



**CRANE  
BUILDERS**  
*and repairs*

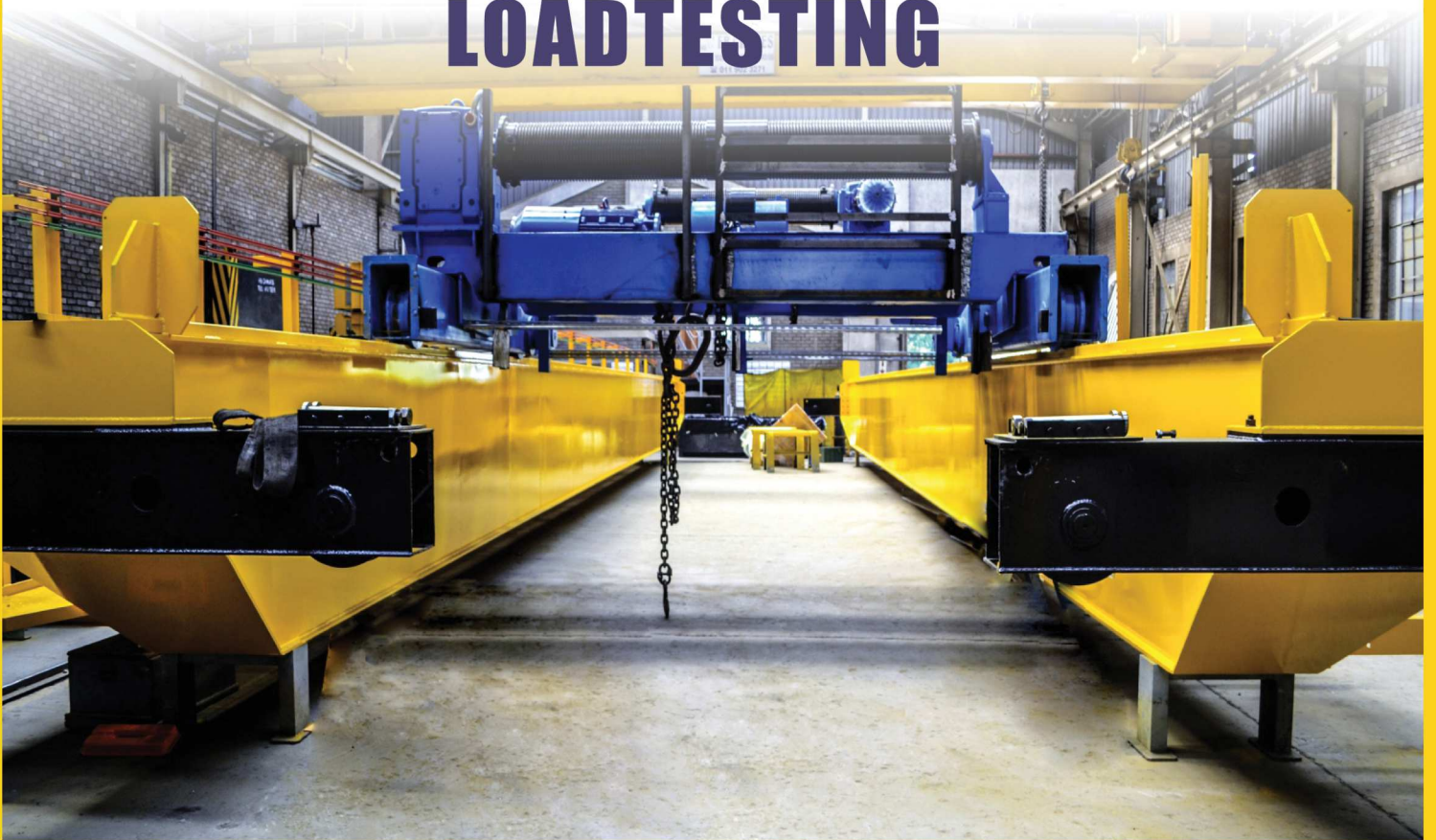
Service

| Safety

| Reliability

## PRODUCT CATALOGUE

**LIFTING EQUIPMENT  
MANUFACTURING  
LOAD TESTING**



CUSTOMISED LIFTING EQUIPMENT DESIGNED TO MEET SPECIFIC REQUIREMENTS

011 902 3271 | [info@fbcranes.co.za](mailto:info@fbcranes.co.za) | [www.fbcranes.co.za](http://www.fbcranes.co.za)





WHAT WOULD HAPPEN  
TO YOUR  
BUSINESS  
IF YOUR  
**CRANE**  
BROKE DOWN  
TODAY?



Service | Safety | Reliability

# COMPANY PROFILE

## INTRODUCTION

FB Crane Builders & Repairs (Pty) Ltd was established by Frans Best in 1992. The company, which had two employees then, now employs in the region of 40 staff in Bergvlei Road, Wadeville, on Gauteng's East Rand, and from factory at the Acbo Industrial Park, in Rustenburg.

FB Crane Builders & Repairs (Pty) Ltd offers a unique combination of products and services for the manufacture and maintenance of overhead and lifting equipment. The company's New Cranes Department produced an average of 30 cranes per year, and the Maintenance Team is continuously obtaining Lifting Machinery Inspectors' certifications.

FB Crane Builders & Repairs is also an ISO 9001:2015 certified company and its consistent focus on product development has seen it develop its own in-house brand: the Amandla / TBM Steel Wire Rope Hoists and Amandla Electric Chain Hoists.

### Vision

To be recognised as a preferred supplier in lifting machinery and services throughout Southern Africa.

### Mission

To supply high quality and cost competitive lifting machinery, equipment and services in a timely manner to customers in varied industries

## PRODUCT AND SERVICES

### Proactive Preventative Maintenance

Prevent breakdowns and identify problems even before they occur. Experience peace of mind and avoid costly downtime with FB Cranes Preventative Maintenance solutions. Our Preventative Maintenance Plans give you experienced and technically minded labour combined with quality spare parts gives you peace of mind that your cranes are running at optimum capacity all year.

### Reactive Repairs

Around the clock (24/7) dedicated technical support assures the best response to any breakdown emergency our customers may have. FB Cranes also ensures that all statutory inspections and maintenance requirements are completed on time and to required standards and specifications (minor and major inspections) thereby reducing costly breakdowns and unnecessary loss of production.

### Load Testing

With FB Cranes being registered as a Lifting Machinery Entity (LME) together with our certified lifting machinery inspectors (LMI'S) we are legally the right company to perform your occupational health and safety (OHS) act on all your lifting driven machinery. With our certified and calibrated solid weights, water bags and engineering expertise no load test is too difficult for us to achieve. In fact, FB Cranes can perform load test from 250kg up to 150 tons.



*Receive only the best when you entrust us with your crane specifications*



# STAHL HOIST



Different types and variants of travel carriage for the SH wire rope hoist open up the most varied applications. Individually tailored to your specific requirements as stationary hoisting or towing equipment, for use with a trolley or crab, or for systems manufacture. The travel carriages are equipped as standard with two travel speeds. But in this matter too we are open to your requirements. Other speeds are available as options. Our wire rope hoists are known worldwide for their flexible and versatile use. Compact dimensions and extremely short approach dimensions help to make optimum use of the shop.

**Amandla**

SHA-XD



SHA



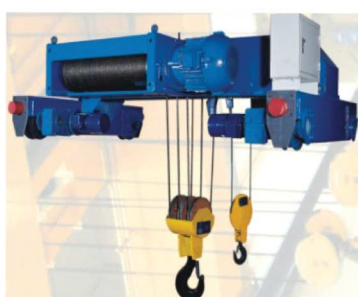
SH UNDER SLUNG



SH FOOT MOUNTED



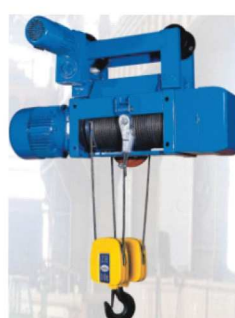
ZH DOUBLE CRAB



ZH LOW HEAD ROOM



ZH UNDER SLUNG



ZH FOOT MOUNTED



# AMANDLA SERIES

## ELECTRIC CHAIN HOIST (Hook Suspension Type)



Reference	Capacity (t)	Classifi- cation	Motor Power (Kw)	Load Chain (mm)	Lift Speed (m/min)	Net Weight (kg)
BO2247	0.5	M3	0.8	7.1	5.80	44
BO2248	1.0	M3	1.1	7.1	4.30	46
BO2249	2.0	M3	1.1	7.1	2.15	60
BO2250	3.0	M3	1.1	7.1	2.43	68

*All Detail Subject To Confirmation - Contact Us For More Information.*

## ELECTRIC TROLLEY



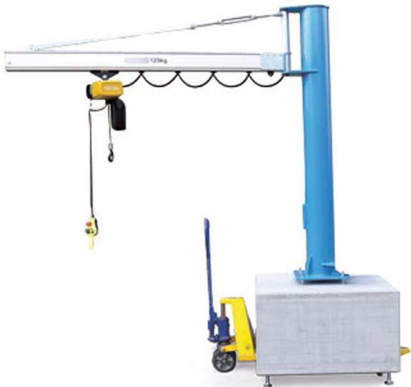
Capacity (t)	Motor Power (Kw)	Travelling Speed (m/min)	I-Beam Width GB706-88	Net Weight (kg)
0.5	0.3	20	12.6-28b	5
1.0	0.3	20	12.6-28b	8.7
2.0	0.3	20	12.6-28b	13.9
3.0	0.4	18	20b-45b	23.5
5.0	0.4	18	20b-45b	40

## GIS



GIS - electric chain hoists are used everywhere, where process safety of crane systems is important: in the hard three-shift operations in the automotives and other high production industries, in dusty or chemical aggressive environments, for outdoor use, for the entertainment industry or for extreme lifting heights in wind power plants.

GIS - electric chain hoists and trolleys are made to high standards. The safety factor of the load chain is at least 8 (1-fall in FEM 2m, ISO 5M) which reduces wear and tear and increases the service life.





# AMANDLA SERIES

## PLAIN TROLLEY CRAWL

Reference	Capacity (t)	I-Beam Width	N.W/Kgs
BO2524	0.5	75-125	5
BO2524	0.5	64-140	7
BO2525	1.0	75-125	8
BO2525	1.0	64-140	12
On Request	1.5	100-150	13
On Request	1.5	76-165	18
BO2526	2.0	100-150	13
BO2526	2.0	76-165	22
BO2527	3.0	100-150	25
BO2527	3.0	76-203	30
BO2528	5.0	125-175	44
BO2528	5.0	88-203	55
BO2529	10.0	125-180	90
BO2529	10.0	125-203	93
On Request	20.0	136-203	235



Amandla

## GEARED TROLLEY CRAWL

Reference	Capacity (t)	I-Beam Width	N.W/Kgs
BO2530	0.5	75-125	12
BO2530	0.5	64-140	14
BO2531	1.0	75-125	15
BO2531	1.0	64-140	19
On Request	1.5	100-150	18
BO2532	2.0	100-150	18
BO2532	2.0	76-165	29
BO2533	3.0	100-150	35
BO2533	3.0	76-203	40
BO2534	5.0	125-175	54
BO2534	5.0	88-203	65
BO2535	10.0	125-180	100
BO2535	10.0	125-203	103
On Request	20.0	136-203	245
On Request	30.0	144-175	255



Amandla

# AMANDLA SERIES

## LEVER BLOCK



Amandla

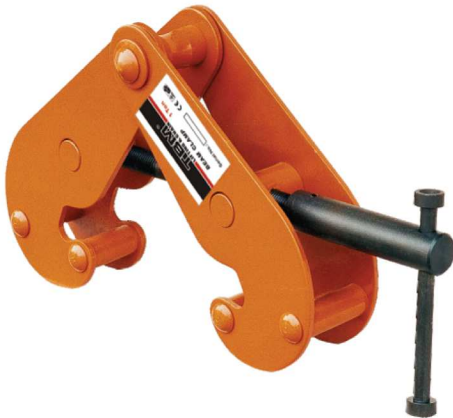
Reference	Capacity (t)	Classifi-cation	Strands of Load Chain	Load Chain Diameter (mm)	Net Weight (kg)
BO2803	0.75	M1.5	1	6	7.7
BO2138	1.5	M1.5	1	8	11.8
BO2112	3.0	M1.5	1	10	21
On Request	6.0	M1.5	2	10	32
On Request	9.0	M1.5	3	10	47

## CHAIN BLOCK



Reference	Capacity (t)	Classifi-cation	Strands of Load Chain	Load Chain Dia (mm)	Net Weight (kg)
BO2264	0.5	M2.5	1	5	8.5
BO2105	1.0	M2.5	1	6	11
BO2265	1.5	M2.5	1	7	16
BO2038	2.0	M3.0	1	8	19
BO2178	3.0	M3.0	2	7	24
BO2196	5.0	M3.0	2	9	37
BO2278	10.0	M3.0	4	9	73.5

## BEAM CLAMPS



Amandla

Ref	Safe Working Load (kg)	Adustable Beam Width (mm)
BO1008	1000	75-220
BO0794	2000	75-220
BO0870	3000	80-320
BO1451	5000	80-320
BO1010	10000	90-320

## WIRE ROPE WINCH (TIRFOR)



Reference	Capacity (t)	Efficient Length of Forward Handle (mm)	Rope Diameter (mm)	Standard Length of Rope (m)	Net Weight (kg)
BO2287	0.8	825	8	10;20	6
BO2254	1.6	1200	11	10;20	12
BO2255	3.2	1200	16	10	23



# AMANDLA SERIES

## VERTICAL PLATE GRAB

Reference	Opening Size (mm)	Capacity (kg)	Test Load (kg)	Net Weight (kg)
BO1634	0-22	1000	2000	3.6
BO0540	0-30	2000	4000	6
BO0821	0-35	3000	6000	9.2
BO1020	5-45	5000	10000	16.5



## UNIVERSAL PLATE GRAB

Product Code	Working Load Limit (Kg)	Minimum Load (Kg)	Jaw Opening (mm)	Eye Diameter (mm)	Net Weight Per Pair (Kg)
MGU1000	1000	100	0 - 20	50	5
MGU2000	2000	200	0 - 25	68	8
MGU3000	3000	300	0 - 30	75	15
MGU5000	5000	500	0 - 50	68	23
MGU8000	8000	800	0 - 45	88	37



## HORIZONTAL PLATE GRAB

Ref	Opening Size (mm)	Capacity (kg)	Test Load (kg)	Net Weight (kg)
BO1552	0-25	750	1500	3
BO0805	0-30	1500	3000	4
BO2711	0-45	2000	4000	6

*Horizontal Grabs Sold In Pairs*



# REMOTE CONTROL

www.juuko.com.tw

## The Kseries pushbutton transmitter

- Narrowband designed, avoiding Interference.
- Switching power system.
- RF Channel could be changed by software.
- While interference occurs, system switch to a spare channel automatic.
- Eco power management system. Save on batteries.
- Up to 12 keys, single or double step pushbutton.
- Mushrooms type EMO button.
- Internal BootLoader, up firmware to the date from JUUKO's website.
- Transmitter to receiver, transmitter to transmitter could copy wirelessly.

### Transmitters

\*batteries including



K1200  
242X57 X 51 mm  
345g



K1000  
242 X 57 X 51 mm  
340g\*



K800  
193 X 57 X 51 mm  
310g\*



K600  
193 X 57 X 51 mm  
305g\*



K400  
193X 57 X 51 mm  
300g\*



K200  
193X 57 X 51 mm  
295g\*

### Receiving units



W系列  
188 X 120 X 65 mm  
1020g



H系列  
142 X 141 X 59 mm  
403g



# CHAIN SLINGS

## VITALIFT®

## 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.

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

		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)	Grade	t	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
Factor		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)



# CHAIN 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.

### 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

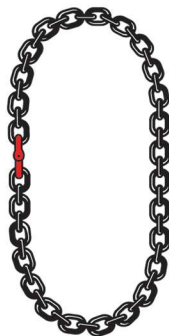
#### CHOKER SLING

(Grade 100 Shown)



#### ENDLESS SLING

(Grade 80 Shown)



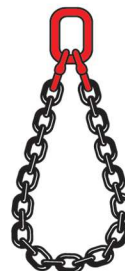
#### SINGLE ADJUSTABLE LOOP CHAIN SLING

(Grade 100 Shown)



#### SINGLE BASKET SLING

(Grade 80 Shown)



#### DOUBLE BASKET SLING

(Grade 100 Shown)





# TYPICAL CHAIN SLINGS



## 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.

### NEW PRODUCT TO OUR RANGE

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

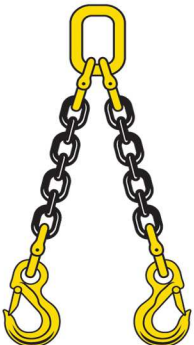
#### WORKING LOAD LIMITS

	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		
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



# CHAIN SLING FITTINGS

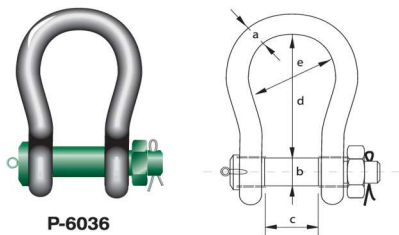


## SHACKLES & WIRE ROPE CLIPS

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

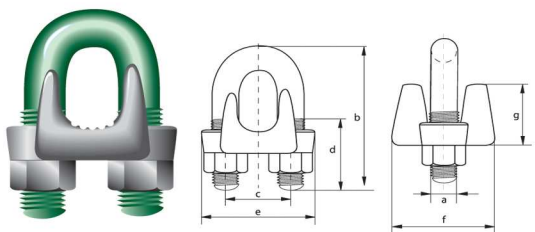


P-6036

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	length bow	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

**VAN BEEST**



Holland



# LIFTING APPLIANCES



**VITALIFT®**

## LIFTING APPLIANCES

A range of versatile lifting appliances, essential for materials handling applications around the warehouse and store yard.

### DRUM LIFTERS



### FORKLIFT HOOKS



### MANHOLE RING LIFTING SYSTEM

A standard lifting system which consists of a 3 legged chain sling attached to 3 lifting clamps.



#### SPECIFICATIONS

Minimum Ring Diameter	Wall Thickness Range	Maximum Weight
900mm	40-125mm	2400Kg

Clamps available individually  
Purchase 3 legged chain sling separately



# FALL ARRESTORS



## 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 ropes.

HARU® Fall Arrestors are manufactured in a ISO

9001:2008 factory and all products are CE approved.



FAHB03,5N



FAHB06N



FAHB10

FAHB06



FAHB15



FAHB20

### SPECIFICATIONS - FALL ARRESTORS - EN360 APPROVED

Model Number	Type	Length (m)	Weight (kg)
FAHB03.5N	Nylon Webbing	3.5	1.6
FAHB06N	Nylon Webbing	6	1.6
FAHB06	Steel wire rope	6	4.5
FAHB10	Steel wire rope	10	4.8
FAHB15	Steel wire rope	15	6.6
FAHB20	Steel wire rope	20	8.6

### CAUTION!



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

### 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.

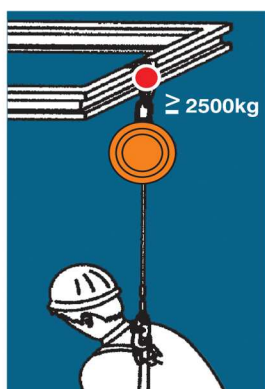
For manhole max. diameter 1.5m and under.



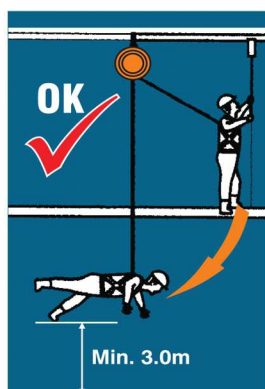
# FALL ARRESTORS



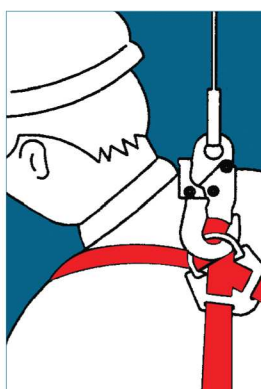
## FALL ARRESTORS Operating Guidelines



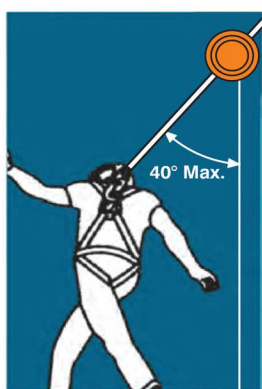
- Use a rigid anchor point capable of carrying at least 2500kg
- **DO NOT WORK ABOVE THE ANCHOR POINT**



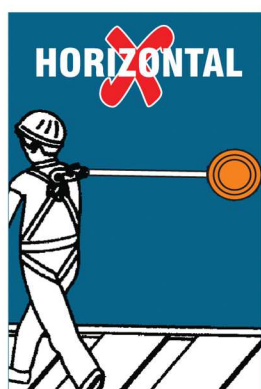
- The minimum working height is calculated by adding 3.0m to the length of the fall of the rope



- 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!

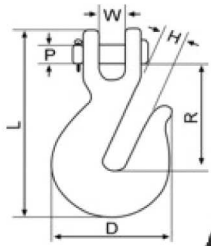


Always read the instruction manual before use  
Always wear the correct safety gear



FA-Ver 01.003

# LASHING EQUIPMENT



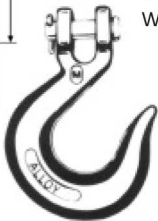
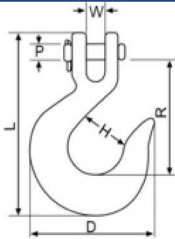
## Grab Hook - Heat Treated and Tempered

Suitable for concrete, steel and PVC pipes; Wood (logs); Rubbish and rubble (special jaws); Jaws are available to suit various applications e.g. painted or machined surfaces.

400 - 1200mm diameter

W.L.L. 1.0t - 2.0t

Chain Size	W	D	H	L	P	R	Mass ea
	mm	mm	mm	mm	mm	mm	kg
10.0	11	68	12.7	114	11	68	0.5
13.0	15	84	16.7	143	14	85	0.9



## Slip Hook - Heat Treated and Tempered

Polished granite and marble; Glass; Aluminium, brass, copper, stainless steel; Plywood;

4mm - 1200mm thickness

W.L.L. 1.0t - 2.0t

Chain Size	W	D	H	L	P	R	Mass ea
	mm	mm	mm	mm	mm	mm	kg
10.0	11	89	32.0	124	11	76	0.6
13.0	15	124	44.5	162	14	100	1.3



## Tension Selector - The New Ratchet Binder

Continuous take-up feature with infinite adjustment; One piece assembly, no bolts and nuts to loosen; Ratchet spring rust proofed; All load bearing or holding parts forged; Eye bolts and hooks are alloy steel, quenched and tempered; Easy to operate-positive

Model No	Chain Size	Handle Length	Barrel Length	Take-Up	Minimum Breaking Strength	Mass
	mm	mm	mm	mm	kg	kg
R-A	10.0/13.0	356	254.0	200	15,000	5.6



## Lever Binder

Drop forged and heat treated;

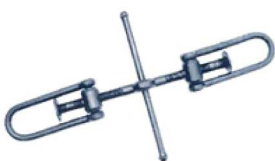
Each binder is proof tested.

Chain Size	Handle Length	Take-Up	Minimum Breaking Strength	Mass
mm	mm	mm	kg	kg
6.3	286	64	2830	1.13
10	405	102.0	8620	3.50
13	470	115	12700	5.10

## 28mm Turnbuckle

The typical chain assembly incorporating the Turnbuckle consists of a 10m length of chain with a grab hook attached at one end and a short length of 600mm chain with a slip hook attached at the other end of the turnbuckle.

Minimum Size	Maximum Length	Take-Up	Minimum Breaking Strength	Mass ea
mm	mm	mm	kg	kg
610	890	280.0	13600	7.0



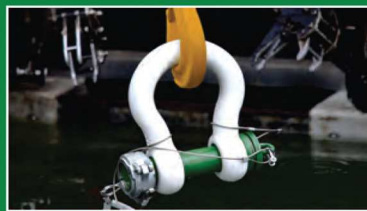
## Lashing Chain

Diameter mm	Working Load	Kg/ meter
10	1000kg	2.21
13	1600kg	3.73





# SHACKLES



## 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



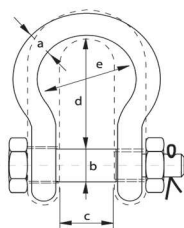
**SANS 2415**  
Compliant



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

**VAN BEEST**



Holland

GP-Ver01.002

# TIE DOWN & RATCHETS

Generally in accordance with DIN 60060

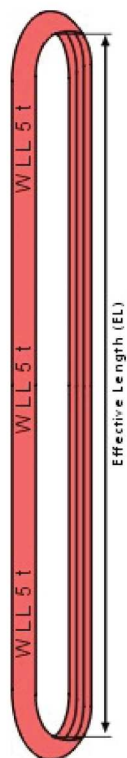
- Safe and Secure - meets all legal requirements
- Fast tensioning release and re-tensioning
- Durable, high visibility polyester webbing
- Corner protectors of various duties available



RATCHET TIE-DOWN SYSTEMS			
Description		Width/ Capacity	Length
Cambuckle tie-down system	1 part	25mm/500kg	3m long
Cambuckle only	1 part	25mm/500kg	
Ratchet tie-down system	2 part	25mm/500kg	3m long
Ratchet only	2 part	25mm/500kg	
Ratchet tie-down system	2 part	36mm/1500kg	5m long
Ratchet only	2 part	36mm/1500kg	
Ratchet tie-down system	2 part	50mm/4200kg	6m long
Ratchet tie-down system	2 part	50mm/4200kg	9m long
Webbing long end with hook		50mm/4200kg	9m long
Ratchet only		50mm/9000kg	
Ratchet tie-down system	2 part	75mm/9000kg	9m long
Ratchet only		75mm/9000kg	
Ratchet tie-down system	2 part	100mm/12000kg	9m long
Ratchet only		100mm/12000kg	



# ENDLESS ROUND SLINGS



## 100% Polyester Round Slings - TE Programme




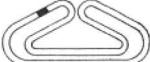
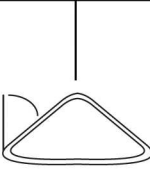



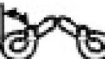
### Features:

- Manufactured according to machine Directive 89/392/EC
- Colour-coded according to EN 1492-2
- Extra heavy duty webbing sleeve for a high abrasion resistance
- Working Load Limit (W.L.L.) printed on sleeve
- W.L.L. capacity stripes; each stripe is equal to 1 tonne capacity
- Available in capacities up to 100 tonne
- Available in lengths up to 50 metres

### Protective Sleeves:

- Extreme conditions: "Stobitex" - steel plates/coils, polyurethane, bonded or sleeve
- Hard conditions: "Polytex" - concrete/granite, polyester sleeve
- Moderate conditions: "PVC" - wood, PVC layflat sleeve



COLOUR CODED ACCORDING TO DIN-EN 1492-2	STRAIGHT LIFT	CHOCKED LIFT	WORKING LOAD LIMITS FOR 1 ENDLESS ROUND SLING								
			0° - 7°	7° - 45°	45° - 60°	7° - 45°	45° - 60°	7° - 45°	7° - 45°	45° - 60°	45° - 60°
											
FACTOR	1.0	0.8	2.0	1.4	1.0	0.7	0.5	1.4	1.12	1.0	0.8
W.L.L. 1t PURPLE	1000	800	2000	1400	1000	700	500	1400	1120	1000	800
W.L.L. 2t GREEN	2000	1600	4000	2800	2000	1400	1000	2800	2240	2000	1600
W.L.L. 3t YELLOW	3000	2400	6300	4200	3000	2100	1500	4200	3360	3000	2400
W.L.L. 4t GREY	4000	3200	8000	5600	4000	2800	2000	5600	4480	4000	3200
W.L.L. 5t RED	5000	4000	10000	7000	5000	3500	2500	7000	5600	5000	4000
W.L.L. 6t BROWN	6000	4800	12000	8400	6000	4200	3000	8400	6720	6000	4800
W.L.L. 8t BLUE	8000	6400	16000	11200	8000	5600	4000	11200	8960	8000	6400
W.L.L. 10t ORANGE	10000	8000	20000	14000	10000	7000	5000	14000	11200	10000	8000

# DUPLEX (DOUBLE SEWN) FLAT SLINGS

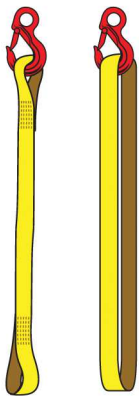
- Slings colour coded to WLL for easy identification
- All slings are manufactured to comply with:  
EN1491-1 and SANS94-1 Flat woven webbing slings  
EN1491-2 and SANS94-2 Roundslings
- Safety factor 7:1 in compliance with standards and the Occupational Health and Safety Act
- Each sling serial numbered for traceability
- Common sizes available ex-stock, larger capacity slings can be manufactured to order



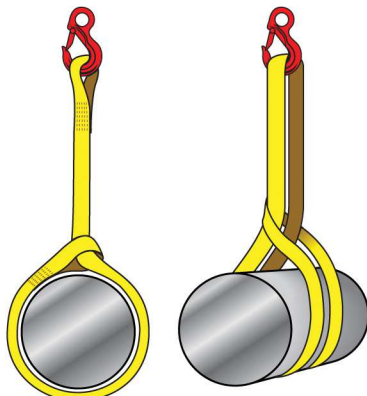
## WORKING LOAD LIMITS & COLOUR CODES

Colour Coding t	Straight / Vertical Lift t	Choked Lift t	Basket Hitch		
			Parallel t	0° to 90° between legs t	90° to 120° between legs t
Violet	1.0	0.8	2.0	1.4	1.0
Green	2.0	1.6	4.0	2.8	2.0
Yellow	3.0	2.4	6.0	4.2	3.0
Grey	4.0	3.2	8.0	5.6	4.0
Red	5.0	4.0	10.0	7.0	5.0
Brown	6.0	4.8	12.0	8.4	6.0
Blue	8.0	6.4	16.0	11.2	8.0
Orange	10.0	8.0	20.0	14.0	10.0
Factor	1.0	0.8	2.0	1.4	1.0

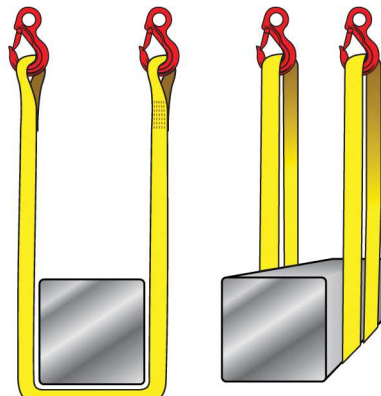
Slings with higher working load limits available on request



VERTICAL SLING



CHOKER SLING



PARALLEL BASKET SLING

Due to our policy of continual product development, dimensions, weights and specifications may change without prior notice.  
Please check with your sales representative when ordering.



# WIRE ROPE SLING TYPES



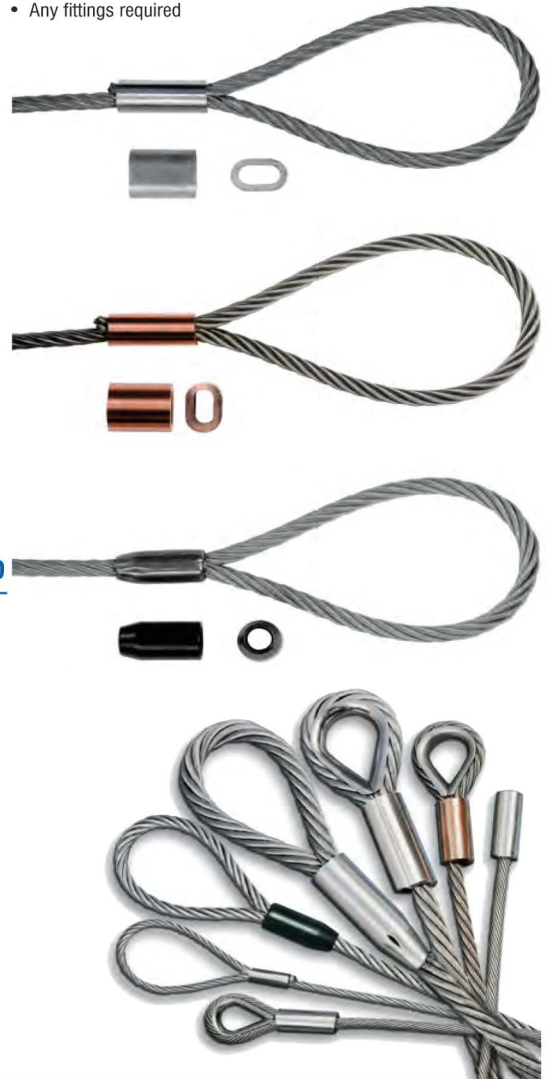
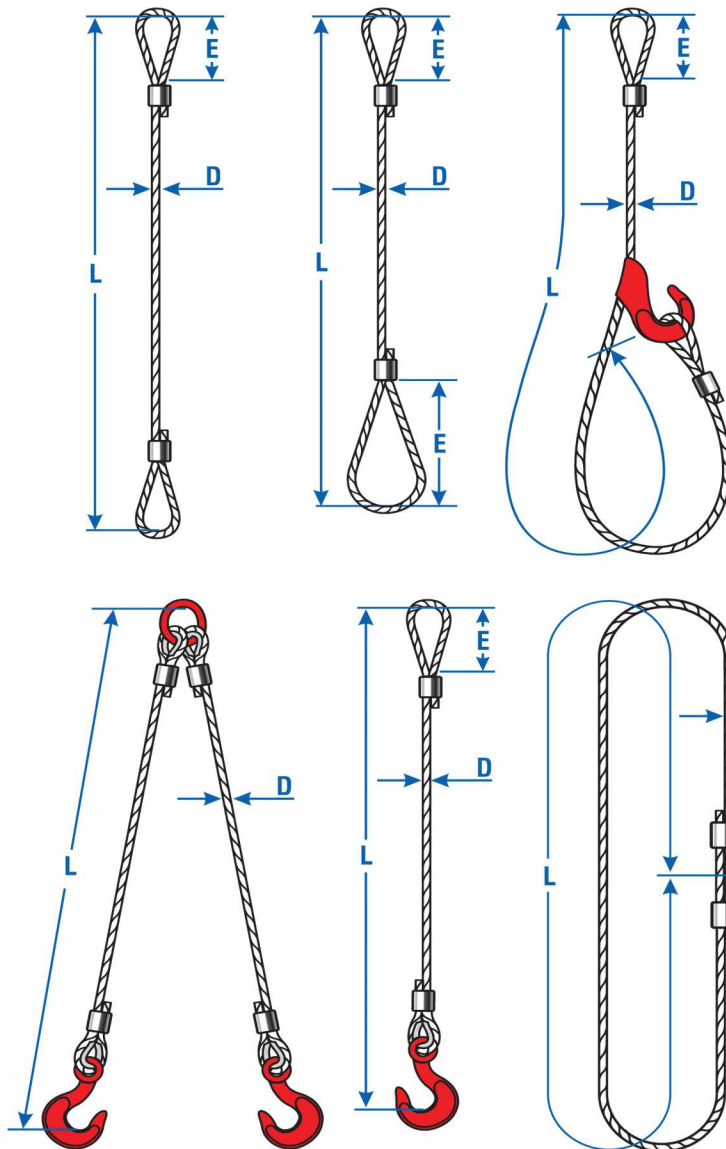
## STEEL WIRE ROPE SLINGS

Bespoke steel wire rope slings manufactured to suit your requirements.

- Manufactured to international specifications
- Afgrip slings manufactured with seamless extruded ferrules from Germany
- Can be proof loaded individually at additional cost
- 6:1 Safety factor as required by the Occupational Health and Safety Act
- Stainless steel slings also produced to customer requirements
- DNV certified slings available on request

### How to order a VITALIFT steel wire rope sling (*Please Specify:*

- Type of sling required (one leg, two legs, etc)
- WLL limit required (See chart overleaf for standard slings).
- Type of splice:
  - Afgrip (also know as Turn-Back, or Aluminium)
  - Superloop (also know as Flemish, National, or Jupiter)
- Effective length (leg length / pull to pull length / circumference)
- Finish of steel wire rope required:
  - Ungalvanised, galvanised or stainless steel
- Whether eyes are soft (standard) or should have thimbles (hard)
- Eye sizes for soft eyes (see standard eye sizes on chart overleaf)
- Serial numbers required
- Any fittings required

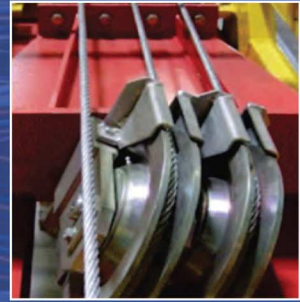


SWRS-Ver01.001



# WIRE ROPES

**VITALIFT®**



## STEEL WIRE ROPE

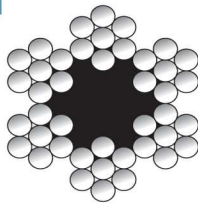
Steel wire ropes manufactured to various international standards.

Steel wire ropes are available in a variety of diameters, constructions and finishes. Ropes can be supplied in any length with end fittings as required

**Construction: 6 x 7 FC (Galvanised Steel)**  
From 1.5 - 10mm

### Product Code

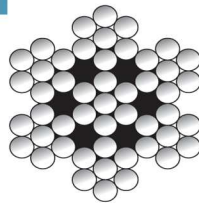
WR01,5/6X7G  
WR02,0/6X7G  
WR02,5/6X7G  
WR03,0/6X7G  
WR04/6X7G  
WR05/6X7G  
WR06,0/6X7G  
WR08/6X7G  
WR10/6X7G



**Construction: 7 x 7 WMC (Galvanised Steel)**  
From 1 - 6mm

### Product Code

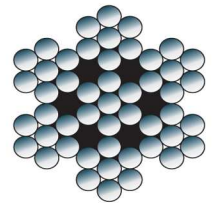
WR01,0/7X7G  
WR01,5/7X7G  
WR02,0/7X7G  
WR02,5/7X7G  
WR03,0/7X7G  
WR03,5/7X7G  
WR04/7X7G  
WR05/7X7G  
WR06,0/7X7G



**Construction: 7 x 7 WMC (Stainless Steel Gr316)**  
1 & 1.5mm

### Product Code

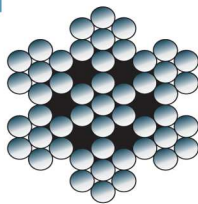
WR01,0/7X7S  
WR01,5/7X7S  
WR06,0/7X7S



**Construction: 7 x 7 WMC (Stainless Steel Gr304)**  
1 - 5mm

### Product Code

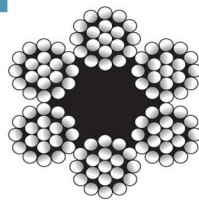
WR01,0/7X7SS  
WR01,5/7X7SS  
WR02,0/7X7SS  
WR02,5/7X7SS  
WR03,0/7X7SS  
WR04/7X7SS  
WR05/7X7SS



**Construction: 6 x 19 FC (Galvanised Steel)**  
From 3.0 - 22mm

### Product Code

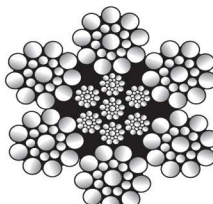
WR03,0/6X19G  
WR04/6X19G  
WR05/6X19G  
WR06,0/6X19G  
WR08/6X19G  
WR10/6X19G  
WR13/6X19G (9/9/1)  
WR16/6X19G (9/9/1)  
WR19/6X19G (9/9/1)  
WR22/6X19G (9/9/1)



**Construction: 6 x 19 IWRC (Galvanised Steel)**  
From 8.0 - 16mm

### Product Code

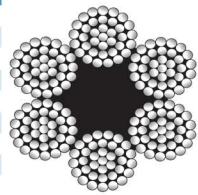
WR08/6X19GIWRC  
WR10/6X19GIWRC  
WR11/6X19GIWRC  
WR13/6X19GIWRC  
WR16/6X19GIWRC  
WR20/6X19GIWRC  
  
Ungalvanised 8.0 & 16  
WR08/6X19BIWRC  
WR16/6X19BIWRC



**Construction: 6 x 36 FC (Galvanised Steel)**  
From 6 - 38mm

### Product Code

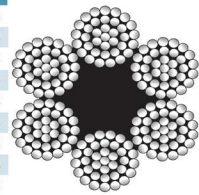
WR06,0/6X36G WR18/6X36G  
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WR09,0/6X36G WR20/6X36G  
WR10/6X36G WR22/6X36G  
WR11/6X36G WR24/6X36G  
WR12/6X36G WR26/6X36G  
WR13/6X36G WR28/6X36G  
WR14/6X36G WR32/6X36G  
WR16/6X36G WR38/6X36G



**Construction: 6 x 36 FC (Ungalvanised Steel)**  
From 6 - 56mm

### Product Code

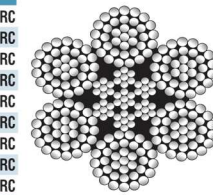
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WR09,0/6X36B WR24/6X36B  
WR10/6X36B WR26/6X36B  
WR11/6X36B WR28/6X36B  
WR12/6X36B WR32/6X36B  
WR13/6X36B WR36/6X36B  
WR14/6X36B WR38/6X36B  
WR16/6X36B WR44/6X36B  
WR18/6X36B WR50/6X36B  
WR19/6X36B WR56/6X36B



**Construction: 6 x 36 IWRC (Galvanised Steel)**  
From 6 - 56mm

### Product Code

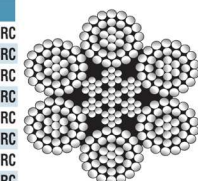
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WR08/6X36GIWRC WR22/6X36GIWRC  
WR09,0/6X36GIWRC WR24/6X36GIWRC  
WR10/6X36GIWRC WR26/6X36GIWRC  
WR11/6X36GIWRC WR28/6X36GIWRC  
WR12/6X36GIWRC WR32/6X36GIWRC  
WR13/6X36GIWRC WR36/6X36GIWRC  
WR14/6X36GIWRC WR38/6X36GIWRC  
WR16/6X36GIWRC WR44/6X36GIWRC  
WR18/6X36GIWRC WR50/6X36GIWRC  
WR19/6X36GIWRC WR56/6X36GIWRC



**Construction: 6 x 36 IWRC (Ungalvanised Steel)**  
From 6 - 38mm

### Product Code

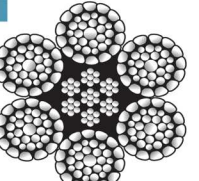
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WR08/6X36BIWRC WR19/6X36BIWRC  
WR09,0/6X36BIWRC WR20/6X36BIWRC  
WR10/6X36BIWRC WR22/6X36BIWRC  
WR11/6X36BIWRC WR24/6X36BIWRC  
WR12/6X36BIWRC WR26/6X36BIWRC  
WR13/6X36BIWRC WR28/6X36BIWRC  
WR14/6X36BIWRC WR32/6X36BIWRC  
WR16/6X36BIWRC WR38/6X36BIWRC



**Construction: 6 x 36 IWRC (Ungalvanised Steel)**  
Compacted From 22mm - 28mm

### Product Code

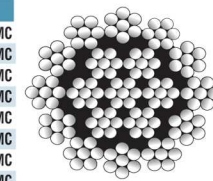
WR22/6X36BCIWRC  
WR24/6X36BCIWRC  
WR26/6X36BCIWRC  
WR28/6X36BCIWRC



**Construction: 19 x 7 WMC (Ungalvanised Steel)**  
From 9 - 28mm

### Product Code

WR06,0/19X7BWMC WR16/19X7BWMC  
WR08/19X7BWMC WR17/19X7BWMC  
WR09,0/19X7B WR18/19X7BWMC  
WR09,5/19X7B WR19/19X7BWMC  
WR10/19X7BWMC WR20/19X7BWMC  
WR11/19X7BWMC WR22/19X7BWMC  
WR12/19X7BWMC WR24/19X7BWMC  
WR13/19X7BWMC WR26/19X7BWMC  
WR14/19X7BWMC WR28/19X7BWMC  
WR15/19X7BWMC





# WIRE ROPES

## VITALIFT®



## STEEL WIRE ROPE

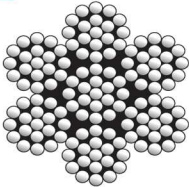
Steel wire ropes manufactured to various international standards.

Steel wire ropes are available in a variety of diameters, constructions and finishes. Ropes can be supplied in any length with end fittings as required

**Construction: 7 x 19 WMC (Galvanised Steel)**  
3.5 & 4mm

### Product Code

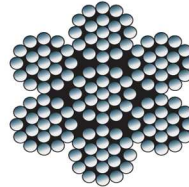
WR03,5/7X19G  
WR04/7X19G



**Construction: 7 x 19 WMC (Stainless Steel Gr304 & 316)** Gr 316 from 2 - 19mm

### Product Code

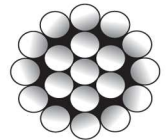
WR02,0/7X19S WR08/7X19S  
WR02,5/7X19S WR10/7X19S  
WR03,0/7X19S WR13/7X19S  
WR04/7X19S WR16/7X19S  
WR05/7X19S WR19/7X19S  
WR06,0/7X19S  
Gr 304 from 6 - 19mm  
WR06,0/7X19SS WR13/7X19SS  
WR08/7X19SS WR16/7X19SS  
WR10/7X19SS WR19/7X19SS



**Construction: 1 x 19 WMC (Galvanised Steel)**  
From 1 - 6mm

### Product Code

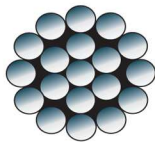
WR01,0/1X19G WR02,8/1X19G  
WR01,2/1X19G WR03,0/1X19G  
WR01,25/1X19G WR03,5/1X19G  
WR01,5/1X19G WR04/1X19G  
WR02,0/1X19G WR06,0/1X19G  
WR02,5/1X19G



**Construction: 1 x 19 WMC (Stainless Steel Gr316)** From 1 - 6mm

### Product Code

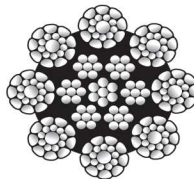
WR01,0/1X19S  
WR01,5/1X19S  
WR02,0/1X19S  
WR02,5/1X19S  
WR03,0/1X19S  
WR03,5/1X19S  
WR04/1X19S  
WR06,0/1X19S  
WR08/1X19S



**Construction: 8 x 19 Compacted (Ungalvanised Steel)** RHRL from 6.5 - 11mm

### Product Code

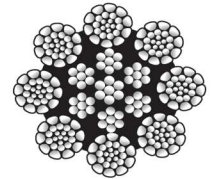
WR06,5/8X19BCIWRC  
WR07,5/8X19BCIWRC  
WR08/8X19BCIWRC  
WR09,0/8X19BCIWRC  
WR11/8X19BCIWRC  
LHRL  
from 8 - 11mm  
WR08/8X19BCIWRLHO  
WR09,0/8X19BCIWRLHO  
WR11/8X19BCIWRLHO



**Construction: 8 x 26 Compacted (Ungalvanised Steel)** From 13 - 20mm

### Product Code

WR12/8X26BCIWRC  
WR13/8X26BCIWRC  
WR14/8X26BCIWRC  
WR16/8X26BCIWRC  
WR18/8X26BCIWRC  
WR19/8X26BCIWRC  
WR20/8X26BCIWRC  
WR22/8X26BCIWRC  
WR24/8X26BCIWRC  
WR26/8X26BCIWRC  
WR32/8X26BCIWRC

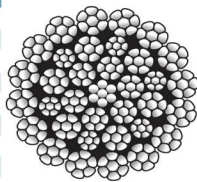


LHRL  
13 & 14mm  
WR13/8X26BCIWRLHO  
WR14/8X26BCIWRLHO

**Construction: 35 x 7 WMC Compacted (Ungalvanised Steel)** From 10 - 22mm

### Product Code

WR10/35X7BC WR19/35X7BC  
WR11/35X7BC WR20/35X7BC  
WR12/35X7BC WR21/35X7BC  
WR13/35X7BC WR22/35X7BC  
WR14/35X7BC WR23/35X7BC  
WR15/35X7BC WR24/35X7BC  
WR16/35X7BC WR25/35X7BC  
WR17/35X7BC WR26/35X7BC  
WR18/35X7BC

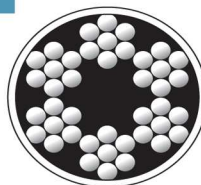


LHL  
WR16/35X7BCLHL WR18/35X7BCLHL  
WR17/35X7BCLHL WR21/35X7BCLHL

**Construction: PVC Clear Covered (Galvanised Steel)**  
2-3mm; 2.5-5mm; 3-5mm; 4-6mm; 6-8mm; 8-10mm

### Product Code

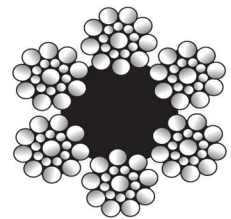
WR02,0/PVC3  
WR02,5/PVC5  
WR03,0/PVC5  
WR04/PVC6  
WR06,0/PVC8  
WR08/PVC10



**Construction: 8 x 19 FC (Ungalvanised Steel) Elevator Rope** From 8 - 16mm

### Product Code

WRE08/8x19B  
WRE10/8x19B  
WRE12/8x19B  
WRE13/8x19B  
WRE16/8x19B



**Construction: PVC Transparent Colour Covered (Galvanised Steel)**

2-3mm; 3-5mm; 4-6mm; 6-8mm; 8-10mm

### Product Code

WR02,0/PVC3Y  
WR03,0/PVC5R  
WR04/PVC6B  
WR06,0/PVC8G  
WR08/PVC100  
WR10/PVC12B



# WIRE ROPES



## STEEL WIRE ROPE SLINGS

Bespoke steel wire rope slings manufactured to suit your requirements.

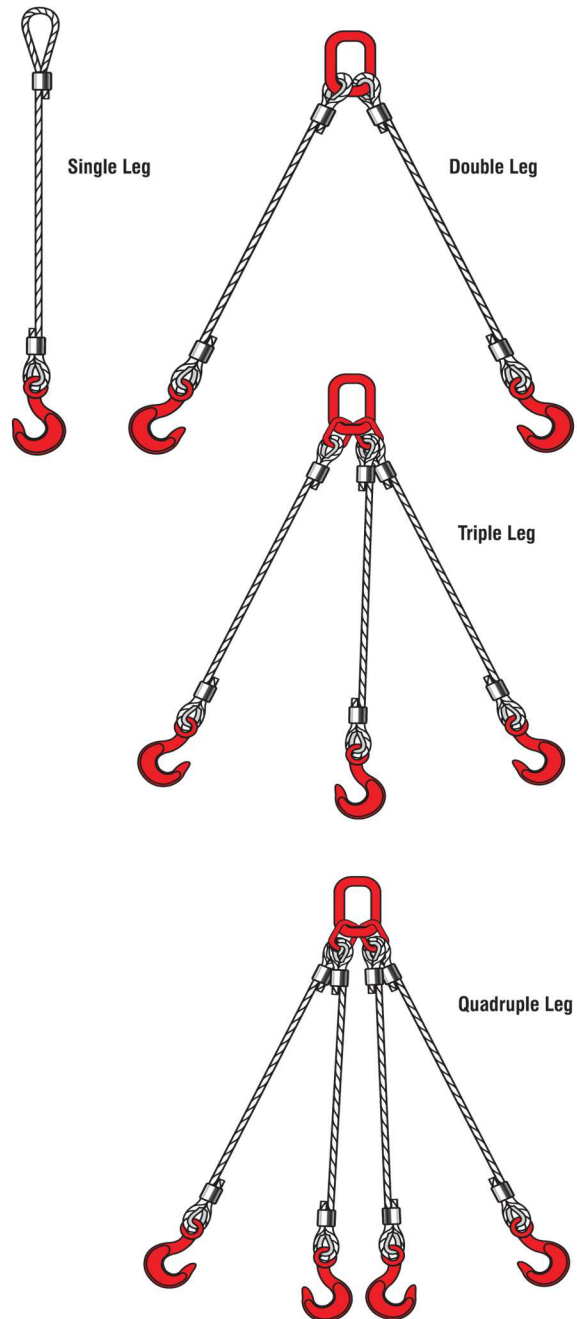
Working load limits in kg for 6X36 Afgrip steel wire rope slings

### Fibre Core (FC)

Rope Ø (mm)	Std. Soft Eye Size (mm)	Single Leg at 0°	Double Leg at 60°	Double Leg at 90°	Triple (45°) & Quadruple Leg at 90°
6	100	300	510	420	630
8	100	600	1020	840	1260
9	150	800	1300	1100	1600
10	150	1000	1700	1400	2100
11	150	1200	2000	1600	2500
12	200	1400	2300	1900	2900
13	200	1700	2800	2300	3500
14	250	2000	3400	2800	4200
16	250	2500	4200	3500	5200
18	300	3200	5400	4400	6700
19	350	3600	6100	5000	7500
20	350	4000	6800	5600	8400
22	350	4800	8100	6700	10000
24	400	5700	9600	7900	11900
26	400	6700	11300	9300	14000
28	450	7800	13200	10900	16300
32	600	10100	17100	14100	21200
36	750	12900	21900	18000	27000
38	750	14400	24400	20100	30200
44	900	19200	32600	26800	40300
50	1000	24800	42100	34700	52000
56	1200	31100	52800	43500	65300

### Independent Wire Rope Core (IWRC)

Rope Ø (mm)	Std. Soft Eye Size (mm)	Single Leg at 0°	Double Leg at 60°	Double Leg at 90°	Triple (45°) & Quadruple Leg at 90°
6	100	350	595	490	735
8	100	700	1190	980	1470
9	150	800	1300	1100	1600
10	150	1100	1800	1500	2300
11	150	1300	2200	1800	2700
12	200	1500	2500	2100	3100
13	200	1800	3000	2500	3700
14	250	2100	3500	2900	4400
16	250	2800	4700	3900	5800
18	300	3500	5900	4900	7300
19	350	3900	6600	5400	8100
20	350	4300	7300	6000	9000
22	350	5200	8800	7200	10900
24	400	6200	10500	8600	13000
26	400	7200	12200	10000	15100
28	450	8400	14200	11700	17600
32	600	11000	18700	15400	23100
36	750	13900	23600	19400	29100
38	750	15500	26300	21700	32500
44	900	20700	35100	28900	43400
50	1000	26800	45500	37500	56200
56	1200	33500	56900	46900	70300



SWRS-Ver01.001



# DOWN SHOP LEADS

## 60A, 100A & 250A Safebar



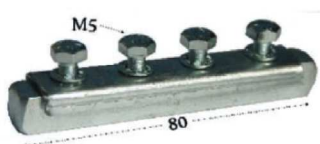
**Safebar 100 Series Conductor Bar**

Standard lengths of 4.5m

Weight: (100A) 2.5Kg / 4.5m  
(250A) 3.0Kg / 4.5m

Shroud: PVC UV stabilized

Conductor: Galvanized steel / Copper



**Safebar 100 Series Joint**

Material: Galvanized 10mm BMS

Weight: 80g



**Safebar 100 Series Joint Cover**

Material: ABS

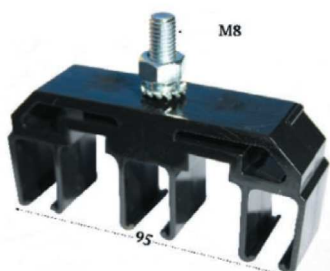
Weight: 20g



**Safebar 100 Series Single Hanger Clamp**

Material: Polycarbonate

Weight: 15g



**Safebar 100 Series 3P Cluster Hanger Clamp**

Material: Polycarbonate

Weight: 60g



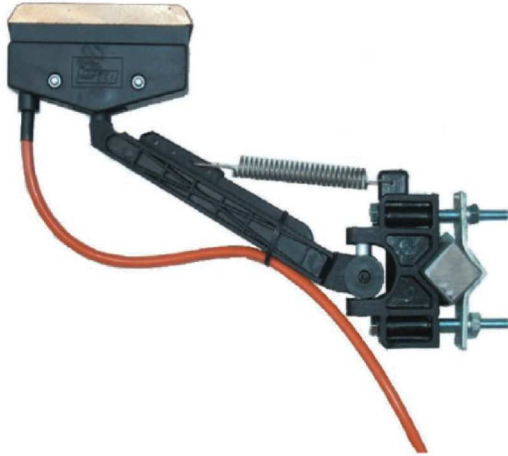
**Safebar 100 Series 3P Compact Cluster Hanger Clamp**

Material: Polycarbonate

Weight: 60g

# DOWN SHOP LEADS

## Safebar Collectors



**Safebar 50A Collector**

**Part Number: 50NC**

**Weight: 0.4Kg**

**Material: GFN, ABS Plastics**

**Fits 60A and 100A Safebar**



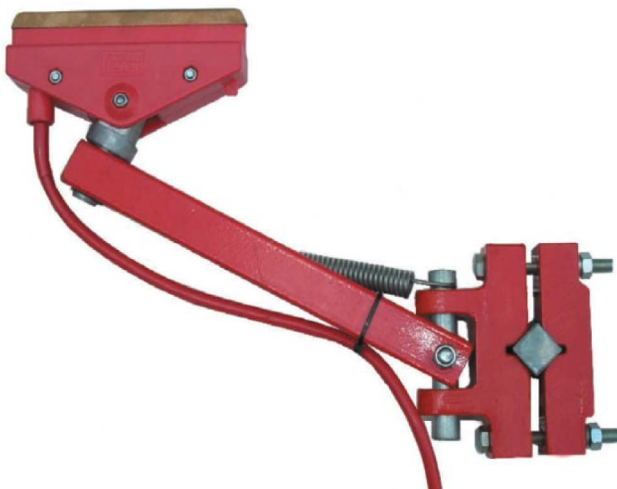
**Safebar 100A Collector**

**Part Number: 100N4C**

**Weight: 0.8Kg**

**Material: ABS Plastic, Mild Steel**

**Fits 100A, 150A and 250A**



**Safebar 200A Collector**

**Part Number: 200NC**

**Weight: 1.5Kg**

**Material: ABS, Aluminium**

**Fits 150A and 400A Safebar**

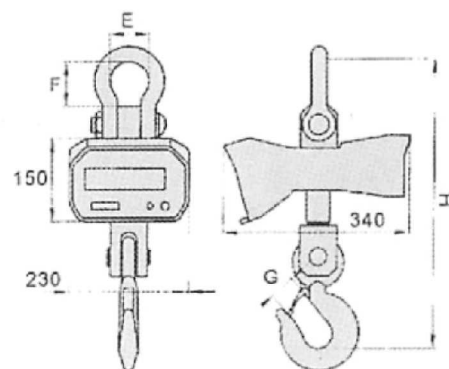
**All collectors available in Tandem format if required**



# ELECTRONIC SCALE

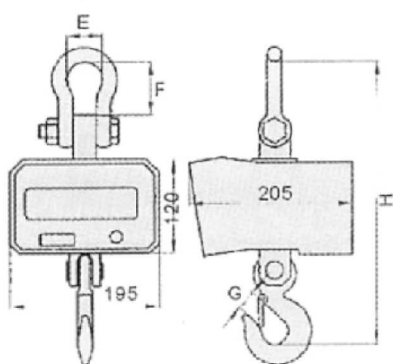
## Super-bright LED

Monitoring the battery voltage in scale  
in automat  
Turned off automatically after 1.5 hours  
non working

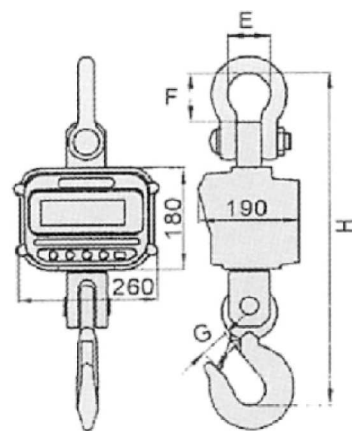


## ONE-SIDE DISPLAY TYPE

Capacity (t)	Grade (kg)	Division Numbers	Net Weight (kg)	Dimensions (mm)			
				E	F	G	H
1000	1	2000	17	55	65	35	480
2000	1	3000	17	55	65	35	480
5000	2	2500	25	90	110	45	630
10000	5	2000	34	100	120	55	700
15000	5	3000	68	150	220	60	900
20000	10	2000	78	150	220	75	950



100kg-3000kg



5000kg-10000kg

## LIGHT-WEIGHT TYPE

Capacity (t)	Grade (kg)	Division Numbers	Net Weight (kg)	Dimensions (mm)			
				E	F	G	H
100	0.05	2000	10	45	60	20	360
200	0.1	2000	10	45	60	20	360
300	0.1	3000	10	45	60	20	360
500	0.2	2500	10	45	60	20	360
1000	0.5	2000	12	55	65	35	420
2000	1.0	2000	12	55	65	35	420
3000	1.0	3000	12	55	65	35	420
5000	2.0	2500	21	75	90	45	660
10000	5.0	2000	30	90	110	55	680



# SAFETY & HARNESSSES



## #8 Full Body Safety Harness (3 d'ring)

Fall arrest - Work Positioning - Parachute type

- Adjustable waist, permanently attached
- Adjustable leg straps, padded leg straps
- Adjustable shoulder straps
- Padded dorsal d'ring
- 44mm Webbing UV treated
- Chest strap - 25mm standard 35mm 45mm 45mm Fall arrest
- Sizes available (small - XX-large)
- Battery stops on waist belt
- Work positioning attachment points on waist belt

Manufactured to SANS 50361



## #7 Full Body Safety Harness

Fall arrest - Mining - Parachute type

- Adjustable waist, padded waist
- Adjustable leg straps, padded leg straps
- Adjustable shoulder straps
- Padded dorsal d'ring
- 44mm Webbing UV treated
- Chest strap - 25mm standard 35mm 45mm 45mm Fall arrest
- Sizes available (small - XX-large)
- Standing step in pouch on waist belt

Manufactured to SANS 50361



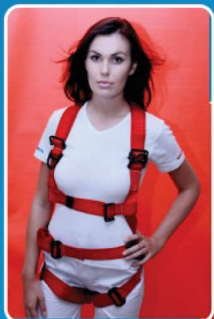
## Ultimate BHP Billiton

### Full Body Safety Harness

Fall arrest - Work Positioning - Front & Rear attachment - Parachute type

- Horizontal leg straps
- Adjustable leg straps
- Adjustable shoulder straps
- Dorsal fall arrest d'ring
- Sternal fall arrest d'ring on chest strap
- Padded shoulders
- Sizes available (small - XX-large)
- Padded legs
- Padded under leg buckles
- Quick release buckles
- 44mm webbing - UV treated

Manufactured to SANS 50361, 50358



## #23 Anglo Plats - SURFACE Full Body Safety Harness

Fall arrest - Mining - Parachute type

- Adjustable waist, permanently attached
- Adjustable leg straps, padded leg straps
- Adjustable shoulder straps
- Triangle back padding
- 44mm Webbing UV treated
- Chest strap - 45mm Floating buckle
- Sizes available (small - XX-large)
- D ring on shoulder straps
- Standing step in pouch on waist belt
- Battery straps on waist belt (strapping)
- Hologram - Spiderwebb

Manufactured to SANS 50361



## #23 Anglo Plats - UNDERGROUND Full Body Safety Harness

Fall arrest - Mining - Parachute type

- Adjustable waist, permanently attached
- Adjustable leg straps, padded leg straps
- Adjustable shoulder straps
- Triangle back padding
- 44mm Webbing UV treated
- Chest strap - 45mm Floating buckle
- Sizes available (small - XX-large)
- D ring on shoulder straps
- Standing step in pouch on waist belt
- Battery straps on waist belt (strapping)
- Hologram - Spiderwebb

Manufactured to SANS 50361



Double legged - Shock absorbing Lanyards  
Double action scaffold hooks

- Fall arrest
- Permanently attached to harness
- 36 - 44mm webbing - UV treated
- Quick link carabiner

Manufactured to SANS 50355



Double legged - Shock absorbing Lanyards  
Double action snap hooks

- Fall arrest
- Permanently attached to harness
- 36 - 44mm webbing - UV treated
- Quick link carabiner

Manufactured to SANS 50355



Restraint Lanyard

- Double legged lanyard
- Use for restraint only

Manufactured to SANS 50354

At FB Cranes we focus on ensuring the safety of our clients and staff when working at heights.

We supply highest quality SABS 50361 approved full body harnesses which are highly visible, UV protected and comfortable to wear all day.

"save lives one harness at a time"





# TECHNICAL BACK UP

  
**DEPARTMENT  
OF LABOUR**  

## Certificate

This is to certify that

**FB CRANES BUILDERS & REPAIRS (PTY) LTD**

has been approved in terms of  
Driven Machinery Regulation 18(5)  
of the  
Occupational Health and Safety Act, Act 85 of 1993  
Examining and testing of lifting machinery and lifting tackle

Scope of Approval:

- Overhead Cranes
- Jib Cranes
- Manual Chain Blocks
- Electrical hoists
- Lever hoists
- Lift truck
- Mobile Cranes
- Truck mounted cranes
- Lifting tackle
- Beams trolley
- Pneumatic hoists

Signed on: 20/8/2015  
Chief Inspector:  
No: LME 095



Certificate

Number: SHEQ 149  
Certificate Reference: F20-001- Rev 03- 12/01/2015  
Valid from: 11/08/2018  
Valid until: 10/08/2021

**SHEQ National CERT (Pty) Ltd**  
certifies that

  
**FB Crane Builders and Repairs (Pty) Ltd**  
3/378 Bergvlei Road  
Wadeville  
Germiston  
Gauteng  
South Africa

For the scope

The Design and development, manufacturing, sales, installation, repairs and maintenance of overhead cranes and lifting equipment.

has implemented and applies a quality management system which is in compliance with the requirements of


**ISO 9001:2015**

**SHEQ National CERT (Pty) Ltd**  
18 Rietbos Avenue  
Glen Marais: 1619  
Tel: +27 11 972 7131  
Cell: 082 751 2346  
Email: johanna@mwweb.co.za  
Website: Sheqnationalcert.co.za

**SHEQ National CERT (Pty) Ltd**

  
Johann van der Merwe  
Managing Director



  
**LEEASA**  


## CERTIFICATE

This is to certify that


*FB Crane Builders & Repairs (Pty) Ltd*

is a member of the

**LIFTING EQUIPMENT ENGINEERING ASSOCIATION of SOUTH AFRICA**

  
Chairperson. Mr K Greenwood  
8000183  
Membership Number.

  
Secretary. Mr R T Vogt  
01/01/2006  
Date.

  
Affiliated to  
**The Chamber of Engineering Technology**  
(Association not for Gain)

*Membership is subject to yearly renewal. Validity may be checked with LEEASA.*  
This certificate is subject to the rules and regulations of the association.  
LEEASA is an association not for gain.

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# INSPECTIONS

Preventative maintenance has always been one of the most important services provided by the Company. We are often able to detect potential problems and institute corrective action prior to breakdowns occurring thereby maximising production capabilities of our customers. We have instituted a Crane Management System to assist us in maintaining updated records of customer service and load testing requirements from a timing point of view as well as to provide valuable information regarding equipment at each of our customers. This allows us to pre-empt spare requirements should customers experience breakdowns resulting in faster response in these instances.



# END CARRIAGES



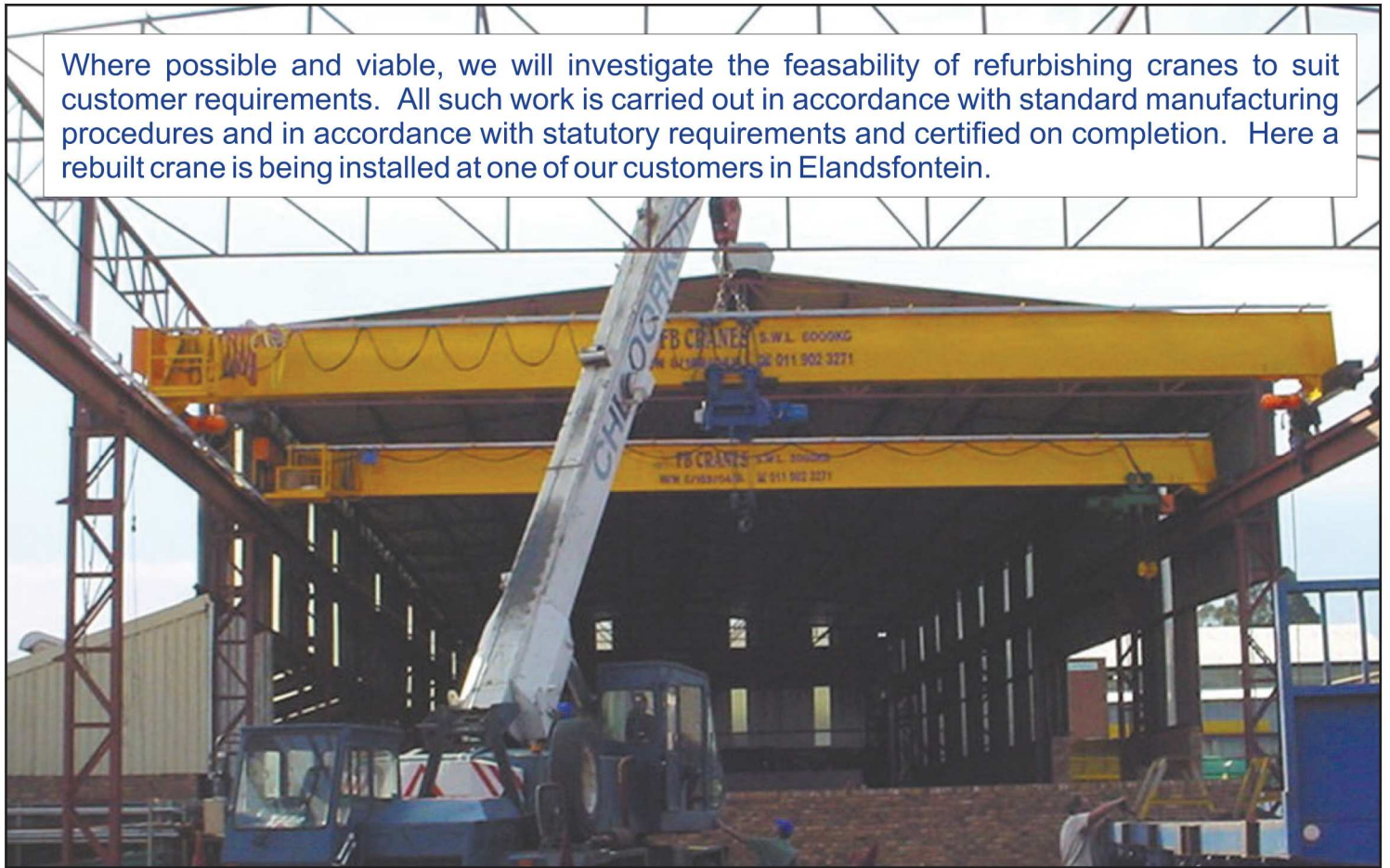
At FB Cranes we manufacture all structural components for our overhead cranes including end carriages. Motors and gearboxes are outsourced and of German design and manufacture. The bogeys are all manufactured and assembled at our Wadeville factory and designed to meet all load specifications. An example on an End Carriage with Motor and Gearbox mounted in a vertical position.



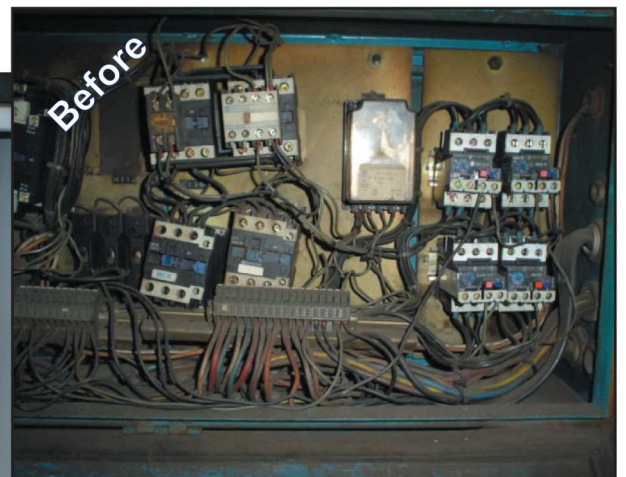
# REFURBISHMENTS & UPGRADES

## Crane Refurbishment

Where possible and viable, we will investigate the feasibility of refurbishing cranes to suit customer requirements. All such work is carried out in accordance with standard manufacturing procedures and in accordance with statutory requirements and certified on completion. Here a rebuilt crane is being installed at one of our customers in Elandsfontein.



## Electronic Panel



At our workshop in Wadeville, we manufacture new electrical panels to customised specifications.

Repairs/refurbishment of panels is also carried out and a "before" and "after" example is shown here.



# LOAD TESTING

In this photograph, a 22/5t Electric Over-head Crane is set up in our Wadeville Factory ready for final testing prior to dispatch. This test was witnessed by the end user as well as other FB Cranes customers who were also taken on a tour of our facility and participated in valuable interaction with staff and management.





# MOBILE LOAD TEST RIG

Inspection, Loadtesting and certification of lifting equipment has been a part of our core business for many years. We have in excess of 100 ton certified weights and load cells available in this field.

RIGHT & BELOW: We recently identified a need for an "on-site" testing of such equipment. A test rig was designed and built in-house and is now fully operational and available for hire. Contact us for more detail in this regard.





# DOUBLE GIRDER CRANES

Crane Installation: - A new 10 ton Electric Overhead Crane successfully installed at a customer's premises.



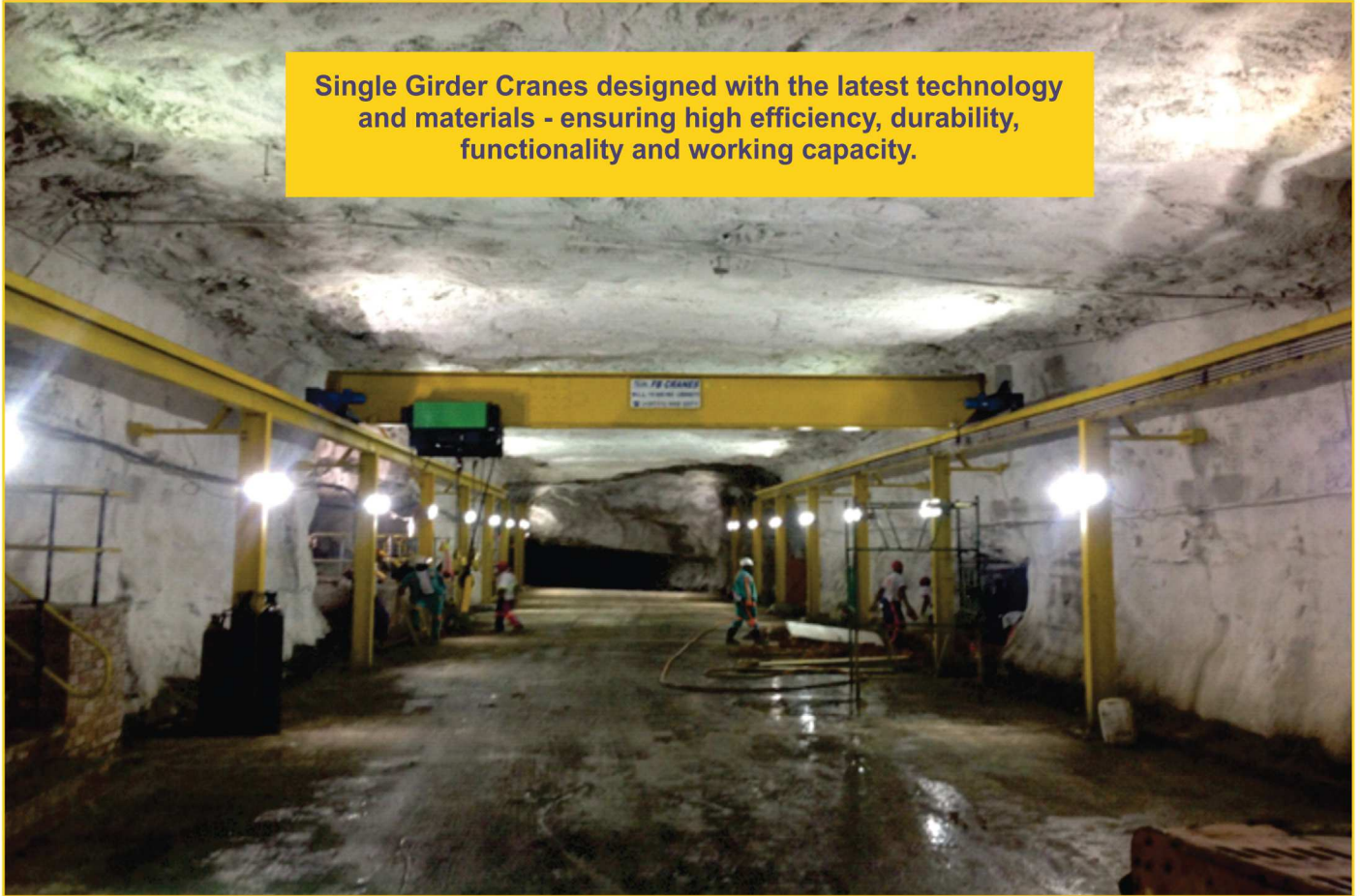
Designed, Manufactured and tested according to customer specifications, all under one roof.





# SINGLE GIRDER CRANES

Single Girder Cranes designed with the latest technology and materials - ensuring high efficiency, durability, functionality and working capacity.



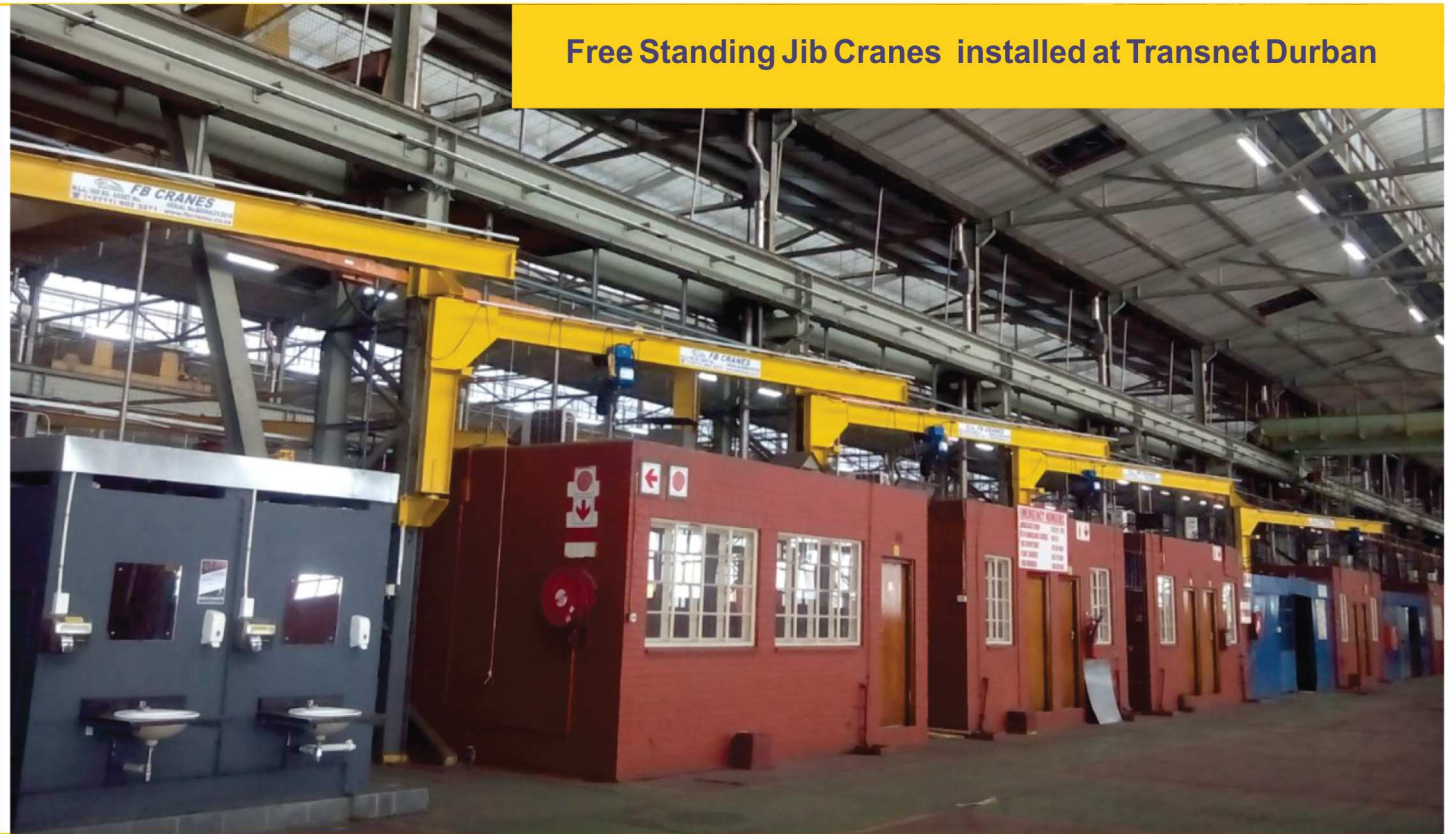
We have an active interest in the mining industry in South Africa and our Rustenburg Branch has been specifically set up to accommodate a small portion of this industry. It is our aim to expand this market in the short term. The above photograph shows a single girder electric overhead crane and gantries installed deep underground at a prominent gold mine.





# JIB CRANES

Free Standing Jib Cranes installed at Transnet Durban



Jib Cranes often provide an alternative solution where customers are restricted in space or where overhead cranes are not practical.

Over the years, we have designed and erected many Jib Cranes, these are some examples.



# PORTAL CRANES

## FULL-PORTAL CRANE



These types of cranes offer solutions especially in open air environments where gantry structures are not necessarily available.

In Full Portal format, the crane runs on floor or ground mounted rails while in Semi-Portal format, one side will run on a raised gantry while the other side runs on floor/ground mounted rail. Examples of these are shown here.

## SEMI-PORTAL CRANE





# TURN KEY PROJECTS



During 2007, work at a new mining site commenced. The project entailed all design, manufacture and erection of a complete workshop building including a 10 ton capacity double girder electric overhead crane. All manufactured equipment and structural steel was transported from our premises in Wadeville to the construction site. Needless to say this project paved the way for further projects of the same nature.



In 2013 FB Crane Builders & Repairs was awarded the contract to design, manufacture and erect new facilities for a heavy / precision engineering company in the Tshwane area.

This project was completed and proudly handed over at the end of 2013.



# TURN KEY PROJECTS



Our Head Office factory premises in Wadeville has recently been expanded and additional manufacturing facilities added to the existing facilities, effectively doubling our manufacturing capacity.

All design, structural steel-work manufacture and erection was performed by our own staff.

We are now able to accommodate longer cranes as well as better serve our customers in the years to come.





# LIFTING ATTACHEMENTS



Where customers have special requirements for which "off the shelf equipment is not available, we will investigate and design a solution specific to that requirement. Here are some examples of special equipment manufactured by FB Cranes.





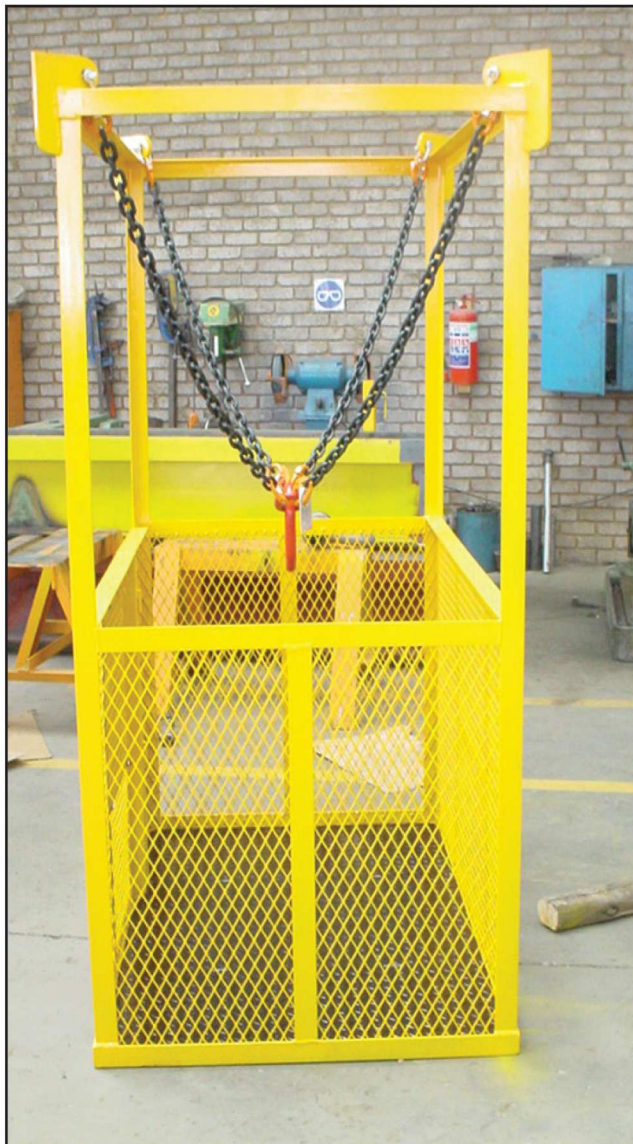
# MAN CAGES

## Design & Manufacture of Man Cages

Man Cage design and manufacture is done according to Department of Labour regulations.

All designs are catered for and we will design and build equipment to cater for all our client's specific needs in this respect.

The cages are supplied with full certification and design drawings as required.





# ENTHUSIASTIC STAFF







**HEAD OFFICE**  
 3/378 Bergvlei Road  
 Wadeville Ext 4  
 GERMISTON  
 Tel: 011 902 3271  
 Fax: 011 902 3907  
 e-mail: [info@fbcranes.co.za](mailto:info@fbcranes.co.za)



**Amandla**

**RUSTENBURG**  
 Unit 1 Acbo Industrial Park  
 95 Heever Street  
 RUSTENBURG

website: [www.fbcranes.co.za](http://www.fbcranes.co.za)

