



DRIVE PULLEY LAGGINGS

Drive pulleys for elevator belts require in most cases to be covered with a friction layer in order to get a positive grip on the elevator belt and drive the belt without slip. This friction layer is called a lagging.

Muller Beltex offers the following types of drive pulley laggings:

- Diamond profile rubber pulley lagging for cold vulcanising to the pulley face
- Slide-Lag rubber pulley lagging for welding to the pulley face
- Preformed steel segments with rubber, ceramic or sintered metal (METTALLAG) for bolting to the rim of the pulley face

DIAMOND PROFILE RUBBER LAGGING

SBR or NBR oil- and fat resistant rubber diamond profile pulley lagging, 10 mm thickness with CN glueing layer. Max. operating temperature +90° C.

Standard roll dimensions:

6.500 mm x 1.400 mm

10.000 mm x 2.000 mm

Additional components for fitting:

- Primer
- Glue for cold vulcanising
- Finishing paste

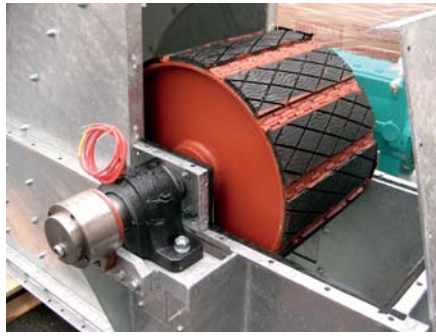
Muller Beltex is offering in house or on site fitting of the diamond profile rubber pulley lagging. Please contact your Muller Beltex representative for technical advice or further technical documentation.



Detail of finished seams on rubber pulley lagging with paste



SLIDE-LAG WELDABLE RUBBER LAGGING



Slide-Lag replaceable pulley lagging is a 12 mm thick profiled rubber vulcanised under high pressure to a 2 mm thick metal segment for fitting in between steel retainer strips welded to the surface of the pulley.

Slide-Lag is available in normal SBR rubber (max. operating temperature +60° C.) and NBR oil and fat resistant, flame retardant ISO 340, 65° Shore A rubber, max. operating temperature +90° C.

Standard dimensions of Slide-Lag pads:

Type S = 135 mm x 1.830 mm

Type L = 142 mm x 1.830 mm

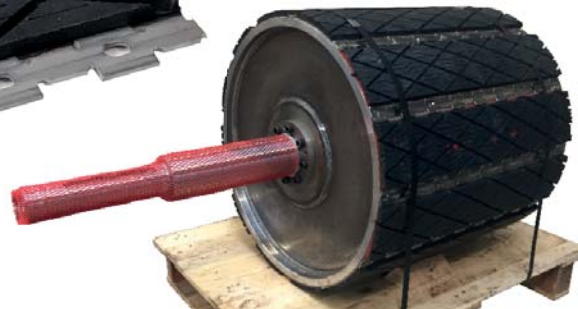
Single and double steel retainer = 1.830 mm

Slide-Lag also available cut to the required size acc. to customer specification



- 1 = 12 mm thick Slide-Lag rubber
- 2 = 2 mm thick steel preformed base
- 3 = drive pulley surface
- 4 = steel double retainer

Slide-Lag is a replaceable pulley lagging. The worn out Slide-Lag pads can be taken out between the two existing steel retainers and a new Slide-Lag pad can be fitted. The Slide-Lag pads can be extra secured between the two steel retainers by welding the 2 mm thick steel base plate to the rim of the drive pulley on each side or fit a counter head screw on each side of the Slide-Lag pad as can be seen on the sketch above.



Slide-Lag pad type S = 135 mm
Slide-Lag pad type L = 142 mm

Example: calculating a O.D. Ø500 mm diameter drive pulley. Always start with first fitting one single steel retainer and ending with one steel single steel retainer:

$$500 \times 3.14 = \underline{1.570 \text{ mm}}$$

Slide-Lag type S:
135 mm x 10 = 1.350mm
Double steel retainer:
20 mm x 9 = 180 mm
Single steel retainer:
17,5 mm x 2 = 35 mm

1.350 + 180 + 35 mm = 1.565 mm
(1.570 - 1.565 = +5 mm. The outcome should always be plus and as small as possible)

Please note:
O.D. Ø500 mm diameter drive pulley with Slide-Lag = O.D. Ø528 mm

Double steel retainer

Single steel retainer



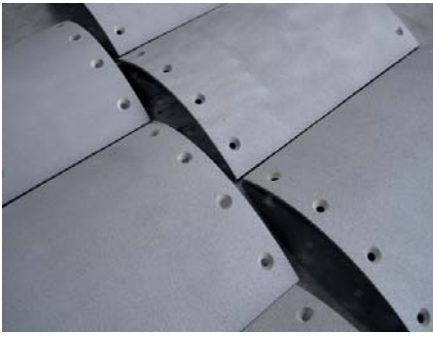
20 mm



17,5 mm



Close up of the Slide-Lag pulley lagging welded on the surface of the drive pulley



STEEL SEGMENTED PULLEY LAGGING

Preformed 10 mm thick steel segments with rubber, ceramic or sintered metal (METALLAG) complete with bolts and nuts for mounting to the rim of the pulley face.

On top of the 10 mm thick steel preformed segments, Muller Beltex offers the following types of drive pulley laggings:

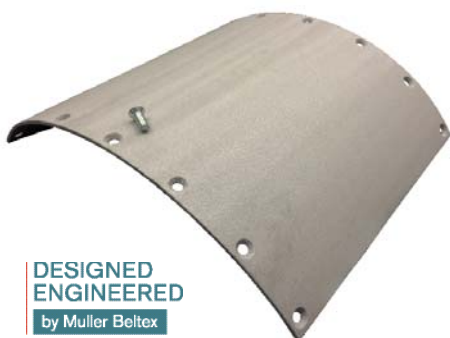
- 10 mm NBR diamond profile rubber (continuous operating temp. +90° C.)
- 10 mm ceramic (continuous operating temp. +140° C.)
- 0,6 mm sintered metal (continuous operating temp. +400° C.)

Please note that for the steel segmented pulley lagging, the segments with rubber and the sintered metal can be supplied with a certain crowning in the steel segments. For the ceramic, we can supply a certain crowning in the ceramic.

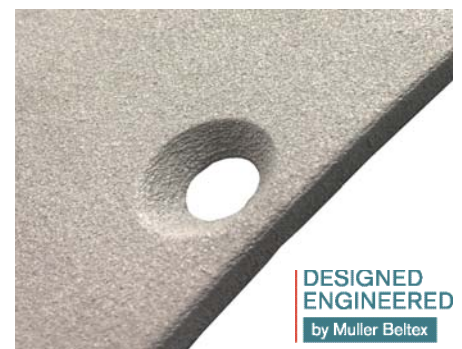
For replacement of an existing pulley lagging with one of the Muller Beltex pulley laggings as mentioned above, please note that the surface of the drive pulley itself should be cylindrical to suit the Muller Beltex preformed steel segments with the pulley lagging on top.

The holes in the new steel segmented pulley lagging will be in conformity with the existing bolt size and bolt hole pattern in the former pulley lagging. A Muller Beltex drawing will be supplied with order.

For further information or technical advice please contact your Muller Beltex representative.



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Close up of sintered metal "METALLAG"