

ATTACHING DYNAMICA ROPE TO THE WINCH DRUM

1. Remove old rope from drum, clean the drum of any dirt and file smooth any rough marks.
2. Check fairlead rollers for any rough marks and file smooth where necessary. Check for any end float in the rollers (they should rotate easily and have no perceptible end float).
3. If using a metal hawser/slot check there are no sharp edges or damaged areas where the Dynamica rope could be damaged.
4. Beadlock Australia recommends "plastic" hawser slots as these are slightly self-sacrificial and maintain the rope in good condition.
5. When fitting the rope to the drum attach lug to the securing bolt (or in the case of Warn M10,000 – 12,000 – 15,000 and 8274 winches cut lug from rope, bind end in electrical tape and lead into hole on drum and secure with a rope clamp and reel winch in four turns holding the rope tight by hand.
Attach the hook end of the rope to a tree (using tree trunk protector) on a gentle slope upwards. Allow vehicle to reverse until rope is taught and then wind in the rope making sure vehicle is in line with winching point.
Rope must be wound onto the drum at all times under tension to help prevent "bird nesting" (rope slipping down between the layers of rope when under heavy tension.)

GOOD WINCHING PRACTICE

- Attach the hook to a tree trunk protector or ground anchor.
- If the rope passes over a rock, stump, tree or any sharp or abrasive surface move the orange protective sleeve to this position to protect the rope.
- Always align the vehicle in a straight line to the winching point to allow the rope to pull squarely onto the drum.
- Do not lower a vehicle fitted with a low mount winch for more than 8-10m, because the safety brake which is fitted inside the winch drum could generate enough heat to cause deterioration of the Dynamica rope. Fitting of the 21 mm protective sleeve to the first layer of rope on the drum could help this situation and allow the vehicle to be lowered further.

CARE, ATTENTION & CLEANING OF ROPE

1. Although the rope has better abrasion fatigue than other synthetic ropes, it is still a synthetic rope and should be treated as such.
2. Do not pass the rope over sharp edges.
3. To clean, place rope in large bucket of soapy water, agitate from time to time to assist dirt to fall out from between fibres of rope.
4. Rinse in 2nd bucket of clean water, allow to dry and install under tension onto winch drum.
5. For vehicles left for long periods outside we suggest placing a canvas/plastic cover over the exposed top section of the winch to protect the rope from UV and the weather.
6. Covering the rope with a protective sleeve will greatly increase the life of your rope, it is not expensive.
7. Periodically check the rope for cuts or damaged areas. For deep cuts, remove damaged section and splice back together.
8. Remember that splices have 90% of the breaking load, knots only 40%.

stronger than steel dynamica rope

Light weight Synthetic Replacement Winch Rope

- **20% stronger** than a steel wire rope of the same diameter.
- Less than **one tenth the weight** of steel rope.
- Made from Dyneema, the **world's strongest** man made fibre.
- It stores very little energy, therefore has little backlash if broken **improving safety**
- Tremendous **stability** against UV light.
- **Resistant** to chemicals.

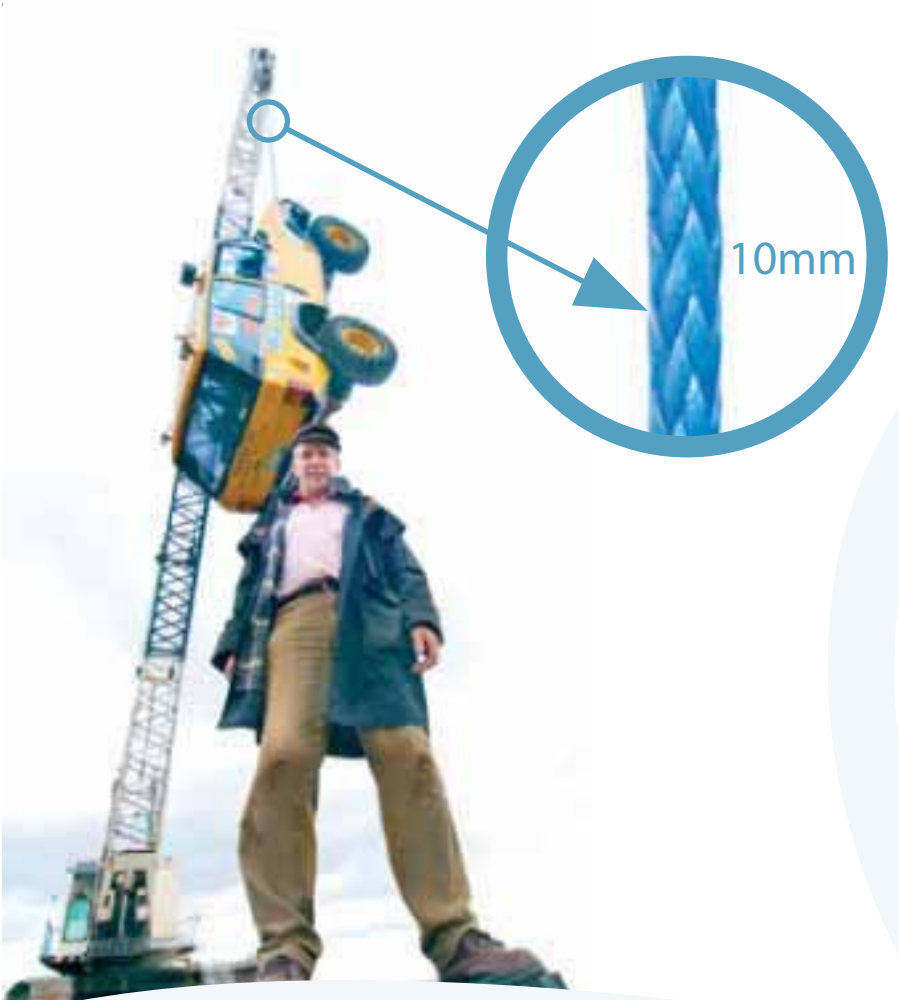


Includes:

- Spliced at one end with wear protector
- Two metre sliding rope protector sleeve
- Lug to secure end to winch drum

stronger than steel
dynamica
rope

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ADVANTAGES OF DYNAMICA WINCH ROPE

- 20% stronger than a steel wire rope of the same diameter.
- Less than one tenth the weight of steel rope.
- It stores very little energy, therefore has little backlash if broken, improving safety.
- Tremendous stability against UV light.
- Made from Dyneema, the worlds strongest manmade fibre.
- The rope has natural buoyancy (it floats on water) and has the same strength wet or dry.
- Resistant to chemicals.
- Will not kink.
- Lower weight over the front axle.
- The rope endures far more and far greater loads (as a percentage of breaking strength) then steel wire and other synthetic fibres.

Rope Size	Breaking strain at splice (tonnes)	Rope Size	Breaking strain at splice (tonnes)
6mm	3.3	14mm	20.0
8mm	6.6	16mm	24.0
10mm	8.5	18mm	32.2
12mm	16.0	26mm	55.0

