

ASGCO[®]

Complete Conveyor Solutions

*Providing the World Bulk Material Handling Industry
with Productive, Safe and Reliable "Complete Conveyor Solutions."*

wear solutions



Our Mission. . .
Providing the World Material Handling Industry with Productive, Safe and Reliable "Complete Conveyor Solutions"



Engineered Conveyor Products & Services for Bulk Material Handling Systems



www.asgco.com 800.344.4000

ASGCO® Manufacturing, Inc. headquartered in Allentown, PA is a leading manufacturer of proprietary bulk conveyor components and accessories that enhance material flow performance. Founded in 1971 by Alfred S. Gibbs and his son Todd Gibbs, ASGCO® believes in taking care of the customer with great quality products and exceptional service. This has been a successful and standard policy at ASGCO® for many years and will continue in the future.

ASGCO® is a diversified and innovative company with six major divisions that serve specific targets of the material handling industry. We market these innovative products and services through selected distributors, joint ventures, and representatives worldwide. The growth of the company, over the years, is due to recognized improvements in the productivity of our customers operations.

Every material handling system has conditions — either large or small, constant or intermittent, open or obscure — that an ASGCO® study can identify and improve. We also believe that a consulting study will provide improvements that will be a wise investment. That's because, no matter what the basic assignment, we always seek out ways to increase production and to reduce operating costs.

We typically start these services with a thorough on-site inspection to observe the operation and gather data. Next, we analyze and study the data, and often search for additional information. The end result: recommendations for new procedures and improved equipment — all aimed at providing solutions that can be pragmatically implemented.

ASGCO® will continue to serve the needs of the traditional bulk materials industry. Every client can be assured that ASGCO® bases it's reputation on quality service and products. We promise that we will not just meet, but exceed your expectations in helping our customers increase production and reduce operating costs.

THE ASGCO® PROMISE - applies to every client, every time.
 Always think and work in terms of solutions that are best for the customer in the long term.
 Provide prompt, reliable service to every client, every time.
 Develop and sell products that satisfy the practical working needs of our customers.

- | | | |
|---------------------------|-----------------|----------------------|
| Industries Served: | • Coal | • Bulk Shipping |
| | • Iron Ore | • Cement & Aggregate |
| | • Power | • Pulp & Paper |
| | • Copper & Gold | • Minerals |
| | • Steel | • Recycling |



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ASGCO® Conveyor Wear Liners products are the longest lasting, most cost effective in the industry!

Bulk handling conveyor belts have many applications in today's mining and quarry industries. Because of their reliability, versatility, and range of capacities; belt conveyors are the most common type of bulk handling conveyor belt system. Wear Liners are designed to be an integral part of any bulk handling conveyor system.

ASGCO® manufactures a variety of conveyor wear liners with many options and sizes to choose from. Designed to handle any tough hard rock mining application. Abrasion resistant, modular, high-wear material to line belts, chutes, and bin impact areas; ASGCO® wear liner products are the longest lasting, most cost effective in the industry.

Armorite™ (White Iron)



Armorite™ is an extremely hard, laminated bi-metallic, impact and wear resistant composite, which has a nominal hardness of 700 burnell (63Rc) produced by combining a highly alloyed chromium-molybdenum white iron (to AS 2027 15/3 Cr/Mo) and metallurgically bonding it to a mild thick steel backing plate. The resultant bond possesses high shear strength of over 250 Mpa and will not separate.

Armorite® Product Benefits:

- Lower operating costs
- Longer Service when compared to conventional materials
- Increased production
- Improved product efficiency
- Increased equipment availability
- Prevent damage to loading area

X-Wear™ (Ceramic/Rubber)



ASGCO® **X-Wear** will substantially reduce your operating costs when compared to any other lining material. The smooth laminar surface of X-Wear provides the optimum sliding surface for bulk material handling. Forget UHMW and other plastics that distort, buckle and wear out. The low coefficient of friction and dimensionally stable surface of X-WEAR will provide years of maintenance-free service.

X-Wear™ Product Benefits:

- Easy To Install
- Reduces Noise
- Reduces Downtime
- Unsurpassed Resistance
- Impact Resistant
- Smooth Surface
- Longest Wear Life Available

ASGCO-thane™ (Urethane)



The **ASGCO-thane™** is considerably tougher than plastic and the one step molding process is more economical than machining blocks of plastic. Tooling for compression molded parts is very inexpensive in comparison to other forms of molding. ASGCO® makes all of its compression molds here in our own machine shop. We mold all of our standard and custom formulas as well as our entire range of durometers, 20A to 80D.

ASGCO-thane™ Product Benefits:

- Considerably tougher than plastic.
- Abrasion Resistant
- Corrosion resistant, will not rust
- Lightweight and easy to install
- Operate safely within a wide temperature range
- Can be made for custom applications.



ASGCO® Armorite® is GUARANTEED to Last 5-6 Times Longer Than Ar500!!

Armorite® is an extremely hard, laminated bi-metallic, wear resistant composite, which has a nominal hardness of 700 burnell (63Rc) produced by combining a highly alloyed chromium-molybdenum white iron (to AS 2027 15/3 Cr/Mo) and metallurgically bonding it to a mild thick steel backing plate. The resultant bond possesses high shear strength of over 250 Mpa and will not separate.

Armorite® provides maximum impact and abrasion protection in high wear areas, with the mild steel backing cushioning the white iron enabling it to withstand impact. Armorite® is easily weldable to areas of the conveyor system with minimal preparation providing unsurpassed resistance to abrasive bulk material wear.



Armorite® Typical Bond Zone Product Features:

- White iron: Modified AS2027 15/3 Cr Mo
- Vacuumed brazed and liquid nitrogen cooled to achieve a high strength joint
- Mild steel backing offers strength, machinability, and impact resistance
- Can be welded in place, through-bolted, stud bolted, drilled, tapped, keyed
- Ease of fitment, very versatile



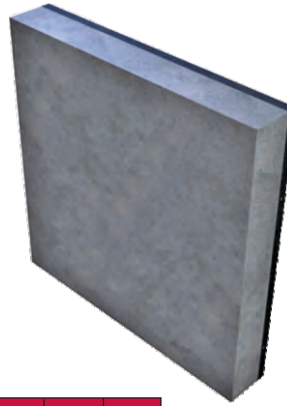
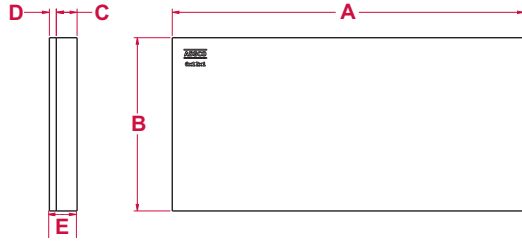
Armorite™ Benefits

- Lower operating costs
- Longer Service when compared to conventional materials
- Increased production
- Improved product efficiency

Armorite™ Applications

- Chute Linings
- Rock-Box Edges
- Grizzly Caps/Screens
- Transfer Points
- Impact Plates
- Distributor Plates
- Arm/Hub Liners
- Bin Liners
- Hopper Wear Plates
- Divider/Splitter Bars
- General Wear Protection
- Liner Panels
- Wear Plates
- Wear Bars
- Shaped Wear Bars
- Skid Bars
- Grizzly Bars
- Chocky Bars
- Wear Buttons
- Wear Donuts
- Shredder Tips
- Knife Edges

Armorite™ Smooth Liners



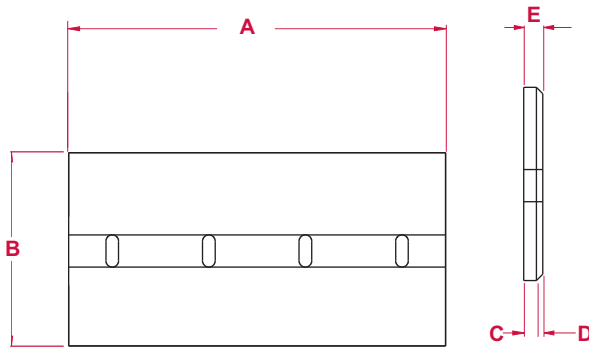
Armorite™ Smooth Liners present a very cost effective method of extending wear life in chutes, hoppers, bins, impact walls and screen plates.

- Extreme abrasion resistance across a range of applications
- Custom designs to meet customer requirements
- Optional Nelson studs supplied ex works
- Liner size allows for localized replacement in high wear areas.
- Reduced downtime & reduced maintenance costs
- Longer service when compared to conventional materials

Part Number	Description	A Length	B Width	C Thick	D Thick	E Total	Wt Lbs
ASG-AMR-6X12X1	Wear Plate	12"	6"	5/8"	3/8"	1"	19
ASG-AMR-12X12X1	Wear Plate	12"	12"	5/8"	3/8"	1"	9.5

Custom sizes available at customers request.

Armorite™ Skirtboard Liners



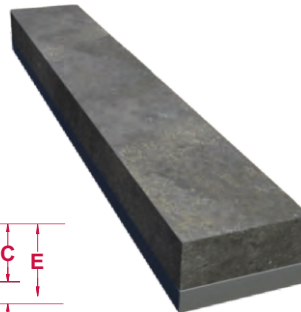
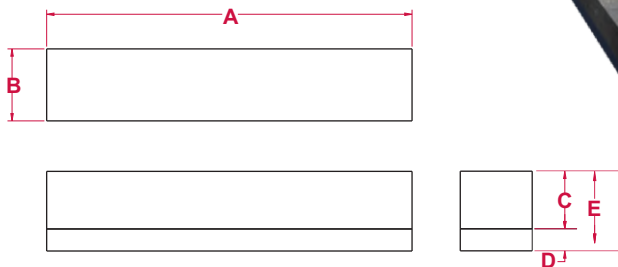
Armorite™ Skirt Liners protect your skirtboard and provide a significantly longer wear life than currently used skirt liners. The skirt liner is produced from 5/8" thick Armorite™ that is enhanced with a 3/8" thick mild steel producing a product that is 700 BHN with a high impact resistance. It can be used for all conveyors and transfers where the eradication of spillage or centralization of load is required.

- Reduces downtime and maintenance costs
- Designed to be rotated 180° for longer wear life
- Custom sizes available
- For all conveyors and transfer points

Part Number	Description	A Length	B Width	C Thick	D Thick	E Total	Wt Lbs
ASG-AMR-30X12X23.5	Skirtboard Liner	23-1/2"	12"	5/8"	3/8"	1-1/8"	84

Custom sizes available at customers request.

Armorite™ Wear Bars



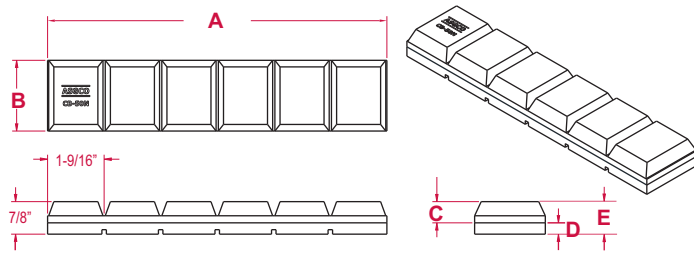
Armorite™ Wear Bars and Grizzly Bar Caps are available in a range of thicknesses and lengths. Used in grizzly screens, chutes, hoppers, bins, rock box edges and other high wear applications.

- Superior wear life when compared to conventional alloys used such as manganese steel, clad overlay and other alloys
- Cost effective method for protecting your equipment
- Variety of simple, rugged sizes and shapes available
- Ideal for aggregate & coal mining applications
- Reduces conveyor downtime and maintenance

Part Number	Description	A Length	B Width	C Thick	D Thick	E Total	Wt Lbs
ASG-AMR-50X2X29	Wear Bar	9"	2"	1-5/8"	3/8"	2"	10

Custom sizes available at customers request.

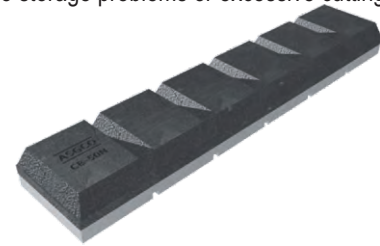
Armorite™ Chocky Bars



Armorite™ Chocky Bars offer protection on contoured surfaces such as chute linings, buckets, loaders, excavators and dragline machines.

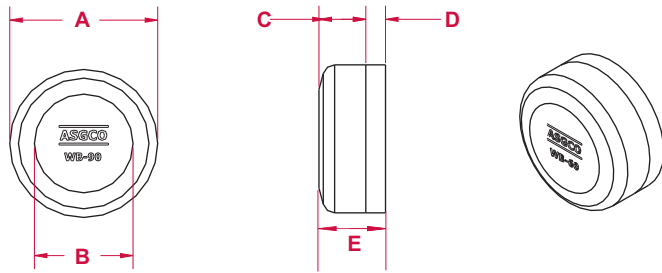
- Easy formation to convex or concave surfaces with the notched mild steel backing plate
- No pre-heating or post-heating required when welding bars in place
- Cost effective method for protecting your equipment
- No storage problems or excessive cutting

Part Number	Description	A Length	B Width	C Thick	D Liner	E Total	Wt Lbs
ASG-AMR-CB-40N	Ntchd. Chocky Bar	9-7/16"	1½"	5/8"	5/16"	15/16"	3
ASG-AMR-CB-50N	Ntchd. Chocky Bar	9-7/16"	2"	5/8"	5/16"	15/16"	3.5
ASG-AMR-CB-65N	Ntchd. Chocky Bar	9-7/16"	2½"	5/8"	5/16"	15/16"	5.5



Custom sizes available at customers request.

Armorite™ Wear Buttons



Armorite™ Wear Buttons are a circular domed shape wear part that provides maximum protection while minimizing the effects of impact. The round shape virtually eliminates any chance of a weld cracking.

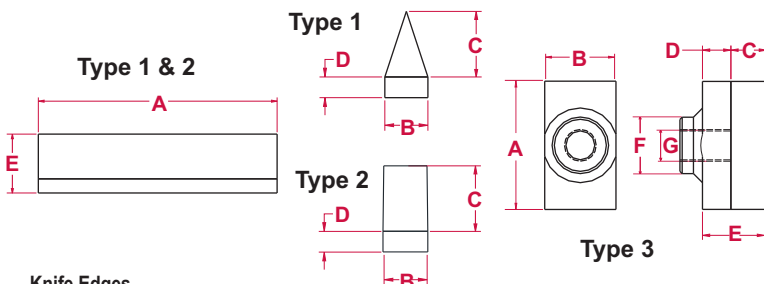
- Ideal for small impact and wear areas
- Easy to use and install with no pre or post heating
- Great alternative to labor intensive hard facing
- Available in diameters from 60mm up to 150mm

Part Number	Description	A Diameter	B Length	C Width	D Thick	E Total	Wt Lbs
ASG-AMR-WB-90	Wear Button	3-9/16"	1-3/16"	3/8"	3/8"	6/8"	3.3



Custom sizes available at customers request.

Armorite™ 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 Re-cycling industries.

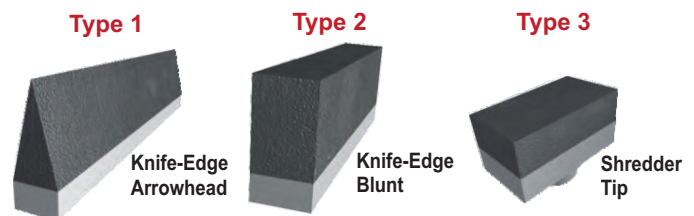
- Cane knife edges and tips are easy to install and maintain
- Increased production and shredding efficiency
- Maintain sharp edges from the start of use and retain their edge sharpness and cutting efficiency longer than hard facing

Knife Edges

Part Number	Type	Dimensions					Wt Lbs
		A	B	C	D	E	
ASG-AMR-KEB-8X1-A Arrow Head	1	8"	1"	1½"	½"	2"	5.5
ASG-AMR-KEB-8X1-A Blunt	2	8"	1"	1½"	½"	2"	5.5

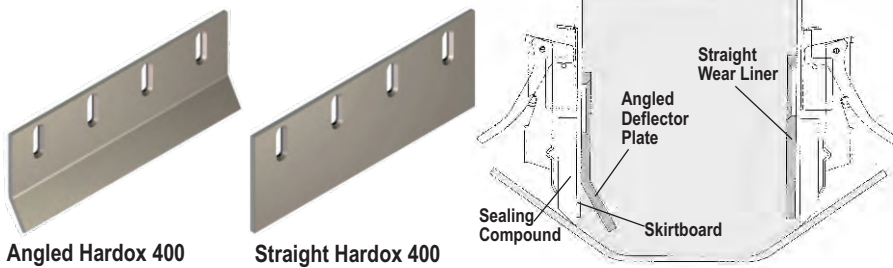
Shredder Tips

Part Number	Type	Dimensions							Wt Lbs
		A	B	C	D	E	F	G	
ASG-AMR-ST-3X2X2	3	3½"	2"	1"	¾"	1¼"	1-5/8"	7/8-14 UNF	5.5



Custom sizes available at customers request.

Armorite™ AR



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

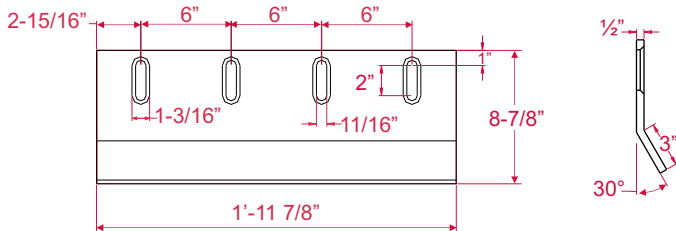
Part Number	Description	Wt. Lbs.
ASG-SKRT-LIN-HAR-24-1/2-A	Deflector Wearplate, Hardox 400, Angled	30
ASG-SKRT-LIN-HAR-24-1/2-S	Deflector Wearplate, Hardox 400, Straight	30

Custom and other sizes and stainless steel also available

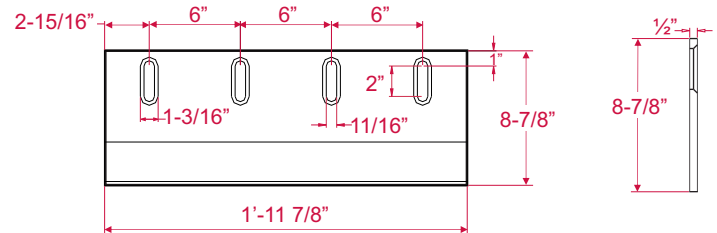
- Lowest Cost Per Ton
- Material Flow with smooth laminar surface
- Reduces downtime
- Corrosion resistant
- Retrofit to worn out chutes and hoppers

Custom sizes available at customers request.

Angled Skirtboard Liner



Straight Skirtboard Liner



Armorite® Welding Details

1. Ensure that the surface to which the Armorite® will be attached is as flat as possible and the area to be welded is clean.
2. **Clamp and tack weld** Armorite® into position.
3. Stitch weld, laying 2" (51mm) max length on each run, alternating ends or similar to minimize heat input. Do NOT deposit weld within 2mm from the joint line between white iron and steel backing plate (Fig.1).
4. **Do NOT weld continuously** - Continuous welding may cause warpage, delamination and cracking.
5. If a complete peripheral weld is required, use stitch weld method as per step 3.
6. Welding rods: **ASGCO® recommends low hydrogen weld rods or gas covered cored wire.**
 - Gas shielded solid MIG wire - 3/64" (1.2mm) dia. max.
 - Flux cored wire - 1/16" (1.6 mm) dia. max.
 - Low hydrogen electrode - 1/8" (3.25 mm) dia. max.

We recommend you always use a soft-face hammer and ANSI-approved (Z87.1) eye protection during cutting and bending procedures.

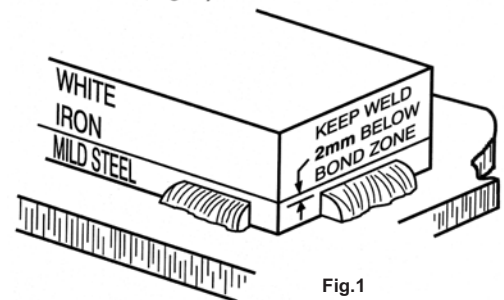


Fig.1

Welding Procedure Overview:

1. Read procedure completely.
2. Tack weld into position.
3. Stitch weld with 2" (51mm) max. length on each run.
4. Maintain 2mm gap between weld and joint line.
5. Complete peripheral weld if required.

CAUTION! Too much heat input may cause cracking and separation.

Armorite® Cutting Details

High pressure abrasive water jet cutting is preferred cutting method. Thermal cutting using an oxyacetylene torch, Arc-air or plasma is **NOT** recommended due to high localized heat input and high risk of cracking and delamination.

For Armorite® no greater than 25mm section thickness, cutting by Abrasive disc is an accepted practice.

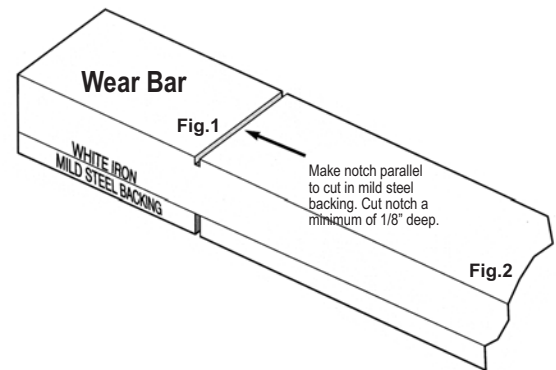
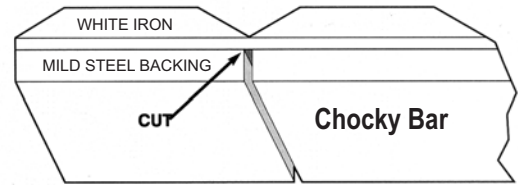
CAUTION. Extreme care must be taken when cutting to minimize local pre-heating or cracks and delamination may occur.

Cutting Procedure <25mm Section Thickness

1. Secure the Armorite® piece to be cut in a vice or clamp.
2. Cut the backing plate as shown in Figure 2.
3. Notch the White Iron a minimum of 3mm deep opposite the notch in the backing plate, as per Figure 1.
4. Wrap the Armorite® with a rag and carefully hit using a soft face Hammer. The piece should break cleanly at the notch.

We recommend you always use a soft-face hammer and ANSI-approved (Z87.1) eye protection during cutting and bending procedures.

Note: The deeper the notch in the white iron, the cleaner the break

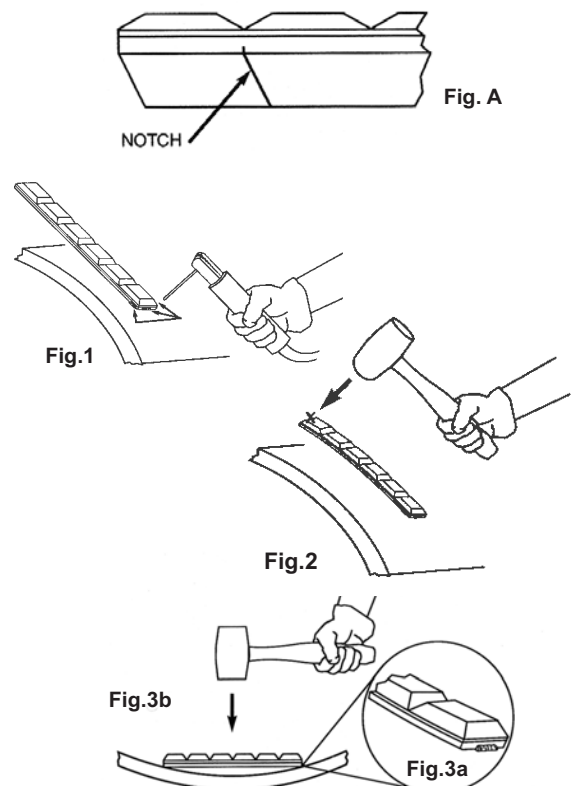


Armorite® Bending Details

1. Clean the surface to which "chocky" bar will be welded.
- 2a. **For outside curves:** Tack weld one end of "chocky" bar (per welding procedures) in at least 3 places using at least **15mm** of weld in each deposit (**Fig.1**). Hammer down unwelded end of bar so that the bar bends and follows the curve (**Fig.2**).
- 2b. **For inside curves:** Tack weld one end of "chocky" bar (per welding procedures) in at least 3 places using at least **15mm** of weld in each deposit (**Fig.3a**). Starting in the center strike bar so that the bar bends and follows the curve (**Fig.3b**).
3. **For inside curves:** Stitch weld (per welding procedures) until bar is firmly in place.

We recommend you always use a soft-face hammer and ANSI-approved (Z87.1) eye protection during cutting and bending procedures.

NOTE:
FOR EXTREME CURVES (RADIUS LESS THAN 12" [305MM]), OR INSIDE CURVES, IT IS ADVISABLE TO USE THE PRE-NOTCHED "CHOCKY BARS OR TO NOTCH THE MILD STEEL BACKING PLATE OPPOSITE THE "V" TO ASSIST BENDING (Fig. A).



NOTE: White iron may crack during bending. This is normal.



The Wear and Impact Resistant Alternative That Makes Steel and Chromium Carbide Wearplate Obsolete!

ASGCO® has developed a unique impact and wear resistant liner which features the excellent wear resistant properties of ceramics combined with the superior energy-absorbing characteristics of rubber. X-Wear™ sets new standards of performance in the toughest industrial applications.

Operating cost reductions of 25-90% are typical when X-Wear™ is used to replace steels, chrome carbide overlays, rubber, and urethane. ASGCO® X-Wear™ will substantially reduce your operating cost when compared to any other lining material.

X-Wear™ Ceramic liners have proven to be cost effective compared to all types of lining materials including manganese, NI-hard and high Brinell carbon steel plate in applications ranging from primary crushed ore to abrasive slurry or fine sand.

These liners also provide significant reductions in noise pollution compared to steel liners and are extremely versatile and are suitable for many types of installations.

Lowest Cost Per Ton Guaranteed!

Use the following formula to compare X-Wear™ to your current system:

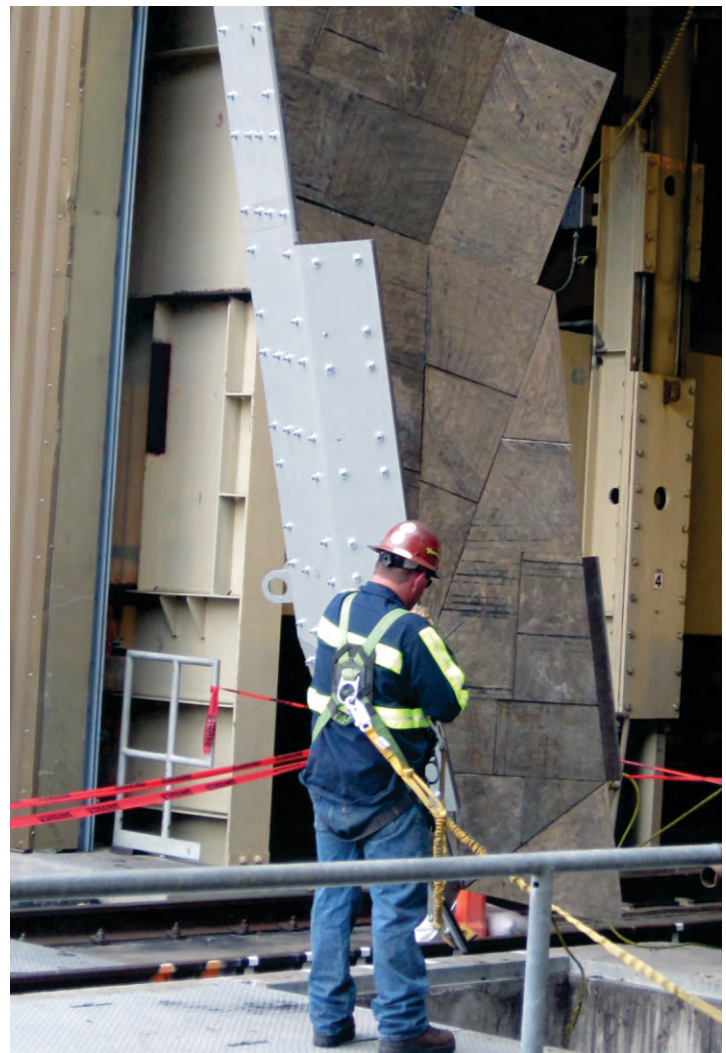
$$\frac{\text{Material Cost} + \text{Installation} + \text{Downtime}}{\text{Tons Handled}} = \text{CPT}$$

X-Wear™ Typical Installations

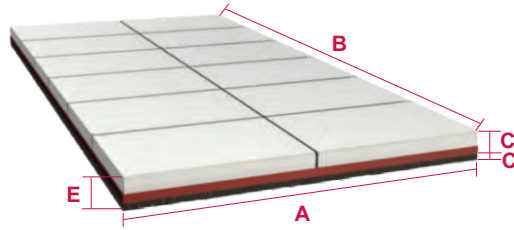
- Transfer points in conveyor systems
- Screen chutes
- Deflectors Feeders
- Crusher Main Frame Liners
- Screen Feed Box Liners
- Discharge Lip Liners
- Launder Liners
- Chute Liners
- Dead Bed Lip Liners

Benefits of Using X-Wear™

- No Welding
- Easy Installation
- Light Weight
- Reduces Noise
- Corrosion Resistant
- Impact Resistant
- Smooth Surface
- Longest Wear Life Available
- No Waste, Reduces Inventory



X-Wear™ Ceramic Liners



Part Number	A Width	B Length	C Ceramic Thickness	D Steel Thickness	E Total	Wt Lbs.
ASG-XW-12X12X2	12"	12"	2"	2-3/8"	2 1/4"	47
ASG-XW-12X12X1	12"	12"	1"	1-3/8"	1 1/4"	29
ASG-XW-12X12X3/4	12"	12"	3/4"	1-1/8"	1"	25
ASG-XW-12X12X1/2	12"	12"	1/2"	7/8"	3/4"	21

Custom sizes available at customers request.

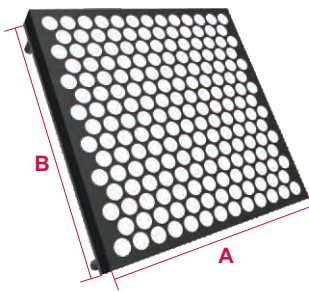
ASGCO® X-Wear™ Ceramic is a resilient wear resistant panel made up of high density abrasion resistant ceramic bonded to a mild steel backing plate with impact resistant urethane compound. It easily out performs steel, chromium carbide overlays and conventional ceramics.

ASGCO® X-Wear™ Ceramic will substantially reduce your operating costs when compared to any other lining material. The ceramic is bonded to a 1/4" steel plate using impact resistant urethane epoxy.

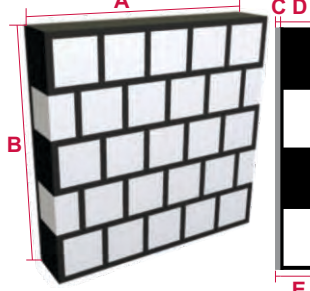
- X-Wear™ is lightweight and easy to install
- The smooth laminar surface provides the optimum sliding surface and material flow for material handling.
- The remarkable structural integrity of X-Wear™ makes it ideal for direct retrofitting without expensive repairs
- Lowest cost per ton

X-Wear™ Mine Duty Ceramic Wear Liners

Round 1/4" Ceramic



Square 2 1/4" Ceramic



Part Number	A Width	B Length	C Ceramic Thickness	D Liner Thickness	E Total	Wt Lbs
ASG-12X12X1.25-MDX	12"	12"	1"	1/4"	1 1/4"	20
ASG-12X12X2.25-MDX	12"	12"	2"	1/4"	2 1/4"	40

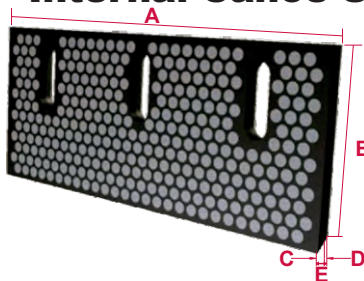
Custom sizes available at customers request.

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

ASGCO® X-Wear™ Mine Duty Conveyor Wear Liners are manufactured to fit into existing applications and can be easily installed by studs welded to the backing plate, counter bored holes molded into the liner, or by welding.

- Advanced hard ceramic wearplate
- 1/4" steel backing suitable for stud welded mounting studs
- Excellent wear protection for tough mining conditions
- Unsurpassed abrasion resistance
- Unique zigzag pattern prevents wear channeling
- Plates are available with factory welded studs
- Longest wear life available

X-Wear™ Internal Canoe Skirt Liners™



Part Number	A Width	B Height	C Ceramic Thickness	D Steel Thickness	E Total	Wt Lbs.
ASG-12X24X1.25-MDX-C	24"	12"	1"	1/4"	1 1/4"	40
ASG-12X36X1.25-MDX-C	36"	12"	1"	1/4"	1 1/4"	60

Custom sizes available at customers request.

ASGCO® X-Wear™ Internal Conveyor Canoe / Skirt Liners are highly effective for sealing inside the skirtboard, controls the material until it becomes stable and protecting the skirt wall from wearing. The liner is comprised of a 1/4" mild steel backing plate that is vulcanized to an abrasion / impact resistant 60 durometer rubber (or urethane) with a ceramic cylinder (or squares) matrix.

- Optimum sealing inside the skirtboard
- Easy to handle and install
- Single or double beveled edge for reversible wear life
- Impact and abrasion resistant
- Modular section design for easy replacement



ASGCO® Urethane Products are the Highest Urethane Compound on the Market!

ASGCO® Urethane has been manufacturing polyurethane injection molding parts for several industries. Injection **molded polyurethane** products have been produced for various industrial sectors including mining, transportation, building and construction, machinery and foundry, textiles, fiberglass, steel and aluminum and seals. We mold all of our standard and custom formulas as well as our entire range of durometers, 20A to 80D.

The diverse properties of castable polyurethane make it the leading choice of engineers looking for long lasting materials for their high load, high stress environments. Polyurethane routinely outperforms plastic, rubber and steel in its overall ability to resist harsh environmental factors such as abrasion, heat, solvents, oil and acid. In addition, polyurethane's noise abatement ability makes it the preferred material in chain-drive designs, conveyor belt systems and assembly line environments. In today's manufacturing environments where the cost of downtime is measured in thousands of dollars per hour, polyurethane's incredible durability actually increases your company's profitability.



Compression molding responds to a wide range of product sizes, shapes and performance requirements. Our molded polyurethane parts reduce the time and expense of machining parts from solid stock plastic.

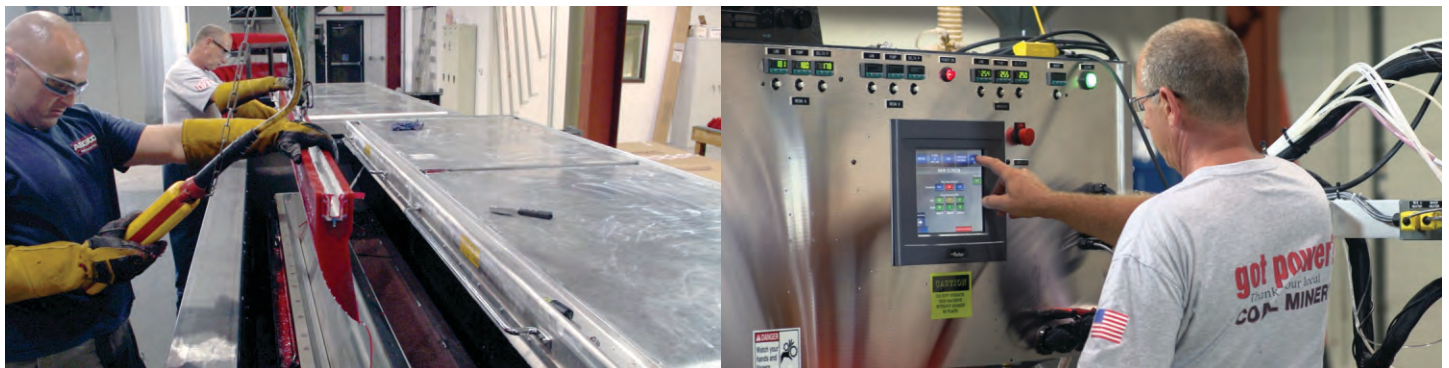
If you are seeking a world-class polyurethane manufacturer and a leader in molded polyurethane products and technology, then ASGCO® is here to help. We offer a vast array of polyurethane compounds for your polyurethane molded parts.

Polyurethane molding produces a wide variety of products for most industries. ASGCO® Urethane has been the polyurethane specialist that companies around the world have depended on to gain all of the advantages of polyurethane for a wide range of parts.

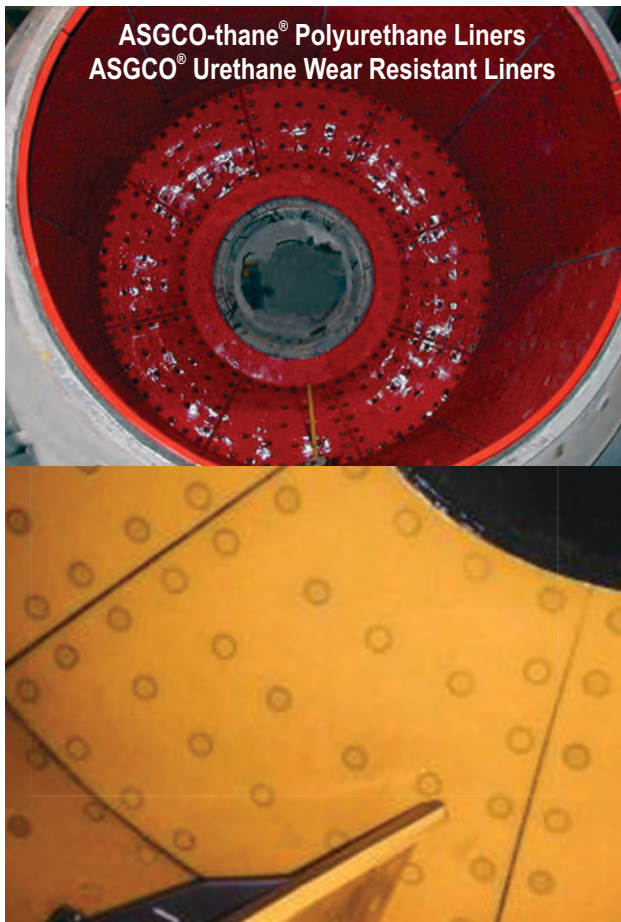
Edge Over Plastics	Edge Over Metals	Edge Over Rubber
High Impact Resistance	Reduced Weight	High Cut and Tear Resistance
Superior Abrasion Resistance	Superior Abrasion Resistance	Superior Abrasion Resistance
Resilience	Non Marking	Oil Resistance
Superior Flex Properties	Lower Fabrication Costs	Higher Load Bearing Capacity
Noise Reduction	Noise Reduction	Resilience
Low Pressure Tooling	Corrosion Resistant	Low Pressure Tooling
Lower Fabrication Costs	Non Marking	Non Marking
Greater Load Bearing	Non Conductive	Ozone Resistance

Your possibilities with our varied polyurethane molding options are almost limitless, including compression, transfer and injection molded, extruded or calendared.

- Custom molding of cast polyurethane
- Polyurethane product design and development
- Polyurethane mold making and machining



Urethane Sheets & Linings



Our **ASGCO-thane® Polyurethane Liners** are custom manufactured to solve wear issues related to bulk transport of many types of materials. Urethane's exceptional abrasion resistance makes it an ideal solution for protecting metal hoppers and chutes from abrasive compounds, as well as great for sticky materials.

ASGCO® Urethane wear resistant liners are designed to provide producers with long-lasting protection that resists impact, abrasion, and build-up of concrete, while also offering ease of installation and reduction of costly maintenance and downtime. Liners include rotary distributor (turn head), aggregate and sand bins, weigh batcher, drum, blade, dump cone, loading hopper, transfer chute, and more.

- Engineering and design services
- In house machining and fabrication services
- Bolt-in or weld-in liners made-to-size to fit your wear applications
- Urethane liners greatly reduce concrete build-up inside concrete mixers and hoppers and provides for easy clean-up at the end of the day
- Urethane outlasts steel many times over, reducing maintenance costs
- Lightweight compared to steel for easy installation
- Urethane liners have a low coefficient of friction resulting in lower amperage draw to turn the loaded mixer
- Ceramic beads or plates can also be added for additional abrasion resistance.

ASGCO-thane® Varieties:

• Non-Reinforced:

Non-reinforced sheets have no backing. They are the most lightweight and flexible of all Diamondback® sheet types and can be hand-formed.

Non-reinforced sheets are available in 4' x 8' sheets or custom sizes can be made per customer requirements. Thickness can range from 1/8 to 1 inch.

• Expanded Metal Backed:

Expanded Metal-backed sheets are backed with 16-gauge steel that makes them more rigid and flat. The metal backing also provides a structurally sound "stopping point" for bolt heads.

Expanded Metal sheets are available in 4' x 8' sheets or custom sizes can be made per customer requirements. Thickness can range from 1/8 to 1 inch.

• Perforated Metal Plate:

ASGCO-thane® sheets are backed with perforated metal. The small openings accommodate self-tapping metal screws.

Expanded Metal- sheets are available in 4' x 8' sheets or custom sizes can be made per customer requirements. Thickness can range from 1/8 to 1 inch.

• Weldable or Stud-Welded Studded Metal Plate:

Metal plates (1/4") welded to the back of these urethane sheets allow them to be welded or bolted onto metal surfaces.

Metal- sheets are available in 4' x 8' sheets or custom sizes can be made per customer requirements. Thickness can range from 1/8 to 1 inch.

Contact ASGCO® today to discuss our ASGCO-thane® polyurethane sheet products. Our knowledgeable sales team can help you find the right urethane or other wear products to provide a solution to fit your needs.

ASGCO® Urethane Classifier Shoes



Custom sizes available at customers request.

ASGCO® **Urethane Classifier Shoes** feature a tapered design to provide more of 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, lower operating costs, resulting in higher productivity and profits.

- Abrasion resistant high grade urethane lasts longer
- Ceramic beads can also be added to the edges
- Reduces maintenance downtime which lowers your cost per ton of material processed.
- Corrosion resistant urethane materials will not rust
- Operate safely within a wide temperature range - (sub-zero to +180°F) the shoes remain flexible
- Interchangeable - between right and left hand screws, reducing inventories.
- Can be used as replacement wear parts on classifiers and screw conveyors in OEM equipment.

Urethane Cast Rollers and Pulleys



Cast Urethane & Polyurethane Roller Specs:

- Durometer (hardness) from 20A to 70D
- Custom Formulations Available
- Variety of Colors

ASGCO® manufactures **Urethane Cast Rollers and Pulleys** as per customer requirement under strict confidentiality agreements with our customers, respecting any and all patents on the products they have designed and given us the opportunity to manufacture.

ASGCO® produces a wide range of urethane rollers including: conveyor pulleys, rollers, wheels, V-rollers, nip rollers, idler rollers, feed rollers, pulleys, drive wheels, ringer rollers, and custom shaped rollers.

ASGCO®'s in-house machine shop - provides the ability to fabricate new rollers, as well as re-cover existing rollers. Our precision grinding insures required dimensional tolerances and surface finish. Our urethane comes in a variety of colors.

Design assistance available.

Custom Cast Parts



ASGCO® can custom design and manufacture virtually any type of commercial and industrial cast urethane part. Our wide variety of materials and processing methods allow for a wide range finished products from urethane bonded to metal parts, dual durometer urethane parts and or variety of hardnesses and colors.

Cast urethane offers a longer service life compared to metal or plastic. The hardness of cast urethane parts varies from Shore 35A – Shore 80D. We offer custom urethane parts to meet the most demanding of engineered specifications.

Industries include:

- Mining
- Cement and concrete
- Marine
- Pipelines
- Material Handling

Efficient. Safe. Productive.

Bulk handling conveyor belts have many applications in today's mining and quarry industries. Because of their reliability, versatility, and range of capacities; belt conveyors are the most common type of bulk handling conveyor belt system. Wear liners are designed to be an integral part of any bulk handling conveyor system.

ASGCO® manufactures a variety of conveyor wear liners with many options and sizes to choose from. Designed to handle any tough hard rock mining application. Abrasion resistant, modular, high-wear material to line belts, chutes, and bin impact areas; ASGCO® wear liner products are the longest lasting, most cost effective in the industry.

Need solutions to improve efficiency, safety and productivity?

ask...

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