

Mongoose® Heavy Duty Tow Strop

NOW WITH NFC READABILITY & HEAVY DUTY CARRY BAG

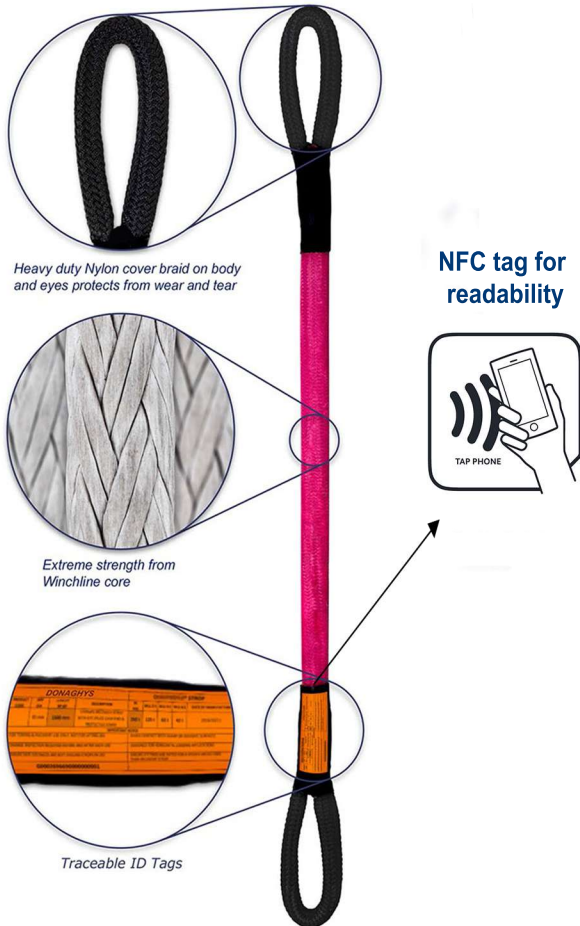


Destruct test video

12 Strand UHMWPE Vehicle Recovery Strop with soft eye in each end

Features/Benefits

- Heavy duty HT Nylon body
- Reinforced soft eyes
- NFC readability
- Ultra high strength to weight ratio
- Lightweight and flexible to reduce the risk of back injuries and assists on site handling
- Low elongation
- Minimal recoil and kinetic energy at break
- Traceability (durable I/D tags)
- Reduced hand injuries i.e. no fish-hooking like wire rope
- Heavy duty tight HT Nylon cover to minimise ingress of grit and assist cleaning
- Highly resistant to wear and flex fatigue
- Stropps to 500 Tonne, other tonnages available on request
- Certified to tonnage rating
- Heavy duty zip carry bag
- Thimbles & hardware available on request
- Mongoose strop repair service available subject to inspection



Heavy duty Nylon cover braid on body and eyes protects from wear and tear

NFC tag for readability



Extreme strength from Winchline core

Traceable ID Tags

Round thimbles & Tube thimbles available on request



Range	Eye Size (mm)	Approx. unit weight of completed strop (kg)							
		1-3m	6m+	1m	3m	6m	10m	15m	20m
BreakForce (tonne)	Finished Diameter (mm)								
30	32	300	600	0.8	2.3	4.5	7.0	10.5	14.0
50	38	300	600	2.0	4.0	6.5	10.0	15.0	20.5
70	44	300	600		4.5	7.5	13.0	17.0	28.0
100	48	300	600		6.0	12.0	15.5	29.5	34.0
150	65	300	600		8.0	14.5	24.0	36.0	47.0
200	75	300	600			18.3	30.5	45.5	61.0
250	78	300	600			22.2	37.0	55.5	74.0
300	82	N/A	1000			26.1	43.5	65.0	87.0
350	86	N/A	1000			30.6	51.0	76.5	102.0
400	92	N/A	1000			35.1	58.5	87.8	117.0
450	102	N/A	1000			39.6	66.0	99.0	132.0
500	108	N/A	1000			44.4	74.0	111.0	148.0

Gross Vehicle Weight (GVW)

Mongoose Break Force (Tonnes)	DISTRESSED VEHICLES - GVW*			HILL OR GRADIENT TOWING - GVW*		
	Towing from general muddy, slippery conditions	Towing from Medium bogged position in mud	Towing from Heavy to Extreme entrenched position	6° Incline 1m Gradient over 10m distance (1:10)	10° Incline 1m Gradient over 6m distance (1:6)	15° Incline 1m Gradient over 4m distance (1:4)
30	60	30	20	120	64	41
50	100	50	35	201	106	68
70	140	70	50	281	148	95
100	200	100	70	401	212	135
150	300	150	100	602	318	203
200	400	200	140	803	424	271
250	500	250	170	1004	529	338
300	600	300	200	1204	635	406
350	700	350	245	1405	741	474
400	800	400	280	1606	847	541
450	900	450	315	1807	953	609
500	1000	500	350	2007	1059	676

* The weight of a vehicle in tow based in Tonnes



Technical Data & In Use Examples

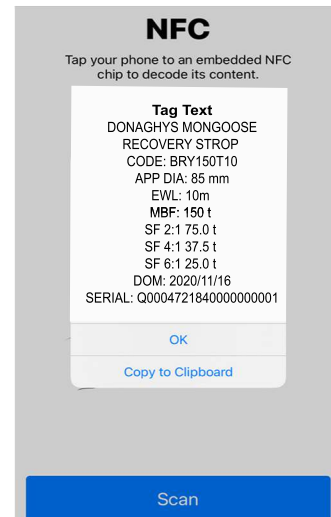
Suitable for light, medium & heavy vehicle recovery



Care & usage guideline

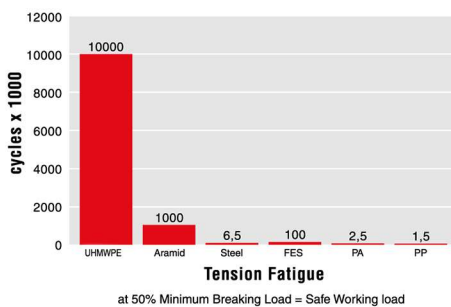


HD zip bag supplied with every Mongoose [®]

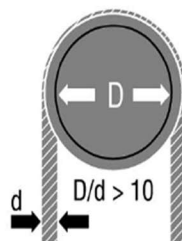


Decode app available from App Store & Google Play Store

Rope properties; tension fatigue

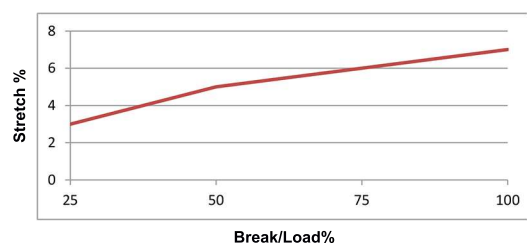


Rope properties; bending fatigue



*To ensure maximum efficiency & safety, anchor point should be no less than 10 x the eye diameter.

Stretch vs Break Load



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
UHMWPE Ultra High Molecular Weight Polyethylene (UHMWPE)	Continuous Filament	0.97 g/cm3	Strong oxidising agents, Chlorosulfonic & Nitric acids at high temperatures. Slightly affected by Sodium Hydroxide (pH>14)	Most acids & alkalis, cold alcohols, ethers, esters, ketones & bleaches	Softens 144°C Melts 152°C	Equivalent wet/dry strength ratio. Elongation 4% at Break

* Jacket elongation will be determined by UHMWPE core material.