

# Conveyor Pulley RELAG

**Reliable pulley lagging is an essential part of trouble-free conveyor operation.**

When worn out lagging is slowing down your production, contact Mid-West Innovators – your optimal source for pulley RELAG.



- Outstanding product quality
- Wide variety of lagging options
- Quick turnaround and “rush delivery”
- Individual attention to each and every project

## WE’LL GET YOU BACK IN SERVICE QUICKLY!

Consider adding lagging to a functional non-coated core or replacing deteriorated lagging on a pulley in an existing belt conveyor system.

### Why RELAG?

- Cut cost by 30%-50% compared to purchasing new
- Minimize downtime – get your pulley back in service in 3-5 days
- Extend life of key conveyor components
- Fast turnaround
- Reduce wear from abrasive materials
- Prevent belt slippage and improve tracking

Save time and money with Mid-West Innovators RELAG service.

**Contact us today!**



# CONVEYOR PULLEY

**MID-WEST  
INNOVATORS INC.**

## Customizing your is as easy as 1 - 2

### 1 CHOOSE A COMPOUND

Start by selecting lagging compound. Based on the application requirements and time frame allowed, choose from versatile quick-ship options or a full range of available compounds and materials.

#### QUICK-SHIP RELAG

This is an economical solution with an unmatched lead time of 3 - 5 days, suitable for the majority of common belt conveyor applications.

QUICK-SHIP is an outstanding choice when fast turnaround is critical.

Select lagging type from 5 quick-ship options:

- SBR Rubber - 60A black
- Neoprene Rubber - 60A black
- Carboxylated Nitrile Rubber - 70A black
- Spiral Wrapped Rough Top (SWRT) - 60A black
- Food Grade Rubber - 60A white

#### SUPREME RELAG

This package features an extensive selection of lagging options with 5 - 15 day turnaround. These compounds are created for top performance in demanding applications: high-temperature, corrosive and abrasive environments among many others.

Select lagging type:

- Vulcanized Rubber
- Millable Urethane
- Cold Vulcanized Rubber
- Ceramic Tile Lagging
- Cast Urethane
- Spiral Wrapped Belting

**Need it faster?**

Ask about expedite service  
and 1-day  
turnaround!

*details on the back*

### Featured Compounds

These compounds have proven themselves in most rugged belt conveyor applications. We gladly offer the following lagging options as part of our Conveyor Pulley Relag program:



– Very tough, durable, abrasion-resistant rubber designed to prevent rubber reversion. An excellent choice for upgrading pulley lagging from cold-bonded and rough-top belting products.



**MSHA Accepted Rubber** – Compound with good mechanical properties, chemical resistance and high resilience. It meets all Mine Safety And Health Administration's requirements for flame resistant solid products taken into mines.



**AquaFlex™** – A custom formulated rubber compound offering excellent durability, resiliency, and heat resistance up to 275 F with designed resistance to wash-down environments making it ideal for outdoor conveyor applications.



**Millable Urethane** – A synthetic rubber compound that offers the benefits of rubber and the durability of urethane. It has extremely good wear resistance and excellent solvent resistance.



**Gum Rubber** – Extremely durable low durometer natural rubber. Great grip, rebound properties, and food grade formulation make this an excellent choice for various indoor applications.

**AquaFlex™**  
is a trademark name of Chase  
Elastomer, a Hexpol company

**MWI Quick-Ship** Relags in  
3-5 Days

If you find yourself in an emergency and need your pulley returned quickly, MWI's Quick Ship program is your solution.

# RELAG PROGRAM

## RELAG with Mid-West Innovators

### - 3

#### OPTIONAL FEATURES AND SERVICES

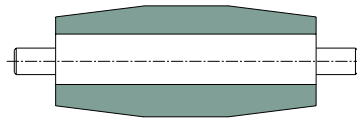
After lagging compound is chosen, select the optional features to maximize the benefits of pulley RELAG.

### 2 PROFILE TYPE



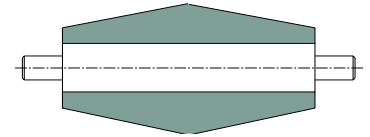
#### FLAT FACE

- Offers even belt wear, Prolongs belt life
- Creates more surface area for belt contact



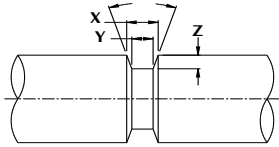
#### TRAPEZOIDAL CROWN

- Tracks belt without excess stretching
- Provides even wear surface



#### SINGLE CROWN

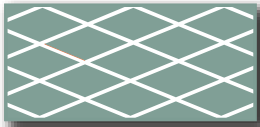
- Steeper crown allows easier belt tracking



V-Grooves are designed to guide V-belts and are available with any profile type or groove pattern.

V-GROOVE	Belt V-section Type					
	O (3L)	A (4L)	B(5L)	C	D	E
Top width "X"	.625"	.750"	.906"	1.125"	1.500"	1.750"
Bottom width "Y"	.422"	.506"	.602"	.739"	.972"	1.121"
Depth "Z"	.313"	.375"	.469"	.594"	.813"	.969"

### 3 GROOVE PATTERN



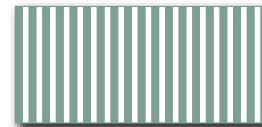
Diamond



Herringbone



Chevron



Circumferential



Straight

- Grooves help improve traction and eliminate belt slippage
- Prevent build-up of conveyed materials, ice/snow and or other elements

- Shed away water and debris - providing self-cleaning effect

## ADDITIONAL SERVICES

If core integrity has been compromised by length of service or harsh operating conditions, ask about

#### Repair and Refurbish Service:

- Surface machining
- Crack and weld repair
- Plug-weld defects
- Shaft and bushing replacement

Each pulley is inspected and evaluated. Repairs are estimated and submitted to the customer for approval prior to manufacturing.

#### Corrosion Protection for End Plates

After end disk cleanup and oxidation removal, primer, paint or powder coating can be applied for added abrasion and corrosion resistance.

- Standard Grey Primer
- TGIC Polyester Powder Coat
- Epoxy
- Food Grade Epoxy
- High-Temp Powder

#### Coating Identification

If you want to replace existing lagging, but you're unsure of what it is, Mid-West Innovators will inspect and identify the compound and durometer to provide similar or identical replacement. Please provide information about application and operating environment to ensure selection of best suitable lagging.

Lagging Capabilities: Up to 48" diameter, Up to 144" length

# LAGGING COMPOUND SELECTION GUIDE

This guide is created to assist you with compound selection, to ensure the best suitable lagging choice for the application.

- ★ Excellent
- ▲ Above Average
- Average
- ▾ Fair
- Not Recommended

	Compounds	Durometer	Color	Food Grade*	MAX Service Temp	COF (have grip)	Abrasion Resistance	Wash Down**	Fat, Oil, Grease Resistance	Outdoors	Life Cycle Benefits
Quick Ship Relag (3-5 days)	SBR	60A	Black		220	★	■	▾	■	●	■
	Neoprene	60A	Black	*	250	▲	■	▲	▲	■	■
	Carboxylated Nitrile	70A	Black		275	▲	▲	▲	★	●	★
	FG Rubber	60A	White	*	220	▲	■	▲	▲	■	■
	SWRT	60A	Black		185	★	▾	▾	■	●	▾
Supreme Relag	Natural Gum Rubber	40A	Tan	*	212	★	★	▲	●	●	★
	Neoprene	45A	Black		250	★	▾	▲	▲	■	■
	EPDM	60A	White	*	325	▲	▲	★	●	★	■
	Neoprene	60A	Off-White	*	250	▲	■	▲	▲	■	■
	Carboxylated Nitrile	60A	White	*	275	▲	▲	▲	★	●	★
	MSHA accepted Rubber	60A	Black		250	▲	▲	▲	▲	■	■
	Millable Urethane	65A	White	*	212	▲	★	▲	★	★	★
	AquaFlex™	65A	Black		275	▲	▲	★	★	★	▲
	Natural Rubber	70A	Tan	*	212	▲	▲	▲	●	●	★
	Millable Urethane	70A	Black		212	▲	★	▲	★	★	★
	Silicone	70A	Red	*	500	■	▾	★	▲	★	■
	EPDM	80A	Black		325	■	▲	★	●	★	■
	Neoprene	80A	Black	*	250	■	▲	▲	▲	■	▲
	Nitrile	80A	White	*	230	■	■	▲	▲	●	■
	Millable Urethane	80A	Red		212	■	★	▲	★	★	★
	Cast Urethane	40A 80A	Red/Blue/Black/ Clear		212	■	★	▲	★	★	★
	Ceramic Tile Lagging	N/A	Black Rubber/ White Tiles		220	▲	★	▲	★	▲	★
Cold-bonded Lagging	Contact customer service for available options										
Custom Blends	Contact customer service for available options										

\* Food Grade formulation available upon request. \*\*For specific chemical resistance rating please inquire.

This chart is for reference purposes for the basic properties listed on the top associated with generically named compounds (on the left). The ratings are based on published polymer supplier information, published literature and other credible sources in the rubber and plastic industry. Furthermore, the list of compounds is not exclusive to this chart and special blends can be compounded to suit unique, specific applications.