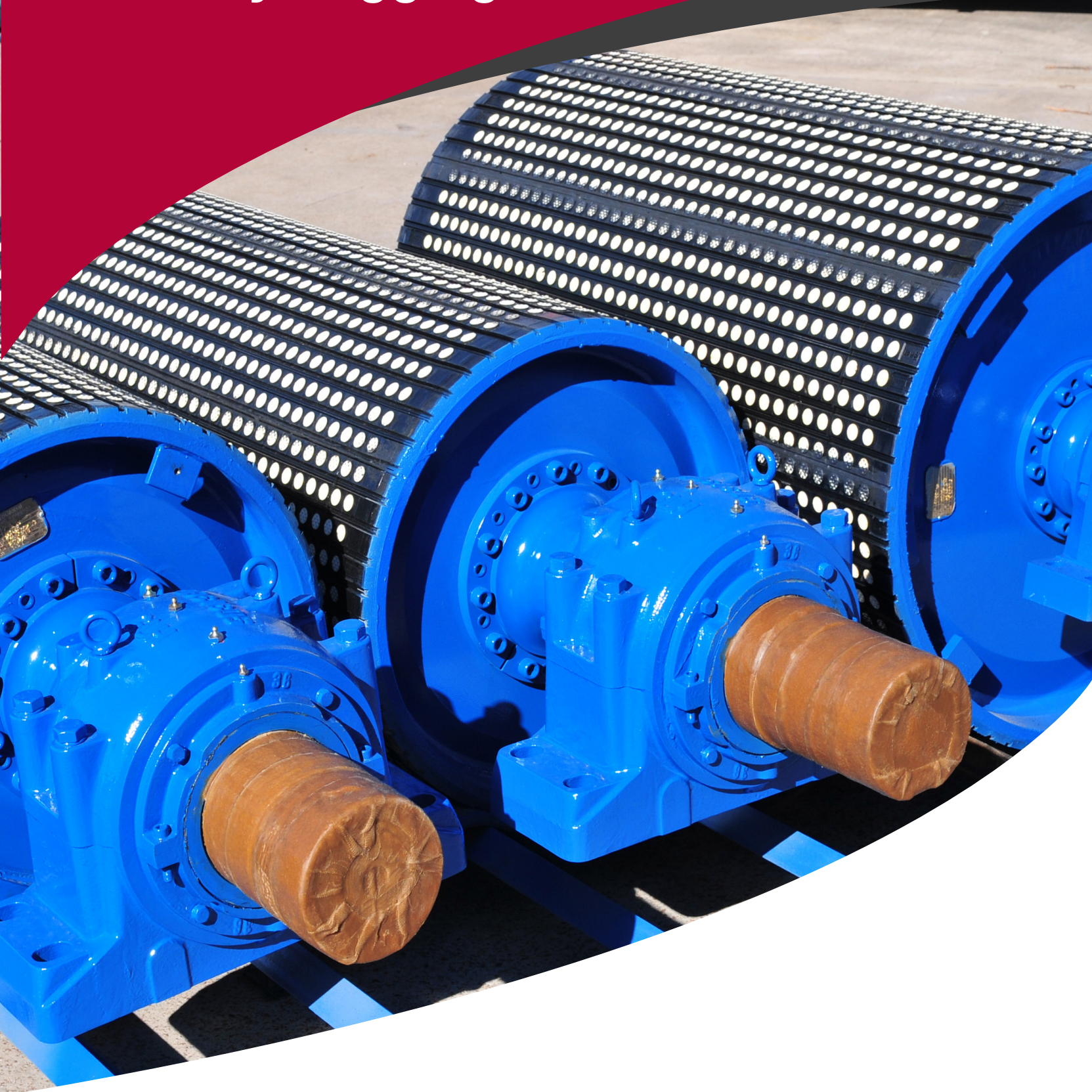
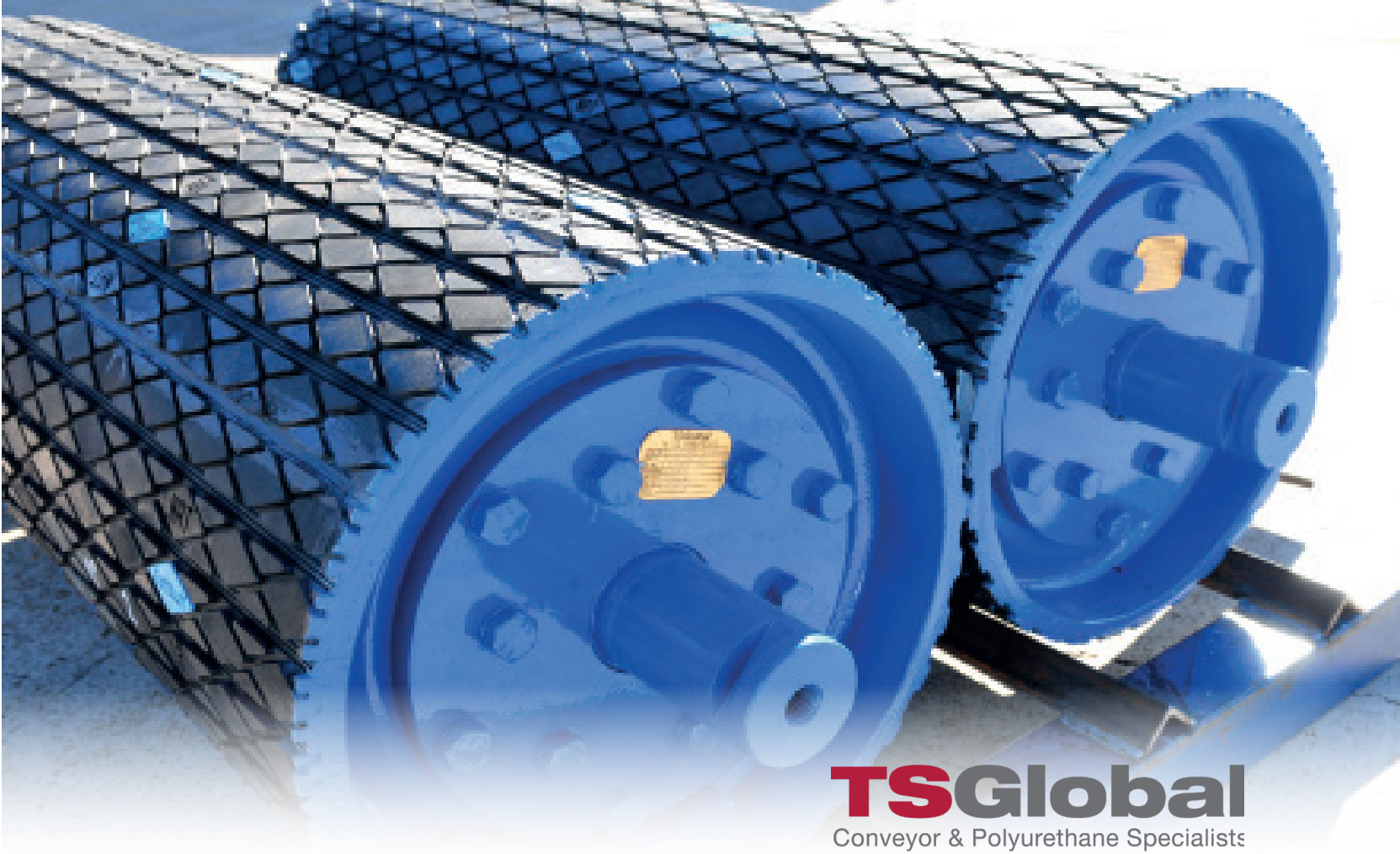


Conveyor Pulley Lagging



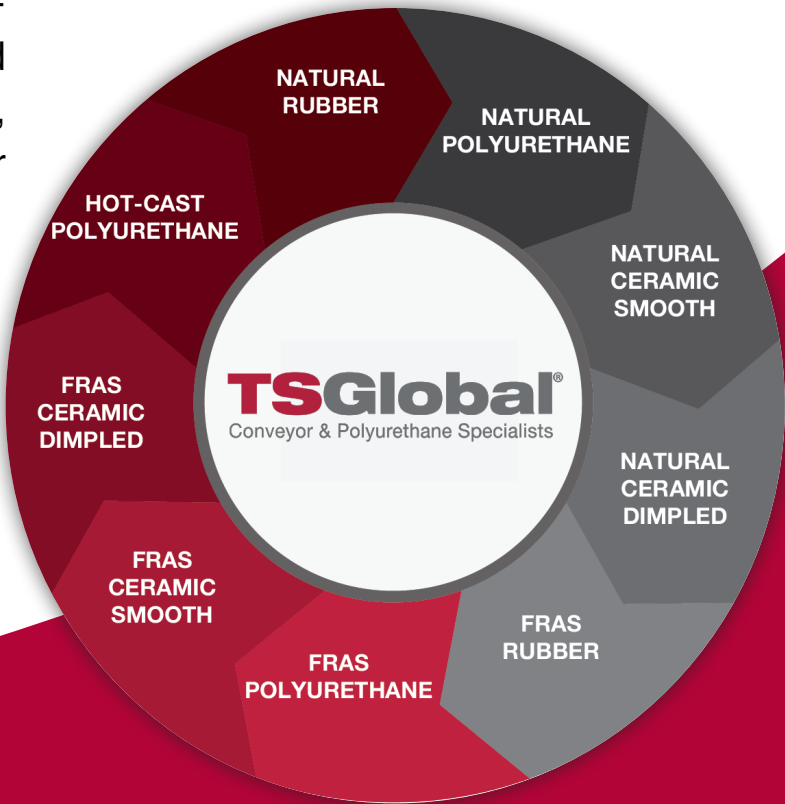
TSGlobal®
Conveyor & Polyurethane Specialists



With more than two decades of experience, TS Global is a proudly Australian-owned company that specializes in producing a diverse array of premium-grade conveyor accessories and polyurethane components. We boast an exceptional team of engineers and manufacturers who possess the skills and expertise to create cutting-edge solutions that can withstand even the most challenging conditions.

Our suite of services encompasses everything from the supply and installation of conveyor pulley lagging. We are driven by a commitment to deliver products that are both high-performing and low-maintenance, resulting in improved plant availability, reduced downtime, and minimised maintenance costs for our valued clients.

-  Australian Owned
-  Proven Performance
-  Quality Product
-  Flexibility in Design
-  On-time Delivery





WHY

Pulley lagging is a critical component on every conveyor system. The selection of the correct lagging type provides protection against wear to capital items within your conveyor system such as pulleys and conveyor belt. The use of incorrect lagging or no lagging at all, will accentuate wear to the pulley shell or the return belt cover. Additionally, pulley lagging can increase the drive capacity of a drive pulley within a conveyor system. The pattern within the lagging assists with the shedding of water and fines, minimising build-up on the pulleys, and reducing the risk of damage due to poor tracking.

WHERE

To combat risks associated with wear, slippage and build up on a pulley, it is industry standard to apply pulley lagging on all pulleys.

HOW

Whenever two components pass over each other, friction occurs and it is inevitable that wear will follow. Pulley lagging was developed to be the sacrificial item between capital components such as pulleys and conveyor belt. Its primary objective is to wear as it is more cost effective to replace the pulley lagging than it is to replace a pulley or conveyor belt.



Our range of rubber and polyurethane lagging is designed to be applied on any pulley. Strip lagging is cold bonded to the pulley shell and can be applied either in-situ or within a workshop environment. The lagging comes in a 250mm wide strip and has a fully vulcanised CN bonding layer ensuring a rubber tear bond to the pulley shell. This lagging is available in both Natural and Fire Resistant Anti-Static (FRAS) rubber and polyurethane.

RUBBER STRIP LAGGING

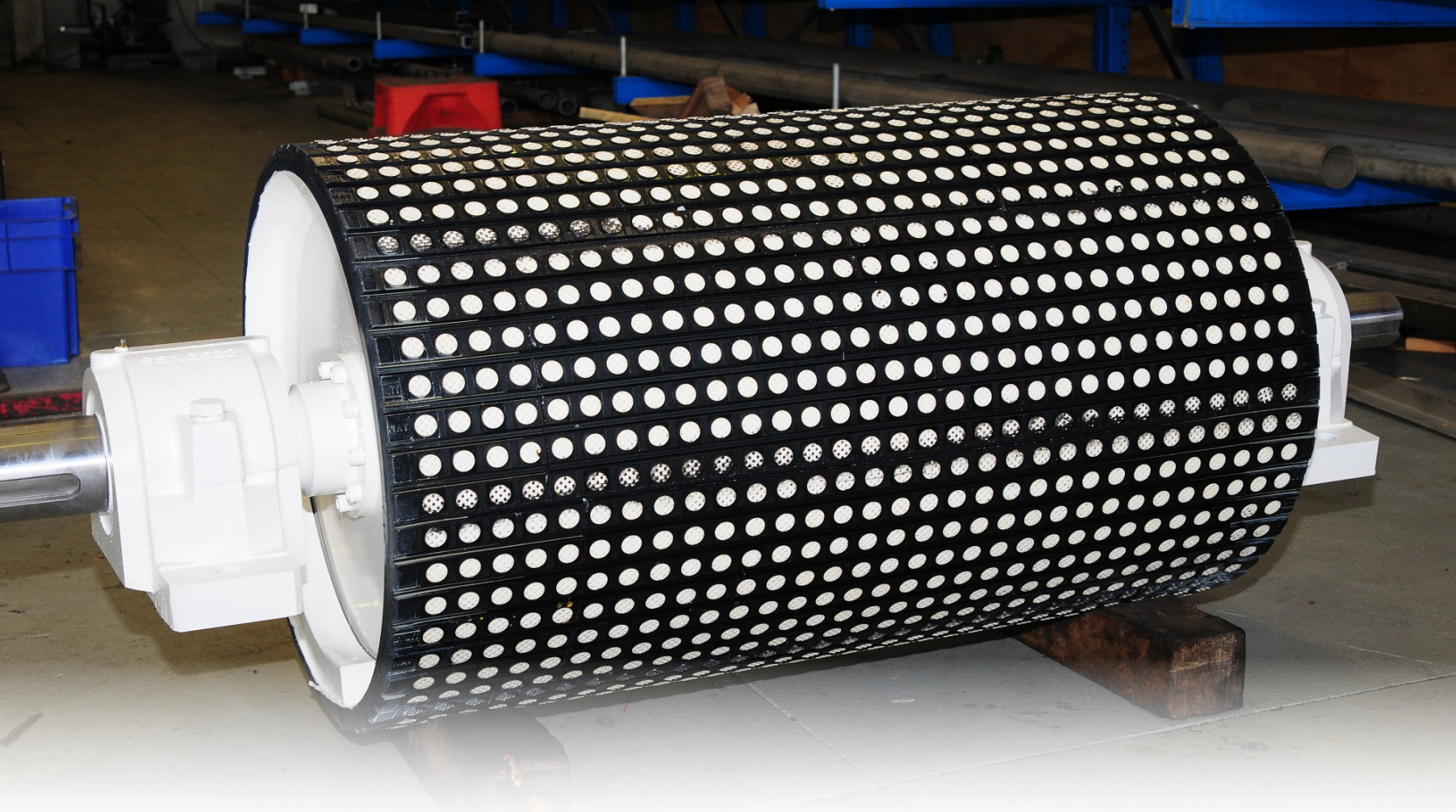
Our rubber strip lagging is available with a diamond pattern and has excellent shedding capabilities, minimising the risk of build-up on the pulley shell which can lead to tracking issues. In addition, it increases the co-efficient of friction between the belt and the pulley, delivering superior drive performance. Available in natural and FRAS.



POLYURETHANE STRIP LAGGING

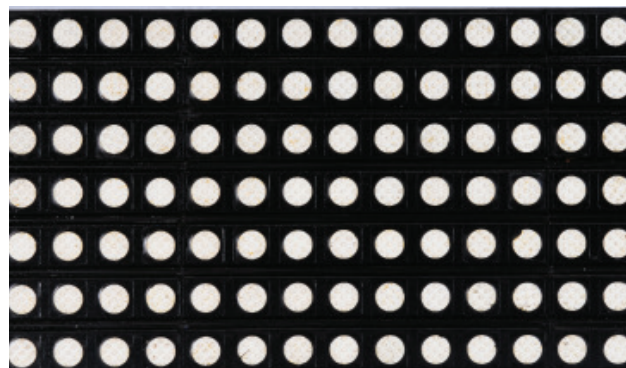
The advanced formulation and manufacturing process of our polyurethane results in a product with excellent abrasion resistance that will outperform any rubber lagging. The self-lubricating properties of this product delivers superior performance in shedding, minimising build-up on the pulley shell which can lead to tracking issues and increases the risk of damage to the conveyor belt.





CERAMIC STRIP LAGGING

Our range of ceramic lagging is available with dimpled or plain tiles catering for any application. The dimpled tile is used solely on drive pulleys. The small dimple on top of each tile embeds itself into the top cover of the conveyor belt creating a geared drive effect between the belt and drive pulley. This eliminates the potential of slippage between the belt and drive pulley. The plain tile is used on any non-drive pulley installed in high tension or highly abrasive areas. The 92% alumina tile offers protection against wear ensuring longevity in demanding applications. Our manufacturing process ensures that tiles are bonded on the back and all sides. This process provides a superior layer of protection from impact and significantly reduces the risk of the tile dislodging or cracking. Available in natural and FRAS.





POLYURETHANE HOT CAST LAGGING

Hot cast polyurethane lagging is designed to be applied on non-drive pulleys only. Being a hot cast process, this lagging can only be applied within our workshop. This style of lagging eliminates all joins which are traditionally failure modes within conventional lagging. This lagging is available in Natural or Fire Resistant Anti-Static (FRAS) polyurethane, in any thickness and a range of patterns, including diamond, herringbone or plain pattern.



After casting, the polyurethane is machined to ensure concentricity and minimising the Total Indicator Runout (TIR) on the pulley. This process reduces the noise level of the pulley in operation which can be invaluable in noise sensitive areas. The advanced formulation and manufacturing process of our polyurethane results in a product with excellent abrasion resistance that will outperform any rubber lagging.

Pulley Lagging Calculator

Pulley Diameter - mm (inches)		No. of Strips
Minimum (Inches)	Maximum (Inches)	
160 (6 ¹ / ₄)	238 (9 ³ / ₈)	3
239 (9 ³ / ₈)	318 (12 ¹ / ₂)	4
319 (12 ¹ / ₂)	394 (15 ¹ / ₂)	5
398 (15 ⁵ / ₈)	477 (18 ³ / ₄)	6
478 (18 ⁷ / ₈)	557 (21 ⁷ / ₈)	7
558 (22)	636 (25)	8
637 (25 ¹ / ₈)	716 (28 ¹ / ₄)	9
717 (28 ¹ / ₄)	795 (31 ¹ / ₄)	10
796 (31 ³ / ₈)	875 (34 ¹ / ₂)	11
876 (34 ¹ / ₂)	954 (37 ¹ / ₂)	12
955 (37 ⁵ / ₈)	1034 (40 ³ / ₄)	13
1035 (40 ³ / ₄)	1114 (43 ⁷ / ₈)	14
1115 (43 ⁷ / ₈)	1193 (47)	15
1194 (47)	1273 (50 ¹ / ₈)	16
1274 (50 ¹ / ₈)	1352 (53 ¹ / ₄)	17
1353 (53 ¹ / ₄)	1432 (56 ³ / ₈)	18
1433 (56 ³ / ₈)	1511 (59 ¹ / ₂)	19
1512 (59 ¹ / ₂)	1591 (62 ⁵ / ₈)	20



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AS/NZS ISO 9001
AS/NZS ISO 45001

BUREAU VERITAS
Certification



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