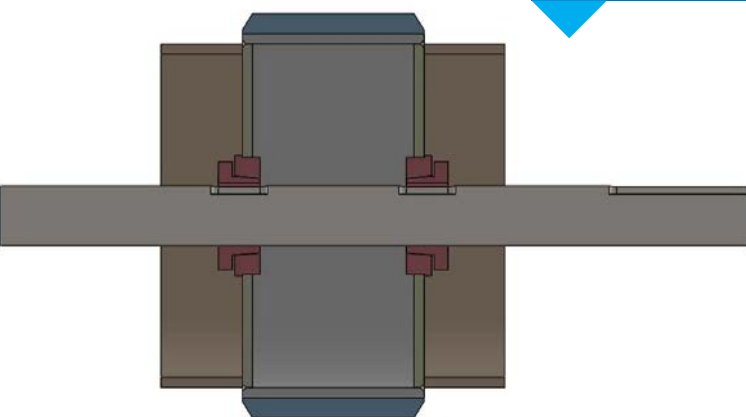
## Full-Face Drum Sprocket

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

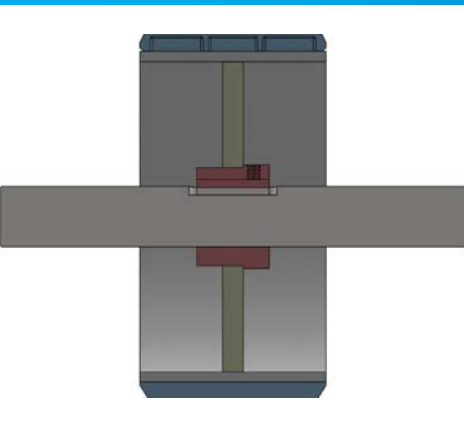
A-Plate style can handle greater misalignment and provide bulk material pass-through, however, less contact area may result in lower life.



## Optional Style with Flange

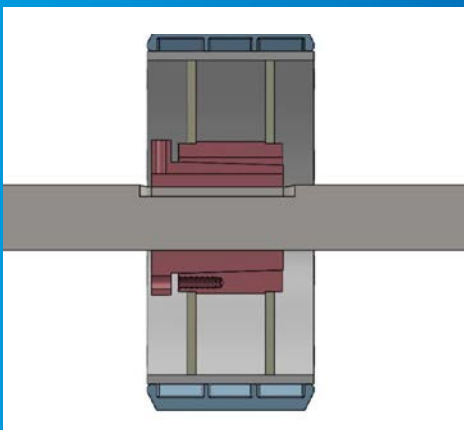
Flanges are different than an extended shroud even though they can both service the same purpose. A flange is separate piece that is welded to a plate.

# Hub Styles

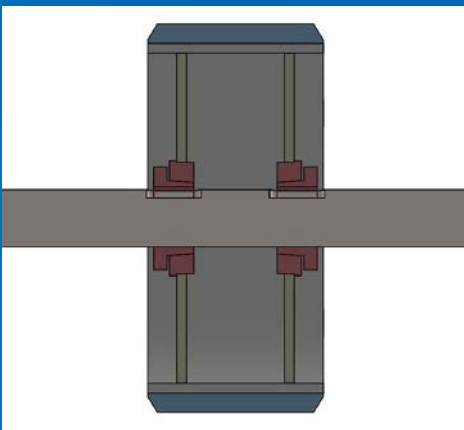


Style 1

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



Style 3

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

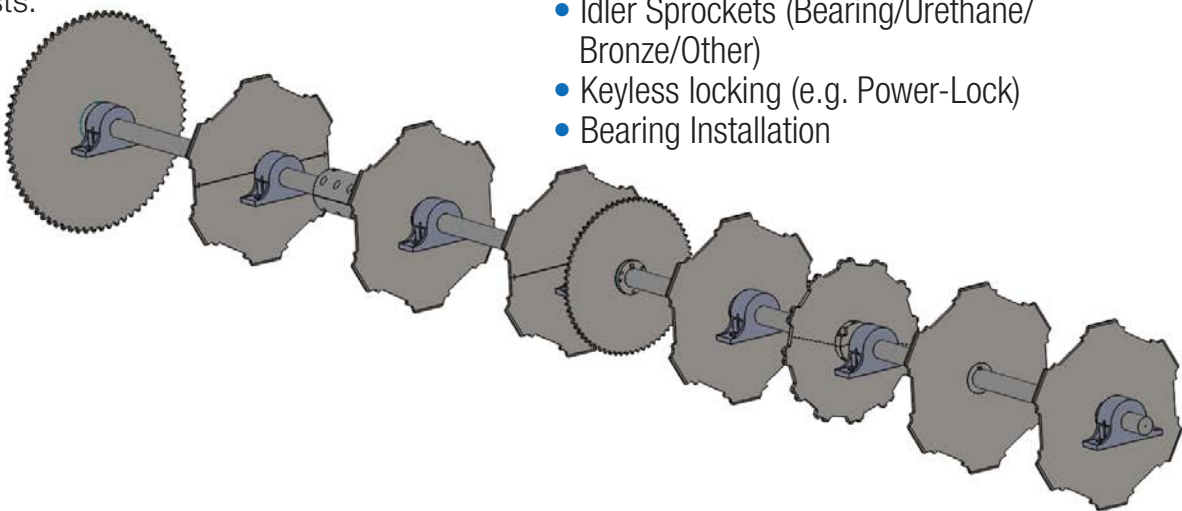
TYPE	BORE	BUSHING
Single	1-7/16" to 3-15/16"	S1
	4" to 4-15/16"	U1
	5" to 5-15/16"	W1
Multi	1-7/16" to 2-15/16"	XTB30
	3" to 3-7/16"	XTB35
	3-1/2" to 3-15/16"	XTB40
	4" to 4-7/16"	XTB45

## Shaft Assembly

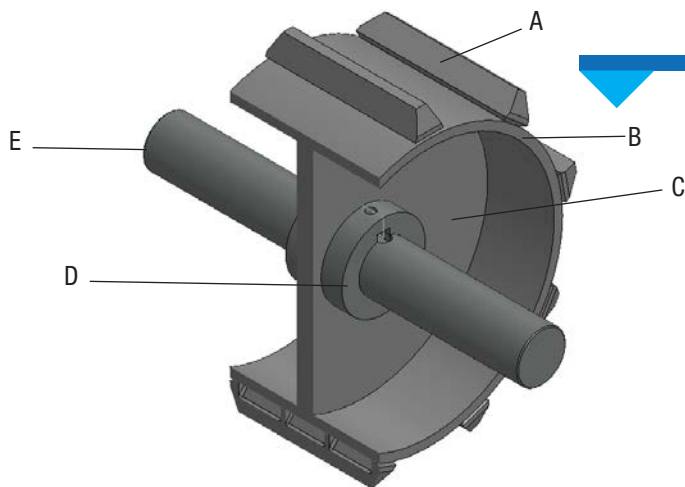
Replacing shrunk fit components can be costly. Complete shaft assemblies reduce installation costs. Split to bolt sprockets reduce future maintenance costs.

## 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

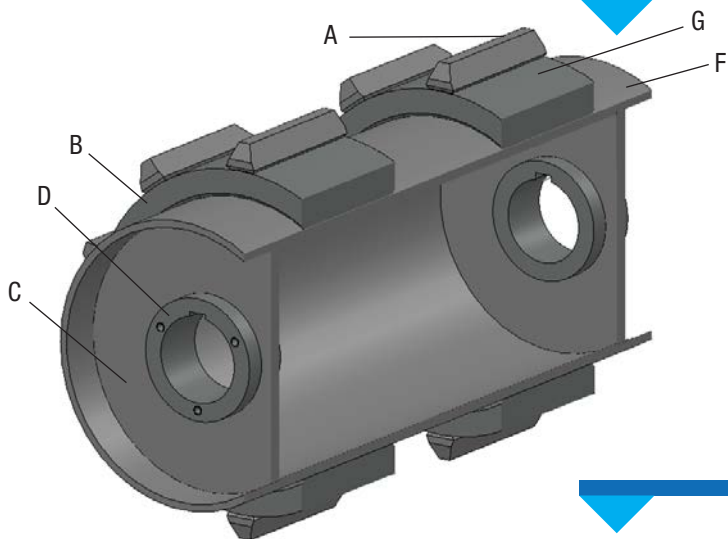






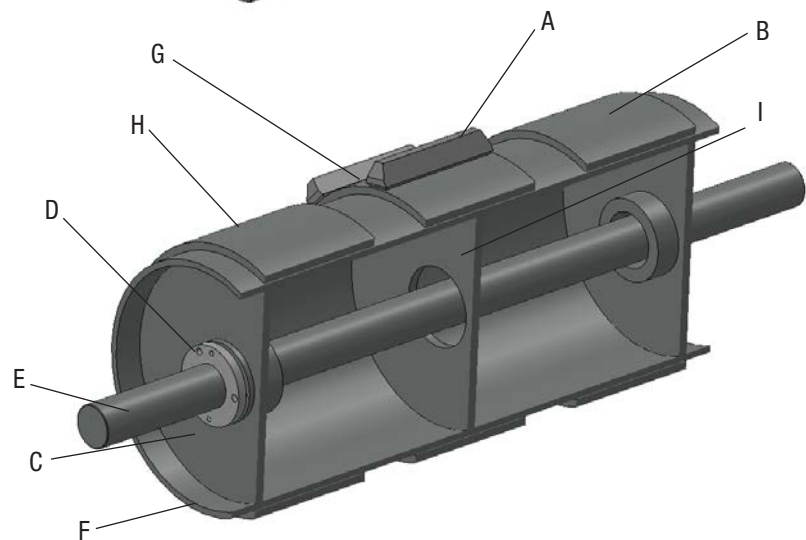
Single Drum Sprocket

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.



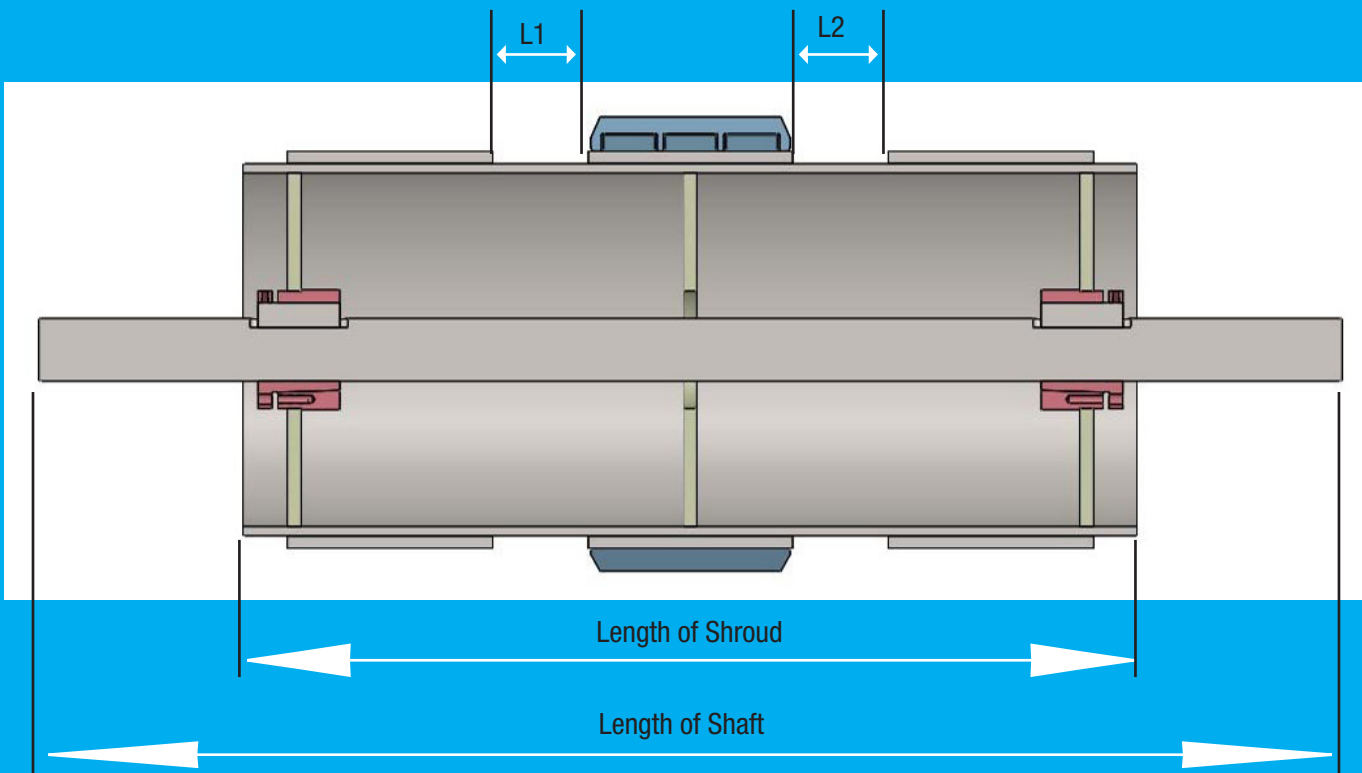
Triple Strand, Combination Sprocket & Traction Wheel

On triple drum assemblies and greater, Support Plates are installed to provide additional structural strength.

A	Teeth
B	Can
C	Hub Plate
D	Hub
E	Shaft
F	Shroud
G	Sprocket
H	Traction Wheel
I	Support Plate

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
Quantity		Number of Strands		
Chain Size		Number of Hub Plates		
Number of Teeth		Number of Hubs		
Bore		Mounting Type		



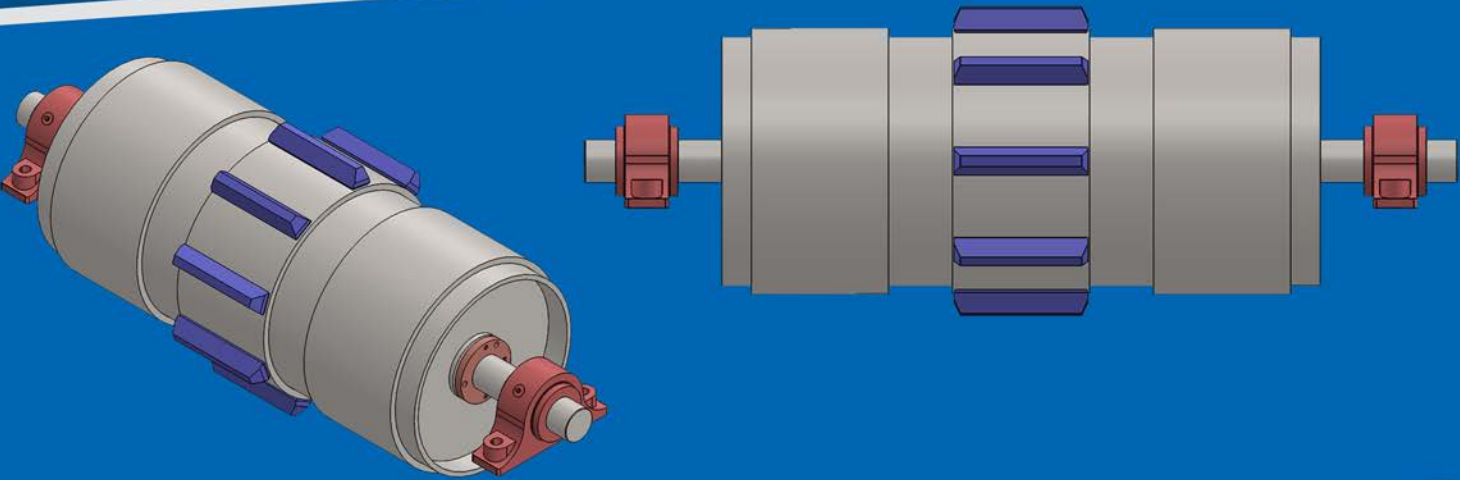
	STRAND 1	STRAND 2	STRAND 3	STRAND 4	STRAND 5
Is it a Sprocket or Traction Wheel?					
# of Effective Teeth					
Length between Strands	NA	L1=	L2=	L3=	L4=
Length of Shroud					Length of Shaft
Shaft Keyway Width				# of Keyways	
Flange Diameter					Flange Length
Bearings	YES / NO				
Brand Preference					

Send inquiry to: [ecdorders@ustsubaki.com](mailto: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.

Can be supplied in either split or non-split designs



**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.

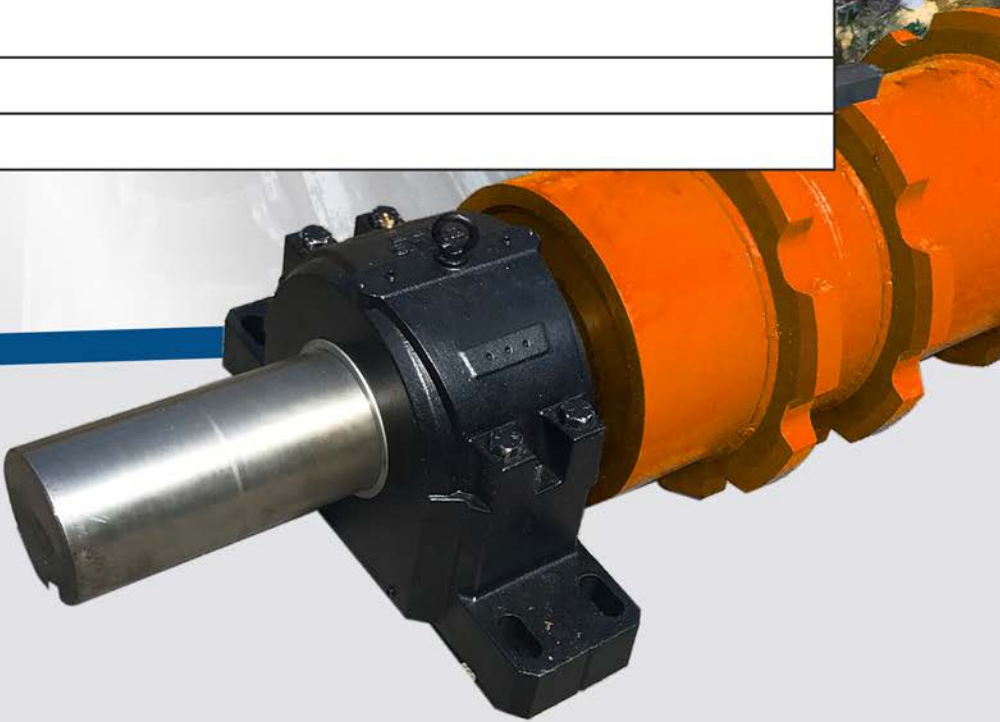
	BEARING SELECTION
Bore Size	
2 Bolt or 4 Bolt	
Number of Fixed	
Number of Floating	
Brand / Part #	

**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.

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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Chain Division  
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Sandusky, OH 44870  
Tel: (800) 537-6140



Sprocket Manufacturing  
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Mississauga, Ontario  
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