

# **Flex-Lag® Cold Bond Pulley Lagging**

## **Installation, Operation and Maintenance Manual**

Light-Duty



Plain-Pattern



Diamond-Pattern Rubber



Diamond-Pattern Ceramic (13%)



Medium Ceramic (39%)



Full Ceramic (80%)



# **Flex-Lag® Cold Bond Pulley Lagging**

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Purchase Date: \_\_\_\_\_

Purchased From: \_\_\_\_\_

Installation Date: \_\_\_\_\_

This information will be helpful for any future inquiries or questions about replacement parts, specifications or troubleshooting.

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# **Section 1 – Important Information**

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## **1.1 General Introduction**

We at Flexco are very pleased that you have selected Flex-Lag® Pulley Lagging for your conveyor system.

This manual will help you to understand the operation of this product and assist you in making it work up to its maximum efficiency over its lifetime of service.

It is essential for safe and efficient operation that the information and guidelines presented be properly understood and implemented. This manual will provide safety precautions, installation instructions, maintenance procedures and troubleshooting tips.

If, however, you have any questions or problems that are not covered, please contact your field representative or our Customer Service Department:

**Customer Service: +27-11-608-4180**

**Visit [www.flexco.com](http://www.flexco.com) for other Flexco locations and products.**

Please read this manual thoroughly and pass it on to any others who will be directly responsible for installation, operation and maintenance of this pulley lagging. While we have tried to make the installation and service tasks as easy and simple as possible, **it does however require correct installation and regular inspections to maintain top working condition.**

## **1.2 User Benefits**

Correct installation and regular maintenance will provide the following benefits for your operation:

- Eliminate belt slippage
- Reduced conveyor downtime
- Reduced man-hour labor
- Lower maintenance budget costs
- Increased service life for the lagging and pulley

## **1.3 Service Option**

Flex-Lag® Pulley Lagging is designed to be easily installed and serviced by your on-site personnel. However, if you would prefer complete turn-key factory service, please contact your local Flexco Field Representative.

## Section 2 – Safety Considerations and Precautions

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Before installing and operating Flex-Lag® Pulley Lagging, it is important to review and understand the following safety information.

There are set-up, maintenance and operational activities involving both **stationary** and **operating** conveyors. Each case has a safety protocol.

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### 2.1 Stationary Conveyors

The following activities are performed on stationary conveyors:

- Installation
- Cleaning

#### **DANGER**

It is imperative that OSHA/MSHA Lockout/Tagout (LOTO) regulations, 29 CFR 1910.147, be followed before undertaking the preceding activities. Failure to use LOTO exposes workers to uncontrolled behavior of the products caused by movement of the conveyor belt. Severe injury or death can result.

#### **Before working:**

- Lockout/Tagout the conveyor power source
- Disengage any takeups
- Clear the conveyor belt or clamp securely in place

#### **WARNING**

##### **Use Personal Protective Equipment (PPE):**

- Safety eyewear (splash goggles optional)
- NIOSH-approved air respirator with organic vapor cartridge (if ventilation is not available as recommended in enclosed Safety Data Sheets)
- Hardhat
- Safety footwear
- Nitrile gloves
- Long-sleeve shirt
- Apron (optional)

Close quarters and heavy components create a worksite that compromises a worker's eyes, feet and skull.

PPE must be worn to control the foreseeable hazards associated with conveyor lagging. Serious injuries can be avoided.

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### 2.2 Operating Conveyors

There are two routine tasks that must be performed while the conveyor is running:

- Inspection of performance
- Dynamic troubleshooting

#### **DANGER**

Every belt pulley is an in-running nip hazard. Never touch or prod an operating pulley. Pulley hazards cause instantaneous amputation and entrapment.

#### **WARNING**

Never adjust anything on an operating pulley. Unforeseeable belt projections and tears can cause violent movements. Flailing hardware can cause serious injury or death.

#### **WARNING**

Pulleys can become projectile hazards. Stay as far from the pulley as practical and use safety eyewear and headgear. Missiles can inflict serious injury.

## **Section 3 – Pre-installation Checks and Options**

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### **3.1 Checklist**

- Check that the lagging size is correct for the pulley width
- Check that the correct amount of lagging strips are available to lag the pulley (see Page 8).
- Check that the correct amount of primer, adhesive and activator are available to lag the pulley (see Page 8).
- Check the carton and make sure all the parts are included
- Review the “Tools Needed” list on the top of the installation instructions
- Check the conveyor site:
  - Will the lagging be installed in a chute
  - Is the install on an open head pulley

***Flex-Lag Primer, Adhesive and Activator ONLY for use with  
cold-bond rubber-to-rubber or rubber-to-metal adhesion.***

## Section 4 – Installation Instructions

If using non-Flexco adhesives, please follow that company's instructions for usage, mixing, application and safety procedures.

Flex-Lag Pulley Lagging can be used with Flex-Lag Adhesives. Flex-Lag Adhesives consist of a Primer, Adhesive and Activator. Before using, the Primer should be thoroughly mixed. Before using, one Adhesive and one Activator should be thoroughly mixed and used within two hours. Reference the Adhesive Usage Charts on Page 6 for quantity of each material required based on Pulley Diameter and Face Width.

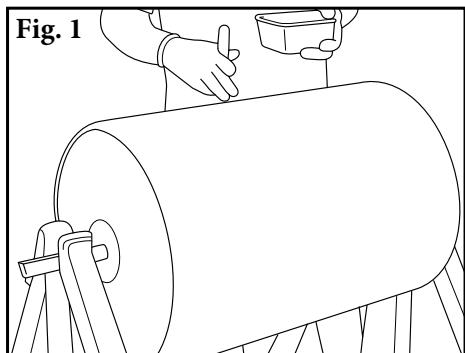
These materials are meant for use at room temperature. The ambient temperature and temperature of the lagging and pulley must be between 50°F–104°F, and the relative humidity should not exceed 80% during the lagging procedure. These should be checked prior to starting and occasionally during the lagging process to ensure proper bonding.

Proper protective equipment should be used during the lagging process. Wear safety glasses with side shields. Wear chemical splash goggles if the possibility exists for eye contact with splashing liquid. Avoid skin contact by wearing chemically-resistant gloves (nitrile) and long sleeved shirt. An apron may be appropriate if splashing can occur. Respiratory protection may be required to avoid overexposure when handling this product. If general room ventilation is not available or sufficient use a NIOSH-approved air purifying respirator with organic vapor cartridge. Please reference the Safety Data Sheets for Adhesive, Activator and Primer to see detailed requirements. Also, please follow any local or state guidelines for use of this product.

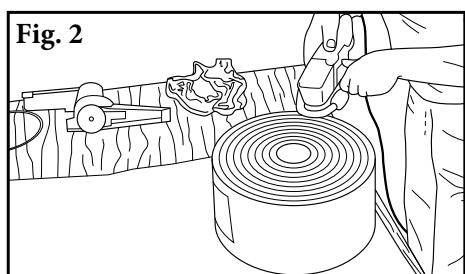
***Physically lock out and tag the conveyor at the power source before you begin pulley lagging installation.***

### Tools Needed:

- Grinder (low RPM recommended)
- 24 Grit Flap Disc
- Bench Brush
- Coarse Dish Wheel
- Paint Brushes
- Heavy Duty Knife
- Chalk Line
- Dead Blow Rubber Hammer
- Lagging Stitchers/Rollers
- Oscillating Tool (for cutting rubber)



1. **Prepare the pulley by removing the old lagging, paint and primer.** Sand blast the entire pulley or use a grinder with 24 grit flap disc or paper disc. Use bench brush and non-oil-based metal solvent to clean remaining particles from the pulley surface. Paint the pulley surface, including the edges, with Flex-Lag Primer. Allow to dry completely – a minimum of 30 minutes.



2. **Use a grinder with coarse dish wheel to buff the edges and bottom of the lagging.** Be careful not to smoke the rubber. Wipe with non-oil-based solvent to clean surface of any particles.

## Section 4 – Installation Instructions (cont.)

3. Use the Strip Selection Chart at right to calculate the number of strips required for your pulley diameter. Using a heavy duty knife, cut lagging strips 100mm longer than the pulley face width. Medium and Full Ceramic lagging come in pre-specified strip lengths. **Note: Do not allow ceramic tiles to sit at, or over, the edge of the pulley face.**

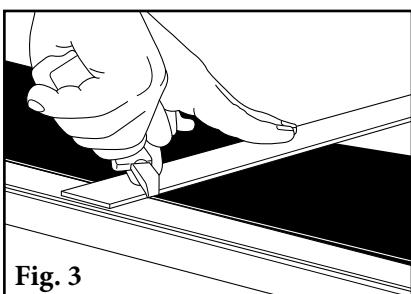


Fig. 3

### Strip Selection

PULLEY DIAMETER	STRIPS REQUIRED	PULLEY DIAMETER		STRIPS REQUIRED
		mm	in.	
320-381	6	1083-1145	42.6-45.0	18
382-445	7	1146-1210	45.1-47.5	19
446-510	8	1211-1273	47.6-50.1	20
511-573	9	1274-1336	50.2-52.6	21
574-636	10	1337-1400	52.7-55.1	22
637-700	11	1403-1463	55.2-57.6	23
701-764	12	1466-1527	57.7-60.1	24
765-827	13	1529-1590	60.2-62.6	25
828-891	14	1593-1654	62.7-65.1	26
892-955	15	1656-1717	65.2-67.6	27
956-1018	16	1720-1781	67.7-70.1	28
1019-1082	17	1783-1844	70.2-72.6	29

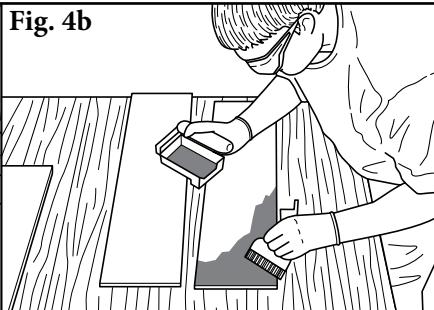
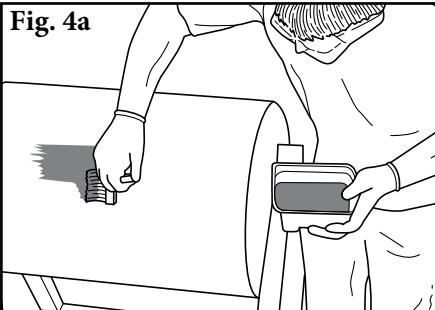
### FLEX-LAG® ADHESIVE 0.8L (27.0 oz.) / ACTIVATOR 40g (1.4 oz.) (1:1 mix ratio)

Pulley Diameter		Face Width																						
		mm.		254	356	457	559	660	762	864	965	1067	1168	1270	1372	1473	1575	1676	1778	1880	1981	2083	2184	2286
		in.		10	14	18	22	26	30	34	38	42	46	50	54	58	62	66	70	74	78	82	86	90
203	8	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	
305	12	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4	
406	16	1	1	1	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	5	5	5	
508	20	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4	4	5	5	5	6	6	6	
610	24	1	2	2	2	2	3	3	3	4	4	4	4	5	5	5	5	5	6	6	6	7	7	
711	28	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	
813	32	2	2	2	3	3	4	4	4	5	5	5	6	6	6	7	7	8	8	8	9	9	10	
914	36	2	2	3	3	3	4	4	4	5	5	6	6	7	7	8	8	8	9	9	10	10	11	
1016	40	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	
1118	44	2	2	3	4	4	5	5	6	6	7	7	8	9	9	10	10	11	11	12	12	13	13	
1219	48	2	3	3	4	4	5	5	6	7	7	8	9	9	10	10	11	11	12	12	13	13	14	
1321	52	2	3	3	4	4	5	5	6	7	7	8	9	9	10	11	11	12	13	13	14	15	15	
1422	56	2	3	4	4	5	6	6	7	8	9	9	10	11	11	12	13	14	14	15	16	16	16	
1524	60	2	3	4	5	5	6	7	8	8	9	10	11	11	12	13	14	14	15	16	17	17	17	

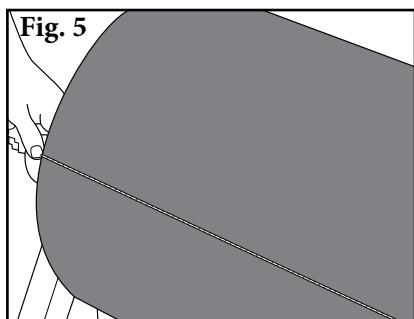
### FLEX-LAG® PRIMER .75L (25.4 oz.)

Pulley Diameter		Face Width																						
		mm.		254	356	457	559	660	762	864	965	1067	1168	1270	1372	1473	1575	1676	1778	1880	1981	2083	2184	2286
		in.		10	14	18	22	26	30	34	38	42	46	50	54	58	62	66	70	74	78	82	86	90
203	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
305	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
406	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
508	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
610	24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
711	28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
813	32	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
914	36	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
1016	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	
1118	44	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	
1219	48	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	
1321	52	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	
1422	56	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	
1524	60	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	

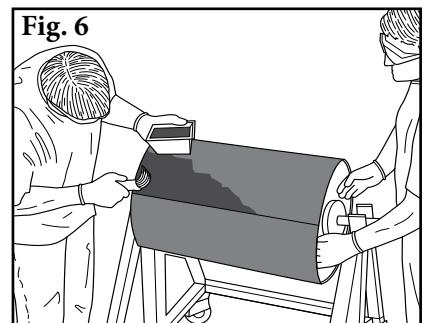
## Section 4 – Installation Instructions (cont.)



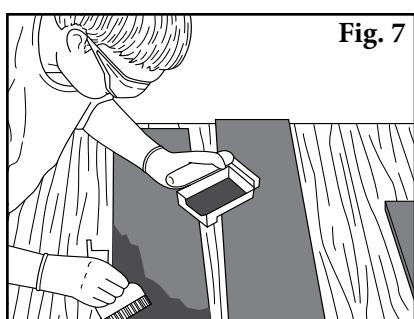
4. **Apply first coat of adhesive.** Thoroughly mix one can of adhesive and one activator at a time, immediately applying it to the pulley and strips of lagging using a circular scrubbing motion. Be sure to apply adhesive to the edges of the lagging as well. This process should use half of the adhesive/activator required in the chart on Page 6.  
**Note: Allow 4 hours for the first coat to properly cure. Temperature and humidity will affect dry time.**



5. **After the first coat of adhesive has dried completely, mark a line across the pulley face using a chalk line or scribe,** ensuring the line is parallel to the shaft's centerline and square to the edge of the pulley.

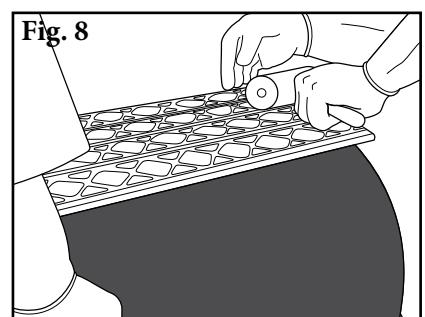


6. **Apply second coat of adhesive to the pulley.** Thoroughly mix one can of adhesive and activator at a time. From the perpendicular line, apply the second coat of adhesive to an area slightly greater than one strip of lagging.



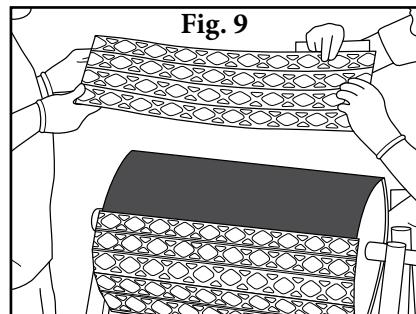
7. **Apply a second coat of adhesive to one strip of lagging.** Be sure to apply adhesive to the edges of the lagging as well.

8. **After the second coat has reached the appropriate tackiness** (approximately 2-5 minutes, touch with back of hand – feels tacky and leaves no adhesive on hand) install one strip of lagging, using the perpendicular line to assure the strip is square to the pulley. Working out from the center of the strip, use a dead blow rubber hammer for tamping to remove the air gaps, ensuring all surface area receives one hammer blow. Repeat this process with Lagging Stitchers/Rollers to remove air gaps from drainage grooves. Be sure to check edges to verify seal.



## Section 4 – Installation Instructions (cont.)

9. Repeat Steps 6 and 7, then place the second strip of lagging against the first, taking care to ensure there are no gaps between the lagging. This may require additional stitching between strips to remove any gaps. Repeat the tamping and stitching process in Step 8 to remove air gaps from the applied strip. Shift lagging side-to-side to align diamond/ceramic patterns.



10. Trim the excess lagging from applied strips at the edge of the pulley using a heavy duty knife or oscillating tool. Trim lagging at an angle up and away from the pulley edge.

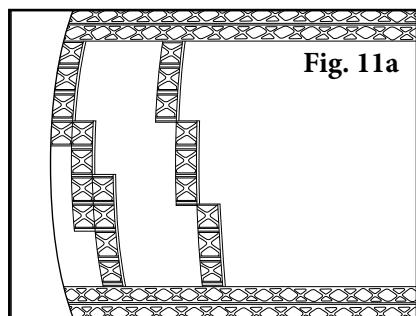
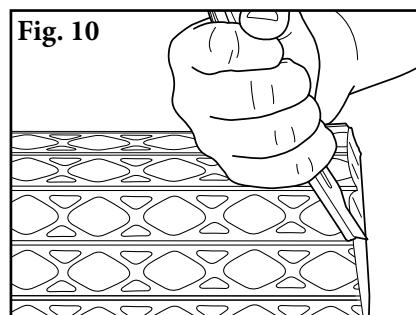


Fig. 11a

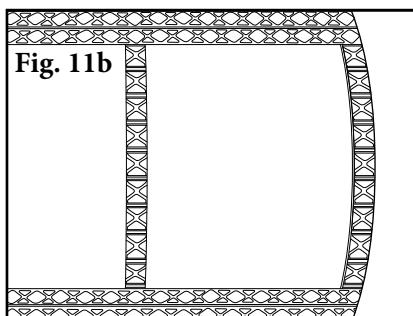
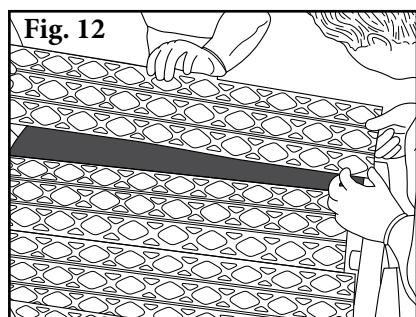
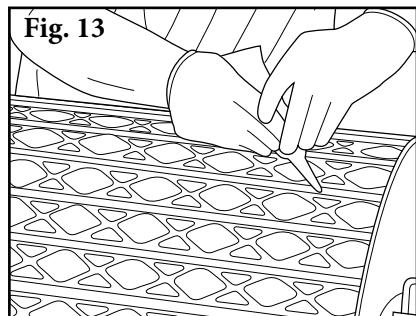


Fig. 11b

11. To apply the last 3-4 strips, position cut-off pieces of lagging from Step 10 in the unlagged portion of the pulley. Manipulate the pieces to determine trim requirements for the last few strips. Trim the pieces in the gutters to find the proper fit. Use the pieces as templates to trim the last few strips of lagging. **Note: Final strips should not consist of less than three rows.**



12. Follow Steps 6 through 10 to install the last 3-4 strips. The final piece of lagging (largest of final pieces) should drop into position. Check the fit of the last piece prior to applying the second coat of adhesive.



13. Fill any gaps between the lagging strips with rubber sealer. Also use the buffing wheel on trimmed edge of lagging and apply final coat of adhesive to seal the edge and joint area between lagging strips.

**Note: Allow minimum of 24 hours of curing time before putting newly lagged pulley into use.**

## **Section 5 – Pre-Operation Checklist and Testing**

---

### **5.1 Pre-Op Checklist**

- Be sure that all installation materials and tools have been removed from the belt and the conveyor area.

### **5.2 Test Run the Conveyor**

- Run the conveyor for at least 15 minutes and inspect the lagging performance.

**NOTE:** Observing the pulley lagging when it is running and performing properly will help to detect problems.

# **Section 6 – Maintenance**

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Flexco lagging is designed to operate with minimum maintenance. However, to maintain superior performance some service is required. This service will ensure that the cleaner operates at optimal efficiency and problems can be identified and fixed before the lagging stops working.

All safety procedures for inspection of equipment (stationary or operating) must be observed. Flex-Lag Pulley Lagging operates at the discharge end of the conveyor and is in direct contact with the moving belt. Only visual observations can be made while the belt is running. Service tasks can be done only with the conveyor stopped and by observing the correct lockout/tagout procedures.

## **6.1 New Installation Inspection**

After the new lagging has run for a few days a visual inspection should be made to ensure the lagging is performing properly.

## **6.2 Routine Visual Inspection (every 6-8 weeks)**

A visual inspection of the lagging and belt can determine:

- If there is damage to the lagging.
- If fugitive material is built up on the lagging.
- If there is damage to the belt.

If any of the above conditions exist, a determination should be made on when the conveyor can be stopped for additional maintenance.

## **6.3 Routine Physical Inspection (every 3-4 months)**

When the conveyor is not in operation and properly locked and tagged out, conduct a physical inspection of the lagging to perform the following tasks:

- Clean material buildup off of the lagging.
- Closely inspect the lagging for wear and any damage.
- Ensure full lagging to belt contact.
- Inspect the belt for damage.
- Replace any worn or damaged components.
- When maintenance tasks are completed, test run the conveyor to ensure the lagging is performing properly.

## **Section 6 – Maintenance (cont.)**

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### **6.4 Maintenance Log**

Conveyor Name/No. \_\_\_\_\_

Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_ Work done by: \_\_\_\_\_ Service Quote #: \_\_\_\_\_

Activity: \_\_\_\_\_  
\_\_\_\_\_

## Section 6 – Maintenance (cont.)

### 6.6 Lagging Maintenance Checklist

Site: \_\_\_\_\_ Inspected by: \_\_\_\_\_ Date: \_\_\_\_\_

Lagging: \_\_\_\_\_

#### Beltline Information:

Beltline Number: \_\_\_\_\_ Belt Condition: \_\_\_\_\_

Belt       450mm  600mm  750mm  900mm  1050mm  1200mm  1350mm  1500mm  1800mm  
Width:    (18")    (24")    (30")    (36")    (42")    (48")    (54")    (60")    (72")

Head Pulley Diameter (*Belt & Lagging*): \_\_\_\_\_ Belt Speed: \_\_\_\_\_ fpm or m/s Belt Thickness: \_\_\_\_\_

Belt Splice: \_\_\_\_\_ Condition of Splice: \_\_\_\_\_ Number of Splices: \_\_\_\_\_  Skived  Unskived

Material conveyed: \_\_\_\_\_

Days per week run: \_\_\_\_\_ Hours per day run: \_\_\_\_\_

#### Lagging Life:

Date installed: \_\_\_\_\_ Date inspected: \_\_\_\_\_ Estimated life: \_\_\_\_\_

Lagging Thickness: \_\_\_\_\_

**Lagging:**       Side Lag       Ceramic       Rubber       Other       None

Condition of lagging:       Good       Bad       Other \_\_\_\_\_

**Cleaner's Overall Performance:**      (Rate the following 1 - 5, 1 = very poor - 5 = very good)

Appearance:            Comments: \_\_\_\_\_

Location:            Comments: \_\_\_\_\_

Maintenance:            Comments: \_\_\_\_\_

Performance:            Comments: \_\_\_\_\_

**Other comments:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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## Section 7 – Troubleshooting

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Problem	Possible Cause	Possible Solutions
Uneven wear in rubber lagging	Belt Tension	Change to ceramic lagging
	Short Transition	Increase distance to full trough idler
	Wrong Lagging for Application	Increase thickness or change to ceramic lagging
Delaminating	Glue too wet or dry when applied	Refer to instructions on p. 5-8 for proper installation instructions
	Pulley surface not prepped correctly	Refer to instructions on p. 5-8 for proper installation instructions

For additional troubleshooting questions, please contact Customer Service or your territory manager.

## Section 8 – Specifications and CAD Drawings

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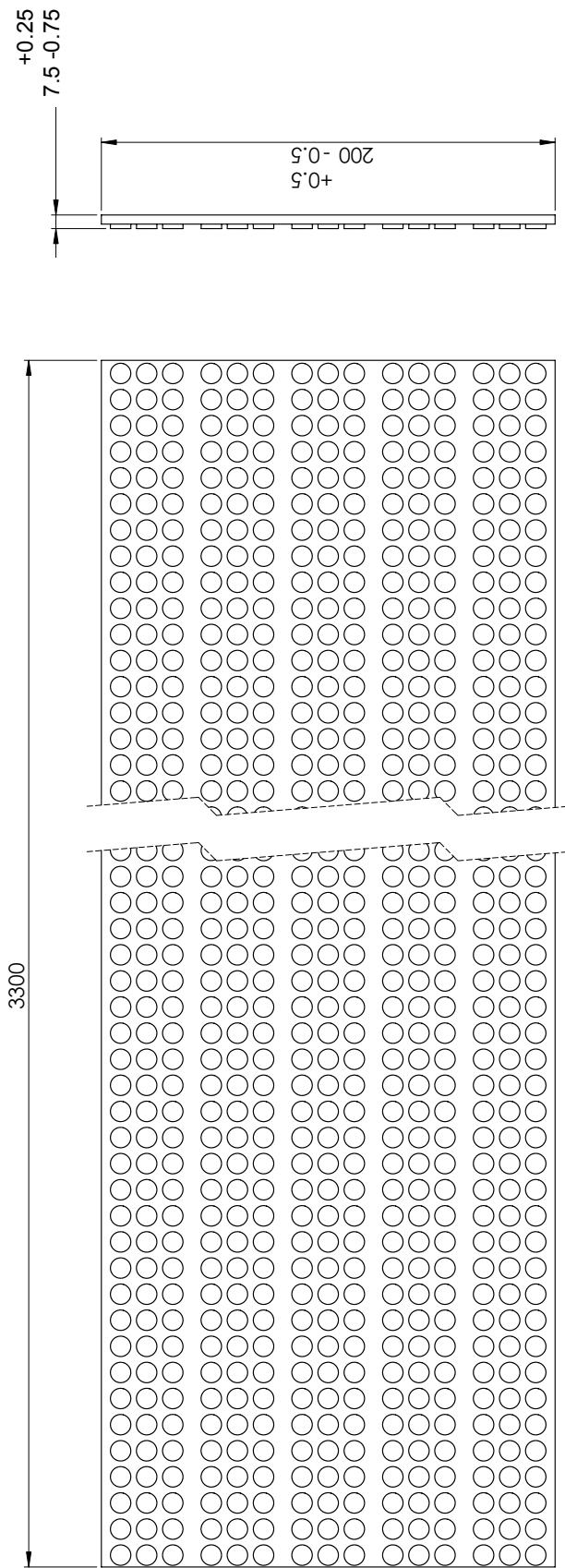
### 8.1 Specifications

Criteria	Flex-Lag® Rubber			Flex-Lag® Ceramic			Flex-Lag® Weld-On™	
	Light Duty	Plain	Diamond	13% Coverage	39% Coverage	80% Coverage	Rubber Diamond	Ceramic 74% Coverage
<b>Total Thickness*</b>	7.5 mm (19/64")	10 – 25 mm (13/32" – 1")	10 – 25 mm (13/32" – 1")	12 mm (15/32")	15 mm (5/8")	13 mm (1/2")	14 mm (9/16")	15 mm (5/8")
<b>Belt Width*</b>	Any Width	Any Width	Any Width	Any Width	450 – 2100 mm (18" – 84")	450 – 2100 mm (18" – 84")	450 – 1800 mm (18" – 72")	450 – 1800 mm (18" – 72")
<b>Minimum Pulley Diameter</b>	300mm (12")	400mm (16")	400mm (16")					
<b>Dry Performance</b>	Very Good	Excellent						
<b>Wet Performance</b>	Average	Average	Good	Very Good	Excellent	Excellent	Good	Excellent
<b>Wear Life</b>	Good	Very Good	Very Good	Excellent	Excellent	Excellent	Very Good	Excellent
<b>Ease of Installation</b>	Good	Good	Good	Good	Good	Good	Excellent	Excellent
<b>Drainage Grooves</b>	No	Yes						
<b>FRAS (Fire Resistant Anti Static)</b>	No	Yes						
<b>Compound</b>	SBR							
<b>Hardness (Shore A)</b>	68 +/-3	68 +/-3	68 +/-3	68 +/-3	68 +/-3	68 +/-3	68 +/-3	68 +/-3
<b>Operating Temperature</b>	-15° – 85° C (5° – 185° F)							

\*Additional thicknesses and widths available as special orders. For weld-on lagging, this includes the steel backing plate.

## Section 8 – Specifications and CAD Drawings (cont.)

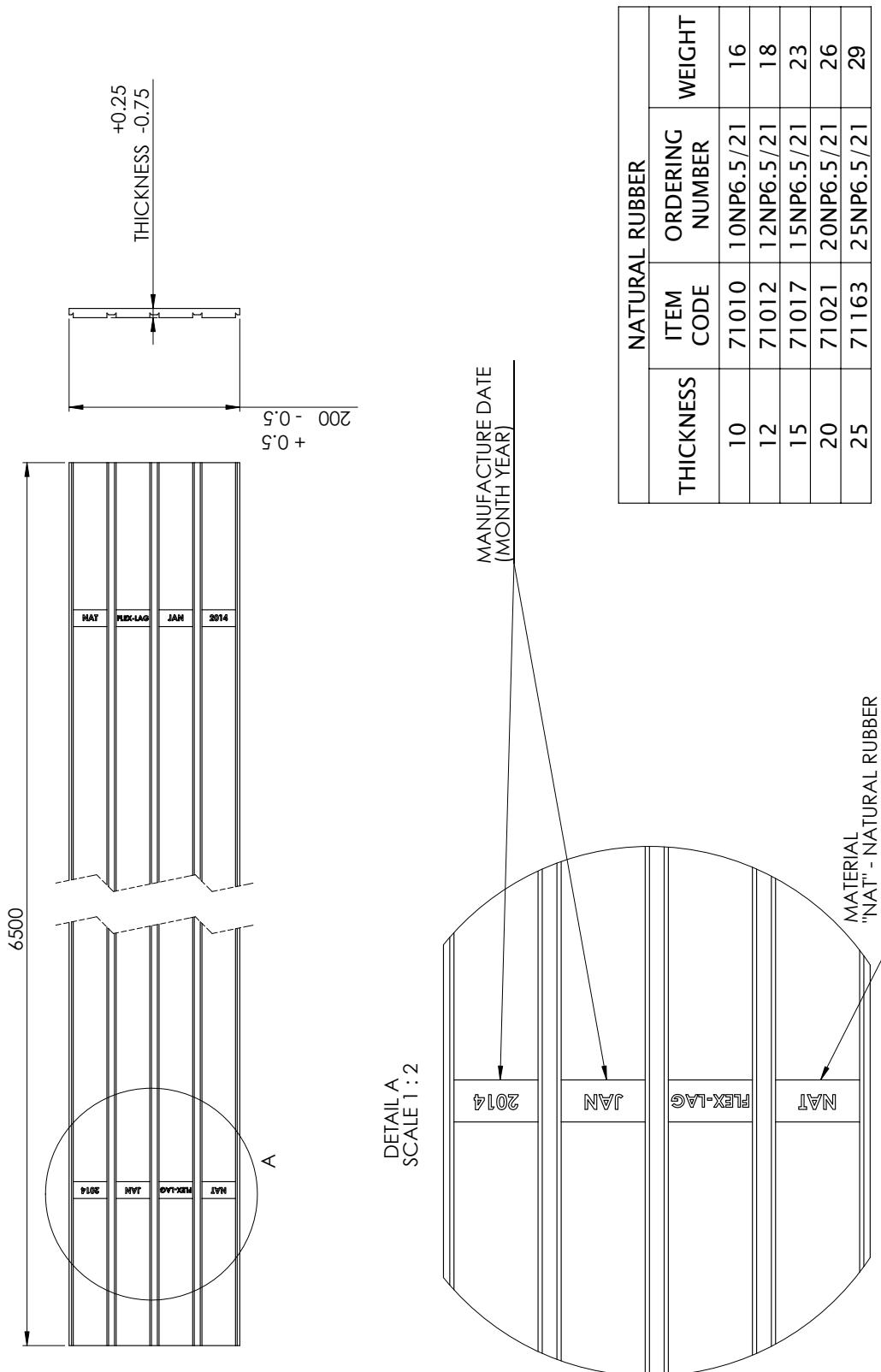
### 8.2 Lagging - Light Duty Rubber



DESCRIPTION	ORDERING NUMBER	ITEM CODE
WHITE NITRILE RUBBER	7.5WLD3.3/11	71076
BLACK NATURAL RUBBER	7.5NLD3.3/11	71077

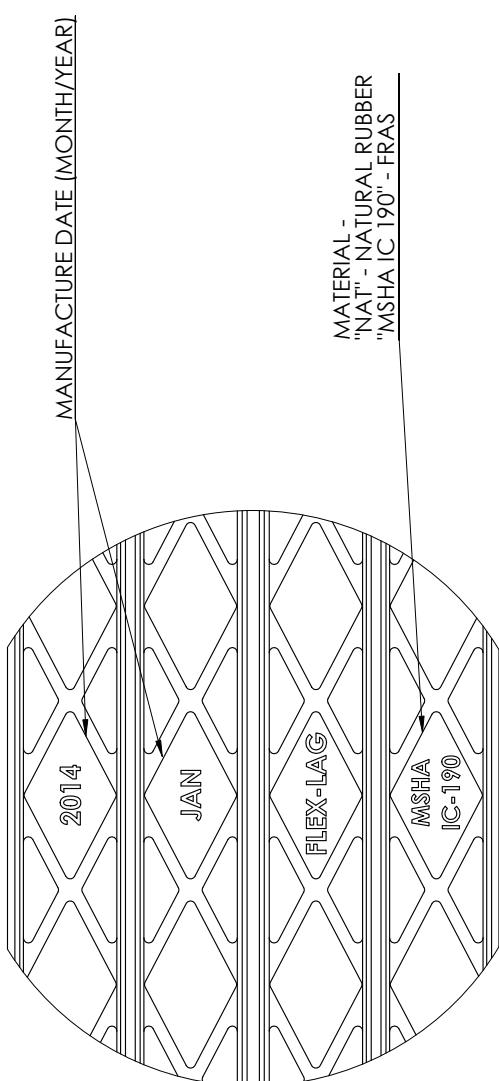
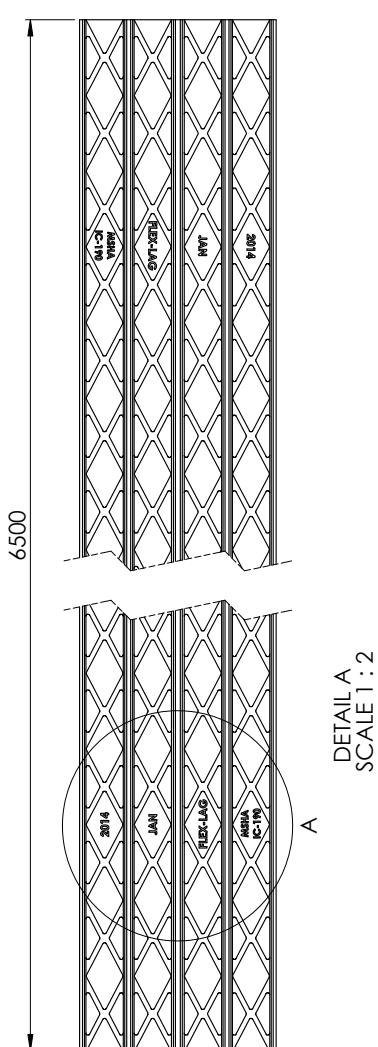
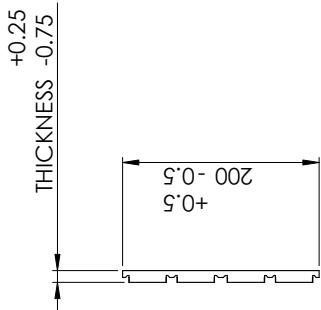
## Section 8 – Specifications and CAD Drawings (cont.)

### 8.3 Lagging - Plain Rubber



## Section 8 – Specifications and CAD Drawings (cont.)

### 8.4 Lagging - Diamond-Pattern Rubber

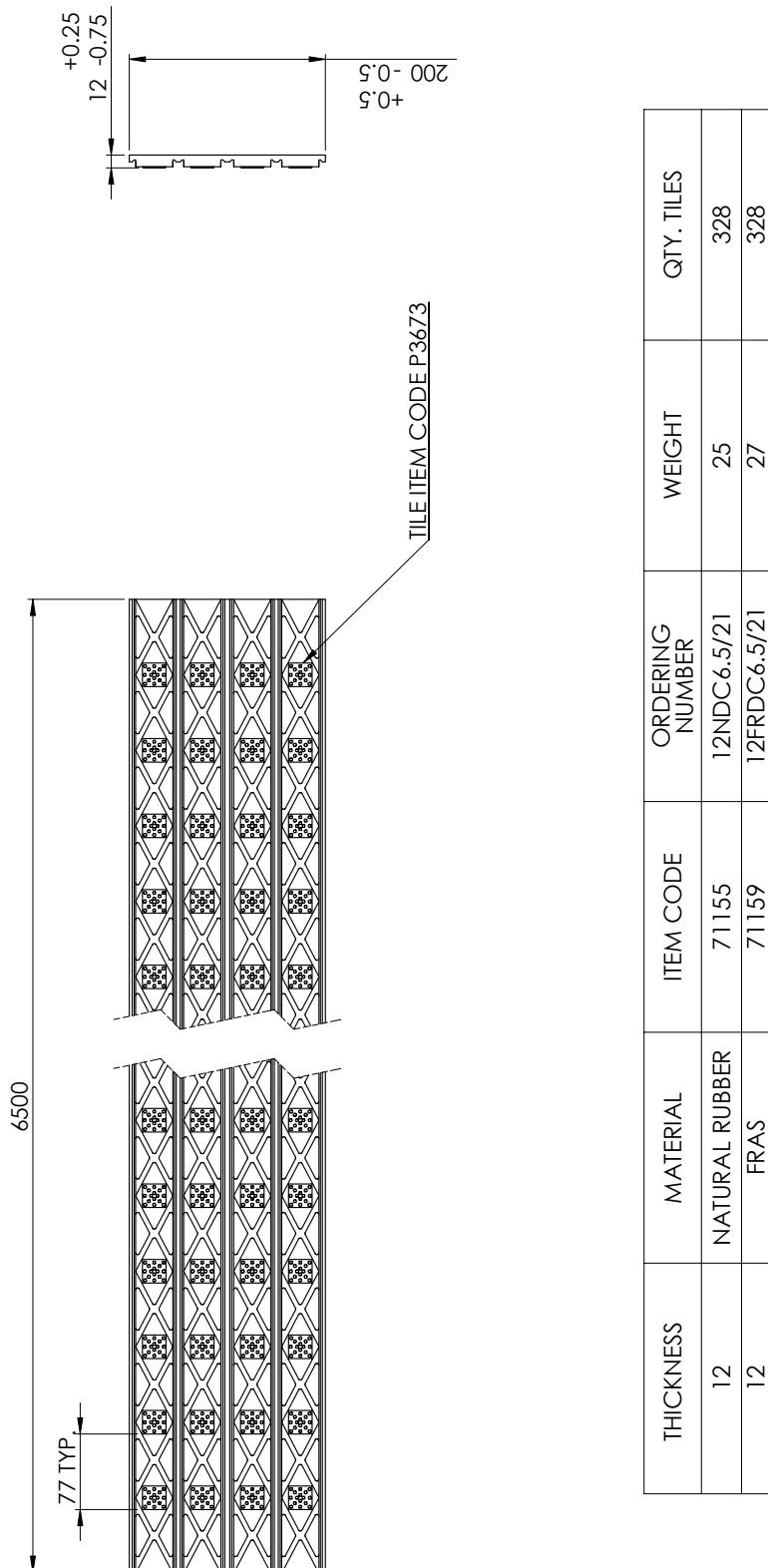


FRAS RUBBER			
THICKNESS	ITEM CODE	ORDERING NUMBER	WEIGHT
10	71002	10ND6.5/21	13
12	71004	12ND6.5/21	17
15	71006	15ND6.5/21	22
20	71008	20ND6.5/21	24
25	71152	25ND6.5/21	27

NATURAL RUBBER			
THICKNESS	ITEM CODE	ORDERING NUMBER	WEIGHT
10	71014	10FRD6.5/21	14.5
12	71016	12FRD6.5/21	18
15	71018	15FRD6.5/21	24
20	71019	20FRD6.5/21	27

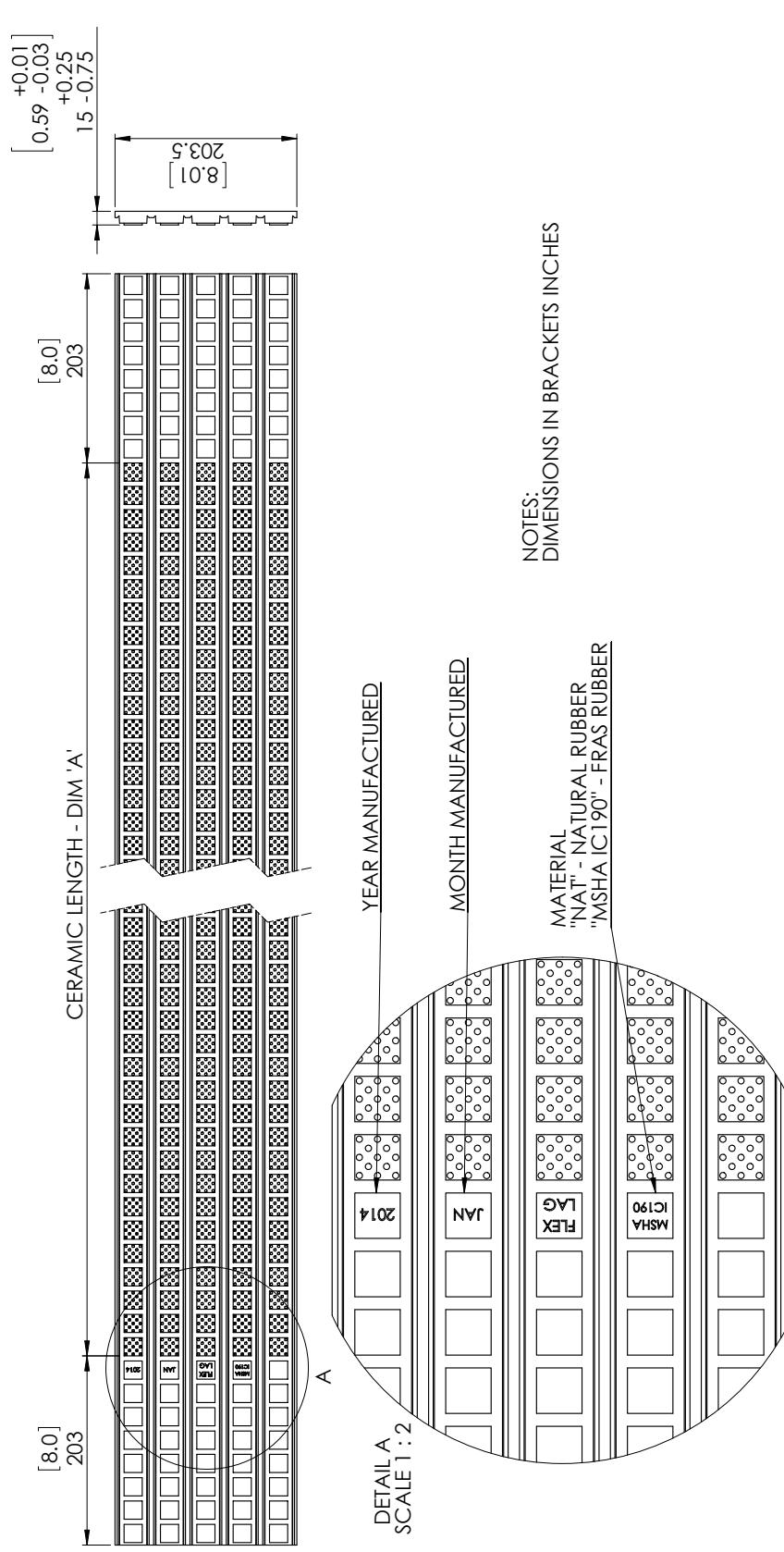
## Section 8 – Specifications and CAD Drawings (cont.)

### 8.5 Lagging - Diamond Ceramic



## Section 8 – Specifications and CAD Drawings (cont.)

### 8.6 Lagging - Medium Ceramic, Dimpled Tiles, Natural and FRAS



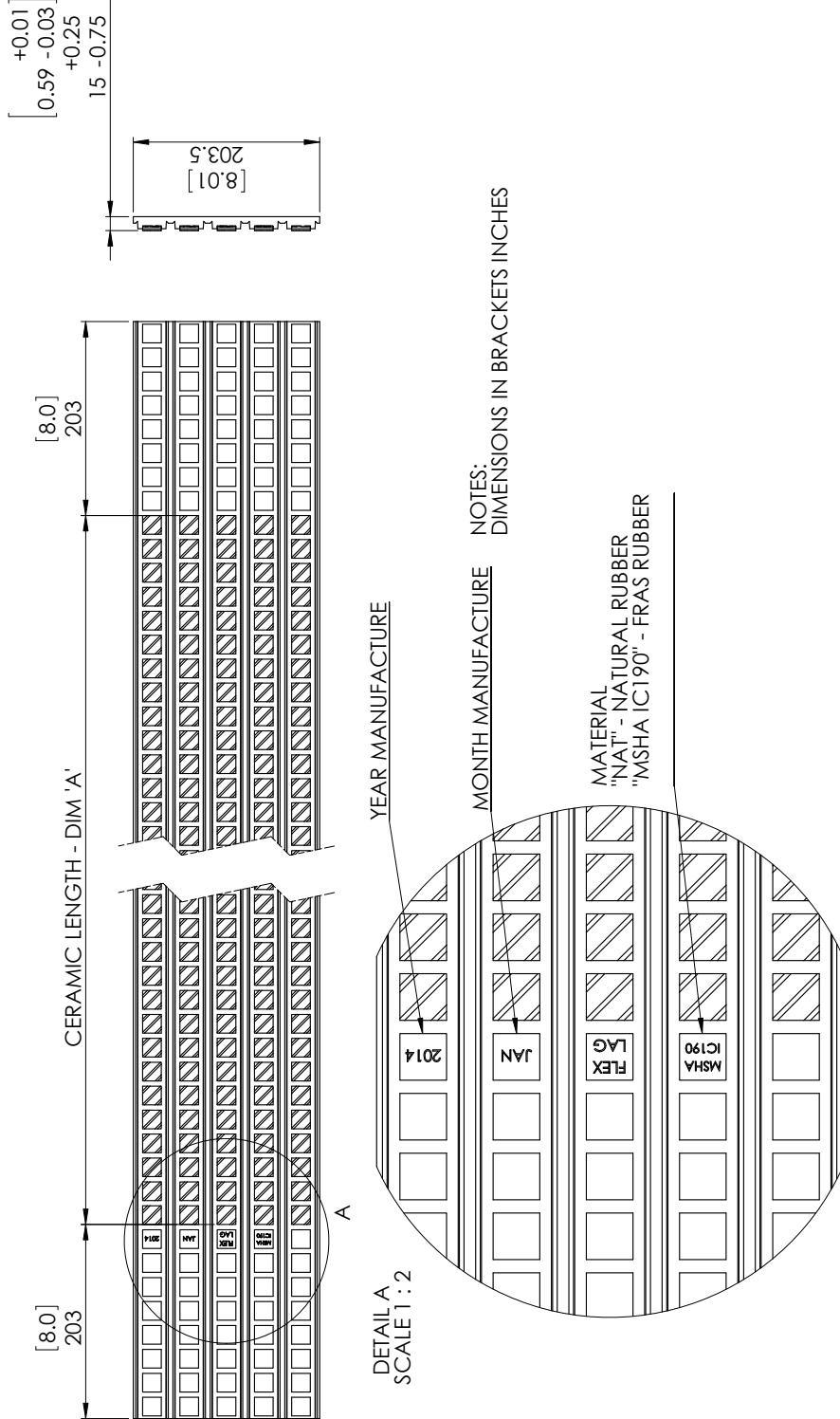
39% FRAS LAGGING					
BELT WIDTH	ITEM CODE	DIM 'A'	CERAMIC TILES PER PIECE	TOTAL LENGTH	ORDERING NUMBER
[18"] 450mm	61294	18.67"	474mm	95	872.44 CLMN450/18-15
[24"] 600mm	61295	24.63"	626mm	125	1026.40 CLMF600/24-15
[30"] 750mm	61296	30.67"	779mm	155	1180.36 CLMF750/30-15
[36"] 900mm	61297	36.66"	931mm	185	1334.32 CLMF900/36-15
[42"] 1050mm	61298	42.61"	1082mm	215	1488.28 CLMF1050/42-15
[48"] 1200mm	61299	48.64"	1235mm	245	1642.24 CLMF1200/48-15
[54"] 1350mm	61300	54.64"	1388mm	275	1796.20 CLMF1350/54-15
[60"] 1500mm	61301	60.66"	1541mm	305	1950.16 CLMF1500/60-15
[72"] 1800mm	61302	72.52"	1842mm	365	2258.08 CLMF1800/72-15
[84"] 2100mm	61303	84.86"	2155mm	425	2566.00 CLMF2100/84-15
[21] 6500mm	62216	252"	6500mm	1320	6500mm CLMF6.5/21-15

39% LAGGING					
BELT WIDTH	ITEM CODE	DIM 'A'	CERAMIC TILES PER PIECE	TOTAL LENGTH	ORDERING NUMBER
[18"] 450mm	61294	18.67"	474mm	95	872.44 CLMF450/18-15
[24"] 600mm	61295	24.63"	626mm	125	1026.40 CLMF600/24-15
[30"] 750mm	61296	30.67"	779mm	155	1180.36 CLMF750/30-15
[36"] 900mm	61297	36.66"	931mm	185	1334.32 CLMF900/36-15
[42"] 1050mm	61298	42.61"	1082mm	215	1488.28 CLMF1050/42-15
[48"] 1200mm	61299	48.64"	1235mm	245	1642.24 CLMF1200/48-15
[54"] 1350mm	61300	54.64"	1388mm	275	1796.20 CLMF1350/54-15
[60"] 1500mm	61301	60.66"	1541mm	305	1950.16 CLMF1500/60-15
[72"] 1800mm	61302	72.52"	1842mm	365	2258.08 CLMF1800/72-15
[84"] 2100mm	61303	84.86"	2155mm	425	2566.00 CLMF2100/84-15
[21] 6500mm	61319	252"	6500mm	1320	6500mm CLMF6.5/21-15

## Section 8 – Specifications and CAD Drawings (cont.)

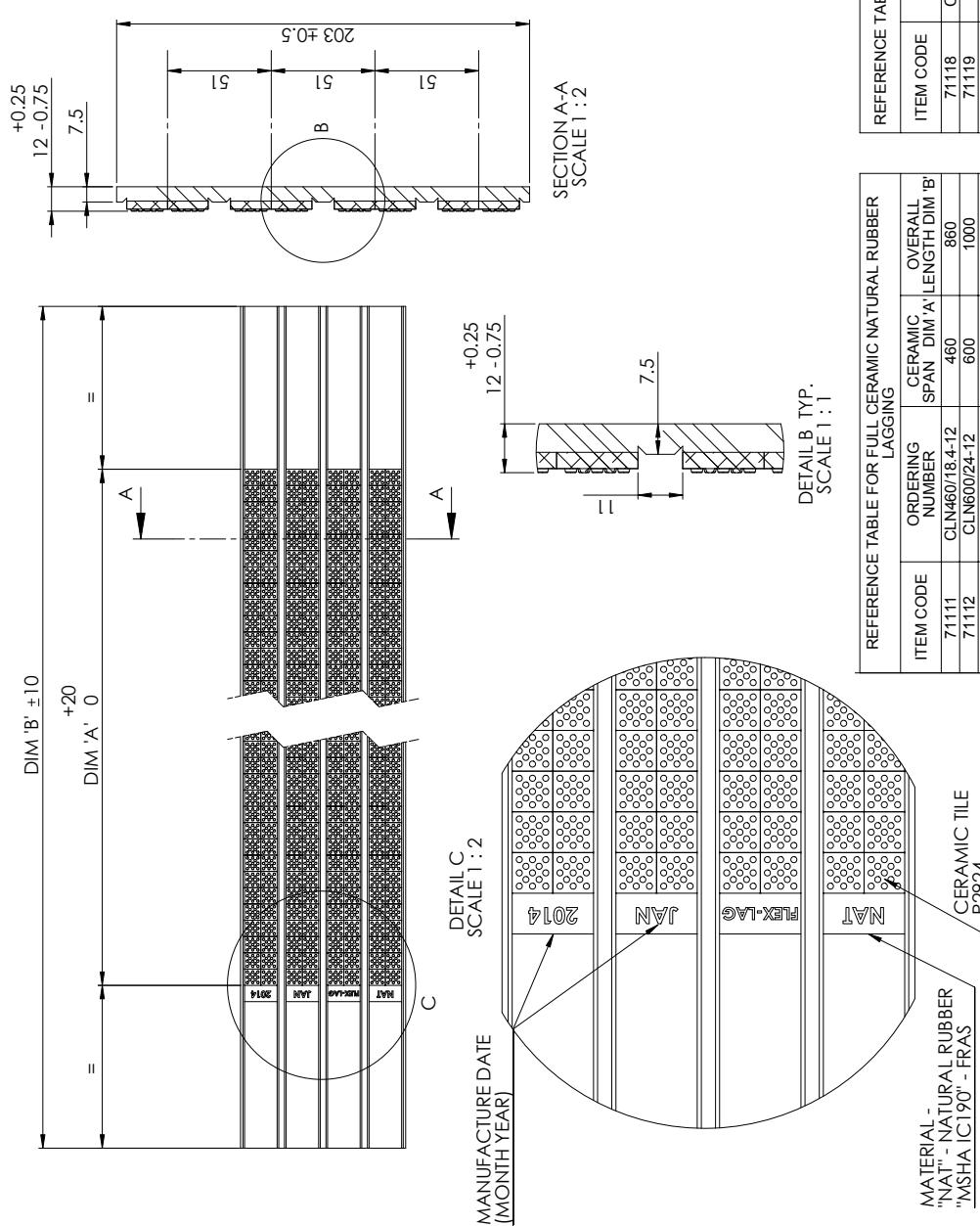
### 8.7 Lagging - Medium Ceramic, Smooth Tiles, Natural and FRAS



39% LAGGING						39% FRAS LAGGING					
BELT WIDTH	ITEM CODE	DIM 'A'	CERAMIC TILES PER PIECE	TOTAL LENGTH	ORDERING NUMBER	BELT WIDTH	ITEM CODE	DIM 'A'	CERAMIC TILES PER PIECE	TOTAL LENGTH	ORDERING NUMBER
[18"] 450mm	62052	18.67"	474mm	95	872.44	[18"] 450mm	62063	18.67"	474mm	95	872.44
[24"] 600mm	62053	24.63"	626mm	125	1026.40	[24"] 600mm	62064	24.63"	626mm	125	1026.40
[30"] 750mm	62054	30.67"	779mm	155	1180.36	[30"] 750mm	62065	30.67"	779mm	155	1180.36
[36"] 900mm	62055	36.66"	931mm	185	1334.32	[36"] 900mm	62066	36.66"	931mm	185	1334.32
[42"] 1050mm	62056	42.61"	1082mm	215	1488.28	[42"] 1050mm	62067	42.61"	1082mm	215	1488.28
[48"] 1200mm	62057	48.64"	1235mm	245	1642.24	[48"] 1200mm	62068	48.64"	1235mm	245	1642.24
[54"] 1350mm	62058	54.64"	1388mm	275	1796.20	[54"] 1350mm	62069	54.64"	1388mm	275	1796.20
[60"] 1500mm	62059	60.66"	1541mm	305	1950.16	[60"] 1500mm	62070	60.66"	1541mm	305	1950.16
[72"] 1800mm	62060	72.52"	1842mm	365	2258.08	[72"] 1800mm	62071	72.52"	1842mm	365	2258.08
[84"] 2100mm	62061	84.86"	2155mm	425	2566.00	[84"] 2100mm	62072	84.86"	2155mm	425	2566.00

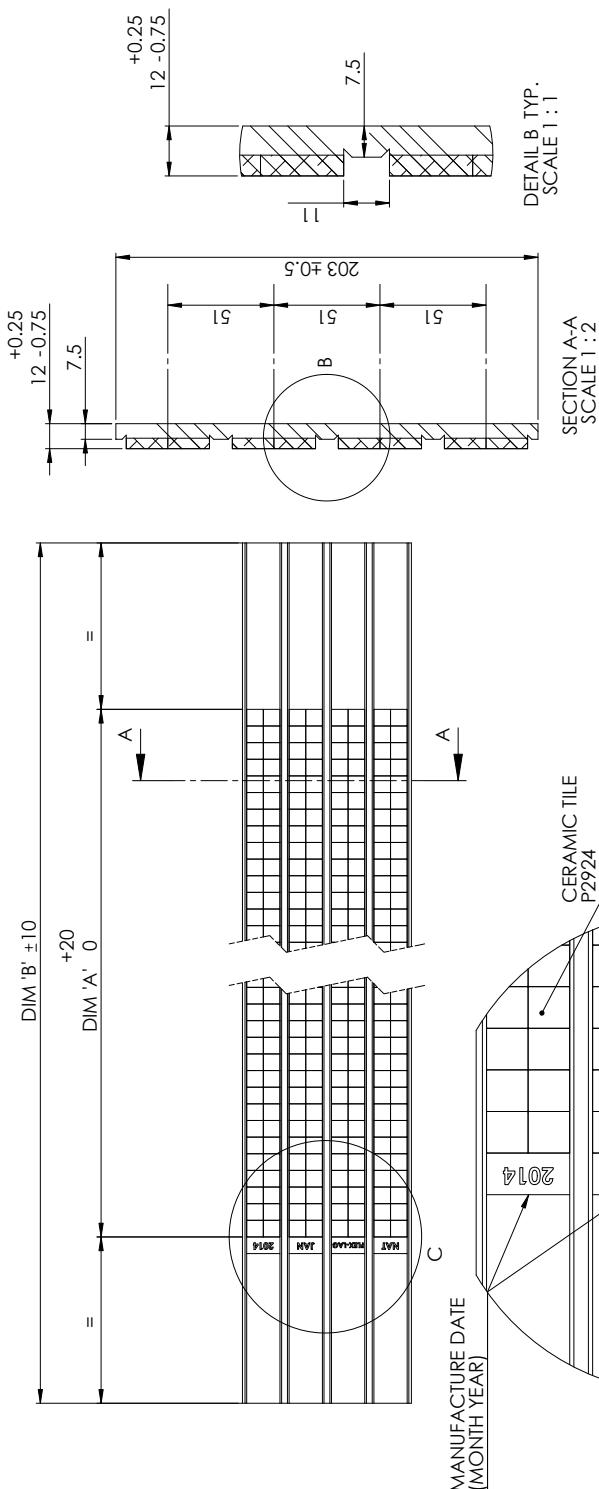
## Section 8 – Specifications and CAD Drawings (cont.)

### 8.8 Lagging - Full Ceramic, Dimpled Tiles, Natural and FRAS



## Section 8 – Specifications and CAD Drawings (cont.)

### 8.9 Lagging - Full Ceramic, Smooth Tiles, Natural and FRAS



REFERENCE TABLE FOR FULL CERAMIC FRAS COMPOUND LAGGING				
ITEM CODE	ORDERING NUMBER	CERAMIC SPAN DIM 'A'	CERAMIC SPAN DIM 'A'	OVERALL LENGTH DIM 'B'
79383	CLN460/184-125	460	860	460
79384	CLN600/24-125	600	1000	600
79385	CLN760/304-125	760	1160	760
79386	CLN800/32-125	800	1200	800
79387	CLN900/36-125	900	1300	900
79388	CLN1060/424-125	1060	1500	1060
79389	CLN1200/48-125	1200	1600	1200
79390	CLN1360/544-125	1360	1800	1360
79391	CLN1400/56-125	1400	1900	1400
79392	CLN1520/608-125	1520	2000	1520
79393	CLN1600/64-125	1600	2100	1600
79394	CLN1700/68-125	1700	2200	1700
79395	CLN1800/72-125	1800	2300	1800
79396	CLN1900/76-125	1900	2400	1900
79397	CLN2000/80-125	2000	2500	2000
79398	CLN2100/84-125	2100	2600	2100
79399	CLN2200/88-125	2200	2700	2200
79400	CLN2300/92-125	2300	2800	2300
79401	CLN2400/96-125	2400	2900	2400
79402	CLN2500/100-125	2500	3000	2500
79403	CLN2600/104-125	2600	3000	2600
79404	CLN2800/112-125	2800	3300	2800
79405	CLN3000/120-125	3000	3300	3000

## Section 9 – Lagging Adhesives and Toolbox

### Flex-Lag® Adhesive/Activator/Primer

ORDERING NUMBER	DESCRIPTION	ITEM CODE	WEIGHT
FL-ADH-0.8	Adhesive	75017	0.8L
FL-ACT	Activator	70186	40g
FL-PR-0.75	Primer	70189	0.75L



Each Flex-Lag Adhesive is mixed with one Flex-Lag Activator. Refer to the usage chart below to calculate the number of cans required for your pulley. For sizes not included in the chart please contact Flexco Customer Service for assistance.

### FLEX-LAG® ADHESIVE 0.8L (27.0 oz.) / ACTIVATOR 40g (1.4 oz.) (1:1 mix ratio)

Pulley Diameter			Face Width																				
			254	356	457	559	660	762	864	965	1067	1168	1270	1372	1473	1575	1676	1778	1880	1981	2083	2184	2286
	mm.	in.	10	14	18	22	26	30	34	38	42	46	50	54	58	62	66	70	74	78	82	86	90
203	8	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3
305	12	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	4	4	4
406	16	1	1	1	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	4	5	5	5
508	20	1	1	2	2	2	2	3	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6
610	24	1	2	2	2	2	3	3	3	4	4	4	4	5	5	5	5	5	6	6	7	7	7
711	28	1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6	7	7	8	8	8	8
813	32	2	2	2	3	3	3	4	4	4	5	5	6	6	6	7	7	8	8	9	9	9	10
914	36	2	2	3	3	3	4	4	4	5	5	6	6	7	7	8	8	8	9	9	10	10	11
1016	40	2	2	3	3	4	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12
1118	44	2	2	3	4	4	5	5	6	6	7	7	8	9	9	10	10	11	11	12	12	13	13
1219	48	2	3	3	4	4	5	6	6	7	7	8	9	9	10	10	11	12	12	13	13	14	14
1321	52	2	3	3	4	5	5	6	7	7	8	9	9	10	11	11	12	13	13	14	15	15	15
1422	56	2	3	4	4	5	6	6	7	8	9	9	10	11	11	12	13	14	14	15	16	16	16
1524	60	2	3	4	5	5	6	7	8	8	9	10	11	11	12	13	14	14	15	16	17	17	17

### FLEX-LAG® PRIMER .75L (25.4 oz.)

Pulley Diameter			Face Width																				
			254	356	457	559	660	762	864	965	1067	1168	1270	1372	1473	1575	1676	1778	1880	1981	2083	2184	2286
	mm.	in.	10	14	18	22	26	30	34	38	42	46	50	54	58	62	66	70	74	78	82	86	90
203	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
305	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
406	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
508	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
610	24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
711	28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
813	32	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
914	36	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1016	40	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
1118	44	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2
1219	48	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
1321	52	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
1422	56	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
1524	60	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2

### Flex-Lag® Toolbox

ORDERING NUMBER	DESCRIPTION	ITEM CODE	WT. Kg.
LAGGING-TB	with Power Tools	79080	15.0
LAGGING-TB2	without Power Tools	79099	9.0

#### Both Include:

- 25-ft measuring tape
- BCP location tool
- Chalk line
- Paint brushes (3)
- Lagging stitchers (3)
- White paint marker
- HD knife and replacement blades
- Bench brush
- Deadblow hammer

#### LAGGING-TB Also Includes:

- Air hammer kit
- 24-grit flap disc
- Rubber buffering disc
- Grinder
- Metal grinding disc
- Oscillating tool and accessories







## Section 10 – Other Flexco Conveyor Products

Flexco provides many conveyor products that help your conveyors to run more efficiently and safely. These components solve typical conveyor problems and improve productivity. Here is a quick overview on just a few of them:

### MSP Precleaner



- Patented ConShear™ blade renews its cleaning edge as it wears
- Visual Tension Check™ for optimal blade tensioning and simple retensioning
- Quick and easy one-pin blade replacement Material Path Option™ for optimal cleaning and reduced maintenance

### DRX Impact Beds



- Exclusive Velocity Reduction Technology™ to better protect the belt
- Slide-Out Service™ gives direct access to all impact bars for change-out
- Impact bar supports for longer bar life
- 4 models to custom fit to the application

### EZS2 Secondary Cleaner



- Long-wearing tungsten carbide blades for superior cleaning efficiency
- Patented FormFlex™ cushions independently tension each blade to the belt for consistent, constant cleaning power
- Easy to install, simple to service
- Works with Flexco mechanical belt splices

### PT Max™ Belt Trainer



- Patented “pivot & tilt” design for superior training action
- Dual sensor rollers on each side to minimize belt damage
- Pivot point guaranteed not to freeze up
- Available for topside and return side belts

### Flexco Specialty Belt Cleaners



- “Limited space” cleaners for tight conveyor applications
- High Temp cleaners for severe, high heat applications
- A rubber fingered cleaner for chevron and raised rib belts
- Multiple cleaner styles in stainless steel for corrosive applications

### Belt Plows



- A belt cleaner for the tail pulley
- Exclusive blade design quickly spirals debris off the belt
- Economical and easy to service
- Available in vee or diagonal models

## **The Flexco Vision**

To become the leader in maximising  
belt conveyor productivity for our customers worldwide  
through superior service and innovation.

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