FLEX-LAG®
Pulley Lagging

The Reliable and Economical Solution for Belt Slippage

Flex-Lag has been developed in multiple styles including Light-Duty, Plain-Pattern, Diamond-Pattern Rubber and Diamond-Pattern Ceramic to meet any application. Its design allows for installation in a fraction of the time compared to conventional lagging because Flex-Lag does not require removing the pulley from the conveyor system. A labor-saving cold vulcanization process makes on-site installation fast, simple and efficient.

Light-Duty

- Specially designed for pulleys with diameters as small as 2" (50mm).
- Moisture is channeled between small raised buttons that support and grip the belt and deliver superior traction.

Plain-Pattern

- Helps prevent belt slippage in extremely dirty environments.
- Rubber flexes during use to shed excess materials and prevent material build-up as well as premature belt and pulley wear.
- Horizontal grooves trap and deflect water, resulting in a coefficient of friction superior to plain-sheet lagging.

Diamond-Pattern Rubber

- Constructed from high durometer rubber for abrasion resistance.
- Diamond pattern is based on rain tire tread designs for superior water-shedding characteristics.
- Helps keep belt slippage to the absolute minimum.

Diamond-Pattern Ceramic

- Large ceramic tile is molded into the diamond section, providing an increased coefficient of friction.
- Diamond pattern is based on rain tire tread designs for superior water-shedding characteristics.
- Uses the advantages of a ceramic product at a more affordable cost.

Features and Benefits

- **Easy to use.** The in situ installation of Flex-Lag eliminates the need to remove the pulley from the conveyor system, meaning less conveyor downtime.
- **Works on a range of pulleys.** Because these come in rolls 8" wide (200mm) and lengths of 10.8 ft. (3.3M) for Light-Duty and 21ft. (6.5M) for Plain-Pattern and Diamond-Pattern solutions, virtually any pulley dimensions can utilize Flex-Lag. See step-by-step instructions and Strip Selection Guide to apply.
- **Available with FRAS approved rubber.** The Flex-Lag Plain Pattern, Diamond-Pattern Rubber and Diamond-Pattern Ceramic are available in both natural rubber and FRAS (Fire Resistant Anti Static) rubber.

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Specifications and Guidelines

Step-by-Step selection instructions

Step 1: Measure the diameter of your pulley.

Step 2: See Strip Selection Chart to determine the number of strips you will need to lay lengthwise across the pulley.

Step 3: Choose the material and pattern best suited to your application.

Step 4: Determine the number of rolls required to cover pulley face:

A. Determine Length of Strip-
For Light-Duty and Plain-Pattern Lagging: Pulley face plus 2" (50mm)
For Diamond-Pattern Lagging: Pulley face plus 4" (100mm)

B. Calculate Strips per Roll-
For Light-Duty Lagging: 129" (3.3M) ÷ length of strip
For Diamond-Pattern and Plain-Pattern Lagging:
252" (6.5M) ÷ length of strip

C. Number of Rolls Required-
Number of strips required ÷ strips per roll

Strip Selection

Pulley Diameter		Strips Required	Pulley Diameter		Strips Required
in.	mm		in.	mm	
12.6-15.0	320-381	6	42.6-45.0	1083-1145	18
15.1-17.5	382-445	7	45.1-47.5	1146-1210	19
17.6-20.0	446-510	8	47.6-50.1	1211-1273	20
20.1-22.5	511-573	9	50.2-52.6	1274-1336	21
22.6-25.0	574-636	10	52.7-55.1	1337-1400	22
25.1-27.5	637-700	11	55.2-57.6	1403-1463	23
27.6-30.0	701-764	12	57.7-60.1	1466-1527	24
30.1-32.5	765-827	13	60.2-62.6	1529-1590	25
32.6-35.0	828-891	14	62.7-65.1	1593-1654	26
35.1-37.5	892-955	15	65.2-67.6	1656-1717	27
37.6-40.0	956-1018	16	67.7-70.1	1720-1781	28
40.1-42.5	1019-1082	17	70.2-72.6	1783-1844	29

Specifications:

Temperature Rating 5° F to 185° F (-15° C to 85° C)	**Rubber Hardness** 68 ± 3 Shore A	**Ceramic Compound (Diamond Ceramic Lagging)** Aluminum Oxide (Al_2O_3)
Rubber Compound SBR (Styrene-Butadiene-Rubber)	**FRAS (Fire Resistant Anti Static)** **MHSA Certification # - MSHA NO. IC-190** Available (see below)	**Ceramic Hardness (Diamond Ceramic Lagging)** 83 HRA Rockwell Hardness Scale A

Ordering Information

Flex-Lag® Roll Lagging - SBR Rubber*

Pattern	Thickness		Length		Ordering Number	Item Code
	in.	mm	ft.	m		
Diamond	3/8	10	21	6.5	10ND6.5/21	71002
Diamond	1/2	12	21	6.5	12ND6.5/21	71004
Diamond	5/8	15	21	6.5	15ND6.5/21	71006
Diamond	3/4	20	21	6.5	20ND6.5/21	71008
Diamond	1	25	21	6.5	25ND6.5/21	71152
Plain	3/8	10	21	6.5	10NP6.5/21	71010
Plain	1/2	12	21	6.5	12NP6.5/21	71012
Plain	5/8	15	21	6.5	15NP6.5/21	71017
Plain	3/4	20	21	6.5	20NP6.5/21	71021
Plain	1	25	21	6.5	25NP6.5/21	71163
Diamond Ceramic	1/2	12	21	6.5	12NDC6.5/21	71155

Flex-Lag® Roll Lagging - FRAS Rubber*

Pattern	Thickness		Length		Ordering Number	Item Code
	in.	mm	ft.	m		
Diamond	3/8	10	21	6.5	10FRD6.5/21	71014
Diamond	1/2	12	21	6.5	12FRD6.5/21	71016
Diamond	5/8	15	21	6.5	15FRD6.5/21	71018
Diamond	3/4	20	21	6.5	20FRD6.5/21	71019
Plain	3/8	10	21	6.5	10FRP6.5/21	71020
Plain	1/2	12	21	6.5	12FRP6.5/21	71022
Plain	5/8	15	21	6.5	15FRP6.5/21	71015
Plain	3/4	20	21	6.5	20FRP6.5/21	72129
Diamond Ceramic	1/2	12	21	6.5	12FRDC6.5/21	71159

FRAS (Fire Resistant Anti Static) MSHA Certification # - MSHA NO. IC-190
Ordering Number Key: **N** - SBR, **FR** - FRAS, **P** - Plain, **D** - Diamond, **D** - Diamond Ceramic, **LD**- Light Duty

Flex-Lag® Light Duty Rubber**

Pattern	Thickness		Length		Material	Ordering Number	Item Code
	in.	mm	ft.	m			
Light Duty	.3	7.5	11	3.3	SBR	7.5NLD3.3/11	71077
Light Duty	.3	7.5	11	3.3	Nitrile	7.5WLD3.3/11	71076

Shaded items are made to order.
Lead time: 8 -10 weeks

* For Flex-Lag® Natural Rubber and Flame-Resistant Rubber, all material is 8" (200mm) wide and 10.8' (3.3M) rolls.

** For Flex-Lag® Light Duty Rubber and Flame-Resistant Rubber, all material is 8" (200mm) wide in 21' (6.5M) rolls.

Authorized Distributor:

ISO 9000 REGISTERED
2525 Wisconsin Avenue • Downers Grove, IL 60515-4200 • USA
Tel: (630) 971-0150 • Fax: (630) 971-1180 • E-mail: info@flexco.com

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