

SpanSet[®]

**Lifting &
Load Restraint**



Over 30 years of Load Safety

Whatever the situation, whatever the load, whether lifting or lashing it's vital to know you're in control. That's why it's crucial to insist on SpanSet.

For while the SpanSet name has fast become the acknowledged industry term for industrial load securing systems, only genuine SpanSet products offer the benefit of over thirty years' development expertise - stretching textile technology to new limits.

As the name behind the world's most tried and tested slinging and lashing systems, SpanSet design and manufacturing technology today incorporates lifting, lashing, and personal safety products for industrial, transport, defence and marine applications.

Add the recognised assurances of ISO9001 accreditation and you begin to appreciate the commitment to quality, reliability and innovation that SpanSet continues to deliver.

From the development of ERGO personal safety harnesses to sub-sea securing systems, and from horizontal safety lines for the construction industry to patented ABS lashings that eliminate the dangers associated with snap release systems, the whole SpanSet story is one of safety and security.

In short, on land, at sea or in the air, it pays to rely on SpanSet.



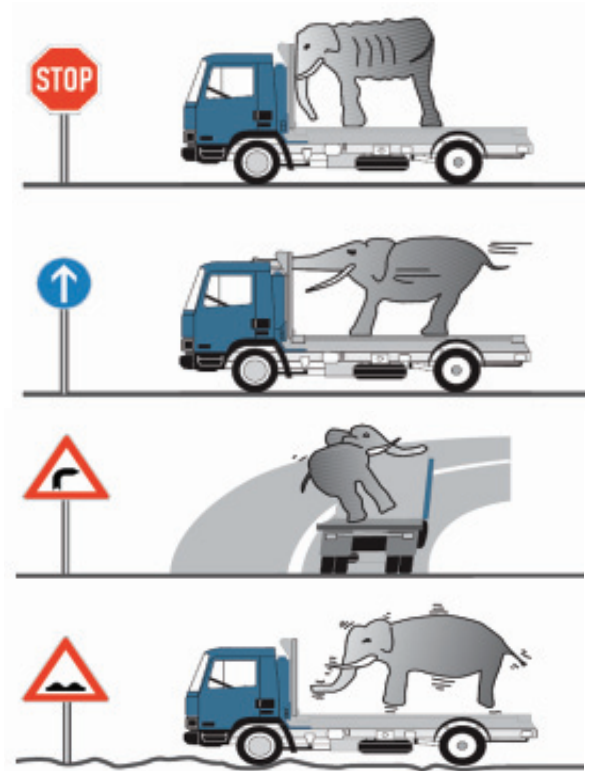
Registered Laboratory
No. 5820



ISO 9001 LIC 5066
Standards Australia

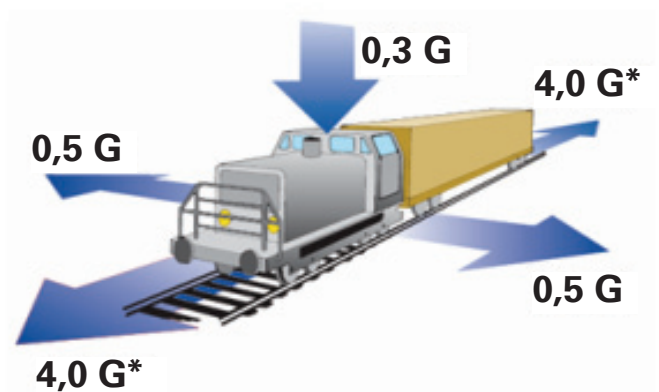
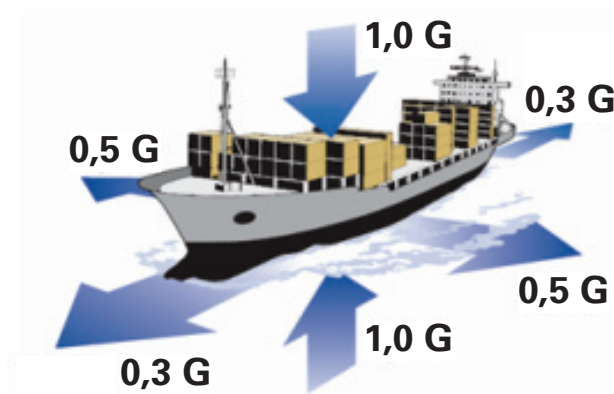
G FORCES

Loads during transport are subjected to G forces when cornering, stopping, accelerating, and in emergencies. This can lead to various movements of the load, which may create serious hazards to both the driver and other road users. Shifting loads can cause serious destabilisation of the vehicle, or penetration of the load through the cabin, particularly in emergency braking situations. These G forces must be taken into account when specifying load restraint equipment.



Other influencing factors to be taken into account are aerodynamic forces, transporting loads over hills and undulating terrain and the friction co-efficient between the load and the surface on which it is transported.

The predicted forces for the various modes of transport can be seen below.



RESTRAINT METHODS FOR DIFFERENT APPLICATIONS

TIEDOWN

This is used to maximise the friction between the load and the deck (friction co-efficient). Tiedown lashings rely on the pre-tension capability of the assembly and not on the overall strength of the system ie: if the system is capable of exerting sufficient pre-tension it is strong enough for the application.

DIRECT

With direct lashings the assembly strength is used to restrain the load, sometimes in several directions, with less emphasis placed on friction values. The angles of the straps can lead to a reduction in overall assembly strength. Note the use of round slings around the awkward load.

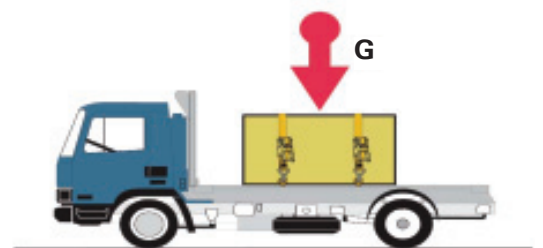
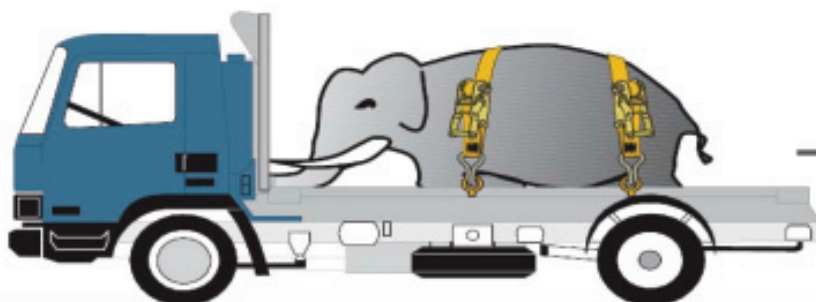
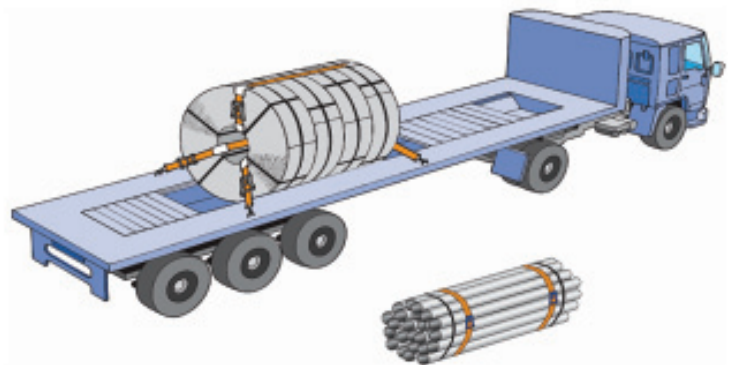
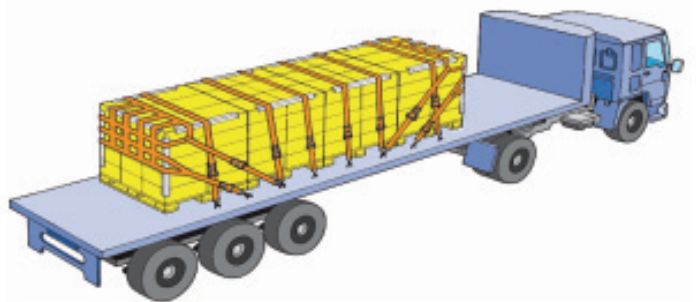
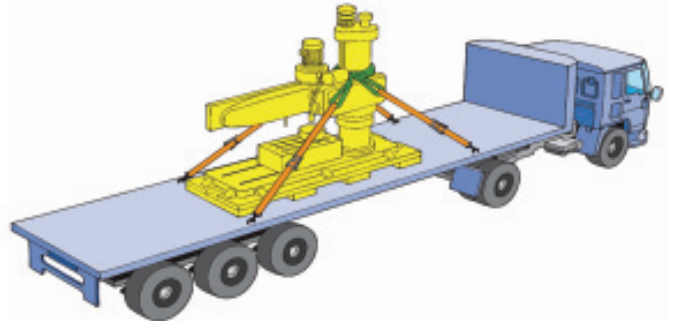
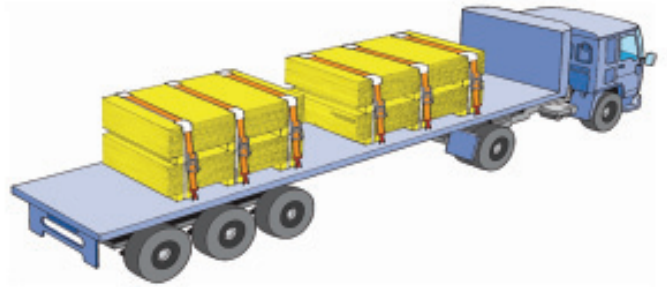
COMBINATION

It is sometimes necessary to combine both direct and tiedown methods to particular loads. This utilises both the strength of the direct lashing and the clamping force of the tiedown.

BUNDLED

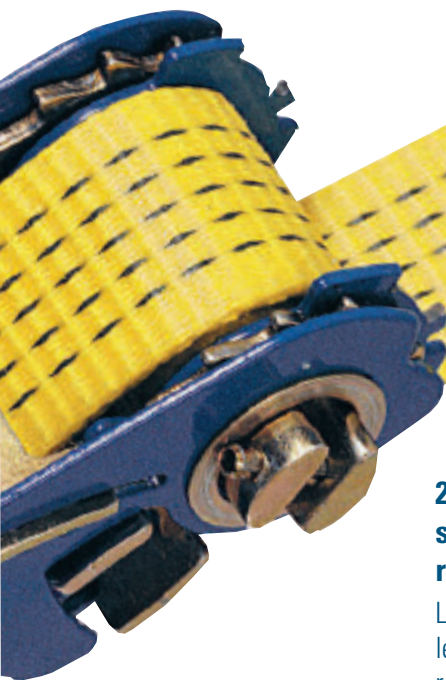
This method is ideally suited to loose pipes or lengths of steel etc. Because of the low friction value between the individual product it is almost impossible to effectively lash these directly to a truck body. Pre bundled product becomes a single unit which can then be lashed to a vehicle.

The aim of an effective tiedown is to apply a downward force on the load in order to increase the friction between the product and the tray. This works in the same fashion as a large "G" clamp locking the load down and therefore preventing forward movement.

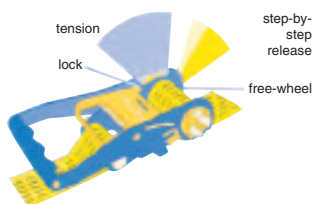


ABS RATCHET: GREATER TENSIONING AND GRADUAL RELEASE

World exclusive: controlled release reduces the risk of accidents!



1. Controlled release reduces the risk of accidents!



This is how it used to be: loosening the ratchet released the webbing tension all at once.

And if the load was not balanced, it was liable to tip over. **The innovative "Antibelt-slip-process" (patent pending) now allows the pretension force to be released in small steps.** Now, if there is a risk of the load tipping over, suitable action can be taken in plenty of time.

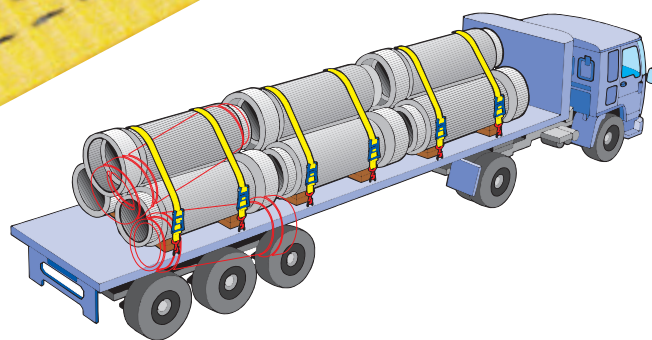
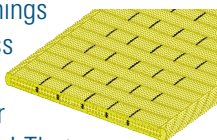
2. SpanSet quality standard: The selflocking ratchet handle

Lash, pull safety lever, close ratchet, secure safety lever in sprocket – this procedure, which is typical for all SpanSet ratchets, prevents the ratchet handle from subsequently jumping out. **Even the greatest vibrations and jolts have no effect.**



3. Ample tension

These lashings stretch less than 10% under full tension! That means no unnecessary re-tensioning during operation, less time and added safety. **The secret of this nonelasticity? The belt is precision thermo-fixed.**



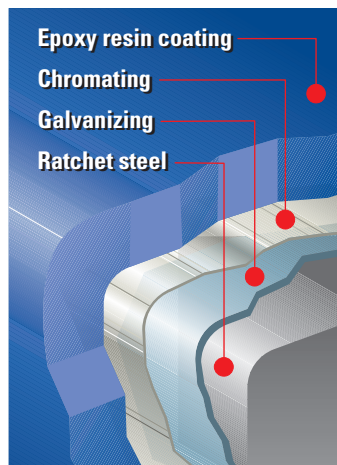
4. The double latch brings more tension in less time

Previously, it was a question of muscle-power whether or not that last, crucial tooth could be reached at the end of the tensioning process. Now, however, there is the patented double latch with its practical intermediate stage which also secures the "half tooth". That means more tension through smaller steps. **The result: quicker, stronger, cheaper and safer!**



5. Quality means very durable in all conditions

Summer heat-waves and winter freezes, rain and salt water, knocks and mishandling: these quality SpanSet ratchets can handle even the toughest things in life. That was why they were galvanised, then chromated and finally coated with a tough epoxy resin. **And because we are so confident in them, we guarantee these ratchets for 1 year.**



TENSION FORCE INDICATOR

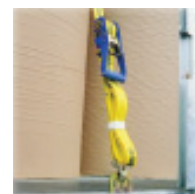
This patented device allows the operator to check at a glance the amount of tension force being applied to the load. It also enables the operator to spot check that the tension has not released during transport due to the load settling or elongation of the webbing. It can be measured in 3 increments -250kg, 500kg and 750kg. TFI comes standard with all 50mm ABS ratchet and web dog assemblies.



20020 ABS - The High-Tech workhorse with TFI

This general purpose ratchet assembly has become the industry benchmark for general transport requirements.

CODE	Description	Lc	Pretension	Length
20020ABS D21-09	50 mm yellow webbing assembly fitted with hooks and keepers	2500 kg	600 kg	9 m
20020ABS D4952-1.5	50 mm yellow webbing assembly, mechanical advantage x 2, fitted with triangles and latch hooks	3000 kg	1200 kg	1.5 m



20035 'ERGO' ABS - The Pre-tension champion with TFI

The highest performing ratchet assembly available is a reverse action type which maximises ergonomic efficiency and utilises an extended handle for greater leverage.

CODE	Description	Lc	Pretension	Length
20035 D21-09	Yellow webbing assembly fitted with hooks and keepers	2500 kg	800 kg	9 m
20035 D60-03	Yellow webbing assembly fitted with 750 mm G70 8 mm chain, 8 mm grab hook	2500 kg	800 kg	3 m





20040 ABS - When the going gets tough!

This powerhouse assembly is the first choice for direct lashing applications in general industry and the military.

CODE	Description	Lc	Pretension	Length
20040 F80-03	75 mm blue webbing assembly fitted with 750 mm G70 10mm chain and grab hook	5000 kg	350 kg	3 m
20040 F83-1.5	75 mm blue webbing assembly mechanical advantage x 2, fitted with triangle and sling hooks	10000 kg	700 kg	1.5 m
20040 V87-08	75 mm blue webbing assembly fitted with hook and keeper	3500 kg	350 kg	8 m



20025 Heavy Duty

Non ABS Budget 75mm Ratchet Assembly

CODE	Description	Lc	Pretension	Length
20025 F80-03	75 mm olive webbing assembly fitted with 750 mm G70 10mm chain and grab hook	5000 kg	350 kg	3 m
20025 F83-1.5	75 mm olive webbing assembly mechanical advantage x 2, fitted with triangle and sling hooks	10000 kg	700 kg	1.5 m
20025 V87-08	75 mm olive webbing assembly fitted with 50 mm hook and keeper	3500 kg	350 kg	8 m



1857 - The All-rounder

Gold passivated ratchet assembly with wide handle and lock down feature. Suitable for any vehicle with tie rails etc.

CODE	Description	Lc	Pretension	Length
1857 D210-09	50 mm orange webbing assembly fitted with hooks and keepers	2500 kg	400 kg	9 m
1857 C00-06	50 mm orange endless webbing assembly	4000 kg	800 kg	6 m
1857 C20-09	50 mm yellow webbing assembly fitted with hooks and keepers.	2000 kg	400 kg	9 m





50 mm Truck Winch Assemblies

Robust and gold passivated for corrosion protection.

CODE	Description	Lc	Pretension	Length
1820 C20-09	Slide on truck winch with 50 mm orange webbing fitted with hook and keeper with sleeves	2500 kg	400 kg	9 m
1821 C20-09	Clip on truck winch with 50 mm orange webbing fitted with hook and keeper with sleeves	2500 kg	400 kg	9 m



D1 - The Tradesman's Choice

Features a wide handle for better grip and lock down safety. Great for utilities, box trailers etc.

CODE	Description	Lc	Pretension	Length
D1-TRADESMAN	35 mm ratchet assembly fitted with "s" hooks. Hook and keeper also available.	500 kg	250 kg	6 m



20011 - The Compact High Performer

Compact 50 mm ratchet with lock down feature. Ideal for use on 1 tonners, box trailers, box trailers, cyclone restraints etc.

CODE	Description	Lc	Pretension	Length
20011 J20-06	50 mm ratchet assembly fitted with hooks and keepers.	1500 kg	300 kg	6 m



B1 - The 25 mm Champion

Lightweight and versatile this ratchet is well suited to general light duty applications including marque tie-down, bundling product and roof racks.

CODE	Description	Lc	Pretension	Length
B1 - WEEKENDER	25 mm ratchet assembly fitted with pvc coated "s" hooks.	250 kg	125 kg	4 m
B2 - HOBBY	25 mm endless ratchet assembly	700 kg	250 kg	4 m

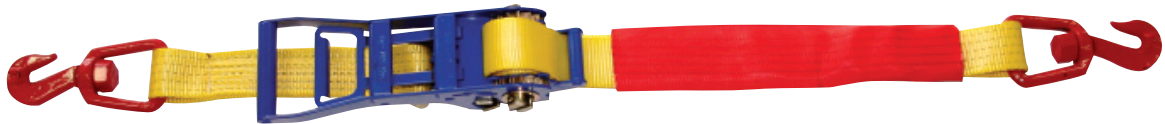


Web Dog - The Safe Alternative To Loadbinders (with tension force indicator)

Web Dogs overcome the dangerous kick-back associated with loadbinders. Add the safety of ABS step by step release and the ability to apply pretension, the Web Dog is a clear winner.



CODE	Description	Lc	Pretension	Length
20035 D7049 - 0 x 1.0	50 mm yellow webbing assembly fitted with 8 mm swivel grab hook each end	4000 kg	1600 kg	1 m



Silver Truckie's Rope

CODE	Description	Length in Mts.
SILRC10	10MM SILVER ROPE- 250mtr coil	250 m
SILRC12	12MM SILVER ROPE- 250mtr coil	250 m
SILRH10	10MM SILVER ROPE- 10mtr hank	10 m
SILRH12	12MM SILVER ROPE- 10mtr hank	10 m

ACCESSORIES



CODE	Description
D210 - PS - 0 x 9.0	Winch Replacement Straps 25000 kg, 9 m (with sleeves)



ST 2.4	Winch Slide Track 2.4 m
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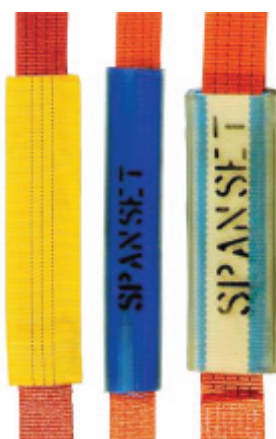
1655	Pallet Protector 1.1 m
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1671	Bolt on Anchor Ring LC: 1100 kg
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WH709A	Winch Bar
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Protective Sleeves

Sharp and rough edges are taken care of with our sleeving which ranges from light duty to the near bulletproof secutex.

CODE	Description	Width	Length
RS 30010	Tubular webbing polyester black sleeve	60 mm	0.3 m
SF 150L	Secutex lashing sleeve	65 mm	0.3 m
SFZ 50-0.3	Heavy duty secutex protective sleeve	65 mm	0.3 m



Metal Fittings

"S" Hook
Large



Hook & Keeper
50 mm
36 mm
25 mm



Joker
Hooks

Ash 1T - 1 tonne
Ash 2T - 2 tonne
Ash 3T - 3 tonne



Delta
Triangle
Flat



OKN
Latch
Hooks



"S" Hook
Small



Heavy
Duty
Triangle



BD
Connector
75 mm
50 mm



SKR
& SKT
Web
Connectors



Vehicle Restraint System

This easy to use in-line restraint system is unaffected by “tyre bounce” and positively locks the wheel to the deck while not interfering with the active suspension of the vehicle.

CODE	Description	Lc	Length
1805 P21-2.4	36mm heavy duty car lash for slotted track fitted with heavy duty ratchet, red webbing, J hooks and anti-slip sleeve (pictured). Other fittings available for specific trailers.	1500 kg	2.4 m
1857 TLS	50 mm, large handle, heavy duty ratchet with cambuckle adjustment wheel restraint.	1500 kg	---



SpanSet Retail Range - Supplied in robust blister packs.



RS 9 4WD Recovery Strap

Nylon webbing with 20% stretch.

Length 9 [m] Width 60 [mm] Strength 8000 [kg]



1857

Heavy duty general purpose lashing suitable for all types of urban and interstate work.

Length 9 [m] with hooks and keepers Lc 2000 [kg]



A2 Biker

Simple cambuckle assembly which is especially suited to “soft” loads, ie. motor bikes, beds etc. or for bundling product.

Length 1.6 [m] Lc 250 [kg]



B1 Weekender

Lightweight 25 mm ratchet assembly fitted with “S” hooks each end. Great for utilities and box trailers.

Length 4 [m] Lc 250 [kg]



B2 Hobby

A lightweight ratchet unit which is an endless loop, perfect for bundling product or for use on roof racks etc.

Length 4 [m] Lc 700 [kg]



D1 Tradesman

A medium duty 36 mm ratchet assembly fitted with “S” hooks each end. Ideal for 1 tonners and light trucks.

Length 6 [m] Lc 500 [kg]

4WD Recovery - ORP Outback Recovery Pack



SpanSet handy carry and storage bag contains an RS 9 Recovery Strap, 1 x TTP, WSL10 Winch Strap and 2 x 3.25 tonne Bow Shackles.

Ask your 4WD dealer or stockist to show you SpanSet's range of products.



RS 9 - 4WD Recovery Straps

The SpanSet Recovery Snatch strap will allow you to 'snatch' or 'tow' a vehicle which has become bogged, stalled, stuck, or submerged into a recovered position. Manufactured from high tenacity nylon yarn and featuring fully protected formed eyes at each end.

Type	Length	Width	Min. Break Strength	Stretch Max.
RS 9	9 m	60 mm	8000 kg	20%
RS 9-HD	9 m	60 mm	16,000 kg	20%



T.T.P. - Tree Trunk Protector

The SpanSet Tree Trunk Protector has been designed to allow use of a tree as an anchorage point whilst using your electric or mechanical winch for recovery of your vehicle. This wide bearing surface (75 mm) of the polyester webbing protects the trees delicate surface from bruising or ringbarking.

Type	Length	Width	Min. Break Strength	Stretch Max.
TTP	3 m	75 mm	8000 kg	10%



W.S.L. - Winch Extension Strap

The SpanSet Winching Strap comes in three convenient lengths – 10, 20 and 30 metres, exceptionally handy when your vehicle is stationed a long way from an available anchorage point, and you have fully wound out your winch cable yet still short. Made from polyester, low elongation (stretch) webbing, two formed eyes allow easy connection to a shackle, hook or tow bar ball.

Type	Length	Width	Min. Break Strength	Stretch Max.
WS-L10	10 m	50 mm	4000 kg	10%
WS-L20	20 m	50 mm	4000 kg	10%
WS-L30	30 m	50 mm	4000 kg	10%



ORP-M10 - Snatch Strap Kit

Kit comprises 9m recovery strap, 2 x 3.25 tonne grade 80 bow shackles, quality riggers gloves and a heavy duty canvas storage bag.