



# Heavy Duty Lifting

LME and LMI registered

Your satisfaction is our blessing. All things are possible through Jesus Christ.

## PRODUCT CATALOGUE

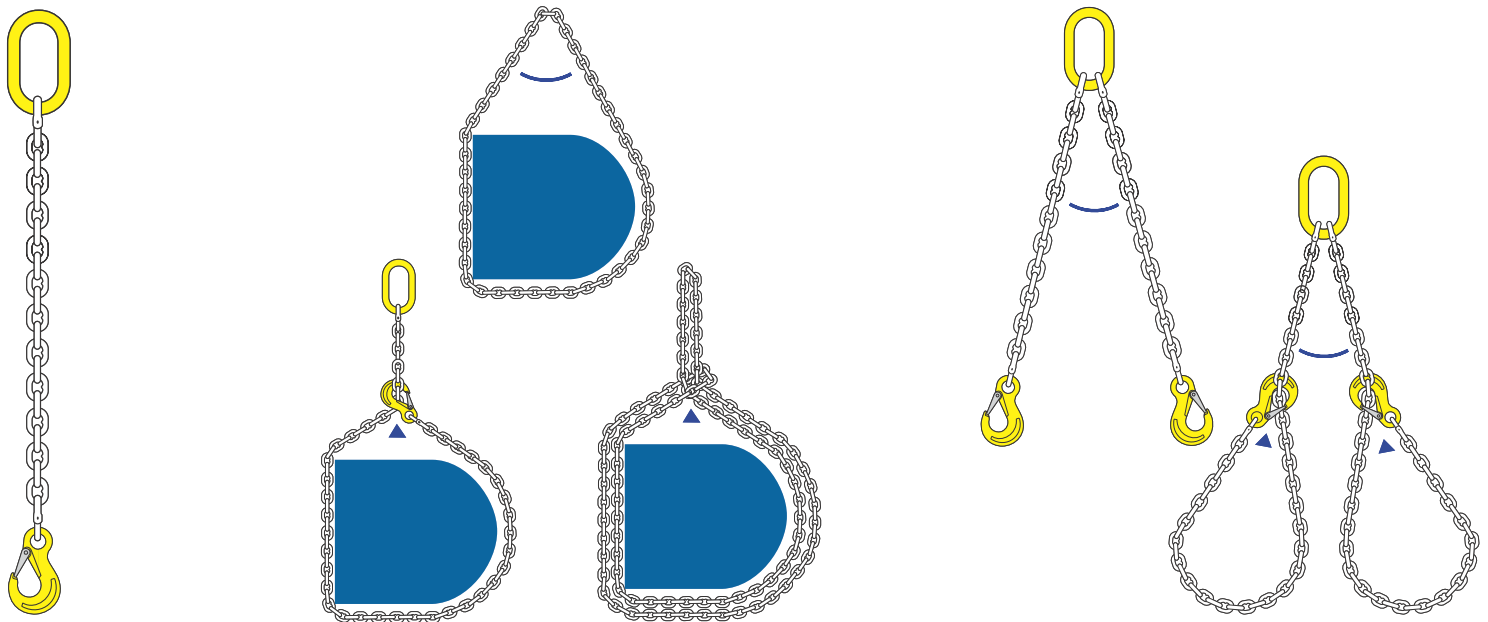


Breakdown and repairs 24/7/365

# PERFORMANCE

WORKING LOAD LIMITS (WLL)  
IN METRIC TONS

Chain size mm	Single Straight Sling	Single Choke Hitch	Single Endless Basket Sling	Reeved Endless Sling	Double Branch Straight Sling			Double Branch Choke Hitch Sling @ 90°
					60°	90°	120°	
6.0	1.20	0.96	1.60	1.92	2.04	1.68	1.20	1.32
7.0	1.60	1.28	2.13	2.56	2.72	2.24	1.60	1.76
8.0	2.00	1.60	2.60	3.20	3.40	2.80	2.00	2.20
10.0	3.20	2.56	4.27	5.12	5.44	4.48	3.20	3.52
13.0	5.40	4.32	7.20	8.64	9.18	7.56	5.40	5.94
16.0	8.20	6.56	10.93	13.12	13.94	11.48	8.20	9.00
20.0	12.80	10.24	17.06	20.48	21.76	21.76	12.80	14.08
22.0	15.50	12.40	20.66	24.80	26.35	21.70	15.50	17.05
25.5	21.70	17.36	28.93	34.72	36.89	30.38	21.70	23.87
32.0	32.80	26.24	43.72	52.48	55.76	45.92	32.80	36.08
Load Factor	1.0	0.8	1.3	1.6	1.7	1.4	1.0	1.1



■ Symbol WLL applies to both rectangular and circular loads.

▲ Symbol indicates nip angle - which must not exceed 120°

N.B. When a Grab Hook is used as the end fitting, the Working Load Limit will be the same as for Choke Hitch

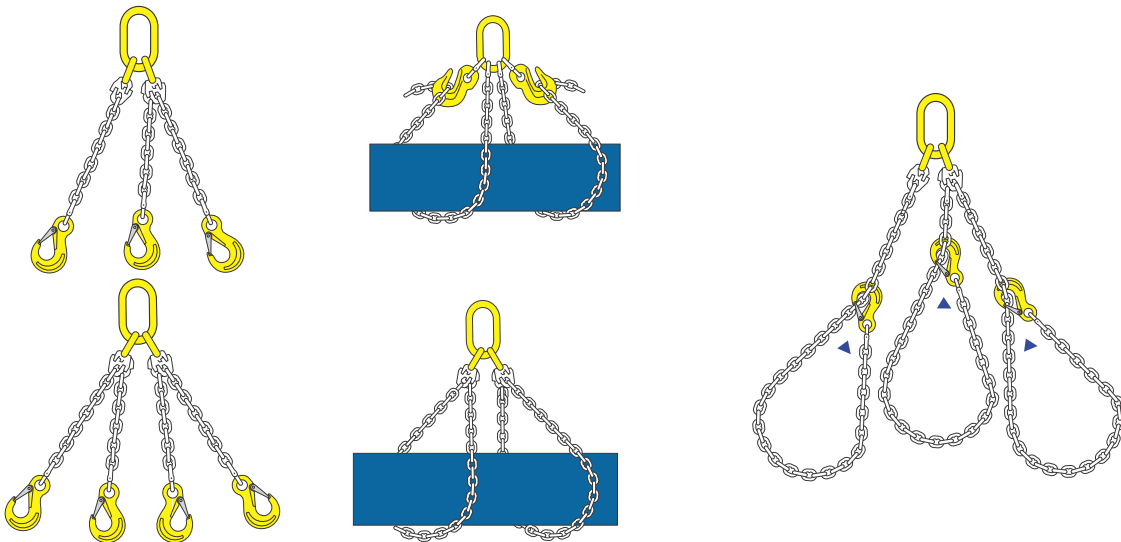
These maximum Working Load Limits apply to chain and chain slings used under ideal service conditions.

Where service conditions are less than ideal, the WLL may not apply in which case it will be necessary to select a larger size chain to suit the assessed working conditions

# PERFORMANCE

Inufa Lifting Gr8 Chain is designed and manufactured primarily for Chain Slings for lifting and load handling purposes and it is recommended that only Slings be used in those cases where the protection of personnel and equipment is of paramount importance. In deciding on the size of Chain Sling required, very careful consideration must be given to the angle of inclination between the chains at the point of suspension and particularly in the case of choke hitches (▲). As this angle increases, there is a decrease in the Working Load Limit of the Chain Sling as shown in the tabulations of these pages. Use the widest included angle between any 2 legs to establish the applicable WLL.

Chain size mm	Triple & Quad Branch Straight and Basket Slings			Triple & Quad Branch Choke Hitch Slings 90°
	60°	90°	120°	
6.0	3.12	2.52	1.80	2.00
7.0	4.16	3.36	2.40	2.70
8.0	5.20	4.20	3.00	3.40
10.0	8.32	6.72	4.80	5.43
13.0	14.04	11.34	8.10	9.16
16.0	21.32	17.22	12.30	13.90
20.0	33.28	26.88	19.20	21.72
22.0	40.30	32.55	23.25	26.30
25.5	56.42	45.57	32.55	36.82
32.0	85.28	68.88	49.20	55.66
Load Factor	2.6	2.1	1.5	1.7



## Effect of hazardous conditions

### Extreme Heat Conditions

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

### Heat Treatment

Inufa Lifting Gr8 chains and fittings do not require periodic heat treatment and must never be reheat-treated other than by Inufa Lifting.

## Surface Coating

Inufa Lifting Gr8 slings should not be galvanised or subjected to other plating processes without the express approval of the manufacturer. please contact Inufa Lifting for detailed recommendations.

### Corrosive Conditions

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

# SPECIAL SLING TYPES

## SINGLE CHAIN SLINGS



Style A

TYPE SOS  
SINGLE  
ADJUSTABLE



TYPE SOG  
GRAB  
HOOK



TYPE SOG  
CLEVIS  
GRAB HOOK



TYPE SOS  
CLEVIS  
SAFETY HOOK



TYPE SOF  
FOUNDRY  
HOOK



TYPE SOS  
SAFETY  
HOOK

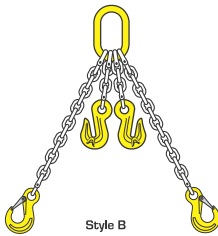


TYPE SOSL  
SELF-LOCKING  
HOOK

## DOUBLE CHAIN SLINGS

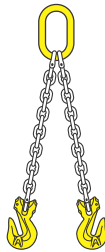


SINGLE  
BASKET

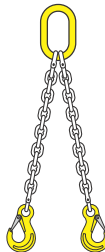


Style B

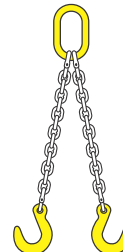
TYPE DOS  
DOUBLE  
ADJUSTABLE



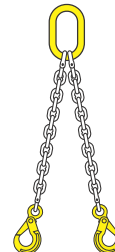
TYPE DOG  
CLEVIS  
GRAB HOOK



TYPE DOS  
SAFETY HOOK

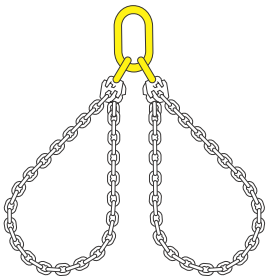


TYPE DOF  
FOUNDRY HOOK

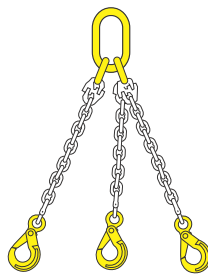


TYPE DOSL  
SELF-LOCKING

## TRIPLE & QUAD CHAIN SLINGS



DOUBLE BASKET

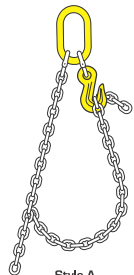


TYPE TOSL  
SELF-LOCKING  
HOOK



TYPE QOS  
SAFETY HOOK

## SINGLE ADJUSTABLE LOOP CHAIN SLINGS

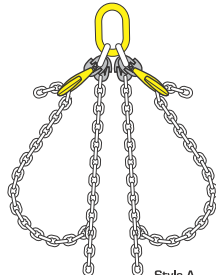


Style A

SINGLE ADJUSTABLE LOOP

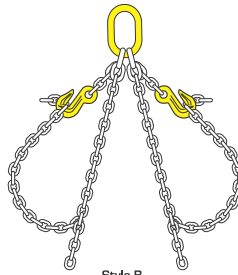


Style B



Style A

DOUBLE ADJUSTABLE LOOP



Style B

## DOUBLE ADJUSTABLE LOOP CHAIN SLINGS

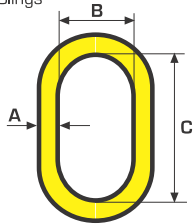
# MASTER LINKS

## SPECIAL MASTER LINKS, RINGS AND PEAR SHAPED LINKS MANUFACTURED UPON REQUEST

All dimensions are expressed in mm and are subject to commercial tolerances

### OBLONG MASTER LINKS:

For Single and Two Leg Chain Slings



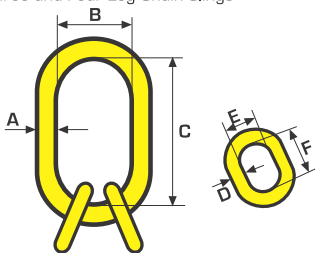
Oblong Link MA-	A mm	B mm	C mm	Mass Each kg	Single Types SOS, SOG, SOF, CO	Double types DOS, DOG of Single adjustable Loop & Single Basket
06	10.0	40	80	0.15	6.0	6.0
0806	14.0	60	125	0.46	7.0	7.0
1008	16.0	75	150	0.72	10.0	-
1310	20.0	90	160	1.25	13.0	10.0
1613	25.5	102	190	2.41	16.0	13.0
2016	32.0	140	240	4.88	20.0	16.0
2220	40.0	155	280	8.87	22.0	20.0
2622	45.0	175	320	12.77	26.0	22.0
3226	50.0	195	350	17.35	32.0	25.5
3632	60.0	220	410	29.15	-	32.0

100% proof tested and 3% magnetic particle crack detected in accordance with EN 1677-1&4

### OBLONG MASTER LINKS

#### SUB-ASSEMBLIES:

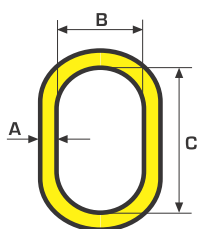
For Three and Four Leg Chain Slings



Sub Assembly MA-	SIZE OF MASTER LINK IN mm			SIZE OF COUPLING LINK IN mm			MASS EACH IN kg	MA CHAIN SIZE IN mm
	A	B	C	D	E	F		
06SA	14.0	60	125	10.0	16	30	0.6	6.0
08SA	20.0	90	90	13.0	35	60	1.7	7.0
10SA	25.5	102	102	16.0	40	80	3.3	10.0
13SA	32.0	140	140	22.0	50	90	6.8	13.0
16SA	40.0	155	155	28.0	60	100	12.5	16.0
20SA	45.0	175	175	32.0	75	125	18.5	20.0
22SA	50.0	195	195	40.0	80	140	27.5	22.0
26SA	60.0	220	220	45.0	90	165	44	25.5
32SA	70.0	250	250	50.0	100	195	65.4	32.0

100% proof tested and 3% magnetic particle crack detected in accordance with EN 1677-1&4

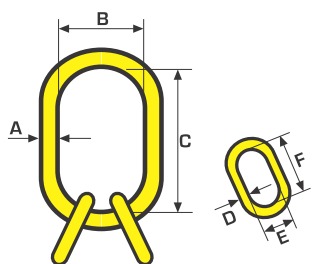
### ENLARGED OBLONG MASTER LINKS



OBLONG LINK MA-	SIZE OF OBLONG LINK IN mm			WLL tonne	MASS kg/unit
	A	B	C		
16ML	16	75	150	3.9	0.7
22MLS	22	90	162	8.6	1.5
23 ML	22	140	270	5.6	2.3
28 MLS	28	110	200	14.5	3.0
26 ML	28	140	270	11.4	3.8
32 ML	32	140	270	16.9	5.1
36 ML	36	140	270	23.1	6.5
40 ML	40	155	280	29.0	8.5
45 ML	45	175	320	36.5	12.2
45 MLL	45	265	490	24.7	17.8
50 ML	50	195	350	45.2	16.6
60 ML	60	220	410	63.0	29.2
70 ML	70	250	450	88.6	44.3

100% proof tested and 3% magnetic particle crack detected in accordance with EN 1677-1&4

### ENLARGED OBLONG MASTER LINKS SUB-ASSEMBLIES

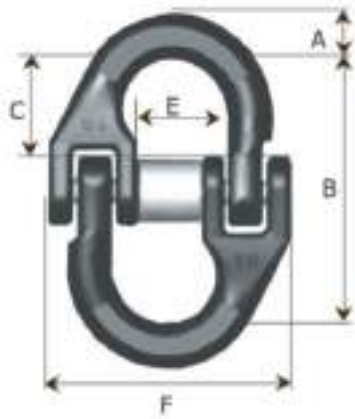


SUB ASSEMBLY MA-	SIZE OF MASTER LINK IN mm			SIZE OF COUPLING LINK IN mm			WLL tonne	MASS kg/unit
	A	B	C	D	E	F		
16 QA	16	75	150	13	50	90	3.9	1.3
22 QAS	22	90	162	20	70	140	8.6	3.6
23 QA	22	140	270	16	75	150	5.6	3.8
28 QAS	28	110	200	22	70	140	14.5	5.5
26 QA	28	140	270	20	70	140	11.4	5.9
32 QA	32	140	270	25.5	102	190	16.9	9.7
36 QA	36	140	270	28	90	185	23.1	11.9
40 QA	40	155	280	32	110	200	29.0	16.4
45 QA	45	175	320	36	125	225	36.5	23.5
45 QA	45	265	490	30	90	185	24.7	24.1
50 QA	50	195	350	40	130	260	45.2	32.3
60 QA	60	220	410	50	195	350	59.9	63.9
70 QA	70	250	450	60	220	410	84.7	102.6

100% proof tested and 3% magnetic particle crack detected in accordance with EN 1677-1&4

# ENGINEERED FITTINGS, HOOKS

ALL DIMENSIONS ARE EXPRESSED IN mm AND ARE SUBJECT TO COMMERCIAL TOLERANCES



## INUFA LIFTING CONNECTING LINK / HAMMER LOCK

CHAIN SIZE	6	7-8	10.0	13.0	16.0	20.0	22.0	26	32.0
LINK NUMBER & MARKETING	218	7-8	10	13	16	20	22	26	32
A	6	9	12	16	20	23	26	31	40
B	36	53	69	88	105	124	137	161	210
C	11	20	27	35	41	48	54	63	85
E	10	17	25	31	35	44	50	56	171
F	34.5	52.6	68.1	85.5	98.6	19.0	38.6	66.8	211.0
DIA HOLE TO ACCEPT MALE LEG	13	14	19	23	27	32	34	40	51
APPROX MASS EACH - kg	0.05	0.15	0.3	0.65	1.1	1.85	2.9	4.8	8.54

E = material diameter of largest link intended to be used with 100 % proof tested and 3% MPI



## INUFA LIFTING Gr8 ALLOY CHAIN

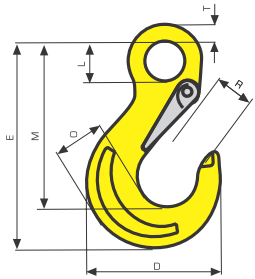
CHAIN SIZE - d (nom)	6.00	7.00	8.00	10.00	13.00	16.00	20.00	22.00	25.50	32.00
INSIDE LINK LENGTH	18.00	21.00	24.00	30.00	39.00	48.00	60.00	66.00	78.00	96.00
OUTSIDE WIDTH-max	22.20	25.90	29.60	37.00	48.10	59.20	74.00	81.40	96.20	118.00
APPROX. LINKS per m	55.60	47.00	41.70	33.30	25.60	20.80	16.70	15.20	12.80	10.40
APPROX. kg per meter	0.80	1.09	1.43	2.22	3.76	5.70	8.90	10.77	15.04	22.79
WLL - t	1.20	1.60	2.00	3.20	5.40	8.20	12.80	15.50	21.70	32.80

Inufa Lifting and batch/traceability marks, the mark of Inufa Lifting quality grade 800 (T) chain, the grade that should always be used for sling or lifting applications.

Larger Chain sizes 36.0 to 70.0 mm available on request  
100% proof tested

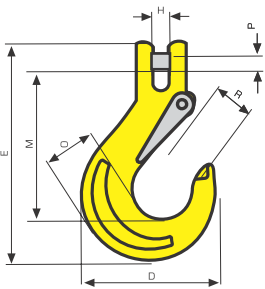
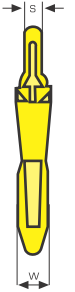
# ENGINEERING FITTINGS / HOOKS

ALL DIMENSIONS ARE EXPRESSED IN mm AND ARE SUBJECT TO COMMERCIAL TOLERANCES



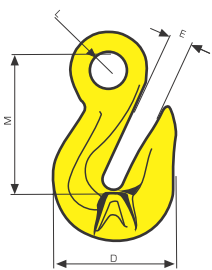
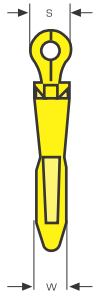
EYE SAFETY SLING HOOKS											
Chain Size mm	Hook Number	D mm	L mm	M mm	E mm	R mm	O mm	W mm	T/S mm	MASS kg	Identification Markings
6.0	HA-218	84	19	7832	100	25	20	20	10	0.37	CM Max-alloy
7.0	7/8	88	24	104	132	23	32	19	11	0.5	Batch, Size, Gr
10.0	10	108	31.5	132	165	29	41	24.6	14	0.9	Batch, Size, Gr
13.0	13	130	38	160	199	34	49	30	17	2.1	Batch, Size, Gr
16.0	16	152	44.5	186	233	32	58	35	23	3.5	Batch, Size, Gr
20.0	20	172	56	210	263	53	65	42	24	5.4	Batch, Size, Gr
22.0	HA-320	218	43	222	295	71	82	49	30	8.0	22 CM Max-alloy
25.5	HA-330	244	48	250	310	79	90	54	36	10.5	26 CM Max-alloy
32.0	HA-350	287	59	292	365	98	102	62	38	20.0	32 CM Max-alloy

EN 1677-2

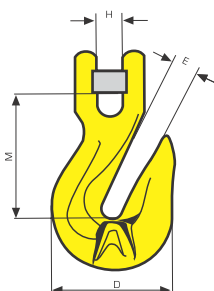
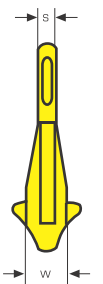


CLEVIS SAFETY SLING HOOKS											
Chain Size mm	Hook Number	D mm	H mm	M mm	E mm	R mm	O mm	W mm	MASS kg	Identification Markings	S mm
7.0	7/8	88	9	93.5	137	23	32	19	0.3	Batch, Size, Gr	23
10.0	10	108	13.3	115.6	171	29	41	24.6	0.9	Batch, Size, Gr	31
13.0	13	130	16	139	206	34	49	30	2.0	Batch, Size, Gr	37.5
16.0	16	152	19	162	241	42	58	35	2.4	Batch, Size, Gr	44
20.0	20	172	22	184	274	53	65	42	5.2	Batch, Size, Gr	51

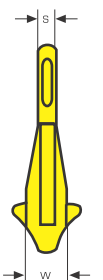
EN 1677-2



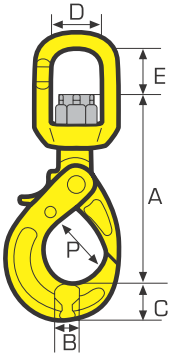
EYE GRAB HOOKS										
Chain Size mm	Hook Number	D mm	E mm	L mm	M mm	S mm	W mm	MASS kg	Identification Markings	
6.0 (Oval Eye)	HA-800	45	9	16	41			0.2	7-32 Cradle Hook	
7.0	7/8	57	10.5	16	65	9	21	0.2	Batch, Size, Gr	
10.0	10	71	13	20	80	10	24	0.5	Batch, Size, Gr	
13.0	13	90	17	25	102	16.5	30	1	Batch, Size, Gr	
16.0	16	104	19	29	117	19	39	2	Batch, Size, Gr	
20.0	20	125	23	35	157	23	46	3.2	Batch, Size, Gr	
22.0	HA-808	144	25	44	165	26	52	4.7	22 cm Max-alloy	
25.5	HA-809	178	30	48	206	33	66	9.7	26 cm Max-alloy	
32.0 (No Cradle)	HA-811	210	38	57	267	40	92	16.5	1	



CLEVIS GRAB HOOKS										
Chain Size mm	Hook Number	D mm	E mm	H mm	M mm	S mm	W mm	MASS kg	Identification Markings	
7.0	7/8	57	10.5	9	60	23	21	0.2	Batch, Size, Gr	
10.0	10	71	13	13	72	31	24	0.6	Batch, Size, Gr	
13.0	13	90	17	16	88	37.5	30	1.1	Batch, Size, Gr	
16.0	16	104	19	19	102	44	39	1.9	Batch, Size, Gr	
20.0	20	125	23	22	124	51	46	3.3	Batch, Size, Gr	

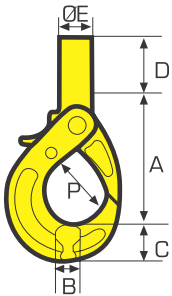


# GR 8 SWIVEL SELF-LOCKING HOOKS, SELF-LOCKING SHANK HOOKS, UTILITY WELD-ON HOOKS, WELD-ON TRANSPORT RINGS AND WELDED COUPLING LINKS



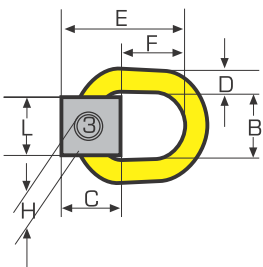
## SWIVEL SELF-LOCKING HOOK

Capacity Tons	Code No	Dimension mm						Mass kg
		A	B	C	D	E	P	
2.0	XLE1	146	21	29	37	39	43	1.35
3.15	XLE2	180	28	34	47	46	47	2.40
5.3	XLE3	214	32	43	58	58	61	4.50
8.0	XLE4	275	40	55	65	60	90	7.80



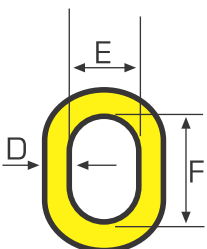
## SELF-LOCKING SHANK HOOK

Capacity Tons	Code No	Dimension mm						Mass kg
		A	B	C	D	E	P	
2.0	XLT1	87	20	26	38	19	35	0.9
3.15	XLT2	115	22	29	31	24	43	1.0
5.3	XLT3	127	30	42	54	25	53	3.0



## TRANSPORT RING, WELD-ON TYPE

Size	Size	Dimension mm							Mass kg
		E	F	C	L	H	D	B	
10-8	3.15	84	46	45	44	38	18	48	0.7
13-8	5.3	120	69	60	60	51	24	66	1.6
16-8	8	127	66	68	65	61	28	72	2.4
22-8	15	178	98	96	109	80	39	120	8.1



## WELDED COUPLING LINKS

Link Size mm			Link Size mm		
D	E	F	D	E	F
7.0	14	28			
10.0	16	30	28	60	100
13.0	25	40	32	65	110
16.0	35	60	40	70	130
20.0	40	70	45	80	150
22.0	45	80	50	90	180
25.5	50	90			

100% proof tested and magnetic particle crack detected

# FORGED MACHINERY EYE BOLTS

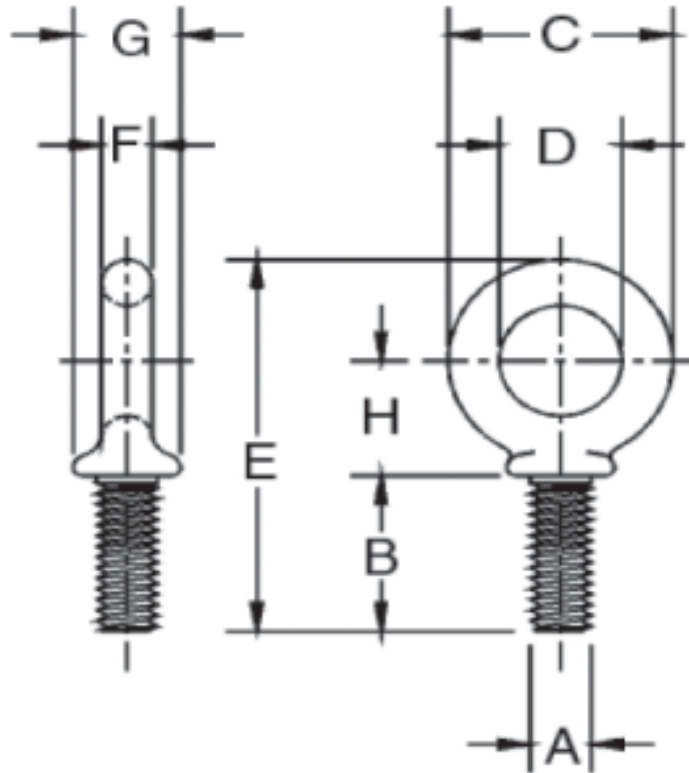
- Forged Steel - Quenched and Tempered.
- Working Load Limit shown are for in-line pull.
- Fatigue rated at 1 - 1/2 times the Working Load Limit at 20,000 cycles

## SHOULDER TYPE MACHINERY EYE BOLTS

Size	Working Load Limit (kg)*	Weight Each (kg)	Dimensions (mm)							
			A Thread	B	C	D	E	F	G	H
M6 x 1.0	200	.03	M6 x 1.0	13.0	28.7	19.1	49.0	4.9	13.5	21.7
M8 x 1.25	400	.05	M8 x 1.25	13.0	35.1	22.4	56.0	6.4	15.0	25.5
M10 x 1.5	640	.07	M10 x 1.5	17.0	41.1	25.4	64.0	7.9	17.5	26.5
M12 x 1.75	1000	.11	M12 x 1.75	20.5	49.5	30.2	78.0	9.7	23.1	32.8
M16 x 2.0	1800	.25	M16 x 2.0	27.0	60.5	35.1	97.5	12.7	28.7	40.3
M20 x 2.5	2500	.42	M20 x 2.5	30.0	70.0	38.1	110	16.0	35.1	45.0
M24 x 3.0	4000	1.05	M24 x 3.0	36.0	95.5	51.0	143	22.4	46.0	59.3
M30 x 3.5	6000	1.77	M30 x 3.5	45.0	114	63.5	174	25.4	58.0	72.0
M36 x 4.0	8500	3.12	M36 x 4.0	54.0	140	76.0	212	31.8	70.0	88.0



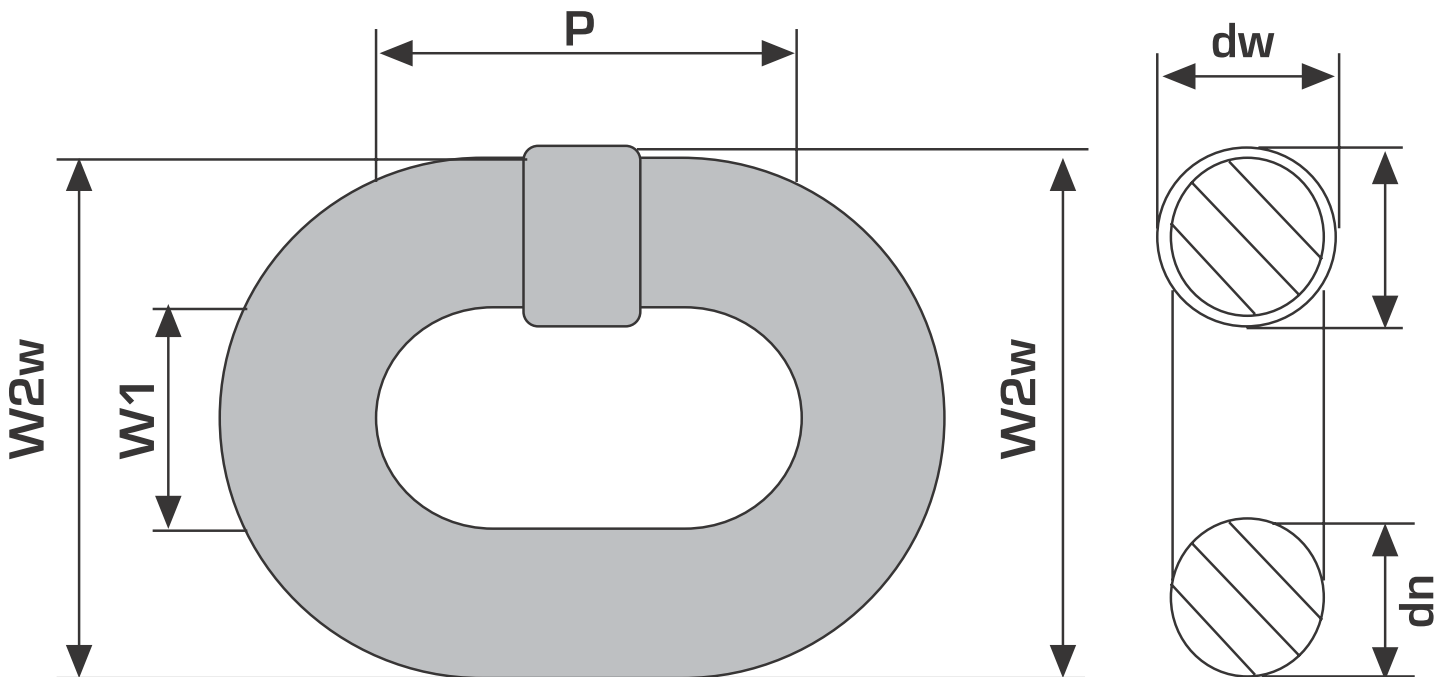
\* Ultimate Load is 5 times the Working Load Limit. Maximum Proof Load is 2 times the Working Load Limit.



# LONG CHAIN

## FOR MANUALLY OPERATED HOISTS

COMMODITY	DIAMETER (dn)			SINGLE LINK PITCH (P)			MULTI LINK PITCH (L)			W1 min	W2w max	dw max
	nom	min	max	nom	min	max	nom	min	max			
CAL050T	5.0	4.9	5.1	15.07	15.0	15.29	15	226.1	227.1	6.3	17.3	5.4
CAL060V	6.0	5.9	6.1	18.09	18.0	18.35	13	235.1	236.2	7.5	20.7	6.5
CAL070SV	7.1	7.0	7.1	20.10	20.0	20.40	11	221.1	222.2	8.5	23.5	7.7
CAL080V	8.0	7.9	8.1	24.12	24.0	24.46	11	265.3	266.5	10.0	26.9	8.6
CAL100V	10.0	9.9	10.2	30.1	30.0	30.58	11	331.6	333.2	12.5	34.2	10.8
CAL111V	11.1	11.0	11.1	33.20	33.1	33.50	11	365.2	366.9	13.0	36.9	12.0
CAL112T	11.2	11.0	11.4	34.17	34.0	34.66	11	375.8	377.6	14.0	38.2	12.1
CAL112V	11.2	11.0	11.4	34.17	34.0	34.66	11	375.8	377.6	14.0	38.2	12.1



WLL = Working Load Limit (F.O.S - 4:1)

Compliance with sizes nominated in SANS 1592:1993  
All Chains are hardened and tempered

# LONG AND EXTRA LONG LINK CHAIN

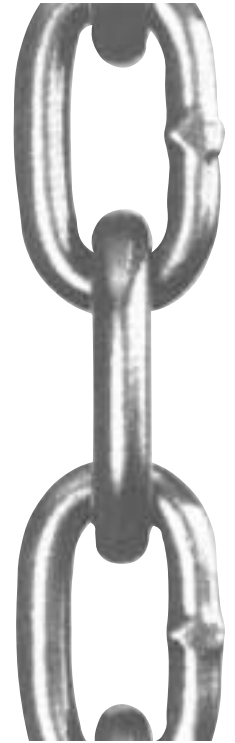
**FACTOR OF SAFETY:  
5 TO 1**

Long Link is a  
general purpose  
mild steel chain

**IDENTIFICATION:  
No brand marking**

Gr3 / Gr4 LONG LINK CHAIN						
Chain Size mm	Working Load Limit (metric tons)	LINK DIMENSION mm			LINK PER METER	MASS PER METER kg-approx
		dn-nom	P-nom	W2-max		
5.6	0.30	5.6	22.4	19.6	44.6	0.62
6.3	0.38	6.3	25.2	22.1	39.7	0.78
7.1	0.48	7.1	28.4	24.9	35.2	0.99
9.0	0.78	9.0	36.0	31.5	27.8	1.60
10.0	1.00	10.0	40.0	35.0	25.0	1.96
11.2	1.20	11.2	44.8	39.2	22.3	2.46
13.0	1.60	13.0	52.0	45.5	19.2	3.30
14.0	1.90	14.0	56.0	49.0	17.9	3.84
16.0	2.50	16.0	64.0	56.0	15.6	5.01
20.0	3.80	20.0	80.0	70.0	12.5	7.83
26.0	6.50	26.0	104.0	91.0	9.6	13.23

Sizes up to 50



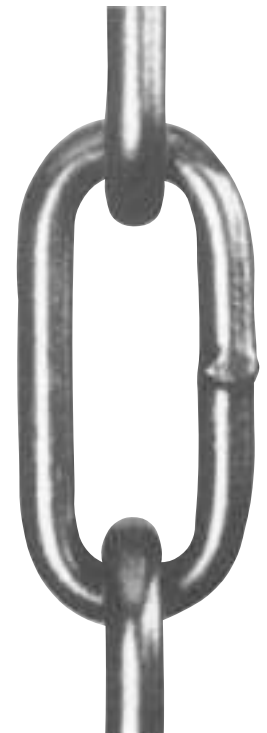
**FACTOR OF SAFETY:  
5 TO 1**

ELL Chain was primarily developed for use in underground mining but now offers greater versatility due to its "passing-through" design allowing immediate, on site, coupling and repair.

**IDENTIFICATION:  
No brand marking**

Gr3 / Gr4 EXTRA LONG LINK CHAIN						
Chain Size mm	WORKING LOAD LIMIT (metric tons)	LINK DIMENSIONS mm			LINKS PER METER	MASS PER METER kg-approx
		dn-nom	P-nom	W2-max		
4.0	0.15	4.0	20.0	16.0	50.0	0.30
7.1	0.48	7.1	42.6	28.4	23.5	0.89
10.0	1.00	10.00	60.00	40.0	16.7	1.77
14.0	1.90	14.0	84.0	56.0	12.0	3.47
16.0	2.50	16.0	96.0	64.0	10.4	4.53

Sizes up to 50.0 mm



# CARGO SECURING SYSTEMS



RATCHET BINDER					
		Barrel Length mm			
10.0/13.0	356	254	200	15 000	5.6

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

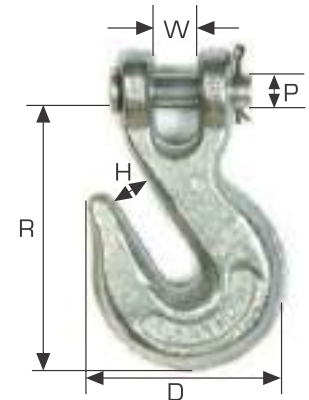


LEVER BINDER				
Chain Size mm	Handle Length mm	Take-up mm	Minimum Breaking Strength kg	Mass kg
10.0	400	102	8 620	3.50
13.0	470	115	12 700	5.10

- Drop forged and heat treated

## CLEVIS GRAB HOOK - Grade 5

Dimensions in mm					
Chain Size	W	D	H	P	R
10.0	11.0	88	12.7	11.0	76
13.0	15.0	84	14.0	14.0	85



## RATCHET TIE DOWN, RATCHET STRAPS

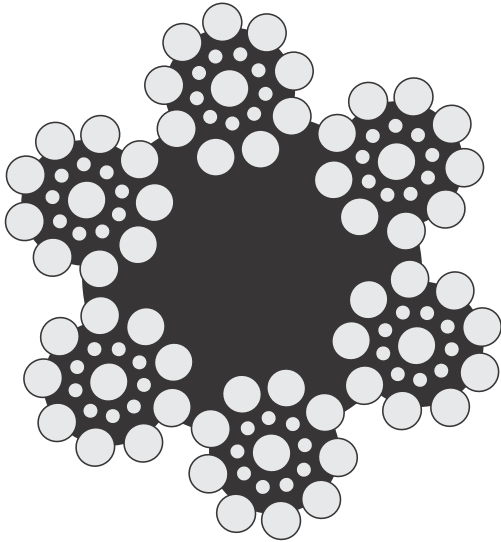
Width (mm)	Load Capacity (kg)	Breaking Strength (kg)
75	9000	9000
50	4000	4000
35	2000	2000
25	1500	1500

- 100% High tenacity polyester of lashing strap
- Low elongation
- Width available: 25mm to 100mm
- Breaking strength scope: 0,5t to 10t

## WARNING!

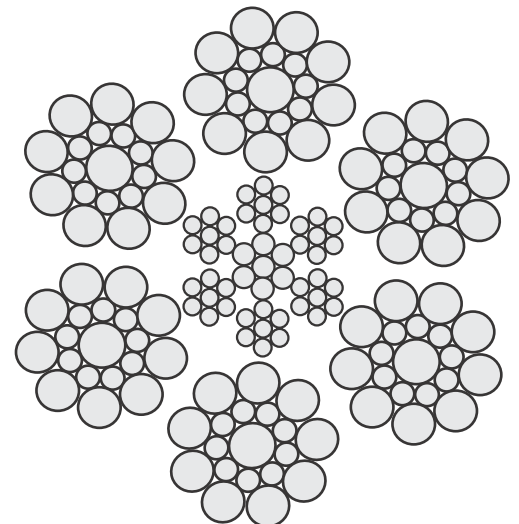
- Only use undamaged ratchet lashing, the label indicating the capacity must be clearly legible.
- Ratchet lashings must not be overloaded.
- Do not tie knots in the webbing.
- Protect the webbing against abrasion and/or cutting by using edge protectors and sleeves for sharp edges
- Avoid twisted positioning of the ratchet lashing
- Do not place loads on the ratchet lashing, which could cause damage.
- Ratchet lashings should not be used as a load lifting gear.

# GENERAL PURPOSE STEEL WIRE ROPE

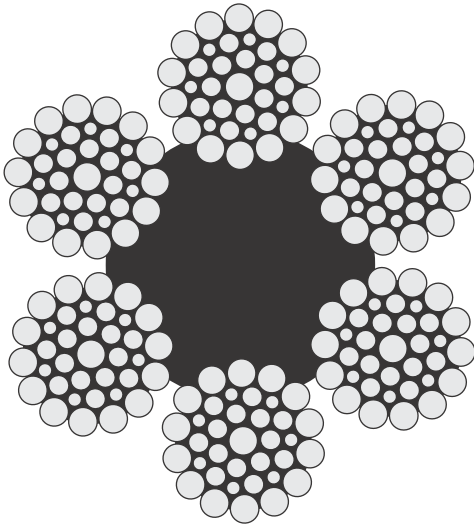


6 x 19 (9/9/1) / F			
Nominal Rope Diameter (mm)	Estimated Mass (kg/m)	Estimated Breaking Force (kN)	Outer Wire Diameter (mm)
		1800MPa	
6.0	0.14	22.0	0.48
8.0	0.25	38.0	0.63
9.0	0.31	49.0	0.72
10.0	0.38	59.0	0.78
11.0	0.46	72.0	0.87
12.0	0.55	87.0	0.96
13.0	0.66	103.6	1.04
14.0	0.75	118.7	1.12
15.0	0.87	138.0	1.20
16.0	0.98	155.0	1.28
17.0	1.08	170.1	1.32
18.0	1.23	196.1	1.44
19.0	1.34	212.7	1.48
20.0	1.49	237.6	1.56
21.0	1.64	260.0	1.64
22.0	1.80	285.7	1.72
23.0	1.97	311.6	1.80
24.0	2.18	348.8	1.92
25.0	2.36	377.5	2.00
26.0	2.59	414.6	2.08
27.0	2.69	427.8	2.12
28.0	2.98	477.8	2.24
29.0	3.13	499.5	2.28
30.0	3.34	534.2	2.36

6 x 19 (9/9/1) / IWRC			
Nominal Rope Diameter (mm)	Estimated Mass (kg/m)	Estimated Breaking force (kN)	Outer Wire Diameter (mm)
		1800 MPa	
6.0	0.16	24	0.48
8.0	0.27	41	0.63
9.0	0.35	53	0.72
10.0	0.43	64	0.78
11.0	0.52	79	0.87
12.0	0.62	95	0.96
13.0	0.73	111	1.04
14.0	0.84	128	1.12
16.0	1.09	167	1.28
19.0	1.50	230	1.48
20.0	1.67	256	1.56
22.0	2.01	308	1.72
24.0	2.45	376	1.92
26.0	2.88	444	1.64
28.0	3.34	514	1.76
30.0	3.74	576	2.36

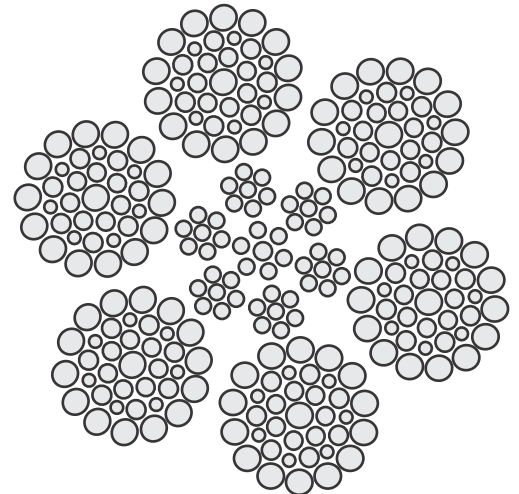


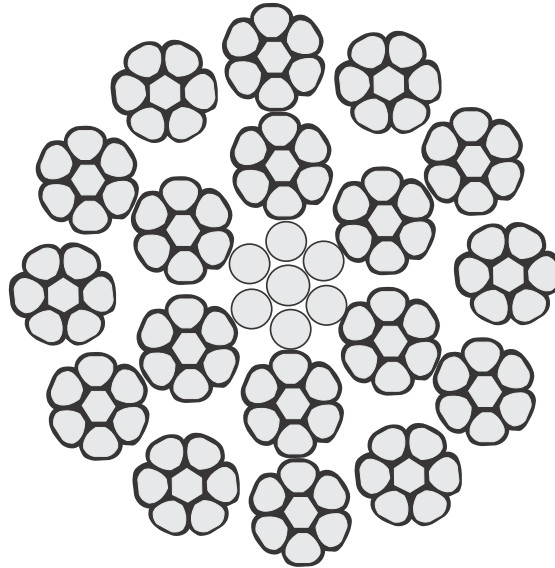
# GENERAL PURPOSE STEEL WIRE ROPE



6 x 36 (14/7+7/7/1) / F			
Nominal Rope Diameter (mm)	Estimated Mass (kg/m)	Estimated Breaking Force (kN)	Outer Wire Diameter (mm)
		1800MPa	
8.0	0.25	38	0.44
10.0	0.40	61	0.56
13.0	0.66	103	0.72
16.0	1.01	156	0.90
19.0	1.43	221	1.06
20.0	1.56	242	1.12
22.0	1.91	297	1.24
24.0	2.20	342	1.32
26.0	2.60	406	1.44
28.0	3.06	480	1.56
30.0	3.36	557	1.68
32.0	3.90	647	1.80
34.0	4.40	730	1.92
36.0	4.93	820	2.04
38.0	5.38	894	2.12
40.0	6.11	1019	2.28
42.0	6.67	1109	2.36
44.0	7.42	1238	2.50
46.0	8.07	1345	2.60
48.0	8.71	1451	2.70
50.0	9.61	1602	2.85

6 x 36 (14/7+7/7/1) / IWRC			
Nominal Rope Diameter (mm)	Estimated Mass (kg/m)	Estimated Breaking force (kN)	Outer Wire Diameter (mm)
		1800 MPa	
8.0	0.28	42	0.44
9.0	0.36	54	0.56
10.0	0.44	68	0.60
13.0	0.74	114	0.72
16.0	1.13	172	0.90
19.0	1.59	244	1.06
20.0	1.75	269	1.12
22.0	2.12	327	1.24
24.0	2.55	393	1.36
26.0	2.91	449	1.44
28.0	3.42	529	1.56
32.0	4.47	692	1.80
36.0	5.58	865	2.00
38.0	6.22	961	2.12
40.0	6.95	1075	2.24
42.0	7.72	1196	2.50
44.0	8.69	1345	2.55
46.0	9.08	1407	2.70
48.0	10.05	1559	2.80
50.0	10.82	1679	2.90

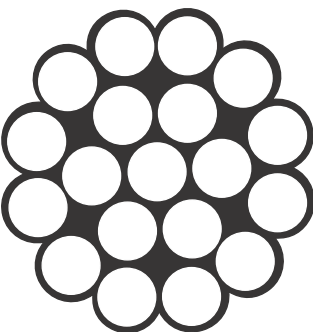
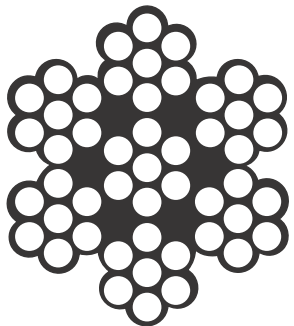
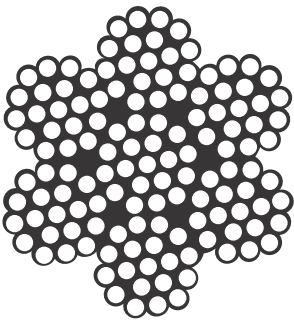
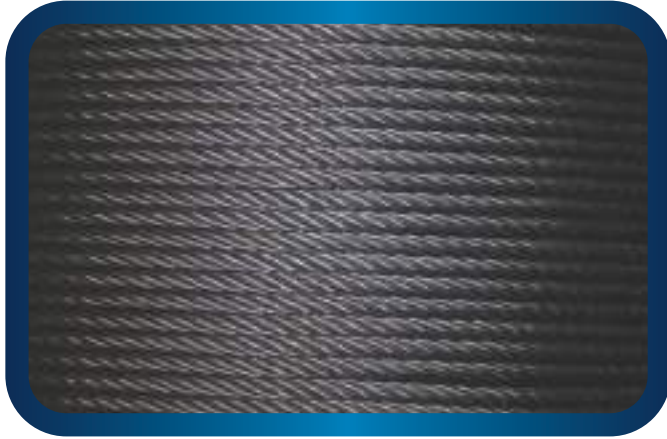




**18 STRAND NON-SPIN ROPE**  
**12 x 7C (6 / 1) / 6 x 7C (6 / 1) WIVIC**

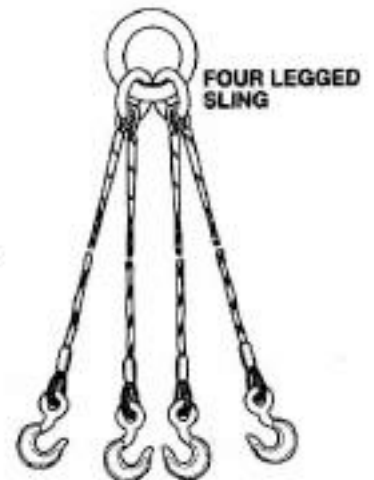
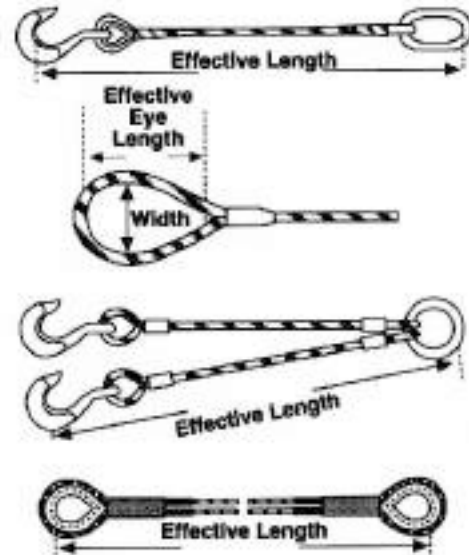
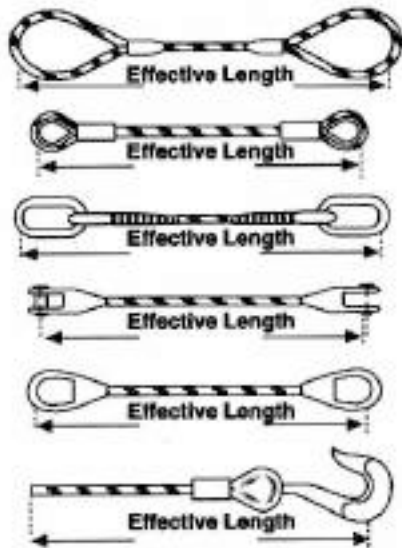
Nominal Rope Diameter (mm)	Estimated Mass (kg/m)	Estimated Breaking force (kN)	Outer Wire Diameter (mm)
		1800 MPa	
6.0	0.62	22	0.38
7.0	0.21	29	0.44
8.0	0.28	38	0.50
9.0	0.34	48	0.56
10.0	0.43	61	0.63
11.0	0.51	72	0.69
12.0	0.62	87	0.75
13.0	0.72	102	0.81
14.0	0.86	121	0.90
16.0	1.09	153	1.00
18.0	1.42	201	1.16
19.0	1.56	220	1.20
20.0	1.74	247	1.28
22.0	2.09	297	1.40
24.0	2.46	349	1.52
26.0	2.99	483	1.76
28.0	3.53	571	1.92
29.0	3.74	605	1.96
30.0	4.03	652	2.04

# STAINLESS STEEL WIRE ROPE



Size	Weight	Approx Breaking Strength (Calculated)	
<b>7 x 19(12/6/1) IWRC</b>		<b>1570N/mm<sup>2</sup> (160kg/mm<sup>2</sup>)</b>	
mm	kg/m	kN	kp
2	0.016	2.75	280
2.5	0.024	4.07	414
3	0.034	5.88	600
4	0.061	10.40	1060
5	0.095	16.30	1660
6	0.138	23.40	2390
7	0.187	31.90	3250
8	0.243	41.70	4250
10	0.381	65.1	6640
12	0.548	93.70	9550
14	0.746	128.00	13 000
16	0.974	167.00	169 000
<b>7 x 7 (6/1)IWRC</b>		<b>1570N/mm<sup>2</sup> (160kg/mm<sup>2</sup>)</b>	
mm	kg/m	kN	kp
1	0.0042	0.735	75
1.5	0.0089	1.52	155
2	0.0157	2.72	278
2.5	0.0255	4.41	450
3	0.0354	6.08	620
4	0.0629	10.80	1 100
5	0.0983	16.90	1 720
6	0.142	24.10	2 460
7	0.193	33.00	3 360
8	0.252	43.00	4 380
10	0.393	67.20	6 860
12	0.567	96.80	9 860
<b>1 x 19</b>		<b>1570N/mm<sup>2</sup> (160kg/mm<sup>2</sup>)</b>	
mm	kg/m	kN	kp
1	0.00495	0.937	95.5
1.5	0.0111	2.11	215
2	0.0198	3.75	382
2.5	0.310	5.86	597
3	0.0446	8.43	860
4	0.0793	15.00	1530
5	0.124	23.40	2390
6	0.178	33.70	3440
7	0.243	45.90	4680
8	0.317	56.80	5800
10	0.495	83.40	8500
12	0.713	119.00	12 100
14	0.971	162.00	16 500

# MEASURING AND ORDERING OF WIRE ROPE SLINGS



SLINGS ARE MEASURED FROM PULL TO PULL (EFFECTIVE LENGTH), i.e FROM THE BEARING POINT ON THE INSIDE OF THE THIMBLE, SOFT EYE, RING, HOOK ETC.

When ordering slings the following information should be given:

- Type of sling: one leg, two leg, grommet type etc.
- Length: from pull-to-pull unless otherwise stated.
- Diameter from construction of rope, alternatively the mass of the load to be lifted, together with a sketch showing arrangement and angles of slings etc.
- End Fittings: Dimensional details of such fittings as rings, should be stated and any unusual requirements in regards to shackles, hooks, thimbles etc.
- Type of splice: Superloop, Afgrip and Handsplice

**BREAKING FORCE AND PROOF LOAD CERTIFICATES SUPPLIED**



**SUPERLOOP**

- Flemish Eye with tapered steel ferrule
- Very efficient
- Robust steel formula
- Tapered Steel ferrule to prevent snagging
- No galvanic action between rope & ferrule
- Recommended also for fiery coal mines - does not have low temp spark



**AFGRIP**

- Turnback Eye with aluminium ferrule
- Economic and efficient



**HAND SPLICE**

- Standard Liverpool & Admiralty methods
- Other special hand splices available
- Cable laid and grommet slings available on request



**TAPERED ENDS**

- Useful for reeving steel wire rope through system, for tirsors, for fitting wedge sockets etc.
- Eliminates seizing of steel rope

## CORRECT FITTING OF WIRE ROPE CLAIMS

Efficiency ratings for wire rope end terminations are based upon the catalog breaking strength of wire rope. The efficiency rating of a properly prepared loop or thimble - eye termination for clip sizes 3mm through 22mm is 80%, and for sizes 25mm through 90mm is 90%. The number of clips shown (see table 1) is based upon using RRL or RLL wire rope, 6 x 19 or 6 x 37 Class, FC or IWRC; IPS or XIP, XXIP. If Seale construction or similar large outer wire rope construction in the 6 x 19 Class is to be used or sizes in 25mm and larger and one additional clip. If a pulley (sheave) is used for turning back the wire rope, add one additional clip. The number of clips shown also applies to rotation - resistant RRL wire rope, 8 x 19 Class, IPS, XIP, XXIP sizes 38mm and smaller; and to rotation-resistant RRL wire rope, 19 x 7 Class, IPS, CIP, CCIP sizes 45mm and smaller.

For other classes of wire rope not mentioned above, we recommend contacting Shutterlock (Pty) Ltd at the address or telephone number on the back cover to ensure the desired efficiency rating. For elevator, personnel hoist and scaffold applications, refer to ANSI A17.1 and ANSI A10.4. These standards do not recommend U-Bolt style wire rope clip terminations. The style wire rope termination used for any application is the obligation of the user.

For OSHA (Construction) applications, see OSHA Act 85 of 1993

1 - Refer to Table 1 in following these instructions. Turn back specified amount of rope from thimble or loop. Apply first clip one base width from dead end of rope. Apply U-Bolt over dead end of wire rope - live end rests in saddle. Tighten nuts evenly, alternate from one nut to the other until reaching the recommended torque.



Fig. 1

2 - When two clips are required, apply the second clip as near the loop or thimble as possible. Tighten nuts evenly, alternating until reaching the recommended torque. When more than two clips are required, apply the second clip as near the loop or thimble as possible, turn nuts on second clip firmly; but do not tighten. Proceed to Step 3



Fig. 2

3 - When three or more clips are required, space additional clips equally between first two - take up rope slack - tighten nuts on each U-Bolt evenly, alternatively from one nut to the other until reaching recommended torque



Fig. 3

4 - If a pulley (sheave) is used in place of a thimble, add one additional clip. Clip spacing should be as shown

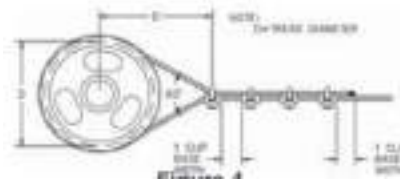


Fig. 4

Clip Size (in.)	Rope Size (mm)	Minimum No. of Clips	Amount of rope to Turn Back in mm	* Torque in Nm
1/8	3-4	2	85	6.1
3/16	5	2	95	10.2
1/4	6-7	2	120	20.3
5/16	8	2	133	40.7
3/8	9-10	2	165	61.0
7/16	11-12	2	178	88
1/2	13	3	292	88
9/16	14-15	3	305	129
5/8	16	3	305	129
3/4	18-20	4	460	176
7/8	22	4	480	305
1	24-25	5	660	305
1-1/8	28-30	6	860	305
1-1/4	33-34	7	1120	488
1-3/8	36	7	1120	488
1-1/2	38-40	8	1370	488
1-5/8	41-42	8	1470	583
1-3/4	44-46	8	1550	800
2	48-52	8	1800	1017
2-1/4	56-58	8	1850	1017
2-1/2	62-65	9	2130	1017
2-3/4	68-72	10	2540	1017
3	75-78	10	2690	1627
3-1/2	85-90	12	3780	1627

If a pulley (sheave) is used for turning back the wire rope, add one additional clip. See Figure 4.

If a greater number of clips are used than shown in the table, the amount of turnback should be increased proportionately.

\* The tightening torque values shown are based upon the threads being clean, dry, and free of lubrication.

# FLAT WEBBING SLINGS

## DUPLEX FLAT STROP - COLOUR CODED SANS STANDARD



### FEATURES

- Double ply lifting sling made from high tenacity polyester fibres
- Colour coded according to SAM and EN
- Temperature range of -40°C to 100°C
- Available in any length

### PROTECTION DOUBLE PU COATED SLEEVES

- Extreme conditions - steel plates / coils, polyurethane, bonded and sleeve
- Hard conditions - concrete/granite, polyester sleeve
- DPU Coated bounded sleeve
- Moderate conditions - "PVC" - wood, PVC layflat sleeve, webbing sleeve



Capacity in Ton	Colour	Working load limit for 1 lifting sling					Working load limit for 2 lifting sling			
		Straight	Choked	0° - 7°	7° - 45°	45° - 60°	7° - 45°	7° - 45°	45° - 60°	45° - 60°
Factor		1.0	1.0	2.0	1.4	1.0	1.4	1.21	1	0.8
0.5 Ton		0.5 Ton	0.4 Ton	1 Ton	0.7 Ton	0.5 Ton	0.7 Ton	0.56 Ton	0.50 Ton	0.4 Ton
1 Ton		1 Ton	0.8 Ton	2 Ton	1.4 Ton	1 Ton	1.4 Ton	1.12 Ton	1 Ton	0.8 Ton
2 Ton		2 Ton	1.6 Ton	4 Ton	2.8 Ton	2 Ton	2.8 Ton	2.24 Ton	2 Ton	1.6 Ton
3 Ton		3 Ton	2.4 Ton	6 Ton	4.2 Ton	3 Ton	4.2 Ton	3.36 Ton	3 Ton	2.4 Ton
4 Ton		4 Ton	3.2 Ton	8 Ton	5.6 Ton	4 Ton	5.6 Ton	4.48 Ton	4 Ton	3.2 Ton
5 Ton		5 Ton	4 Ton	10 Ton	7 Ton	5 Ton	7 Ton	5.6 Ton	5 Ton	4 Ton
6 Ton		6 Ton	4.8 Ton	12 Ton	8.4 Ton	6 Ton	8.4 Ton	6.72 Ton	6 Ton	4.8 Ton
8 Ton		8 Ton	6.4 Ton	16 Ton	11.2 Ton	8 Ton	11.2 Ton	8.96 Ton	8 Ton	6.4 Ton
10 Ton		10 Ton	8 Ton	20 Ton	14 Ton	10 Ton	14 Ton	11.2 Ton	10 Ton	8 Ton
15 Ton		15 Ton	12 Ton	30 Ton	21 Ton	15 Ton	21 Ton	16.8 Ton	15 Ton	12 Ton
20 Ton		20 Ton	16 Ton	40 Ton	28 Ton	20 Ton	28 Ton	22.4 Ton	20 Ton	16 Ton

# ENDLESS ROUND SLINGS

## COLOUR CODED

SANS Standard-EN

### HIGH STRENGTH, LIGHTWEIGHT POLYESTER SLINGS

- Easy to handle - light, flexible, soft
- High strength - to - weight ration
- Ideal for delicate surfaces
- Suitable for choker applications reduces WLL with 2%
- Colour coded for quick capacity identification
- Various capacities up to 300 ton S.W.L.
- Wide range of lengths
- Safe working load indicated on each sling



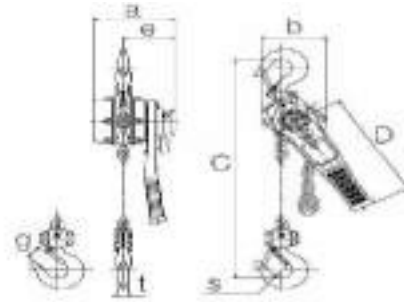
100 Ton Sling

Capacity in Ton	Colour	Working load limit for 1 lifting sling					Working load limit for 2 lifting sling			
		Straight	Choked	0° - 7°	7° - 45°	45° - 60°	7° - 45°	7° - 45°	45° - 60°	45° - 60°
<b>Factor</b>		<b>Factor</b>	<b>0.8</b>	<b>2.0</b>	<b>1.4</b>	<b>1.0</b>	<b>1.4</b>	<b>1.21</b>	<b>1</b>	<b>0.8</b>
0.5 Ton		0.5 Ton	0.4 Ton	1 Ton	0.7 Ton	0.5 Ton	0.7 Ton	0.5 Ton	0.5 Ton	0.4 Ton
1 Ton		1 Ton	0.8 Ton	2 Ton	1.4 Ton	1 Ton	1.4 Ton	1.12 Ton	1 Ton	0.8 Ton
2 Ton		2 Ton	1.6 Ton	4 Ton	2.8 Ton	2 Ton	2.8 Ton	2.24 Ton	2 Ton	1.6 Ton
3 Ton		3 Ton	2.4 Ton	6 Ton	4.2 Ton	3 Ton	4.2 Ton	3.36 Ton	3 Ton	2.4 Ton
4 Ton		4 Ton	3.2 Ton	8 Ton	5.6 Ton	4 Ton	5.6 Ton	4.48 Ton	4 Ton	3.2 Ton
5 Ton		5 Ton	4 Ton	10 Ton	7 Ton	5 Ton	7 Ton	5.6 Ton	5 Ton	4 Ton
6 Ton		6 Ton	4.8 Ton	12 Ton	8.4 Ton	6 Ton	8.4 Ton	6.72 Ton	6 Ton	4.8 Ton
8 Ton		8 Ton	6.4 Ton	16 Ton	11.2 Ton	8 Ton	11.2 Ton	8.96 Ton	8 Ton	6.4 Ton
10 Ton		10 Ton	8 Ton	20 Ton	14 Ton	10 Ton	14 Ton	11.2 Ton	10 Ton	8 Ton
15 Ton		15 Ton	12 Ton	30 Ton	21 Ton	15 Ton	21 Ton	16.8 Ton	15 Ton	12 Ton
20 Ton		20 Ton	16 Ton	40 Ton	28 Ton	20 Ton	28 Ton	22.4 Ton	20 Ton	16 Ton
25 Ton		25 Ton	20 Ton	50 Ton	35 Ton	25 Ton	35 Ton	28 Ton	25 Ton	20 Ton
30 Ton		30 Ton	24 Ton	60 Ton	42 Ton	30 Ton	42 Ton	33.6 Ton	30 Ton	24 Ton
40 Ton		40 Ton	32 Ton	80 Ton	56 Ton	40 Ton	56 Ton	44.8 Ton	40 Ton	32 Ton
50 Ton		50 Ton	40 Ton	100 Ton	70 Ton	50 Ton	70 Ton	56 Ton	50 Ton	40 Ton
60 Ton		60 Ton	48 Ton	120 Ton	84 Ton	60 Ton	84 Ton	67.2 Ton	60 Ton	48 Ton
80 Ton		80 Ton	64 Ton	160 Ton	112 Ton	80 Ton	112 Ton	89.6 Ton	80 Ton	64 Ton
100 Ton		100 Ton	80 Ton	200 Ton	140 Ton	100 Ton	140 Ton	112 Ton	100 Ton	80 Ton

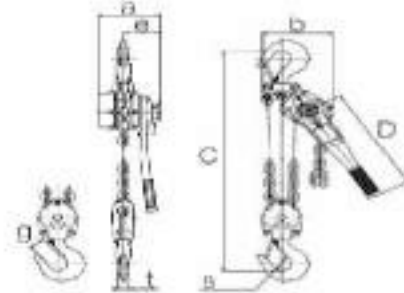
# MANUAL LEVER HOISTS



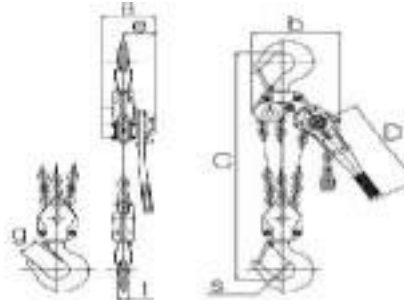
LB008 to LB032



LB063



LB090



## SPECIFICATIONS AND DIMENSIONS

Rated load (W.L.L)	(t)	0.8	1	1.6	2.5	3.2	6.3	9
Code		LB008	LB010	LB016	LB025	LB032	LB063	LB090
Standard Lift	(m)	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Hand-pull to lift full load	(N) (kg)	284(29)	353(36)	333(34)	363(37)	363(37)	372(38)	382(39)
Load chain diameter x chain fall	(mm)	5.6 x 1	5.6 x 1	7.1 x 1	8.8 x 1	10 x 1	10 x 2	10 x 3
Test load	(kg)	1200	1500	2400	2800	4800	7900	11300
Mass (Net weight)*	(kg)	5.7	5.9	8	11.2	15	26	40
Shipping weight (Approx.)	(kg)	6	6.2	8.3	11.6	16	27	42
Weight for additional one meter of lift	(kg)	0.7	0.7	1.1	1.7	2.3	4.7	7
Dimensions (mm)	a	144	144	159	173	190	190	190
	b	119	119	126	150	159	217	304
	C	280	300	335	375	395	540	680
	D	245	245	265	265	415	415	415
	e	97	97	100	102	112	112	112
	g	23.5	29	32	36.5	39	50	72.5
	s	35.5	42.5	42.5	47	50	60	85
	t	14	15	19	21	24.5	34	41.5

# MANUAL CHAIN BLOCK



# ELECTRICAL CHAIN BLOCK



Motor



Trolley



Hook



Chain Bag



Chain

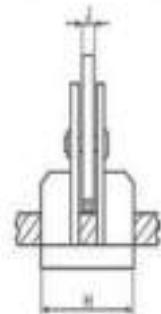
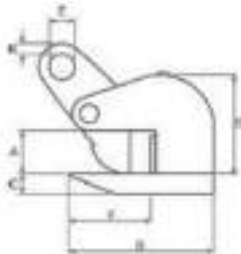
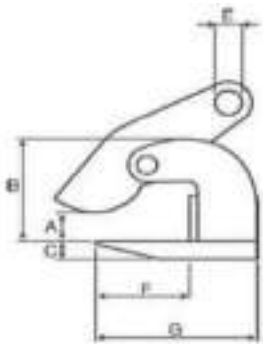


Pendant Control

# HORIZONTAL CLAMPS

For Horizontal Lifting and Transfer

- Available in capacities of .75 thru 25 metric tons.
- Wide variety of jaw openings available: 0" to 4"
- Welded alloy steel body for strength and smaller size. Forged alloy components where required
- Each product is individually serialized, with the serial number and on the test certificate with maintenance and warranty logbook.
- Maintenance replacement kits are available



## Jaw Opening Range 0 to 2-3/8"

Working Load Limit (Per Pair) (t)*	Stock No.	Weight Each (lbs.)	Dimensions (in.)								
			Jaw A	B	C	E	F	G	H	J	K
0.75	2705343	5.00	0-1.18	2.95	0.63	0.63	2.52	4.64	3.19	0.47	1.81
1.5	2705344	10.0	0.2.38	4.80	0.63	0.86	3.86	6.03	4.33	0.63	2.05
3	2705477	15.0	0-2.38	4.61	0.78	1.03	3.86	6.42	4.72	0.78	2.72
4.5	2705483	20.0	0-2.38	5.20	0.98	1.19	3.89	7.20	5.13	0.78	2.72
6	2705484	24.5	0-2.38	5.20	1.00	1.42	4.25	8.39	5.13	0.78	2.72
9	2705485	34.5	0-2.38	6.19	1.19	1.69	4.64	8.78	5.52	1.00	3.41
12	2705486	42.0	0-2.38	6.77	1.19	1.84	5.28	10.00	5.91	1.00	3.47
15	2705487	51.0	0-2.38	7.81	1.19	1.84	5.67	11.19	7.88	1.00	3.47
25	2705119	86.0	0-2.38	6.66	1.58	1.84	6.69	11.81	8.66	4.45	4.45

\* Ultimate load is 5 times the Working Load Limit.

Working Load Limit (Per Pair) (t)*	Stock No.	Weight Each (lbs.)	Dimensions (in.)								
			Jaw A	B	C	E	F	G	H	J	K
3	2705308	24.5	0-4.00	7.56	0.78	1.03	6.30	8.73	5.52	0.78	2.56
6	2705311	36.5	0-4.00	7.88	1.00	1.27	6.30	9.80	7.09	0.78	2.72
9	2705313	53.0	0-4.00	8.66	1.19	1.38	6.69	10.63	7.48	1.00	2.34
12	2705318	64.0	0-4.00	8.66	1.38	1.84	6.69	10.63	7.88	1.00	2.73

\* Ultimate load is 5 times the Working Load Limit.

## Jaw Opening Range 0 to 2-3/8"

Working Load Limit (Per Pair) (t)*	Stock No.	Weight Each (lbs.)	Dimensions (in.)								
			Jaw A	B	C	E	F	G	H	J	K
0.75	2705401	6.50	0-1.18	3.53	0.63	0.63	2.75	4.64	3.19	0.47	0.47
1.5	2705402	12.0	0-1.75	5.23	0.63	0.86	4.95	7.56	3.94	0.63	0.47
3	2705403	17.5	0-1.75	5.39	0.78	1.03	4.92	7.88	4.72	0.78	0.39
4.5	2705404	19.0	0-1.75	5.44	0.98	1.19	4.95	8.66	4.72	0.78	0.39
6	2705405	31.5	0-2.38	6.73	1.19	1.42	5.31	9.25	5.13	0.78	0.78
9	2705406	46.5	0-2.38	8.31	1.19	1.69	6.53	10.86	6.30	1.00	0.78
12	2705407	47.5	0-2.38	8.55	1.58	1.84	6.61	11.58	7.48	1.00	0.75
15	2705408	83.5	0-2.38	8.66	1.58	1.84	7.20	12.48	9.84	1.00	0.86

\* Ultimate load is 5 times the Working Load Limit.

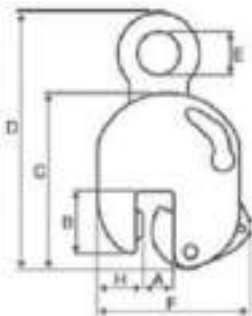
# VERTICAL CLAMPS

For Vertical Lifting, Turning and Transfer



The GIANT Vertical lifting clamp is used for the lifting, turning and moving of vertical transfer of sheet, plates or fabrications from horizontal to vertical and down to horizontal (180°) as needed. Usually used as a single point pick or when used with a spreader beam with multiple vertical drop lines.

- Available in capacities of .5 thru 30 metric tons (Higher Working Load Limits are available upon request)
- Wide variety of jaw openings available: 0" to 6 1/8"
- Welded alloy steel body for strength and smaller size. Forged alloy components, where required.
- Individually Proof tested to 2 times the Working Load Limit with certification
- Company name, logo, Working Load Limit and jaw opening permanently stamped on body.
- Each product is individually serialized. with the serial number and Proof Load test date stamped on body. Serial number is included on the test certificate with maintenance and warranty logbook.
- Available in a variety of styles:
  - Standard clamp for materials with a surface hardness to 37Rc (345 HB)
  - Larger jaw opening
  - For use with Stainless Steel material
  - For use with materials with a surface hardness to 47Rc (450HB)



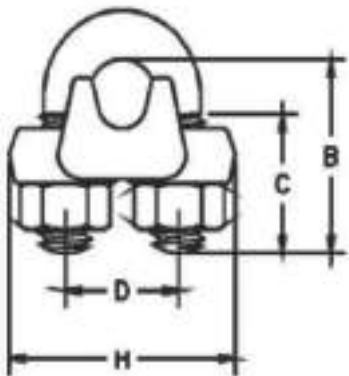
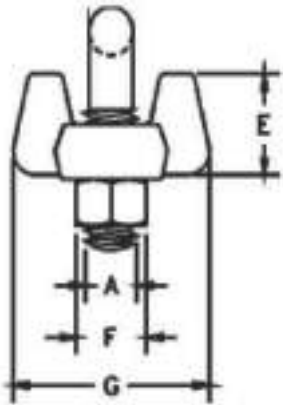
Working Load Limit (t)*	Ip10 Stock No.	Weight Each (lbs.)	Dimensions (in.)									
			Jaw A	B	C	D	E	F	G	H	J	K
0.5	2701674	4.00	0-0.63	1.73	5.05	8.16	1.19	4.53	1.61	1.11	-	0.39
1	2701662	4.85	0-.75	1.75	5.47	8.46	1.19	4.47	1.63	1.50	-	0.39
2	2701676	16.8	0-1.38	3.08	7.91	13.23	2.75	7.47	2.41	2.17	-	0.63
3	2701664	30.4	0-1.56	3.94	9.95	17.17	2.95	8.86	3.08	2.36	-	0.78
4.5	2701666	33.0	0-1.56	3.94	9.95	17.17	2.95	8.86	3.23	2.56	-	0.78
6	2701668	51.8	0-2.00	4.95	11.89	20.28	3.16	11.50	3.31	3.73	1.58	0.78
6	2701705	63.0	2.00-3.88	4.96	11.89	20.27	3.15	13.46	3.31	3.74	1.57	0.78
9	2701670	60.6	0-2.00	4.95	12.80	21.66	3.17	12.20	3.13	4.14	1.73	0.78
9	2701672	62.8	2.00-3.88	4.95	12.80	21.84	3.16	14.17	3.13	4.14	1.73	0.78
12	2701678	108	0-2.13	6.30	15.39	22.83	3.16	13.03	4.61	5.39	1.61	1.00
12	2701680	128	2.13-4.25	7.02	17.28	24.80	3.16	16.34	4.61	5.39	1.61	1.00
16	2701682	150	.25-2.50	7.02	18.31	27.17	3.47	15.63	4.69	6.03	1.92	1.00
16	2701684	200	2.50-5.00	8.19	20.52	29.38	3.47	18.58	4.99	6.34	1.92	1.00
22.5	2701686	238	.25-3.13	8.73	21.81	31.50	4.33	18.50	5.45	7.33	1.92	1.00
22.5	2701688	243	3.13-6.13	9.95	24.72	34.64	4.33	22.64	5.36	7.72	1.92	1.00
30	2701690	326	.25-3.13	8.72	21.45	31.50	4.33	18.50	5.98	7.22	2.13	1.19
30	2701692	335	3.13-6.13	9.84	24.41	34.64	4.33	22.25	5.98	7.72	2.13	1.19
For Stainless Steel - with fixed hoisting eye												
0.5	2702274	4.00	0-.63	1.73	5.05	8.16	1.19	4.53	1.61	1.11	-	0.39
1	2702262	4.40	0-.75	1.75	5.47	8.46	1.19	4.47	1.63	1.50	-	0.39
2	2702276	15.0	0-1.38	3.08	7.91	13.23	2.75	7.47	2.41	2.17	-	0.63
3	2702264	30.4	0-1.56	3.94	9.95	17.17	2.95	8.86	3.08	2.36	-	0.78
4.5	2702266	33.0	0-1.56	3.94	9.95	17.17	2.95	8.86	3.23	2.56	-	0.78
6	2702268	51.8	0-2.00	4.95	11.89	20.28	3.16	11.50	3.31	3.73	1.58	0.78
9	2702270	60.6	0-2.00	4.95	12.80	21.66	3.17	12.20	3.13	4.14	1.73	0.78
12	2702278	108	0-2.13	6.30	15.39	22.83	3.16	13.03	4.61	5.39	1.61	1.00
For very hard materials - with fixed hoisting eye												
0.5	2702174	4.00	0-.63	1.73	5.05	8.16	1.19	4.53	1.61	1.11	-	0.39
1	2702176	15.0	0-1.38	3.08	7.91	13.23	2.75	7.47	2.41	2.17	-	0.63
2	2702164	30.4	0-1.56	3.94	9.95	17.17	2.95	8.86	3.08	2.36	-	0.78
3	2702166	33.0	0-1.56	3.94	9.95	17.17	2.95	8.86	3.23	2.56	-	0.78
4.5	2702168	51.8	0-2.00	4.95	11.89	20.28	3.16	11.50	3.31	3.73	1.58	0.78
6	2702170	60.6	0-2.00	4.95	12.80	21.66	3.17	12.20	3.13	4.14	1.73	0.78

\* Ultimate load is 5 times the Working Load Limit.

# FORGED STEEL WIRE ROPE CLIPS



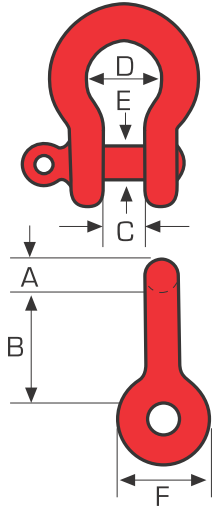
- Each base has a Product Identification Code (PIC) for material traceability, the name and a size forged into it.
- Based on the catalog breaking strength of wire rope, INUFA wire rope clips have an efficiency rating of 80% for 3-4mm to 22mm sizes, and 90% for sizes 24-26mm through 90mm.
- Entire Clip-Galvanised to resist corrosive and rusting action.
- Size 3mm through 76mm have forged bases
- Clip sizes up through 38mm have rolled threads.



Rope Size (mm)*	Std. Package Qty	Weight per 100 (kg)	Dimensions (mm)							
			A	B	C	D	E	F	G	H
*3-4	100	2.72	5.60	18.3	11.2	11.9	10.4	9.65	20.6	23.9
*5	100	4.54	6.35	24.6	14.2	15.0	12.7	11.2	23.9	29.5
6-7	100	8.62	7.85	26.2	12.7	19.1	16.8	14.2	30.2	36.6
8	100	12.7	9.65	35.1	19.1	2.4	18.3	17.5	33.3	42.9
9-10	100	21.8	11.2	38.1	19.1	25.4	23.1	19.1	41.4	49.3
11	50	35.4	12.7	47.8	25.4	30.2	26.2	22.4	46.0	58.0
12-13	50	36.3	12.7	47.8	25.4	30.2	28.7	22.4	48.5	58.0
14-15	50	49.4	14.2	57.0	31.8	33.3	31.0	23.9	52.5	63.5
16	50	49.9	14.2	60.5	31.8	33.3	34.0	23.9	52.5	63.5
18-20	25	64	15.7	70.0	36.6	38.1	35.8	26.9	57.0	72.0
22	25	96	19.1	79.0	41.1	44.5	40.4	31.8	62.0	80.5
24-26	10	114	19.1	89.0	46.0	47.8	45.2	31.8	67.0	88.0
28-30	10	128	19.1	98.5	51.0	51.0	48.5	31.8	71.5	91.0
32-34	10	199	22.4	108	54.0	58.5	55.5	36.6	79.5	105
36	10	200	22.4	118	58.5	60.5	58.5	36.6	79.5	106
38	10	247	22.4	125	60.5	66.5	62.0	36.6	86.5	113
41-42	Bulk	319	25.4	135	66.5	70.0	67.5	41.4	92.0	121
44-46	Bulk	424	28.7	146	70.0	77.5	74.5	46.0	97.0	134
48-52	Bulk	590	31.8	164	76.0	86.0	83.5	51.0	113	149
56-58	Bulk	726	31.8	181	81.0	98.5	81.0	51.0	114	162
62-65	Bulk	862	31.8	195	87.5	105	93.5	51.0	103	168
**68-72	Bulk	1043	31.8	211	90.5	111	124	51.0	127	175
75-78	Bulk	1406	38.1	233	98.5	121	119	60.5	149	194
**85-90	Bulk	1814	38.1	273	114	140	152	60.5	157	213

\* Electro-plated U-Bolt and Nuts. \*\* 70mm and 89mm base is made of cast steel.

# SCREW PIN SHACKLES, SHORTENING CLUTCHES



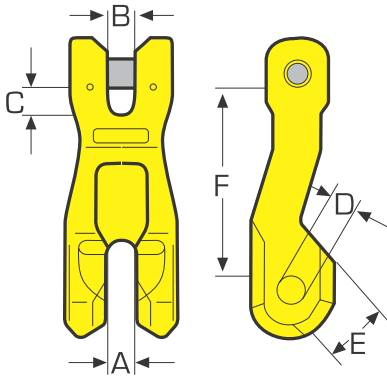
## ALLOY SCREW PIN SHACKLE

Chain Size mm	# WLL	A mm	B mm	C mm	D mm	E mm	F mm	Mass kg	* Embosses WLL in 'T' (2000 lbs)
6.0	1700	9.5	37	17	26	11	25	0.14	1
7.0	3400	12.5	48	21	33	16	30	0.34	3
10.0	5100	16.0	60	27	43	19	40	0.65	4
13.0	7370	19.0	71	32	51	22	48	1.00	6
16.0	11340	25.4	95	43	68	29	60	2.40	10
20.0	13600	28.6	108	46	74	32	67	3.18	12
22.0	15875	31.8	119	52	83	35	76	4.35	14
25.5	22680	38.0	146	60	98	41	92	7.85	20
32.0	34000	44.5	178	73	127	51	110	12.60	30

# All shackles are subjected to a proof of twice the working load limit above Safety of 4:1

Exceeds the requirements of U.S Federal Specification RR-C-271C type IV Class 1

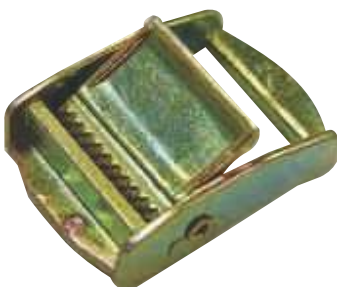
\* The shackles are embossed with a WLL in 'T' (2000 lbs) based on a Factor of Safety of 5:1



## CLEVIS SHORTENING CLUTCH

Chain-Size mm	Code No.	Dimensions mm					Mass kg
		A,B	C	D	E	F	
7/8	KC 7	8	10	9	16	62	0.4
10	KC 10	12	14	12	25	87	0.9
13	KC 13	16	17	15	32	115	1.9
16	KC 16	20	19	19	39	143	3.2

## CAM BUCKLES

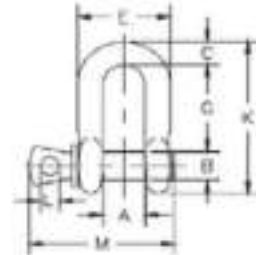
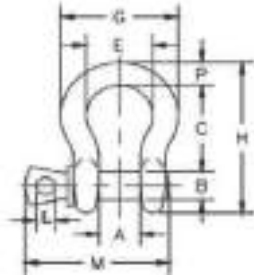


## MAGNETIC LIFTERS



# HIGH TENSILE FORGED SCREW PIN SHACKLES

**SCREW PIN ANCHOR  
SHACKLE**



**SCREW PIN CHAIN  
SHACKLE**

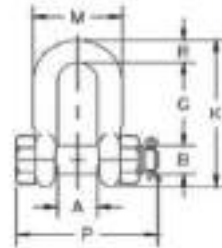
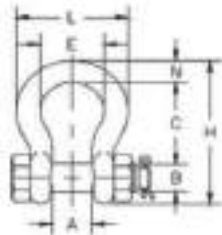


Nominal Size (in.)	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)										
			A	B	C	D	E	F	G	H	L	M	P
3/16	1/3	.03	9.65	6.35	22.4	4.85	15.2	14.2	24.9	37.3	4.06	28.4	4.85
1/4	1/2	.05	11.9	7.85	28.7	6.35	19.8	15.5	32.5	46.7	4.85	35.1	6.35
5/16	3/4	.09	13.5	9.65	31.0	7.85	21.3	19.1	37.3	53.0	5.60	42.2	7.85
3/8	1	.14	16.8	11.2	36.6	9.65	26.2	23.1	45.2	63.0	6.35	51.5	9.65
7/16	1-1/2	.17	19.1	12.7	42.9	11.2	29.5	26.9	51.5	74.0	7.85	60.5	11.2
1/2	2	.33	20.6	16.0	47.8	12.7	33.3	30.2	58.5	83.5	9.65	68.5	12.7
5/8	3-1/4	.62	26.9	19.1	60.5	16.0	42.9	38.1	74.5	106	11.2	85.0	17.5
3/4	4-3/4	1.07	31.8	22.4	71.5	19.1	51.0	46.0	89.0	126	12.7	101	20.6
7/8	6-1/2	1.64	36.6	25.4	84.0	22.4	58.0	53.0	102	148	12.7	114	24.6
1	8-1/2	2.28	42.9	28.7	95.5	25.4	68.5	60.5	119	167	14.2	129	26.9
1-1/8	9-1/2	3.36	46.0	31.8	108	29.5	74.0	68.5	131	190	16.0	142	31.8
1-1/4	12	4.31	51.5	35.1	119	32.8	82.5	76.0	146	210	17.5	156	35.1
1-3/8	13-1/2	6.14	57.0	38.1	133	36.1	92.0	84.0	162	233	19.1	174	38.1
1-1/2	17	7.80	60.5	41.4	146	39.1	98.5	92.0	175	254	20.6	187	41.1
1-3/4	25	12.6	73.0	51.0	178	46.7	127	106	225	313	25.4	231	57.0
2	35	20.4	82.5	57.0	197	53.0	146	122	253	348	31.0	263	61.0
2-1/2	55	38.9	105	70.0	267	69.0	184	145	327	453	35.1	330	79.5

Nominal Size (in.)	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)									
			A	B	C	D	E	F	G	K	L	M
1/4	1/2	.05	11.9	7.85	6.35	6.35	24.6	15.5	22.4	40.4	4.85	35.1
5/16	3/4	.08	13.5	9.65	7.85	7.85	29.5	19.1	26.2	48.5	5.60	42.2
3/8	1	.13	16.8	11.2	9.65	9.65	35.8	23.1	31.8	58.5	6.35	51.5
7/16	1-1/2	.20	19.1	12.7	11.2	11.2	41.4	26.9	36.6	67.5	7.85	60.5
1/2	2	.27	20.6	16.0	12.7	12.7	46.0	30.2	41.4	77.0	9.65	68.5
5/8	3-1/4	.57	26.9	19.1	15.7	16.0	58.5	38.1	51.0	95.5	11.2	85.0
3/4	4-3/4	1.20	31.8	22.4	20.6	19.1	70.0	46.0	60.5	115	12.7	101
7/8	6-1/2	1.43	36.6	25.4	24.6	22.4	81.0	53.0	71.5	135	12.7	114
1	8-1/2	2.15	42.9	28.7	25.4	25.4	93.5	60.5	81.0	151	14.2	129
1-1/8	9-1/2	3.06	46.0	31.8	31.8	28.7	103	68.5	91.0	172	16.0	142
1-1/4	12	4.44	51.5	35.1	35.1	31.8	115	76.0	100	191	17.5	156
1-3/8	13-1/2	5.28	57.0	38.1	38.1	35.1	127	84.0	111	210	19.1	174
1-1/2	17	7.23	60.5	41.4	41.1	38.1	137	92.0	122	230	20.6	187
1-3/4	25	12.1	73.0	51.0	54.0	44.5	162	106	146	279	25.4	231
2	35	19.2	82.5	57.0	60.0	51.0	184	122	172	312	31.0	263
2-1/2	55	32.5	105	70.0	66.5	66.5	238	145	203	377	35.1	330

# HIGH TENSILE FORGED BOLT SHACKLES

**BOLT TYPE ANCHOR  
SHACKLE**



**BOLT TYPE CHAIN  
SHACKLE**



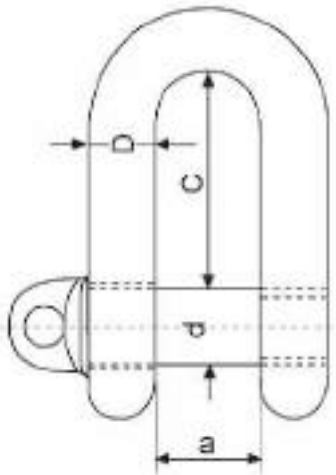
Nominal Size (in.)	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)								
			A	B	C	D	E	F	H	L	N
3/16	1/3	.03	9.65	6.35	22.4	4.85	15.2	14.2	37.3	24.9	4.85
1/4	1/2	.05	11.9	7.85	28.7	6.35	19.8	15.5	46.7	32.5	6.35
5/16	3/4	.10	13.5	9.65	31.0	7.85	21.3	19.1	53.0	37.3	7.85
3/8	1	.15	16.8	11.2	36.6	9.65	26.2	23.1	63.0	45.2	9.65
7/16	1-1/2	.22	19.1	12.7	42.9	11.2	29.5	26.9	74.0	51.5	11.2
1/2	2	.36	20.6	16.0	47.8	12.7	33.3	30.2	83.5	58.5	12.7
5/8	3-1/4	.62	26.9	19.1	60.5	16.0	42.9	38.1	106	74.5	17.5
3/4	4-3/4	1.23	31.8	22.4	71.5	19.1	51.0	46.0	126	89.0	20.6
7/8	6-1/2	1.79	36.6	25.4	84.0	22.4	58.0	53.0	148	102	24.6
1	8-1/2	2.28	42.9	28.7	95.5	25.4	68.5	60.5	167	119	26.9
1-1/8	9-1/2	3.75	46.0	31.8	108	28.7	74.0	68.5	190	131	31.8
1-1/4	12	5.31	51.5	35.1	119	31.8	82.5	76.0	210	146	35.1
1-3/8	13-1/2	7.18	57.0	38.1	133	35.1	92.0	84.0	233	162	38.1
1-1/2	17	9.43	60.5	41.4	146	38.1	98.5	92.0	254	175	41.1
1-3/4	25	15.4	73.0	51.0	178	44.5	127	106	313	225	57.0
2	35	23.7	82.5	57.0	197	51.0	146	122	348	253	61.0
2-1/2	55	44.6	105	70.0	267	66.5	184	145	453	327	79.5
3	†85	70	127	82.5	330	76.0	200	165	546	365	92.0
3-1/2	†120‡	120	133	95.5	372	92.0	229	203	626	419	105
4	†150‡	153	140	108	368	104	254	229	653	468	116

Nominal Size (in.)	Working Load Limit (t)	Weight Each (kg)	Dimensions (mm)								
			A	B	D	F	G	K	M	P	R
1/4	1/2	.06	11.9	7.85	6.35	15.5	19.1	40.4	24.6	39.6	6.35
5/16	3/4	.10	13.5	9.65	7.85	19.1	25.4	48.5	29.5	46.2	7.85
3/8	1	.15	16.8	11.2	9.65	23.1	31.0	58.5	35.8	55.0	9.65
7/16	1-1/2	.22	19.1	12.7	11.2	26.9	36.1	67.5	41.1	63.5	11.2
1/2	2	.34	20.6	16.0	12.7	30.2	41.4	77.0	46.0	71.0	12.7
5/8	3-1/4	.67	26.9	19.1	16.0	38.1	51.0	95.5	58.5	89.5	16.0
3/4	4-3/4	1.14	31.8	22.4	19.1	46.0	60.5	115	70.0	103	20.6
7/8	6-1/2	1.74	36.6	25.4	22.4	53.0	71.5	135	81.0	120	24.6
1	8-1/2	2.52	42.9	28.7	25.4	60.5	81.0	151	93.5	135	25.4
1-1/8	9-1/2	3.45	46.0	31.8	28.7	68.5	91.0	172	103	150	31.8
1-1/4	12	4.90	51.5	35.1	31.8	76.0	100	191	115	165	35.1
1-3/8	13-1/2	6.24	57.0	38.1	35.1	84.0	111	210	127	183	38.1
1-1/2	17	8.39	60.5	41.4	38.1	92.0	122	230	137	196	41.1
1-3/4	25	14.2	73.0	51.0	44.5	106	146	279	162	230	54.0
2	35	21.2	82.5	57.0	51.0	122	172	312	184	264	60.0
2-1/2	55	38.6	105	70.0	66.5	145	203	377	238	344	66.5
3	†85	56	127	82.5	76.0	165	216	429	279	419	89.0

# COMMERCIAL SHACKLES & WIRE ROPE CLAMPS

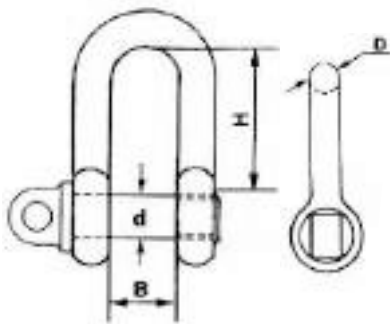
## LARGE DEE SHACKLES Bs3032 TABLE 2

Galvanised and stamped with SWL with Screw Collar Eye Pin



Working Load Limit	Dia bow	Dia pin	Inside Width	Inside Length	Weight per 100
tonne	D mm	d mm	a mm	C mm	kg
0.25	6	8	13	25	11
0.5	10	13	19	38	17
0.75	13	16	29	54	35
1.5	16	19	32	64	66
2	19	22	38	73	102
3	22	25	44	83	157
3.75	25	28	51	95	230
5	28	32	54	105	320
6	32	35	60	114	430
7	35	38	67	127	540
9.5	38	45	70	137	680
11.25	42	48	76	146	870
13	45	51	83	156	1100
14.25	48	54	92	178	1430
16.25	51	57	98	187	2000
18	54	60	105	197	2638
20	57	64	108	210	2827
25	64	73	121	235	3500
30	70	79	133	260	4903
35	76	86	146	279	6356
40	79	89	149	292	7173
50	89	102	171	330	10124
65	102	114	191	375	15073
80	114	127	219	419	21474

## COMMERCIAL DEE-SHACKLES

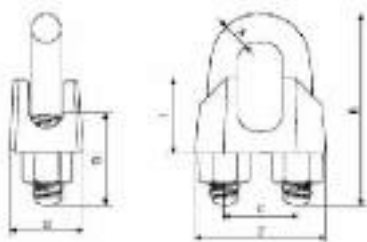


Size mm	D mm	d mm	B mm	H mm	SWL T
4	4	4	8	14	-
5	5	5	10	19	0.008
6	6	6	12	24	0.01
8	8	8	16	32	0.02
10	10	10	20	40	0.032
11	11	11	22	44	0.4
12	12	12	25	48	0.52
14	14	14	28	56	0.645
16	16	16	32	64	0.8
18	18	18	36	71	1
20	20	20	44	76	1.1
22	22	22	44	85	1.5
25	25	24	50	95	2.1
28	28	27	56	106	3
32	32	33	64	120	3.5

Untested Body & Pin equal thickness with Screw Collar Eye Pin

\* NOT RECOMMENDED FOR LIFTING APPLICATIONS

## WIRE ROPE CLAMPS



TO SUIT ROPE SIZE (mm)	Dia	Overall Length of bolt	Inside Width	Length of thread	Length of base	Thickness of base	Height of base	Weight per 100 (kg)
mm	A	B	C	D	F	H	I	kg
4	4	20	9	12	21	10	10	14
5	5	24	11	13	23	11	10	15
6	5	28	13	15	26	12	11	21
8	6	34	16	19	30	14	15	41
10	8	42	19	22	34	18	17	68
13	10	55	24	30	42	23	21	130
16	12	63	29	33	50	26	26	210
19	12	75	32	38	54	29	30	280

Commercial rope clamps (Light Duty) - To DIN 741. Malleable Rope Clamps cannot be torqued and should never be used for lifting applications.



**JAW / EYE**

F.O.S. 5:1

a	b	Total Length		f	g	h	i	j	k	tons		
		Closed	Open									
6	100	170	248	5	19	7	20	13	11	11	0.2	0.14
8	108	189	273	6	25	9	24	14	12	12	0.32	0.24
10	125	216	306	8	26	10.5	28	19	13	13	0.5	0.53
12	195	323	478	10	32	13	34	22	30	15	0.7	0.83
16	230	384	569	12	39	18	42	28	40	20	1.2	1.49
20	270	455	665	16	46	20	51	33	50	24	1.5	2.54
22	286	493	723	20	55	25	55	38	50	24	2.2	3.34
24	325	552	802	22	63	30	70	46	56	28	3.2	4.65
33	370	673	963	30	85	38	82	60	70	35	4.8	10.5
39	400	712	1018	33	86	45	85	76	80	40	6	12.8
45	400	760	1050	39	105	50	100	86	90	45	8.5	20.8
48	400	820	1110	45	120	58	118	92	100	45	11	24



**EYE / EYE**

F.O.S. 5:1

a	b	Total Length		e	f	g	Working load Limit	Approx Mass Per Piece
		Closed	Open					
6	100	165	245	5.5	11	11	0.2	0.13
8	108	178	261	6	12	12	0.32	0.2
10	125	210	308	8.5	13	13	0.5	0.6
12	195	325	484	11	30	15	0.7	0.8
16	230	380	564	12	40	20	1.2	1.4
20	270	455	673	16	50	24	1.5	2.4
22	295	495	736	6	50	24	2.2	3
24	325	545	806	19	56	28	3.2	3
33	370	665	961	29	70	35	4.8	9
39	400	725	1032	34	80	40	6	11.5
45	400	760	1050	30	90	45	8.5	20.8
48	400	820	1110	35	100	45	11	24

TEST CERTIFICATES AVAILABLE  
All the above Rigging Screws are supplied with Locknuts

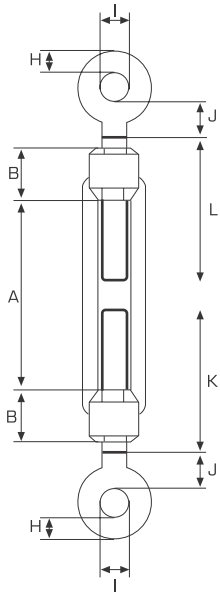
# GALVANISED TURNBUCKLES

TESTED TURNBUCKLES - HOOK/EYE & EYE/EYE TO DIN 1480

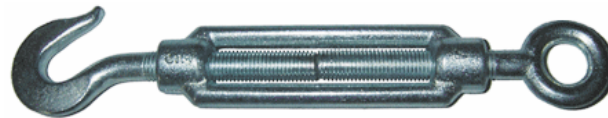
## TESTED TURNBUCKLES - HOOK/EYE & EYE/EYE TO DIN 1480



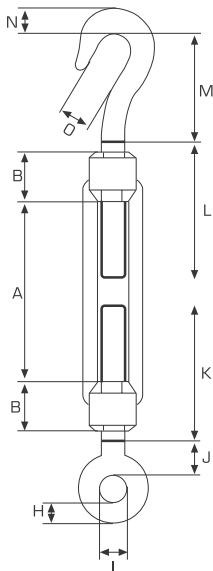
Eye/Eye



Size	A	B	H	I	J	K	L	M	N	O	MAX TENSION	APPROX W/100
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
M5 x 100	70	13	5	7	8	50	50	25	6	6	100	9
M6 x 110	80	15	5.5	8.5	10	55	55	27	8	8	230	11
M8 x 110	75	18	6	10	8	60	60	30	10	11	410	20
M10 x 125	85	20	8	12.5	13	70	63	32	13	10	650	28
M12 x 125	80	23	10.5	17	14	65	65	45	15	16	930	43
M16 x 170	110	30	14	19	22	88	90	48	18.5	20	1770	100
M20 x 200	130	35	14	24	22	105	103	61	24	22	2700	160
M22 x 220	145	38	17	27	25	115	115	70	29	26	3390	220
M24 x 255	170	43	18	27	25	135	135	70	31	27	3920	280
M30 x 295	160	48	20	31	30	135	140	75	38	31	6250	410
M32 x 295	180	58	22	34	30	155	150	90	39	36	6600	600
M36 x 295	180	58	28	38	33	160	160	100	45	44	9280	730
M42 x 330	200	65	32	49	40	170	190	150	52	48	13200	1290
M48 x 355	200	80	37	58	55	185	190	170	60	58	16800	2100



Hook/Eye



Size	A	B	H	I	J	K	L	M	N	O	MAX TENSION	APPROX W/100
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
M5 x 100	70	13	5	7	8	50	50	25	6	6	100	9
M6 x 110	80	15	5.5	8.5	10	55	55	27	8	8	230	11
M8 x 110	75	18	6	10	8	60	60	30	10	11	410	20
M10 x 125	85	20	8	12.5	13	70	63	32	13	10	650	28
M12 x 125	80	23	10.5	17	14	65	65	45	15	16	930	43
M16 x 170	110	30	14	19	22	88	90	48	18.5	20	1770	100
M20 x 200	130	35	14	24	22	105	103	61	24	22	2700	160
M22 x 220	145	38	17	27	25	115	115	70	29	26	3390	220
M24 x 255	170	43	18	27	25	135	135	70	31	27	3920	280
M30 x 255	160	48	20	31	30	135	140	75	38	31	6250	410
M32 x 295	180	58	22	34	30	155	150	90	39	36	6600	600
M36 x 295	180	58	28	38	33	160	160	100	45	44	9280	730
M42 x 330	200	65	32	49	40	170	190	150	52	48	13200	1290
M48 x 355	200	80	37	58	55	185	190	170	60	58	16800	2100

# LIFTING EQUIPMENT REPAIRS



ALL REPAIRS ARE PROOF  
LOADED AND  
DELIVERED WITH RELEVANT  
CERTIFICATE OF TEST &  
CONFORMANCE



- CHAIN SLINGS
- MANUAL CHAIN HOISTS
- ELECTRIC CHAIN HOISTS
- PNEUMATIC CHAIN HOISTS
- MANUAL LEVER HOISTS
- TIRFOR WIRE ROPE WINCHES
- PNEUMATIC WINCHES
- FLAT WEBBING & ENDLESS ROUND SLINGS



**SPECIALISTS IN REPAIRS  
OF ALL MAKES AVAILABLE  
IN SOUTH AFRICA**

# TRUCK PARTS

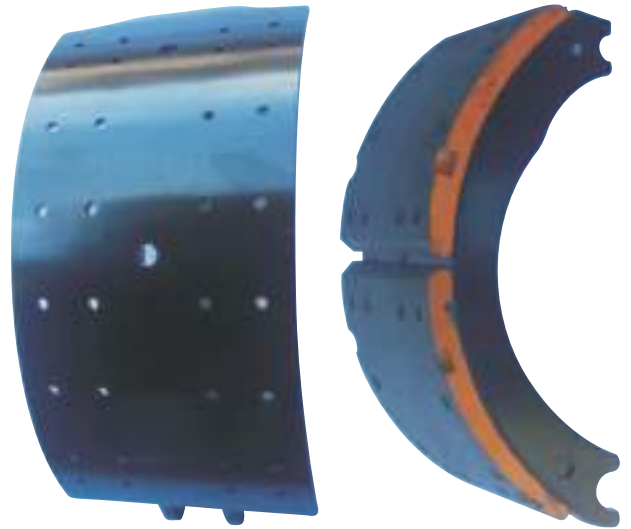
## BRAKE DRUM 403

420 x 180mm / 10S 24mm



## BREAK SHOE (UNLINED AND LINED)

16.5 x 7 / 4515



## PROPAR HUB P/PAR B/BOARD



## BOTTLE JACK



# TRUCK PARTS

**EQUALIZER ROCKER / ROCKER PIN**  
8mm / Complete-EN9 (50 x 30mm)



**U-BOLT**  
M22 x 400mm



**LEAF SPRING PACK**  
8/9 Blade Leaf spring



**Air brakes components**



**Truck components & Accessories**



**General components**



**Axle components**



**Truck & Trailer Body components**



**Batteries**



**Suspension components**



**Trailer components & Accessories**



**Steering components**



**Lighting & Electrical components**



**Light duty components**



**Lubricants**

# FALL ARREST HARNESSSES



HAK 2



HAK 2A



HAK 2AS



HAK 2AS-HOOK



HAK 3



HAK 7A

## Basic Harness (SC2)

Application: Fall arrest  
Attachment: Dorsal position (for fall arrest)  
Features: Easy to fit harness - lightweight  
Lanyard Set: Double leg lanyard with scaffold hooks. Energy absorbing element. 1.75m long (including energy absorber)  
Adjustment: Leg straps (standard buckles)  
Chest strap (25mm dee rings)  
Sizing: Small, medium, large, XL and 2XL  
Options: *Harness Step*® can be fitted (not supplied standard)

## Performance Harness

Application: Fall arrest  
Attachment: Dorsal position (for fall arrest)  
Features: Easy to fit. Lightweight. Padded dorsal attachment point  
Adjustment: Leg straps (standard buckles)  
Shoulder straps (standard buckles)  
Chest strap (standard buckle)  
Sizing: Small, medium, large, XL and 2XL  
Options: *Harness Step*® can be fitted (not supplied standard)

## Basic Harness (SN2)

Application: Fall arrest  
Attachment: Dorsal position (for fall arrest)  
Features: Easy to fit harness - lightweight  
Lanyard Set: Double leg lanyard with snap hooks. Energy absorbing element. 1.75m long (including energy absorber)  
Adjustment: Leg straps (standard buckles)  
Chest strap (25mm dee rings)  
Waist belt (standard buckles)  
Sizing: Small, medium, large, XL and 2XL  
Options: *Harness Step*® can be fitted (not supplied standard)

## Performance Harness (Padded)

Application: Fall arrest  
Attachment: Dorsal position (for fall arrest)  
Features: Easy to fit. Lightweight. Padded dorsal attachment point. Padded leg straps  
Adjustment: Leg straps (standard buckles)  
Shoulder straps (standard buckles)  
Chest strap (standard buckles)  
Sizing: Small, medium, large, XL and 2XL

## Belted Harness (SC2)

Application: Fall arrest  
Attachment: Dorsal position (for fall arrest)  
Features: Easy to fit lightweight  
Lanyard Set: Double leg lanyard with scaffold hooks. Energy absorbing element. 1.75m long (including energy absorber)  
Adjustment: Leg straps (standard buckles)  
Chest strap (standard buckles)  
Waist belt (standard buckles)  
Sizing: Small, medium, large, XL and 2XL  
Options: *Harness Step*® can be fitted (not supplied standard)

## Lanyard (SC2)

Application: Fall arrest  
Hooks: Two scaffold hooks  
Features: Energy absorbing element. Double leg 45mm webbing lanyards.  
Sizing: 1.75m long (including energy absorber). Custom length between 1m and 2m  
Connectors: Carabiner (as standard)  
Alternatively snap hook or quick link connector.  
Options: Available in single or double leg configuration. Also available with snap hooks.

Reflective tape lime with silver reflective. 100meter per roll

AH3402



**AH500MM**  
Road cone  
500mm



**AH1403**  
Warning cone  
45CM



**AH3601**  
Momi  
Kidney Belt



**AHKN01**  
Knee pad,  
6 points

**Ah2128**  
Reusable ear  
plug with cord  
in a box



**AH2122**  
Disposable foam  
uncorde ear plug



**AH2219**  
Clear face  
shields



**Ah2125**  
Ear muff  
universal



**MFAB-E**  
Metal First aid Box-Empty



**RS3025-08**  
Safety boots



**Ah2409**  
Nylon black frame  
polycarbonate lens.  
Green lens.



**Ah2404**  
Momi wrap around  
clear anti scratch



**Ah2417**  
Safety glasses  
Dark Gr



**Ah2407**  
Safety glasses  
Momi Euro  
clear



**Ah2410**  
Safety glasses  
Momi Euro grey



**Ah3407**  
Barrier Netting  
1m x 50m



**Ah2914**  
Reflective waist  
coat Orange



**Ah2909**  
Reflective waist  
coat zip  
LIME



**Ah1216**  
Green Leather  
Lined Wrist  
Welding Glove



**Ah1000**  
PVC gloves  
knit wrist



**Ah1423**  
Griper latex  
Dipped  
Gloves



**Ah1100-35**  
Rubber gloves  
heavy duty 35cm



**Ah3103M**  
Yellow PVC  
rainsuit



**Ah3124**  
Navy rubberised  
rainsuit



# PPE





# Heavy Duty **Lifting**

- Suppliers of all lifting equipment ·
  - Load testing ·
  - Sling inspections ·
- Manufacture & repairs to overhead cranes ·
  - Radio remotes ·
  - Factory maintenance ·
    - Building work ·
    - Steel fabrication ·
- Repairs to forklifts & engineering ·



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    Jibs and A-Frames
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    and construction
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# Background

Heavy Duty Lifting Is a Proud Company that was established in the Year 2015.

We Are Proud of Who We Are and promise to satisfy our clients at all times and to ensure the latest SANS standards to be enforced on your site at all times.

We strive to do honest and ethical business and ensure our 100% hands on at all times.

Heavy Duty Lifting is LME and LMI Registered.

## Quality Policy

We commit ourselves

- A service that meets the requirements of our clients, first time every time
- Provide well managed, trained and motivated personnel
- Rendering above average services to the satisfaction of our clients in the field of materials handling equipment and service that will highlight our competence.

We Strive For:

- Long term relationship with our clients.
- Safety, quality and professionalism
- Keeping to date with SANS Standards
- Keeping our clients happy and peace of mind.



# Products and Services

## 3. CRANE BREAKDOWNS

- Heavy duty lifting proud itself to attending to crane breakdowns with immediate response, normal and after hours, 24 hours a day 365 days a year.
- Heavy duty lifting 24 hour emergency number is: Shane Cox (071 330 0827)



## 3.1 OVERHEAD CRANES, JIBS AND A-FRAMES

### CRANE INSPECTIONS AND PREVENTIVE MAINTENANCE

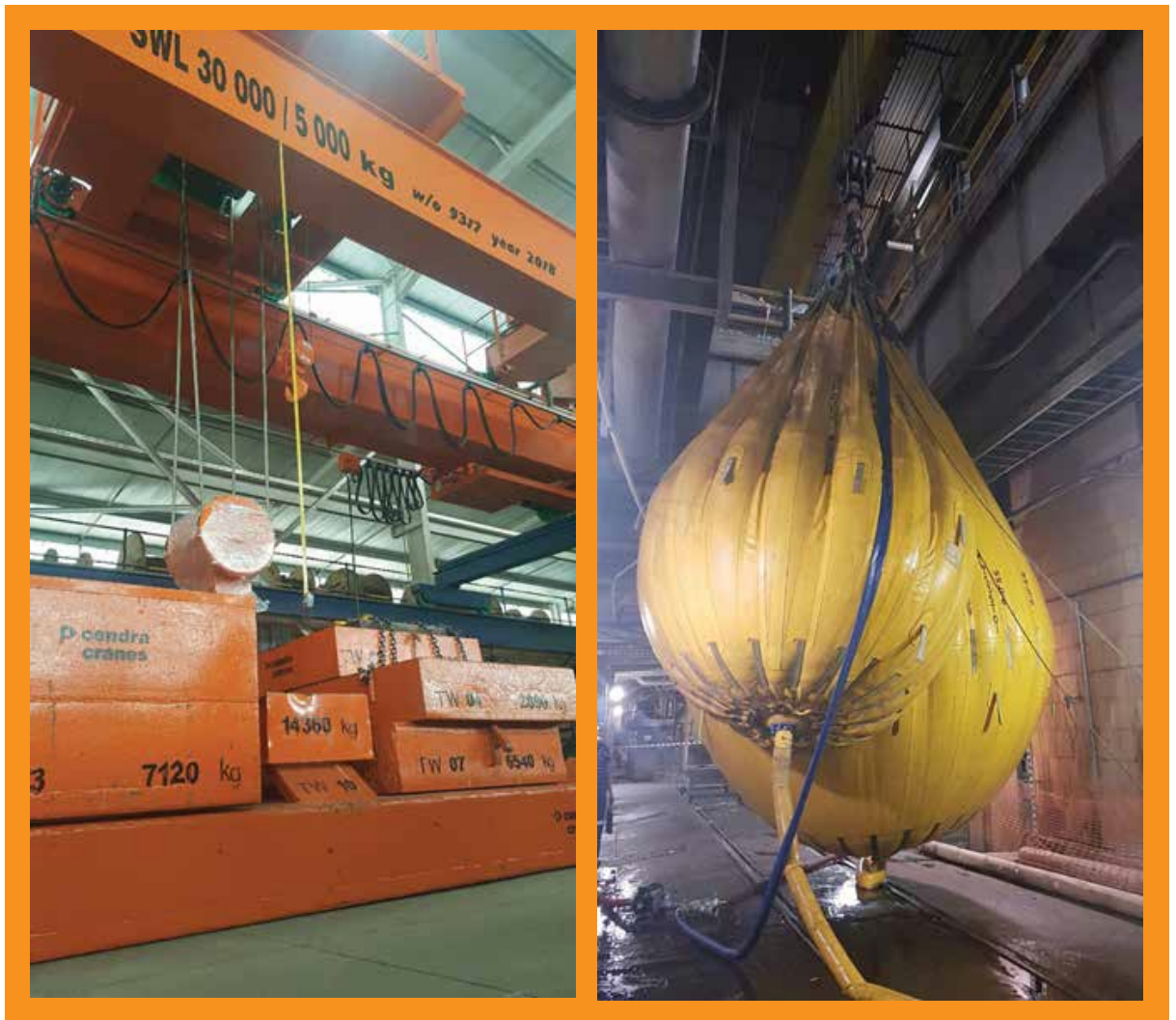
- According to DMR 18.6 Crane inspections MUST be done on a 6 monthly basis. Heavy duty lifting's certified inspectors and trained technicians provide accurate assessment of the condition of your equipment they evaluate and identify risks and improvement opportunities and provide recommendations on any upgrades or repairs needed. We will also advise on repairs what is critical, and non-critical repairs.
- With our service we also issue photographs of the crane's and critical repairs.



# Products and Services

## CRANE LOAD TESTING

- According to DMR 18.5 and SANS 10375 lifting equipment must be load tested on a yearly basis.
- Heavy Duty Lifting's LMI is trained to carry out load testing/performance tests to lifting equipment.
- We make use of solid or water weights when load testing according to client's site and recommendation.
- Transportation of solid weights to anywhere in SA is available.



# Products and Services

## CRANE MANUFACTURING

- Heavy Duty Lifting manufactures all types of cranes, jibs and A-frames to any capacity to suit your specifications. We also manufacture all types of gantries.
- All manufacturing is done according to engineering drawings.



# Products and Services

## 3.2 LIFTING TACKLE

- According to DMR 18.10 all lifting tackle must be inspected and colour coded on a 3 monthly basis.
- Heavy Duty lifting's trained inspectors are trained to inspect and ensure that the lifting tackle meets the required safety standards.
- We provide a file with all certificates for individual lifting tackle delivered to you.
- Suppliers of quality lifting tackle.
- We implement a numbering system for lifting tackle for clients.



# Products and Services

## 3.3 ELECTRICAL

- Designing and building of all single and dual speed electrical panels.
- Supplier of all electrical components, cables, globes and switchgear etc.
- Upgrades of existing panels to VSD'S
- Rewiring of cranes.
- Suppliers of wireless radio remote control systems
- Motor Rewind's



# Products and Services

## 3.4 FACTORY MAINTENANCE & CONSTRUCTION

- Building work, foundations, etc
- High bay lights
- Db board repairs
- Welding machine repairs
- Hydraulic repairs.
- Machining
- Spray booth manufacturing from start to finish.



# Products and Services

## 3.5 STEEL FABRICATION

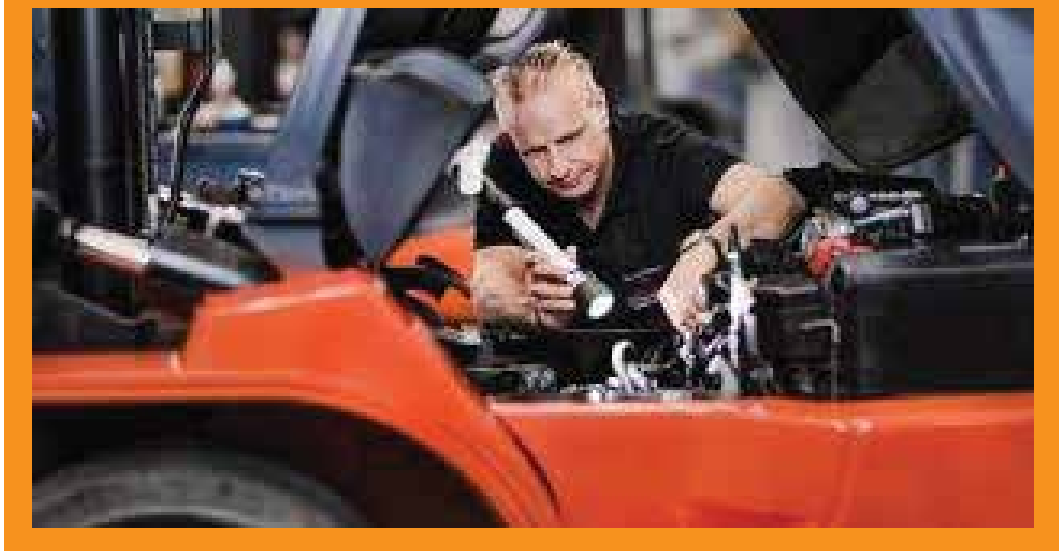
- Heavy duty lifting does light to heavy steel fabrication for any application with approved engineer drawings.
- We design and fabricate man cages, spreader beams and lifting attachments.
- New factories design and drawings
- Erection of all steelwork.



# Products and Services

## 3.6 FORKLIFTS

- Heavy duty lifting does servicing on diesel, petrol and LPG forklifts as well as load testing.
- We also do refurbishments, maintenance and repairs.





**DEPARTMENT  
OF LABOUR**

# *Certificate*

**This is to certify that**

**HEAVY DUTY LIFTING (PTY) LTD**

**has been approved in terms of  
Driven Machinery Regulation 18(5)  
of the**

**Occupational Health and Safety Act, 1993  
Examining and testing of lifting machines and lifting tackles.**

**Scope of Approval:**

- **Overhead cranes**
- **Jib Cranes**

**Signed on:** 1/16/2018

**Chief Inspector:**

**No: LME 482**

# Engineering Council of South Africa



This is to  
certify  
that

*Shane Cox*

is registered as *Registered Lifting Machinery Inspector*

in terms of the Engineering Profession of South Africa Act 2000  
(Act No. 46 of 2000)

Date *2023-09-07*

Registration  
Number *2023120168*

President

Chief Executive Officer



*ECSA-00114331*



**Heavy Duty**  
**Lifting**

## Contact Information

Office: 011-740-0129

Accounts: **Lizelle Baille** - 011-740-0129  
[admin@heavydutylifting.co.za](mailto:admin@heavydutylifting.co.za)

Sales: **Brandon Willett** - 067-374-7418  
[admin@heavydutylifting.co.za](mailto:admin@heavydutylifting.co.za)

Director: **Shane Cox** - 071-330-0827  
[shane@heavydutylifting.co.za](mailto:shane@heavydutylifting.co.za)

[www.heavydutylifting.co.za](http://www.heavydutylifting.co.za)



**Heavy Duty**  
**Lifting**



**Heavy Duty Lifting (PTY)Ltd.**  
**Reg No: 2015/195098/07**  
**VAT No: 4260276599**

**109 Neutron Road Unit 4B**  
**Vulcania, Brakpan**

**Office No: 011-740-0129**  
**[www.heavydutylifting.co.za](http://www.heavydutylifting.co.za)**

