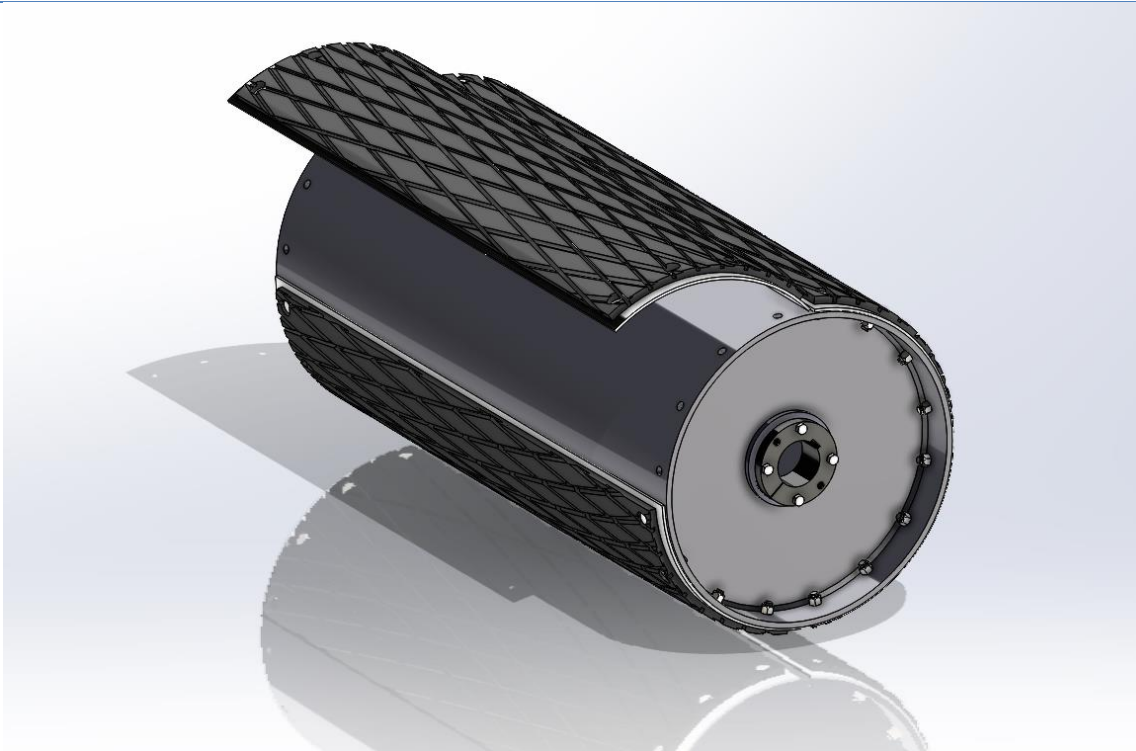




Safety, Operation, & Maintenance Manual



Douglas Bolt-on Replaceable Rim Lagging

Warning: This manual must be read, understood, and followed by anyone that installs, operates, and maintains this product. Failure to follow instructions may result in serious or fatal injury.

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SAFETY INFORMATION

1. Follow all federal, state, local and owner recommended safety guidelines.
2. Before beginning work on a conveyor always lockout and tag-out the equipment. Follow all OSHA and other guidelines that pertain to lockout and tag-out procedures.
3. Do not allow anyone to attempt installation on the conveyor or attempt to operate the conveyor until they have read this manual thoroughly and understand it completely.
4. Only workers who are safety trained and familiar with the mechanics and mechanical nature of conveyors and rigging for unloading should work on or around conveyors.
5. Use only safety trained, certified and licensed electricians for all electrical requirements.
6. When loading or unloading the Replaceable Rim Lagging make sure that you are away from power lines and use caution to prevent metal equipment from contacting power lines.
7. Do not wear loose clothes, jewelry or neckties when working on or around conveyors. Long hair should be secured under a cap or bandana to prevent injury. The moving parts of a conveyor may catch loose clothes, jewelry, neckties, or long hair and may result in serious injury.
8. Never operate a conveyor without guards in place. If, in your specific application a moving part is accessible, always cover with expanded metal or other suitable safety cover. Some conveyors are supplied without guards per customer request. It is the customer's responsibility to install proper guards that adhere to local, state, and federal requirements and promote safety in the operation of the conveyor.
9. Never allow anyone to ride on a conveyor.
10. Before starting the conveyor make sure that no one is exposed to the moving parts or material being discharged. The speed of the conveyor and the material being conveyed is sufficient to cause bodily injury.
11. If you attempt to weld on a conveyor, disconnect all power sources and connect to a suitable ground point as close to the welding area as possible.
12. Periodically check the conveyor to verify that all safety devices supplied by Douglas Mfg. Co., Inc. or supplied by the customer are in place and working correctly. Do not attempt to use a conveyor that has missing safety devices or safety devices that are not functioning properly.

13. Always replace worn components with factory recommended components.
14. Safety is the responsibility of all concerned. Be aware and alert at all times. Report unsafe conditions to the owner as soon as possible and always take improperly maintained or malfunctioning equipment out of service until such time as it may be properly serviced and returned to normal, safe operating conditions.

INSTALLATION

- Follow all OSHA, state, and owner safety procedures. Lock-out, tag out all equipment before servicing. Never, never operate, adjust, or install equipment on a moving conveyor.
- Clean pulley face of dirt and buildup.
- Place first rim segment on pulley. Hold in place with C-clamps at each end.
- It may be necessary to pull the middle down with chain against the pulley face. Be sure each segment fits snug against pulley face (prevents segment flexing and weld fatigue).
- Drill or Torch approximately 9/16" diameter holes thru pulley rim using the holes in steel segment as a template.
- Place second rim segment on pulley with approximately 3/16" to 1/4" gap between first rim segment and drill bolt holes per previous note.
- Install fasteners: 1/2"-13 UNC x 1-1/2" Long Bolts, and Nylock 1/2"-13 Nuts. Tighten securely to pulley face.
- Be sure that personnel and equipment are clear of the conveyor and pulley before starting the conveyor.
- Safety is the responsibility of all concerned. These instructions cannot cover every situation that may occur. Be aware and alert for any situation that may present a safety problem and report it to the appropriate person immediately.

PULLEY DIAMETER	10	12	14	16	18	20
WEIGHT (LBS./IN. OF LENGTH)	1.74	2.09	2.44	2.8	3.48	3.63
NUMBER OF SEGMENTS	3	3	3	3	3	3
BOLTS / RIM SEGMENT	6	8	10	10	10	12

PULLEY DIAMETER	24	30	36	42	48
WEIGHT (LBS./IN. OF LENGTH)	4.18	5.23	6.28	7.33	8.37
NUMBER OF SEGMENTS	3	4	4	4	4
BOLTS / RIM SEGMENT	14	12	16	18	18

GENERAL MAINTENANCE

Proper maintenance and care will help ensure that your conveyor provides years of long, trouble free life. Regular inspection, lubrication, adjustment and maintenance will help prevent breakdown situations.

REQUIRED DAILY MAINTENANCE

Check for any safety hazards. Make sure that all guards are in place. Check for loose bolts, etc. and check mechanical joints.

Listen for unusual sounds and check for unusual vibrations.
Check for proper belt travel.

REQUIRED WEEKLY MAINTENANCE

Inspect for worn parts and replace well in advance of failure to prevent costly downtime and interruptions in production.

Inspect belt, vulcanized belt splice or mechanical fasteners for wear and repair/replace as needed.

Replace missing or worn out caution labels.