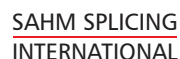
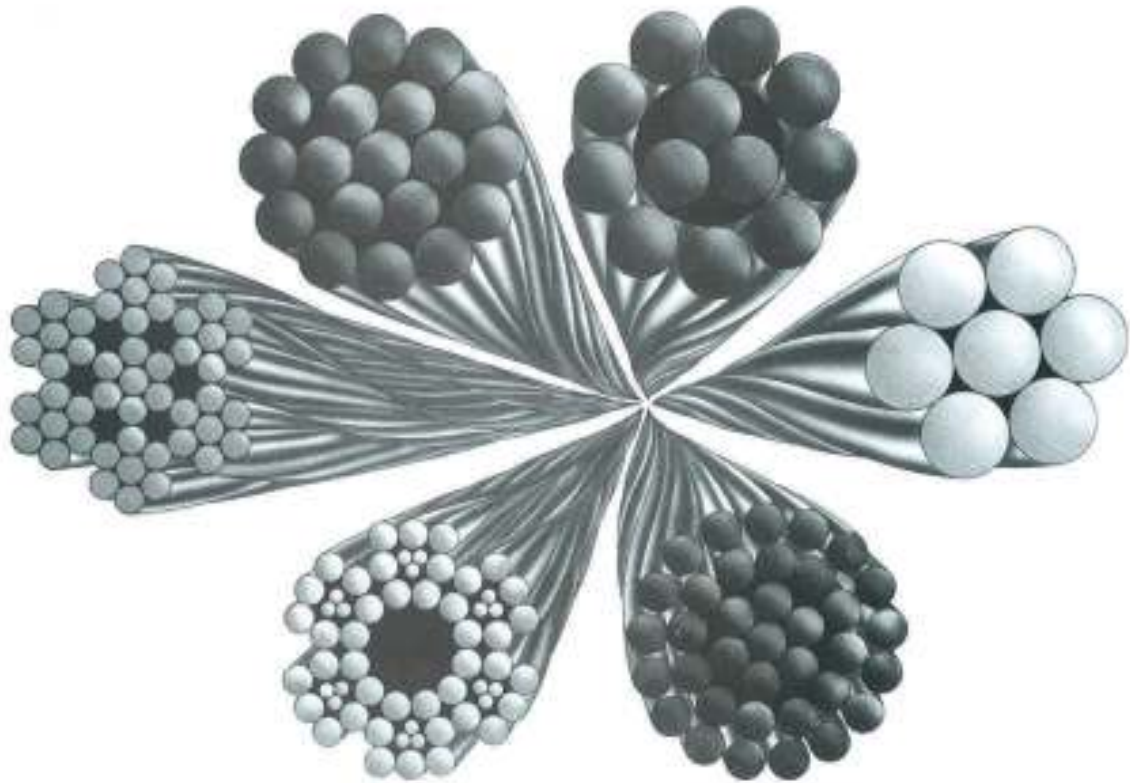


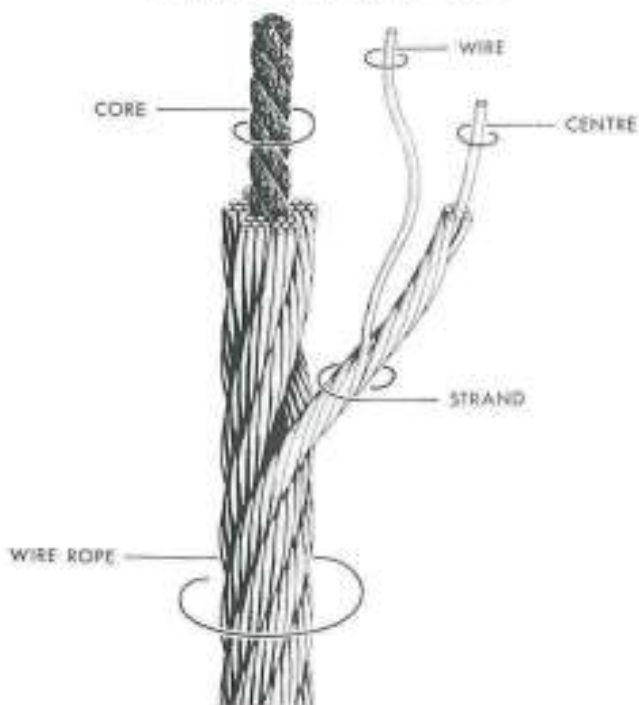
# LIFTING • RIGGING • LASHING • PULLING PRODUCT CATALOGUE



# STEEL WIRE ROPE













Component Parts of Wire Rope



Ropes available in various diameters, constructions and finishes.

Manufactured to various international standards.

*See overleaf*

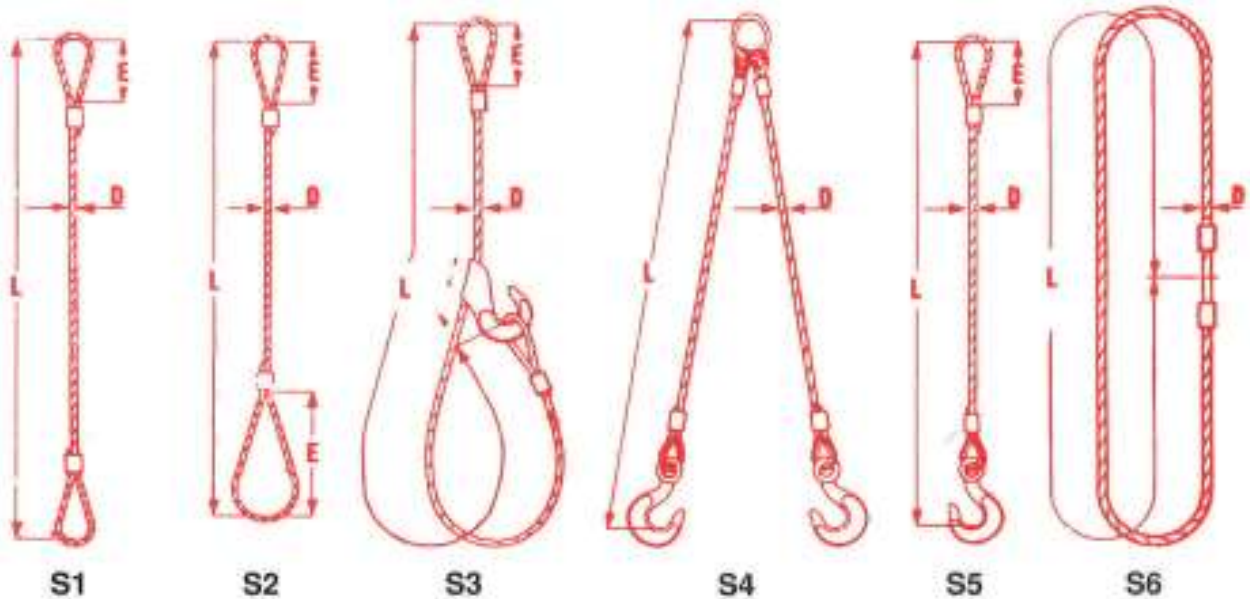
 <p>1 x 19 (12/6/1) galvanised and stainless steel, 1770 MPa</p> <p>Control cables, general engineering</p>	 <p>6 x 36 (14/7+7/7/1) fibre core, galvanised and ungalvanised, 1770 and 1960 MPa</p> <p>Mining, slings, general engineering, winches, hoists, cranes</p>	 <p>6 x 36 (14/7+7/7/1) IWRC galvanised and ungalvanised, 1770 and 1960 MPa</p> <p>Mining, slings, general engineering, winches, hoists, cranes</p>
 <p>18 x 7 - 12 x 7 (6/1)/6 x 7(6/1) fibre core and 19 x 7 - 12 x 7 (6/1)/6 x 7(6/1)/1 x 7 (6 x 1) non-spin, ungalvanised, 1770 and 1960MPa</p> <p>Cranes, general engineering, drilling, non-spin applications</p>	 <p>6 x 19 (12/6/1) fibre core, galvanised, 1770 MPa</p> <p>Mining, slings, general engineering, drilling</p>	 <p>6 x 7(6/1) fibre core, galvanised, 1770 MPa</p> <p>General purpose, where less flexibility is required</p>
 <p>6 x 7 (6/1) fibre core, galvanised, 1770 MPa, PVC covered</p> <p>General purpose and bell-wire applications</p>	 <p>6 x 12 (12/6) fibre core, galvanised,</p> <p>General engineering, lashing, blasting barricades</p>	 <p>7 x 7 (5/1) stainless, grade 304 and 316, and galvanised</p>  <p>7 x 19 (12/6/1) stainless grade 304 and 316</p> <p>For use with stainless steel and copper fittings, where rust prevention is essential</p>

— ENQUIRE ABOUT OUR RANGE OF 8x19, 8x26 AND 35x7 COMPACTED STRANDS,  
2160MPa HIGH PERFORMANCE ROPES —

# WIRE ROPE SLINGS

Specify diameter and give sizes  
required as shown by the letters

L - D - E



## SLING SELECTION

- working load -
- end fittings e.g. hooks -
- eye sizes for soft (unthimbled) eyes -
- thimble dimensions for thimbled eyes -
- rope construction where not standard -

**SAFE WORKING LOADS OVERLEAF**

**APPROXIMATE SAFE WORKING LOADS IN KG  
FOR ALUMINIUM FERRULED STEEL WIRE ROPE SLINGS**

Rope diameter mm	Single Leg at 0°	Double Leg at 30°	Double Leg at 60°	Double Leg at 90°	Triple (45°) & Quadruple Leg at 90°
6	300	550	500	420	630
8	600	1150	1000	800	1260
10	1000	1750	1550	1250	2100
13	1500	2800	2500	2100	3150
16	2000	3800	3400	2800	4200
19	3000	5700	5100	4200	6300
22	4000	7600	6800	5600	8400
26	6000	11500	10300	8400	12600
28	7700	14600	13050	10750	16150
32	10000	19000	17000	14000	21000
38	14300	27150	24300	20000	30000
44	19200	36450	32600	26850	40300
50	24800	47100	42150	34700	52000
56	31000	58900	52700	43400	65000

**STANDARD ROPES USED**

Generally 6 x 36 (14/7/7/1) fibre core for ungalvanised slings and 6 x 36 (14/7/7/1) fibre core or 6 x 19 (12/6/1) fibre core for galvanised slings

**SAFETY FACTOR 6:1**

**STANDARD SOFT EYE SIZES**

- 100 mm for 6 and 8 mm diameter slings
- 150 mm for 10 mm diameter slings
- 200 mm for 13 mm diameter slings
- 250 mm for 16 mm diameter slings
- 350 mm for 19 and 22 mm diameter slings
- 400 mm for 26 mm diameter slings
- 450 mm for 28 mm diameter slings
- 600 mm for 32 mm diameter slings
- 750 mm for 38 mm diameter slings
- 900 mm for 44 mm diameter slings
- 1000 mm for 50 mm diameter slings
- 1200 mm for 56 mm diameter slings




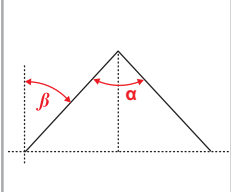
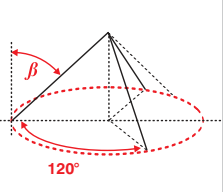
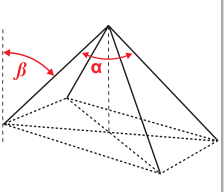
## GRADE 80 & 100 CHAIN SLINGS

Chain slings are the classic and widely used load handling attachment for a wide variety of lifting applications. They feature flexibility and extremely high durability.

Premium quality chain slings assembled with Thiele chain made in Germany. We offer complete chain slings and components in grades 80 & 100 as well as corresponding accessories and spare parts. Chain slings made to order according to your requirements.

All lifting components are uniformly marked with equivalent chain size and grade. Safety factor: 4:1

### WORKING LOAD LIMITS

Chain Dia. (mm)	Grade	Two Leg			Three Leg			Four Leg			
		t	t	t	t	t	t	t	t	t	
7	80	1.50	2.55	2.10	1.50	3.90	3.15	2.25	3.90	3.15	2.25
8	100	2.50	4.25	3.50	2.50	6.50	5.25	3.75	6.50	5.25	3.75
10	80	3.15	5.35	4.41	3.15	8.19	6.62	4.72	8.19	6.62	4.72
10	100	4.00	6.80	5.60	4.00	10.40	8.40	6.00	10.40	8.40	6.00
13	80	5.30	9.00	7.42	5.30	13.78	11.13	7.95	13.78	11.13	7.95
13	100	6.70	11.39	9.38	6.70	17.42	14.07	10.05	17.42	14.07	10.05
16	80	8.00	13.60	11.20	8.00	20.80	16.80	12.00	20.80	16.80	12.00
16	100	10.00	17.00	14.00	10.00	26.00	21.00	15.00	26.00	21.00	15.00
20	80	12.50	21.25	17.50	12.50	32.50	26.25	18.75	32.50	26.25	18.75
22	80	15.00	25.50	21.00	15.00	39.00	31.50	22.50	39.00	31.50	22.50
26	80	20.40	34.68	28.56	20.40	53.00	42.84	30.60	53.00	42.84	30.60
32	80	31.50	53.55	44.10	31.50	81.90	66.15	47.25	81.90	66.15	47.25
<b>Factor</b>		1.0	1.7	1.4	1.0	2.6	2.1	1.5	2.6	2.1	1.5

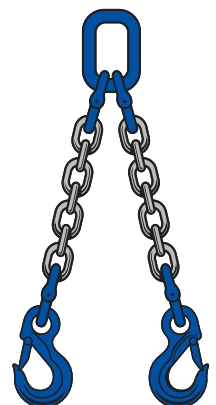
#### 1 LEG SLING

(Grade 80 Shown)



#### 2 LEG SLING

(Grade 100 Shown)



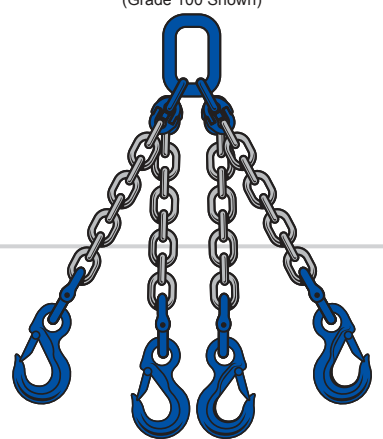
#### 3 LEG SLING

(Grade 80 Shown)



#### 4 LEG SLING

(Grade 100 Shown)



Assembled with chain from:



# THIELE®



Made in Germany



## GRADE 80 & 100 CHAIN SLINGS

Chain slings are the classic and widely used load handling attachment for a wide variety of lifting applications. They feature flexibility and extremely high durability.

### STANDARD SLINGS

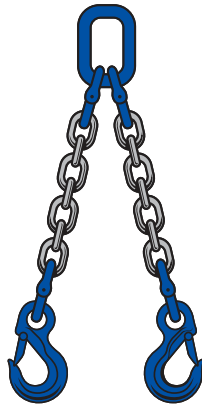
**1 LEG SLING**

(Grade 80 Shown)



**2 LEG SLING**

(Grade 100 Shown)



**3 LEG SLING**

(Grade 80 Shown)



**4 LEG SLING**

(Grade 100 Shown)



### OTHER SLING EXAMPLES

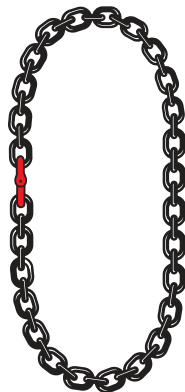
**CHOKER SLING**

(Grade 100 Shown)



**ENDLESS SLING**

(Grade 80 Shown)



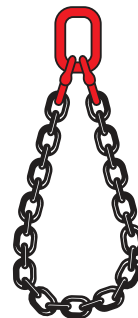
**SINGLE ADJUSTABLE LOOP CHAIN SLING**

(Grade 100 Shown)



**SINGLE BASKET SLING**

(Grade 80 Shown)



**DOUBLE BASKET SLING**

(Grade 100 Shown)



Assembled with chain from:



**THIELE®**



Made in Germany



## GRADE 80 CHAIN SLINGS

Chain slings are the classic and widely used load handling attachment for a wide variety of lifting applications. They feature flexibility and extremely high durability.

Premium quality chain slings assembled with Thiele chain made in Germany to EN818-2. We offer complete chain slings and components as well as corresponding accessories and spare parts. Chain slings made to order according to your requirements.

All lifting components are uniformly marked with equivalent chain size and grade. Safety factor: 4:1

	WORKING LOAD LIMITS									
	One Leg	Two Leg			Three Leg			Four Leg		
Angle from vertical - $\beta$	0°	30°	45°	60°	30°	45°	60°	30°	45°	60°
Angle between legs - $\alpha$	-	60°	90°	120°	-	-	-	60°	90°	120°
Chain Dia. (mm)	t	t	t	t	t	t	t	t	t	t
7	1.50	2.55	2.10	1.50	3.90	3.15	2.25	3.90	3.15	2.25
10	3.15	5.35	4.41	3.15	8.19	6.62	4.72	8.19	6.62	4.72
13	5.30	9.00	7.42	5.30	13.78	11.13	7.95	13.78	11.13	7.95
16	8.00	13.60	11.20	8.00	20.80	16.80	12.00	20.80	16.80	12.00
20	12.50	21.25	17.50	12.50	32.50	26.25	18.75	32.50	26.25	18.75
22	15.00	25.50	21.00	15.00	39.00	31.50	22.50	39.00	31.50	22.50
26	20.40	34.68	28.56	20.40	53.00	42.84	30.60	53.00	42.84	30.60
32	31.50	53.55	44.10	31.50	81.90	66.15	47.25	81.90	66.15	47.25
Factor	1.0	1.7	1.4	1.0	2.6	2.1	1.5	2.6	2.1	1.5

### 1 LEG SLING      2 LEG SLING



### 3 LEG SLING



### 4 LEG SLING



If Grade 80 - Alloy slings are used at temperatures exceeding 200°C, then the Working Load Limit has to be reduced.

-40 to +200°C	+200 to +300°C	+300 to +400°C
100%	90%	75%

Assembled with chain from:



# THIELE®



Made in Germany



## GRADE 100 CHAIN SLINGS

Chain slings are the classic and widely used load handling attachment for a wide variety of lifting applications. They feature flexibility and extremely high durability.

Premium quality chain slings assembled with Thiele chain made in Germany to ASTM973. We offer complete chain slings and components as well as corresponding accessories and spare parts. Chain slings made to order according to your requirements.

All lifting components are uniformly marked with equivalent chain size and grade. Safety factor: 4:1 **25% stronger than the corresponding diameter Grade 80 chain.**

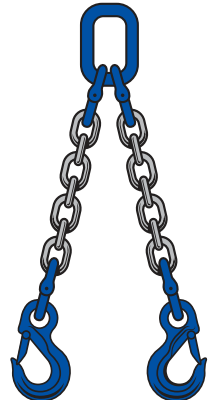
WORKING LOAD LIMITS											
		Two Leg				Three Leg			Four Leg		
Angle from vertical - $\beta$	One Leg	30°	45°	60°	30°	45°	60°	30°	45°	60°	
Angle between legs - $\alpha$	-	60°	90°	120°	-	-	-	60°	90°	120°	
Chain Dia. (mm)	Grade	t	t	t	t	t	t	t	t	t	
8	2.50	4.25	3.50	2.50	6.50	5.25	3.75	6.50	5.25	3.75	
10	4.00	6.80	5.60	4.00	10.40	8.40	6.00	10.40	8.40	6.00	
13	6.70	11.39	9.38	6.70	17.42	14.07	10.05	17.42	14.07	10.05	
16	10.00	17.00	14.00	10.00	26.00	21.00	15.00	26.00	21.00	15.00	
Factor	1.0	1.7	1.4	1.0	2.6	2.1	1.5	2.6	2.1	1.5	

Grade 100 - Alloy slings cannot be used at temperatures exceeding 200°C.

1 LEG SLING



2 LEG SLING



3 LEG SLING



4 LEG SLING



Assembled with chain from:



**THIELE®**



Made in Germany



# ILULA®



## WEBBING SLINGS

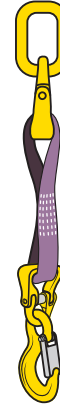
Versatile and lightweight multiple leg webbing slings now available with quicker delivery.

### NEW PRODUCT TO OUR RANGE

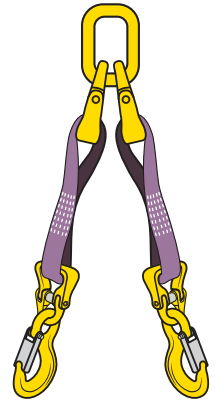
Webbing slings with special Grade 80 components ideal for applications where damage to the item being lifted needs to be minimised. Easier handling

compared to chain slings. Webbing connectors enable easy attachment of webbing slings to master links, eye sling hooks or eye self-locking hooks.

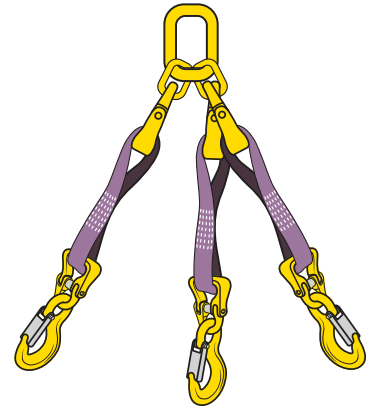
#### 1 LEG SLING



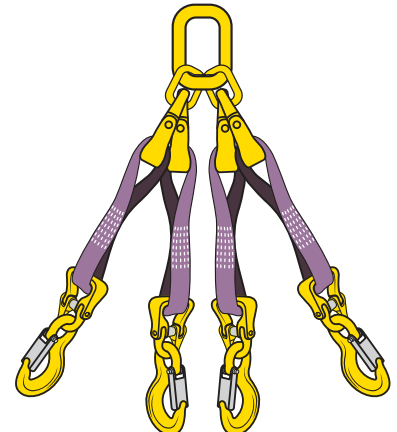
#### 2 LEG SLING




#### 3 LEG SLING



#### 4 LEG SLING



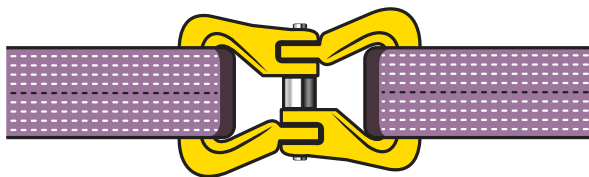
### WORKING LOAD LIMITS



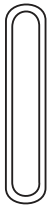
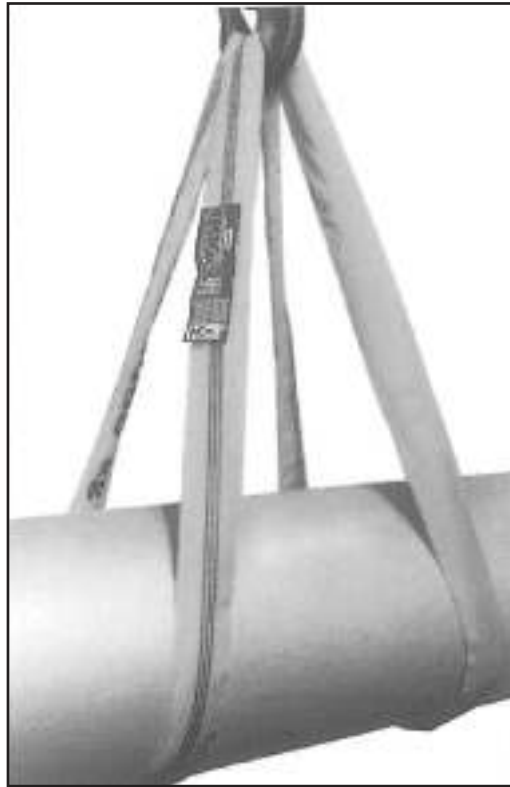
	One Leg			Two Leg			Three Leg			Four Leg			
Angle from vertical - $\beta$	0°	30°	45°	60°	30°	45°	60°	30°	45°	60°	30°	45°	60°
Angle between legs - $\alpha$	-	60°	90°	120°	-	-	-	60°	90°	120°	-	-	-
Webbing Sling Capacity (Ton)	t	t	t	t	t	t	t	t	t	t	t	t	t
1	1	1.7	1.4	1.0	2.6	2.1	1.5	2.6	2.1	1.5	2.6	2.1	1.5
2	2	3.4	2.8	2.0	5.2	4.2	3.0	5.2	4.2	3.0	5.2	4.2	3.0
3	3	5.1	4.2	3.0	7.8	6.3	4.5	7.8	6.3	4.5	7.8	6.3	4.5
4	4	6.8	5.6	4.0	10.4	8.4	6.3	10.4	8.4	6.0	10.4	8.4	6.0
Factor	1.0	1.7	1.4	1.0	2.6	2.1	1.5	2.6	2.1	1.5	2.6	2.1	1.5

#### IEWJ SLING JOINER

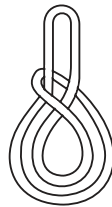
Grade 80 Sling Joiner to connect two webbing slings or to make webbing slings endless.



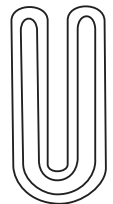
# ENDLESS ROUND SLINGS



VERTICAL



CHOKER



BASKET

SAFE WORKING LOADS IN Kg						
	VIOLET	GREEN	YELLOW	GREY	RED	BROWN
VERTICAL	1 000 Kg	2 000 Kg	3 000 Kg	4 000 Kg	5 000 Kg	6 000 Kg
CHOKER	800 Kg	1 600 Kg	2 400 Kg	3 200 Kg	4 000 Kg	4 800 Kg
BASKET	2 000 Kg	4 000 Kg	6 000 Kg	8 000 Kg	10 000 Kg	12 000 Kg

-MADE OF TENSILE YARN IN A CONTINUOUS SPUN LENGTH-

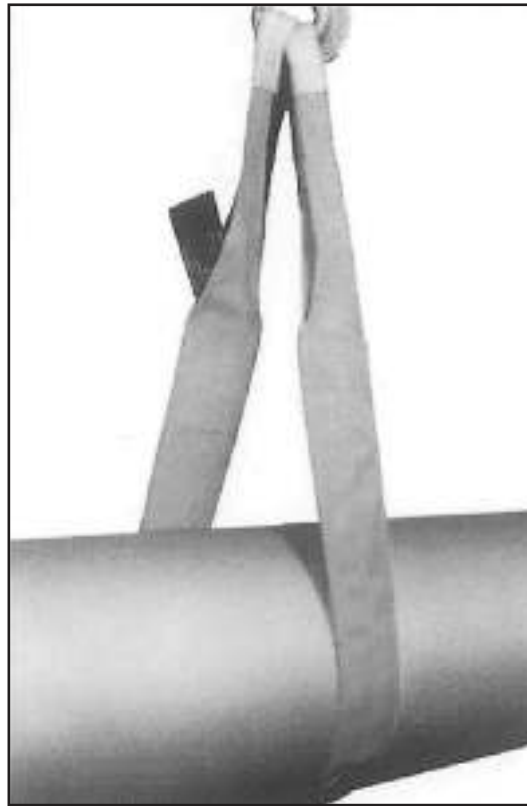
-ENCASED IN MATCH PROTECTIVE SLEEVE-

-ALL SLINGS ARE MANUFACTURED TO COMPLY WITH EN 1492-2:2000  
AND SANS 94-2:2003-

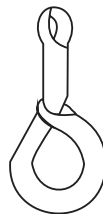
-SLINGS WITH HIGHER SAFE WORKING LOADS AVAILABLE ON REQUEST-

**SAFETY FACTOR 7 : 1**

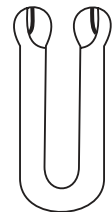
# POLYESTER DUPLEX FLAT WEBBING SLINGS



VERTICAL



CHOKER



BASKET

SAFE WORKING LOADS IN Kg						
	50mm WEBBING VIOLET	60mm WEBBING GREEN	90mm WEBBING YELLOW	120mm WEBBING GREY	150mm WEBBING RED	180mm WEBBING BROWN
VERTICAL	1 000 Kg	2 000 Kg	3 000 Kg	4 000 Kg	5 000 Kg	6 000 Kg
CHOKER	800 Kg	1 600 Kg	2 400 Kg	3 200 Kg	4 000 Kg	4 800 Kg
BASKET	2 000 Kg	4 000 Kg	6 000 Kg	8 000 Kg	10 000 Kg	12 000 Kg

-COMPLETE WITH REINFORCED SOFT EYES-

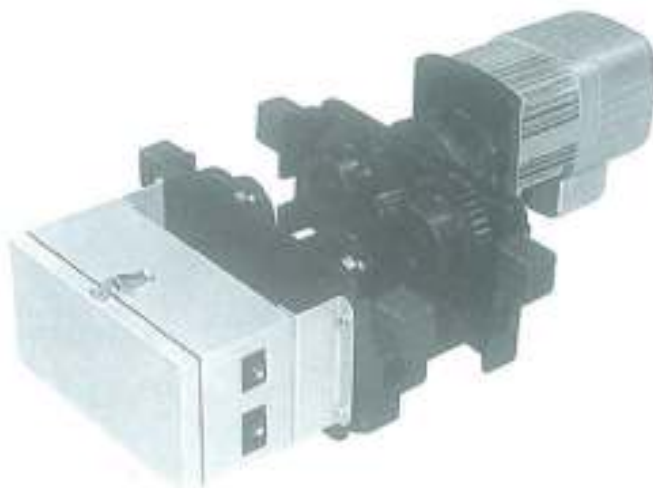
-COLOUR CODED FOR EASY IDENTIFICATION OF SWL-

-ALL SLINGS ARE MANUFACTURED TO COMPLY WITH EN 1492-1:2000-  
AND SANS 94-1:2003-

-SLINGS WITH HIGHER SAFE WORKING LOADS AVAILABLE ON REQUEST-

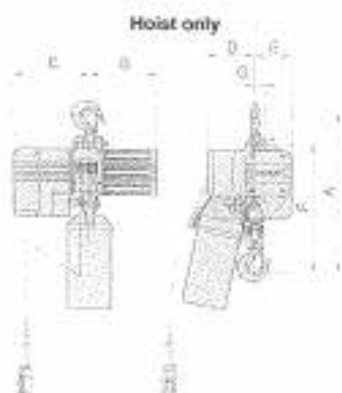
**SAFETY FACTOR 7 : 1**

# FITOP ELECTRIC HOISTS AND MOTORIZED CRAWLS



- Low headroom design.
- High duty cycle, 360 starts per hour standard.
- Heavy duty hoist motor with class H insulation.
- Ideal lifting speeds.
- High output motors.
- Negative phase detector.
- True modular design.
- Grade 80 super alloy load chain, 6 to 1 safety factor.
- Chain bag standard.
- The unique D.C. brake design does not break the kinetic bond between the holding brake and the lifted load. The brake design also incorporates a manual release mechanism in case of power failure.
- Overload protection via advanced external slip clutch.
- Sealed electrical enclosure.
- Upper and lower paddle type limit switch has built-in chain guides.
- Lightweight pendant is double insulated and ergonomically designed.
- 48 volt low-voltage control standard.
- Motorized crawl includes D.C. disc brake and control.
- Motorized crawl hoists are supplied with a four-button pendant control.
- Standard voltages: 380V/50Hz, and 525V/50Hz.

## SPECIFICATIONS AND DIMENSIONS



Capacity (ton)	Single or dual speed	Output (kW)	Speed (m/min)	Chain falls	Chain dia (mm)	Weight (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
1/2	Single	0,84	8	1	5,6	37	410	215	264	158	105	318	38
1/2	Dual	0,94/0,31	8/2,7	1	5,8	39	410	255	264	158	105	318	38
1	Single	1,88	8	1	7,1	52	542	229	256	161	124	430	33
1	Dual	1,88/0,63	8/2,7	1	7,1	57	542	269	256	161	124	430	33
2	Single	3,75	8	1	10	118	697	290	297	200	143	557	47
2	Dual	3,75/1,25	8/2,7	1	10	122	697	331	297	200	143	557	47
2	Single	1,88	4	2	7,1	57	654	229	256	194	91	514	33
3	Single	3,75	4,8	2	10	132	834	290	297	247	96	668	47
3	Dual	3,75/1,25	4,8/1,6	2	10	136	834	331	297	247	96	668	47
5	Single	4,5	3,7	2	11,2	146	867	310	297	247	96	697	47
5	Dual	4,5/1,5	3,7/1,2	2	11,2	150	867	360	297	247	96	697	47

Weight includes 3 metre lift

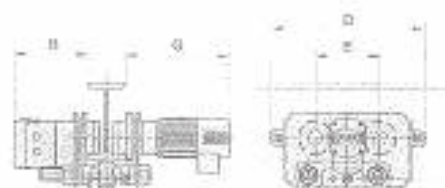
Hoist complete with motorized crawl



Capacity (ton)	Single or dual speed	Output (kW)	Speed (m/min)	Chain falls	Chain dia (mm)	Weight (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
1/2	Single	0,84	8	1	5,6	59	470	215	264	390	152	478	334	231
1/2	Dual	0,94/0,31	8/2,7	1	5,6	61	470	255	264	390	152	478	374	231
1	Single	1,88	8	1	7,1	93	617	229	256	390	152	717	334	231
1	Dual	1,88/0,63	8/2,7	1	7,1	98	617	269	256	390	152	717	374	231
2	Single	3,75	8	1	10	166	787	290	297	440	182	897	345	239
2	Dual	3,75/1,25	8/2,7	1	10	170	787	331	297	440	182	897	385	239
2	Single	1,88	4	2	7,1	90	792	229	256	440	182	897	345	239
3	Single	3,75	4,8	2	10	205	944	290	297	510	212	1089	345	239
3	Dual	3,75/1,25	4,8/1,6	2	10	209	944	331	297	510	212	1089	385	239
5	Single	4,5	3,7	2	11,2	268	992	310	297	586	252	1167	394	247
5	Dual	4,5/1,5	3,7/1,2	2	11,2	270	992	360	297	586	252	1167	394	247

Weight includes 3 metre lift

Motorized crawl



Capacity (ton)	Single or dual speed	Output (kW)	Speed (m/min)	Beam adj (mm)	Wheel dia (mm)	Min radius (mm)	D (mm)	E (mm)	G (mm)	H (mm)	I (mm)
1	Single	0,25	21	75-175	68	800	390	152	334	231	88
1	Dual	0,23/0,08	21/7	75-175	68	800	390	152	374	231	88
2	Single	0,25	21	100-200	88	800	440	182	345	239	106
2	Dual	0,23/0,08	21/7	100-200	88	800	440	182	385	239	106
3	Single	0,75	17	100-250	110	1000	510	212	345	239	129
3	Dual	0,57/0,19	17/5,6	100-250	110	1000	510	212	385	239	129
5	Single	0,75	18	125-300	145	1800	586	252	394	247	148
5	Dual	0,57/0,19	18/6	125-300	145	1800	586	252	394	247	148

Refer 'Vitalift Crawls' leaflet for specifications on plain and geared crawls



# MAXIHOIST®

## ELECTRIC CHAIN HOIST

Electric Chain Hoist 1 Ton, 2 Ton & 3 Ton Single Fall, Single Speed

- Hoist Body: Manufactured from lightweight aluminium which is rigid allowing for use in extreme working conditions. The design of the cooling fins offers rapid heat dissipation to prevent overheating
- Phase protection relay: Unit will not operate if phases are incorrectly connected
- Limit switch: Durable limit switch device is installed to make the motor stop automatically when safety limits are exceeded
- Side magnetic braking device: The braking device will instantly brake in the case of a power failure or interruption
- Chain bag: The bags are lightweight and durable
- Chain: The chain is imported case hardened grade 80 steel alloy chain
- Pendant control: 48V pendant control for operator safety. The push button is light and durable with an emergency mains cut out
- Hook: Bottom hook rotates 360 degrees and is fitted with a safety latch



MEU020S380  
2 Ton Hoist

MEU010S380  
1 Ton Hoist



MEU030S380  
3 Ton Hoist





# MAXIHOIST®

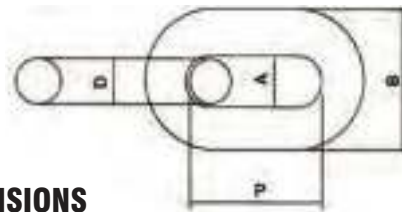
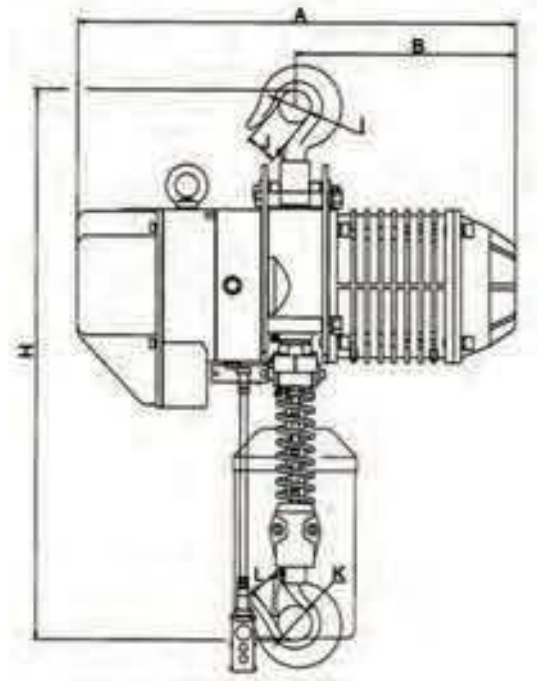
## ELECTRIC CHAIN HOIST

Electric Chain Hoist 1 Ton, 2 Ton & 3 Ton Single Fall, Single Speed

### HOIST SPECIFICATIONS & DIMENSIONS

Type	Capacity (Ton)	Lifting Height (cm)	Lifting Space (m/min)	Power (kW)	Rotation Speed	Phases	Voltage (V)	Frequency
MEU010S380	1	3/9	6.6	1.5	1440	3	380	50
MEU020S380	2	3/9	6.6	3.0	1440	3	380	50
MEU030S380	3	3/9	5.4	3.0	1440	3	380	50

Type	Capacity (Ton)	H	A	B	D	E	I	J	K	L	M	N	Chain
MEU010S380	1	650	520	260	300	176	Ø42	32	Ø42	32	24	24	Ø7.1
MEU020S380	2	800	615	295	430	265	Ø49	40	Ø49	40	30	30	Ø10.0
MEU030S380	3	845	615	295	430	265	Ø59	48	Ø59	48	35	35	Ø11.2

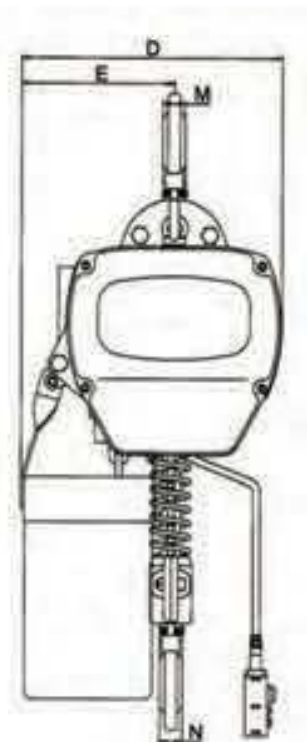
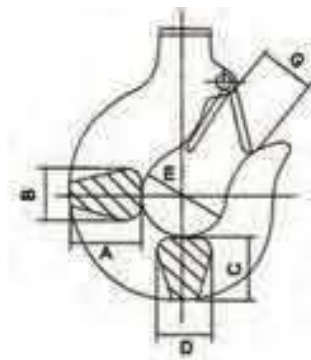


### CHAIN SPECIFICATIONS & DIMENSIONS

Applicable Type	Diameter (mm) D	Inside Length (mm) P	Inside Width (mm) A	Outside Width (mm) B	Working Load (Kg)	Guaranteed Load (kN)	Break Load (kN)
MEU010S380	7.1	21	8.9	25	1600	37	61.6
MEU020S380	10.0	30	12.5	35	3200	76	125
MEU030S380	11.2	34	14	39	3800	92	154



Hoist with Hook

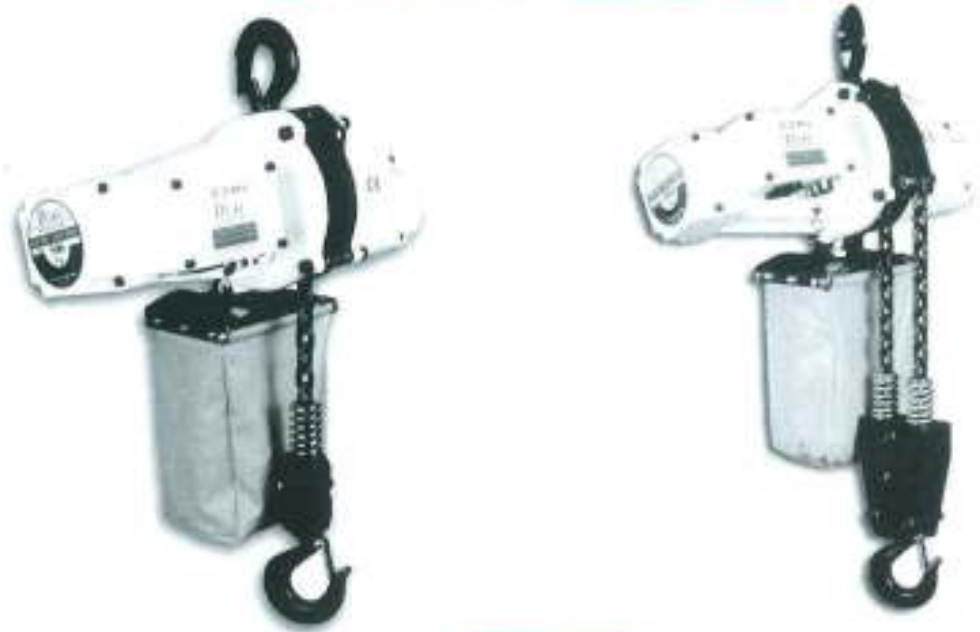


### HOOK SPECIFICATIONS & DIMENSIONS

Type	Capacity (Ton)	A	B	C	D	E	G
MEU010S380	1	34	24	30	24	42	32
MEU020S380	2	46	29	39	30	49	40
MEU030S380	3	56	35	49	34	59	48

HOIST&WINCH  
**DUKE**

## MINI ELECTRIC CHAIN HOIST



### FEATURES:

- DOUBLE BRAKE SYSTEM
- OVER-ROLL PREVENTION DEVICE
- OVERLOAD LIMIT DEVICE
- LIGHTWEIGHT MODULAR DESIGN WITH FEWER PARTS FOR EASY MAINTENANCE
- WEATHER AND DUST PROTECTION
- ONE-PIECE CASTING OF LOAD FRAME
- FRAME HAS BAKED FINISH FOR SUPERIOR RESISTANCE TO HARMFUL ENVIRONMENTS

**SUPER MINI • SUPER LIGHT • HIGH PERFORMANCE**

MODEL	DU-901	DU-902
CAPACITY	500 Kg	1000 Kg
SPEED	5M / Min	2.5M / Min
OUTPUT	1.2 kW	1.2 kW
VOLTAGE	220V Single Phase	220V Single Phase
CHAIN	6,3 x 19 mm	6,3 x 19 mm
NO. OF FALLS	1	2
DUTY CYCLE	30 %	30 %
HEADROOM	500 mm	500 mm
NET WEIGHT	23 Kg	30 Kg

CE ISO-9001

HOIST & WINCH  
**DUKE.**

## **BUILDERS HOIST**



### **FEATURES:**

COMPACT AND LIGHTWEIGHT DESIGN  
EASILY MOUNTED  
LIMIT LEVER SWITCH PREVENTS OVER-WINDING  
DOUBLE BRAKE SYSTEM  
PLUG-IN CONNECTIONS FOR MAXIMUM PORTABILITY  
COMPLETE WITH 360° UNIVERSAL JOINT SADDLE HOOK

**SUPER MINI • SUPER LIGHT • HIGH SPEED • HIGH PERFORMANCE**

MODEL	DU-250A
CAPACITY	250 Kg
SPEED	15M / Min
OUTPUT	1.3 kW
VOLTAGE	220V Single Phase
ROPE	5mm, 6 x 19, FC Galv.
MAX LIFT	60M
DUTY CYCLE	30 %
HEADROOM	700 mm
NET WEIGHT	20 Kg

CE ISO-9001



# PROLH LEVER HOIST

The professionals' choice incorporating our patented twin cam pawl design.

- Range 800kg - 20000kg
- Equipped with our unique dual brake mechanism
- Overload protection available
- One piece construction pinion gears
- Adaptable to use both inverted and horizontally
- **\*NEW\* Patented Twin Cam shaped pawl design**
- Light load tested and certified at 2% of the rated capacity and proof tested at 1.5 times the rated capacity
- Operating temperature range of - 40°C to + 50°C
- SANS 1636 compliant

PROLH lever hoists incorporate many of the advanced safety features that Tiger has developed, including their own unique dual brake mechanism that automatically engages when the lever hoist feels the slightest resistance on the bottom hook. This key feature means that the PROLH will raise, hold, and lower the lightest of loads without slipping.

The two stage process protects against accidental light load failures caused by putting the hoist into neutral whilst under load. This includes operations

that require a hoist to be used horizontally, inverted, or at any angle.

The PROLH is ideally suited for applications in the overhead transmission industry, shipyards, offshore platforms and is also suitable for underground mining use.

These units meet and exceed all the requirements within **BS EN 13157:2004,**

**ANSI/ASME B30.21-2005, AS1418.2 and SANS 1636.**



Drop forged and heat treated wide opening alloy hooks incorporating heavy duty latch kits that fully engage into the nose of the hook offering maximum load security.



Chain stripper specifically designed to guide the load chain safely onto or off the load sheave without snagging or jamming, allowing safe use in any orientation.



Unique dual brake mechanism with anti-tamper design, shown in "freewheel" and "brake engaged" positions. Available with overload protection.



Product Code	Capacity (ton)	Effort (kg)	Headroom (mm)	Load Chain		Standard HOL (m)	Mass @ std HOL (kg)	Mass for extra metre HOL (kg)
				Diameter (mm)	No. of falls			
TLU008	0.8	22	275	6.3	1	1.5	7.6	0.86
TLU015	1.5	26	320	7.1	1	1.5	10.7	1.10
TLU030	3.0	38	400	10.0	1	1.5	18.2	2.17
TLU060	6.0	40	570	10.0	2	1.5	29.7	4.34
TLU100	10.0	47	630	10.0	3	1.5	45.7	6.54
TLU200	20.0	43	1050	10.0	6	3	174.0	13.08



# TCB CHAIN BLOCK

The classic heavy duty light weight chain block.

- Range from 500kg - 30000kg
- Double cover protection for brake chamber
- **\*NEW\* Patented Twin Cam shaped pawl design**
- Guaranteed 2% light load protection and proof tested to 1.5 times rated capacity
- Overload protection available
- Tested and certified for "fleeting" and "cross-hauling" applications
- Safe reliable independent twin pawl mechanical brake
- Heat treated alloy steel triple spur gears and pinion shaft
- Minimal overhaul effort
- SANS 1594 compliant

Manufactured and evolved over 50 years, Tiger chain blocks offer the perfect balance between operator effort and speed of lift, ensuring maximum mechanical efficiency. The short head room allows for easy installation where space is limited. Using the highest quality steel materials, the TCB is a lightweight, compact and rugged construction. All major components are heat treated and precisely machined to

ensure long term smooth operation. The strong impact resistant gearbox housing has close tolerance fit bearings that fully support the pinion shaft and planet gears, to maintain smooth revolutions under load. These units meet and exceed all the requirements within **BS EN 13157:2004, ANSI/ASME B30.21-2005, AS1418.2 and SANS 1594.**



Drop forged and heat treated wide opening alloy hooks incorporating heavy duty latch kits that fully engage into the nose of the hook offering maximum load security.



Recessed forgings offer full protection to the load chain anchor bolts on all our bottom hooks.



Strong and contoured chain end anchor will hold a load of at least 2.5 times the rated capacity when supporting the full load without restraint from other components e.g. brake or gearing. This prevents accidents, by acting as a stop when the lift length of the load chain is exceeded when lowered.

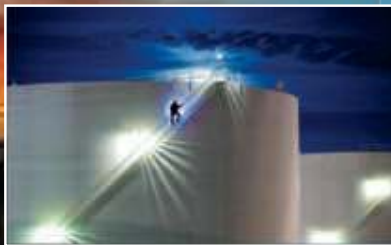


The fine tolerance deep pockets on the hand wheel ensure positive engagement of the hand chain at all times for smooth operation. Overload protection available.



Shown with optional corrosion resistant load chain.

Product Code	Capacity (ton)	Effort (kg)	Headroom (mm)	Load Chain		Standard HOL (m)	Mass @ std HOL (kg)	Mass for extra metre HOL (kg)
				Diameter (mm)	No. of falls			
TCU005	0.5	21	305	6.3	1	3	10.8	1.86
TCU010	1.0	25	340	6.3	1	3	11.8	1.86
TCU015	1.5	32	385	7.1	1	3	16.2	2.10
TCU020	2.0	34	420	8.0	1	3	20.0	2.39
TCU030S	3.0	38	550	10.0	1	3	30.8	3.17
TCU030	3.0	34	465	7.1	2	3	23.3	3.20
TCU050	5.0	37	575	8.0	3	3	37.8	5.17
TCU080	8.0	37	745	8.0	4	3	67.0	6.56
TCU100	10.0	40	660	10.0	3	3	65.0	7.54
TCU150	15.0	41	840	10.0	5	3	131.4	11.85
TCU200	20.0	43	1050	10.0	6	3	180.5	14.20
TCU300	30.0	42	1200	10.0	10	3	300.0	23.80



# SS11 SUBSEA LEVER HOIST

The original and proven subsea lever hoist - constantly developed and improved.

- Range from 800kg – 20000kg
- **\*NEW\* Patented Twin Cam shaped pawl design**
- Unique dual brake mechanism
- One piece construction pinion gears
- No requirement for pre-load tension to activate the ratchet mechanism
- Lifts, holds and lowers the load at 2% of rated capacity so no light load failures
- Over 1000 hours corrosion protection under ASTM B117 salt spray test conditions
- Certified and proven track record
- Overload protection available
- SANS 1636 compliant

The SS11 has been designed and developed to be certified for safe use Subsea, and is thus also suitable for most harsh and extreme applications.

It comes equipped with a unique dual brake mechanism that automatically engages when the lever hoist feels the slightest resistance on the bottom hook. This key feature means that the SS11 will raise, hold, and lower the lightest of loads without slipping. The two stage process protects against accidental light load failures caused by putting the hoist into neutral whilst under load.

The unique design features and anti-corrosion

properties incorporated in the SS11 hoist range, including the one piece construction pinion gears, give it significant safety advantages over standard lever hoists, making the hoist the ideal tool for all marine, mining and other extreme applications.

The SS11 meets and exceeds the requirements of IMCA DO28 Rev. 1 "Guidance on the use of chain lever hoists in the offshore subsea environment", as well as other industry client specifications whilst conforming to standards such as **BS EN 13157:2004, ANSI/ASME B30.21-2005, AS1418.2 and SANS 1636.**



Drop forged and heat treated wide opening alloy hooks incorporating heavy duty latch kits that fully engage into the nose of the hook offering maximum load security. Stainless steel fixings and fasteners used throughout the hoist.



Chain stripper specifically designed to guide the load chain safely onto or off the load sheave without snagging or jamming, allowing safe use in any orientation.



Tiger have incorporated the ultimate safeguarding of a single point failure mode by installing a new specially designed adjustable chain end stop profiled to fit the contours of the hoist body.



Unique dual brake mechanism.

## SPECIFICATIONS

Product Code	Capacity (ton)	Effort (kg)	Headroom (mm)	Load Chain		Standard HOL (m)	Mass @ std HOL (kg)	Mass for extra metre HOL (kg)
				Diameter (mm)	No. of falls			
SSU008	0.8	23	275	6.3	1	3	9.1	0.86
SSU015	1.5	26	320	7.1	1	3	12.6	1.10
SSU030	3.0	38	400	10.0	1	3	22.0	2.17
SSU060	6.0	40	570	10.0	2	3	36.5	4.34
SSU100	10.0	47	630	10.0	3	3	56.3	6.54
SSU200	20.0	43	1050	10.0	6	3	174.0	13.08

This unit can also be supplied to ATEX approved spark resistant specification.





# SS12 CORROSION RESISTANT CHAIN BLOCK

Unrivalled corrosion protection.

- Range 500kg – 30000kg
- **\*NEW\* Patented Twin Cam shaped pawl design**
- Fully corrosion protected body and components - over 1000 hours continuous protection
- Corrosion protected load and hand chain
- Marine specific friction discs

- Double cover protection for brake chamber
- Stainless steel fixings and fasteners
- Guaranteed 2% light load protection
- Overload protection available
- SANS 1594 compliant

Tiger chain blocks have been manufactured and developed for 50 years and offer the perfect balance between operator effort and speed of lift, ensuring maximum mechanical efficiency.

Using only the highest quality materials precisely machined in our own factory, the SS12 is the ideal block for use in salt water and other corrosive environments, with less maintenance and servicing costs.

The highly efficient and fully corrosion protected twin pawl brake works instantly when the

operation is stopped and securely holds the load. Loads are lowered under perfect control, allowing for precise operations.

The SS12 easily passes the "brake lock out test" as per BS 3243:1990 with a 2% load of the rated capacity.

These units meet and exceed all the requirements within **BS EN 13157:2004, ANSI/ASMEB30.21-2005, AS1418.2 and SANS 1594.**



Drop forged and heat treated wide opening alloy hooks incorporating heavy duty latch kits that fully engage into the nose of the hook offering maximum load security. Stainless steel fixings and fasteners used throughout the hoist.



Recessed forgings offer full protection to the load chain anchor bolts on all our bottom hooks. Load sheave protected design on all multi fall hooks.



Unique corrosion protection of all the internal parts including load and hand chain, ensuring over 1000 hours continuous protection under ASTM B117 salt spray test conditions.



Can be supplied to ATEX approved spark resistant specification.



## SPECIFICATIONS

Product Code	Capacity (ton)	Effort (kg)	Headroom (mm)	Load Chain		Standard HOL (m)	Mass @ std HOL (kg)	Mass for extra metre HOL (kg)
				Diameter (mm)	No. of falls			
SCU005	0.5	21	305	6.3	1	3	10.8	1.88
SCU010	1.0	25	340	6.3	1	3	11.8	1.88
SCU015	1.5	32	385	7.1	1	3	16.2	2.10
SCU020	2.0	34	420	8.0	1	3	20.0	2.40
SCU030	3.0	38	550	10.0	1	3	30.8	3.20
SCU050	5.0	37	575	8.0	3	3	37.8	5.20
SCU100	10.0	40	660	10.0	3	3	65.0	7.60
SCU200	20.0	43	1050	10.0	6	3	180.5	14.20
SCU300	30.0	42	1200	10.0	10	3	300.0	23.80

# ILULA CHAIN BLOCKS

These units are of lightweight but robust construction, manufactured in accordance with ISO 9001 certified quality system standards. They comply with EC Council Directive 89/37/EC Machinery, ASME B30, AS1418.2.

## SPECIAL FEATURES:

- Extra-thick asbestos-free friction plates.
- Double pawl braking system.
- Lipped hooks, providing extra safety.
- Double cover protection on brake side.
- Galvanized hand chain.



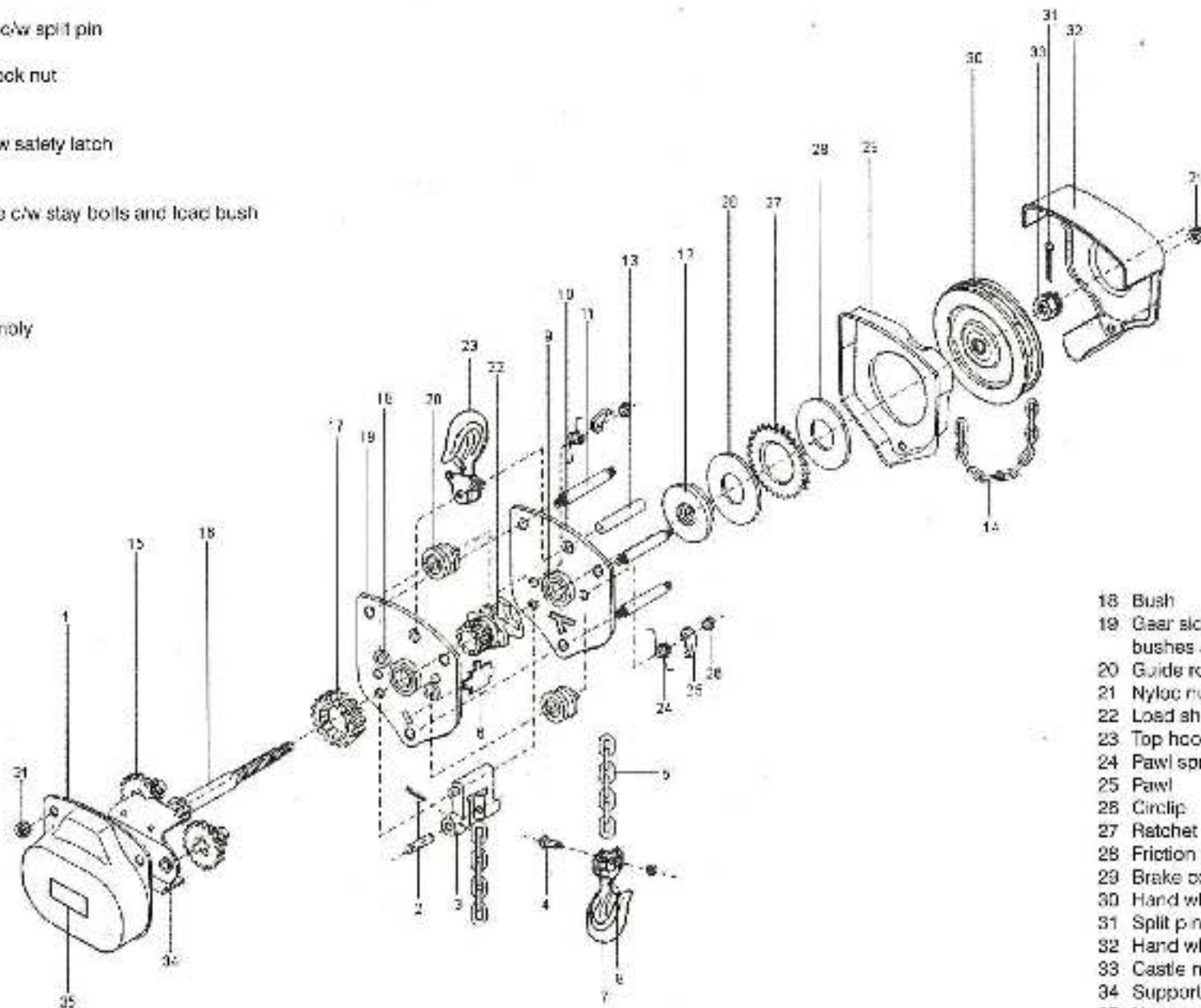
## SPECIFICATIONS

Model	Capacity (ton)	Load chain falls	Pulling effort (kg)	Drawn-up height (mm)	Weight c/w 3M pull (kg)
E005	0,5	1	23	270	8
E010	1,0	1	31	317	12
E015	1,5	1	32	399	18
E020	2,0	1	36	414	18
E030	3,0	2	34	465	25
E050	5,0	2	42	636	45
E100	10,0	4	42	798	79
E200	20,0	8	42 x 2	890	193

## SEE OVERLEAF FOR PARTS LIST

• 3,0 ton available with single fall	3,0	1	38	570	28
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- 1 Gear cover
- 2 End anchor pin c/w split pin
- 3 End anchor
- 4 Chain pin and lock nut
- 5 Load chain
- 6 Stripper
- 7 Bottom hook c/w safety latch
- 8 Safety latch
- 9 Bearing
- 10 Wheel side plate c/w stay bolts and load bush
- 11 Stay bolt
- 12 Hub
- 13 Top hook pin
- 14 Hand chain
- 15 Disc gear assembly
- 16 Pinion shaft
- 17 Splined gear



- 18 Bush
- 19 Gear side plate c/w pinion bushes and load bush
- 20 Guide roller
- 21 Nyloc nut
- 22 Load sheave
- 23 Top hook c/w safety latch
- 24 Pawl spring
- 25 Pawl
- 26 Circlip
- 27 Ratchet disc
- 28 Friction plate
- 29 Brake cover
- 30 Hand wheel
- 31 Split pin
- 32 Hand wheel cover
- 33 Castle nut
- 34 Support plate
- 35 Name plate c/w rivets

# ILULA LEVER BLOCKS

These units are of lightweight but robust construction, manufactured in accordance with ISO 9002 certified quality system standards. They comply with EC Council Directive 89/37/EC Machinery, ASME B30, AS1418.2.

## *SPECIAL FEATURES:*

- Extra-thick asbestos-free friction plates.
- Double pawl braking system.
- Lipped hooks, providing extra safety.
- Time-saving rapid free-wheeling system.
- Unique holding system, ensuring that chain cannot free-wheel under load in the event of neutral being accidentally engaged.

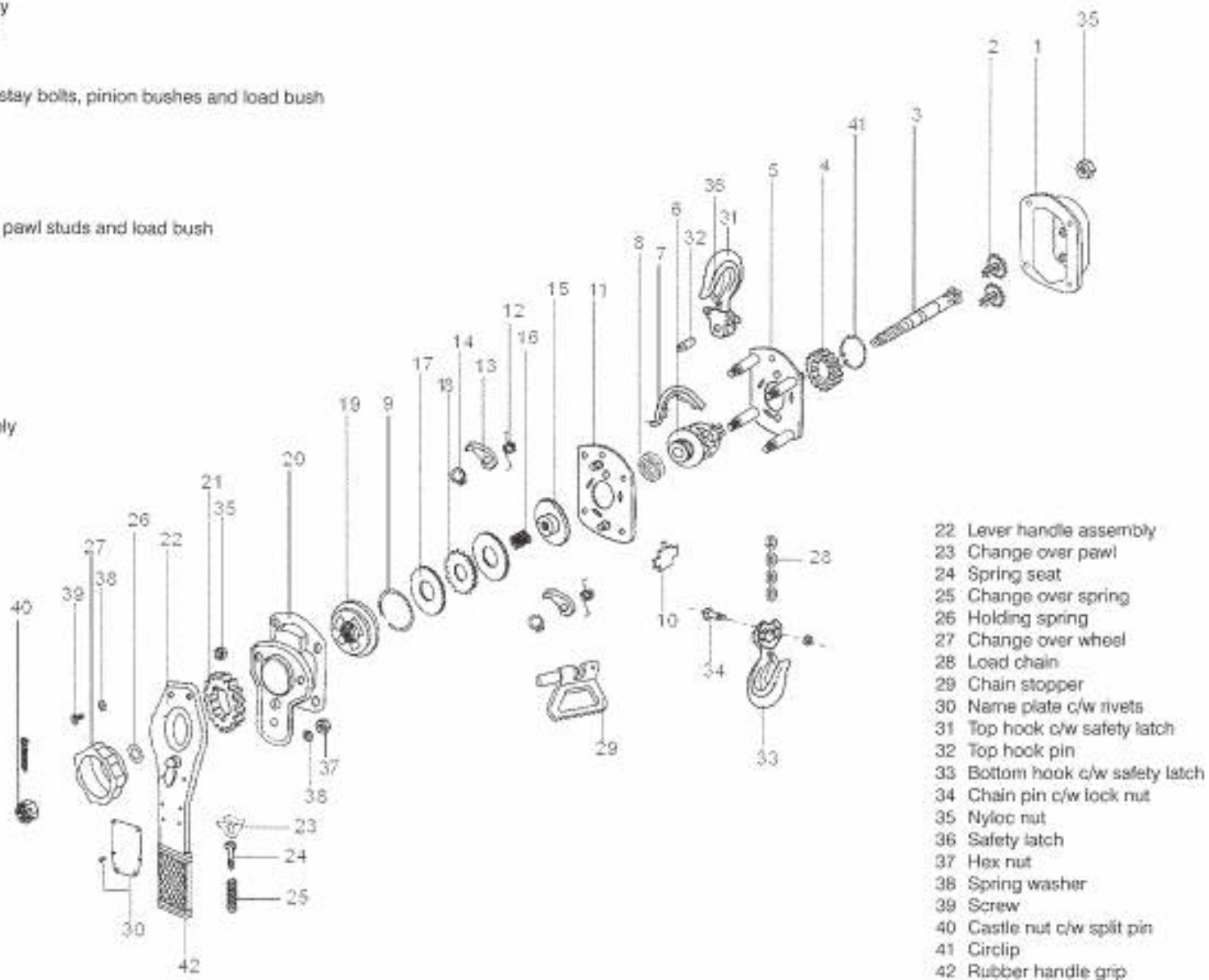


## **SPECIFICATIONS**

Model	Capacity (ton)	Load chain falls	Levering effort (kg)	Drawn-up height (mm)	Weight c/w 3M pull (kg)
LHA075	0,75	1	14	325	8
LHA150	1,5	1	22	380	13
LHA300	3,0	1	32	480	22
LHA600	6,0	2	34	620	36
LHA900	9,0	3	36	700	53

SEE OVERLEAF FOR PARTS LIST

- 1 Gear cover assembly
- 2 Disc gear assembly
- 3 Pinion shaft
- 4 Splined gear
- 5 Gear side plate c/w stay bolts, pinion bushes and load bush
- 6 Load sheave
- 7 Chain guide
- 8 Bearing
- 9 Snap ring
- 10 Stripper
- 11 Lever side plate c/w pawl studs and load bush
- 12 Pawl spring
- 13 Pawl
- 14 Circlip
- 15 Hub
- 16 Free spring
- 17 Friction plate
- 18 Ratchet disc
- 19 Female thread grip
- 20 Brake cover assembly
- 21 Change over gear



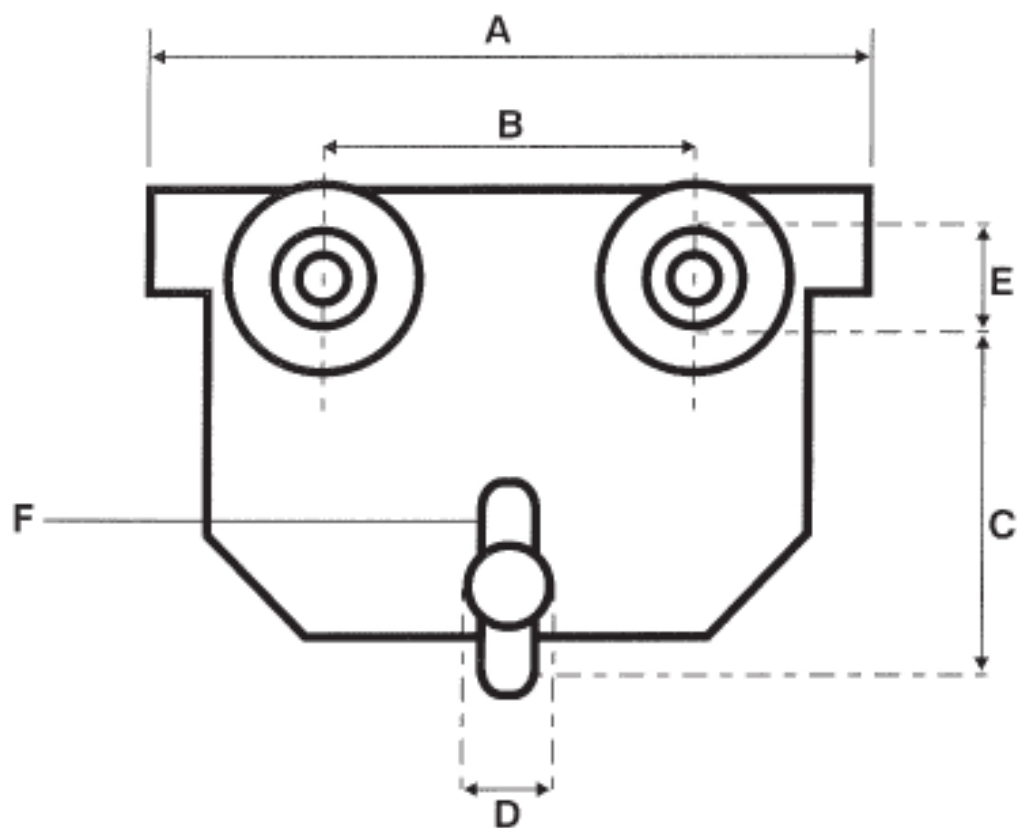
- 22 Lever handle assembly
- 23 Change over pawl
- 24 Spring seat
- 25 Change over spring
- 26 Holding spring
- 27 Change over wheel
- 28 Load chain
- 29 Chain stopper
- 30 Name plate c/w rivets
- 31 Top hook c/w safety latch
- 32 Top hook pin
- 33 Bottom hook c/w safety latch
- 34 Chain pin c/w lock nut
- 35 Nyloc nut
- 36 Safety latch
- 37 Hex nut
- 38 Spring washer
- 39 Screw
- 40 Castle nut c/w split pin
- 41 Circlip
- 42 Rubber handle grip

# ROLACRAWLS

**PLAIN**



**GEARED**



SPECIFICATIONS		CAPACITY					
		½t	1t	2t	3t	5t	
A	Overall length	198mm	245mm	277mm	330mm	380mm	
B	Distance between axles (centre to centre)	100mm	120mm	130mm	160mm	170mm	
C	Distance between beam base and hook bearing point	80mm	105mm	125mm	150mm	160mm	
D	Shaft diameter	24mm	30mm	36mm	41mm	47mm	
E	Load wheel diameter (at load-bearing surface)	55mm	67mm	80mm	100mm	110mm	
F	Internal width and height of suspension eye	24x30mm	30x35mm	40x47mm	44x57mm	50x64mm	
1	Side plate thickness	6mm	8mm	10mm	12mm	16mm	
2	Weight	Plain	5kg	9kg	14,5kg	23,5kg	36,5kg
		Geared	N/A	10kg	15,5kg	25kg	38,5kg
3	To fit beam width	Minimum	50mm	58mm	66mm	74mm	90mm
		Maximum	220mm	220mm	220mm	220mm	220mm
4	Minimum radius	1,3M	1,3M	1,5M	2M	2,5M	

# HARU®

## FALL ARRESTORS

A range of retractable lifelines that reduces the shock loading on the body by limiting the distance of fall. Used in work inspection, general construction, maintenance, oil production, telecommunications, mining and confined work areas.

HARU® Fall Arrestors provide continuous protection against falls. The Fall Arrestor automatically extends and retracts to allow freedom of movement. Each unit includes anchorage and extension ropes.

HARU® Fall Arrestors are manufactured in a ISO 9001:2008 factory and all products are CE approved. Maximum safe capacity of 150kg.



Patented Safety Mechanism



FAHB03,5N

FAHB06N

FAHB10

FAHB15

FAHB20

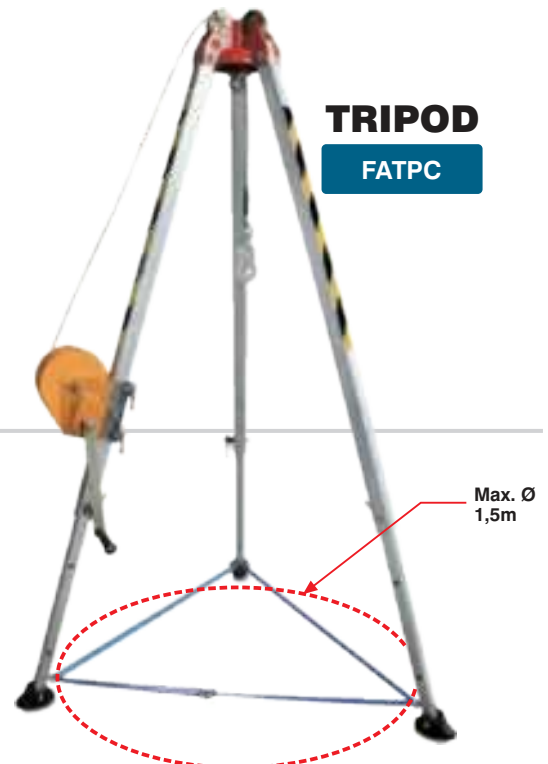
FAHB06

### SPECIFICATIONS - FALL ARRESTORS - EN360 APPROVED

Model Number	Type	Dia./Width of rope/webbing (mm)	Length (m)	Weight (kg)
FAHB03,5N	Nylon Webbing	25	3,5	1,6
FAHB06N	Nylon Webbing	25	6	1,6
FAHB06	Steel wire rope	4,0	6	4,5
FAHB10	Steel wire rope	4,0	10	4,8
FAHB15	Steel wire rope	4,0	15	6,6
FAHB20	Steel wire rope	4,0	20	8,6

### TRIPOD

FATPC



### SPECIFICATIONS - TRIPOD - EN795 APPROVED

Model Number	Material	Height (M)	Wire Dia. x Length	Safe Load (kg)	Weight (kg)
FATPC	Aluminium	1,35 - 2,40	5mm x up to max. 30m	100	20,0 (Excl. Rope)

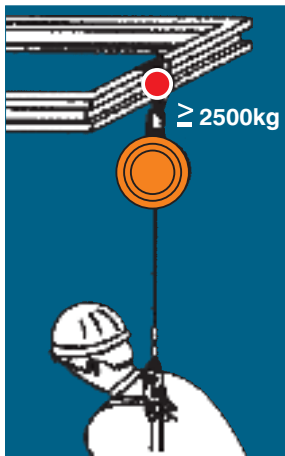
For confined space and rescue applications. Adjustable height. Additional cable pulley and point to attach to retractable lifeline. For manhole max. diameter 1,5m and under.



**HARU®**

# FALL ARRESTORS

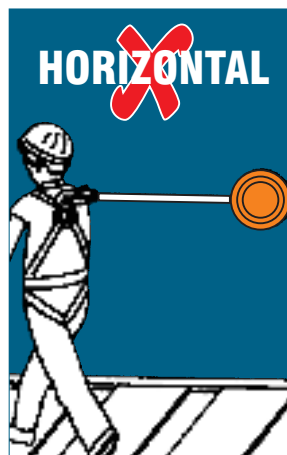
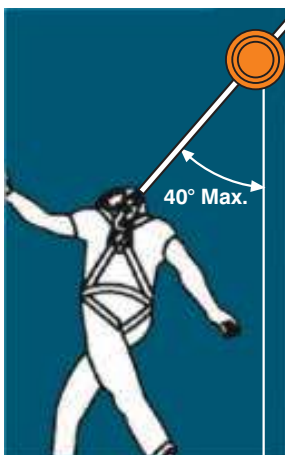
## Operating Guidelines



- Use a rigid anchor point capable of carrying at least 2500kg
- **DO NOT WORK ABOVE THE ANCHOR POINT**

- The minimum working height is calculated by adding 3,0m to the length of the fall of the rope

- The Fall Arrestor must be used in conjunction with a full body harness which conforms to EN361 and all connectors must conform to EN362



- Use at up to 40°
- **DO NOT WORK HORIZONTALLY TO THE FALL ARRESTOR**

### CAUTION!



Always read the instruction manual before use  
Always wear the correct safety gear



# LIFTING APPLIANCES

## DRUM LIFTERS



HORIZONTAL



VERTICAL



DRUM HOOKS



VERTICAL RING

## FORKLIFT HOOKS

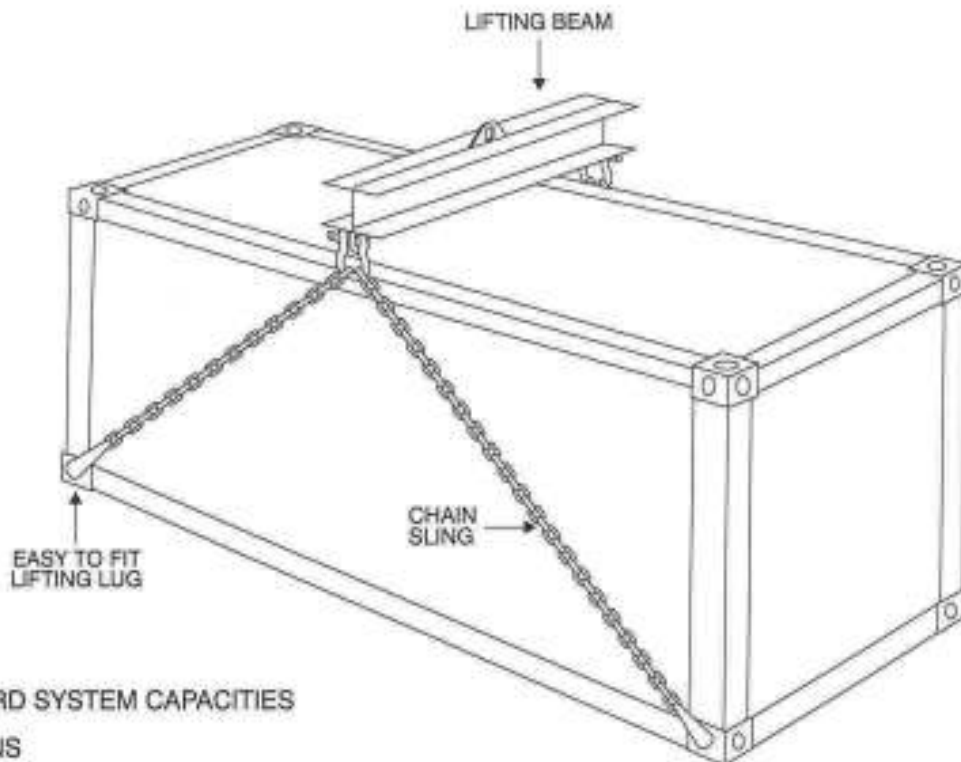


## BEAM CLAMPS



# CONTAINER LIFTING SYSTEMS

FOR LIFTING PARTIALLY FILLED OR  
EMPTY SIX METRE CONTAINERS



## STANDARD SYSTEM CAPACITIES

- 3 TONS
- 6 TONS
- 10 TONS

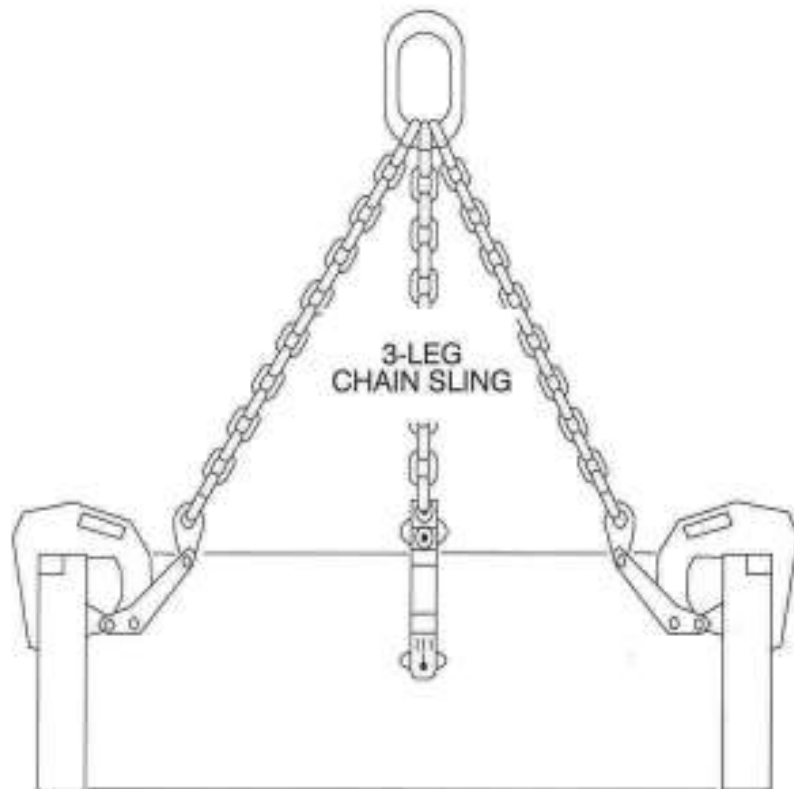
LUGS ARE AVAILABLE AS SEPARATE ITEMS:



WORKING LOAD LIMIT PER LUG - 12500Kg

SAFETY FACTOR 4 : 1

# MANHOLE-RING LIFTING SYSTEMS



A STANDARD SYSTEM CONSISTS OF A THREE-LEGGED CHAIN SLING ATTACHED TO THREE LIFTING CLAMPS.



- MINIMUM DIAMETER OF RING - 900mm
- WALL THICKNESS RANGE - 40mm TO 125mm
- MAXIMUM WEIGHT - 2400Kg
- CLAMPS AVAILABLE INDIVIDUALLY

# MAXIGRAB PLATE GRABS



## VERTICAL

Capacity (kg)	Jaw opening (mm)	Eye diameter (mm)	Net weight (kg)
1 000	0 - 22	48	4
2 000	0 - 30	57	6
3 000	0 - 35	59	9
5 000	5 - 45	64	17
8 000	5 - 55	64	26



## HORIZONTAL

Capacity per pair (kg)	Jaw opening (mm)	Eye diameter (mm)	Net weight per pair (kg)
1 500	0 - 25	25	6
3 000	0 - 30	30	8
4 000	0 - 45	40	12
5 000	0 - 50	29	15
8 000	0 - 85	50	45

## UNIVERSAL

Capacity (kg)	Jaw opening (mm)	Eye diameter (mm)	Net weight (kg)
1 000	0 - 20	48	4
2 000	0 - 25	67	7
3 000	0 - 30	74	15
5 000	0 - 50	80	21
8 000	0 - 45	84	37



# VITALIFT PLATE GRABS



## VERTICAL

Capacity (kg)	Jaw opening (mm)	Eye diameter (mm)	Net weight (kg)
1 000	0 - 18	84	6
2 000	0 - 28	78	16
3 000	0 - 30	75	16
5 000	5 - 50	86 x 129	39



## HORIZONTAL

Capacity per pair (kg)	Jaw opening (mm)	Eye size (mm)	Net weight per pair (kg)
1 000	0 - 60	29 x 46	20
3 000	0 - 100	45 x 68	43
6 000	0 - 100	45 x 68	52
10 000	50 - 150	60 x 68	93

## UNIVERSAL

Capacity (kg)	Jaw opening (mm)	Eye diameter (mm)	Net weight (kg)
1 000	0 - 18	69	7,4
2 000	0 - 28	72	18
3 000	0 - 30	74	18
5 000	0 - 50	79	44

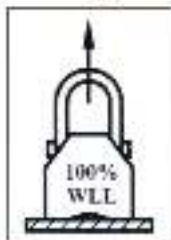


# MAXIMAG LIFTING MAGNETS

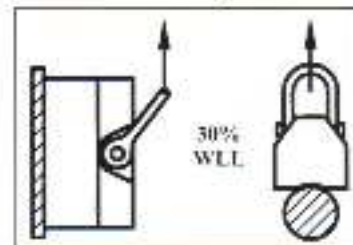


Model	RGL-1	RGL-3	RGL-6	RGL-10	RGL-20	RGL-30
Rated WLL holding force (KgF) (Diag. 1)	100	300	600	1 000	2 000	3 000
Cylindrical lifting capacity (KgF) (Diag. 2)	30	100	200	300	600	N/A
Maximum break away force (KgF)	350	1 050	2 100	3 500	7 000	10 500
Net weight (Kg)	3	10	24	50	125	220
Max handle turning force (KgF)	<4	<8	<8	<16	<16	<20
Length (mm)	92	162	232	258	378	458
Width (mm)	62	92	122	176	234	286
Height (mm)	67	91	117	163	212	261

Diag. 1



Diag. 2



— 3,5 : 1 SAFETY FACTOR —

— SIMPLE LOCKING SWITCH ENABLES ONE-HANDED OPERATION —

— V-SLOT IN LIFTING FACE ALLOWS FOR LIFTING OF FLAT AND ROUNDED SURFACES —

IT IS IMPERATIVE TO DETERMINE THE SUITABILITY OF A MAGNET FOR THE TASK TO BE PERFORMED. MATERIAL THICKNESS AND TYPE INFLUENCE THE WLL.  
PLEASE CONSULT YOUR DISTRIBUTOR BEFORE PURCHASE.

# HAND WINCHES



SINGLE  
SPEED



DUAL  
SPEED



DISC  
BRAKE  
SYSTEM

PULLING CAPACITY/MODEL (kg of force)	SPEED	GEAR RATIO	ROPE CAPACITY	DRUM DIAMETER (mm)
386	Single	3:1	* 5mm - 12M ** 6mm - 9M	35
545	Single	4:1	* 5mm - 23M ** 6mm - 17M	48
727	Single	4:1	** 6mm - 17M	48
909	Dual	4:1/ 10:1	***8mm - 12M	48
909B	Single	12:1	***8mm - 11M	60
1136	Dual	5:1/ 12:1	***8mm - 19M	48
1136B	Single	12,1:1	***8mm - 18M	60

- DETACHABLE HANDLES -
- BLACK POWDER-COATED FINISH -
- HAND-BRAKE FITTED TO MODEL 1136 -
- DISC BRAKE SYSTEM FITTED TO MODELS 909B AND 1136B -
- DESIGNED FOR DEADLOAD PULLS - MAXIMUM GRADIENT 1 IN 5 -
- MODELS 909B AND 1136B ARE SUITABLE FOR LIFTING -
- \* 5mm 6x19 FC    \*\* 6mm 6x36 IWRC    \*\*\*8mm 6x36 IWRC

# MAXIWINCH®

## WIRE ROPE WINCHES

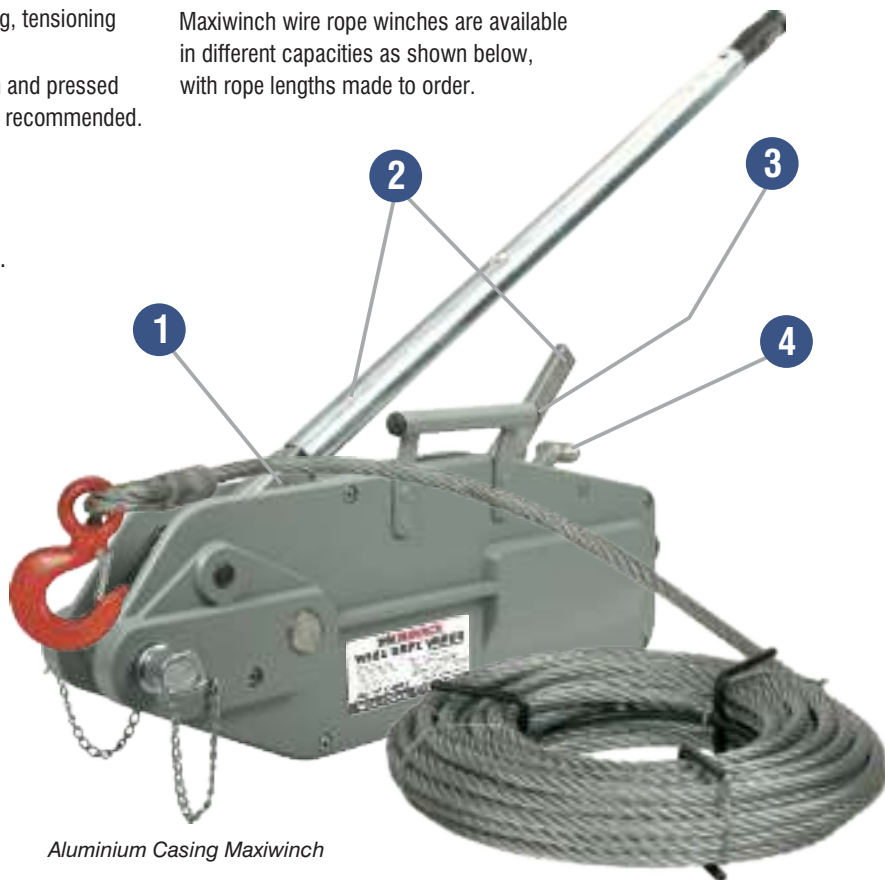
A range of wire rope pulling machines with built-in safety features and long lasting durability for industrial applications. Pull, lift, lower and position with complete safety.

Maxiwinch wire rope winches are suitable for pulling, lifting, tensioning and releasing in any direction.

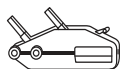
Maxiwinches are available in light and compact aluminium and pressed steel construction for applications where aluminium is not recommended.

Maxiwinch wire rope winches are available in different capacities as shown below, with rope lengths made to order.

- 1 Built-in shearing pin**  
Prevents overloading. It functions at approx. 25% overload and the pins can be replaced without removing the load.
- 2 Backward & Forward levers**  
Placed in tandem providing a slim design and assuring power transfer along the centre.
- 3 Spare shear pins**  
Two pieces of spare shear pins located in the carrying handle.
- 4 Rope clamp system**  
Easily disengaged with a lever allowing smooth installation of wire rope.

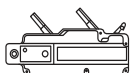


Aluminium Casing Maxiwinch



### SPECIFICATIONS & DIMENSIONS (ALUMINIUM CASING)

Model Number (ALUMINIUM CASING)	Capacity of Force (kg)	Rope Diameter (mm)	Net Weight (kg)	Overall Length (mm)	Overall Height (mm)	Overall Width (mm)
MWU08	800	8	6	426	235	64
MWU16	1600	11	11	545	280	97
MWU32	3200	16	22	660	325	116
MWU54	5400	20	59	930	480	152



### SPECIFICATIONS & DIMENSIONS (STEEL CASING)

Model Number (STEEL CASING)	Capacity of Force (kg)	Rope Diameter (mm)	Net Weight (kg)	Overall Length (mm)	Overall Height (mm)	Overall Width (mm)
MWSTU08	800	8	8	440	265	63
MWSTU16	1600	11	14.5	550	300	77
MWSTU32	3200	16	28	690	350	91

### MAXIWINCH ROPE

Wire ropes with eye or swivel hooks on one end are available in any length required.

Wire ropes with copper ferrules are available for applications where aluminium is to be avoided.

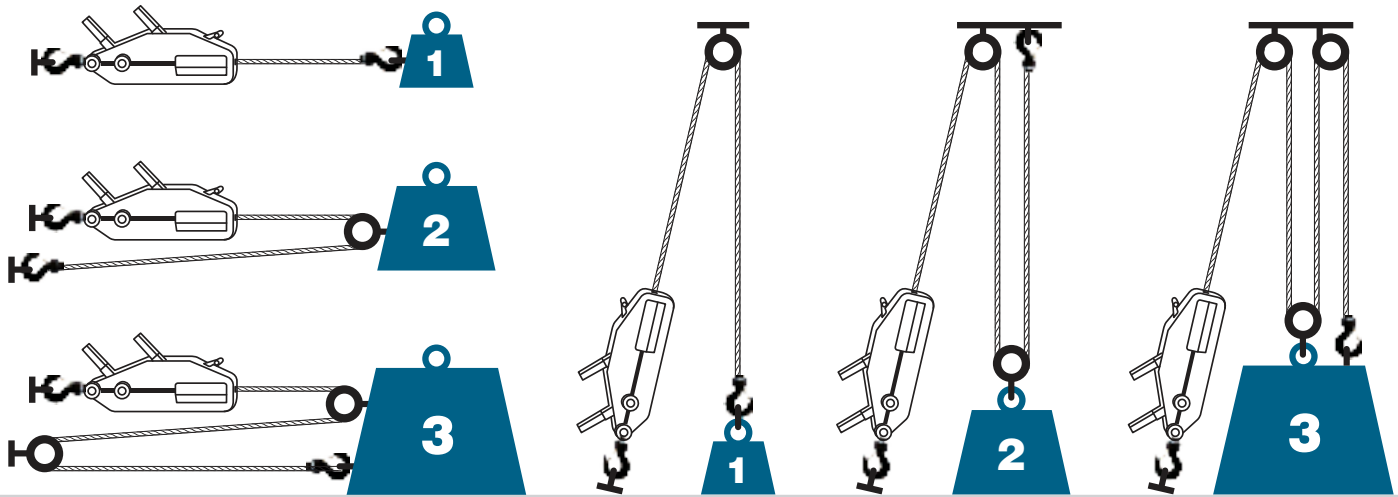


# MAXIWINCH®

## WIRE ROPE WINCHES

A range of wire rope pulling machines with built-in safety features and long lasting durability for industrial applications. Pull, lift, lower and position with complete safety.

### INCREASE THE PULLING & LIFTING CAPACITY



The pulling and lifting capacity of MAXIWINCH Wire Rope Winches can be increased greatly by use of sheave blocks in various configurations. These can increase the nominal capacity of the winch by 2, 3 or more times (see illustrations above).

Allowance must be made for friction in the sheaves. Always ensure that the capacity of the sheave blocks, anchor points and all fittings are suitable for the load.

### CHECK BEFORE EACH USE

- Inspect the MAXIWINCH for defects such as excessive wear, twisted or bent links
- Check the wire for bird caging or kinks and ensure that the free end is slightly tapered to enable easy threading through the winch
- Check hooks for distortion or damage
- Ensure that the branding label is in good condition and clearly legible
- Withdraw the winch from service if any of these defects are visible

### CAUTION!



Always follow the operating instructions as indicated on the branding label  
Always wear the correct safety gear when using wire rope winches

### LUBRICATION & CLEANING

- Lubricate all moving parts EXCEPT THE PULLING JAWS with engine oil
- Keep all visual parts clean and free from grease and oil
- Remove the wire rope after use and coil properly



Steel Casing Maxiwinch



## LIFTING & TRANSPORT POINTS

Thiele lifting points serve to create a secure lifting or lashing point to enable safe handling and lashing activities.

### The XS Screw Type Lifting Point XL TWN 1890 (EBLRTS)

can be rotated by 360° and swivelled by 180°. The extra wide bow enables easy slinging of bigger hooks. The XS-Lifting point is especially designed for the exchange of the bolts and therefore bolt length.

- Grade 100 with 4:1 Safety factor

**WARNING: DOES NOT SWIVEL UNDER LOAD!**

### The Grade 80 Weldable Lifting Point TWN 0119 (LETR)

can be used for lifting and lashing. It is capable of its full working load limit in all directions and can pivot 180°. It can be welded easily and quickly to any steel construction thanks to its pre-aligned weld joint on the weld-on bracket.

- Grade 80 with 4:1 Safety factor

Inclination Angle  $\beta$

No. of Legs

**screwed type**

**EBLRTS - TWN 1890**  
XS-Lifting Point

**XL**  
by THIELE



**weldable**

**LETR - TWN 0119**  
Lifting Point

**GK8**



		Working Load Limits in (t)										
		Marking	0.5	0.8	1.5	2.5	4	5	6	8	10	12
		Screw Size	M10*	M12*	M16	M20	M24	M27*	M30	M36*	M42*	M48*
		Thread Length**			30mm	38mm	41mm		58mm			
	0°	1			1.7	2.5	4.0		6.0			
	90°	1			1.7	2.5	4.0		6.0			
	0-45°	2			2.4	3.5	5.7		8.5			
	45-60°	2			1.7	2.5	4.0		6.0			
	0-45°	3+4			3.6	5.3	8.5		12.5			
	45-60°	3+4			2.6	3.8	6.0		9.0			

		Working Load Limits in (t)						
		1	2	3	5	8	15	32
		1.12	2	3.15	5.3	8	15	31.5
		1.12	2	3.15	5.3	8	15	31.5
		1.6	2.8	4.25	7.5	11.2	21.2	45
		1.12	2	3.15	5.3	8	15	31.5
		2.36	4.25	6.7	11.2	17	31.5	67
		1.7	3	4.75	8	11.8	22.4	47.5

\* in development

\*\* longer threads available on request



# THIELE®



Made in Germany



## LIFTING POINTS

Thiele lifting points serve to create a secure lifting or lashing point to enable safe handling and lashing activities.

### The TITAN Screw Type Lifting point XL TWN 1120 (EBLR)

has a freely movable coupling link and is capable of lifting its full working load limit in all directions. It rotates easily due to the special bush and guide plate.

- Grade 100 with 4:1 Safety factor
- 100% Magnetic crack tested
- BG approved

**WARNING: DOES NOT SWIVEL UNDER LOAD!**

### The X-TREME Screw Type Lifting Point XL TWN 1830 (EBLRTB)

is equipped with a ball bearing system. It is well suited for loads that have to be turned or flipped. It has a special wide coupling link which enables easy slinging of bigger hooks. The X-TREME Lifting point is not suitable for permanent rotations under load.

- Grade 100 with 4:1 Safety factor
- 100% Magnetic crack tested
- BG approved

**SWIVELS UNDER LOAD**



	Inclination Angle $\beta$	No. of Legs	Working Load Limits in (t)																		
			Marking	0.3	0.45	0.6	1.4	2.5	3.5	6.7	8	0.45	0.6	1.4	2.5	3.5	5.3	8	10	12.5	15
			Screw Size	M8	M10	M12	M16	M20	M24	M30	M36	M10	M12	M16	M20	M24	M30	M36	M42	M48	M56
			Thread Length	19mm	19mm	24mm	29mm	33mm	40mm	52mm	66mm	15mm	18mm	20mm	25mm	30mm	40mm	50mm	60mm	68mm	78mm
	0°	1	0.3	0.45	0.6	2.1	3	6	7.1	12.5	0.9	1.2	2.8	5.3	7	10	15	18	20	25	
	90°	1	0.3	0.45	0.6	1.4	2.5	3.5	6.7	8	0.45	0.6	1.4	2.5	3.5	5.3	8	10	12.5	15	
	0-45°	2	0.42	0.63	0.85	2	3.55	5	9	11.2	0.63	0.85	2	3.55	5	7.5	11.2	14	17.5	21.2	
	45-60°	2	0.3	0.45	0.6	1.4	2.5	3.55	6.7	8	0.45	0.6	1.4	2.5	3.55	5.3	8	10	12.5	15	
	0-45°	3+4	0.63	0.95	1.25	3	5.3	7.1	14	17	0.95	1.25	3	5.3	7.1	11.2	17	21.2	26.5	31.5	
	45-60°	3+4	0.45	0.67	0.9	2.1	3.8	5.3	10	11.8	0.67	0.9	2.1	3.8	5.3	8	11.8	15	18.8	22.4	

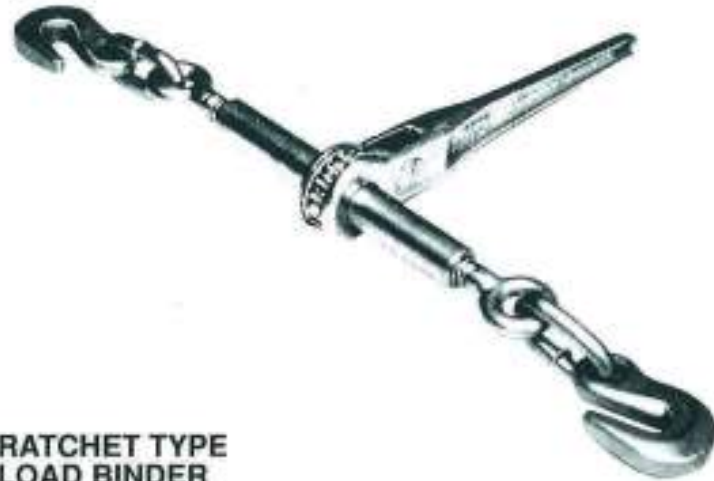


Made in Germany

# LASHING EQUIPMENT

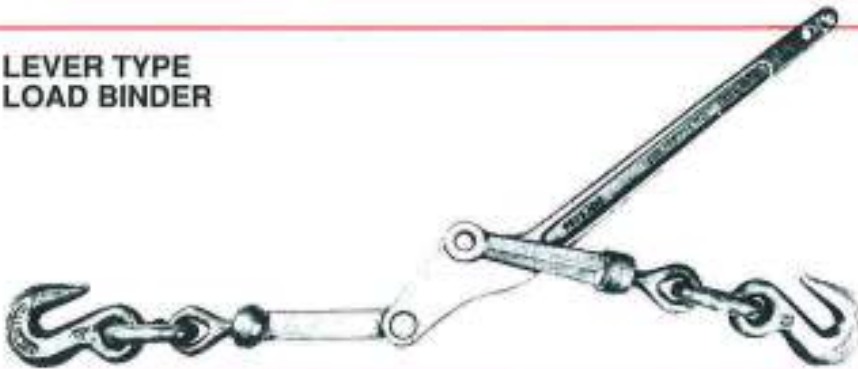


BINDER CHAIN



RATCHET TYPE  
LOAD BINDER

LEVER TYPE  
LOAD BINDER



GRAB HOOK



SLIP HOOK



TRUCK WINCH



LASHING TURNBUCKLE



WELD-ON  
TRANSPORT RING

RATCHET TENSIONER  
COMPLETE WITH STRAPPING





# CHAIN

**\* MILD STEEL  
CHAIN  
to Grade 30**  
for general purposes

**\* HIGHER TENSILE  
CHAIN  
to Grade 43**  
for load-binding  
and general purposes

**\* STAINLESS  
STEEL CHAIN  
to AISI 316**  
for rust problem  
applications  
and general purposes

For lifting purposes, use only Grade 80 chain

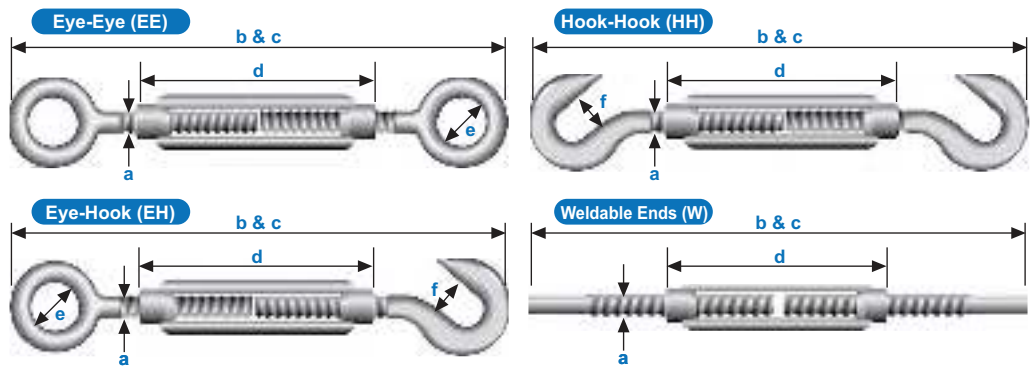


# DROP FORGED TURNBUCKLES

Generally to DIN 1480

**Available in:**

- Eye-Eye (EE)
- Hook-Hook (HH)
- Eye-Hook (EH)
- Weldable ends (W)
- Material: Drop forged mild steel
- Standard: Generally to DIN 1480
- Finish: Electro-galvanized (Weldable ends: self coloured)



**SPECIFICATIONS**

Diameter Thread a mm	Overall Closed Length				Overall Open Length				Body Length d mm	Eye Inside Diameter e mm	Hook Opening f mm	Max Tension tons
	EE b mm	HH b mm	EH b mm	W b mm	EE c mm	HH c mm	EH c mm	W c mm				
6	160	184	172	240	246	270	258	326	110	9	8.0	0.22
8	168	200	184	240	248	280	264	320	110	10	10.5	0.41
10	210	234	222	300	300	323	311	389	125	14	13.0	0.66
12	222	260	241	300	305	343	324	383	125	16	16.0	0.94
14	244	278	261	330	334	368	351	420	140	18	18.0	1.32
16	300	322	311	400	416	438	427	516	170	22	20.0	1.80
20	334	382	358	440	466	514	490	572	200	24	21.0	2.75
22	372	456	414	440	527	601	559	585	220	27	24.0	3.30
24	410	496	453	520	587	673	630	697	255	27	26.0	4.00
30	440	550	495	520	605	715	660	685	255	31	34.0	6.62
36	554	640	597	600	740	825	782	780	295	38	46.0	9.28

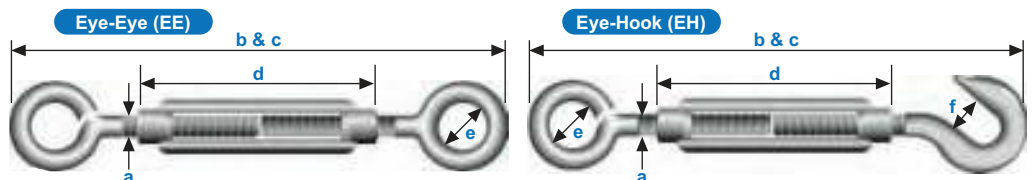
Maximum tension applies to eye and eye, others 33.3% of maximum tension.

# DIE CAST TURNBUCKLES

Commercial Quality

**Available in:**

- Eye-Eye (EE)
- Eye-Hook (EH)
- Material: Body - Zinc Die Cast Hook and Eye - C15 (Bowed)
- Finish: Electro-galvanized



**SPECIFICATIONS**

Diameter Thread a mm	Take up mm	Overall Closed Length		Overall Open Length		Body Length d mm	Eye Inside Diameter e mm	Hook Opening f mm
		EE b mm	EH b mm	EE c mm	EH c mm			
4	29	85	77	114	106	45	7	5
5	47	105	109	152	156	70	8	6

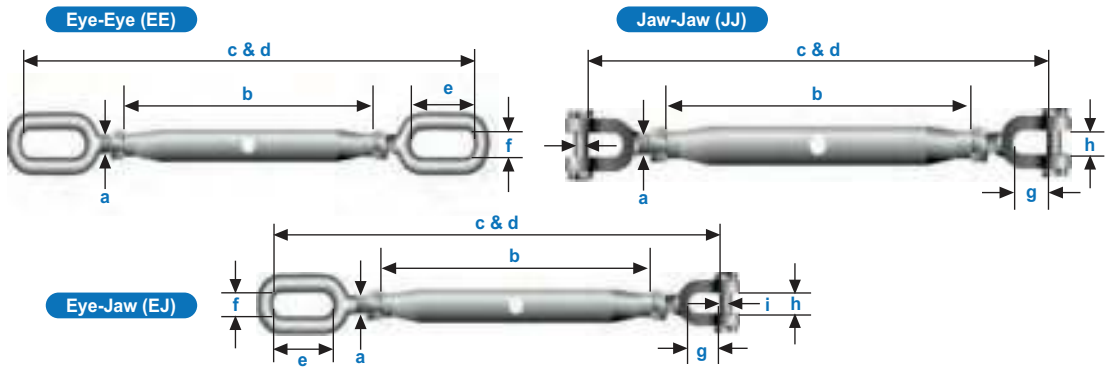
Also available: Stainless Steel Turnbuckles in 5, 6, 8, 10, 12, 16 and 20mm thread sizes.



# CLOSED BODY RIGGING SCREWS

With Drop-Forged End Fittings and Lock-Nuts

Available in:  
 Eye-Eye (EE)  
 Jaw-Jaw (JJ)  
 Eye-Jaw (EJ)  
 Material: Mild Steel  
 Safety Factor: MBL equals 5 X WLL  
 Finish: Hot dipped galvanized



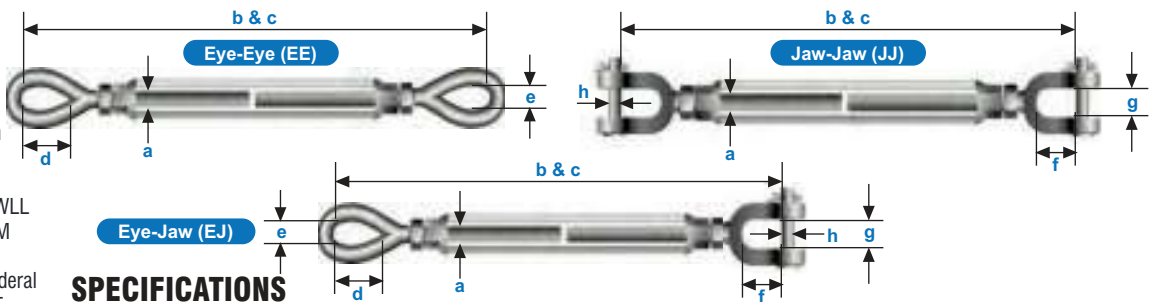
## SPECIFICATIONS

Working Load Limit Tons	Trade Size mm	Diameter Thread a mm	Body Length b mm	Closed Length			Open Length			Eye Inside Length e mm	Eye Inside Width f mm	Jaw Inside Length g mm	Jaw Inside Width h mm	Jaw Pin i mm
				EE c mm	JJ c mm	EJ c mm	EE d mm	JJ d mm	EJ d mm					
0.5	10	10	125	205	222	214	300	312	306	13	13	22	10.5	8
0.7	12	12	195	298	315	307	458	470	464	19	15	27	13	10
1.2	16	16	230	356	388	372	531	568	549	28	20	33	18	12
1.5	20	20	270	423	449	436	628	654	641	34	24	38	20	16
2.2	22	22	295	463	490	477	688	715	701	34	24	45	25	20
3.2	24	24	325	502	538	520	752	793	772	37	28	52	30	22
4.8	32	33	370	602	680	641	882	965	923	41	35	70	38	30
6.0	38	39	400	651	707	679	951	1002	976	45	40	70	45	33
8.0	45	45	400	721	761	741	879	1011	945	49	49	86	50	39
11.0	48	48	400	767	780	774	1032	1005	1018	52	52	97	58	45

# HEAVY DUTY TURNBUCKLES

Generally to ASTM F1145-92

Available in:  
 Eye-Eye (EE)  
 Jaw-Jaw (JJ)  
 Eye-Jaw (EJ)  
 Material: Drop Forged High Tensile Steel SAE 1035 or 1045  
 Safety Factor: MBL equals 5 X WLL  
 Standard: Generally to ASTM F1145-92 (formerly U.S. Federal Specification FF-T-791b)  
 Finish: Jaw Ends have Cotter Pins



## SPECIFICATIONS

Working Load Limit Tons	Trade Size mm	Diameter Thread a mm	Take Up inch	Closed Length			Open Length			Eye Inside Length d mm	Eye Inside Width e mm	Jaw Inside Length f mm	Jaw Inside Width g mm	Jaw Pin h mm
				EE b mm	JJ b mm	EJ b mm	EE c mm	JJ c mm	EJ c mm					
9.7	38	1 1/2	12	756	675	716	1023	941	982	105	54	71	52	35
12.7	45	1 3/4	18	1019	933	980	1396	1310	1356	119	60	86	59	42
16.8	51	2	24	1264	1153	1208	1783	1672	1728	147	69	93	63	51
27.2	64	2 1/2	24	1429	1254	1341	1965	1830	1866	165	80	114	75	57

Also available: Long Body Turnbuckles to ASTM F1145-92 (formerly U.S. Federal Specification FF-T-791b) with 1/4, 5/16, 3/8, 1/2, 5/8, 3/4 and 1 inch threads.  
 Stainless Steel Closed Body Rigging Screws in 6, 8, 10, 12 and 16mm thread sizes.

# DROP-FORGED EYEBOLTS

to British Standard Specifications  
(Ungalvanised)



WITH METRIC THREADS TO BSS 4278 TABLE 1

Thread diameter mm	Safe working load at 0° kg	Inside eye diameter mm	Eye material diameter mm	Shank length mm	Thread length mm	Approx weight kg
6	100	15	9	21	17	0,07
8	150	14	9	18	13	0,08
10	330	15	9	19	15	0,08
12	400	15	9	19	15	0,12
14	500	20	12	22	17	0,15
16	800	20	12	22	17	0,16
18	1000	24	15	29	24	0,28
20	1600	27	16	31	24	0,45
22	1600	28	16	32	24	0,54
24	2500	35	21	40	34	0,84
27	2500	37	22	44	37	1,25
30	4000	43	26	50	40	1,71
33	4000	44	28	52	44	2,88
36	6300	54	32	65	57	3,17
39	6300	55	34	70	60	5,04
42	8000	60	36	75	64	6,24
45	8000	65	40	80	68	7,16
48	10000	65	40	80	68	7,60
52	12500	73	48	88	75	10,18
56	16000	82	51	108	93	15,22
64	20000	90	57	115	100	19,50
72	25000	113	68	137	110	30
76	25000	115	68	137	110	30

WITH BSW THREADS TO BSS 529 PART 1

Thread diameter ins	Safe working load at 0° kg	Inside eye diameter mm	Eye material diameter mm	Shank length mm	Thread length mm	Approx weight kg
3/8	250	14	9	17	14	0,06
1/2	500	19	11	25	20	0,07
5/8	900	24	14	30	23	0,14
3/4	1400	28	17	34	27	0,28
7/8	2000	33	20	41	31	0,60
1	2750	38	22	44	36	1,10
1-1/8	3500	44	26	53	46	1,60
1-1/4	4500	47	30	59	49	2,10
1-1/2	6500	54	34	70	59	3,60
1-3/4	9000	66	39	82	68	5,60
2	12000	72	47	93	78	9,10
2-1/4	15000	82	54	100	88	15,00
2-1/2	20000	92	58	112	98	17,70

BRITISH STANDARD EYEBOLTS MAY BE USED TO LIFT INCLINED LOADS. THE SAFE WORKING LOAD PER EYEBOLT WILL BE REDUCED BY APPROXIMATELY 65% FOR ANGLES OF 30° AND APPROXIMATELY 75% FOR ANGLES OF 45°.

# DROP-FORGED EYEBOLTS to DIN 580 (Galvanised)



Thread diameter mm	Safe working load at 0° kg	Inside eye diameter mm	Eye material diameter mm	Shank length mm	Thread length mm	Approx weight kg
6	70	15	6	11	9	0,05
8	140	19	8	12	9	0,06
10	230	24	10	16	13	0,11
12	340	29	11	20	17	0,18
14	500	34	14	26	22	0,28
16	700	34	14	27	22	0,32
18	850	40	16	29	25	0,45
20	1200	39	16	30	25	0,45
22	1500	44	19	32	28	0,67
24	1800	49	20	36	30	0,87
30	3200	59	25	46	38	1,66
33	4300	59	25	46	38	2,16
36	4600	70	27	60	51	2,65
42	7000	80	31	65	58	4,03
45	8000	89	38	67	57	6,00
48	8600	90	40	70	60	6,38
56	11500	109	47	83	70	8,80
64	16000	109	47	90	75	12,40
72	21000	138	62	100	86	20,80

# DROP-FORGED EYENUTS to DIN 582 (Galvanised)



Thread diameter mm	Safe working load at 0° kg	Inside eye diameter mm	Eye material diameter mm	Base diameter mm	Thread length mm	Approx weight kg
6	70	19	8	20	10	0,05
8	140	19	8	20	10	0,06
10	230	24	10	25	12	0,09
12	340	29	11	29	13	0,16
14	490	34	14	34	14	0,24
16	700	34	14	34	16	0,24
18	850	39	18	41	20	0,30
20	1200	39	16	40	19	0,36
22	1500	44	18	45	19	0,58
24	1800	49	20	51	23	0,87
30	3200	59	25	67	27	1,40
33	4300	59	26	67	27	1,40
36	5100	70	30	75	32	2,65
42	6300	80	30	86	39	3,20
45	8000	89	38	98	39	5,00
48	8600	90	38	96	51	5,00
56	11500	109	46	112	58	7,40
64	16000	109	46	112	58	10,50
72	21000	138	63	153	64	19,00



STAINLESS STEEL EYEBOLTS AND EYENUTS  
AVAILABLE IN  
6, 8, 10, 12, 14, 16, 20, 22 AND 24mm THREAD SIZES





# SHACKLES

Green Pin from Van Beest is a premium European manufactured shackle respected worldwide and has become synonymous with exceptional quality, safety and professional reliability.

## Green Pin® Standard Shackles

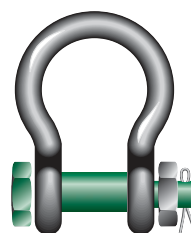
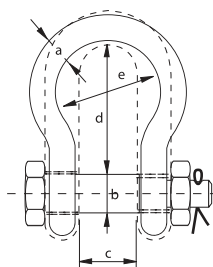
- **Material** : Bow and pin high tensile steel, Grade 6, quenched and tempered
- **Safety Factor** : MBL equals 6 x WLL
- **Standard** : EN 13889 and meets performance requirements of US Fed. Spec. RR-C-271  
DNV type approved to certification note 2.7-1
- **Finish** : Hot dipped galvanized
- **Temperature Range** : -20°C up to +200°C
- **Certification** : At no extra charges this product can be supplied with a works certificate, material certificate, manufacturer test certificate and/or EC Declaration of Conformity



G-4161



G-4151



G-4163



G-4153

working load limit	diameter bow	diameter pin	width inside	length inside		width bow	weight each	
				dee type	bow type		screw pin	safety bolt
tons	a mm	b mm	c mm	d mm	d mm	e mm	kg	kg
0.33	5	6	9.5	19	22	16	0.02	--
0.5	7	8	12	22	29	20	0.05	0.06
0.75	9	10	13.5	26	32	22	0.10	0.11
1	10	11	17	32	36.5	26	0.14	0.16
1.5	11	13	19	37	43	29	0.19	0.22
2	13.5	16	22	43	51	32	0.36	0.42
3.25	16	19	27	51	64	43	0.63	0.74
4.75	19	22	31	59	76	51	1.01	1.18
6.5	22	25	36	73	83	58	1.50	1.77
8.5	25	28	43	85	95	68	2.21	2.58
9.5	28	32	47	90	108	75	3.16	3.66
12	32	35	51	94	115	83	4.31	4.91
13.5	35	38	57	115	133	92	5.55	6.54
17	38	42	60	127	146	99	7.43	8.19
25	45	50	74	149	178	126	12.84	14.22
35	50	57	83	171	197	138	18.15	19.85
42.5	57	65	95	190	222	160	26.29	28.33
55	65	70	105	203	260	180	37.6	39.59
85	75	83	127	229	329	190	--	62



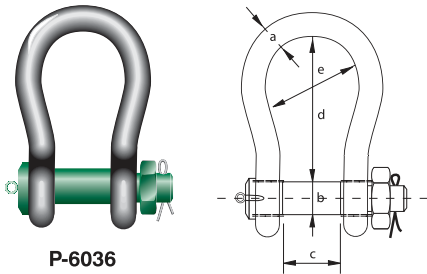


# SHACKLES & WIRE ROPE CLIPS

Green Pin from Van Beest is a premium European manufactured shackle respected worldwide and has become synonymous with exceptional quality, safety and professional reliability.

## Green Pin® Heavy Duty Shackles

- Material** : Bow and pin alloy steel, Grade 8, quenched and tempered
- Safety Factor** : MBL equals 5 x WLL
- Finish** : Shackle bow painted silver, pin painted green (120 tons shackle is hot dipped galvanized)
- Certification** : At no extra charges this product can be supplied with a works certificate, material certificate, manufacturer test certificate, EC Declaration of Conformity and all shackles starting from 150 tons are supplied with a Lloyd's Register of Shipping Certificate on proof load
- Note** : + 5% forging tolerance on inside width and length

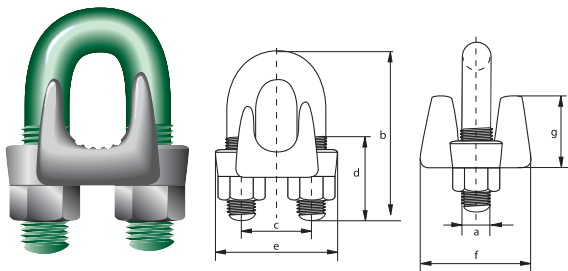


P-6036

working load limit	diameter bow	diameter pin	width inside	length inside	width bow	weight each
tons	a mm	b mm	c mm	d mm	e mm	kg
120	95	95	147	400	238	110
150	105	108	169	410	275	160
200	120	130	179	513	290	235
250	130	140	205	554	305	285
300	140	150	205	618	305	340
400	170	175	231	668	325	560
500	180	185	256	718	350	685
600	200	205	282	718	375	880
700	210	215	308	718	400	980
800	210	220	308	718	400	1100
900	220	230	328	718	420	1280
1000	240	240	349	718	420	1460
1250	260	270	369	768	450	1990
1500	280	290	369	818	450	2400

## Green Pin® wire rope clips generally to EN 13411-5 Type B

- Material** : Bridge : Drop forged high tensile steel SAE 1045  
U-bolt : SAE 1015
- Standard** : EN 13411-5 Type B  
Formerly U.S. Federal Specification FF-C-450D
- Finish** : Hot dipped galvanized nuts for diameter bow 5 and 6 mm are electro-galvanized
- Certification** : A works certificate can be supplied upon request



G-6240

diameter wire rope	diameter bow	length inside	width inside	length thread	length base	thickness base	height base	weight per 100 pcs	
inch	mm	a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
1/8	4	5	24	12	11	24	21	10	2
3/16	5	6	31	15	13	29	24	13	4
1/4	7	8	34	19	13	37	30	18	8
5/16	8	10	45	22	19	43	33	19	14
3/8	10	11	49	26	19	49	42	25	19
7/16	11	12	60	30	25	58	46	26	31
1/2	13	13	61	30	25	58	48	31	34
9/16	15	14	72	33	32	63	52	31	36
5/8	16	14	74	33	32	64	54	36	45
3/4	20	16	86	38	37	72	57	38	68
7/8	22	19	98	45	41	80	62	40	108
1	26	19	108	48	46	88	67	47	113
1 1/8	30	19	117	51	51	91	73	48	140
1 1/4	34	22	130	59	54	105	79	56	207
1 3/8	36	22	140	60	59	108	79	58	234
1 1/2	40	22	147	66	60	112	85	64	266
1 5/8	42	25	161	70	67	121	92	67	329
1 3/4	46	29	174	78	70	134	97	76	441
2	52	32	195	86	78	150	113	85	603
2 1/4	58	32	213	98	81	162	116	100	707
2 1/2	65	32	227	105	87	168	119	113	806
2 3/4	72	32	243	112	91	174	127	124	1000
3	78	38	271	121	98	194	135	136	1440



# ALLOY PIN DEE AND BOW SHACKLES

to U.S. Federal Specification RR-C-271b



DEE AND BOW WITH SCREW PIN

DEE AND BOW WITH BOLT, NUT, SPLIT PIN

Dee & Bow SWL short tons*	Dee & Bow body dia mm	Dee & Bow pin dia mm	Dee & Bow inside width at pin mm	Bow only inside width at bow mm	Dee only inside length mm	Bow only inside length mm	Dee only approx. weight kg	Bow only approx. weight kg
0.5	6	8	12	19	23	27	0,05	0,05
0,75	8	10	13	21	20	31	0,08	0,10
1	10	11	17	26	33	37	0,11	0,14
1,5	11	13	18	29	37	44	0,18	0,19
2	13	16	20	33	46	48	0,27	0,29
3,25	16	20	27	43	52	61	0,55	0,63
4,75	20	22	30	51	61	71	1,02	1,06
6,5	22	25	36	58	76	84	1,43	1,53
8,5	25	28	44	67	83	95	2,16	2,42
9,5	28	32	47	73	91	107	3,06	3,09
12	32	35	52	81	101	119	4,11	4,31
13,5	35	38	56	91	118	134	5,28	6,02
17	38	42	61	98	125	144	7,24	8,04
25	44	51	74	126	150	180	12	14
35	51	56	85	143	170	197	19	21
55	64	70	105	184	203	267	33	39
85	76	85	128	215	215	315	56	70
120	89	95	133	230	240	365	98	120
150	102	108	141	250	-	375	-	140

\* One short ton = 0,907 metric tons

# LARGE DEE SHACKLES

to British Standard Specification 3032

SWL Metric tons	Body diameter mm	Pin diameter mm	Inside width mm	Inside length mm	Approx. weight kg
0,5	10	12	19	38	0,17
0,75	13	16	25	46	0,35
1,5	16	19	32	68	0,66
2	19	22	38	73	1,02
3	22	24	44	80	1,57
3,75	25	28	50	94	2,3
5	28	32	55	101	3,2
6	32	36	61	112	4,3
7	35	38	67	127	5,4
9,5	38	44	70	137	6,8
13	44	51	83	156	11,0
16,25	51	57	98	187	20,0
20	57	64	110	210	26,8

LARGE DEE SHACKLES ARE ALSO AVAILABLE UNGALVANISED

# CARBON STEEL HOOKS



EYE TYPE



SWIVEL TYPE



SHANK TYPE

SWL metric tons	Throat opening (all) mm	Inside dia of eye mm	Overall length of eye hook mm	Inside length of swivel mm	Inside width of swivel mm	Overall length of swivel hook mm	Dia of shank mm	Length of shank mm	Overall length of shank hook mm
0,75	20	19	109	23	30	140	15	50	128
1	22	22	128	32	37	167	16	56	140
1,5	25	28	142	39	43	189	18	64	157
2	26	31	163	39	43	207	22	67	176
3	32	39	200	45	50	245	29	81	210
5	37	50	260	59	62	320	36	94	260
7,5	47	61	320	67	78	385	43	108	315
10	47	61	320	67	78	385	43	108	315
15	54	71	360	-	-	-	-	-	-



SLIDING CHOKER HOOKS



CARABINE HOOKS  
(electro-galvanised and stainless steel)

# SOCKETS • THIMBLES • FERRULES



OPEN  
SPELTER  
SOCKETS  
TO BSS 463



CLOSED  
SPELTER  
SOCKETS  
TO BSS 463



WEDGE  
SOCKETS



SELF-COLOUR  
SOLID THIMBLES  
TO BSS 464



GALVANISED  
HEAVY DUTY  
THIMBLES  
TO BSS 464



GALVANISED  
REEVING THIMBLES  
TO BSS 464



GALVANISED  
AND STAINLESS  
STEEL THIMBLES  
TO G-411

ALUMINIUM  
FERRULES  
TO DIN 3093



STEEL  
FERRULES



COPPER  
FERRULES



# ROPE CLAMPS • SHACKLES



GALVANISED  
DROP-FORGED  
ROPE CLAMPS  
TO FFC-450



GALVANISED  
MALLEABLE CAST  
ROPE CLAMPS  
(BULLDOG TYPE)  
TO FFC-450



GALVANISED AND  
STAINLESS STEEL  
MALLEABLE CAST  
ROPE CLAMPS  
(COMMERCIAL TYPE)  
TO DIN741



GALVANISED, STAINLESS STEEL  
AND EXTRA LONG STAINLESS STEEL  
COMMERCIAL DEE SHACKLES



GALVANISED AND STAINLESS STEEL  
COMMERCIAL BOW SHACKLES

**COMMERCIAL SHACKLES ARE NOT SUITABLE  
FOR LIFTING APPLICATIONS**

# WIRE GRIPS

0.5t MINI-GRIP  
• 1 to 9,5mm



1t SD GRIP WITH SAFETY LATCH  
• 2,6 to 15mm (SMALL AND LARGE EYE)

2,3t GRIP  
• 3,2 to 12,7mm  
(LARGE EYE)



2t GRIP WITH SAFETY LATCH  
• 4 to 22mm (LARGE EYE)

ALSO AVAILABLE FOR BARE ALUMINIUM CONDUCTOR  
4 to 22mm (LARGE EYE)

3t GRIP WITH SAFETY LATCH  
• 8 to 22mm  
(LARGE EYE)  
• 16 to 32mm  
(LARGE EYE)



ALSO AVAILABLE FOR BARE ALUMINIUM CONDUCTOR 16 to 32mm (LARGE EYE)



4t GRIP WITH SAFETY LATCH  
• 13 to 28mm (SMALL EYE)  
• 20 to 35mm (LARGE EYE)

ALSO AVAILABLE FOR BARE ALUMINIUM CONDUCTOR 18 to 35mm (LARGE EYE)

## ROPE CUTTERS



MODEL WR-10 CUTS UP TO 10mm ROPE  
MODEL WR-16 CUTS UP TO 16mm ROPE



MODEL RC-8 CUTS UP TO 5mm ROPE



SPARE BLADE KITS

## ROPE SWAGERS



MODEL HSC-350 SWAGES 2mm TO 3,5mm ROPE  
MODEL HSC-600 SWAGES 2mm TO 5mm ROPE



MODEL HSC-600BB SWAGES 2mm TO 5mm ROPE  
SUITABLE FOR LARGER VOLUMES

## LEVER PULLERS



AVAILABLE IN 2 TON AND 4 TON CAPACITIES  
NOT TO BE USED FOR LIFTING

# FORGED SWIVELS



EYE AND EYE



EYE AND JAW

Size (eye material) mm	Eye outside width mm	Eye inside width mm	Eye inside lengths mm	Eye-eye overall inside length mm	Jaw pin diameter mm	Jaw inside width mm	Jaw inside length mm	Eye-jaw overall inside length mm	Safe working load kg	Approx. weight kg
8	40	23	20/29	89	8	13	22	73	570	0,18
10	51	31	24/35	108	10	17	28	92	1020	0,32
12	62	35	32/46	137	12	21	34	115	1600	0,65
16	75	42	39/55	168	16	24	38	135	2400	1,12
20	88	49	43/64	185	20	30	45	154	3300	1,80
22	102	56	51/70	205	22	30	56	180	4500	2,80
24	113	60	55/82	240	28	45	72	220	5700	4,06
32	141	78	55/91	282	35	52	74	245	8000	7,44
38	183	101	115/155	445	50	76	114	380	20 000	24,89

— THESE SWIVELS ARE USED FOR POSITIONING ONLY —  
 — FOR ROTATION UNDER LOAD, THRUST BEARING SWIVELS SHOULD BE USED —

# THRUST BEARING SWIVELS



EYE AND EYE



EYE AND JAW



HOOK AND EYE

Type	Safe working load kg	Total length mm	Outside body dia mm	Eye dia mm	Pin dia mm	Jaw Opening mm
E-E	3 000	270	77	20	-	-
H-E	3 000	325	77	20	-	-
E-J	3 000	280	77	20	20	22
E-E	5 000	275	95	32	-	-
H-E	5 000	380	95	32	-	-
E-J	5 000	300	95	32	23	27
E-E	7 500	315	100	35	-	-
H-E	7 500	440	100	35	-	-
E-J	7 500	335	100	35	30	36
E-E	10 000	385	122	40	-	-
H-E	10 000	525	122	40	-	-
E-J	10 000	405	122	40	35	47

— FITTED WITH GREASE NIPPLES FOR LUBRICATION  
TO ENSURE LONG LIFE AND EASE OF OPERATION —  
— THESE SWIVELS ARE USED FOR ROTATION UNDER LOAD —

# WIRE ROPE BLOCKS

## WIRE ROPE SNATCH BLOCKS



## WIRE ROPE REEVING BLOCKS



SWL (kg)	Sheave dia (mm)	Rope dia (mm)
500	100	10 - 13
1 000	125	10 - 13
2 000	150	10 - 13
3 000	200	13 - 16
5 000	250	16 - 20
7 500	300	16 - 20
10 000	350	20 - 22

- SNATCH BLOCKS AVAILABLE UP TO 40 TON CAPACITY FOR USE WITH 38mm DIAMETER STEEL WIRE ROPE —
- REEVING BLOCKS AVAILABLE IN EXCESS OF 100 TON CAPACITY —
- GREASE NIPPLES FOR POSITIVE LUBRICATION —
- AVAILABLE WITH FORGED STEEL HOOK, SWIVEL OVAL EYE, SWIVEL SAFETY SHACKLE, OR LINK AND SHACKLE —

# MANILA ROPE BLOCKS

## GIN BLOCKS



## PULLEY BLOCKS



## RUNNING OUT BLOCKS



- MANILA PULLEY BLOCKS AVAILABLE IN SINGLE, DOUBLE AND TREBLE SHEAVES FOR USE WITH 10mm TO 24mm DIAMETER NATURAL AND SYNTHETIC FIBRE ROPES —
- GIN BLOCKS AVAILABLE IN 200 kg, 300 kg AND 400 kg CAPACITIES —
- 1000 kg RUNNING OUT BLOCKS WITH NYLON SHEAVE WHEEL —

# WIRE ROPE SHEAVE WHEELS



- 65mm TO 800mm DIAMETERS —
- FULLY MACHINED STEEL OR CAST IRON —
- PHOSPHOR BRONZE BUSHES —
- ROLLER OR BALL BEARINGS AVAILABLE —

# HAND CHAIN WHEELS



Wheel dia (mm)	Bore dia (mm)	Chain size (mm)
150	40	5
200	55	6
250	70	6
300	70	6
400	75	6
530	85	6

Fencing and Trellising  
made easy



**The best way to install, repair and maintain  
your fence & trellis just got even better...**

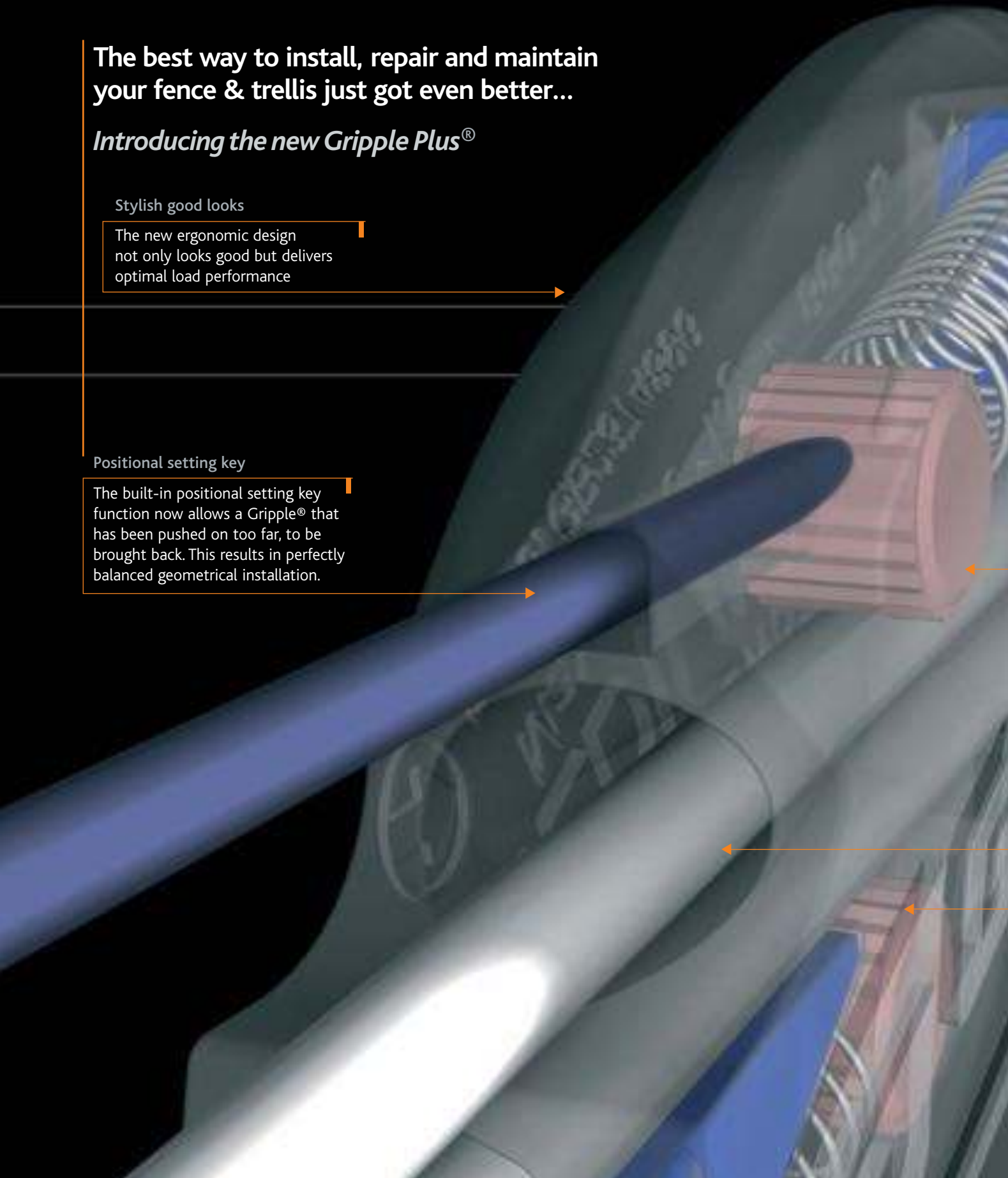
***Introducing the new Gripple Plus®***

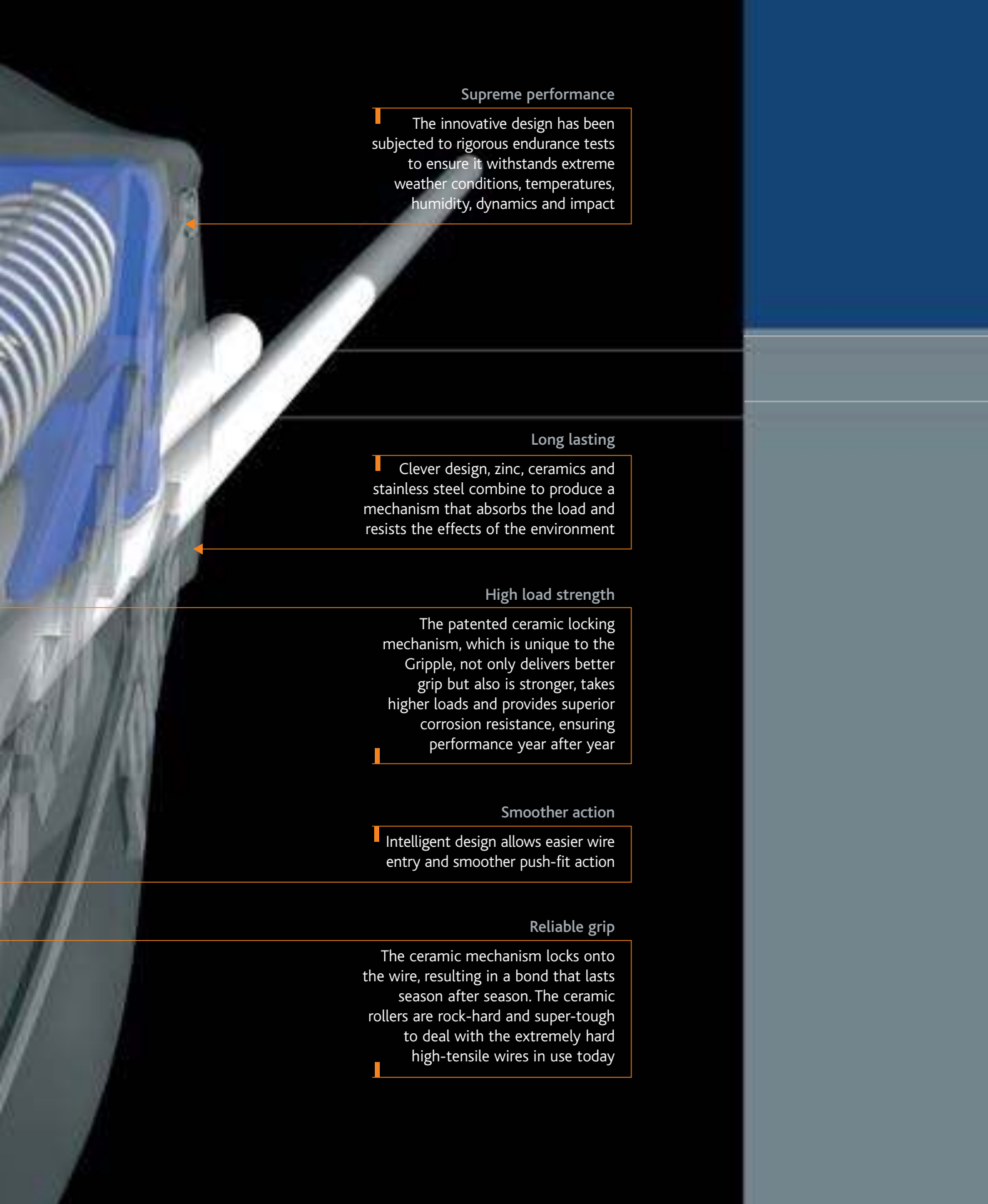
**Stylish good looks**

The new ergonomic design  
not only looks good but delivers  
optimal load performance

**Positional setting key**

The built-in positional setting key  
function now allows a Gripple® that  
has been pushed on too far, to be  
brought back. This results in perfectly  
balanced geometrical installation.





### Supreme performance

The innovative design has been subjected to rigorous endurance tests to ensure it withstands extreme weather conditions, temperatures, humidity, dynamics and impact

### Long lasting

Clever design, zinc, ceramics and stainless steel combine to produce a mechanism that absorbs the load and resists the effects of the environment

### High load strength

The patented ceramic locking mechanism, which is unique to the Gripple, not only delivers better grip but also is stronger, takes higher loads and provides superior corrosion resistance, ensuring performance year after year

### Smoother action

Intelligent design allows easier wire entry and smoother push-fit action

### Reliable grip

The ceramic mechanism locks onto the wire, resulting in a bond that lasts season after season. The ceramic rollers are rock-hard and super-tough to deal with the extremely hard high-tensile wires in use today

The new Gripple Plus offers even more benefits than the original Gripple. It has all the speed and convenience that Gripple has long been associated with, but now offers even better grip, strength and versatility.



### Gripple Plus in Trellising

When, back in the 1980s, Gripple pioneered the use of a unique system to join and tension wire in one, it was embraced by the viticulture industry.

From Tuscany to the Barossa Valley, Gripples are used throughout the vineyards of the world. Following on from its success in vineyards, it has now been adopted for trellising, anchoring and protection systems in fruit orchards.

The heritage, expertise and experience of the market have been the foundation for the design of the Gripple Plus. The advanced range offers all the benefits of the original Gripple and more.

The push-fit is even easier, the corrosion resistance is higher and the load rating greater. Simple to fit, the Gripple Plus reduces the amount of labour needed and also ensures that the wire remains strong and taut. Re-tensioning is easier too, providing better support for growing crops.



### Gripple Plus in Fencing

The versatility of the new Gripple Plus is even more evident in fencing as it can be used on field and livestock fencing, barbed wire and plain wire too.

With an improved smoother wire entry, Gripple Plus is quick and easy to use. Installation is easier and faster giving you more time to tackle other jobs.

The new patented ceramic gripping mechanism delivers a better grip on today's hard, high tensile wire and provides added strength and security. In addition, it performs better where fertilisers and sprays are used.



## Why Gripple?

Gripple Limited has grown rapidly since it launched its original product in 1988. It has sold more than 230 million products to 75 countries worldwide and now has premises in the UK, Europe and the USA.

It is an award-winning company that continues to grow on the strength of its focus on innovation. The commitment to developing new products by its 'Ideas & Innovation' team has made Gripple a market leader.

Achieving high standards is paramount to Gripple, and with the entire range produced at its own manufacturing plant, quality control is guaranteed. This, combined with its strong global sales network and the assurance of millions of customers worldwide, means Gripple is well placed to meet your needs.

While its fencing and trellising products lead the agricultural and viticultural sectors, its pioneering invention of the Gripple Hanger system has also changed the face of the construction industry.

The unique Gripple Hanger has revolutionised installation techniques. It is used to suspend static loads and means that mechanical and electrical services (M&E), heating, ventilation and air-conditioning services (HVAC), can all be installed both quickly and easily.


With its solution driven products, supported by its product knowledge and customer service, Gripple is well placed to continue leading the way in the agricultural, viticultural and construction markets.



## Range details

The new Gripple Plus range has been meticulously engineered to meet market demands. The range has been rationalised to align with today's wire diameters and higher load requirements.

The Gripple Plus products, along with the Gripple Tensioning Tool, are all you need to join and tension wire. For more details go to [grippleplus.com](http://grippleplus.com).



## Product Range

Product	Wire – mm	Wire – SWG	Max. Load
Small	1.40-2.20	17-13	300kg / 660lb
Medium	2.00-3.25	14-10	400kg / 880lb
Large	3.25-4.20	10-7 <sup>1</sup> / <sub>2</sub>	600kg / 1320lb

### For further details contact:

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Sheffield S4 7UQ  
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Fax: +44 (0)114 275 1155  
Email: [info@gripple.com](mailto:info@gripple.com)

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Illinois 60510  
USA

Tel: + 1 630 406 0600  
Fax: + 1 630 406 0664

[www.grippleplus.com](http://www.grippleplus.com)

Gripple® and Gripple Plus® are registered designs and trademarks of Gripple Limited.  
World patented. Made in Sheffield, UK.  
BROC-GP-ENG-USA

**G GRIPPLE®**  
**plus**











# Vineyard Trellising Solutions

Complete trellising and anchoring solutions



- Tension
- Repair
- Anchor
- Brace

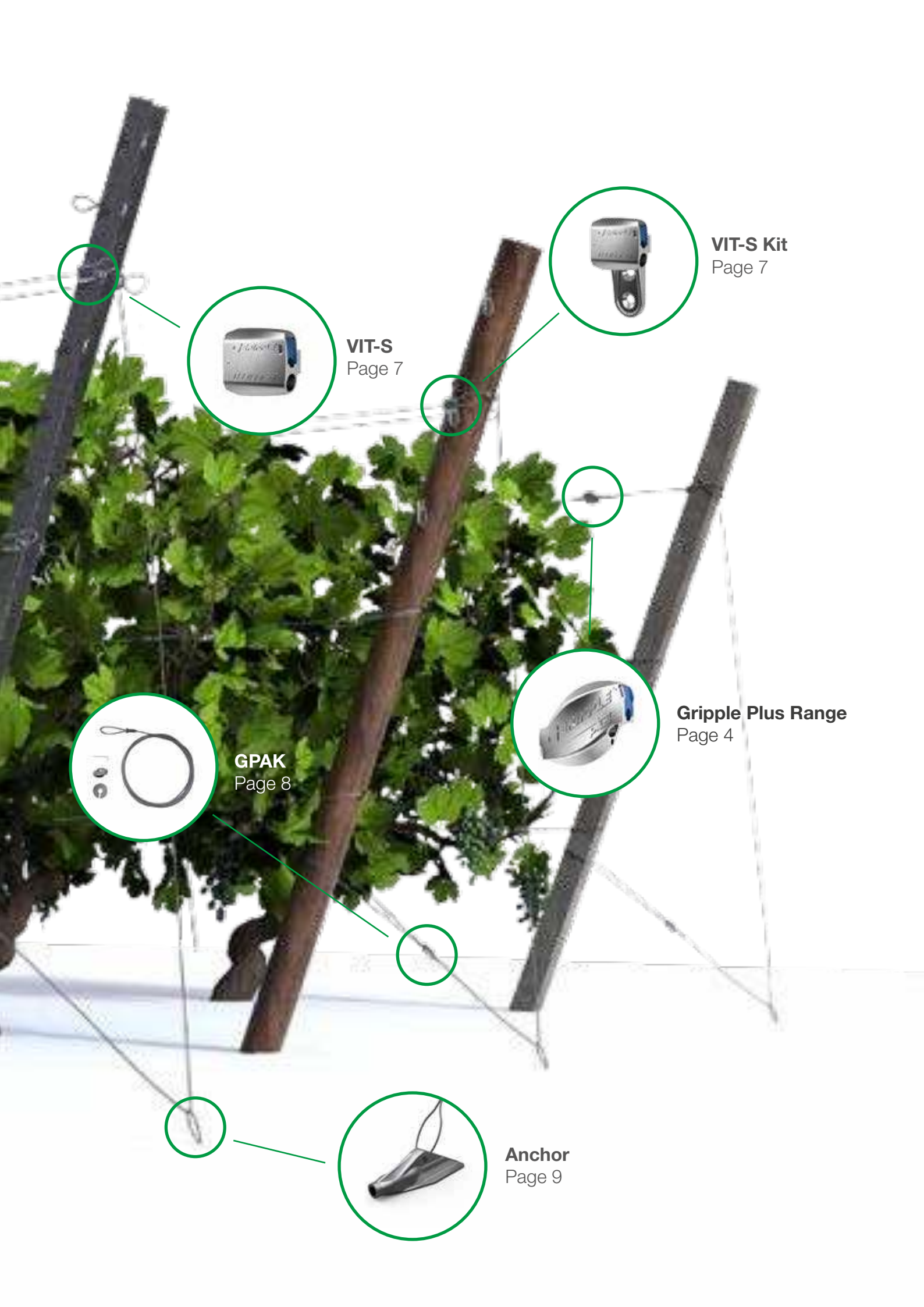
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**GP No.1 & No.2**  
Page 5



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**VIT-S Kit**  
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**Gripple Plus Range**  
Page 4



**GPAK**  
Page 8



**Anchor**  
Page 9

# Gripple Plus Range

The Gripple Plus range of wire joiners and tensioners is suitable for all trellis applications.

- Join and tension in one
- Eliminates tying and knotting wires, reducing installation time
- Ideal for use on high tensile and mild steel trellis wire
- Designed for high load holding and corrosion resistance
- Easily re-tensioned year-after-year



Gripple Plus Range of wire joiner and tensioners.



Top. Wire repair using Gripple Plus Medium. Bottom. Standard join.

Product	Wire Range	Standard Wire Gauge	Maximum Working Load
Gripple Plus Small	1.40 mm - 2.20 mm	17 SWG - 14 SWG	300 kg
Gripple Plus Medium	2.00 mm - 3.25 mm	14 SWG - 10 SWG	400 kg
Gripple Plus Large	3.20 mm - 4.20 mm	10 SWG - 7½ SWG	600 kg
Gripple Plus Jumbo	2.50 mm - 3.15 mm	12½ SWG - 10 SWG	600 kg

# GP No. 1 & No. 2

The Gripple GP No. 1 and No. 2 are designed with a flat leading edge to create a stable end stop for trellises which use metal end posts

- Terminate and tension in one
- Ideal for use on steel wire and nylon monofilament
- High grade ceramic roller for corrosion resistance
- Spare integral channel allows safe tail wire return
- Tensioned using a Torq Tool and Adaptor in recessed applications



*GP No.1 Installed on a metal post.*



*Adaptor - For use when the tensioner is installed on the inside of the post.*

Product	Wire Range	Standard Wire Gauge	Maximum Working Load
GP No. 1	1.80 mm - 3.00 mm	15 SWG - 11 SWG	400 kg
GP No. 2	3.00 mm - 4.20 mm	10½ SWG - 7½ SWG	600 kg



# VIT-S

The Grippler VIT-S is the quick and easy way to manage your fruiting wires. VIT-S works directly with metal and wooden end posts, replacing difficult and unreliable chains.

- Replaces cumbersome chains
- Manage the fruiting wires on both metal and wooden end post trellising systems
- Allows wires to be moved independently during the growing season
- Wires easily dropped to the ground for pruning
- Tension is easily applied by hand



VIT-S Kit - Installed on wooden post.



VIT-S - Installed on metal post



VIT-S Kit - Screwed into metal post

Product	Post Type	Wire Range	Standard Wire Gauge	Maximum Working Load
VIT-S	Metal	1.40 mm - 2.60 mm	17 SWG - 12½ SWG	400 kg
VIT-S Kit	Wooden & Metal			

VIT-S can be installed directly onto metal end posts or on wooden & metal posts when bought as a kit with the bespoke VIT-S Hook.

The Gripple Plus Anchor Kit (GPAK) is supplied as a ready-to-use kit comprising a pre-cut, fused length of wire rope and a Gripple tensioner.

- Suitable for wooden or metal post bracing
- Dual brace points for even load transfer
- Easily re-tensioned year-after-year
- Manufactured with zinc aluminium wire rope for corrosion resistance
- Consistent, professional finish



*GPAK - Installed in a loop format with choke knot on a wooden post.*



*GPAK - Installed on a metal post.*

Product	Wire Diameter	Wire length	Maximum Working Load
GPAK 3	3.00 mm	2.5 m	400 kg
	3.00 mm	3.5 m	400 kg
	3.00 mm	4.5 m	400 kg
GPAK 4	4.00 mm	5.0 m	600 kg

# Anchor

The Grippler Anchor creates a secure, fixed anchoring point below the ground. No pre-digging or ground preparation is required, dramatically reducing installation time.

- Designed for drive efficiency and maximum load capacity
- Suitable for a variety of soil types
- Quick to install
- Drive tool eliminates damage to ground anchor
- Time and labour savings



*Anchor 3 being driven into the ground.*



*Anchor 3 - Activated and installed.*

Product	Wire Rope Diameter	Maximum Working Load
Anchor 3	3.00 mm	1.0 m
		1.5 m
Anchor 4	4.00 mm	1.0 m
		1.5 m

Load is dependent on the soil quality.

For tips and instructions on how to install, refer to the technical section on pages 14 & 15.

# Anchoring Tools & Accessories

## Gripple Petrol Driver



The Gripple Petrol Driver provides quick installation of trellis posts and Gripple's range of anchors. Weighing only 15 kg, it is lightweight and portable.

## Diager Drive Tool



The Diager Drive Tool is designed specifically to work with Gripple's range of anchors. The carbide tip makes the tool strong, robust and resistant to wear. The tools are available in 1.3 m and 1.8 m lengths dependent on the depth of the ground anchor installation.

## Torq Tool & Adaptor



The Torq Tool is lightweight, compact and tensions up to 6 mm Gripple tensioners. Designed with an in-built gauge, the tool measures the tension you wish to apply.

With the addition of the Adaptor, the Torq Tool can be used in recessed applications - See page 5

## Concrete Post Kit



The Concrete Post Kit is a simple, fast way to secure trellis wires to all sizes of concrete end posts. The ingenious 'collar' holds the wire in position, allowing installation and tensioning of the wire with a Gripple tensioner.

## Wire Guard



The Gripple Wire Guard eliminates metal on metal contact between the wire and intermediate posts. This protects the wire and prolongs the life of the trellis.

## Twister



The Twister secures the tail wire. Making the installation completely safe and hazard free, it gives a tidy and neat finish. Use on mild steel or high tensile wire from 1 mm to 3 mm.

## VIT-S Hook



The VIT-S Hook accessory (used in conjunction with the VIT-S Kit) allows for the addition of further fixing points on end posts for use as wires are raised through the growing season.

## Setting Key



The Setting Key allows Gripple tensioners to be repositioned on the wire before tension is applied. To use, simply insert the key into the small hole adjacent to the main channel, releasing the roller and allowing the tensioner to move freely.

## Wire Cutters



The Wire Cutters are suitable for cutting high tensile wire or wire rope up to 4 mm. The spring loaded non-slip handles make it easy to use and the hardened steel jaws deliver great results.

## Work Belt



The Gripple Work Belt is the perfect accessory for carrying your Gripple products and your vineyard tools.

# Find your solution

Use our guide to match your wire with the correct Gripple product.

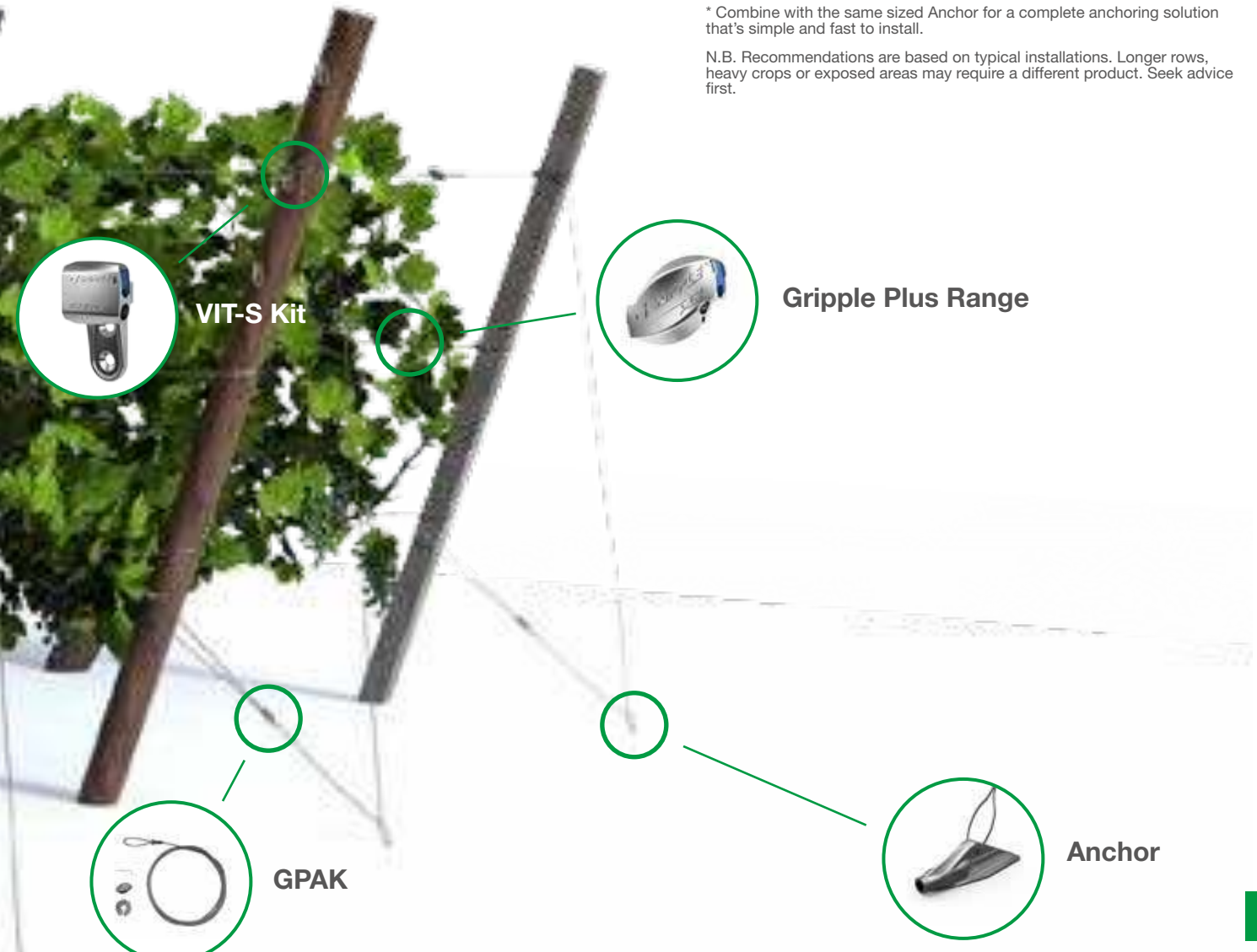
Wire Type	Wire Range	Gripple Plus Small	Gripple Plus Medium	Gripple Plus Large	Gripple Plus Jumbo	VIT-S
Join, Tension & Repair	1.40 mm - 2.20 mm / 17 SWG - 14 SWG	✓				
	1.40 mm - 2.60 mm / 17 SWG - 12½ SWG					✓
	1.80 mm - 3.00 mm / 15 SWG - 11 SWG					
	2.00 mm - 3.25 mm / 14 SWG - 10 SWG		✓			
	2.50 mm - 3.15 mm / 12½ SWG - 10 SWG					✓
	3.00 mm - 4.20 mm / 12½ SWG - 10 SWG				✓	
	3.20 mm - 4.20 mm / 10 SWG - 7½ SWG				✓	
Bracing	3.00 mm x 4.5 m		✓			
	4.00 mm x 5.0 m			✓		
Anchoring	3.00 mm x 1,0 m					
	4.00 mm x 1,0 m					



GP1	GP2	GPAK 3*	GPAK 4*	Anchor 3	Anchor 4	Maximum Load
						300 kg
						400 kg
✓						400 kg
						400 kg
						600 kg
	✓					600 kg
						600 kg
✓		✓				400 kg
	✓		✓			600 kg
				✓		Dependant on soil type
					✓	Dependant on soil type

\* Combine with the same sized Anchor for a complete anchoring solution that's simple and fast to install.

N.B. Recommendations are based on typical installations. Longer rows, heavy crops or exposed areas may require a different product. Seek advice first.



VIT-S Kit

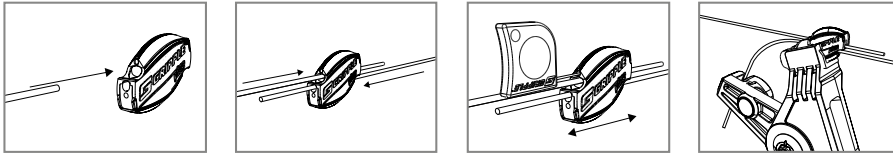
Grippler Plus Range

GPAK

Anchor

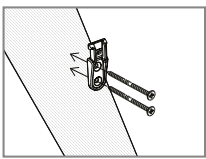
# Technical Advice & Installation

## Gripple Plus range - Installation (featuring Setting Key adjustment)

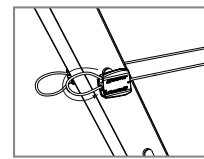
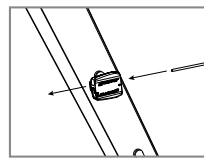
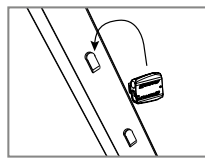


- Apply and re-apply tension with a tensioning tool (leave at least 75 mm tail wire)
- Reposition before applying tension using a Setting Key

## VIT-S - Installation



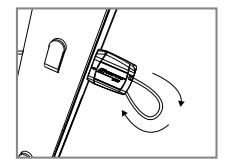
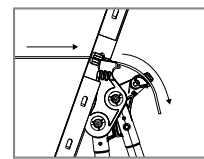
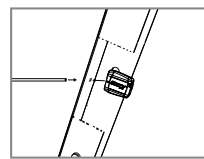
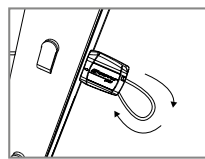
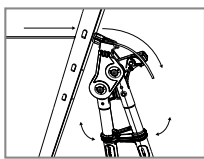
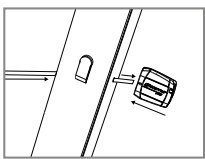
← For Installation of the VIT-S Kit on wooden & metal posts; Install the VIT-S hook before continuing...



- Loop the tail wire back into the unit to provide a safe, neat finish
- Install additional VIT-S Hooks to allow positioning up and down the post

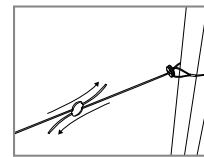
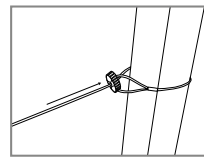
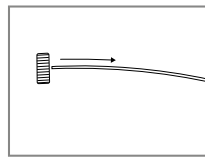
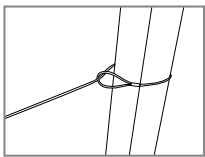
## GP No. 1 & No. 2 - Installation

## Adaptor (inside metal post)



- If the post is installed 'open-side-out', there is a handy adaptor that can be fitted to the tool to make tensioning easier

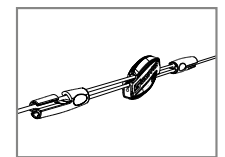
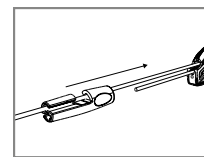
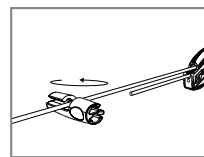
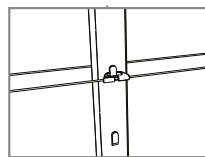
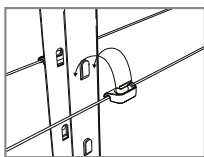
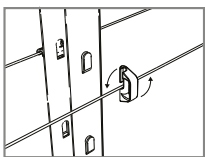
## Concrete Post Kit - Installation



- Position collar tight to post to secure
- Apply tension with a tensioning tool

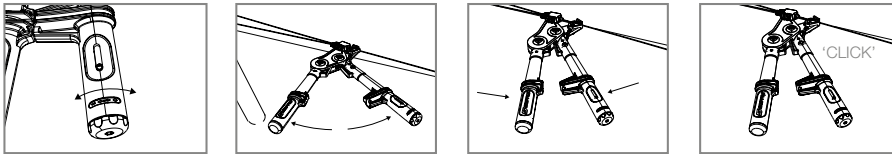
## Wire Guard - Installation

## Twister - Installation



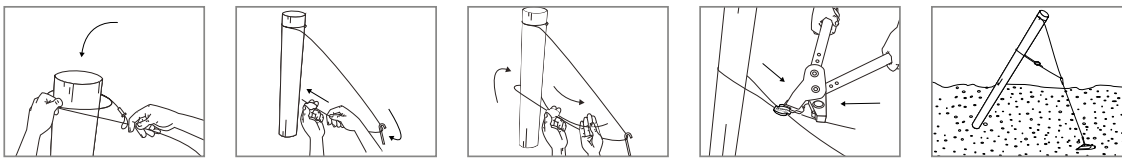
- Wire Guard can also be used on wooden & metal posts when used in conjunction with the VIT-S Hook
- A Twister tidies tail wires and can be removed and re-attached to allow for re-tensioning

## Torq Tool - Installation



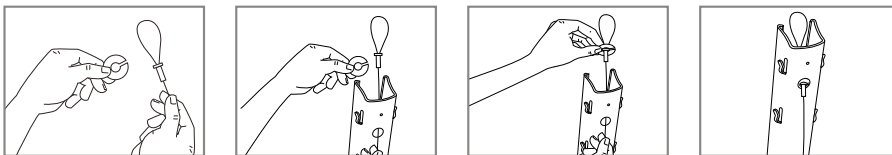
- Never tension above the wire manufacturer's recommendation

## GPAK - Installation (wooden post)



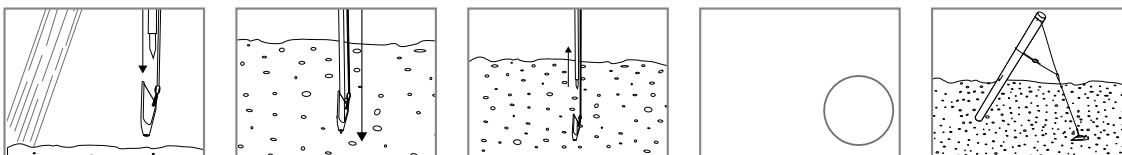
- Combine with an Anchor for a complete anchoring solution that's simple and fast to install.

## GPAK - Installation (metal post)



- Combine with an Anchor for a complete anchoring solution that's simple and fast to install.

## Anchor - Installation



- Always drive the Anchor fully into the ground, to a depth of at least 1 m
- For even quicker installation of Gripple's Anchors, use the Gripple Petrol Driver

# www.gripple.com

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**F** | +33 (0)3 88 95 08 78

**E** | frinfo@gripple.com

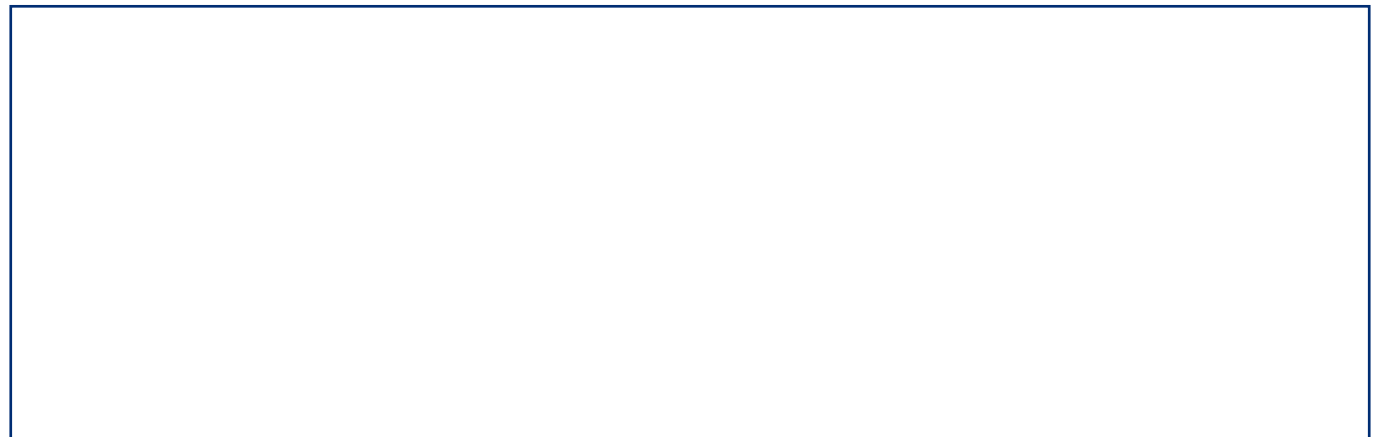
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**E** | usinfo@gripple.com



Gripple's policy is one of continuous development and innovation. We therefore reserve the right to alter specifications, etc. without notice.

WE ARE SOCIAL  
FOLLOW OUR UPDATES





# Vineyard Trellising Solutions

Complete trellising and anchoring solutions



- Tension
- Repair
- Anchor
- Brace

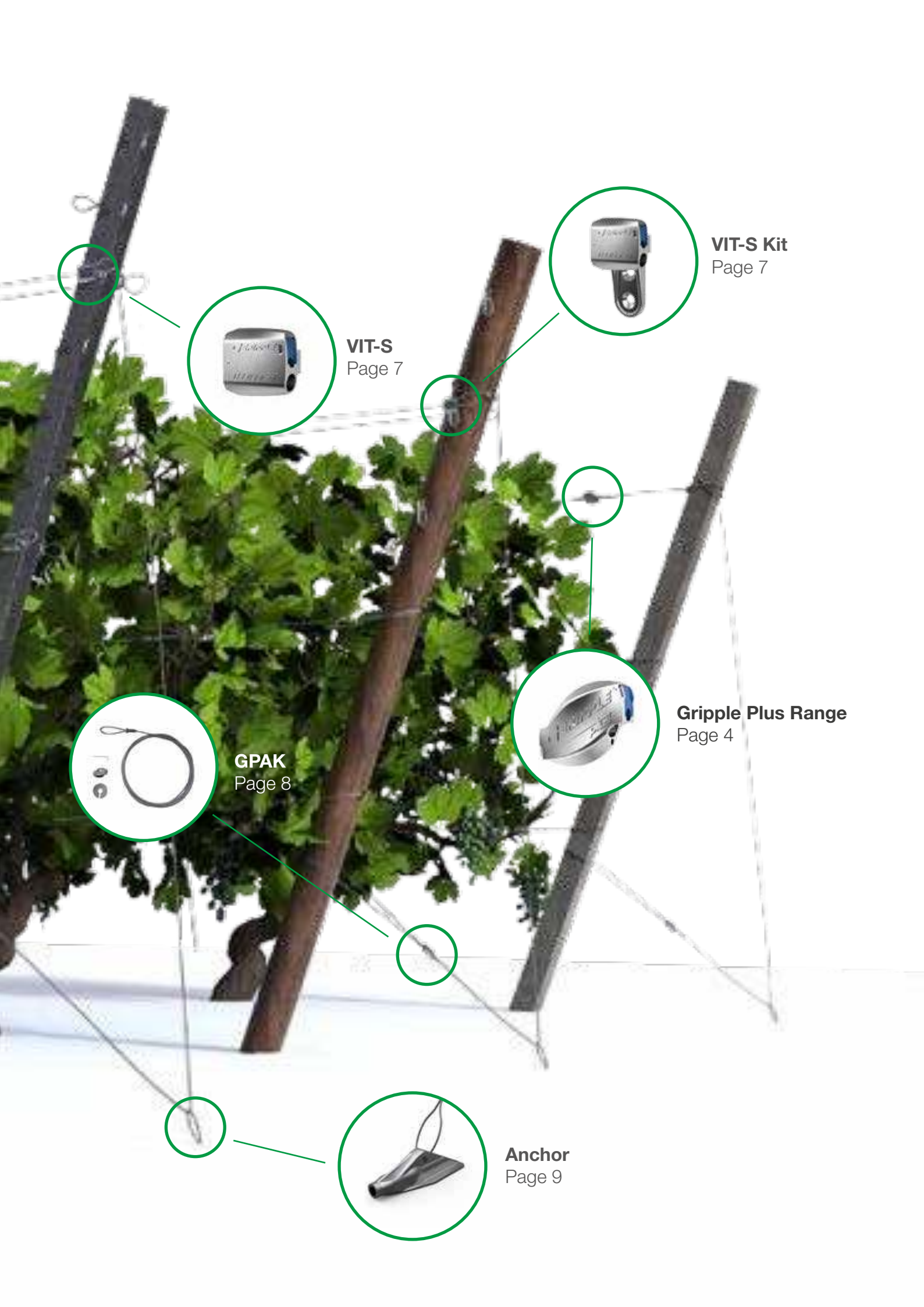
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**GP No.1 & No.2**  
Page 5



**VIT-S**  
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**VIT-S Kit**  
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**Gripple Plus Range**  
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Page 8



**Anchor**  
Page 9

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*Top. Wire repair using Gripple Plus Medium. Bottom. Standard join.*

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*GP No.1 Installed on a metal post.*



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VIT-S - Installed on metal post



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*Anchor 3 being driven into the ground.*



*Anchor 3 - Activated and installed.*

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Anchor 3	3.00 mm	1.0 m
		1.5 m
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Load is dependent on the soil quality.

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# Anchoring Tools & Accessories

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## Wire Cutters



The Wire Cutters are suitable for cutting high tensile wire or wire rope up to 4 mm. The spring loaded non-slip handles make it easy to use and the hardened steel jaws deliver great results.

## Work Belt



The Gripple Work Belt is the perfect accessory for carrying your Gripple products and your vineyard tools.

# Find your solution

Use our guide to match your wire with the correct Gripple product.

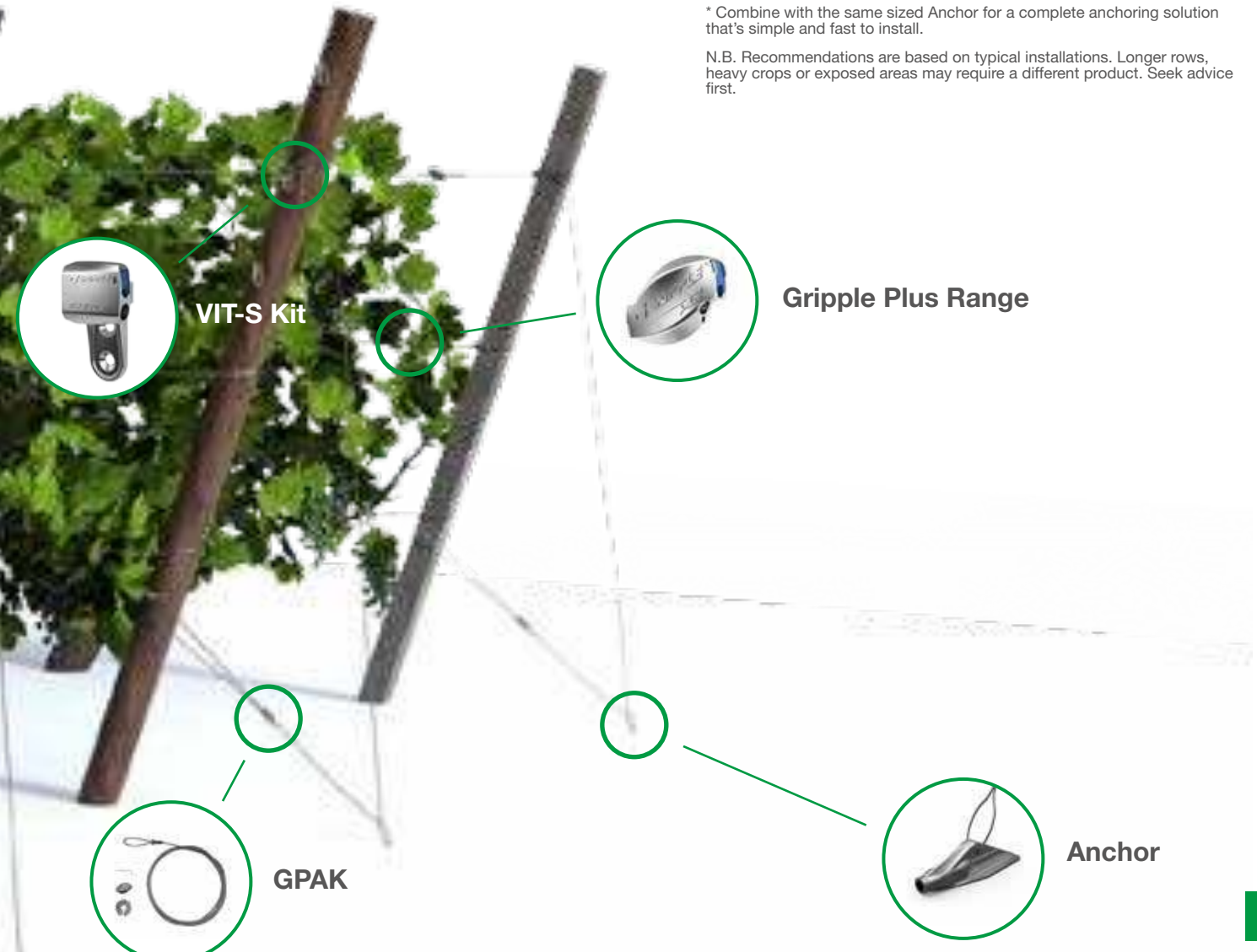
Wire Type	Wire Range	Gripple Plus Small	Gripple Plus Medium	Gripple Plus Large	Gripple Plus Jumbo	VIT-S
Join, Tension & Repair	1.40 mm - 2.20 mm / 17 SWG - 14 SWG	✓				
	1.40 mm - 2.60 mm / 17 SWG - 12½ SWG					✓
	1.80 mm - 3.00 mm / 15 SWG - 11 SWG					
	2.00 mm - 3.25 mm / 14 SWG - 10 SWG		✓			
	2.50 mm - 3.15 mm / 12½ SWG - 10 SWG					✓
	3.00 mm - 4.20 mm / 12½ SWG - 10 SWG				✓	
	3.20 mm - 4.20 mm / 10 SWG - 7½ SWG				✓	
Bracing	3.00 mm x 4.5 m		✓			
	4.00 mm x 5.0 m			✓		
Anchoring	3.00 mm x 1,0 m					
	4.00 mm x 1,0 m					



GP1	GP2	GPAK 3*	GPAK 4*	Anchor 3	Anchor 4	Maximum Load
						300 kg
						400 kg
✓						400 kg
						400 kg
						600 kg
	✓					600 kg
						600 kg
✓		✓				400 kg
	✓		✓			600 kg
				✓		Dependant on soil type
					✓	Dependant on soil type

\* Combine with the same sized Anchor for a complete anchoring solution that's simple and fast to install.

N.B. Recommendations are based on typical installations. Longer rows, heavy crops or exposed areas may require a different product. Seek advice first.



VIT-S Kit

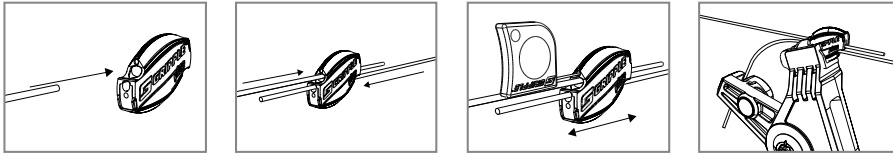
Grippler Plus Range

GPAK

Anchor

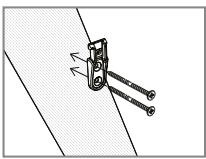
# Technical Advice & Installation

## Gripple Plus range - Installation (featuring Setting Key adjustment)

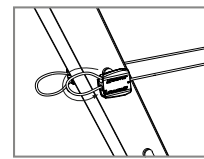
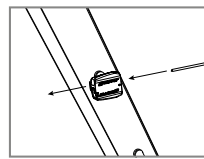
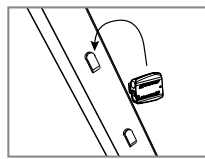


- Apply and re-apply tension with a tensioning tool (leave at least 75 mm tail wire)
- Reposition before applying tension using a Setting Key

## VIT-S - Installation



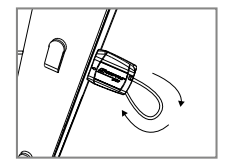
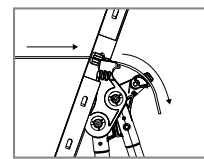
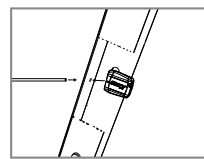
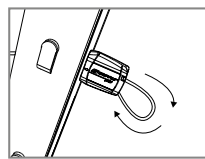
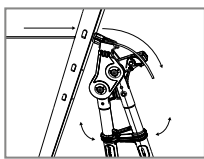
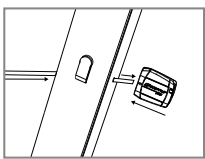
← For Installation of the VIT-S Kit on wooden & metal posts; Install the VIT-S hook before continuing...



- Loop the tail wire back into the unit to provide a safe, neat finish
- Install additional VIT-S Hooks to allow positioning up and down the post

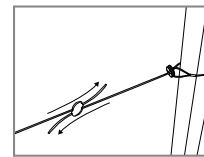
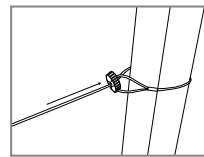
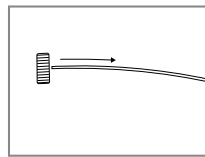
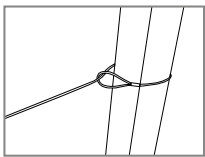
## GP No. 1 & No. 2 - Installation

## Adaptor (inside metal post)



- If the post is installed 'open-side-out', there is a handy adaptor that can be fitted to the tool to make tensioning easier

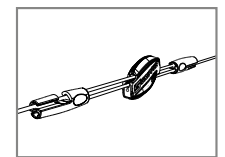
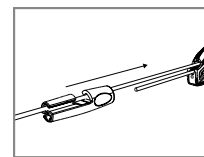
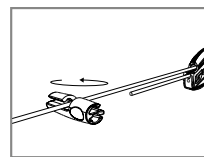
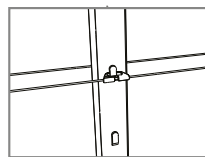
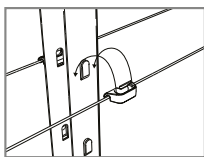
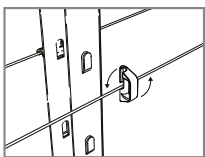
## Concrete Post Kit - Installation



- Position collar tight to post to secure
- Apply tension with a tensioning tool

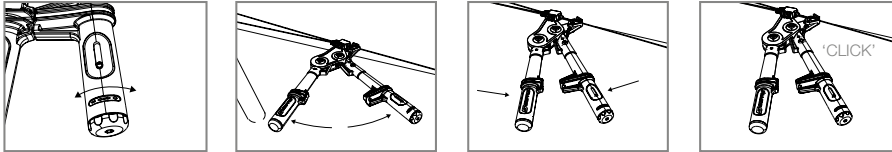
## Wire Guard - Installation

## Twister - Installation



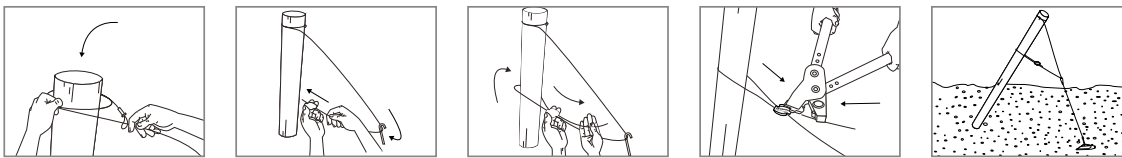
- Wire Guard can also be used on wooden & metal posts when used in conjunction with the VIT-S Hook
- A Twister tidies tail wires and can be removed and re-attached to allow for re-tensioning

## Torq Tool - Installation



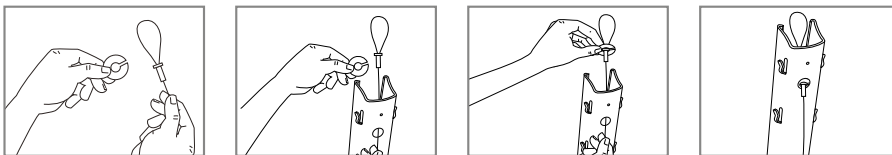
- Never tension above the wire manufacturer's recommendation

## GPAK - Installation (wooden post)



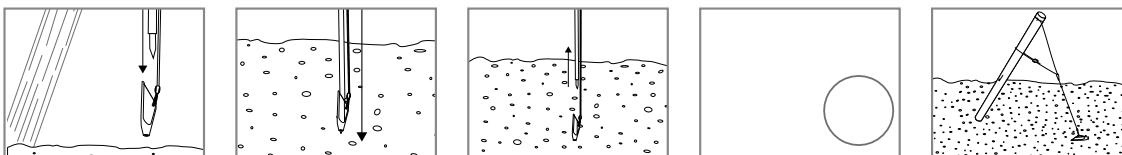
- Combine with an Anchor for a complete anchoring solution that's simple and fast to install.

## GPAK - Installation (metal post)



- Combine with an Anchor for a complete anchoring solution that's simple and fast to install.

## Anchor - Installation



- Always drive the Anchor fully into the ground, to a depth of at least 1 m
- For even quicker installation of Gripple's Anchors, use the Gripple Petrol Driver

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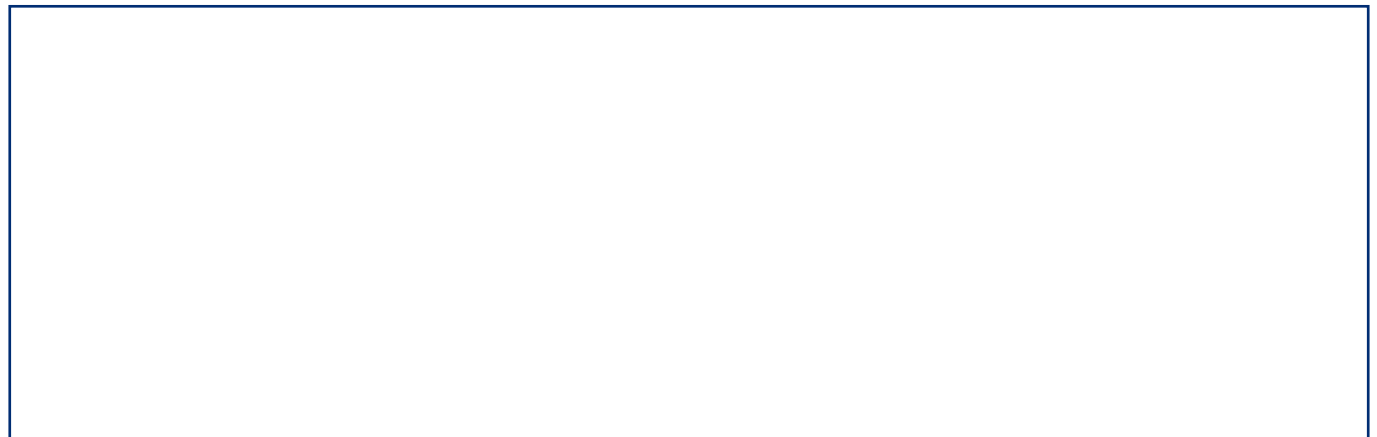
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Gripple's policy is one of continuous development and innovation. We therefore reserve the right to alter specifications, etc. without notice.

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FOLLOW OUR UPDATES

