Ceramic, Drive and Non-Drive Rubber

ARROWHEAD™

PULLEY LAGGING

Eliminate Slippage and Increase Belt Traction

Arrowhead™ Ceramic
Pulley Lagging

Arrowhead™ Drive
Pulley Lagging

Precision Molded - Abrasion Resistant Ceramic

Reduces and Corrects Slippage

Solves Wear Problems

Improved Belt Tracking

Natural & MSHA Grade Rubber Lagging

ASGCO®

Complete Conveyor Solutions

Arrowhead™ Ceramic Pulley Lagging

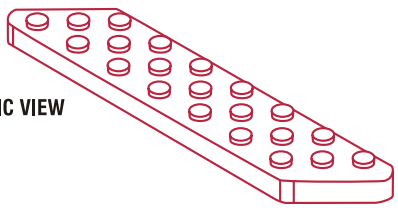
Arrowhead Ceramic Pulley Lagging provides the solution when conventional rubber lagging fails to correct a belt slippage problem and/or when rubber lagging wears prematurely. Our unique Arrowhead ceramic is designed for the highest drive factors unlike the conventional square tiles.

- **Increase Productivity -** by delivering increased traction between the belt and pulley. This allows for lower belt tension than with rubber lagging.
- **Improved Belt Tracking -** due to the Arrowhead patterns self-cleaning ability, which reduces material build-up and thereby eliminates the major source of misalignment.
- **Bonding Strength -** that is superior to others, due to 1/8" (3mm) of our neoprene compound vulcanized into bottom-side of the pulley lagging.
- **Extreme Durability -** in high feed rates and high conveying speeds and abrasive or highly wet or dry applications as seen in below ground and above ground mining.
- **Easy Installation -** can be done in place, on plant site, at your local distributor or at the pulley manufacturer. Each strip is 10" (250mm) wide x pulley face (*see chart on back*).
- **3 Year Warranty**

Only product providing diagonal grooves on ceramic tile lagging for self-cleaning.

Designed to eliminate belt slippage and premature lagging wear.

Design Features - Tiles



ISOMETRIC VIEW

- High grade aluminum oxide ceramic
- Tile fully enclosed by rubber
- Rounded corners allow for better adhesion between the rubber and the tile

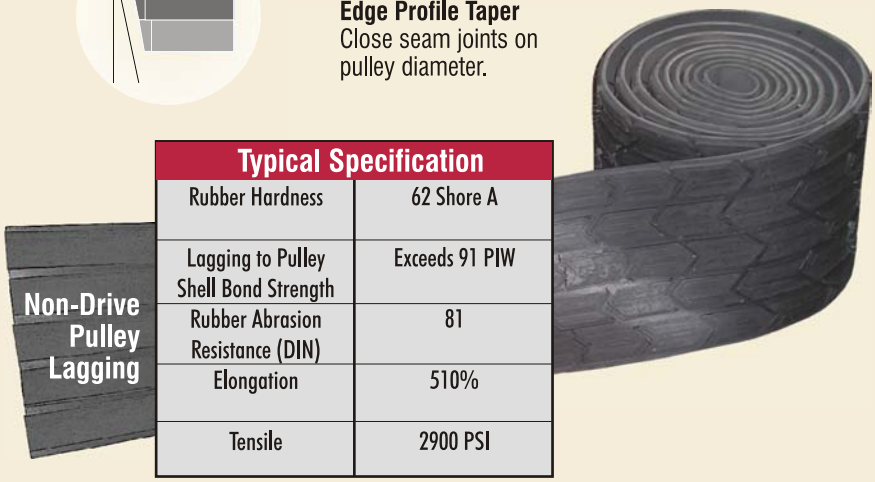
Arrowhead Ceramic Tile Statistics	Arrowhead Ceramic
Total surface area of the ceramic as a percentage for the total?	50%
Height of each tile?	0.625"
Length of tile?	2"
Total thickness of ceramic?	0.32"
Percent of ceramic are raised?	27%
Height of ceramic nubs that extend above the ceramic tile?	.0625"
Diameter of ceramic nub?	0.16"
Number of nubs?	21

Arrowhead™ Drive & Non-Drive Rubber Pulley Lagging

Arrowhead Drive and **Non-Drive Pulley Lagging** is the solution, in an application where rubber is the answer, to help eliminate slippage, increase pulley life and to improve production. A specially formulated combination of synthetic, natural, and neoprene rubber compounds provides our pulley lagging with excellent gripping strength and abrasion resistance.

- **Increase Productivity -** by delivering increased traction between the belt and pulley, and increasing pulley life and reducing build-up.
- **Bonding Strength -** that is superior to others, due to 3mm of our neoprene compound vulcanized into bottom side of the lagging.
- **Easy Installation -** can be done in place, on plant site, at your local distributor or at the pulley manufacturer. Each roll is ½" or ¾" thick x 10" wide by 21.3' long. 100' (30mm) long rolls will be available in January of 2006. (*See chart on back*)

Natural & M.S.H.A. Grade Pulley Lagging



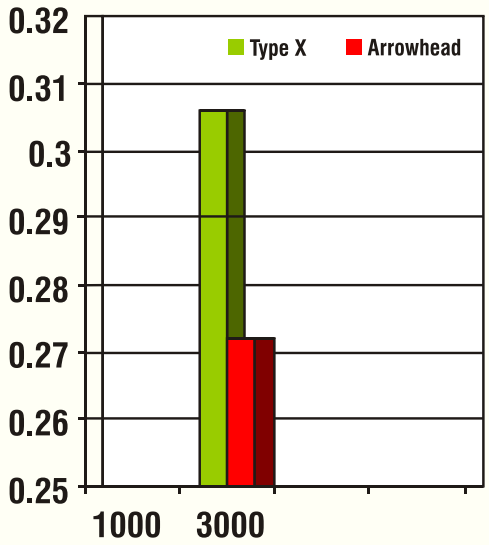
Typical Specification	
Rubber Hardness	62 Shore A
Lagging to Pulley Shell Bond Strength	Exceeds 91 PIW
Rubber Abrasion Resistance (DIN)	81
Elongation	510%
Tensile	2900 PSI


Installation of 3/4" Arrowhead Drive Lagging

Arrowhead proved to be 12% more abrasion resistant then the leading competition.

Taber Abrasion Tests

Total Amount of Material Loss



- Taber Abrasion, ASTMD 3389-94 (99)
- H18 wheels, 1000 gram load per wheel, for 3000 cycles
- All tests were completed by Akron Rubber Development Laboratory, Inc. - www.ardl.com

ARROWHEAD CERAMIC LAGGING INFORMATION

Part Number	Belt Width	BW mm	Inches Ceramic	mm Ceramic	Inches Rubber	mm Rubber
ASG-10X24-CL	24”	600	23.12”	587	40.00”	1016
ASG-10X30-CL	30”	750	30.50”	775	46.25”	1175
ASG-10X36-CL	36”	900	35.50”	902	52.25”	1327
ASG-10X42-CL	42”	1050	40.37”	1025	57.25”	1455
ASG-10X48-CL	48”	1200	47.87”	1215	64.12”	1629
ASG-10X54-CL	54”	1350	55.25”	1403	70.37”	1787
ASG-10X60-CL	60”	1500	62.75”	1594	78.00”	1981
ASG-10X72-CL	72”	1800	70.00”	1778	86.12”	2187
ASG-10X84-CL	84”	2150	87.50”	2222	104.00”	2642

Ceramic + 17 = Total Length

ARROWHEAD RUBBER LAGGING INFORMATION

Description	Part Number	Wt. LBS.
½” Thick x 10” x 21.33’ Drive Lagging	ASG-10X21.33-1/2-TRL	42
¾” Thick x 10” x 21.33’ Drive Lagging	ASG-10X21.33-3/4-TRL	60
½” Thick x 10” x 21.33’ Non-Drive Lagging	ASG-10X21.33-1/2-TRL-PLN	48
½” Thick x 10” x 21.33’ Drive Lagging MSHA	ASG-10X21.33-1/2-MSHA-TRL	42
¾” Thick x 10” x 21.33’ Drive Lagging MSHA	ASG-10X21.33-3/4-MSHA-TRL	56
½” Thick x 10” x 21.33’ Non-Drive Lagging MSHA	ASG-10X21.33-1/2-MSHA-PLN	42

ARROWHEAD CERAMIC LAGGING INFORMATION

Pulley Diameter	Number of Strips
12”	4
14”	5
16”	6
18”	6
20”	7
22”	7
24”	8
26”	9
28”	9
30”	10
32”	11
34”	11
36”	12
38”	12
40”	13
42”	14
48”	16
54”	17
60”	19

ARROWHEAD DRIVE & NON-DRIVE RUBBER LAGGING INFORMATION

Amount of Rolls Needed to Lag "X" Pulley
Pulley diameter x 3.1423 = Pulley circumference
Pulley Circumference / 10 = Number of Arrowhead lagging strips
Number of strips needed x (pulley face +2) = Number of total inches of rubber lagging
Number of total inches of rubber lagging / 255 = Number of rolls of rubber

ARROWHEAD DRIVE & NON-DRIVE RUBBER LAGGING INFORMATION

Amount of Cement Needed to Lag “X” Pulley Size		
Pulley diameter x 3.1423	=	Pulley circumference
Circumference x face width / 144	=	Pulley surface area in sq. ft.
Pulley surface area in sq. ft. / 10	=	Amount of cement in quarts needed

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