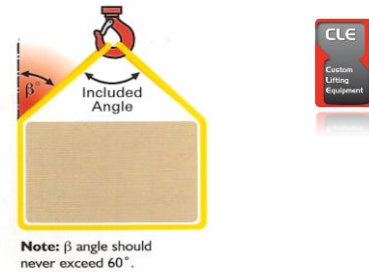


# SAFE LIFTING WITH TAURO POLYESTER SLINGS

The Working Load Limit for a lift is determined by the capacity of the sling and the mode factor.

The mode factor is determined by the type of lift and the outer angle.  
The outer angle is the angle of the sling to the vertical.



	STRAIGHT LIFT	CHOKE LIFT	BASKET LIFT	MULTI-LEG LIFT			
Safety Colour Code							
Mode	1.0	0.8	2.0	1.4	1.0	1.4	2.0
1000 Kg	1000 Kg	800 Kg	2000 Kg	1400 Kg	1000 Kg	1400 Kg	2000 Kg
2000 Kg	2000 Kg	1600 Kg	4000 Kg	2800 Kg	2000 Kg	2800 Kg	4000 Kg
3000 Kg	3000 Kg	2400 Kg	6000 Kg	4200 Kg	3000 Kg	4200 Kg	6000 Kg
4000 Kg	4000 Kg	3200 Kg	8000 Kg	5600 Kg	4000 Kg	5600 Kg	8000 Kg
5000 Kg	5000 Kg	4000 Kg	10 000 Kg	7000 Kg	5000 Kg	7000 Kg	10 000 Kg
6000 Kg	6000 Kg	4800 Kg	12 000 Kg	8400 Kg	6000 Kg	8400 Kg	12 000 Kg
8000 Kg	8000 Kg	6400 Kg	16 000 Kg	11 200 Kg	8000 Kg	11 200 Kg	16 000 Kg
10 000 Kg	10 000 Kg	8000 Kg	20 000 Kg	14 000 Kg	10 000 Kg	14 000 Kg	20 000 Kg
12 000 Kg	12 000 Kg	9600 Kg	24 000 Kg	16 800 Kg	12 000 Kg	16 800 Kg	24 000 Kg

## INSTRUCTIONS FOR THE CARE AND SAFE USE OF POLYESTER SLINGS

### A. GENERAL INSTRUCTIONS

- Always work within the W.L.L. of your slings. Increasing the angle between the sling legs reduces the lifting capacity. Always consult your CLE lifting chart.
- Never use damaged slings.
- Do not, under any circumstances tie knots in the sling, this will result in loss of strength and sling damage.
- Never mix the Work Load Limits of slings in one lift.
- Use rated components to join slings.
- Never drag slings and goods in the sling.
- Always position the sling in such a way as to ensure easy removal after use.
- Always use smooth, rounded hooks having an inside radius of not less than the sling width.
- Avoid placing more than one sling on the same hook.
- Keep slings away from acids and alkalis.
- Never use unprotected slings round sharp edges or corners, use CLE protective sleeves to protect your sling from abrasion or cutting.
- When lifting heavy cargo using more than one sling, remember that the total weight of the load may not be evenly distributed.
- Maximum working temperatures: 40° to 100°C. Please contact us if you are using slings at the extreme of these temperatures.

### B. INSPECTION AND MAINTENANCE

The following procedures should be adopted by a sling user: Remember - the user/responsible person should always examine the sling before taking into use.

All equipment should be examined by a competent person at regular intervals.

- Lay the sling on a flat surface in a well lit area.
- Examine both sides of the sling for surface chafe and any cuts - either lateral or longitudinal - or along the edges:
  - Cuts on webbing slings, particularly at the sling edge, will result in serious loss of strength. A sling so affected should be taken out of service immediately. Endless slings must be examined over the whole length.
  - Round sling cover damage - cuts in the cover should raise serious doubts as to the integrity of the core. A sling so affected should be taken out of service immediately and inspected by a competent person.
- Where appropriate slings should be inspected for signs of chemical damage. This is indicated by local weakening or softening of the material in the webbing. Other indications may include fading and powdering of the webbing surface. Chemically damaged slings must be taken out of service.
- Examine the inside of the sling eyes, all stitching and fittings with particular care.
- Where any doubt exists as to the serviceability of a sling, CLE should be consulted.
- CLE slings may be cleaned if required by washing in cold water with a mild detergent.
- Avoid contact with hot surfaces and exposure to hot gasses such as those from blowlamps or welding torches.
- Remember, do not take risks.  
If in doubt - contact CLE.



# TAURO POLYESTER WEBBING SLINGS



**DUPLEX FLAT SLING - EN 1492 - 1 : 2000, SANS 94 - 1 : 2003, Factor of Safety 7 to1**  
*(Slings are available in Single and Quadruple layer)*

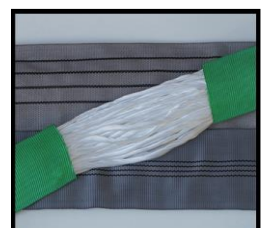
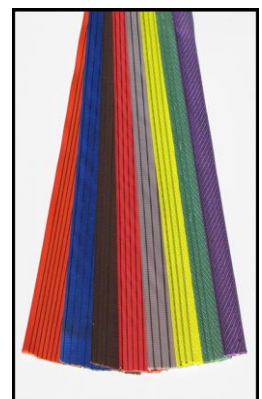


Product Code	Colour Code	Part Number	Sling Width	Eye Width incl. protection	Eye Length	WLL Straight Lift
Duplex 1000		DFS 50	50mm	20mm	200mm	1000 Kg
Duplex 2000		DFS 60	60mm	30mm	250mm	2000 Kg
Duplex 3000		DFS 90	90mm	40mm	300mm	3000 Kg
Duplex 4000		DFS 120	120mm	50mm	400mm	4000 Kg
Duplex 5000		DFS 150	150mm	60mm	450mm	5000 Kg
Duplex 6000		DFS 180	180mm	70mm	500mm	6000 Kg
Duplex 8000		DFS 240	240mm	80mm	600mm	8000 Kg
Duplex 10 000		DFS 300	300mm	100mm	800mm	10 000 Kg
Duplex 12 000		DFS 300	300mm	100mm	800mm	12 000 Kg



**ENDLESS ROUND SLING - EN 1492 - 2 : 2000, SANS 94 - 2 : 2003, Factor of Safety 7 to1**

Product Code	Colour Code	Sleeve Width	Weight per meter	Tube Thickness	WLL Straight Lift
Super ERS 1000		48mm	200gm	6mm	1000 Kg
Super ERS 2000		53mm	300gm	7mm	2000 Kg
Super ERS 3000		62mm	450gm	8mm	3000 Kg
Super ERS 4000		73mm	500gm	10mm	4000 Kg
Super ERS 5000		80mm	600gm	10mm	5000 Kg
Super ERS 6000		87mm	750gm	13mm	6000 Kg
Super ERS 8000		104mm	950gm	15mm	8000 Kg
Super ERS 10 000		106mm	1.1Kg	18mm	10 000 Kg
Superplus ERS 15 000		120mm	2.2Kg	22mm	20 000 Kg
Superplus ERS 20 000		135mm	2.8Kg	25mm	20 000 Kg
Superplus ERS 25 000		135mm	3.2Kg	28mm	25 000 Kg
Superplus ERS 30 000		150mm	3.7Kg	32mm	30 000 Kg
Superplus ERS 40 000		170mm	5Kg	40mm	40 000 Kg
Superplus ERS 50 000		180mm	6.5Kg	45mm	50 000 Kg
Superplus ERS 60 000		190mm	7.4Kg	65mm	60 000 Kg
Superplus ERS 80 000		210mm	10Kg	70mm	80 000 Kg
Superplus ERS 100 000		230mm	13Kg	80mm	100 000 Kg

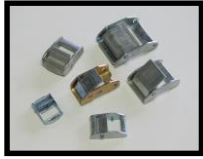


# TAURO LASHING COMPONENTS AND ASSEMBLIES

EN 12195 - 2, SANS 10187, Factor of Safety 2 to 1.

## DESCRIPTION - ASSEMBLY

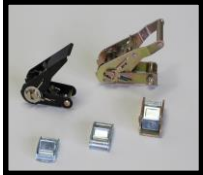
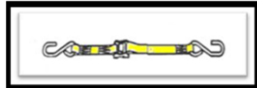
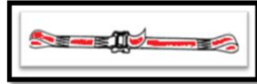
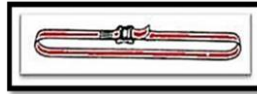
## MBS



### 25mm Cam buckles

- Cam buckle L/duty Endless
- Cam buckle L/duty - Two Part
- Cam buckle M/duty Endless
- Cam buckle M/duty - Two Part
- Cam buckle H/duty Endless
- Cam buckle H/duty - Two Part

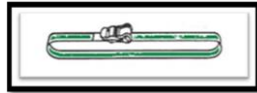
- 500Kg
- 250Kg
- 1000Kg
- 500Kg
- 1500Kg
- 750Kg



### 35mm Cam buckles

- Cam buckle H/duty Endless
- Cam buckle H/duty - Two Part

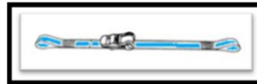
- 1500Kg
- 750Kg



### 50mm Cam buckles

- Cam buckle H/duty Endless
- Cam buckle H/duty - Two Part

- 2000Kg
- 1000Kg



### 25mm Ratchets

- Ratchet L/duty Endless
- Ratchet L/duty - Two Part
- Ratchet H/duty Endless
- Ratchet H/duty - Two Part

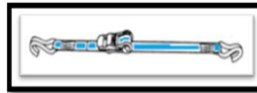
- 1000Kg
- 500Kg
- 2000Kg
- 1000Kg



### 35mm Ratchets

- Ratchet H/duty Endless
- Ratchet H/duty - Two Part

- 4000Kg
- 2000Kg



### 50mm Ratchets

- Ratchet H/duty Endless
- Ratchet H/duty - Two Part

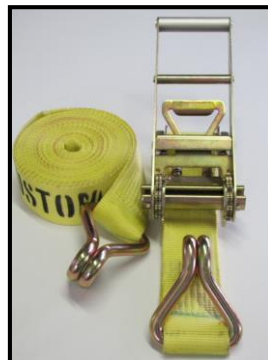
- 8000Kg
- 4000Kg



### 75mm Ratchets

- Ratchet H/duty Endless
- Ratchet H/duty - Two Part

- 16000Kg
- 8000Kg



### 100mm Ratchets

- Ratchet H/duty Endless
- Ratchet H/duty - Two Part

- 20 000Kg
- 10 000Kg

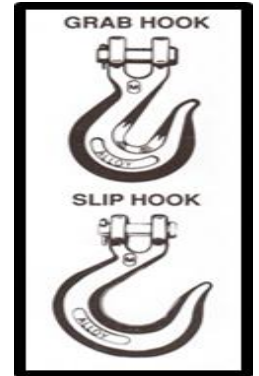
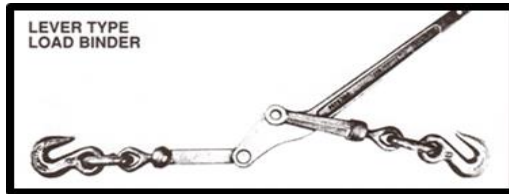
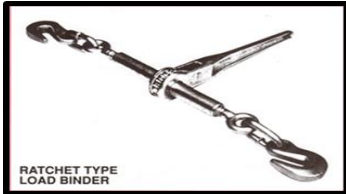


Weld on winch 150mm

4000Kg



## LASHING CHAIN AND COMPONENTS 10mm & 13mm



Min Break Strength

10mm

5000Kg

13mm

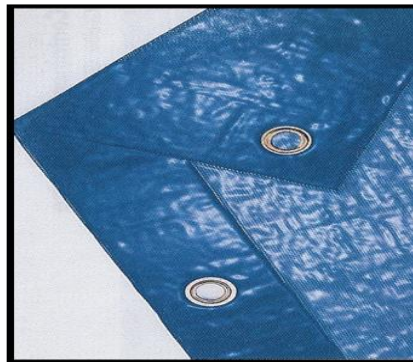
8000Kg

## Tarpaulins

Any size - Any colour

Branded

550gm - 700gm's per square meter



## Fibre Rope (5mm - 30mm)



Nylon & Polyester



Manila Rope

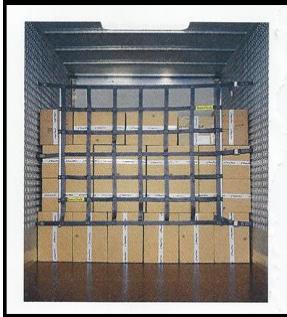


Polypropylene

# TAURO WEBBING AND ROPE NETS



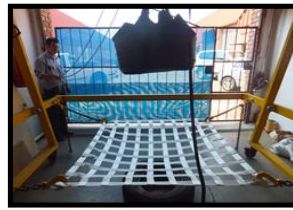
## Polyester Webbing Cargo and Rope Nets



Orange barrier netting



## Safety Nets : Underground roof support & Height safety



# TAURO TUFF WEBBING PROTECTION

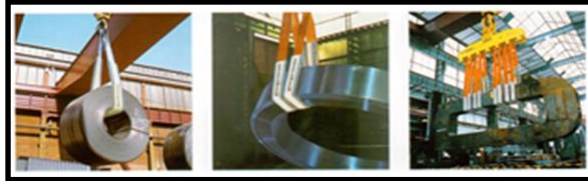
PVC Layflat Sleeve



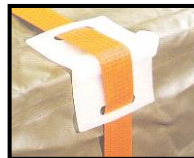
Webbing Sleeve



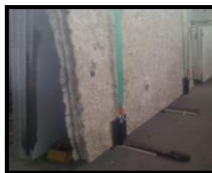
Polyurethane Coating- Bonded / Loose Sleeve



Lashing webbing protection



Granite and Marble slings and frames



## CLE Alloy Bow and Dee Shackles

U.S Federal Specification RR-C-271b



Safe Working Load	A. Body dia.	B. Pin dia.	C. Inside width at pin	D. (1) Inside length Dee	D. (2) Inside length Bow	E. Inside width Bow
500 Kg	6mm	8mm	12mm	23mm	27mm	19mm
750 Kg	8mm	10mm	13mm	20mm	31mm	21mm
1000 Kg	10mm	11mm	17mm	33mm	37mm	26mm
1500 Kg	11mm	13mm	18mm	37mm	44mm	29mm
2000 Kg	13mm	16mm	20mm	46mm	48mm	33mm
3250 Kg	16mm	20mm	27mm	52mm	61mm	43mm
4750 Kg	20mm	22mm	30mm	61mm	71mm	51mm
6500 Kg	22mm	25mm	36mm	76mm	84mm	58mm
8500 Kg	25mm	28mm	44mm	83mm	95mm	67mm
9500 Kg	28mm	32mm	47mm	91mm	107mm	73mm
12 000 Kg	32mm	35mm	52mm	101mm	119mm	81mm
13 500 Kg	35mm	38mm	58mm	118mm	134mm	91mm
17 000 Kg	38mm	42mm	61mm	125mm	144mm	98mm
25 000 Kg	44mm	51mm	74mm	150mm	180mm	126mm
35 000 Kg	51mm	56mm	85mm	170mm	197mm	143mm
55 000 Kg	64mm	70mm	105mm	203mm	267mm	184mm
85 000 Kg	76mm	85mm	128mm	215mm	315mm	215mm
120 000 Kg	89mm	95mm	133mm	240mm	365mm	230mm

# APEX GRADE 800 ALLOY CHAIN SLING ASSEMBLIES

ASSI ASSEMBLED IN ACCORDANCE TO - *SABS/ISO 7593:1985*  
Factor of Safety 4 : 0



	Single	Single Choked	2 - Leg Slings		3 & 4 Legged Slings	
Type						
Angle	-	-	0° to 90°	90° to 120°	0° to 90°	90° to 120°
<b>Uniform Load Method of Rating</b>						
<b>Work Load Limits in Metric Tons</b>						
	1.50	1.20	2.12	1.50	3.15	2.24
	3.15	2.50	4.25	3.10	6.70	4.80
	5.30	4.25	7.50	5.30	11.20	8.00
	8.00	6.30	11.20	8.00	17.00	11.80
	12.50	10.00	17.00	12.50	26.50	19.00
	15.00	12.00	21.20	15.00	31.50	22.40
	21.20	16.95	30.00	21.20	45.00	31.50
	31.50	25.20	45.00	31.50	67.00	47.50

WLL applies to both rectangular and circular loads, which must not exceed 120°

N.B. When a Grab Hook is used as the end fitting, the Working Load Limit will be the same as for Choke Hitch. (Reduced by 20%)

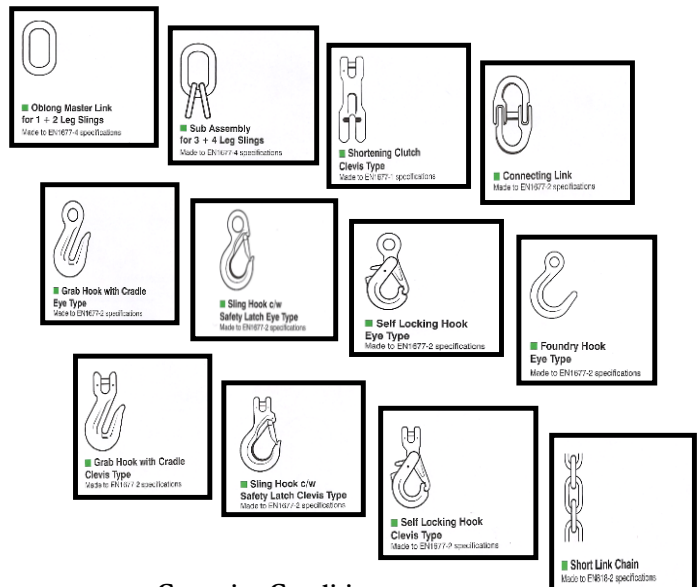
These maximum Working Load Limits apply to chain and chain slings used under ideal service conditions.

In deciding on the size of Chain Sling required, very careful consideration must be given to the angle of inclination between the Chains at the point of suspension and particularly in the case of choke hitches. As this angle increases, there is a decrease in the Working Load Limit of the Chain sling as shown in the tables on this page.

Use the widest included angle between any 2 - 4 legs to establish the applicable WLL.

### Extreme Heat Conditions

The strength of all chain slings is adversely affected by heat and care must be exercised when using chain slings at elevated temperatures. Where the temperatures are likely to be higher than 200°C it will be necessary to derate the usual WLL.



### Corrosive Conditions

Chain and attachments should not be used in an acid or other corrosive environments. If a sling is inadvertently exposed to acid or alkali, even for a short period, it must be withdrawn from service.





# MANUAL LEVER & ELECTRIC CHAIN HOISTS



0.8 t—3.2 t                      6.3 t                      9 t

### Titan Tuff Lever Hoist K-V

Capacity	No. of Falls	Std. Lift	Load Chain	Effort to Lift Load	Test Load	Net Weight	Gross Weight	Extra Weight/m	A	B	C	D	G
[t]		[m]	[mm]	[kg]	[t]	[kg]	[kg]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]
0.8	1	3	5.6 x 15.7	29	1.2	5.7	6.0	0.7	144	119	280	245	23.5
1.6	1	3	7.1 x 19.9	34	2.4	8.0	8.3	1.1	159	126	335	265	32.0
3.2	1	3	10 x 28	37	4.8	15.0	16.0	2.3	190	159	395	415	39.0
6.3	2	3	10 x 28(2)	38	9.5	26.0	27.0	4.7	190	217	540	415	50.0
9	3	3	10 x 28(3)	40	13.5	40	46.5	6.6	196	298	680	415	72.5

Factor of Safety 4:1

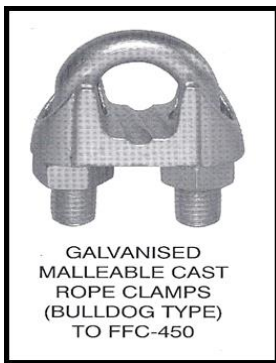
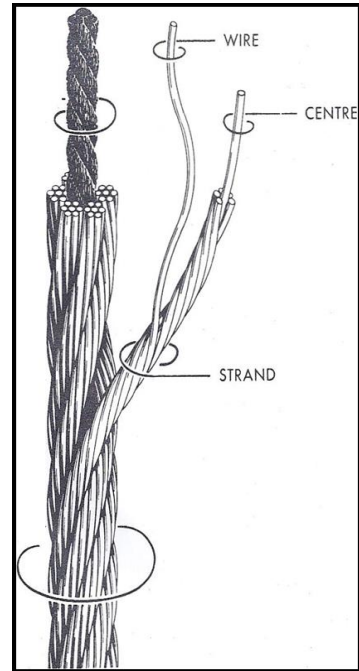
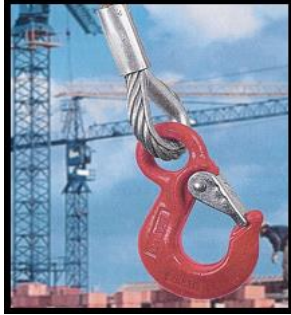
0.5 t—3.2 t                      5 t                      10 t

### Titan Tuff Chain Block K-II

Capacity	No. of Falls	Std. Lift	Load Chain	Effort to Lift Load	Test Load	Hand Chain	Net Weight	Gross Weight	Extra Weight/m	A	B	C	E	F
[t]		[m]	[mm]	[kN]	[t]	[mm]	[kg]	[kg]	[kg]	[mm]	[mm]	[mm]	[mm]	[mm]
0.5	1	3.0	5.0 x 15	25	0.75	4.8 x 22.2	9.0	9.4	1.416	161	158	53	27.0	35.5
1.0	1	3.0	6.3 x 19	33	1.50	5 x 25	12.2	12.7	1.732	161	162	53	29.0	42.5
1.5	1	3.0	7.1 x 21	34	2.25	5 x 25	14.5	15.0	1.972	182	171	64	34.0	47.5
2	1	3.0	8 x 24	34	3.00	5 x 25	21.0	22.2	2.580	202	182	64	35.0	50.0
3.2	1	3.0	10 x 28	35	4.50	5 x 25	22.0	22.7	3.072	235	171	106	42.5	55.0
5	2	3.0	9 x 27(2)	39	7.50	5 x 25	40.0	41.5	4.710	282	192	133	46.5	63.0
10	4	5.0	9 x 27(4)	41	15	5 x 25	95.0	94.0	8.230	438	192	254	72.5	85.0

Factor of Safety 4:1

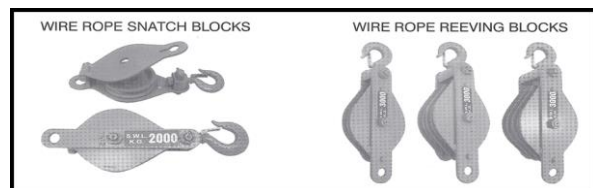
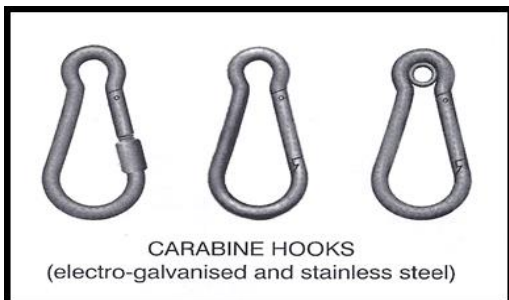
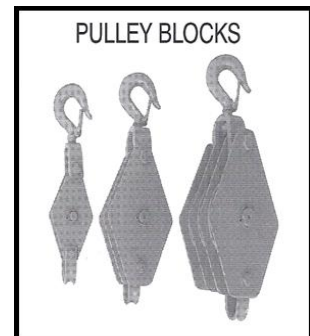
# STEEL WIRE ROPE SLINGS AND FITTINGS



*Eye Bolt*



*Eye Nut*



# HEIGHT SAFETY EQUIPMENT



Caplamp Belts

Full Body Harness

Double Lanyards

SABS / EN 361

Snap Hooks

Scaffold Hooks



Static Life Line Kits

Kermantle / Static Rope

Fall Arrestor inertia Blocks



## SABS AUTOMOTIVE SAFETY BELTS

2 Point Lap Belt



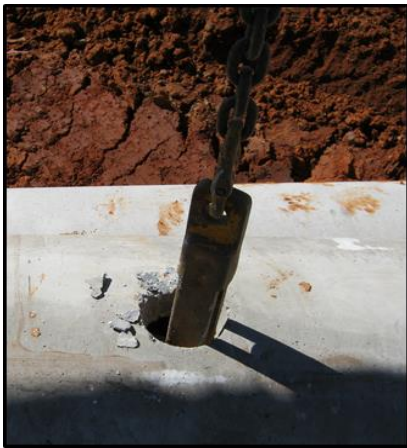
3 Point Inertia Reel

3 Point Static Belt

Webb / Wire Stalks



# CUSTOM MADE CLAMPS AND SLINGS



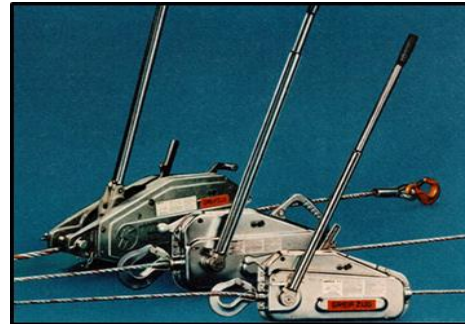
# ADDITIONAL PRODUCTS



Pallet Trolley and Stackers



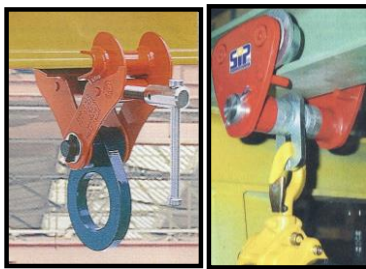
Manual Wire Rope Winch



Nylon Strapping



Beam Clamps and Crawls



Forklift Attachments



Lifting Magnets



Lifting / Spread Beams/ Frames



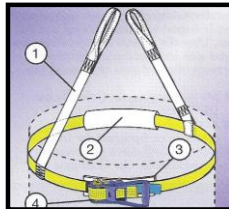
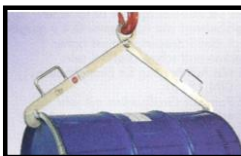
Plate Clamps



Crane Scale



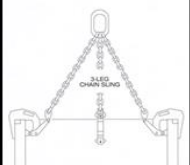
Drum Clamps and Slings



C-Hooks



MANHOLE-RING LIFTING SYSTEMS



HAND WINCHES



Special Applications





Manufactured in accordance to :  
European & SANS Specifications

4x4 Recovery gear / kits  
Tie downs for various applications  
Roofrack and internal cargo nets  
Radiator seed nets and wading sheets  
Medical and utility kits  
Buckles fasteners - plastic and metal  
Webbing, rope and cords  
EFS Suspension kits  
Escape gear seat covers  
ARTAV Stainless Steel products  
EGR Auto accessories



Approved equipment supplier  
to the African Off-road Academy



## Contact Details

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