



Nimbus® Synthetic Winch lines are the ultimate replacement to metal winch lines. Nimbus' synthetic fibers are light, flexible, and stronger than steel. The stainless-steel thimble protects the rope when using a metal hook.

Components, Identification Marks & Load Ratings:

Nimbus Synthetic Winch Lines

Nimbus Synthetic Winch Lines are not rated for lifting. The identification marks & load ratings are located next to the thimble. WLL is the rated Working Load Limit for the winch line. The improper use of synthetic winch lines can result in serious accidents. In accordance with ASME B30.26, shackles and winch lines are to be inspected before every use. If winch line identification is removed, cut or unreadable either by intense friction or by improper storage/care, discontinue use.



How to Use:

Inspect the winch line before each use. If the winch line shows any signs of being frayed, cut, burned, melted, unbraided or excessively worn, discontinue use immediately.

Always leave at least 9 coils of winch line around the drum whenever you use the winch as this keeps the line from slipping off the drum. There is a red mark about 5' from the end of the winch line as a guide to help you from unspooling too much winch line. It is good practice to unspool the entire winch line after every use and respool it properly. For longevity, it is recommended to keep the winch covered to keep it free from moisture, debris, and sunlight.

On the leading end of the winch line extension, install a shackle of your choice around the stainless-steel thimble. It is the user's responsibility to select a hook to install on the thimble end of the winch line that meets or exceeds the working load of the winch line.



Install your own hook

Instructions:

Step 1: Before removing the old line from your winch, make a note on how it was attached to the drum. Most off-road winches will have a threaded hole on the drum flange that will allow attachment of the synthetic winch line with a button head Allen bolt. Other winches may have different methods.

Step 2: Remove the existing winch line and roller fairlead from your winch. Inspect the drum to make sure there is nothing sharp that can damage the rope after installation. Make sure the drum does not have any sharp burrs or gouges as steel lines are known to damage the drum. If needed, file and sand any sharp edges until the drum surface is smooth. Make sure no metal shavings are on the drum or surrounding areas.

Step 3: If the previous winch line was made of steel, a new fairlead needs to be installed before spooling on the new line. Aluminum hawse fairleads work well with synthetic winch lines since they provide a smooth surface that will not damage the rope. Many cast steel hawse fairleads do not have a smooth enough surface for synthetic rope and must not be used. Steel roller fairleads are acceptable to use, just make sure the rollers are smooth and not burred or gouged. Make sure that the rollers overlap each other as some older roller fairleads do not have overlapping rollers and have a gap in the corner of the fairlead. A winch line could get caught in this gap during use and get damaged. Regardless of the fairlead type, make sure there is enough clearance between the opening of the fairlead and the edges of the mounting plate. We recommend at least 3/8 - 1/2" of clearance. Otherwise, the winch line can get cut on the sharp edge of the fairlead plate.

Step 4: The winch line has an angled stitch at the tail end for ease of assembly. Insert the terminal end of the winch line through the fairlead and feed with winch line underneath the drum and over the top to the mounting point.

Depending on your winch design, you can either:

- A. Thread the tail end of the winch rope through the hole, wrap it around the drum and tie a knot to attach it to the drum.
- B. Poke a hole above the stitched tail (centered halfway from each side of the rope) and insert a bolt and washer to attach it to the drum. Our design generally prevents the need of a longer bolt for installation.



Sewn tail for easy installation on all winch types

Step 5: Uncoil the winch line and lay it on the ground before you begin to spool the winch line to the winch. Keeping your hands clear of the winch, guide the rope in making sure the wraps are neat and tight. It is helpful to have two people at this point, one to guide the rope in and one to work the winch controls. Neatly coil the rope allowing the rope to stack up on the drum in layers. A neat set of wraps will function better and allow you to put more rope on the winch. Wrap the first 7-9 layers by tensioning the winch line by hand (keep your hands clear of the fairlead). After your first 7-9 layers apply about 500 lbs. of pressure to the winch line as you finish spooling the winch line neatly into the winch.

Nimbus Synthetic Winch Lines Extensions

Winch line extensions provide extra reach to the synthetic winch line stored on a winch drum.

How to Use:

Inspect the winch line extension before each use. If the extension shows any signs of being frayed, cut, burned, melted, unbraided or excessively worn, discontinue use immediately. If tail sleeve shows signs of damage or excessive wear, discontinue use immediately.

Unlike winch lines, these extensions have a large loop on the tail of the extension to connect to winch lines. Use a hook or shackle to attach your winch line to the extension tail.



Kevlar Sleeve on Tail Reduces Wear

On the leading end of the winch line extension install a shackle of your choice around the stainless-steel thimble. It is the user's responsibility to select a hook to install on the thimble end of the winch line that meets or exceeds the working load of the winch line.



Install your own hook

Winch line extensions should only be connected to winch lines while in use. When not in use, the winch line extensions should be stored inside the vehicle in a dry place out of direct sunlight.

25 and 27 SERIES

Nimbus Synthetic Tow Rope

Instructions:

1. Only use Nimbus™ tow rope for vehicle and equipment tow. Check to make sure the rope is strong enough for the item you are towing and the payload it is carrying. The total weight should be at less than 1/3 the breaking strength of the rope you are using. It is the user's responsibility to ensure the rope is used correctly for the right application. Improper use can result in injury, death, and property damage.
2. The rope needs to be straight without any twists before attaching to both vehicles. Make sure there are no sharp objects between the two vehicles to prevent damage to the rope.
3. Only attach the shackles on the black fabric sleeves on the end of the rope. Use factory approved towing points on the vehicles – i.e. eye loops are generally on the front and back of the bottom side of the vehicles. Check the owner's manual of both vehicles/equipment to confirm approved towing points. Shackles with the same or greater load capacity are to be used to connect the rope to the towing points.
4. Never use a bumper or tow hitch. This can slip off and cause damage to the vehicles and injure anyone within range.
5. Make sure no one is within range of the rope at all points of the vehicle Tow.
6. Provide plenty of room between the vehicles.
7. Slowly take up all slack on the tow rope. Put the vehicle being towed in neutral then start the tow.
8. After use, clean the rope with a garden hose and allow to dry (if needed) before storing it away



SIZE AND APPLICATION CHART:

Item # (20 Ft)	Item # (30 Ft)	Item # (50 Ft)	Breaking Strength (lbs.)	Working Load (lbs.)
24-2050020	24-2050030	24-2050050	70,000	23,300
24-2056320	24-2056330	24-2056350	86,000	28,600
24-2062520	24-2062530	24-2062550	111,000	37,000
24-4050020	24-4050030	24-4050050	140,000	46,667
24-4056320	24-4056330	24-4056350	172,000	57,200
24-4062520	24-4062530	24-4062550	222,000	74,000

Warnings:

Do not use Nimbus synthetic winch lines, winch line extensions or tow ropes to lift or pull any object vertically. Never shock-load the rope. Always leave at least 9 coils of winch line around the drum whenever you use the winch as this keeps the line from slipping off the drum. Do not exceed the winch line's rated work load. Do not use the winch line if you are unsure if you will exceed the rated load. Always check owner's manual of the items your attaching to ensure the item is safe to attach the winch line. Always attach the shackle to an anchor point designated by the item's manufacturer. Never attach to a bumper or tow hitch. Attaching the shackle to an improper item can cause the item to be damaged or dislodged and can cause harm to people in the vicinity. Keep winch line and shackle away from sharp edges, corrosive chemicals and heat over 140° F. This product is not for highway use, or prolonged towing.

California Prop 65 Warning: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65warnings.ca.gov

Care and Storage:

Only hose off shackle, winch line, extension or tree saver with water and air dry. Store indoors or inside a vehicle out of direct sunlight. Replacement locks and abrasion sleeves are available for purchase.

Warranty:

Your Nimbus Synthetic winch, winch line extension or tree saver line is warranted to be free from defects in material and workmanship for a period of 1 year (warranty period) from date of purchase, or if you placed a special order with us from date of receipt of product. During the warranty period Fusion Tools, Inc. will, at its option, repair or replace without charge any part of our product found to be defective in material or workmanship (shipping cost may be subject to charge).

This warranty does not extend to any product which has been subject to misuse, abuse, negligence, accident, alteration, improper installation, exceeding recommended weight limits, abrasion, scratches, discoloring, damaged caused by usage in temperatures below freezing, contact with items over 140 degrees Fahrenheit, wetness, extreme weather conditions, exposure to chemicals, removed or damaged identification markings and unauthorized repair, of the tag unreadable or removed. If product becomes structurally damaged immediately discontinue use.

ASSUMPTION OF RISK: YOU FULLY UNDERSTAND that: (a) PULLING WITH NIMBUS IS AN ACTIVITY THAT INVOLVES RISK AND DANGER of serious bodily injury, including permanent disability, paralysis and death ("Risks"); (b) these Risks and dangers may be caused by your own actions, or inactions, the actions or inactions of others participating in the activities or the condition in which the use takes place; (c) there may be other risks and social and economic losses either not known to Customer or not readily foreseeable at this time; and (d) YOU FULLY ACCEPT AND ASSUME ALL SUCH RISKS AND ALL RESPONSIBILITY FOR LOSSES, INJURIES, COSTS, AND DAMAGES YOU incur, or may incur, as a result of the use of Nimbus.

DISCLAIMER OF WARRANTIES AND LIMITATION OF REMEDY:

EXCEPT FOR THE LIMITED WARRANTY SET FORTH ABOVE, AND TO THE EXTENT ALLOWED BY LOCAL LAW, FUSION TOOLS, INC. PROVIDES NO WARRANTY WITH REGARD TO THE NIMBUS PRODUCT

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The invalidity in whole or in part of any of these terms and conditions shall not affect the validity or enforceability of any other term or condition.

These terms and conditions of purchase shall be governed and interpreted according to laws of the United States of America and Tennessee law. Any action to enforce this Agreement shall have as its venue solely and exclusively in, Sumner County, TN. By placing this order, Customer expressly consents to personal jurisdiction over Customer in the Tennessee courts. IN THE EVENT OF ANY LITIGATION ARISING OUT OF, OR TO ENFORCE THIS AGREEMENT, EACH PARTY EXPRESSLY WAIVES ALL RIGHTS TO TRIAL BY JURY OF ANY SUCH ACTION.

The literature included with this product has been written for your safety. If you do not accept the terms and conditions herein do not use this product and return it within 7 days after purchase. By keeping this product, you are agreeing to these terms and conditions. If returning products, return them to the store of purchase within the warranty period. No returns will be accepted after the warranty period unless special provisions have been made with the store of purchase (see store of purchase for further details). If you purchased your product directly from Fusion Tools please contact the Fusion Tools Customer Service Department for a Return Merchandise Authorization (RMA) number and return shipping instructions. Products returned to Fusion Tools without an RMA number will not be accepted. After receipt of an RMA number, the defective product must be returned to Fusion Tools within 30 days of the RMA approval of it will result in loss of refund or replacement.

Patent Pending

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