

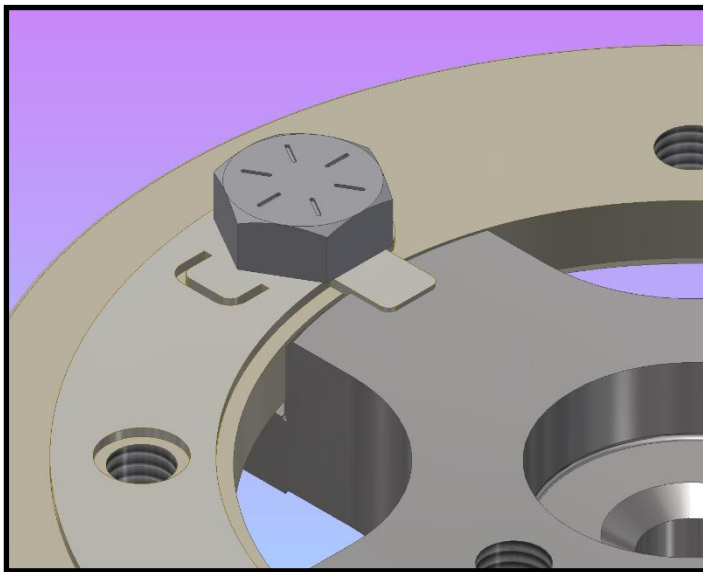


Bulletin No: **SB 0040**  
**Tab Lock use on drive sheaves**  
Model: ----- P/N: ----  
Issued: 220504 Patent: ---

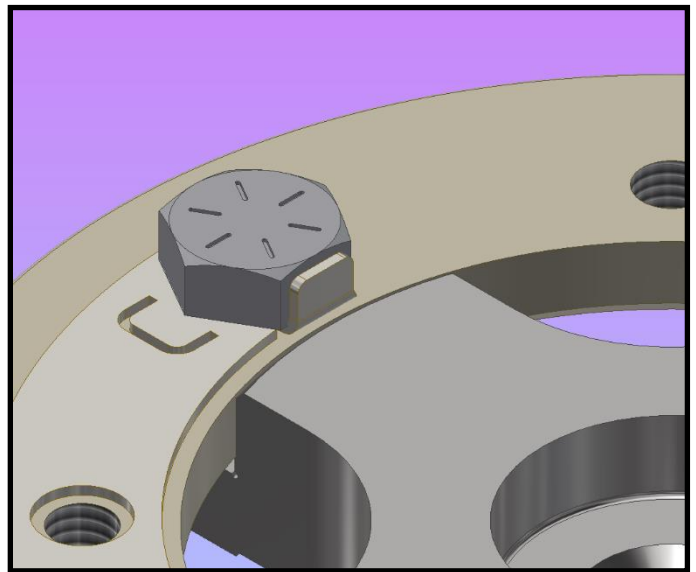
## Introduction

Cranston Machinery has made a change in the method for mounting and securing the drive sheaves used on wire drive and strap drive units. Previously the sheaves were secured at the factory by socket head cap screws with liquid thread locker. Once in the field, if thread locker is not used, or in cases where it fails, the screws can loosen and back out. When this occurs, the head of the screw interferes with the frame of the drive unit and is broken off.

We are now using (4) Grade 8 Hex Head Cap Screws and a Tab Lock to secure the sheaves. The Tab Locks come in pairs and each Tab Lock has (2) screw holes, and (2) tabs for each. Properly installed Tab Locks prevent the screws from rotating.



Tab Lock installation shown with screw installed, prior to tab being lifted in place.



Tab Lock installation shown with screw installed, and tab in place.

**Warning- Use only grade 8 hex head cap screws. Do not substitute.**

## Typical installation and removal of drive sheaves and Tab Locks.

When the existing hardware is removed, the sheave is removed by hand, the parts cleaned or replaced, new Tab Locks and screws installed and torqued, and then, one tab each screw, is to be bent into place. Once torqued and prior to bending the Tab, if needed, the screw should be reversed so the Tab face and face of the screw are parallel to one another. It is recommended to not bend the Tab up against the sharp edge of the screw head.

Hex Head Screw Size	Torque Ft-Lbs. (non-lubricated)	Torque Nm (non-lubricated)
1/4-28NF	14-15	19-20
M6 x 1.00	10-11	13.5 -15

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### Installation and removal of frozen drive sheaves

If the old sheave cannot be removed by hand, Cranston recommends the user install (2) standard bolts or screws (not included) into one of the set of opposing threaded holes located between the sheaves' mounting holes. One set of threaded holes is metric and one Imperial. The length of the bolts or screws will vary based upon machine application. The proper length will be long enough to reach the material it will push against, behind the sheave.

### Application data

(2) Tab Locks and (4) new hex head cap screws are included with each new sheave when ordered as a replacement part.

For typical pulp bale strappers and Unitizers or that use BA0155001, BA0155003, BA0155005 or BA0155007 sheaves, simply use the tab locks and new hex head fasteners included with the sheave when replacement is required. This is also true for RapStrap (Paper strap) machines that use sheaves BB5830000 or BB7487000.

MDC 24/7 strappers for the waste and recycle industry, use CBB9666003 wire sheaves, and are equipped from the factory with Tab Locks.

If you have an early model strapper used in the waste and recycling industry, with a model number shown below, it is necessary to change the wire guide cover on the wire drive assembly to take advantage of the Tab Lock method for mounting the sheaves.

Refer to your user's manual to determine the part that you have and the chart below for the new part number to order.

Model No.	PA No.	Item No.	Existing Wire Guide Cover	New Wire Guide Cover to order.
62B014	PA4600	33	CB2397000	CB6174000
62B015	PA5156	32	CB2984000	CB6120000
62B016	PA5450	33	CB3211000	CB6173000
62B017	PA5570	36	CB2397000	CB6174000



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