

DRUM SPROCKET ASSEMBLIES TO KEEP YOUR OPERATION MOVING



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.

MA-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.



HUB STYLES



Bores up to 3-15/16"*

ТҮРЕ	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
	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





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



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

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.

Α	Teeth	D	Hub	G	Sprocket
в	Can	Е	Shaft	н	Traction Wheel
С	Hub Plate	F	Shroud		Support Plate

DRUM SPROCKET INQUIRY SHEET



	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: INSIDESALES@TSUBAKI.CA

FOR MORE INFORMATION, CONTACT YOUR LOCAL SALES REP AT: TSUBAKI.CA/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.

III 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.



Can be supplied in either split or non-split designs

III 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



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

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

CONFIGURE YOUR DRUM SPROCKET AT tsubaki.ca > resources > product configurators > drum sprocket configurator

MORE INNOVATIVE SOLUTIONS FROM TSUBAKI

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

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THE SUPERIOR DRUM SPROCKET