



# woody's®

Get in style with Woody's Wear™  
Templates and Patterns for Accuracy  
Get our NEW Navigator™ Ski Protector  
All NEW 90 Piece Kit for your convenience

**TRAIL  
CATALOG  
2016-2017**

High Quality Products, Unbeatable Customer Service

# our products

International Engineering and Manufacturing Inc. (IEM) is based in Hope, Michigan, USA and is known worldwide as the industry's premier producer of snowmobile performance and safety traction products for skis and rubber tracks. Woody's is the trademarked name of IEM's private label traction devices and is the choice worldwide of motorsports accessory distributors, snowmobile and track manufacturers, off-road vehicles, racing champions, sportsmen, and snowmobilers who want the very best in traction performance and safety.

For over 48 years now, Woody's strives to be the leader in the industry by manufacturing high quality products and following through with excellent customer service. IEM is family owned, currently on its second generation, and keeps up with the latest technology and equipment. Over the years, IEM has transformed from a part-time business to an international corporation. This expansion came from perseverance, hard work, innovation, and an unwavering commitment to quality products.



**6-7** trail studs

**8-9** trail runners



**10** ski protectors



**11** nuts



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**24-29** woody's wear™ & accessories

# NEW at Woody's for 2016-2017

Every year, our OEMs manufacture new sleds that have advanced tracks and skis, along with several other aspects. Woody's is not one to keep you waiting, so we are constantly working to keep up with these changes. In doing so, we come up with new products, new ideas, and new materials. We do this, one, because we want to keep our customers happy by supplying them with our industry-leading products and, two, because we take pride in manufacturing traction and control products that keep our customers safe and successful.

**SEE OUR NEW WOODY'S WEAR™ ON PAGE 24**



## New >>>

### 90 PIECE KIT

Woody's® 90 Piece Kit is available for 129" single-ply and two-ply tracks with a 1.25" lug. This kit was designed for convenience due to the quantity of sleds that take 90 studs (*34 sled models in 2017 alone*).

Part Number:

**GMPK-1325-90 - Single-Ply Kit**

Includes 90: Short Big Nuts, 5/16" Round Grand Digger® support plates, and 1.325" Grand Master® studs

**GDPK-1325-90S - Two-Ply Kit**

Includes 90: Short Big Nuts, 5/16" Round Digger® support plates, and 1.325" Gold Digger® Traction Master® studs

## YAMAHA 8800



## New >>>

### 8800 YAMAHA RUNNER SERIES

With every new ski produced by our OEMs comes a new runner. This 8800 series goes on the new Yamaha Mountain ski to protect the ski and provide traction.

Part Number:

**HSY-8800 - Top-Stock™** (Hardweld bar, no carbide)

**EYV3-8800 - Extender Trail III™** (4" of 60° carbide)

**TYV4-8800 - Trail Blazer IV™** (6" of 60° carbide)

**AY6-8800 - 6" Ace™** (6" of 60° carbide)

**AY8-8800 - 8" Ace™** (8" of 60° carbide)



## New >>>

### WOODY'S® NAVIGATOR™ SKI PROTECTOR

Woody's® Navigator™ Ski Protector is an accessory that will protect your new skis from wear or fix your old skis while reducing darting. The Navigator™ packs snow and smoothes grooves from previous riders, leaving you with a fresh path. The Navigator™ is available for Ski-Doo Pilot and Polaris Pro Steer skis.

Part Number:

**NAVS-9500** This Navigator™ works with any single Ski-Doo Pilot runner in the market that has a host bar up to 1/2 inch, with exception of the SL ski.

**NAVP-1300** This Navigator™ works with the Polaris Pro Steer ski.



"I have been using Woody's products since 1975; wouldn't use anything else. The people at Woody's are the best. They go out of their way to help you."

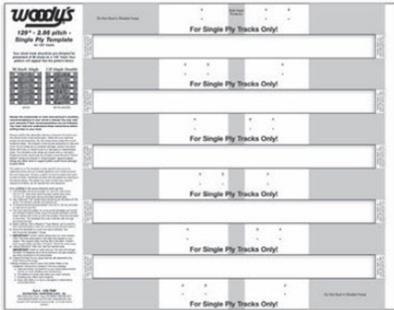
— Rick Fuerst — July 2016

"Woody's is number one for maximum traction; we use it every time."

— Rick Guilbeault (Hotbox Racing) — November 2014

"Been using Woody's studs and carbides for 18 years now from trail to ice drags. I love your products, they are the best traction and control products hands down."

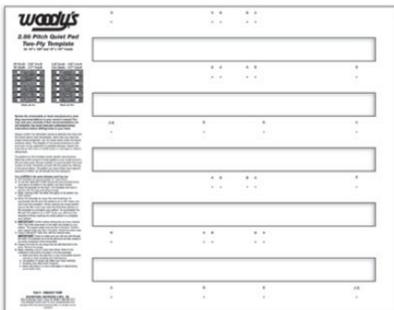
— Roland Nakoolak — Harbour, Nunavut — November 2014



**New >>>**

### 129" - 2.86 PITCH SINGLE-PLY TEMPLATE

Woody's® 129S-TEMP is for 129" 2.86 pitch single-ply tracks with stud patterns of 90 & 135 (expandable for 16" tracks).  
Part Number: 129S-TEMP



**New >>>**

### 2.86 PITCH QUIET PAD TWO-PLY TEMPLATE

Woody's® 286QUIET-TEMP is for 15" X 129" tracks with stud patterns 90 & 135 and 15" x 137" tracks with stud patterns of 96 & 144.  
Part Number: 286QUIET-TEMP



**New >>>**

### SNOWMOBILE TRACK CLIP TOOL ACCESSORY

Replacement anvil for use with Woody's® Track Clip Installation Tool (TCT-TOOL). The Snowmobile Track Clip Tool Accessory is sold separately from the Track Clip Tool. It is an accessory to accommodate a 3" lug. Change the track clips while keeping the track on your sled.

Part Number: TCT-30AC

# Trail Studs

Taking off, steering, and stopping on hard packed snow or ice is unpredictable... when you don't have enough traction. Installing carbide studs in the track and upgrading your carbide runners will significantly improve your handling and control.

Ride after ride, Woody's® studs maintain reliable traction on the surface which you are riding. Our studs will not only move you down the trail quickly, but they will also help keep you on the trail safely. Starting, stopping, and steering are all tremendously improved on a studded sled.

"This is my first time looking into studs after watching my son (young adult) nearly get killed losing control on a 20 foot patch of ice. I've never considered the safety aspect of studs until this incident... the helicopter ride cost more than the sled and studs. Since then I've reflected on three other minor accidents that I've witnessed and I believe all of them could have been prevented by using studs. Fortunately my son will make a full recovery and ride again, and naturally we will all be studding our tracks after this incident."

— Keenan S.  
Glenwood City, WI  
March, 2016

## GOLD DIGGER® TRACTION MASTER®

US Patent No. 5,234,266  
Canadian Patent No. 2,086,186



- Woody's® premier stud
- For hard packed snow and ice
- Durable, sharp 60° carbide pin
- Heat treated carbon steel
- GDP6-7500 has a 7mm shank
- GDP6-8755 through GDP6-1575-L have a 5/16" shank
- 5/16" threads
- Patented track trapping principle
- Packages come in quantities of 24, 96, and 144 pieces

SIZE	HEAD	PART #
0.750"	1.000"	GDP6-7500
0.875"	1.000"	GDP6-8755
0.920"	1.000"	GDP6-9205
1.000"	1.000"	GDP6-1005
1.075"	1.000"	GDP6-1075
1.175"	1.000"	GDP6-1175
1.325"	1.000"	GDP6-1325-S
1.450"	1.000"	GDP6-1450-S
1.575"	1.000"	GDP6-1575-L

## GRAND MASTER®



- Exactly the same as BRP's Ski-Doo Phantom Stud
- ONLY stud that will not void your warranty for BRP tracks
- Single-ply track design stud (not for use in 2-ply tracks)
- For hard packed snow and ice
- Durable, sharp 60° carbide pin
- Heat treated carbon steel
- 5/16" threads
- 1.200" diameter head to produce same stud retention as two-ply designs
- Anti-rotation lines
- Packages come in quantities of 12, 48, and 84 pieces

SIZE	HEAD	PART #
1.075"	1.200"	GMP-1075
1.325"	1.200"	GMP-1325
1.450"	1.200"	GMP-1450
1.575"	1.200"	GMP-1575

## GRAND MASTER PRO™



- Exactly the same as BRP's Ski-Doo Phantom Sharp Stud
- Single-ply track design stud (not for use in 2-ply tracks)
- Aggressive profile to easily penetrate hard packed snow and ice; great for X-country
- Sharpened tip matches 60° carbide pin
- Heat treated carbon steel
- 5/16" threads
- 1.200" diameter head to produce same stud retention as two-ply designs
- Anti-rotation lines
- Packages contain 48 pieces

SIZE	HEAD	PART #
1.075"	1.200"	GMPP-1075
1.325"	1.200"	GMPP-1325
1.450"	1.200"	GMPP-1450
1.575"	1.200"	GMPP-1575



**With exception of the Trigger™:**

- \* Nylon Nuts (NYLC-5020) are included with .875" - 1.200" lengths
- \* Short Big Nuts (ALN2-4500) are included with 1.325" & 1.450" lengths
- \* Tall Big Nuts (ALN2-7000) are included with 1.575" length

How far does your stud extend over the lug? Go to page 21 and check the Penetration Chart. Not sure what traction products are needed for your sled?

**MEGA-BITE®**  
US Patent No. D415954  
Canadian Patent No. 88,613



- Shank design increases surface area to paddle snow; ideal for aggressive X-country and trail riders
- Patented 4 flat sides surround a 60° carbide pin
- Heat treated carbon steel
- 5/16" threads
- Anti-rotation lines
- Trail riding lengths of 1.075" through 1.575"
- Additional racing lengths available in the Woody's® Competition Catalog
- Packages come in quantities of 24, 96, and 144 pieces

SIZE	HEAD	PART #
1.075"	15/16"	MEG-1075
1.175"	15/16"	MEG-1175
1.325"	15/16"	MEG-1325-S
1.450"	15/16"	MEG-1450-S
1.575"	15/16"	MEG-1575-L

**SIGNATURE SERIES™**



- Corrosion resistant, entry level stud
- Cuts through lake ice and hard packed snow/ice
- Heat treated stainless steel with 60° carbide pin
- 5/16" threads
- Anti-rotation lines
- Packages come in quantities of 24, 48, 96, and 144 pieces

SIZE	HEAD	PART #
1.000"	15/16"	SSP-1005
1.075"	15/16"	SSP-1075
1.175"	15/16"	SSP-1175
1.325"	15/16"	SSP-1325-S
1.450"	15/16"	SSP-1450-S

**STEEL CHISEL TOOTH™ TRACTION MASTER®**

US Patent No. 5,234,266  
Canadian Patent No. 2,086,186



- Non-carbide tip stud
- Penetrates like a pointed stud but acts like a flat surface scooper for grabbing the terrain and moving surface area
- Heat treated carbon steel
- 5/16" threads
- Patented track trapping principle
- Packages contain 48 pieces
- Additional racing lengths available in the Woody's® Competition Catalog

SIZE	HEAD	PART #
1.075"	1.000"	CAP-1075
1.200"	1.000"	CAP-1205
1.325"	1.000"	CAP-1325-S

**TRIGGER™**



- Lake riding stud with long, narrow profile for aggressive penetration
- Heat treated carbon steel with 60° carbide pin
- 5/16" threads
- Anti-rotation lines
- Short Big Nuts (ALN2-4500) Included with 1.450" and 1.575" lengths
- Standard lock nuts included with other sizes (NYLC-5020)

SIZE	HEAD	PART #
1.075"	15/16"	TRIG-1075
1.325"	15/16"	TRIG-1325
1.450"	15/16"	TRIG-1450-S
1.575"	15/16"	TRIG-1575-S

# Trail Runners

There are several benefits of Woody's® industry-leading snowmobile runners. We have dual and single snowmobile ski runners for your Arctic Cat, Polaris, Ski-Doo, or Yamaha snowmobile, whether it has factory or after-market skis. Woody's has over 47 years of manufacturing experience and collaborates with OEMs to develop runners that maximize steering. We use quality steel and carbide construction for longevity and make sure every weld is at an optimum spot. Thanks to our CNC wire former and prints from our OEMs, the fit and finish of our runners are extremely precise so they fit every time. **WARNING:** Dangerous loss of snowmobile control can occur without enough studs installed in the track to balance with the carbide in the runners.

## ACE™

Profile View



The ACE™ runner line utilizes a preformed steel square bar. It has a taller profile and is more aggressive, providing excellent control on rider forward sleds. The ACE™ is great for deep snow and is available with 6" and 8" of 60° turning carbide for trail users in our most popular runner lines.

## 8" EXECUTIVE™ SERIES

Profile View



If you ride hard all day and need consistent, reliable control, the 8" of 60° turning carbide on the Flat-Top® Executive™ runner keeps you in command. This runner is designed with the performance trail rider in mind.

## 6" TRAIL BLAZER IV™ SERIES

Profile View



The Flat-Top® Trail Blazer IV™ runner is designed for trail riders with strong right thumbs. The 6" of 60° sharp turning carbide provides more cornering power and control to riders who enjoy faster riding, particularly in the winding sections of the trail where cornering control makes a big difference.

## 4" EXTENDER TRAIL III™ SERIES

Profile View



The Flat-Top® Extender Trail III™ runner is a popular choice for many trail riders. It is an excellent replacement for the manufacturer's stock runners. The 4" of 60° turning carbide will give more positive cornering control.



## SHUR-STEER™ POLARIS (Not Shown)

The Shur-Steer™ carbide runner is the Woody's® replacement for Polaris models equipped with EZ Steer runners. The three models available are:

- Shur-Steel™ Extender Trail III™ - 4" of 60° carbide and full length hardweld
- Shur-Steel™ Trail Blazer IV™ - 6" of 60° carbide and full length hardweld
- Shur-Steel™ Executive™ Series - 8" of 60° carbide and full length hardweld

### TOP-STOCK™ SERIES

Profile View



The Flat-Top® Top-Stock™ is an economical hardweld runner designed for extreme service or utility applications. The host bar with hardweld increases the depth of the runner for added controllability. Recommended for deep snow or snowmobiles with 48 or fewer studs installed.

### STANDARD WEAR BARS

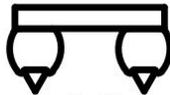
Profile View



Woody's® offers a line of standard wear bars for a wide variety of sleds. These economy runners are ideal for rental fleets and are made of round steel material with Woody's® quality manufacturing. Available per pair for select series numbers. Also available in bulk packaging.

### DOOLY™ SERIES

Profile View



The Dooly™ runner will help decrease darting of your sled as it makes its own groove in the trail. The tucked front end will ensure stability. The two 7/16" Flat-Top® runners mounted on a plate are available in 4", 6", or 8" of 60° turning carbide to accommodate several styles of trail riders. Each Dooly™ runner is packaged individually.

### SLIM JIM® DOOLY™

US Patent No. 7,090,229 B2

Profile View



The design of this runner is specifically for riders who love the reduced darting feature of Woody's® original Dooly™ and also want a more performance enhanced product when cornering. Woody's® Slim Jim® is more responsive in the corners and is lighter than our original Dooly™. Available with 4", 6", and 8" of 60° turning carbide. Each Slim Jim® runner is packaged individually.

# Ski Protectors

Woody's® Navigator™ Ski Protector is an accessory that will protect your skis from wear and reduce darting. This accessory is installed at the front of the keel to add significant protection to your ski. The Navigator™ packs snow and smoothes grooves from previous riders, leaving you with a fresh path. Protect your new ski or fix your worn down ski with this innovative ski protector. The Navigator™ is available for Ski-Doo Pilot and Polaris Pro Steer skis.

## NAVIGATOR™ SKI PROTECTOR

\*Patent Pending



Installing Woody's® Navigator™ Ski Protector is easy and comes with a complete set of instructions.

## NAVIGATOR™ SKI PROTECTOR (Installed - Bottom View)



Once installed, Woody's® Navigator™ Ski Protector will help extend the life of your ski and reduce darting.

### For Ski-Doo Pilot Skis



This Navigator™ works with any single Ski-Doo Pilot runner in the market that has a host bar up to 1/2 inch, with exception of the SL ski.  
Part Number: NAVS-9500

### For Polaris Pro Steer Skis



This Navigator™ works with the Polaris Pro Steer ski.  
Part Number: NAVP-1300



# Nuts

All stud packages already contain the correct quantity and size of nuts you will need for your stud installation. The size of the nuts depend on the length of the stud. Stay on top of the game and order extras nuts at [www.WoodysTraction.com/trail-nuts](http://www.WoodysTraction.com/trail-nuts) so you have them when you need them.

"We were impressed with the Navigator and noticed a lot less darting with them installed. The Navigator was also very popular at competition with many judges, who said that they would have to go out and get a pair for their sled."

— 2016 Clarkson Winter Knights – SAE Clean Snowmobile Challenge

## LOCK NUTS



Woody's® Lock Nuts have a ring of nylon inside the thread. Lock Nuts are designed to increase locking force and prevent the nut from coming loose.

The correct size and amount of nuts are included in the stud packages. If you remove your studs, those nuts cannot be reused. Purchase replacement nuts.

### Part Number

**NYLC-5020** - 5/16" Lock Nuts Steel Class C - 48 pcs.  
**NYL-5000** - 7mm Lock Nuts - 48 pcs.

## BIG NUTS



**Short Big Nut** - For Studs 1.175" to 1.450"

### Part Number

**ALN2-4500** - Short Big Nut-5/16" - 24 pcs.  
**ALN2-4500-B** - Short Big Nut-5/16" - 96 pcs.

**Tall Big Nut** - For Studs 1.575" and longer

### Part Number

**ALN2-7000** - Tall Big Nut-5/16" - 24 pcs.  
**ALN2-7000-B** - Tall Big Nut-5/16" - 96 pcs.



# Support Plates

Sleds come in many different styles and colors and so should your support plates. Woody's® support plates have their own quality process and testing criteria. They are made of high-quality material, and are available in various shapes and sizes for a variety of stud pattern options.

## DOUBLE DIGGER®



The original Double Digger® configuration allows you to install two studs with less weight than two single support plates. The Double Digger® increases your options for studding in the middle belt. This tough, aluminum support plate is strong enough to handle two studs. Available in:

- 5/16" in quantities of 12 and 48
- 7mm in quantities of 12 and 48

## COLORED DOUBLE DIGGER®



Just like the original Double Digger® only more colorful. Available in powder coated white, black, yellow, red, green, orange, and blue.

- Aluminum
- 5/16" in quantities of 48

## ROUND DIGGER®



Round support plates have a faster installation time and eliminate plate alignment. These Round Digger® aluminum support plates are available in sizes of:

- 5/16" x 1-3/8" in quantities of 24, 96, and 144
- 7mm in quantities of 24 and 96

## COLORED ROUND DIGGER®



To stand out in the crowd, your imagination and preference are the only requirements. Individualize your sled with these round, powder coated support plates. Choose from white, black, yellow, red, green, orange, and blue.

- Aluminum
- 5/16" x 1-3/8" in quantities of 48





## Support Plate Features/Benefits

Round - Faster installation time, eliminates plate alignment

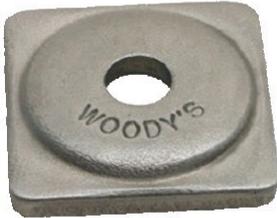
Square - Excellent support, re-torque indicator

Double - Holds studs more ridged

Angled - Easier penetration, better hole shot

Triangle - Enhanced performance, ease of track rotation, lightweight

### SQUARE DIGGER®



Square support plates give excellent support and act as a re-torque indicator. The indexing tool to align Square Digger® support plates, **SPI-TOOL-5**, is available from Woody's® (page 16). The sizes of these Square Digger® aluminum support plates are available in:

- 5/16" x 1-1/4" in quantities of 24, 96, and 144
- 7mm in quantities of 24, 96, and 144

### COLORED SQUARE DIGGER®



All of the benefits of the original Square Digger® only more colorful. Customize your sled with these aluminum square support plates that are powder coated in white, black, yellow, red, green, orange, and blue.

- 5/16" x 1-1/4" in quantities of 48

### TRIANGLE DIGGER®

US Patent No. D547237

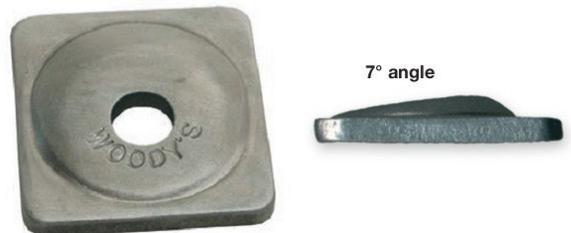


The Triangle Digger® support plate provides added performance and is made from aluminum. Tracks using these uniquely shaped support plates will generate less rotating resistance which results in easier track rotation. The indexing tool, **SPI-TOOL-T**, to align Triangle Digger® support plates is available from Woody's® (page 16). These lightweight support plates are available in:

- 5/16" in quantities of 48
- 7mm in quantities of 48

### ANGLED DIGGER®

US Patent No. 6,609,772 B2



Lake Riders love this lightweight aluminum support plate. This unique 7° Angled Digger® support plate holds the stud off perpendicular from the track. Under load the stud moves to perpendicular enhancing the consistency of acceleration and aiding the stud to resist going past perpendicular in the other direction. Available in:

- 5/16" in quantities of 24, 96, and 144
- 7mm in quantities of 24, 96, and 144

# Support Plates

Additional Woody's® products needed for stud installation:  
Stud Pattern Templates, Track Drill, Track Marker, Indexing Tool

It is important to use the correct support plates with your studs. Just as there are studs for single-ply and two-ply tracks, the same applies with our support plates, which also come in single-ply and two-ply styles.

## ANGLED DOUBLE DIGGER®

US Patent No. 6,609,772 B2



An awesome design taken one step further. The Double Digger® and the 7° Angled Digger® support plate designs have proven so effective that we put them together, combining the advantages of weight reduction and enhanced acceleration. This support plate is made from aluminum and is available in:

- 5/16" in quantities of 12 and 48
- 7mm in quantities of 12 and 48

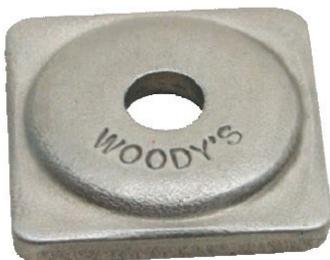
## ROUND GRAND DIGGER®



Woody's® Round Grand Digger® support plates are specifically designed for use with the 5/16" Grand Master® stud lines in a single-ply track. Round support plates do not require indexing, making them quite easy to install. These aluminum support plates are not to be used on 2.52 pitch tracks.

- 5/16" in quantities of 12, 48, and 84

## SQUARE GRAND DIGGER®



Grand Digger® support plates are specifically designed for use with the 5/16" Grand Master® stud lines in a single-ply track. Square aluminum support plates must be indexed to perpendicular with the edge of the track. The indexing tool, SPI-TOOL-G, to align Square Grand Digger® support plates is available from Woody's® (page 16).

- 5/16" in quantities of 12, 48, and 84

## DOUBLE GRAND DIGGER®



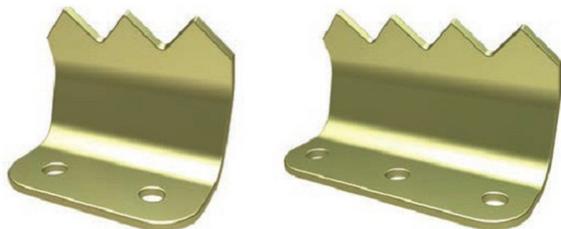
Double Grand Digger® support plates are specifically designed for use with the 5/16" Grand Master® stud lines in a single-ply track. This lightweight support plate allows you to install two studs with less weight than two single support plates. This aluminum support plate also increases your options for studding in the middle belt.

- 5/16" in quantities of 12 and 48



I have been using Woody's traction products for over 25 years. I must say that when looking at what you are buying, it's easy to pick Woody's over other brands. Woody's has always been up front with how and what they sell! The whole premise of their company is to provide traction and safety to the consumer, and their development in the racing venues has distinguished their products from others. Woody's is a mainstay in it's Michigan community and has worked hard to earn the loyalty of their employees. This important factor also keeps me loyal to Woody's traction products. Thanks Woody's!  
- Mike Kurkowski (Sobrr Racing) - Vergas, MN - August 2014

### FAT MAX™ MOUNTAIN PADDLE



This titanium mountain paddle is ideal for deep lugs. It provides lug support and helps break through ice crusted surfaces. Paddles available in 2-hole and 3-hole choices with a hole size of 0.275". Sizes available:

- 3.5" x 2.25" - quantities of 4 and 12
- 3.5" x 2" - quantities of 4 and 12
- 2.5" x 2.25" - quantities of 4 and 12
- 2.5" x 2" - quantities of 4 and 12

### COMBO DIGGER®



Available for two-ply tracks, the Combo Digger® support plate is the perfect combination. The nut and support plate are affixed together, making it unique, easy to install, and a time saver. This aluminum support plate is only for 5/16" studs that are 1.325" and longer. Available in quantities of 24 and 48.

### COMBO GRAND DIGGER®



Available for single-ply tracks, the Combo Grand Digger® support plate is the perfect combination. The nut and support plate are affixed together, making it unique, easy to install, and a time saver. This aluminum support plate is only for 5/16" studs that are 1.325" and longer. Available in quantities of 24 and 48.



# Tools & Accessories

Installing Woody's® traction studs and ski runners is not difficult. However, it always helps when you have the right tools. Woody's® snowmobile accessories have specialized tools & templates to make studding snowmobile tracks easy. The rest of the stuff you need is already in your garage.

Our step-by-step installation instructions have a list of tools needed for easy installation. We also have Tech Tips covering a wide variety of topics.

## SNOWMOBILE TRACK CLIP TOOL

This track clip tool is made in the USA at KB Tooling and is available exclusively through Woody's®. This two piece unit tool can be used while the track is still on the sled. The top is made of case hardened 1018 steel while the anvil is made of 6061 T6 tempered aluminum with a hardened steel ball locked in for the bolt to press on. The anvil is locked in by two hardened shoulder bolts; worry free from falling out or getting cocked.  
Part Number: TCT-TOOL



## SNOWMOBILE TRACK CLIP TOOL ACCESSORY

The Snowmobile Track Clip Tool Accessory is sold separately from the Track Clip Tool. It is an accessory to accommodate a 3" lug. Change the track clips while keeping the track on your sled.  
Part Number: TCT-30AC



## TRACK TENSION TOOL

Make sure the tension of your track is correct. Use Woody's® Track Tension Tool to help stay within the manufacturer's guidelines.  
Part Number: TRAK-TOOL



## TRACK DRILL

This hollow track drill for all studs sizes makes a precise opening for installing studs. It delivers perfect results every time, making studding easy.  
Part Number: DRIL-UNIV



This winter was a very dismal year for snow, as I am sure you are aware, and during testing and competition we faced lots of icy conditions, in which the Trail Blazer IV worked flawlessly to provide us traction. We were able to finish 2nd place overall and winner of Camso's best performance award, through the use of a simple and practical design of our 2016 Ski-Doo MXZ 600 ACE.

— 2016 Clarkson Winter Knights – SAE Clean Snowmobile Challenge



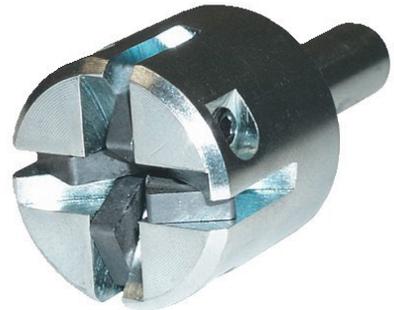
### TRACK MARKER



Excellent tool for marking stud patterns on your track. Choose your pattern, place the template over the track, and with your track marker, mark the track in the center of the appropriate holes. The marker will leave a white dot and you can review the entire stud pattern on your track before drilling, eliminating stud placement errors.

Part Number: **TRAK-MARK**

### STUD SHARPENING TOOL



Our stud sharpening tool is easy to use and will sharpen your studs while they remain in the track. Available in 30° (**TOOL-SHARP-3**), 45° (**TOOL-SHARP-4**), and 60° (**TOOL-SHARP-6**) angles. Replacement inserts are available in packages of 4 (**TOOL-INSERT-4**). Use with steel studs only.

### STUD INSTALLATION TOOL



Use this tool (**STUD-INSTALL**) for installing and removing push-through studs. The handle is made from premium aluminum and fits into your palm for working in close quarters. Each tool comes with an extra hex bit. A replacement hex package is also available that contains two hex bits (**STUD-INSERT2**).

### SHALLOW SOCKET TOOL



The no-touch concept of this unique tool provides the torque to tighten lock nuts while installing push-through studs without touching the surface of the Digger® support plate. It works ideal with colored Digger® Support Plates. Available in 5/16" size.

Part Number: **SCW-4505**



# Tools & Accessories

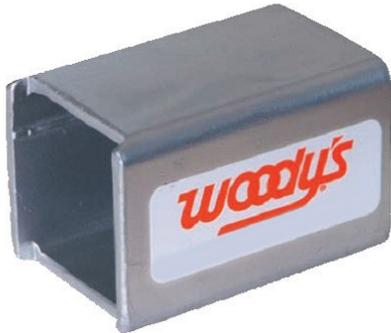
"It's great to do business with people that stand behind their product and respond... and that was a fast response."

—Daniel B. – Vernon Center, NY – March, 2016

"After 35 plus years of being deeply entrenched in the world of snowmobiling as a salesman, mechanic and owner/rider, I feel that Woody's products offer the greatest durability and value in traction products."

—Curt Diesner – North Chicago, IL – March, 2016

## INDEXING TOOL FOR SQUARE DIGGER® SUPPORT PLATES



Parallel edges are essential and this indexing tool gets the job done. Square Digger® support plates should run parallel with the edge of the track to increase the longevity of the stud and support plate. This indexing tool is a real time-saver and fits on a standard 3/8" drive ratchet. Available in 5/16": SPI-TOOL-5 and 7mm: SPI-TOOL-7

## INDEXING TOOL FOR TRIANGLE DIGGER® SUPPORT PLATES



Align your Triangle Digger® support plates by using this specialized indexing tool. To be used with a 3/8" ratchet for 5/16" or 7mm support plates. Part Number: SPI-TOOL-T

## INDEXING TOOL FOR SQUARE GRAND DIGGER® SUPPORT PLATES



Specially made for the larger Square Grand Digger® support plates. Square support plates should run parallel with the edge of the track to increase the longevity of the stud and support plate. The indexing tool saves times and easily aligns square support plates with the edge of the track. Fits on a standard 3/8" drive ratchet. Part Number: SPI-TOOL-G

## PADDLEGRABBER

Serving ultimate trailer protection, the paddlegrabber preserves the trailer deck, increases traction on the trailer, enhances safety, and is easy to install. The strong, lightweight design is also perfect for enclosed trailer doors. It is adjustable to fit any trailer; one standard set covers an area 16" W x 47" - 57" L. The self-cleaning design doesn't trap water or salt that may ruin decks. Part Number: PAD-GRAB



"I have used the Woody's brand studs and runners for over 30 years and have always been very pleased with the quality of workmanship they put into their products. I use the same studs and runners on my trail sled that I ride in northern Michigan for extra safety and control that I use on my race sled that I run in the Alaskan 2000 mile Iron Dog snowmobile race that I need for performance."

—Dave Hausbeck (Team #32) – Reese, MI – March 2016



### CARBIDE GRINDING WHEEL



Green Grinding Wheel for sharpening carbide runners and stud carbide inserts. One piece per package.

Arbor shim included. Sizes available in:

- 1/2" x 6" (AGW-4000)
- 1" x 6" (AGW-4100)

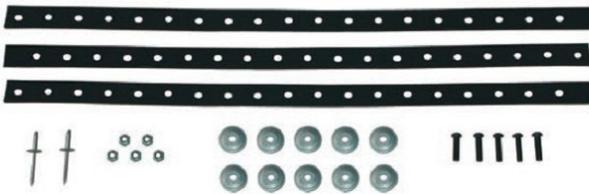
### HAND GRINDING WHEEL



Black Silicon Grinding Wheel to sharpen carbide runners while on the skis. Used with angled grinders. One piece per package. One size: 1/4" x 4-1/2"

Part Number: AGW-4500

### SNOW FLAP STRAP KIT



Install the Snow Flap Strap Kit to anchor your snow flap for added riding security. This kit secures the rear flap to the chassis and will fit almost all makes and models of snowmobiles. Kit contains pre-punched holes in rubber straps and all the fastening devices needed to install the straps.

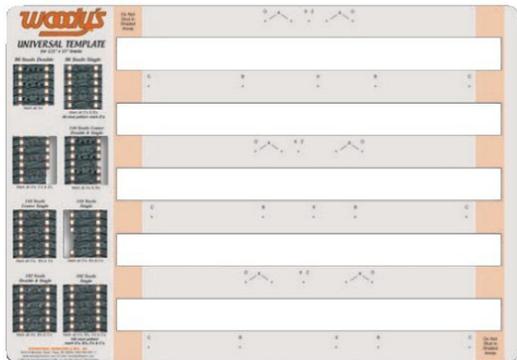
Part Number: MUD-STRAP



# Templates & Patterns

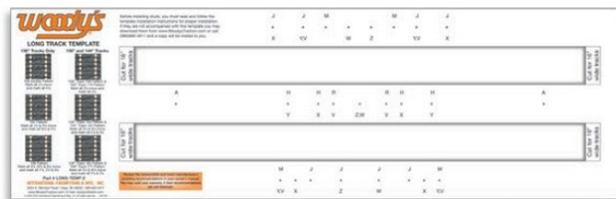
Woody's® templates are designed to work with almost any sled and to accommodate the variety of riding styles. Our traction experts spend countless hours developing patterns that take into consideration the critical components of each snowmobile. They often work with the snowmobile manufacturers to ensure each pattern provides optimal performance while maximizing the scratch lines for each track. The Traction Application Guide found on [appguide.Woody'sTraction.com](http://appguide.Woody'sTraction.com) has stud pattern and template recommendations for snowmobiles from 1996 to present.

## UNIVERSAL TEMPLATE



Choose the best stud pattern for your riding style, terrain, and the performance capabilities of your sled. The Woody's® Universal Template has patterns from 48 to 192 studs. For 48, 72, and 168 stud pattern illustrations refer to [woodystraction.com](http://woodystraction.com). Fits 15" wide track configurations. Part Number: **COMB-TEMP**

## LONG TRACK TEMPLATE

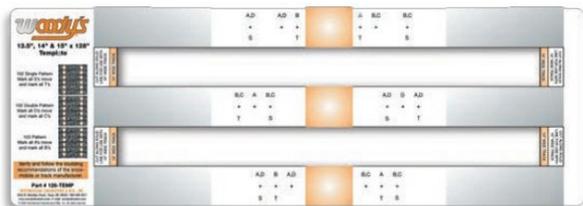


Woody's® Long Track Template has an added cut away feature to make it expandable for 16" wide tracks. It has multiple options for center belt studding with or without Double Digger® support plates and fits tracks:

- 15" x 136" with stud patterns of 108, 144, 162, and 198
- 15" x 144" with stud patterns of 114, 152, and 171

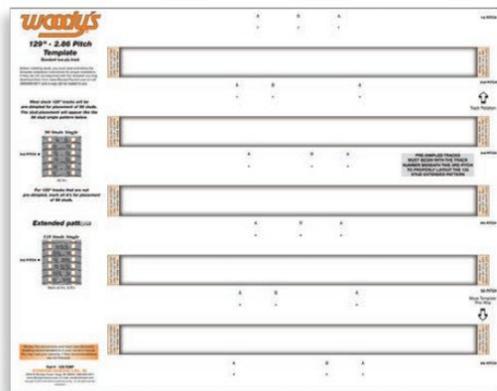
Part Number: **LONG-TEMP-2**

## 128 TEMPLATE



Woody's® 128 Template will accommodate 13.5", 14", and 15" x 128" tracks with stud patterns of 102 and 153. Part Number: **128-TEMP**

## 129 TEMPLATE



Woody's® 129 Template will accommodate 2.86 pitch tracks that measure 15" and 16" x 129" with stud patterns of 90 and 135. Part Number: **129-TEMP**

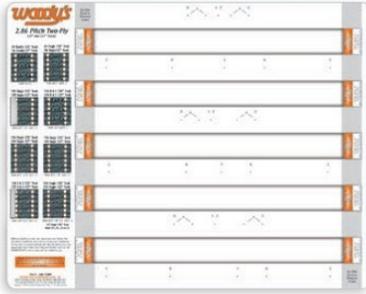




Benefits of using Woody's® stud pattern templates:

- Save time with marking the stud pattern
- Maintain consistency of stud placement
- Use templates for a professional pattern
- Maximize the effectiveness of each stud
- Eliminate damage to critical snowmobile components

### 2.86 PITCH TWO-PLY TEMPLATE

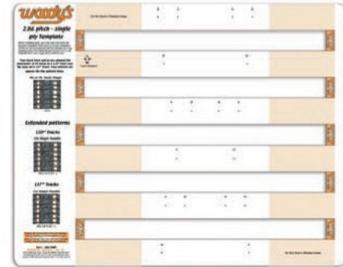


Woody's® 2.86 Pitch Two-Ply Template has patterns for standard two-ply tracks with a 2.86 pitch track. This template will accommodate tracks 14", 15", and 16" wide that are either 120" or 137" long.

- 120" stud patterns of 84, 105, 126, 147, and 168
- 137" stud patterns of 96, 120, 144, and 192

Part Number: 286T-TEMP

### 2.86 PITCH SINGLE-PLY TEMPLATE



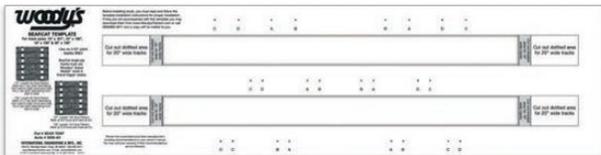
Woody's® 2.86 Pitch Single-Ply Template is for single-ply tracks with a 2.86 pitch. This template will fit tracks:

- 15" and 16" x 120"
- 15" and 16" x 137"

A stock track will be pre-dimpled for placement of 84 studs on a 120" track and 96 studs on a 137" track. This template offers extended patterns for 126 studs on a 120" track and 144 studs on a 137" track.

Part Number: 286S-TEMP

### BEARCAT TEMPLATE

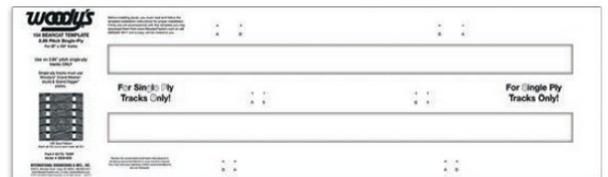


The BearCat Template will fit 2.52 pitch single-ply and two-ply tracks that measure:

- 15", 16" and 20" x 156" with stud patterns of 62 and 124
- 15" x 151" with stud patterns of 60 and 120

Part Number: BEAR-TEMP

### BEARCAT 154" SINGLE-PLY TEMPLATE



The BearCat 154" Template will fit 2.86 pitch single-ply tracks. This template has a pattern for 108 single studs.

Part Number: BCTS-TEMP

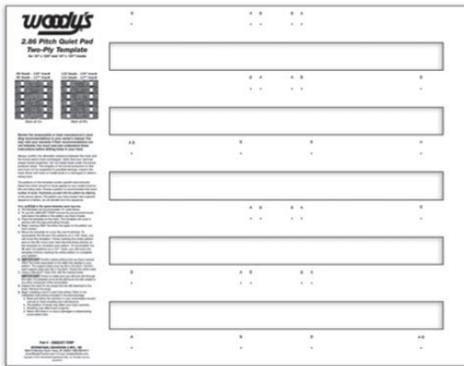


# Templates & Patterns

"I COMPLETELY appreciate Woody's in every aspect of performance and quality!"  
 – Paul M. – Sudbury, Ontario – January, 2015

"The woody studs and wear bars have held up very well. We've ridden across many roads, bridges and sandy conditions. They have tolerated much abuse. They are worth their value."  
 – Kimberly D. – WI – March, 2016

## 2.86 PITCH QUIET PAD TWO-PLY TEMPLATE

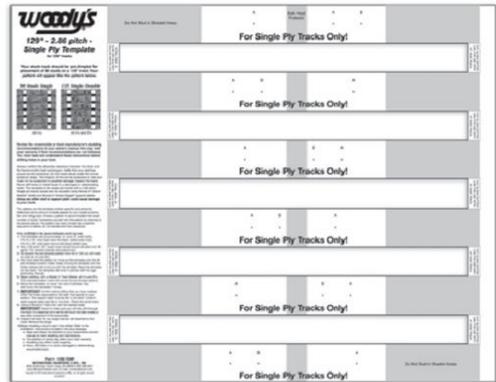


Woody's® 2.86 Pitch Quiet Pad Two-Ply Template is for:

- 15" x 129" tracks with stud patterns of 90 and 135
- 15" x 137" tracks with stud patterns of 96 and 144

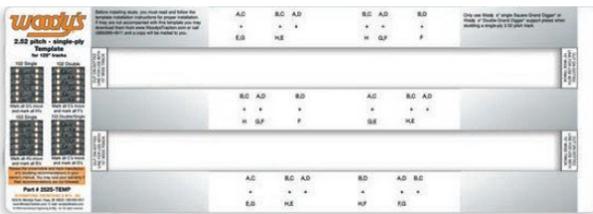
Part Number: **286QUIET-TEMP**

## 129" - 2.86 PITCH SINGLE-PLY TEMPLATE



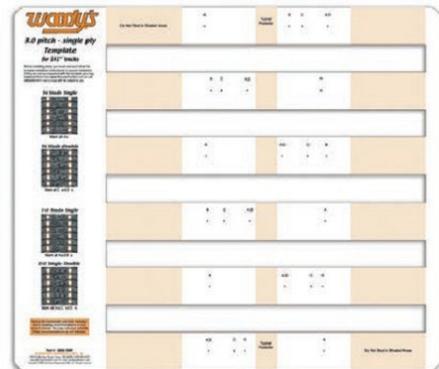
Woody's® 129" - 2.86 Pitch Single-Ply Template expands for 16" tracks and has patterns of 90 & 135 studs.  
 Part Number: **129S-TEMP**

## 2.52 PITCH SINGLE-PLY TEMPLATE



Woody's® 2.52 Pitch Single-Ply Template will accommodate 14" and 15" x 128" tracks and has stud patterns of 102 and 153. It has multiple options for center belt studding with or without Double Grand Digger® support plates.  
 Part Number: **252S-TEMP**

## 3.0 PITCH SINGLE-PLY TEMPLATE



Woody's® 3.0 Pitch Single-Ply Template will accommodate 15" x 141" tracks with stud patterns of 94 and 141 studs. It has options for center belt studding with or without Double Grand Digger® support plates.  
 Part Number: **300S-TEMP**



# Application Tips

We've made choosing the right traction control products for your snowmobile simple. Discover what studs you need, how many, what length, and the part number.

## IMPORTANT!

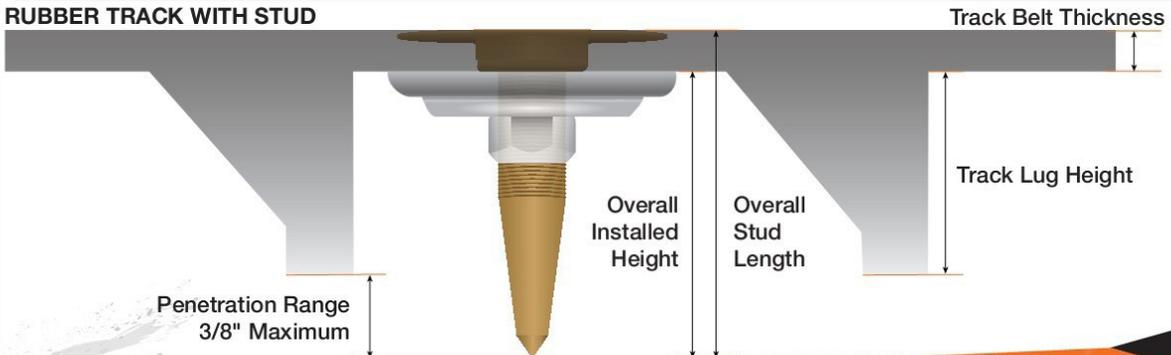
Review the snowmobile and track manufacturer's studding recommendation in your owner's manual. You may void your warranty if their recommendations are not followed. Consult your snowmobile dealer about added tunnel protection.

### WOODY'S PENETRATION RECOMMENDATION FOR TRAIL RIDING IS 3/8" MAX

TRACK LUG HEIGHT <small>*VARIABLE - 0-3%</small>	PENETRATION RANGE <small>*VARIABLE +/- .015</small>	OVERALL STUD LENGTH <small>5/16" Stud</small>	OVERALL INSTALLED HEIGHT <small>5/16" Stud</small>	GOLD DIGGER® TRACTION MASTER® <small>5/16" Stud</small>	MEGA-BITE® <small>5/16" Stud</small>	SIGNATURE SERIES™ <small>5/16" Stud</small>	GRAND MASTER® <small>Single-Ply 5/16" Stud</small>	GRAND MASTER PRO™ <small>Single-Ply 5/16" Stud</small>	TRIGGER™ <small>5/16" Stud</small>	CHISEL TOOTH™ <small>5/16" Stud</small>
0.525	0.345 - 0.375	1.160	1.000	GDP6-7500 <small>(7mm stud)</small>	-	-	-	-	-	-
0.750	0.345 - 0.375	1.265	1.125	GDP6-8755	-	-	-	-	-	-
0.820	0.295 - 0.325	1.265	1.125	GDP6-8755	-	-	-	-	-	-
	0.320 - 0.350	1.340	1.170	GDP6-9205	-	-	-	-	-	-
	0.400 - 0.430	1.420	1.250	GDP6-1005	-	SSP-1005	-	-	-	-
0.850	0.245 - 0.275	1.265	1.125	GDP6-8755	-	-	-	-	-	-
	0.310 - 0.340	1.340	1.170	GDP6-9205	-	-	-	-	-	-
	0.370 - 0.400	1.420	1.250	GDP6-1005	-	SSP-1005	-	-	-	-
0.880	0.215 - 0.245	1.265	1.125	GDP6-8755	-	-	-	-	-	-
	0.270 - 0.300	1.340	1.170	GDP6-9205	-	-	-	-	-	-
	0.350 - 0.380	1.420	1.250	GDP6-1005	-	SSP-1005	-	-	-	-
0.910	0.320 - 0.350	1.420	1.250	GDP6-1005	-	SSP-1005	-	-	-	-
	0.390 - 0.420	1.495	1.330	GDP6-1075	MEG-1075	SSP-1075	GMP-1075	GMPP-1075	TRIG-1075	CAP-1075
0.920	0.310 - 0.340	1.420	1.250	GDP6-1005	-	SSP-1005	-	-	-	-
	0.380 - 0.410	1.495	1.330	GDP6-1075	MEG-1075	SSP-1075	GMP-1075	GMPP-1075	TRIG-1075	CAP-1075
1.000	0.220 - 0.250	1.420	1.250	GDP6-1005	-	SSP-1005	-	-	-	-
	0.300 - 0.330	1.495	1.330	GDP6-1075	MEG-1075	SSP-1075	GMP-1075	GMPP-1075	TRIG-1075	CAP-1075
1.100	0.320 - 0.350	1.600	1.425	GDP6-1175	MEG-1175	SSP-1175	-	-	-	CAP-1205
1.250	0.320 - 0.350	1.740	1.580	GDP6-1325-S	MEG-1325-S	SSP-1325-S	GMP-1325	GMPP-1325	TRIG-1325	CAP-1325
1.375	0.345 - 0.375	1.875	1.700	GDP6-1450-S	MEG-1450-S	SSP-1450-S	GMP-1450	GMPP-1450	TRIG-1450-S	-
1.500	0.345 - 0.375	1.980	1.825	GDP6-1575-L	MEG-1575-L	-	GMP-1575	GMPP-1575	TRIG-1575-S	-

\*Woody's recommends .375" maximum for optimum penetration. Deviating from this recommendation can result in premature track wear, tunnel damage, and/or loss of control. Rows highlighted in gray are Woody's recommendation for that lug height. Other options are based on preference.

#### RUBBER TRACK WITH STUD



# Woody's Wear™

You can never be prepared enough for winter... unless you shop our Woody's Wear™ collection at [WoodysTraction.com/woodys-wear](http://WoodysTraction.com/woodys-wear). Layer up with our Woody's® apparel, grab a koozie for your favorite beverage, and when it's all said and done, store it in a Woody's® gear bag for next time. Men's apparel is available in sizes S, M, L, XL, 2X, and 3X, while women's apparel is available in sizes S, M, L, XL, 2X. Quantities are limited; sizes available while supplies last.

## New >>> UNISEX LONG SLEEVE TEE - GRAY



- Preshrunk long sleeve t-shirt
- 50% Cotton, 50% Polyester
- Unisex sizing
- Ribbed collar and cuffs
- Screen printed logo

Part Number: 202-VERTICAL-GRAY

## New >>> UNISEX LONG SLEEVE TEE - BLACK



- Preshrunk long sleeve t-shirt
- 50% Cotton, 50% Polyester
- Unisex sizing
- Ribbed collar and cuffs
- Screen printed logo

Part Number: 202-VERTICAL-BLK

## New >>> MEN'S 1/4 ZIP



- 100% Polyester Pullover
- Embroidered logo
- Breathable, moisture-managing interlock fabric with UV protection
- 1/4 length silver zipper
- Relaxed fit with moisture management and thumb holes

Part Number: 402-M-1/4ZIP-BLK

## New >>> UNISEX CREWNECK SWEATSHIRT - GRAY



- Crewneck sweatshirt
- Embroidered logo
- 50% Cotton, 50% Polyester
- Unisex sizing
- Pill-resistant air jet yarn

Part Number: 302-CREW-WE-GRAY

## New >>> UNISEX CREWNECK SWEATSHIRT - BLACK



- Crewneck sweatshirt
- Embroidered logo
- 50% Cotton, 50% Polyester
- Unisex sizing
- Pill-resistant air jet yarn

Part Number: 302-CREW-WE-BLK

## New >>> WOMEN'S 1/4 ZIP



- 100% Polyester Pullover
- Embroidered logo
- Breathable, moisture-managing interlock fabric with UV protection
- 1/4 length silver zipper
- Moisture management with thumb holes

Part Number: 402-W-1/4ZIP-BLK



Our merchandise for men and women allows you to show everyone you're riding Woody's®. Make your wardrobe as powerful as your ride by shopping our Woody's Wear™ collection.

Ride safe, ride with Woody's®.



### MEN'S SNOW T-SHIRT



- Super Soft "Spectra Spun" t-shirt
  - Preshrunk 4.3-4.5-oz cotton polyester blend 52/48
- Part Number: 102-M-SNOW

### MEN'S FADE T-SHIRT



- "Open End Yarn" 100% cotton tubular t-shirt
  - Preshrunk 6.0-oz
- Part Number: 102-M-FADE

### MEN'S RIDE ZIP HOODIE



- Heavyweight zip hoodie
  - Made of 8.53-oz ringspun cotton polyester blend 80/20
- Part Number: 302-MZIP-RIDE

### WOMEN'S TREE V-NECK T-SHIRT



- Soft and comfortable tag-free V-neck
  - 5.4-oz, 100% cotton
- Part Number: 102-WV-TREE

### WOMEN'S SNOWFLAKE T-SHIRT



- Super soft "Spectra Spun" 100% cotton t-shirt
  - Tailored crew neck fit for women
  - Preshrunk 4.3-4.5-oz
- Part Number: 102-W-SNOWFLAKE

### WOMEN'S RIDE ZIP HOODIE



- Heavyweight zip hoodie
  - Made of 8.53-oz ringspun cotton polyester blend 80/20
- Part Number: 302-WZIP-RIDE

# Woody's Wear™

"I am the Kenosha County, WI Director for the AWSC and also the Trailmaster for my club and the Kenosha County Snowmobile Alliance. I have used Woody's track studs for many years and am totally impressed with their performance, but more importantly, how long they last. I currently have a 2007 Arctic Cat F-8. I installed Woody's studs upon purchasing it and they are still there after more than 10,000 miles. They show very little wear and I am totally impressed. My 2015 Arctic Cat also has Woody's studs... wouldn't use anything else. Thank you for your continued support, but more importantly, for manufacturing and selling an outstanding product!"

—Arlyn Baumgarten – Kenosha, WI – March, 2016

## MEN'S FACTORY RACING PULLOVER HOODIE



- Heavyweight pullover hoodie
  - Made of 8.53-oz ringspun cotton polyester blend 80/20
- Part Number: 302-MPULL-FR

## MEN'S FLEECE JACKET BLACK



- 8.6-oz 100% polyester fleece
  - Zippered pocket on the right chest and lower zippered hand pockets
  - Draw cord waist, water-resistant fabric and full zip front
- Part Number: 402-M-FLJKT-BLACK

## MEN'S FLEECE JACKET NAVY



- 8.6-oz 100% polyester fleece
  - Zippered pocket on the right chest and lower zippered hand pockets
  - Draw cord waist, water-resistant fabric and full zip front
- Part Number: 402-M-FLJKT-NAVY

## WOMEN'S SNOWFLAKE PULLOVER HOODIE



- Heavyweight pullover hoodie
  - Made of 8.53-oz ringspun cotton polyester blend 80/20
- Part Number: 302-WPULL-SNOWFL

## WOMEN'S FLEECE JACKET BLACK



- 8.6-oz 100% polyester fleece
  - Zippered pocket on the right chest and lower zippered hand pockets
  - Draw cord waist, water-resistant fabric and full zip front
- Part Number: 402-W-FLJKT-BLACK

## WOMEN'S FLEECE JACKET PINK



- 8.6-oz 100% polyester fleece
  - Zippered pocket on the right chest and lower zippered hand pockets
  - Draw cord waist, water-resistant fabric and full zip front
- Part Number: 402-W-FLJKT-PINK



"Just a quick note to say that we always use Woody's for our snowmobile stud needs! Woody's is the best! We would not consider looking anywhere else. We bought a new sled in 2013 and studded it out with Woody's studs and we are shopping for a new 2016 right now and we will be back purchasing Woody's again! Our Woody's studs hold up even when we keep our sleds for almost 10 years. Great, dependable products. Thanks for your good products and service!"  
 – Bart and Michelle Rockow – Prairie Riders Snowmobile Club - Pleasant Prairie, WI – March 2016

### WOODY'S® JERSEY



- 100% Polyester
  - Orange/Gray/Black/White
- Part Number: 202-JERSEY

### New >>> WOODY'S® CUT-OUT LOGO T-SHIRT



- 50/50 DryBlend t-shirt
  - Gray shirt with black screen
  - printed logo
- Part Number: 102-PROMO-GW

### WOODY'S® 2-WAY REVERSIBLE BEANIE



- Reversible, classic fitted, 100% acrylic knit beanie
  - Black side: Woody's and Sled Guy logo embroidered on front
  - Orange side: Stud design with embroidered Traction and Control
  - Hand wash, lay flat to dry
- Part Number: 502-2WAY

### WOODY'S® SLED HAT



- Black twill hat
  - Velcro closure
- Part Number: 502-SLED

### WOODY'S® MESH HAT



- Black hat with mesh
  - Snap back closure
- Part Number: 502-MESH

### TEAM WOODY'S® BALACLAVA



- Sublimated mid-weight balaclava face mask
  - Super-fine micro-fleece inside, slick polyester outside
- Part Number: 502-BALV

# Woody's Wear™

"We have been snowmobiling with studs and traction products on our snowmobiles for more than 20 years. We had tried other brands, but we switched to Woody's about 15 years ago and would never use any other brand again. Woody's traction control products are far superior to all other brands in our opinion. They stay sharper than any other brand out there. We recommend Woody's products to everyone in our snowmobile club."

—Tom and Leigh Ann Petrusky (Prairie Riders) – Pleasant Prairie, WI – March 2016

## TEAM WOODY'S® TRAILER DECALS



Dimensions: 21-5/8" x 32-1/2"

Available in:

- Red - Part Number: TEAM-TRAIL-R
- Green - Part Number: TEAM-TRAIL-G
- Yellow - Part Number: TEAM-TRAIL-Y
- Blue - Part Number: TEAM-TRAIL-B

## TEAM WOODY'S® TRAILER DECALS



Decal your trailer and show them you're riding with Woody's®.

Dimensions: 23" x 9"

Part Number: TEAM-TRAIL-10

## WOODY'S® DECALS



Dimensions: 6" x 2"

Available in orange

Part Number: WDY-DECALP-0

## REFLECTIVE WOODY'S® DECALS



The reflectiveness of our decals can help other snowmobilers and vehicles see you, contributing to night safety. This four-piece package includes two orange and two silver reflective decals.

Dimensions: 6" x 2"

Part Number: WDY-REFDEC-10



“Hey guys! Huge fan here, I love the Dooly runners and now have converted not only my wife but a few others in to switching to the Dooly as well! My wife loves them because it takes 100% of the darting out of her ride so she actually enjoys it....that’s what we call a game changer! I love them because the extra bite you can get in the corners makes it handle like you’re on rails!”  
 Doug Corkum – Dartmouth, Nova Scotia Canada – March 2016

### WOODY’S® TWIST NEOPRENE KOOZIE



2.5mm Neoprene Koozie  
 Part Number: 702-KZNE02.5-WT

5mm Neoprene Koozie  
 Part Number: 702-KZNE05-WT

### WOODY’S® GEAR BAG



- Black and orange with screen printed Woody’s logos
  - 37" x 14" x 18"
  - Wide opening and flexible for gear
  - Mesh storage on each end
- Part Number: 602-GB

### WOODY’S® IRON-ON PATCH



- 4" x 2.5" iron-on patch
  - Black with orange embroidery
- Part Number: WDY-PATCH-1

