

**Application:     **Bark Plant - Hammer Mill\*****

**Data**

**Environment :**       Outdoor, processing during all types of weather.  
**Product on belt:**    Tree bark strips with minimum length of 4'(102.6mm)

**Process description:**

Bark and waste wood are ground up by a hammer mill into smaller pieces. Both are being inserted from above the hammer mill. The mill can be adjusted to the required degree of fineness. After the mill has ground the products, they fall on a discharge belt that has a small incline. At the end of this conveyor, the products drop on a second conveyor with an adjustable incline. At the end of this conveyor the products are dropped on the ground to form a mound.



The hamer mill

**Belt requirements:**

*Grip:*

The cover of the belt must have a high coefficient of friction to be able to grab the fine bark and waste wood easily.

*Abrasion and impact resistance:*

Since the product drops on the belt, the belt needs to be impact resistant and also hold up to the abrasive effect of the rough material.



The first belt

**Previous Belt Problem:**

*2-ply Black Roughtop belt*

This belt had relatively poor abrasion resistance, which resulted in a service life of only 2 - 3 months.

**Solution:**

*Chemprene Blue Nitrile Carboxylated Roughtop belt*

The Blue Nitrile Carboxylated Roughtop has excellent abrasion resistance, which results in a service life of more than one year.

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications, or the results to be obtained there from. The seller makes no warranties, express or implied, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

**Details:**

Minimum pulley diameter	: 6" (152.4mm)
Center to center distance	: 28' (8.53m) (first belt), second belt varies in length
Belt width	: 45" (1143mm) (first belt) and 32" (812.8mm) (second belt)
Speed	: na
Splice	: Mechanical lace
Support	: Slider bed
Maximum incline	: 10° (first belt) and 45° (second belt)
Number of belts	: 2

*Remark:*

In this application there are no special standards required, the belts have no knife edges, no crowning, no reverse bends, no scrapers, and are not troughed.