

SUPER-12[®] STROP

12-STRAND UHMWPE STROP

With Soft Eyes & Protective Cover

APPLICATIONS

- ▶ Vehicle recovery
- ▶ Vehicle towing

FEATURES

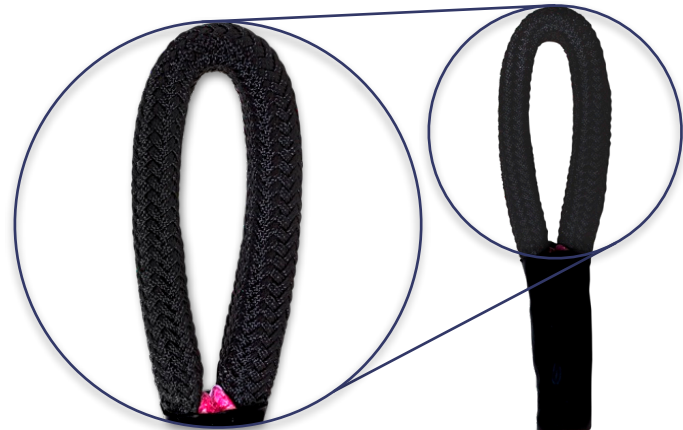
- ▶ Extreme strength-to-weight ratio
- ▶ Lightweight and flexible for easy handling
- ▶ Safer than wire (low recoil)
- ▶ Low elongation
- ▶ High abrasion resistance
- ▶ Heavy duty cover braid on eyes and body to protect against wear and grit ingress
- ▶ Certified tonnage rating
- ▶ Traceable ID tags

TECHNICAL

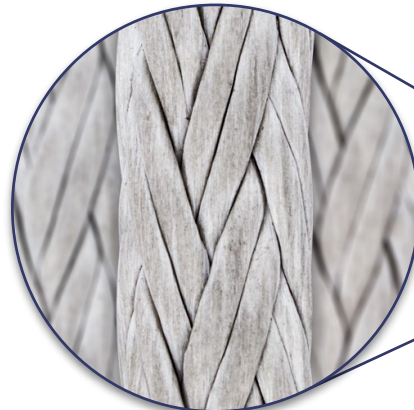
- ▶ Ultra-high molecular weight polyethylene core
- ▶ Polyester-covered eyes
- ▶ Nylon-covered body (30 – 350 t)
- ▶ Polyester tubular webbing body (400 – 500 t)

OPTIONS

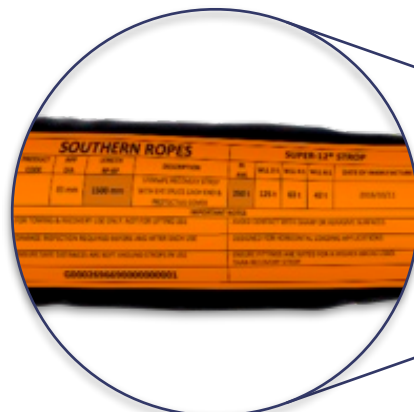
- ▶ Higher break loads
- ▶ Length to order
- ▶ Eye sizes to order (250 mm standard)
- ▶ Colours (pink body and black eyes standard)
- ▶ Thimbles
- ▶ Proof loading with certificate



Heavy Duty Polyester Cover Braid
Protects from Wear & Tear



Extreme Strength from
Super-12[®] Core



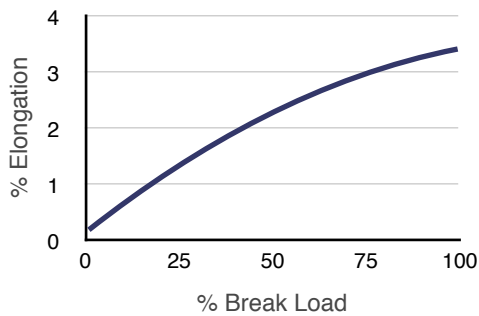
Traceable ID Tags

SUPER-12[®] STROP

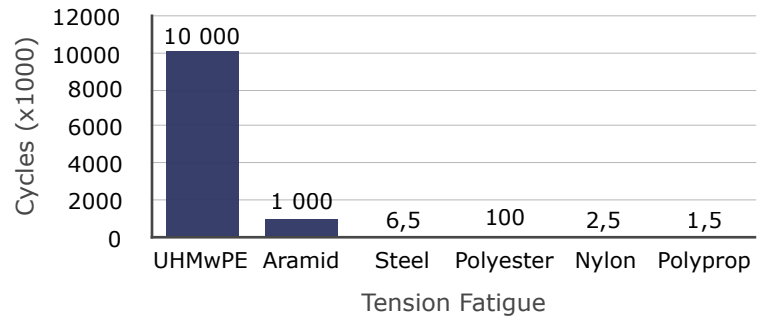
FIBRE PROPERTIES

Fibre Type	Density	Sensitive to	Resistant to	Melting Point	Elongation at Break
UHMwPE	0.97 g/cm ³	Strong oxidising agents, chlorosulphonic & nitric acids at high temperatures	Most acids, alkalis, alcohols, esters, organic solvents & bleaches	152°C	3.5%
Polyester	1.38 g/cm ³	Alkalis, phenolic compounds, sulphuric acid	Most organic acids & solvents & oxidising agents	255°C	15%
Nylon	1.14 g/cm ³	Acids & strong oxidising agents	Alkalis & organic solvents	220°C	23%

Elongation vs Break Load



Tension Fatigue



CONSTRUCTION & MINING VEHICLE RECOVERY APPLICATIONS

Break Load (t)	Vehicle Recovery, GVW (t)			Gradient Towing, GVW (t)		
	General Muddy Conditions	Moderate Conditions	Severe Conditions	6° (1:10)	11° (1:6)	18° (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

Disclaimer: Data provided as a guideline only.

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