• 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.
## 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 x 106 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 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

All values tested per ASTM and DIN standards
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**

<table>
<thead>
<tr>
<th>Dodge lagging comparison</th>
<th>Rubber compound</th>
<th>Duro</th>
<th>Abrasion ranking</th>
<th>Hardness (shore A)</th>
<th>Tensile (psi)</th>
<th>Elongation (%)</th>
<th>Cost factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dodge D-LAG</td>
<td>Proprietary</td>
<td>60</td>
<td>173</td>
<td>57</td>
<td>2895</td>
<td>600</td>
<td>137</td>
</tr>
<tr>
<td>Dodge Std 60</td>
<td>SBR</td>
<td>60</td>
<td>100</td>
<td>60</td>
<td>1660</td>
<td>380</td>
<td>100</td>
</tr>
<tr>
<td>Ceramic</td>
<td>SBR/ceramic</td>
<td>60</td>
<td>Very high*</td>
<td>60</td>
<td>3600</td>
<td>600</td>
<td>720</td>
</tr>
<tr>
<td>Dodge Std 70</td>
<td>SBR</td>
<td>70</td>
<td>146</td>
<td>66</td>
<td>2075</td>
<td>400</td>
<td>107</td>
</tr>
<tr>
<td>Dodge Std 45</td>
<td>SBR</td>
<td>45</td>
<td>51</td>
<td>42</td>
<td>1753</td>
<td>650</td>
<td>113</td>
</tr>
<tr>
<td>Dodge NEO 60</td>
<td>Neoprene</td>
<td>60</td>
<td>125</td>
<td>55</td>
<td>1425</td>
<td>350</td>
<td>137</td>
</tr>
<tr>
<td>Dodge NEO 70</td>
<td>Neoprene</td>
<td>70</td>
<td>166</td>
<td>69</td>
<td>1528</td>
<td>7.275</td>
<td>132</td>
</tr>
</tbody>
</table>

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