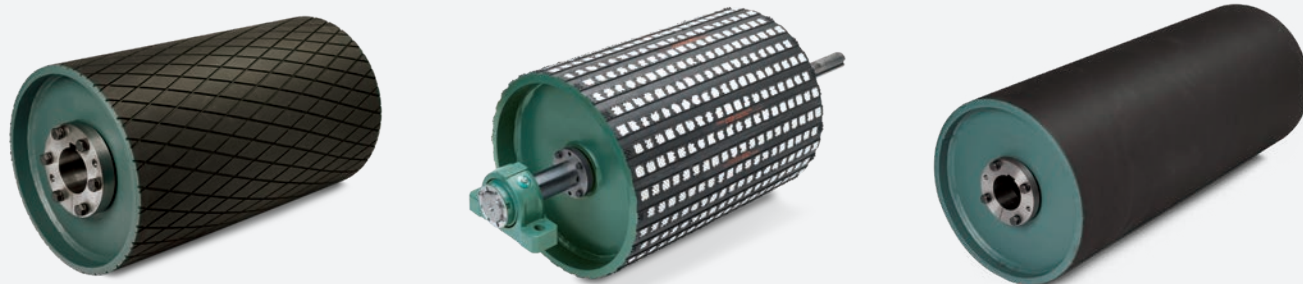


DODGE MECHANICAL

# Lagging

## For pulleys

**DODGE**<sup>®</sup>



- Designed to ensure maximum belt and pulley life in tough applications
- Full variety of lagging options including vulcanized, cold bond and weld-on lagging



# Lagging capabilities

Dodge conveyor pulleys can be provided with high quality lagging designed to ensure maximum belt and pulley life in tough applications. Dodge has the expertise to offer a full variety of lagging options including vulcanized, cold bond and weld-on lagging.

With over 100 years of conveyor pulley experience, Dodge can be trusted to keep your conveyors running.

## Lagging capabilities

- Rubber vulcanizing up to 78" diameter x 100" face width
- Standard lagging thickness of 1/4", 3/8", 1/2", 3/4", 1" and others available upon request
- Replaceable slide lag up to 72" diameter and exceeding 72" face width
- CNC machining for straight and crown faces
- Cold bonding: ceramic and rubber lagging
- Vulcanized ceramic lagging
- Lagging durometers of 45, 60, 70 and others upon request



A clean surface is required to achieve a quality bond, so every Dodge conveyor pulley is thoroughly shot blasted prior to lagging.

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# Lagging materials and styles

**SBR - general purpose**

- Vulcanized to pulley
- Abrasion resistant
- High traction in wet applications
- General purpose

**D-LAG - harsh environment**

- 73% longer life than standard SBR
- Vulcanized to pulley
- High abrasion resistance
- Excellent traction in wet applications
- Mining, cement, and harsh duty aggregate applications

**Neoprene - MSHA approved**

- Vulcanized to pulley
- Flame and oil resistant
- General underground use

**Replaceable wing lagging**

- Available on CEMA and mine duty wing pulleys
- SBR 60 Duro
- Extends contact bar life
- Solves abrasion issues on wings

**Ceramic - for ultimate life**

- Cold bonded or vulcanized to pulley
- Problem solver for traction or abrasion related issues
- Water relief grooves standard
- Mining and cement applications

**FOS - flame, oil & static resistant**

- Vulcanized or replaceable
- Static conductive - Less than  $1 \times 10^6$  ohm
- Grain and fertilizer handling

**Replaceable slide lag**

- Rust-resistant retainers
- Vulcanized rubber on removable backing plates
- Diamond pattern
- Replace lagging without removing the pulley from service

**Specialty lagging**

- Silicone - wide operating temperature range (-60°F to 400°F)
- Urethane - high abrasion, tensile and elongation performance
- FDA - food grade applications

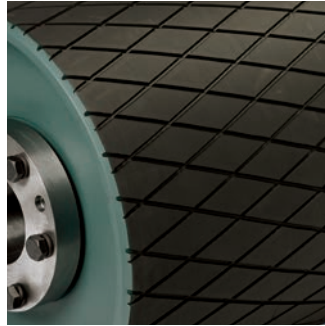
Dodge offers precision CNC turning on vulcanized rubber and neoprene lagging.



# Lagging patterns



01



02



03



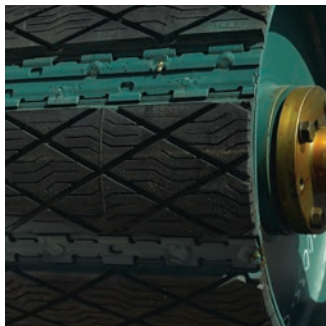
04



05



06



07

## 01 Herringbone

- Grooves in direction of rotation
- Sheds water from belt
- Used on drive pulleys

## 02 Diamond

- Bi-directional pulley rotation
- Sheds water from belt
- Reversing drive pulley capable
- Reduce spare pulley inventory

## 03 Plain

- Smooth rubber lagging surface
- Protects non-drive pulleys on dirty side of belt

## 04 Ceramic

- Bi-directional pulley rotation
- Sheds water from belt
- Reversing drive pulley capable

## 05 Chevron

- Grooves meet at pulley center
- Used on drive pulleys
- Water escapes in either direction

## 06 Circumferential

- Grooves around pulley circumference
- Used on non-drive pulleys
- Allows lag deflection for self-cleaning

## 07 Replaceable slide lag

- Bi-directional pulley rotation
- Sheds water from belt
- Reversing drive pulley capable
- Field replaceable

# Dodge lagging comparison

## Dodge D-LAG: the best value in vulcanized lagging

D-LAG is a proprietary vulcanized rubber compound that has proven to dramatically extend pulley life in the toughest applications. D-LAG has superior resistance to gouges with high tensile strength, and offers excellent traction in wet environments with a high coefficient of friction. If you are searching for a solution to lagging problems, D-LAG is the answer.



- Abrasion resistance is the ability of the lagging to resist wear from contact with abrasive materials
- Tensile strength is the amount of force the lagging withstands before breaking
- Elongation % is the relative length the lagging will stretch before tearing

Selecting pulley lagging with the right properties for the application is important to get maximum pulley life. The following chart shows the characteristics of various lagging durometers and materials offered by Dodge. Consult with your local Dodge sales engineer for help with lagging selection.

—  
General data

Dodge lagging comparison							
Description	Rubber compound	Duro	Abrasion ranking	Hardness (shore A)	Tensile (psi)	Elongation (%)	Cost factor
Dodge D-LAG	Proprietary	60	173	57	2895	600	137
Dodge Std 60	SBR	60	100	60	1660	380	100
Ceramic	SBR/ceramic	60	Very high*	60	3600	600	720
Dodge Std 70	SBR	70	146	66	2075	400	107
Dodge Std 45	SBR	45	51	42	1753	650	113
Dodge NEO 60	Neoprene	60	125	55	1425	350	137
Dodge NEO 70	Neoprene	70	166	69	1528	7,275	132

\* Ceramic is comparable to AR400 steel, rather than rubber, when looking at abrasion resistance





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