

**WEAR SOLUTIONS**

**ASGCO**<sup>®</sup>

Complete Conveyor Solutions

**PROVIDING THE WORLD'S MATERIAL HANDLING INDUSTRY  
WITH EFFICIENT, SAFE AND PRODUCTIVE "COMPLETE CONVEYOR SOLUTIONS".**



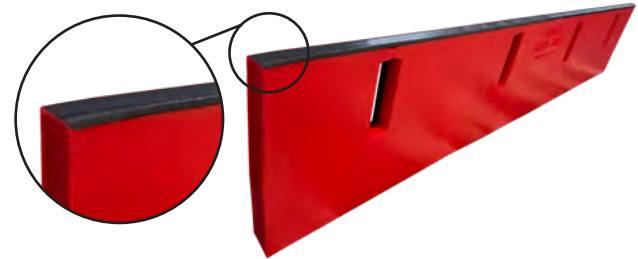
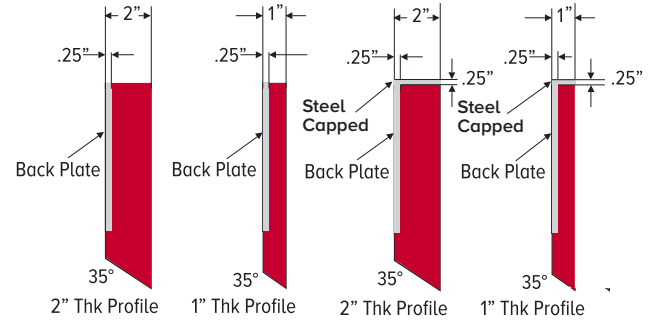
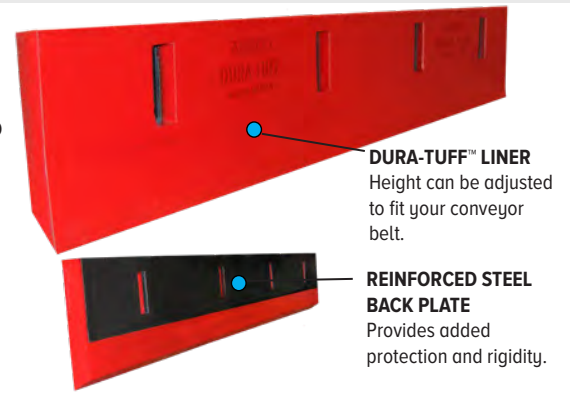
# **WEAR SOLUTIONS**



## DURA-TUFF™ Urethane Canoe Liners

**ASGCO® DURA-TUFF™ Urethane Canoe Liners** are engineered to absorb impact and provide abrasion resistance in all types of material transfer applications. Made from our exclusive ASGCO® urethane compound with a durometer of 80/85, along with a steel backing plate for extra support. ASGCO® DURA-TUFF™ Urethane Canoe Liners play a key role in decreasing downtime and reducing losses due to spillage, while maintaining a safe working environment.

- Available in 1", 2" and 3" thickness
- Available in our standard sizes 7"x48", 9"x48", and 12"x48"
- Available in beveled edge or square edge
- Custom sizes and squared edges available upon request
- For additional protection, Steel Capped Urethane Liners available
- Slotted holes on 12" centers for ease of adjustment
- Liners can be adjusted easily up or down to achieve the best fit.

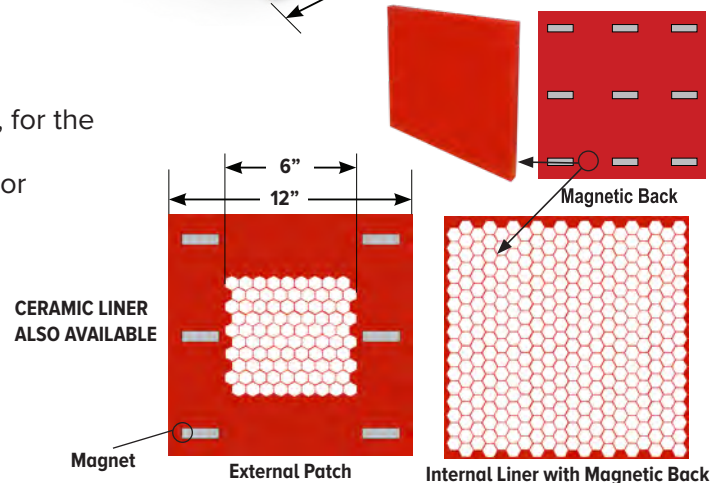
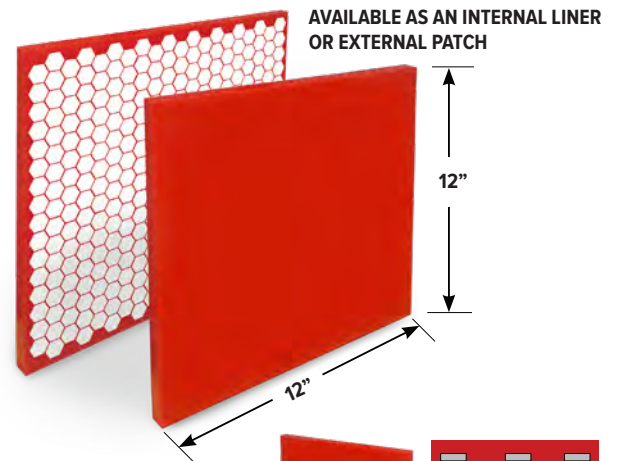


Dura-Tuff™ Urethane Canoe Liners			
Part Number		Size	Wt. Lbs.
(BEVELED)	(SQUARE)		
M-ASG-U-CL-48X12X1-B-1	M-ASG-U-CL-48X12X1-S-1	48" x 12" x 1"	39
M-ASG-U-CL-48X12X2-B-1	M-ASG-U-CL-48X12X2-S-1	48" x 12" x 2"	55
M-ASG-U-CL-48X12X3-B-1	M-ASG-U-CL-48X12X3-S-1	48" x 12" x 3"	72
M-ASG-U-CL-48X9X1-B-1	M-ASG-U-CL-48X9X1-S-1	48" x 9" x 1"	36
M-ASG-U-CL-48X9X2-B-1	M-ASG-U-CL-48X9X2-S-1	48" x 9" x 2"	50
M-ASG-U-CL-48X9X3-B-1	M-ASG-U-CL-48X9X3-S-1	48" x 9" x 3"	64
M-ASG-U-CL-48X7X1-B-1	M-ASG-U-CL-48X7X1-S-1	48" x 7" x 1"	31
M-ASG-U-CL-48X7X2-B-1	M-ASG-U-CL-48X7X2-S-1	48" x 7" x 2"	39
M-ASG-U-CL-48X7X3-B-1	M-ASG-U-CL-48X7X3-S-1	48" x 7" x 3"	46

## X-Wear™ Urethane Magnetic Wear Liners and Patches

**X-Wear™ Urethane Magnetic Liners and Patches** provide a temporary yet reliable patch system that can be installed quickly and safely without the use of welders or bolt fastening systems. This allows for minimal downtime when repairing a leak or wear spot on chutes or load points. When time allows, the ASGCO® X-Wear Urethane Magnetic Patch™ can easily be removed so that a more permanent repair can be performed.

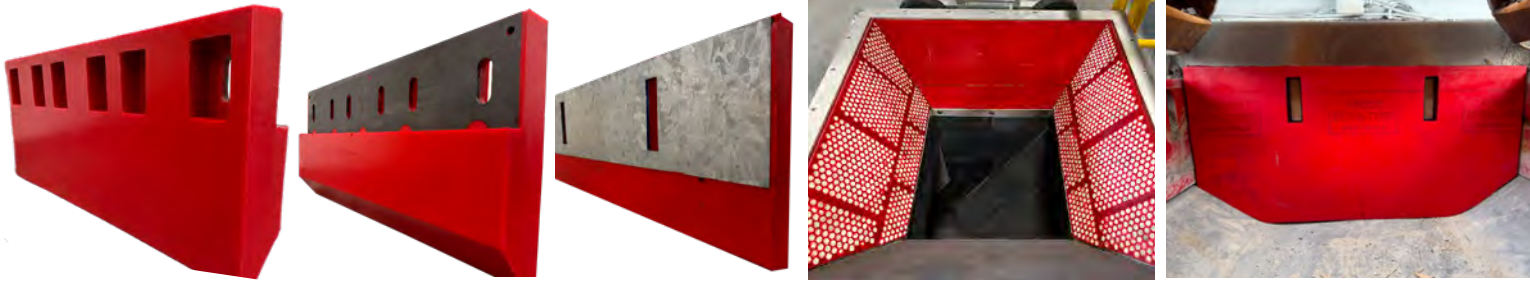
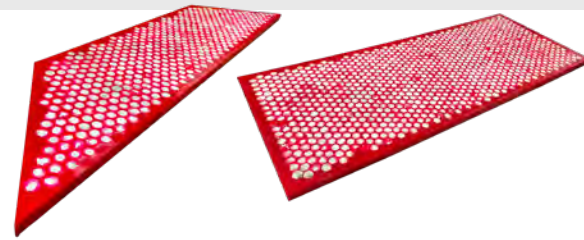
- Constructed with ASGCO-thane® Polyurethane
- Embedded high-strength rare earth magnets allow for installation using magnetic force alone
- No Bolting – No Welding – No Cutting to the applied area
- Eliminates the need for hot work permits in most areas
- Stays securely in place on vibrating screens and chutes
- Can be repositioned easily and safely, when time permits, for the repair to be done permanently
- Polyurethane can be field trimmed to fit unusual surfaces or conditions.
- Custom size available upon request



X-Wear™ Urethane Magnetic Wear Liners		
Part Number	Size	Wt. Lbs.
ASG-1-6X6-UMWP-1	1" x 6" x 6"	2
ASG-1-12X12-UMWP-1	1" x 12" x 12"	6
ASG-1-6X6-UMWP-6C-1	1" x 6" x 6" - 6" Ceramic	3
ASG-1-12X12-UMWP-12C-1	1" x 12" x 12" - 12" Ceramic	12

## Custom Engineered Urethane Solutions

ASGCO® provides **Custom Engineered Urethane Solutions**, offering a variety of options including custom shapes, sizes, thicknesses, and counter-sunk holes. Solutions can also be enhanced with ceramics, magnetic properties, or steel backing with studs.



## Urethane Screen Feed Box Liners and Side Wear Liners

ASGCO® has expanded the use of their Cast Urethane products to include screen wear parts. All of our urethane wear products are cast from our exclusive ASGCO-thane™ polyurethane compound with a range of hardness from 70/95 durometer, along with a steel backing plate for extra added support.

- **Abrasion Resistant** – Cast urethane screen wear products are molded using our high-grade polyurethane compounds that last longer and offer superior abrasion, cut, and tear resistance when compared to rubber.
- **Higher Load-Bearing Capacity** – Better compression set, and superior tolerance to greases, oils, oxygen, and ozone.
- **Durable** – Urethane can be easily formulated to outlast rubber and stand up to sunlight and harsh outdoor environments.
- **Multiple Steel Options** – Fully boxed with steel, or only a steel back allows complete customization. Can be studded or plug welded.



## Screen Feed Box Liners

**Screen Feed Box Liners** are patterned for a direct replacement of the current liner configuration being used, and can be altered depending on the wear characteristics for maximum wear life. Liners can have various sized and shaped ceramics inserted to increase the longevity of the liner in high abrasion applications.



## Screen Side Wear Liners

**Screen Side Wear Liners** are boxed in with mild steel or hard plate to prevent premature edge wear or damage. Bolt patterns, sizes, and thicknesses are fully customizable to increase the wear life for your operation by our in-house engineers.



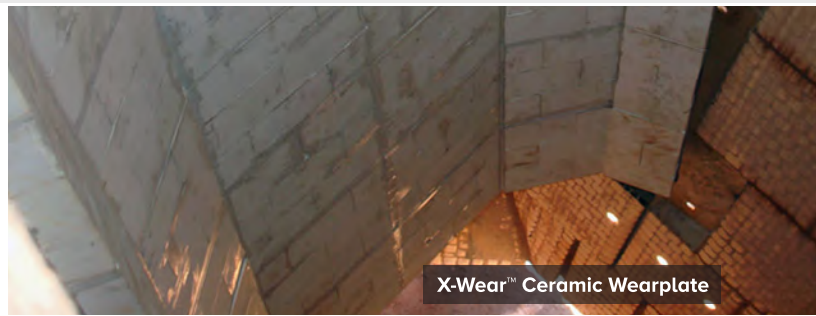
## Urethane Classifier Shoes

**Urethane Classifier Shoes** feature our special wear-resistant urethane material at the outer edge of the shoe (the area that sees the most abrasion) to extend the wear life of the shoe. Longer shoe life means you experience less maintenance downtime and lower operating costs, resulting in higher productivity.





X-Wear™ Mine Duty Ceramic Liners

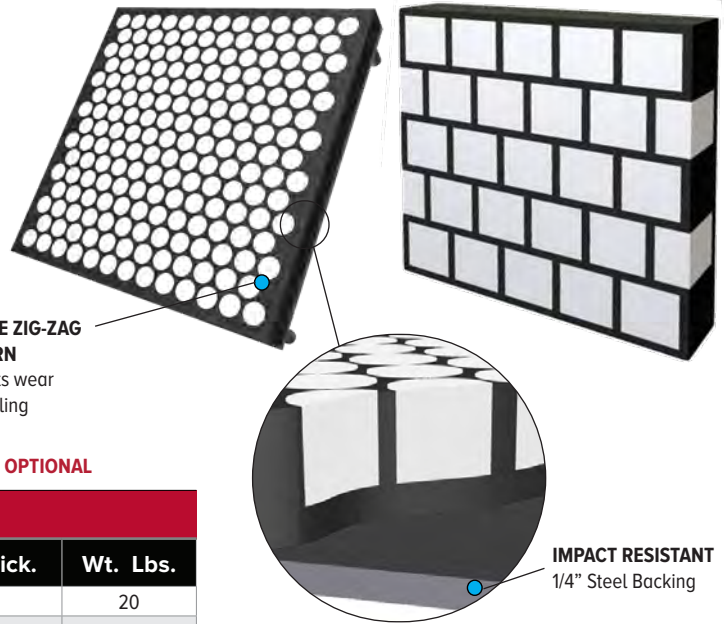


X-Wear™ Ceramic Wearplate

## X-Wear™ Mine Duty Ceramic Conveyor Wear Liners

ASGCO X-Wear™ Mine Duty Ceramic Wear Liners are made of extremely hard ceramics that provide superior resistance to abrasive wear while the rubber effectively dampens the impact forces that can crack the ceramic. The rubber matrix that surrounds the ceramic is hot vulcanized for superior adhesion.

- Durable Hard Ceramic Wear Plate
- Easy To Install
- Reduces Noise
- Unsurpassed Resistance
- Impact Resistant
- Smooth Surface
- Longest Wear Life Available



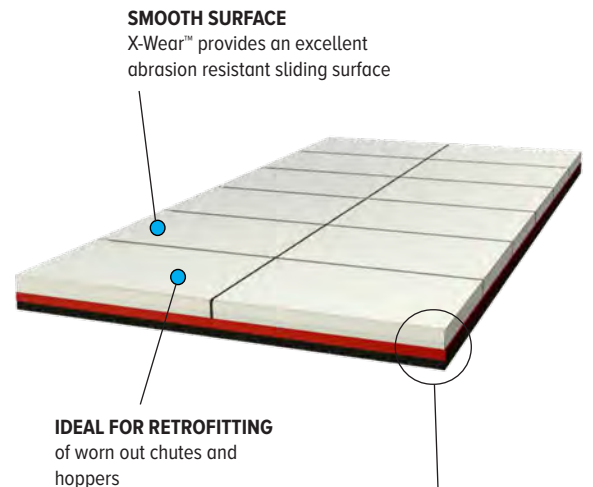
X-Wear™ Mine Duty Ceramic Conveyor Wear Liners

Part Number	Width	Length	Ceramic Thick.	Liner Thick.	Wt. Lbs.
ASG-12X12X1.25-MDX	12"	12"	3/4	1-1/4	20
ASG-12X12X2.375-SDX	12"	12"	2	2-3/8	40

## X-Wear™ Ceramic Wearplate

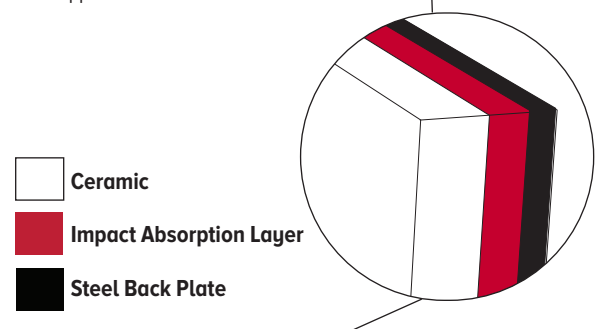
ASGCO X-Wear™ Ceramic Wearplate will substantially reduce your operating costs when compared to any other lining material. The smooth surface of the X-Wear™ provides an excellent sliding surface for bulk material handling. Forget UHMW and other plastics that distort, buckle and wear out. The low coefficient of friction and durable surface of X-Wear™ Ceramic Wearplate will provide years of maintenance-free service.

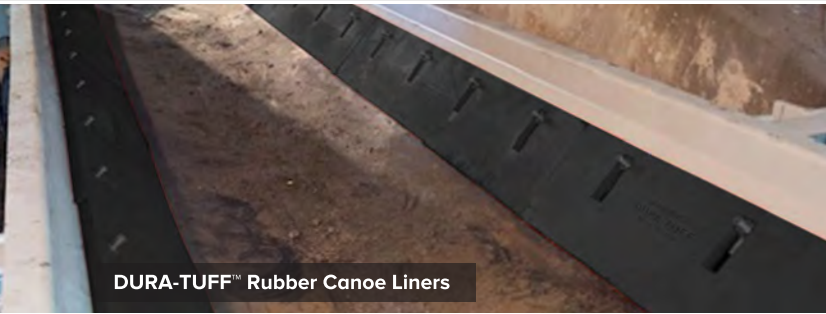
- **Material Flow** – The smooth surface of X-Wear™ Ceramic provides the optimum sliding surface for material handling.
- **Customizable Repairs** – The X-Wear™ Ceramic's strength makes it ideal for direct retrofitting of worn out chutes and hoppers without expensive repairs.
- **Noise Reduction** – X-Wear™ Ceramic's energy absorbing design drastically reduces noise.
- **1/4" Steel Backing** – suitable for stud welding or plug welding.
- **1/2", 3/4", 1", 1 1/2", and 2" thick ceramic available.**



X-Wear™ Mine Duty Ceramic Conveyor Wear Liners

Part Number	Width	Length	Ceramic Thick.	Steel Thick.	Wt. Lbs.
M-ASG-XW-12X12X1/2	12	12	1/2	1/4	21
M-ASG-XW-12X12X3/4	12	12	3/4	1/4	25
M-ASG-XW-12X12X1	12	12	1	1/4	29
M-ASG-XW-12X12X2	12	12	2	1/4	47





**DURA-TUFF™ Rubber Canoe Liners**

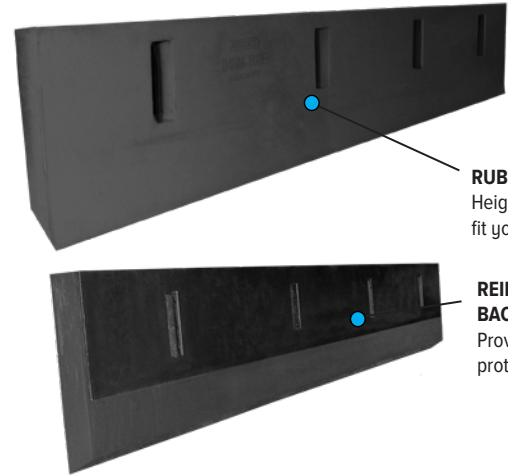


**AR™ 400 Hardox Steel Internal Skirtboard Liners**

## DURA-TUFF™ Rubber Canoe Liners

ASGCO® DURA-TUFF™ Rubber Canoe Liners are specifically designed to absorb impact and resist abrasion in various material transfer operations. Constructed from ASGCO®'s exclusive rubber compound with a durometer rating of 65/70, these liners are an essential part of reducing downtime and increasing production by minimizing spillage.

- Available in 1", 2" and 3" thickness
- Available in our standard sizes 7"x48", 9"x48", and 12"x48"
- Custom sizes and squared edges available upon request
- Slotted holes on 12" centers for ease of adjustment
- Liners can be adjusted easily up or down to achieve the best fit.



**RUBBER LINER**  
Height can be adjust to fit your conveyor belt.

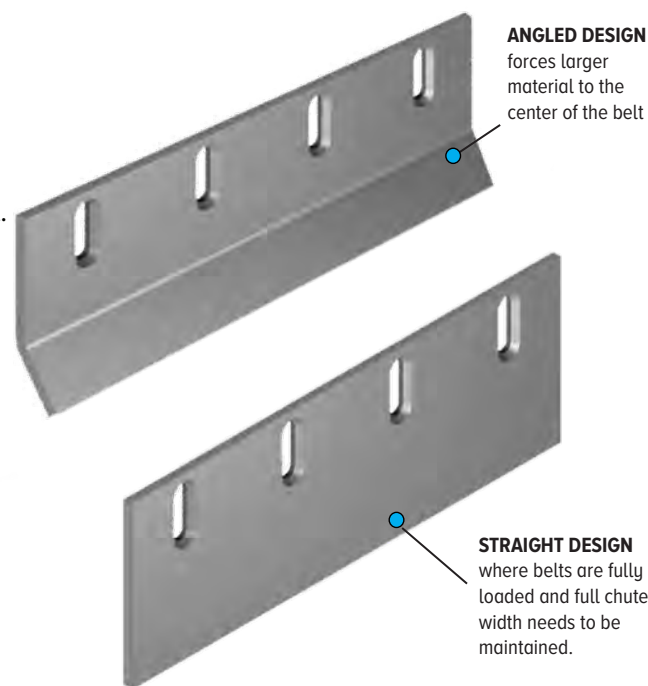
**REINFORCED STEEL BACK PLATE**  
Provides added protection and rigidity.

Rubber Canoe Liners			
Part Number	Description	Size	Wt. Lbs.
M-ASG-R-CL-48X12X1-B-1	DURA-TUFF™ Rubber Canoe Liners	48" x 12" x 1"	39
M-ASG-R-CL-48X12X2-B-1	DURA-TUFF™ Rubber Canoe Liners	48" x 12" x 2"	55
M-ASG-R-CL-48X12X3-B-1	DURA-TUFF™ Rubber Canoe Liners	48" x 12" x 3"	72
M-ASG-R-CL-48X9X1-B-1	DURA-TUFF™ Rubber Canoe Liners	48" x 9" x 1"	36
M-ASG-R-CL-48X9X2-B-1	DURA-TUFF™ Rubber Canoe Liners	48" x 9" x 2"	50
M-ASG-R-CL-48X9X3-B-1	DURA-TUFF™ Rubber Canoe Liners	48" x 9" x 3"	64
M-ASG-R-CL-48X7X1-B-1	DURA-TUFF™ Rubber Canoe Liners	48" x 7" x 1"	31
M-ASG-R-CL-48X7X2-B-1	DURA-TUFF™ Rubber Canoe Liners	48" x 7" x 2"	39
M-ASG-R-CL-48X7X3-B-1	DURA-TUFF™ Rubber Canoe Liners	48" x 7" x 3"	46

## AR™ 400 Hardox Steel Internal Skirtboard Liners

ASGCO AR™ 400 Hardox Steel Internal Conveyor Wear Liners protect your skirtboard and extend the life and effectiveness of your sealing compound. Use the straight wear liner where belts are fully loaded and full chute width needs to be maintained. The angled wear liner will force larger material to the center of the belt. Any small material that works its way under the deflector have a path to exit the skirting area without being forced against the sealing compound.

- **Lowest Cost Per Ton**
- **Easy Material Flow** with smooth laminar surface
- **Reduces downtime**
- **Corrosion resistant**
- **Easy Retrofit** for easy skirtwalls installation



**ANGLED DESIGN**  
forces larger material to the center of the belt

**STRAIGHT DESIGN**  
where belts are fully loaded and full chute width needs to be maintained.

AR™ 400 Hardox Steel Internal Skirtboard Liners		
Part Number	Description	Wt. Lbs.
M-SKRT-LIN-HAR-24-1/2-A	Deflector Wearplate, Hardox 400, Angled	30
M-SKRT-LIN-HAR-24-1/2-S	Deflector Wearplate, Hardox 400, Straight	30

## Armorite® Smooth Conveyor Wear Plates

ASGCO® Armorite® Wear Plates present a very cost effective method of extending wear life within the conveyor system including; chutes, hoppers, bins, impact walls and screen plates. Armorite® Wear Plates provide extreme abrasion resistance across a range of industrial mining applications.

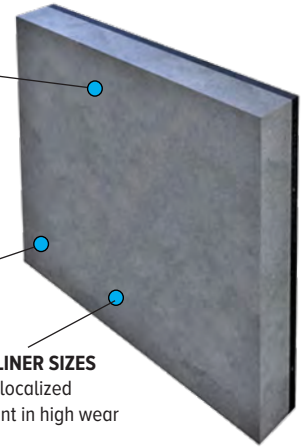
Armorite® Smooth Conveyor Wear Plates				
Part Number	Length	Width	Thickness	Wt. Lbs.
ASG-AMR-5X10X1	10"	5"	1"	17
ASG-AMR-6X12X1	12"	6"	1"	20
ASG-AMR-12X12X1	12"	12"	1"	37

ARMORITE® BOND ZONE LAYERS

1" ARMORITE®  
White iron molded to a mild steel backing



CUSTOM LINER SIZES  
Allows for localized replacement in high wear areas



## Armorite® Skirtboard Conveyor Wear Liners

Armorite® Skirtboard Conveyor Wear Liners protect your skirtboard and provide a significantly longer wear life than other skirt liners. The skirt liner is produced from 7/8" thick Armorite® that is enhanced with a 5/16" thick mild steel producing a product that is 700 BHN with a high impact resistance. It can be used for all conveyors and transfers where the eradication of spillage or centralization of load is required.

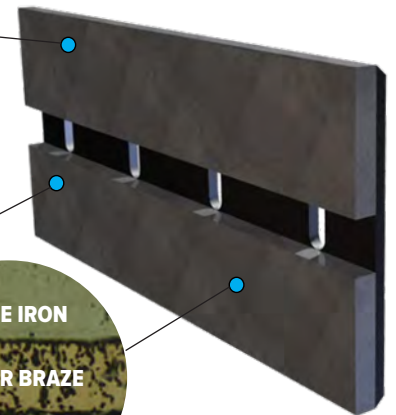
Armorite® Skirtboard Conveyor Wear Liners				
Part Number	Length	Width	Thickness	Wt. Lbs.
ASG-AMR-30X12X23.5	23-1/2"	12"	1-3/16"	80

VARIETY OF DESIGNS AND SHAPES AVAILABLE

DESIGNED TO BE ROTATED  
180° for extended wear



ARMORITE® BOND ZONE LAYERS



## Armorite® Wear Buttons

Armorite® Wear Buttons are the perfect alternative to expensive, labor intensive hard facing or cutting wear strips from full sheets of wear plate. Ideal for smaller areas within the conveyor system requiring wear resistant material.

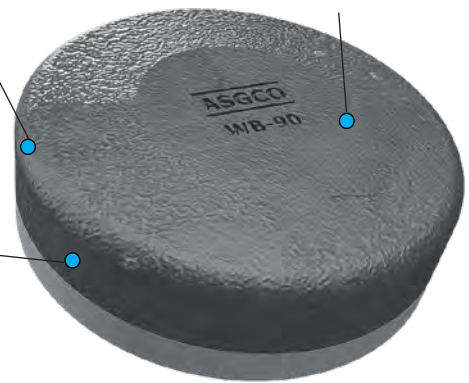
Armorite® Conveyor Wear Buttons			
Part Number	Diameter	Thickness	Wt. Lbs.
ASG-AMR-WB-90	3-1/2"	1-3/8"	3

ARMORITE® BOND ZONE LAYERS



AVAILABLE IN DIAMETERS  
60mm up to 150mm

IDEAL FOR SMALL AREAS



## Armorite® Grizzly Screen Cap Conveyor Wear Bars

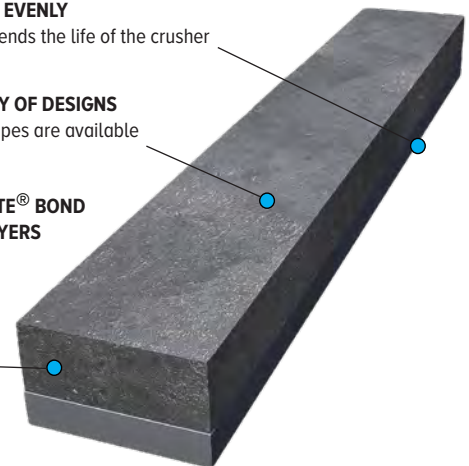
Armorite® Grizzly Screen Caps and Conveyor Wear Bars will reduce wear and increase the life of a crusher. By removing fines upstream of the crusher as well as spreading bulk material so it is distributed over the width of the crusher, it wears evenly and the life is greatly extended.

Armorite® Grizzly Screen Cap Conveyor Wear Bars				
Part Number	Length	Width	Thickness	Wt. Lbs.
ASG-AMR-30X2X7.5	7-1/2"	2"	1-1/8"	4.9
ASG-AMR-30X3X6	6"	3"	1-1/8"	11.7
ASG-AMR-50X2X9	9"	2"	2"	20

WEARS EVENLY  
and extends the life of the crusher

VARIETY OF DESIGNS  
and shapes are available

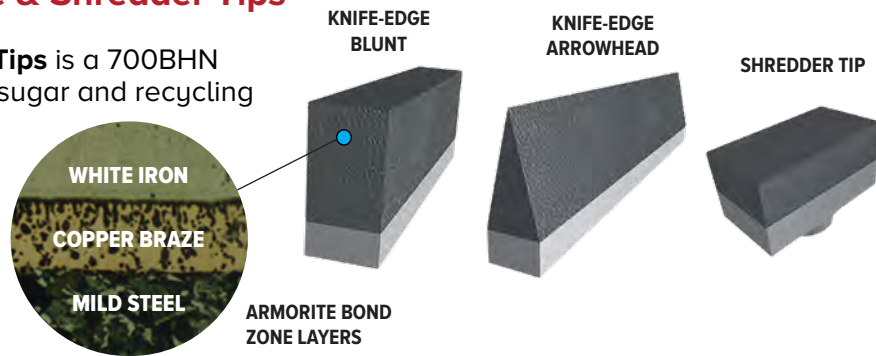
ARMORITE® BOND ZONE LAYERS



## Armorite® Conveyor Wear Knife Edge & Shredder Tips

Armorite® Knife Edges and Hammer/Shredder Tips is a 700BHN weld on or bolt on, specifically designed for the sugar and recycling industries.

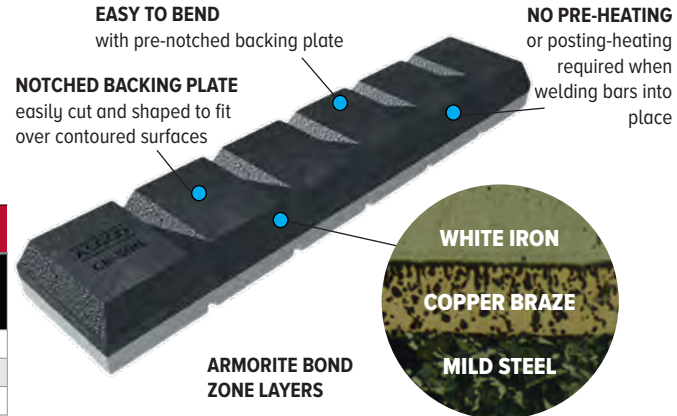
ARMORITE® Conveyor Wear Knife Edge & Shredder Tips		
Part Number	Description	Wt. Lbs.
ASG-AMR-ST-3X2X2	Shredder Tip	5
ASG-AMR-KEB-8X1-A	Knife Edges - Arrowhead	3
ASG-AMR-KEB-8X1-B	Knife Edges - Blunt	4



## Armorite® Chocky Bars

Armorite® Chocky Bars offer protection on contoured surfaces within the conveyor system such as buckets, loaders, excavators and dragline machines, or chute linings and rock box edges.

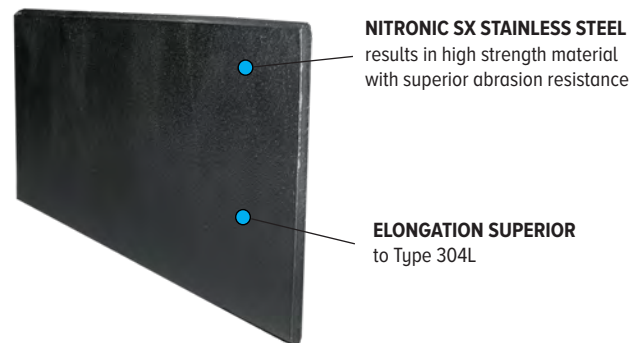
Armorite® Chocky Conveyor Wear Bars					
Part Number	Description	Length	Width	Thickness	Wt. Lbs.
ASG-AMR-CB-40	Chocky Bar	9-1/2"	1-9/16"	8"	4
ASG-AMR-CB-40N	Notched Chocky Bar	9-1/2"	1-9/16"	8"	4
ASG-AMR-CB-50N	Notched Chocky Bar	9-1/2"	2"	1"	5
ASG-AMR-CB-65N	Notched Chocky Bar	9-1/2"	2-3/4"	1"	5.5



## Nitronic SX Stainless Steel Wear Plate

Nitronic SX Stainless Steel is a nitrogen-strengthened stainless steel developed for applications requiring corrosion resistance and durability. The high work-hardening rate of Nitronic SX Stainless Steel results in a high-strength material with superior abrasion resistance and elongation superior to Type 304L.

- Custom designs – to meet customer requirements.



## Chromium Carbide Overlay (CCO) Wear Plate

ASGCO's® Chromium Carbide Overlay (CCO) Wear Plate is an extra hard clad plate with additives that give even higher abrasion resistance in high stress applications with moderate to low impact conditions.

- Cost effective solution when compared to traditional abrasion-resistant steels
- Recommended for resistance to wear by abrasion, fretting, cavitation, and particle erosion in high temperature applications (up to 1100°F).
- Ideal for mild to moderate impact abrasion resistance.
- Low maintenance cost and easy installation.
- The overlay surface of CCO plate will consist of a series of beads with numerous hairline cracks in them. The cracks propagate through the overlay and end at the fusion line.





Armorite® Smooth Conveyor Wear Plates



X-Wear™ Ceramic Wearplate



X-Wear™ Urethane Magnetic Wear Liners and Patches



AR™ 400 Hardox Steel Internal Skirtboard Liners



Armorite® Chocky Conveyor Wear Bars



DURA-TUFF™ Urethane Canoe Liners



X-Wear™ Urethane Magnetic Wear Liners



Chromium Carbide Overlay (CCO) Wear Plate