RUBBER & PLASTICS INC.

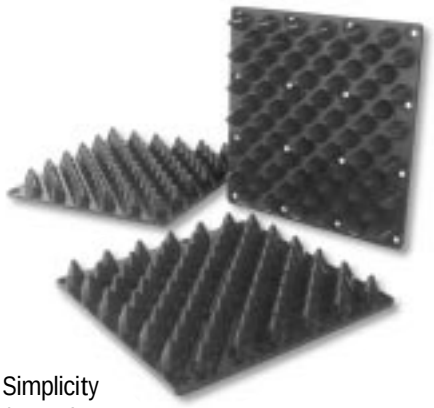
The Conveyor

Spring 2000

New Products From R & P

R & P continues to expand its line of abrasion-resistant products and specialty items. New products in stock include Arch Simplicity Chute Liners and Arch Environmental Belt Cleaners and Scraper Blades. Call R & P for more information.

Arch Simplicity Chute Liners



Simplicity Chute Liner

The impact point on a chute or screen can be the most difficult area to protect when using typical wear liner material. The Simplicity Chute Liner, constructed of wear-resistant polyurethane and a multi-coned surface, allows material to build up on the liner and provides a protective layer.

As material strikes the chute liner, it does not actually hit the urethane. Instead, it hits the material being built up between the cones. This allows the chute liner to have a self-renewing wear surface. This action provides continuous service and reduces maintenance costs and downtime.

The Simplicity Chute Liner:

- Is easy to install.
- Requires little maintenance.
- Mounts at impact point on chute or screen.
- Lasts longer than flat sheet liners.

Arch Environmental Belt Cleaner and Scraper Blades

Arch Belt Cleaner and Optional Blade

Material carried back by your conveyor causes safety hazards, accelerates the wear on your conveyor components, and is expensive to clean up. The improved design of the Arch Belt Cleaner, with its reinforced blade and frame, allows it to take more abuse. In addition, you can replace the blade from either side of the conveyor, minimizing downtime.

Features of the Arch Belt Cleaner include:

- A reinforced blade and frame.
- Easy installation.
- Low maintenance.
- The ability to handle mechanical splices.
- A self-sharpening system.
- Quick blade replacement.
- The ability to maintain consistent pressure.
- Minimal downtime.

In This Issue

Rubber Ron's Report

The World of Rubber

Price increases seem to be the news from major rubber manufacturers these days. Chemprene Inc., Georgia Duck, Oregon Rubber and Thermoid, Inc. all recently announced price increases of between 3-7%, effective in March.

Two commodities that influence prices in our industry are natural rubber and crude oil. Oil prices affect the cost of rubber additives, fabrics, and manufacturing. It pushes up the cost of transportation and heating for facilities. In the last 12 months, the price of a barrel of heavy crude oil has more than tripled. In addition, major ingredients, Styrene Butadiene (SBR) and Carbon Block are seeing large increases.

I think we should expect 3-7% price increases in all rubber products this year.

Update on NIBA's Convention, "Gateway to Revolution"

September 6–9, 2000
Boston, Massachusetts

Since I am the chairman of the Program Committee, I am promoting this year's event more than usual. Yes, I am a little biased, but I think it will be a great time.

We have already lined up three dynamic speakers—Connie Podesto, *Difficult People in the Workplace*; Don Reynolds, *How Will Technology Impact the Workplace of the Future?*; and C.W. Metcalf, *Lighten Up: Survival Skills for People Under Pressure*. We will have a special event at the John F. Kennedy Library and Museum, which will include a tour and dinner. During the week, attendees will get a report from the Belt Education and Technical Committees. Also, in response to a survey at the last convention, we are not scheduling any events in the afternoons so that people have time for individual meetings. Of course, there are more events planned for members and their guests, but this gives you the highlights.

Charge It!

Did you know you could charge it at R & P? For your convenience, we accept Visa, MasterCard, and now American Express. We hope this gives you more flexibility when purchasing our products. If you have any questions about charging a current or future order, give us a call.

"You need to learn about a great labor saving device – it's called tomorrow."

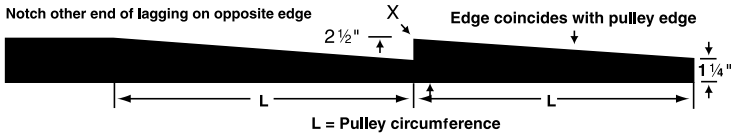
RUBBER & PLASTICS INC.

TECH NOTES

CLIP AND SAVE FOR FUTURE REFERENCE

Strip Pulley Lagging Application

In the last issue of *The Conveyor* (Fall, 1999), we reported on pulley lagging. In this issue, we give you information on strip lagging applications. Be sure to call R & P for all your lagging needs—strip lagging, rubber cement, and drive screws.



How to apply lagging

1. Remove grease and oil from the pulley surfaces with a wire brush and solvent.
2. Wash pulley side of the lagging with solvent.
3. Determine the length of the lagging (see table).
4. Cut and notch one end of the lagging.
5. Cover surface of the pulley with two coats of Striplag cement, allowing 20 to 30 minutes of drying time for each coat. Apply two coats of cement to the pulley side of the lagging in the same manner.
6. Start at one end of the pulley to apply notched end of lagging. Pull tightly to ensure a snug fit. You can increase the tension by snubbing the lagging around a bar as you rotate the pulley or by any other means that stretches the lagging about 1%.
7. On all pulleys (flat or crowned), you wind the lagging onto the point where the lagging first touches the opposite edge of the pulley. Mark this first point, where the lagging touches, then unwrap the lagging once around the pulley and notch it at the marked point, the same way you did at the other end.
8. Fasten the ends of the lagging to the pulley with wide, flathead bolts or rivets.

We recommend using vulcanized lagging for drive pulleys on conveyors under high belt tension.

Recommended Number of Bolts for Use with Strip Lagging

Drive Motor Horsepower Rating	Width (") of conveyor belting to use with lagged pulley: 18, 24, 30, 36	42, 48, 54, 60, 72
Under 25	Bolts at ends only	Bolts at ends only
25-60	Bolts at ends, two bolts in each edge wrap, and *one* bolt per intermediate wrap	Bolts at ends only
60-125	Bolts at ends, four bolts in each edge wrap, and *two* bolts per intermediate wrap	Bolts at ends, two bolts in each edge wrap, and *one* bolt per intermediate wrap
125-200	———	Bolts at ends, four bolts in each edge wrap, and *two* bolts per intermediate wrap

2 1/2" Wide Strip Lagging Required to Cover Standard Pulleys (ordering length, in feet)

Pulley Diameter (")	Width of Pulley Face (") 12	14	16	18	20	22	24	26	30	32	36	38	42	44	48	51	57	63
6	10	11	12	13	15	16	17	18	21	22	25	26	28	30	33	34	38	42
8	12	14	15	17	19	20	22	24	27	28	32	33	37	38	41	44	49	54
10	16	18	20	21	24	26	28	30	35	37	41	43	47	49	53	57	63	69
12	18	21	23	25	28	30	33	35	40	42	47	50	55	57	62	66	73	80
14	22	25	28	31	33	36	39	42	48	53	57	60	66	68	74	79	88	97
16	24	27	30	34	37	40	43	47	53	56	63	66	73	76	82	87	97	107
18	28	32	35	39	43	47	50	54	62	66	73	77	84	88	96	101	113	124
20	31	35	39	43	48	52	56	60	69	73	81	84	94	98	106	112	125	138
24	37	42	47	52	57	62	67	72	82	84	97	102	112	117	127	135	150	165
30	46	52	59	64	71	77	84	90	103	109	121	128	140	147	159	169	188	206
36	55	63	70	78	85	93	100	108	123	131	146	153	168	176	191	202	225	248
42	64	73	82	91	99	108	117	129	143	152	170	179	196	203	223	236	262	289
48	71	81	91	100	110	120	130	139	159	168	188	198	217	227	246	261	290	320
54	82	94	105	117	128	139	150	162	184	196	218	230	252	264	286	303	337	371

2" Wide Strip Lagging Required to Cover Standard Pulleys (ordering length, in feet)

Pulley Diameter (")	Width of Pulley Face (") 12	14	16	18	20	22	24	30	36	42	48	63
6	11	12	14	16	18	19	21	26	32	37	41	55
8	15	17	19	21	23	25	28	34	40	46	53	68
10	19	21	24	26	28	32	34	42	50	57	65	82
12	22	25	29	32	35	38	41	51	60	69	79	102
14	26	30	30	37	41	44	48	59	70	81	92	119
16	30	34	38	42	46	51	55	67	80	93	105	136
18	33	38	43	48	52	57	62	76	90	105	119	154
20	37	42	47	53	58	63	68	84	100	116	131	171
24	44	51	57	63	70	76	82	101	120	139	158	204
30	54	63	71	78	86	94	102	125	149	172	196	258
36	66	75	85	94	104	110	122	131	179	207	235	306
42	77	88	99	110	121	132	142	176	209	242	275	358

How computed:

$$\frac{W (") \times L (")}{2.5} \div 12" + 10' = \text{Length of strip lagging required (')}$$

W = face width of pulley
L = outside circumference of pulley (diameter x 3.14π)

Call Toll Free:
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RUBBER & PLASTICS INC.

Product Line & Services

CONVEYOR BELT
Heavy-Duty Rubber Belt
Light-Weight Rubber Belt
Oil-Resistant Belt
High-Temperature Belt
PVC, RMV Belt
Profile, Rubber & PVC Belt (Roughtop, V-Cleat, Chevron, Crescent Top, etc.)
Integrally Molded, Cleated Belt
Food Handling Belt

CUSTOM FABRICATION
Rubber (Hot-Vulcanized) Cleat
PVC (Thermo-Welded) Cleat
Custom Cleats: Transverse, Beefy T-Cleat, Herringbone, Chevron (Open & Closed), Scoop, Curved, etc.
V-Guides (Plain or Notched)
Corrugated Sidewall
Vanner Edges
Dewatering Belt
Elevator Belts
Punched Parts, Flaps, etc.
Specialty OEM Applications
Vulcanized, Endless Belt
Rubber Boots (Sleeves)

CONVEYOR IDLERS
Troughed Idlers (Equal & Unequal Length Rolls)
Return & Flat Carrier Idlers
Impact Idlers (Rubber Cushion)
Self-Aligning (Training) Idlers
Feeding/Picking Troughed Idlers
Replacement Rollers (Cans)
Return Roll Guards
Replacement Component Parts
Low Profile & Channel Mount Idlers
Side Guide Idlers
Live Shaft Idlers

CONVEYOR PULLEYS
Drum-Type Pulleys
Wing-Type Pulleys
Spiral Wing & Drum Pulleys
Heavy-Duty, Reinforced Pulleys
Motorized Drive Pulleys
Magnetic Pulleys
Hubs & Bushings
Shafting
Pad Lag/Slide Lag
Roughtop & Vulcanized Lagging

SPECIALTY ITEMS
Punched & Cut Parts: Seals, Gaskets, Guards, Deflectors, Custom Parts, etc.
Trailer Flaps
Bolt-on Cleats
Tatch-A-Cleat
Rubber & PVC Bondable Cleats & V-Guides
Belt Scraper Blades
Impact Beds
Mats
Dock Bumpers
Metal Back Rubber
Rubber Boots (Sleeves)

ADHESIVES
Truflex/Pang Products
Belt Splice Kits
Neoprene Contact Cement
PVC Cement
Urethanes

SHEET RUBBER, ETC.
Skirtboard Rubber
Combi-Rubber
Crown Bar Rubber
Chute Lining
Pure Gum Rubber Sheet
Urethane Sheet
Neoprene Rubber Sheet
Diaphragm Sheet
Cloth-Inserted (C.I.) Sheet
Red Gum Rubber (40 Duro)

OTHER SERVICES
Engineering & Technical Assistance
Conveyor Consulting
Belt Surveys
Field Splicing (Vulcanizing), Repairs, & Installations

MECHANICAL FASTENERS
Clipper, Staple, Bolt-Hinged, Rivet-Hinged, Installation Tools, etc.

PULLEY LAGGING
Herringbone, Plain, V-Groove, Roughtop, etc.

USED BELT AVAILABLE AND MUCH MORE!

Call Toll Free: 1-800-234-2358