GRIZZLY™ SCREW-SPLICE

INNOVATIVE SOLUTION FOR FAST CONVEYOR BELT SPLICING

ASGCO® Complete Conveyor Solutions

GRIZZLY™ SCREW-SPLICE

The Grizzly™ Screw-Splice is a strong and flexible rubber splice that screws directly on the conveyor belt, with great accuracy and precision.

The Grizzly™ Screw-Splice conveyor belt splicing and fastening system delivers power, strength, and flexibility in every application. It is the perfect fastener to save you time and money while allowing a quick, accurate, and easy installation. ASGCO®'s Grizzly™ Screw-Splice outperforms competitor's products by offering more tensile strength and durability.



Grizzly™ Screw-Splice



PZ Bit

Grade 5 Galavanized Steel Screws

Also Available



DURA-TUFF™ Grizzly™ Screw-Splice Urethane Top Cover

FEATURES AND BENEFITS

- **Quick installation**
- **No expensive equipment required**
- **No drilling and no template**
- **Wear and cut resistant**
- **High tensile strength**
- **Strong & Flexible –** *higher PIW combined with smaller pulley diameter requirements than other fasteners*
- **High-heat belt up to 400°F (204°C)**
- **Compatible with conveyor belt scrapers**
- **Leak-proof –** *no hinge pin to allow material sifting*
- **Low temp to -20°F (-28°C)**
- **Available per inch or in complete roll length**



Available per inch or in complete roll









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GRIZZLY™ SCREW-SPLICE

AVAILABLE RUBBER COMPOUND TYPES

Abrasion Resistant (AR)
Our standard highly abrasion resistant rubber compound used in quarries, mining, recycling and other high impact and abrasion applications.

Heat Resistant (HTR)
High temperature, 400°F (204°C) rubber compound used in cement plants, foundries, chemical processing and other high temperature applications.

Low Temperature (LT)
Our low temperature resistant rubber compound is ideal for conveying bulk material at -20°F (-28°C).

Bare Back (BB)
Low friction fabric backed with rubber top cover suitable for steel or low friction slider bed applications.

Stainless Steel (SS)
Non-magnetic stainless steel or magnetic stainless steel (for special application).

Moderately Oil Resistant (MOR)
Engineered to endure exposure to oils with minimal swelling or deterioration—ideal for diverse applications.

Straight-Warp (SW)
Highly abrasion-resistant rubber compound combined with a Straight Warp carcass to provide a 60% increase in breaking strength for added durability and performance in demanding conditions.

GRIZZLY™ Screw-Splice I Per Inch

Part Number	Description	Belt Thickness	PIW
ASG-GSS-35-AR	Abrasion Resistant	5/32" to 1/2" (3.97 to 12.7 mm)	200
ASG-GSS-35-AR-SS	Stainless Steel	5/32" to 1/2" (3.97 to 12.7 mm)	200
ASG-GSS-63-AR	Abrasion Resistant	5/32" to 1/2" (3.97 to 12.7 mm)	375
ASG-GSS-63-HTR	Heat Resistant	5/32" to 1/2" (3.97 to 12.7 mm)	375
ASG-GSS-63-AR-BB	Bare Back	5/32" to 1/2" (3.97 to 12.7 mm)	375
ASG-GSS-63-AR-SS	Stainless Steel	5/32" to 1/2" (3.97 to 12.7 mm)	375
ASG-GSS-63-MOR	Moderately Oil Resistant	5/32" to 1/2" (3.97 to 12.7 mm)	375
ASG-GSS-63-AR-SW	Straight-Warp	5/32" to 1/2" (3.97 to 12.7 mm)	375
ASG-GSS-65-LT	Low Temperature	5/32" to 1/2" (3.97 to 12.7 mm)	375
ASG-GSS-80-AR	Abrasion Resistant	5/32" to 19/32" (3.97 to 15.08 mm)	440
ASG-GSS-80-HTR	Heat Resistant	5/32" to 19/32" (3.97 to 15.08 mm)	440
ASG-GSS-85-LT	Low Temperature	5/32" to 19/32" (3.97 to 15.08 mm)	440
ASG-GSS-100-AR	Abrasion Resistant	5/32" to 19/32" (3.97 to 15.08 mm)	700
ASG-GSS-100-HTR	Heat Resistant	5/32" to 19/32" (3.97 to 15.08 mm)	700
ASG-GSS-100-MOR	Moderately Oil Resistant	5/32" to 19/32" (3.97 to 15.08 mm)	700
ASG-GSS-100-AR-SW	Straight-Warp	5/32" to 19/32" (3.97 to 15.08 mm)	700
ASG-GSS-180-AR	Abrasion Resistant	9/32" to 13/16" (7.14 to 20.64 mm)	1050
ASG-GSS-180-HTR	Heat Resistant	9/32" to 13/16" (7.14 to 20.64 mm)	1050
ASG-GSS-200-AR	Abrasion Resistant	5/8" - 7/8" (.625 to .875 mm)	1200

GRIZZLY™ Screw-Splice I Per Roll

Part Number	Type	Description	PIW	Inches Per Roll
ASG-GSS-35-AR-RL	35AR	Abrasion Resistant	200	984
ASG-GSS-35-AR-SS-RL	35SS	Stainless Steel	200	984
ASG-GSS-63-AR-RL	63AR	Abrasion Resistant	375	984
ASG-GSS-63-HTR-RL	63HTR	Heat Resistant	375	984
ASG-GSS-63-AR-BB-RL	63BB	Bare Back	375	984
ASG-GSS-63-AR-SS-RL	63SS	Stainless Steel	375	984
ASG-GSS-63-MOR-RL	63MOR	Moderately Oil Resistant	375	984
ASG-GSS-63-AR-SW-RL	63SW	Straight-Warp	375	984
ASG-GSS-65-LT-RL	65LT	Low Temperature	375	984
ASG-GSS-80-AR-RL	80AR	Abrasion Resistant	440	984
ASG-GSS-80-HTR-RL	80HTR	Heat Resistant	440	984
ASG-GSS-85-LT-RL	85LT	Low Temperature	440	984
ASG-GSS-100-AR-RL	100AR	Abrasion Resistant	700	984
ASG-GSS-100-HTR-RL	100HTR	Heat Resistant	700	984
ASG-GSS-100-MOR-RL	100MOR	Moderately Oil Resistant	700	984
ASG-GSS-100-AR-SW-RL	100SW	Straight-Warp	700	984
ASG-GSS-180-AR-RL	180AR	Abrasion Resistant	1050	600
ASG-GSS-180-HTR-RL	180HTR	Heat Resistant	1050	600
ASG-GSS-200-AR-RL	200AR	Abrasion Resistant	1200	600

DURA-TUFF™ GRIZZLY™ Screw-Splice I Per Inch

Part Number	Description	Belt Thickness	PIW
ASG-GSS-63-AR-DT	Abrasion Resistant with Dura-Tuff™ Top Cover	5/32" to 1/2" (3.97 to 12.7 mm)	360
ASG-GSS-80-AR-DT	Abrasion Resistant with Dura-Tuff™ Top Cover	5/32" to 19/32" (3.97 to 15.08 mm)	450
ASG-GSS-100-AR-DT	Abrasion Resistant with Dura-Tuff™ Top Cover	5/32" to 19/32" (3.97 to 15.08 mm)	650
ASG-GSS-180-AR-DT	Abrasion Resistant with Dura-Tuff™ Top Cover	9/32" to 13/16" (7.14 to 20.64 mm)	1200
ASG-GSS-200-AR-DT	Abrasion Resistant with Dura-Tuff™ Top Cover	5/8" - 7/8" (.625 to .875 mm)	1200

GRIZZLY™ Screw-Splice Additional Screws

Part Number	Type	Description	Dimensions	
			mm	in
ASG-10-5-SCREW	63-100	Galvanized	5mm x 10mm	.20 x .4
ASG-12-5-SCREW	63-100	Galvanized	5mm x 12mm	.20 x .5
ASG-14-5-SCREW	63-100	Galvanized	5mm x 14mm	.20 x .55
ASG-16-5-SCREW	63-100	Galvanized	5mm x 16mm	.20 x .6
ASG-18-5-SCREW	63-100	Galvanized	5mm x 18mm	.20 x .7
ASG-20-5-SCREW	63-100	Galvanized	5mm x 20mm	.20 x .8
ASG-22-5-SCREW	63-100	Galvanized	5mm x 22mm	.20 x .9
ASG-24-5-SCREW	63-100	Galvanized	5mm x 24mm	.20 x .9
ASG-21-6-SCREW	180-200	Galvanized	6mm x 21mm	.24 x 8
ASG-24.5-6-SCREW	180-200	Galvanized	6mm x 24mm	.24 x 9
ASG-25.5-6-SCREW	180-200	Galvanized	6mm x 25.5mm	.24 x 1
ASG-28.5-6-SCREW	180-200	Galvanized	6mm x 28.5mm	.24 x 1.1
ASG-30-6-SCREW	180-200	Galvanized	6mm x 30mm	.24 x.1.2

GRIZZLY™ Screw-Splice Drive Bits

Part Number	Type	Description	Weight
ASG-GPZ-BIT	Bit for 63-100 Grizzly Screw	PZ2 Bit	5 grams
ASG-GPZ-BIT-1	Bit for 180-200 Grizzly Screw	PZ3 Bit	5 grams

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GRIZZLY™ SCREW-SPLICE Installation

1. ASGCO® recommends installing the Grizzly™ Screw-Splice on a bias. A 4.8" of drop, for every 12" of belt width is recommended. *Example: BW x 0.4"*

First, find the centerline of the belt by marking (4) points down the middle of the belt that are equal distance from the belt's edge, and connect these points with a chalk line. **Second**, using a framing square, draw a line that is square to the established centerline at the desired cut point. **Third**, measure the proper bias amount from one end of the square line along the belt's edge and mark that point on the belt. Draw the bias line to connect this point to the square line across the belt's width.

Use your ASGCO® Magnum Rubber Belt cutter to cut along bias line. Repeat the measurement and cut process on other side of the belt to be spliced.

2. Skive the top cover of the belt to the appropriate depth and width to recess the splice. The width will be shorter on the belt that is installed first due to the spacers (Side A).

NOTE: *This is required when using belt scrapers; Belts with thicker bottom covers can be recessed as well.*

TIP: *Chamfering the leading edges of the belt will help slide the Grizzly™ Screw-Splice into place.*

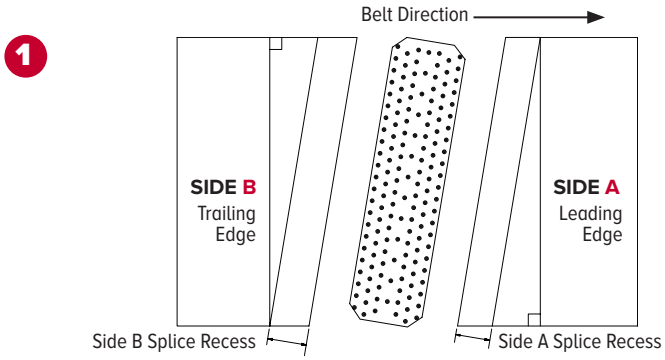
3. Slide the Grizzly™ Screw-Splice over the first piece of belt until the edge of belt contacts the spacers in the middle of splice. Leave spacers in place until the installation of the second side of belt.

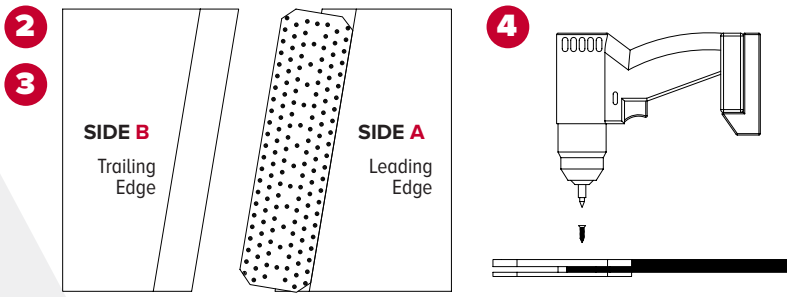
4. Using a clutched screw gun or impact with bits supplied, secure the included screws through the Grizzly™ Screw Splice in the order noted in step 5.

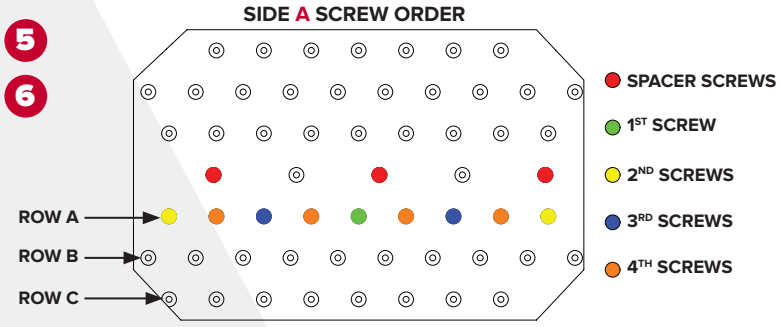
5. Install the center screw first (GREEN) in ROW A. Then install the screws in the outermost holes of the fastener (YELLOW). Next, install the screws between the first and second installed screws (BLUE). Continue centering the screws between the last two installed making your way back and forth across the belt.

NOTE: *Use the proper supplied ptz*

6. Once all the screws in ROW A are installed, move to ROW B using the same sequence, starting in the middle and centering until all the screws on that side of the fastener are installed; continue pattern to additional rows if applicable.

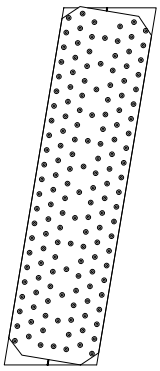


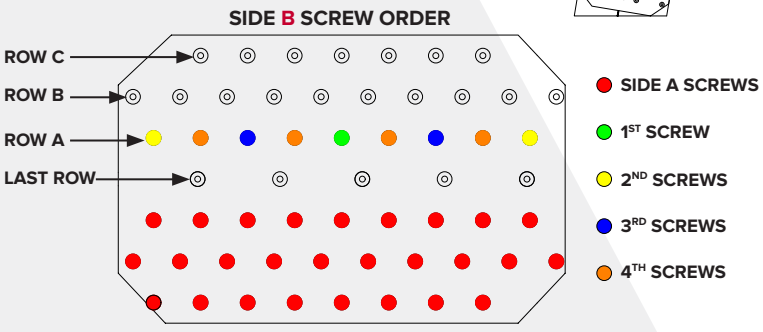




7. **REMOVE** the screws and spacers from the middle row; save the screws to install later.

8. Slide the other side of the belt (SIDE B) into the fastener, butting both ends of the belt together. In the screws for this side in the same sequence, leaving the middle most row of screws (the spacer row) for last.





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