DONAGHYS
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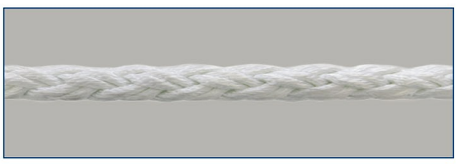
Kinetic Energy Tow Rope



FEATURES

- Converts the kinetic energy of a towing vehicle into elastic potential energy, which greatly assists the recovery of a trapped vehicle without the need for a winch
- Shock absorbing
- Soft

RANGE/TECHNICAL

- 20-80mm with soft eye splices in each end
- Available in white colour

Tonnage	Finished Diameter	Construction
8.3 Tonne	20mm	12 strand
12 Tonne	24mm	12 strand
24.8 Tonne	36mm	12 strand
30 Tonne	40mm	12 strand
42 Tonne	48mm	12 strand
48.8 Tonne	52mm	12 Strand
58 Tonne	58mm	12 Strand
63.8 Tonne	60mm	12 Strand
72 Tonne	64mm	12 Strand
78.5 Tonne	68mm	12 Strand
90 Tonne	72mm	12 Strand
110 Tonne	80mm	12 Strand

APPLICATIONS

- Dynamic Vehicle Recovery
- Tow rope

FIBRE CHARACTERISTICS

Fibre:Type	Description	Specific Gravity	Sensitive to	Resistant to	Heat Reaction	Strength & Elongation
Nylon (Polyamide)	Continuous Filament	1.14	Strong acids and oxidising agents, soluble in formic, sulphuric acids and phenolic compounds	Alkalis, alcohols, esters, hydrocarbons and most bleaches	Softens 229°C Melts 249°C - 260°C	Elongation Dry 40%. Wet 35%. 90-95% strength ratio wet/dry

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Recommended size for use by vehicle weight

Gross Vehicle Weight (tonnes)	Diameter (mm)	Rope Weight (m/kg)	Breakload (kg)
2.00 & under	20mm	3.80	8300
2.50 - 5.00	24mm	2.70	12000
5.00 - 7.99	36mm	1.20	24800
8.00 - 11.99	40mm	0.97	30000
12.00 - 15.41	48mm	0.65	42000
15.50 - 18.49	52mm		48800
18.50 - 21.99	58mm		58000
22.00 - 23.99	60mm	0.40	63800
24.00 - 30.99	64mm	0.37	72000
31.00 - 43.99	68mm	0.33	78500
44.00 - 54.99	72mm	0.29	90000
55.00 - 65.00	80mm	0.24	110000

WARNING

Kinetic ropes can be very dangerous if used incorrectly both to people or property. Because of the more than 20% stretch of a kinetic rope, the forces created with momentum can easily overcome the breaking limits of anchoring points, connectors (shackles) or the kinetic rope. The elasticity of the kinetic rope can create a slingshot effect, which can cause serious damage or injury to people. The manufacturer of these kinetic ropes can not be held responsible for any damage or injury caused.

Basic Principles to keep in mind when using a kinetic rope:

- The first rule is not to expose you or your vehicle to any harm by getting stuck.
- The recovery vehicle must be of similar weight to the bogged down vehicle.
- Only use anchoring points on vehicle that are connected directly to the chassis and are rated by the manufacturer.
- Only use correct size rated connectors (shackles).
- Never use a kinetic rope on a winch or as a winch cable extension.
- Never tie knots in a kinetic rope when connecting it to a vehicle.
- Never use a damaged kinetic rope.
- Never combine or extend this rope with other ropes, webbings, chains or cables.
- Add 20% of the ropes length in the direction of pull, make a mark on the ground, and never exceed this distance with the recovery vehicle when pulling.
- Beware of bystanders in the radius of the length of the rope.
- Keep the rope clean and free from sand or grit.

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