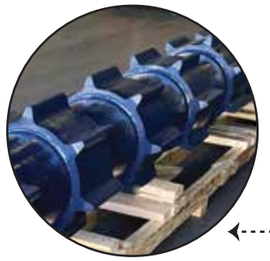
DRUMS

Welded vs Cast Construction



WELDED CONSTRUCTION
- Cast teeth welded to pipe.
- Short lead time



CAST RIM CONSTRUCTION
- Integral cast rim
- No weld weak points
- Smoother chain run
- Longer life for chain and sprocket due to microstructure and carbide content.



FULL-FACE DRUM SPROCKET
- Respected design regularly utilized with both Welded Mill and Welded Drag chain
- Full-Face design features an increased surface area which reduces contact pressure and in turn offers solid wear performance.
- Available in single and multi-strand configurations.



A-PLATE DRUM SPROCKET
- Traditional style utilized with both Welded Mill and Welded Drag chain.
- Can handle misalignment quite well.
- Open design allows for bulk material pass through.
- Available in single and multi-strand configurations.

I'ANCO
• INNOVATOR •

INCREASE CHAIN AND SPROCKET LIFE

To Maximize chain life, Connexus recommends that new sprockets be installed when installing new chain. When sprockets are not changed together with the chain, it can lead to as much as **25% reduction in chain life** for each additional installation on the same sprocket.

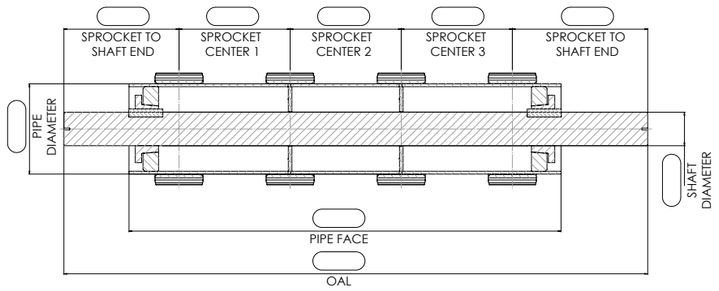
NEW REMOVABLE TEETH ON CAST RIM



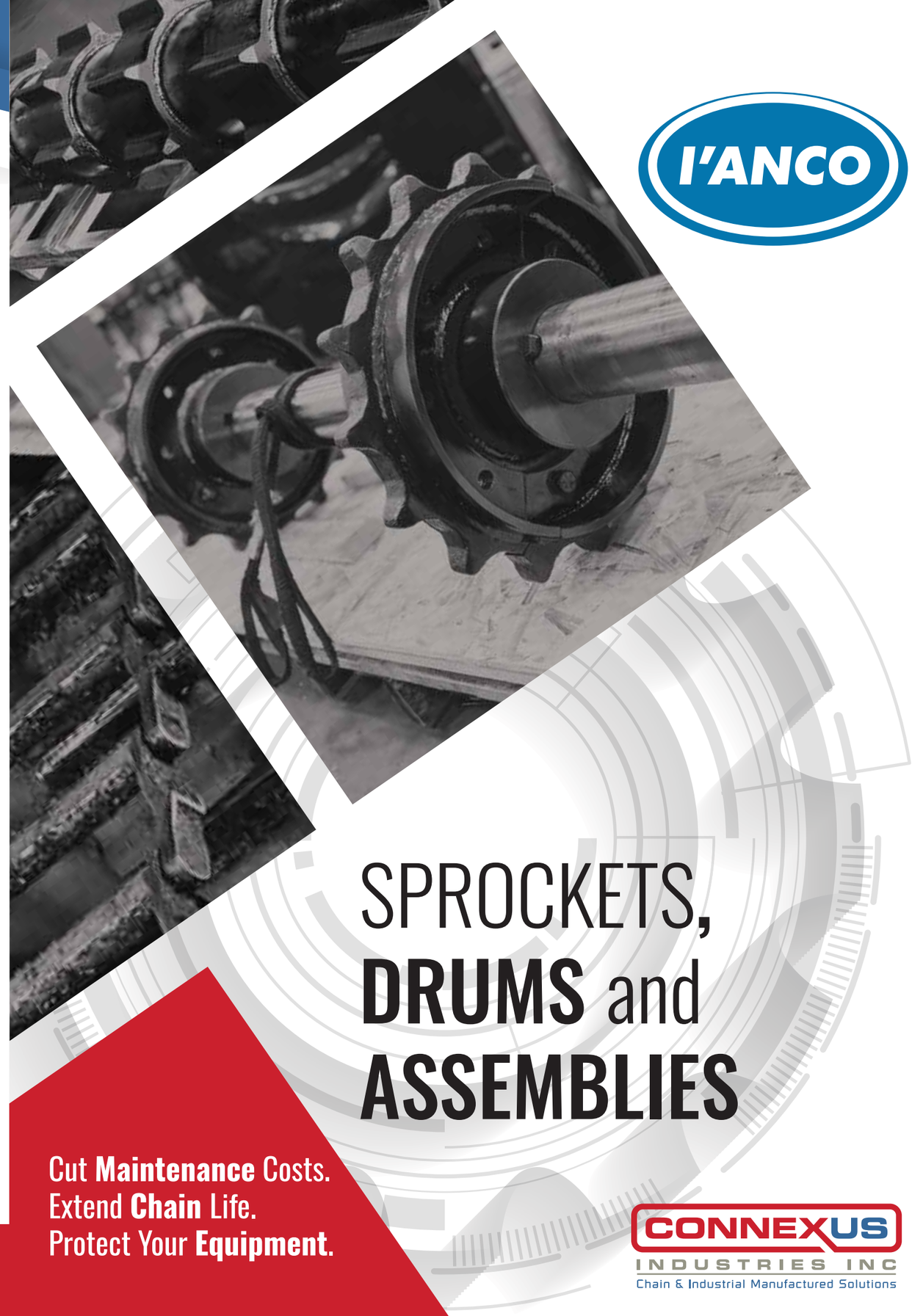
NEW REMOVABLE TEETH SEGMENTS



PART NUMBER	DRUM
QUANTITY OF SPROCKETS	
CHAIN SIZE	
NUMBER OF TEETH	



CAN: 604.882.1602 | **USA:** 678.797.0777
cnxsind.com or **orders@cnxsind.com**



I'ANCO

SPROCKETS, **DRUMS** and **ASSEMBLIES**

Cut **Maintenance** Costs.
Extend **Chain** Life.
Protect Your **Equipment.**

CONNEXUS INDUSTRIES INC
Chain & Industrial Manufactured Solutions

SPROCKETS

Connexus l'anco has been building sprockets, drums and systems for almost 100 years.

STOCK BORE **PILOT BORE** **FINISHED BORE**



SPROCKET STYLES FOR CONVEYOR APPLICATIONS



SOLID
- Solid plate, welded to solid hub.
- A basic, economic construction.



CHAIN SAVER SPROCKETS
A unique design with flanged rims on both sides of the sprocket.
- keeps the chain centered as it wraps,
- distributes load over a larger contact area to reduce wear,
- helps balance the attachment,
- improving chain engagement with the sprocket.



TRACTION RIM / WHEEL
- Essentially a toothless sprocket,
- Available in solid, segmented, or split designs,
- Ideal for single-strand bucket elevators and abrasive conveyor applications,
- Requires sufficient friction to drive the chain,
- Key benefit: allows chain slip during overload or obstruction conditions

SPROCKET STYLES



A Type No Hub | B Type 1 Hub | C Type 2 Hubs

BUSHINGS

SPLIT TAPER **QD** **TAPER LOCK** **IDLER**



I'ANCO INNOVATOR sprockets, drums and shaft assemblies make your maintenance easy with removable segments and sprocket rims.

80% reduction in labor and lost production time versus standard sprocket and drum designs.

I'ANCO • INNOVATOR •



SPLIT
- Split plate, split hub.
- Basic construction that allows for easier installation.

→ Remove sprockets without removing shaft.



SEGMENTED
- Solid plate welded to hub with bolt on segments.
- An innovative construction that allows for easy segment replacement.

→ Remove without removing shaft or hub body.

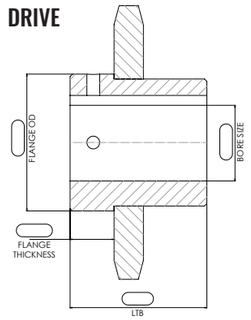


SEGMENTED / SPLIT
- A split plate/hub with bolt on segments.
- Ultimate flexibility.

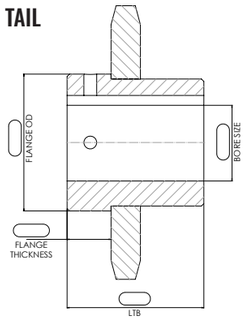
→ Segment or hub body can be easily serviced/ replaced without removing shaft.

Include as much information below as possible, include photo's & drawings (if available) and fill in the bubbles on the illustrations	
Chain Size:	
Number of Teeth:	
Hub Type (A, B or C):	
Hub Style (Solid, Split, Other):	
Set Screws (1 or 2):	
Additional Notes:	

DRIVE



TAIL



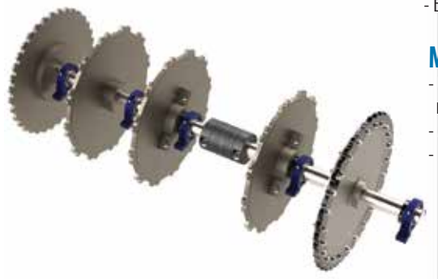
SHAFT ASSEMBLIES



FULL SHAFT ASSEMBLIES:

CONNEXUS HAS EXTENSIVE EXPERIENCE WITH SHAFT ASSEMBLIES.

SHAFT ASSEMBLY
Replacing shrunk fit components can be costly. Complete shaft assembles 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

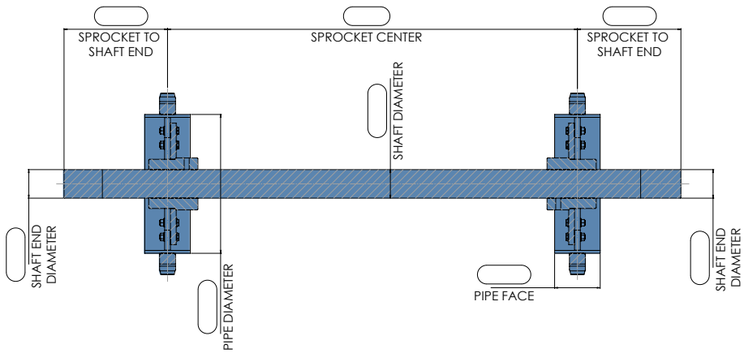
MATERIALS:
- Cast teeth for extra wear life due to microstructure and carbide content.
- AR material
- Hardened 1045 and other materials available.

KEYED IN LINE FOR TIMED APPLICATIONS
- We make sure that the sprockets teeth are perfectly timed.
- This goes together with our matched and tagged chain to ensure your multiple-strand application is set up correctly.
- Perfect for elevators, scanners, trimmers, etc.

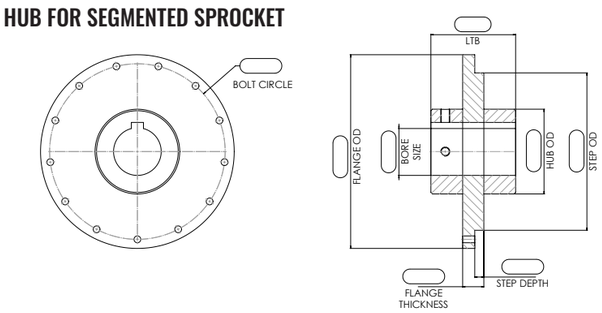
ATTENTION: Hub default orientation is HUB-TO-HUB.



Include as much information below as possible, include photo's & drawings (if available) and fill in the bubbles on the illustrations	
Chain Size:	
Number of Teeth:	
Hub Type (A, B or C):	
Hub Style (Solid, Split, Other):	
Set Screws (1 or 2):	
Sprocket Idle:	
Additional Notes:	



HUB FOR SEGMENTED SPROCKET



SPROCKET SEGMENTS

