

**KENNARDS**  
**HIRE**

*Make your job EASY!*

# **KENNARDS HIRE LIFT & SHIFT**



# **EQUIPMENT HIRE CATALOGUE**

*Kennards Hire has been an iconic brand for many years in the hire industry, and it is a privilege for me to have joined an organisation that is not only known for being a premium hire brand, but that is also known for having an amazing family culture with staff that love serving customers and work to create a delightful hire experience.*

*An Australian family-owned company with a proud history, today Kennards Hire have more than one hundred and sixty hire centres in Australia and New Zealand, but we still retain the personal touch that sets us apart from other hire companies. When you hire from Kennards, you can expect friendly service that is second to none – whether it's an urgent delivery to your job site or after hours help when you need it.*

*As CEO, my main objective is to support our team in delivering outstanding service to you, our customers, at every opportunity. Whether you are a professional tradesperson, a project, site or construction manager or a renovation enthusiast, delivering the latest equipment and excellent quality, reliability and value is our priority.*

*We have substantially expanded our business to include specialist hire centres with purpose built equipment and highly trained staff who understand your needs and offer round the clock support. We've partnered with leading suppliers to offer you more tools and equipment to make your job easy. We've sought and implemented world's best practice to improve our service and ensure our equipment is always in good working order.*



*Our hire centres are conveniently located in the places you need them, close to your work site or your daily commute. These are just some of the ways we're determined to add more value to your hiring experience.*

*So whether it's the assistance that we offer or the extensive range of equipment that we provide, you can be confident that Kennards Hire will help you get the job done. We look forward to seeing you soon.*

A handwritten signature in black ink that reads "Liz Ward".

Liz Ward  
CEO



*In 1948, my grandfather created Kennards Hire by opening one small outlet in Bathurst. Today, we're still a family-owned business, despite having grown into one of Australia's leading hire companies, and we proudly employ over 900 staff. Our heritage spans more than 65 years in the hire industry and we have an enviable reputation for quality, reliability, value for money and service.*

***Our people are a fundamental reason for our success – without them we would be just another hire company. Their passion and commitment to making your job easy is what sets us apart from our competition.***

*Kennards has always been at the forefront of the equipment hire industry. Our operations are regarded as the benchmark to emulate, both here in Australia and overseas. So you can be confident that with Kennards on the job, you're in good hands.*

A handwritten signature in black ink that reads "Angus Kennard".

Angus Kennard  
Kennards Hire



# THE HIRE STANDARD

Easy. We think that's how life should be for all our customers. And by opening up new branches, we're helping make this a reality – whether you're a professional tradie or DIY home improver.

With over 65 years' experience, we're always expanding our range of equipment and services to suit the needs of our customers. We also have a range of specialist businesses – like Concrete Care, Lift & Shift, Pump & Power, Traffic, Test & Measure and Rail.

So when you come into any Kennards Hire branch in Australia or New Zealand, no matter what you need – our job is to make your job easy.

## LIFT & SHIFT

It's true many hands make light work, but our equipment can make it even lighter. Whatever the job, whether it's a small project at home or a large commercial construction, we've got the tools to help you do it.

Visit Lift & Shift to pick up everything from stair trolleys and skates, hoists, conveyors and glass handlers, to 30 tonne chain blocks, winches, cranes and even self-contained breathing and safety equipment.

## CONTENTS

HYDRAULIC JACKING & TOOLS	5
JACKING & PROPPING	19
TROLLEYS, SKATES & PALLET TRUCKS	25
GANTRIES, FORKLIFTS, CRANES & ATTACHMENTS	35
CHAINBLOCKS & WINCHES	53
HOISTS & CONVEYORS	61
ROCK & BLOCK HANDLING	69
GLASS HANDLING	73
CONFINED SPACE & HEIGHT SAFETY	85
CABLE HAULING & TOOLS	91
RAMPS	103
GENERAL LIFTING	105
RUBBISH CHUTES	109
RIGGING ACCESSORIES	111
RIGGING HARDWARE	115
LOAD MEASURING, TESTING & CERTIFICATION	117
TECHNICAL INFORMATION	119
INDEX	144









# **WELCOME TO KENNARDS HIRE LIFT & SHIFT**

# **WE'VE GOT THE SOLUTION**

Handling and moving materials can be a complex operation. You may not have the right equipment and, at times, you may not be sure how to go about it.

That's when Kennards Hire Lift & Shift can help.

Our name is synonymous with lifting and materials handling solutions. Whatever you need to lift and shift, we can provide the equipment and advice to help you safely and efficiently move bulky, awkward or heavy loads.

Knowledgeable staff, excellent customer service and reliable, modern equipment make Kennards Hire Lift & Shift the first choice.

Our range is comprehensive and well maintained. Plus it's backed by the benefits of belonging to the Kennards group:

- We only stock leading, reputable brands with proven performance.
- Our highly trained, friendly and professional staff understand your needs.
- Convenient locations in Australia and New Zealand plus on site delivery and pick up.
- 24 x 7 service.

When you need temporary equipment to load, unload, place and move goods, talk to us first. We understand materials handling and can offer you a solution that gets the job done efficiently, everytime.

**[www.kennardshire.co.nz](http://www.kennardshire.co.nz)**  
**[www.kennards.com.au](http://www.kennards.com.au)**

# BE IN THE KNOW WITH QR CODES

## A FIRST FOR THE HIRE INDUSTRY



A lot of work goes into making Kennards equipment 'Ready for Hire'. We want you to have information about our equipment at your fingertips – so we've made it simple.

Scan the QR code on the 'Ready for Hire' label with your handheld device or on your desktop enter the equipment plant number into [kennards.com.au/plantportal](http://kennards.com.au/plantportal)

You'll get the inside scoop on:

- Full service history
- Certificate of Test and Examination
- Operator's manual
- Risk assessment
- Pre-delivery checklist
- Online-operator safety checks
- User guide
- Equipment videos
- Maintenance schedule
- Insurance details
- Safety alerts

What's more now 'Online Operator Safety Checks' can be recorded straight into the Plant Portal.

You will have instant access to all the right information anywhere, anytime. QR codes are an industry first and are just one way we try and make your job easier!







**Hydraulic equipment that pulls, lifts, tensions or positions heavy loads and other applications.**

<b>PORTA POWER PUMPS</b>	<b>6</b>
<b>HYDRAULIC TOOLS</b>	<b>12</b>
<b>BOLTING</b>	<b>14</b>

**KENNARDS**  
HIRE

## HYDRAULIC JACKING &amp; TOOLS

## PORTA POWER PUMP ELECTRIC



For multiple and synchronised lifts or larger cylinders. Also for tools requiring repetitive actions eg. hole punches.

**Features**

- Single-acting and double-acting valves available.
- All power units have an externally adjustable pressure relief valve and offer a range of directional control-valve options to operate single and double acting cylinders.
- 4 way/3 position directional control valve for controlling double acting cylinders.
- 240V-415V options available.

## PORTA POWER PUMP ELECTRIC 240 V

Code	Volts	KW	Usable Oil Capacity	Valve Type: Sol = Solenoid, Man = Manual	Flow Rate	Weight (approx)
250082	240V	0.4Kw	6 litres	Double acting 3 way /3 position directional control valve for controlling single acting cylinders. Manual.	6.6Lpm @ 41.4 bar 0.3Lpm @ 700bar	28kg
1001519	240V	1.1Kw	20 litres	4 way /3 position directional control valve for controlling double acting cylinders. Manual.	1st stage 10.5Lpm @ 50 bar 2nd stage 0.9Lpm @ 700 bar	41kg

## PORTA POWER PUMP ELECTRIC 415 V

1001518	415V	5.5Kw	50 litres	4 way /3 position directional control valve for controlling double acting cylinders. Manual.	Single speed 4Lpm @700 bar	190kg
1001521	415V	4Kw	100 litres	Double acting split flow 4way /3 position directional control valve for controlling double acting cylinders. Manual.	Single speed 0.73Lpm @700 bar	240kg

## HAND PUMP



Product code	250080			* Usable oil capacity.
Pressure Rating	14 bar & 197 bar	700 bar	20 bar & 700 bar	28 bar & 700 bar
Volume Per Stroke	13.4 & 2.6ml	2.6ml	13 & 2.3ml	46 & 3.9ml
Oil Capacity*	328ml	738ml	1800ml	2950ml
Weight	5kg	8kg	11.5kg	12kg

Simple and fast method of pumping all types of hydraulic cylinders.

**Features**

- Larger oil capacities available for larger cylinders.
- Single and double speed pumps with internal pressure relief valve.
- Variable pressure release speed.

## AIR / HYDRAULIC PUMPS



Product code	1001550	1001555
Model	PA133 Enerpac	PA91 Simplex
Flow Rate	8 cu <sup>3</sup> /min	6 cu <sup>3</sup> /min
Pressure Range	60 to 120 psi	60 - 150psi
Usable Oil Capacity	589ml	1480ml
Weight	5.5kg	9kg

For larger cylinders in areas where electric motors can't be used.

**Features**

- Requires 100psi input air pressure.



## CYLINDERS



For just about any application involving lifting, pulling, pushing, bending, load testing or clamping.

### Features

- Various capacities, heights, and stroke lengths.
- Threaded collar and base mounting holes enable easy securing.
- Can be used sideways or inverted.

\*Available in varying sizes and capacities. See pages 10-11.



## HOSES



Product code 1001560

Hoses of varying length to suit hydraulic cylinders and pumps.

### Features

- Used where the pump and ram are separated by distance.
- Proof tested to NATA.



## PORTA POWER GAUGE



Product code 1001570

Power Gauge ensures correct pressure applied.

### Features

- Gauges read up to 700 bar (10,000psi).
- Liquid filled on digital.
- Analog and digital available.



## MANIFOLD



Product code 1001594

Used for multiple-cylinder lifting from one pump. Allows for synchronised lifting from one pump.

### Features

- Available in dual, quad, hexagon or octagonal ports.
- Fitted with quick release couplers so not all ports need to be operational.



## HYDRAULIC JACKING &amp; TOOLS

## VALVES



Product code 250380

- For adjustment of flow rates for synchronised lifting and for load holding.
- Holds loads or controls ascent and descent of cylinders.
- Provides smooth chatter free lifting and lowering when used with double acting cylinders.
- It has a pilot pressure adjusting range of 50-350 bar and can be mechanically locked once set.

## BASES



Model	Cylinder Capacity	A	B	C	D	E
CB10	10T	228	228	135	58	20
CB25	25T	279	279	140	86	26
CB50	50T	300	300	100	130	41

For increasing the load-bearing surface, particularly useful for softer ground.

**Features**

- Available in varying sizes.

## BOLTING SYSTEM AND POWER PACK



Product code 200150

Specified for heavy duty and high vibration applications, the bolting system swages a collar into locking grooves on the bolt producing a permanent lock. Guaranteed for mechanical strength and safe installation.

**Application**

They are ideal for reducing failures on switches and crossings, and while being easy to install they boast a constant high clamp force and ensure maximum joint integrity.

**Features**

- 240V Over Hydraulic Power Pack.
- 7/8 - 1 inch installation tool.
- 1 inch nose assembly.





# SPECIALISTS IN BIG LIFTING EQUIPMENT

Contact Kennards Hire Lift & Shift for more info about our synchronised lifting system.

To find out more, visit your local Kennards Hire Lift & Shift branch today, or visit our equipment range and hire online.

**AUSTRALIA**

**1300 897 419**

[www.kennards.com.au](http://www.kennards.com.au)

**NEW ZEALAND**

**09 273 3129**

[www.kennardshire.co.nz](http://www.kennardshire.co.nz)

**KENNARDS**  
HIRE

## HYDRAULIC JACKING &amp; TOOLS

Code	Model	*Cap (tons)	Stroke (mm)	Min. Height (mm)	Ext. Height (mm)	Weight (kg)	Oil cap. Req'd (cu cm)	Body O.d (mm)	Piston Rod Diameter (mm)
1001610	Standard Cylinder	5	76	165	241	1.5	49	38	25.4
1001620	Standard Cylinder	5	127	216	343	1.8	82	38	25.4
1001630	Standard Cylinder	5	232	324	556	2.5	161	38	25.4
250085	Standard Cylinder	10	105	175	280	2.8	225	57	38.1
250088	Standard Cylinder	10	54	121	175	2.2	151	57	38.1
250090	Standard Cylinder	10	156	250	406	4	295	57	38.1
1001720	Standard Cylinder	10	257	355	612	5.4	372	57	38.1
1001730	Standard Cylinder	10	305	400	705	6.1	443	57	38.1
250094	Standard Cylinder	10	356	451	807	6.9	516	57	38.1
1001760	Standard Cylinder	15	152	271	423	6.6	311	69	41
250100	Standard Cylinder	20	100	242	342	10	311	85	57.2
250095	Standard Cylinder	25	102	216	318	8.2	338	85	57.2
250105	Standard Cylinder	25	159	273	432	10.4	528	85	57.2
1001810	Standard Cylinder	25	210	324	534	12.2	696	84	57.2
1001820	Standard Cylinder	25	362	476	838	17.7	1203	85	57.2
250122	Standard Cylinder	50	100	214	314	20	708	125	79.5
1001875	Standard Cylinder	50	159	282	441	23.1	1132	127	79.5
1001939	Standard Cylinder	500	300	645	845	350	21922	400	305
1001680	Low Profile Cylinder	10	25	90	115	1.6	36	57	38.1
1001670	Low Profile Cylinder	10	38	88	126	2.6	56	69	38
1001780	Low Profile Cylinder	20	44	98	142	4.8	128	91	50
1001855	Low Profile Cylinder	30	62	117	179	6.2	259	100	56
250120	Low Profile Cylinder	50	50	164	214	15	355	125	56
1001870	Low Profile Cylinder	50	63	122	185	10.3	374	125	56
1001900	Low Profile Cylinder	100	57	141	198	20.2	724	163	91
1001885	Lock Nut Cylinder	60	50	125	175	15	433	140	25
1001903	Lock Nut Cylinder	100	150	236	386	9.8	709	130	127
	Lock Nut Cylinder	200	51	241	292	106	1450	184	184
9002733	Lock Nut Cylinder	250	45	159	204	74	N/A	275	200/275
1001937	Lock Nut Cylinder	400	150	435	585	327	8394	350	25



Code	Model	*Cap (tons)	Stroke (mm)	Min. Height (mm)	Ext. Height (mm)	Weight (kg)	Oil cap. Req'd (cu cm)	Body O.d (mm)	Piston Rod Diameter (mm)
1001910	Hollow Hole Cylinder	12	8	56	64	1.4	15	69	35
	Hollow Hole Cylinder	12	41	121	162	3	74	69	35
	Hollow Hole Cylinder	12	76	184	260	4.5	136	69	35
1001920	Hollow Hole Cylinder	20	51	157	208	7.7	180	100	53
1001925	Hollow Hole Cylinder	30	64	178	242	11.8	361	125	63
1001925	Hollow Hole Cylinder	30	155	330	485	21.8	720	114	63.5
1001850	Hollow Hole Cylinder	30	156	311	467	24	1050	114	63.5
1001928	Hollow Hole Cylinder	60	76	247	323	28.1	629	159	91.9
1001930	Hollow Hole Cylinder	100	76	229	305	45	1016	206	125
1001905	Hollow Hole Cylinder	100	152	305	457	52	693	212	127
1001600	Flat Jack (Pan Cake)	5	16	41	57	1.1	10	58	25.4
1001660	Flat Jack (Pan Cake)	10	11	43	54	1.5	16	81	19
250102	Flat Jack (Pan Cake)	20	11	52	63	2.7	31	100	28
250125	Flat Jack (Pan Cake)	30	12	59	71	3.9	52	112	34
250121	Flat Jack (Pan Cake)	50	16	67	83	6.6	98	137	44
1001890	Flat Jack (Pan Cake)	100	16	86	102	14.1	202	175	63
1001906	Flat Jack (Pan Cake)	150	16	100	116	26.3	317	215x190	114.3
1001935	Flat Jack (Pan Cake)	400	50	265	315	200	2798	350	267
1001880	Double Acting Cylinder	55	156	332	488	30	1110	127	95
1001877	Double Acting Cylinders	push 55	156	333	489	38.6	754	125	78
		push 17							
9002247	Double Acting Hollow Cylinder	30	178	330	508	21	830	114	63.5
9002764	Double Acting Hollow Cylinder	100	257	460	717	106	3421	212	127
9002469	Double Acting Hollow Cylinder	150	150	296	446	65	4142	205	114.1
9002454	Double Acting Hollow Cylinder	300	150	412	562	232	6839	310	197.1
1001947	Puller Ram	10	150	289	441	5	227	57	30
1001947	Puller Ram	20	150	657	807	13.5	424	108	45

Larger cylinders are available - details on request. \* 1 Ton = 907 kg (1 tonne = 1000kg)

## BEARING PULLERS



Product code	1001955	1001970	1001972
Force	10 ton	20 ton	30 ton
Jaw Spread	485mm	570mm	680mm

Pulls bearings, flywheels, couplings, gears and pressed fittings off shafts.

**Features**

- Does away with the need to hammer, heat or pry by applying direct even pulling force.
- A range of fittings are available for different pulling applications including internal pulling.

**Rule of thumb:** the size of the puller needed to remove a bearing is 7 to 10 times the shaft  $\varnothing$ . If the shaft is 2"  $\varnothing$  you will need between 14 - 20 tons.

## HOLE PUNCHES



\* Mild steel when hole diameter between 13 and 20mm.

Product code	1001995
Capacity	20mm
Throat Depth	70mm
Hole Size	Up to 20mm
Steel Thickness	Up to 13mm
Weight	15kg

Punches holes through mild or stainless steel. Good for structural applications or general fabrications.

**Features**

- Large throat.
- Changeable punch or die for different diameter holes.

## NUT SPLITTERS



Product code	1001954	1001955	1001957	1001960
Description	Nut splitter 19-24mm	Nut splitter 24mm-34mm	Nut splitter 32mm- 44mm	Nut splitter 41mm-50mm
Stud Diameter (inch)	3/4-15/16	15/16 - 1 1/4	1 1/14 - 1 5/8	1 5/8 - 2
Nut size	19mm-24mm	24mm-32mm	32mm-41mm	41mm-50mm

For removing stubborn nuts. The specially designed head fits all A.P.I. and ANSI flanges and cuts hex, square and 12 point nuts. You can easily calibrate the cutting chisel so only the nut is cut without damaging the bolt or stud.

**Features**

- Cuts hardened nuts up to grade 8 and 2H.
- Will not cut stainless.

## SPREADERS



Product code	250130	1001945	1001946
Force	1000kg	1500kg	14T
Jaw Spread	12-99mm	19-220mm	6-81mm

Great for breaking away concrete forms, bending, clamping or just plain lifting and positioning.

**Features**

- Compact, lightweight and easy to use.

## PULLER RAMS



Product code	1011947	1001948
Cylinder Capacity	10T	20T
Stroke (mm)	150	150
Oil Capacity (cm³)	227	424
Extended Height	738	807
Weight	10.3kg	13.5kg

For pulling and tension applications.

**Features**

- High flow quality couplers.
- High steel strength construction.
- Resists corrosion.
- Piston rod automatically extends when pressure is released.



## BEARING PRESSES



Product code	1001976	1001979
Capacity	10 Tonne	50 tonne
Stroke	175mm	175mm
Working Range	0-330mm	0-890mm
Weight	53kg	275kg
Dimension	760 x 530 x 160mm	1860 x 930 x 390mm

For pressing bearings or jigg work.

**Features**

- 10T and 50T models available.



## REBAR CUTTERS



Product code	1011364	1011365
Model	Cordless	Electric
Max Diameter	16mm	22mm

Cleanly cuts rebar.

**Features**

- Lightweight & easy to carry.
- Rapid cutting speed.
- Powerful cutting performance.
- All four edges of the cutting blade are usable.

**Technical**

- Cuts up to 22mm ø.
- Cordless unit available to 16mm ø.
- Less operation noise.
- Lock screw for various sizes of rebar.



## REBAR BENDERS



Product code	150218	150219	1011366
Model	Electric	Hydraulic	Bender/Straightner
Max Diameter	16mm	22mm	32mm

Suitable for on-site work & production shop. Bends Rebars.

**Features**

- Fast, accurate and easy to use.

**Technical**

- Bends up to 32mm ø.





## TORQUE WRENCH SQUARE DRIVE



Code	Description	Square drive size	Minimum torque (NM)	Maximum torque (NM)	Bolt Size Range (mm)	Tool Weight (kg)
1011550	Torque Wrench TW1	3/4"	183	1837	16-36	2.5
1011555	Torque Wrench TW3	1"	451	4512	22-48	4
1011560	Torque Wrench TW8	1-1/2"	1078	10780	30-64	8
1011565	Torque Wrench TW10	1-1/2"	1551	15516	36-72	12
1011563	Torque Wrench TW25	2-1/2"	3472	34725	48-100	35

Allows for fast, calibrated tensioning and removal of nuts.

**Features**

- Lightweight and powerful in one easy-to-handle tool.
- Distributed surface loads relieves possible stress area.
- Reduced risk of fastener rounding.
- Increased chances of turning worn fasteners.
- Elimination of high stress concentration points increasing the impact resistance and the torque transmitting capability.

## TORQUE WRENCH CASSETTE DRIVE



Code	Description	Minimum torque (NM)	Maximum torque (NM)	Hexagon Size Range (mm)	Hexagon A/F Range	Weight (kg)
1011640	Torque Wrench Cassette Drive LPC 2	232	2328	19 - 55	3/4 - 2 - 3/16"	1.6
		241	2414	60	2 - 3/8"	1.7
1011642	Torque Wrench Cassette Drive LPC4	585	5858	34 - 65	1 - 7/16 - 2 - 9/16	4.4
		647	6474	70 - 80	2 - 3/4 - 3 - 1/8	4.6
1011644	Torque Wrench Cassette Drive LPC8	1094	10941	41- 95	1 - 5/8 - 3 - 7/8	8.0
		1177	11774	100 -105	4 -1/4	8.4
9002046	Torque Wrench Cassette Drive LPC30	4188	41882	85 -155	3 1/2 - 6 1/8	29.0
		4459	44593	160 - 175	6 1/2 - 6 7/8	30.0

**Features**

- A wide range of metric and imperial interchangeable hexagon ratchet cassettes available.
- Excellent for limited clearance applications.
- Reducer inserts are available in metric and imperial sizes.
- Extension reaction arms and low point reaction paddles are an option.

## TORQUE PNEUMATIC WRENCHES



Code	Description	Max Torque Nm	Drive Size	Weight
900311	Pneumatic Torque Wrench	270-1350 Nm	3/4 inch	3.6kg
9003112	Pneumatic Torque Wrench	400 - 2000 Nm	1 inch	3.69kg
9003113	Pneumatic Torque Wrench	1400-4600 Nm	1 inch	9kg
1011835	Pneumatic Torque Wrench	2700 - 4000 Nm	1 inch	5.6kg
1011566	Cordless Torque Wrench	900 Nm	1 inch	9.2kg

**Features**

- Square Drive.
- Direct Socket Engagement.
- Firm Pistol Grip Control.
- Constant Speed Rotation.
- Feather Touch Forward/Reverse.



Other sizes available on request

## MANUAL TENSION WRENCHES &amp; MANUAL TORQUE MULTIPLIER



Product code	1011800	1011802	1011805	1011810
Model	½ inch	¾ inch	1 inch	1½ inch

For tensioning and removal of nuts.

**Features**

- Available in: ½ inch, ¾ inch, 1 inch, 1 ½ inch drives.



Product code 1001982

Provide greater ease and safety in tightening or loosening fasteners.

## SOCKETS / REDUCERS



Various sizes available.

**Features**

- Available in: ¾ inch drive, 1 inch drive, 1½ inch drive, 2½ inch drive.
- High tensile for hydraulic torque applications.

**Technical**

- Reducers for cassette type torque wrenches.
- Sockets for square drive type torque wrenches.



## TORQUE TOOL PUMPS



Product code	1011500	1011505
Pressure Rating (bar)	700	700
Motor	240 Volt / 50Hz	1.1 kW Air
Flow: 1st Stage 0-70 bar	8	7
1st Stage 0-70 bar	1.8	1.6
2nd Stage 70-300 bar	0.8	0.8
Oil Capacity (L)	7.4	7.4
Dry Weight (kg)	31	27

Delivers high speed operation for a variety of torque tools.

**Features**

- Solenoid controlled retraction.
- Three stage pump for faster operating under load.
- Liquid filled pressure gauge has a 1% accuracy and can be recalibrated.
- Scale is Mpa or Psi.
- Multiple tool outlets for operating one or two tools simultaneously.
- Three stage pump for increased speed.
- Adjustable Torque Control for accurate torque settings.

## FLANGE LIFTING WEDGE VERTICAL



Product code	9002574
Lifting Force with 700 bar (10,000psi) hydraulic pressure applied:	180kN (18T)
Lifting Distance :	9.5mm - 29.5mm (0.37" - 1.16") using only 1st step 9.5mm - 51.5mm (0.37" - 2.03") using 4 steps (without stepped blocks) 39.5mm - 67.5mm (1.55" - 2.66") using stepped block
Tool weight	8.5kg (18.7lb)

**Features**

- Safe, simple and cost effective solution to lifting heavy equipment.

## FLANGE SPREADER KIT HYDRAULIC - SWI 12/14TM



Product code	9002572
Spreading Force with 175N.m (130ft.lb) torque applied	120kN (12T) 1st Step 140kN (14T) 4th Step
Spreading Distance	6.0mm - 40.0mm (0.24" - 1.6") using only 1st step 6.0mm - 87.5mm (0.24" - 3.4") using 4 steps (without stepped blocks) 48.5mm - 103.5mm (1.9" - 4.1") using 2 steps (without stepped blocks)
Tool weight	6.2kg (13.7lb)

**Features**

- Is easily operated using the supplied torque-wrench.
- Rapid disassembly and assembly.
- Practical portable and lightweight.
- Removable handle for for improved access.
- No finger pinch points.

## FLANGE ALIGNMENT TOOL - FAITM



Product code	9002828
Aligning Force	10kN (1T)
Application Range	Minimum Bolt Hole Diameter: 16.0mm (0.63") Maximum Aligning Distance: 26.0mm (1.02")
Tool weight	1.6kg (3.5lb)

**Features**

- Saves time and costs.
- Optimises staff.
- Safer and precise operation.
- Operates on most pipe configurations.
- Lightweight and portable ideal for remote locations or confined areas.
- Dispenses with the need for cranes, tifters & hooks.



## FLANGE PULLING TOOL - KIT

Product code	9002575
Closing Force with 700 bar (10,000 psi) hydraulic pressure applied	100kN (10T) per tool
Bolt Hole Diameter	22.0mm minimum
Closing Distance	600.0mm down to 0.0mm
Tool weight	11.0kg (24.25lb)

### Features

- Optimises staffing & reduces operator fatigue.
- Pulling force of 10T per tool.
- Slide & lock collet system.
- Controllable pulling for flange or any other heavy equipment.
- Small foot print.



## FLANGE SPREADER - SECURE GRIP KIT

Product code	9002565
Spreading Force	110kN (11T)
Spreading Distance	90.0mm
Tool weight	10.5kg

### Features

- Virtually universal this spreader range will cover ANSI, DIN, SPO, ASME, API and BS Flanges.
- Time saving, simple operation.
- Measurable, controlled spreading force.
- Portable.
- Unique expanding collet technology.
- Little or no access gap required.
- Spreading force of 11T (110kN), spreading distance of 90mm.



## FLANGE SPREADER TOOL - KIT

Product code	9002566
Spreading Force	130kN (13T)
Spreading Distance	115.0mm
Tool weight	21.5kg

### Features

- Spreading force of 13T (130kN) spreading distance of 115mm.
- Virtually universal the Secure Grip Flange Spreader will cover ANSI, DIN, SPO, ASME, API & BS Flanges.
- Time saving & simple operation.
- Controlled spreading force.
- Little or no access gap required.
- Portable.



## HYDRAULIC ALIGNMENT TOOL - KIT

Product code	9002564
Aligning Force with 700 bar (10,000 psi) hydraulic pressure applied	9T (90kN)
Application Range	Min Bolt Hole Diameter 31.5mm Max Wing Reach 135.0mm
Tool weight	14.5kg (32.0lb)

### Features

- Optimises staffing.
- Suitable for offshore & onshore applications.
- Operates on most pipe configurations.
- Use on horizontal or vertical flanges including ANSI/ASME, API, BS, DIN & SPO.



## HYDRAULIC JACKING &amp; TOOLS

## HYDRAULIC FLANGE SPREADING WEDGE KIT



Product code	9002567
Spreading Force with 700 bar (10,000 psi) hydraulic pressure applied	200kN (20T) 1st Step & 240kN (24T) 4th Step
Spreading Distance	6.0mm - 40.0mm sing only 1st Step 6.0mm - 87.5mm using 4 steps (without stepped blocks) 48.5mm - 103.5mm using 2 steps (with stepped blocks)
Tool weight	6.4kg (14.02lb)

**Features**

- Revolving handle to aid horizontal or vertical spreading.
- Offset handle is directly over the centre of mass.
- Removable handle for improved access.
- Revolving lanyard connection point.
- Spread indicator markings for clear precise visual progress feedback.
- Fail-safe design - designated cylinder nose seal failure.

## MECHANICAL ALIGNMENT TOOL - KIT



Product code	9002563
Aligning Force with 33N.m (50ft.lb) of torque applied	40kN (4T)
Application Range Min Bolt Hole Diameter	31.5mm
Application Range Max Wing Reach	113mm
Tool weight	3.6kg (19.0lb)

**Features**

- Optimises staffing.
- Suitable for offshore & onshore applications.
- Operates on nose pipe configurations.
- Use on horizontal or vertical flanges including ANSI/ASME, API, BS, DIN & SPO.



**Equipment that makes difficult lift and hold jobs possible.**

**JACKS  
PROPPING**

**20  
22**

**KENNARDS**  
HIRE



## BOTTLE JACKS



Product code	S.W.L	Height min - max	Unit Weight	Other
1002010	5 tonne	230 - 400mm	6kg	
1002020	10 tonne	230 - 400mm	8kg	
1002030	16 tonne	220 - 420mm	8kg	
1002040	20 tonne	280 - 470mm	16kg	
1002050	30 tonne	280 - 460mm	25kg	
1002060	50 tonne	230 - 360mm	21kg	
1002070	100 tonne	300 - 450mm	90kg	2 speed

These self contained, simple to use, lever operated jacks are the answer to many general purpose lifting applications.

**Features**

- From 2 – 100 tonne lift, from 65mm high.

## AIR LIFT BAGS



NB. Point loads dramatically reduce capacities.



Product code	1002360	1002380
S.W.L	11T @ 30mm, 5T @100mm	20T @ 30mm, 10T @100mm
Height min - max	25 - 216mm	25 - 290mm
Unit Weight	3.8kg	6.7kg
Size	381 x 381mm	511 x 511mm

Used anywhere a broader load distribution is required in a narrow gap. Useful for uneven or uncompacted surfaces. Ideal for pipeline maintenance, machine lifting and buildings.

**Features**

- Lifts in seconds, highly flexible, lightweight, works with air or water.

## TOE JACKS



Product code	1002155	1002160	1002180
S.W.L	5 tonne	10 tonne	20 tonne
Height min - max	190 - 310mm	330 - 480mm	330 - 480mm
Toe height	22mm	28mm	30mm
Unit weight	19kg	35kg	45kg

For jacking heavy items when very little access is available.

**Features**

- Top or bottom lifting, spring return.

## FORKLIFT JACKS



Product code	1002436
S.W.L	4000kg
Lift from	100mm
Weight	43kg

Lifting forklifts.

**Features**

- Lifts from head or toe.
- Very low profile.

## JACK - HI LIFT | TREWHELLA | WALLABY



Code	Type	S.W.L	Height (toe) min-max	Height (head) min-max	Unit Weight
250050	Wallaby	3 tonne	50-350	400-550	30kg
250060	Wallaby	10 tonne	30-430	550-850	24kg
250065	Trewhella	6 tonne	30-440	750-1150	24kg
250065	Trewhella	15 tonne	740-1145	720-1190	44kg
1002140	Hi lift jack	3 tonne	300-511	1300-1500	15kg

Used anywhere a high lift is required eg. lifting portable buildings.

**Features**

- Top or bottom lifting.
- Hi Lift Jack can also be used as a clamp.



## TROLLEY JACKS



Product code	250022	1002405	1002410	250030
	1.5/2 Tonne	3 Tonne	5 Tonne	4.5 Tonne

**Features**

- Swivel load head.

**Technical**

- Available up to 5 Tonne.



## TROLLEY JACK - AIR 35T



Product code	100025
Min Height	250mm
Weight	46kg
Lift Height	120mm

**Features**

- Various adaptors to suit different lifts.



## TRANSMISSION JACKS



Product code	1002425	250040
S.W.L	500kg	1500kg
Lift Height	870 - 1800mm	230 - 730mm
Weight	62kg	58kg

Lifting and lowering transmissions and gear boxes.

**Features**

- Adjustable swivel head allows for accurate placement.



CABLE JACKS



Product code	S.W.L.	S.W.L. Top Hooks	Operation	Reel Diameter	Unit Weight	Unbraked	Braked
1002240	1 tonne	n/a	Levered	to 1300mm	34kg each	Yes	
1002242	1 tonne	n/a	Screw hinge	to 1000mm	26kg each	Yes	
1002244	2 tonne	n/a	Screw hinge	to 1500mm	35kg each	Yes	
1002246	3 tonne	n/a	Screw hinge	to 2000mm	48kg each	Yes	
1002200	6/12 tonne	n/a	Vertical screw	to 1200mm	48kg each	Yes	
1002248	8 tonne	n/a	Handle	to 3000mm	50kg each		Yes
1002250	10 tonne	20 tonne	Ratchet	to 2400mm	51kg each	Yes	

For safe and easy handling of heavy cable drums. Provided with lifting handles and wheels for ease of handling. Some models fold flat for transportation and storage.

SCREW JACKS



Product code	1002200	1002220	1002225
S.W.L	12 tonne	20 tonne	45 tonne
Height min - max	390-633mm	393-618mm	1000-1250mm
Unit weight	7kg	15kg	82kg

Lifting and propping of machines or structures and leaving elevated for a period of time.

Features

- Ductile iron bodies for strength – up to 20 tonne.
- Positive stop for safety.
- Four-way head permits lever bar insertion at four angles.
- Serrated load cap prevents load slippage.
- Supports loads indefinitely and won't creep down.



## SYNCMaster SYNCHRONOUS LIFT SYSTEM



Product code	9002535
Length x Width x Height (mm)	1210 x 1120 x 1350
Flow rate	0.5-2.4 Lpm
Pressure rating	700 bar
Motor size	4.0kW
Amps	8.85
Hydraulic outlets	8 x A & B ports
Usable oil capacity	300L
Weight (dry)	600kg

SyncMaster can in real time monitor and calculate cylinder loads, stroke lengths, total loads and the centre of gravity - all of which will provide the operator with an alarm and automatically stop the jack from continuing should they exceed set parameters. The centre of gravity feature is a function that defines a programmable rectangular or circular boundary outside of which the centre of a mass cannot move.

#### Features

- Parameters within the jacking system can be set to ensure that the jack does not proceed out a predetermined jack plan.
- If the centre of mass approaches this boundary, an alarm is given and the jack stops automatically. This is a key safety design feature for use in the movement of tall or unevenly loaded structures.
- Every configuration, process, alert and operator function is displayed and recorded thereby reducing the costly overheads associated with manual control, measurements and comparisons to jack plans.



## STEEL PROPS

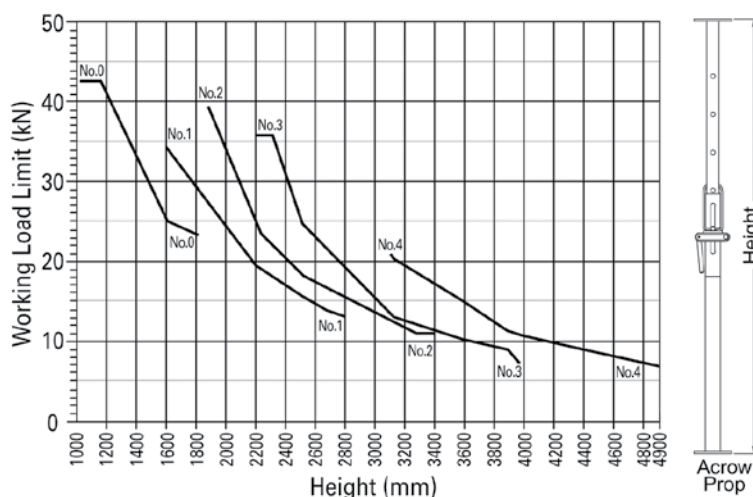


Product code	370194	370195	370198	370200	370210	370212
Prop size	00	0	1	2	3	4
Weight	8kg	12kg	17.3kg	18.9kg	21.4kg	30kg
Closed Height mm	608	1050	1600	1900	2170	3100
Open Height mm	1050	1830	2100	3400	3975	4900
Load Cap. Closed	40kN	40kN	35kN	35kN	35kN	20kN
Load Cap. Open	40kN	20kN	11kN	11kN	8kN	8kN

Propping buildings, formwork, retaining walls, or just used as an extra long jack.

**Features**

- Fully adjustable.
- Sizes 00, 0, 2, 3 & 4 available.



## PROPPAS



Product code	1008710
S.W.L	340kg
Weight	10kg

Used in conjunction with steel props for supporting walls while fitting lintels, beams, RSJ's, etc.

**Features**

- Wedged head for easy entry into mortar joint.
- End section holds prop captive.

**Technical**

- Refer to an engineer for load capacities.
- Maximum usable height of 3200mm.

## ALLOY SUPER PROPS



Product code	1008590	1008595	1008600
S.W.L	1970-2610mm	2580-3820mm	4095-5040mm
Weight	29kg	36kg	43kg
S.W.L	10T	10T	10T

Used to support any multitude of loads and constructions. Mainly for the temporary support of formwork for reinforced concrete floors and beams. Ideal for supporting concrete slabs for crane work.

**Features**

- Alloy construction offers greater strength and reduced weight.
- Easy to transport and safe to erect particularly when compared to steel props of similar capacity.



**Equipment that maximises carrying capacity and manoeuvrability.**

<b>SKATES</b>	<b>26</b>
<b>DOLLIES</b>	<b>27</b>
<b>STAIR CLIMBERS</b>	<b>28</b>
<b>TROLLEYS</b>	<b>29</b>
<b>PALLET TRUCKS</b>	<b>32</b>

**KENNARDS**  
HIRE



## TROLLEYS, SKATES &amp; PALLET TRUCKS

## STEEL MACHINERY SKATES



Product code

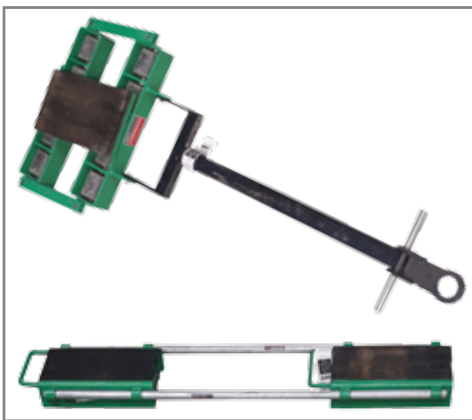
See branch staff

Moving heavy machinery in confined areas.

**Features**

- Sizes from 2 to 100 tonne (8 to 400 tonne sets).
- Turntables and pulling handles incorporated with some units.
- Non-slip pads available for metal loads.
- Skate types available: tracked, air, turntable, adjustable.

## STEERABLE SKATES



Product code

1001223

1001263

Type

Skate - 6T Steerable  
(set of 3)Skate - 12T Steerable  
(set of 3)

Length x Width x Height (mm)

1 x 630 x 400 x 115  
2 x 420 x 270 x 1151 x 630 x 400 x 115  
2 x 500 x 270 x 115

Weight

90kg

130kg

Roller type

Nylon

Steel

Moving large loads across 'sensitive' floors. Can move loads around corners.

**Features**

- Nylon rollers for greater load distribution and less abrasion on floors.
- Steering turntable can connect to a forklift.
- Adjustable rear rollers.

## TROLLEY SKATE - IT



Product code

1001160

1001162

Length x Width x Height (mm)

116 x 500 x 340

N/A

Load capacity

1000kg

4000kg

Qty

1

Package of 4

Shifting skates can be used wherever heavy objects have to be moved. The load can be lifted using either the roller crowbar or a jack, allowing the skates to be easily positioned.

**Features**

- 4 x small diameter full-swivel castors.
- The platforms of the skates are fitted with a rubber surface, which helps protect the object being moved.

## ROLLER - PINCH BAR



Product Code

1001400

1001400

Model

RC 15

RC 50

Capacity

1.5T

5T

Length (mm)

2000

2000

Max Skate Height (mm)

145

145

Roller Diameter (mm)

75

70

Roller Width (mm)

55

54

Wheels

Plastic/Steel

Steel

Perfect for lifting and manouvering small loads or for levering machinery onto machinery skates.

**Features**

- Poly and steel wheels.



## DOLLIE - TIMBER &amp; PLASTIC



Product code	1000650	1000650
Length x Width x Height (mm)	150 x 800 x 560	180 x 800 x 520
Load capacity	600kg	600kg
Type	Timber	Plastic

Used whenever medium-weight objects have to be moved. Ideal for moving benches, crates etc.

**Features**

- 4 x large diameter full-swivel castors.
- The platforms of these dollies are fitted with a rubber surface, which helps protect the object being moved.



## DOLLIE - PIANO



Product code	1000620
Length x Width (mm)	760 x 380
S.W.L	400kg
Weight	14kg

Used whenever medium-weight objects have to be moved. Ideal for moving benches, crates etc.

**Features**

- Non slip rubber protective strips on load surfaces.
- Fixed casters.



## DOLLIE - SAMSON



Product code	1000640
Length x Width x Height (mm)	550 x 460 x 100
S.W.L	500kg
Weight	15kg

Moving heavy loads on concrete floors.

**Features**

- Centre wheels make for easy manoeuvring.

# TROLLEYS, SKATES & PALLET TRUCKS

## STAIR ROBOT 750KG



Product code	1007570
S.W.L	750kg
Length x Width x Height (mm)	1185 x 720 x 320
Maximum Angle	45°
Speed	3m p/min
Weight	150kg
Power	240V

Carrying large or fragile loads up and down stairs.

### Features

- Caterpillar tracks for better load distribution and gradeability.
- Hydraulic load table for keeping loads level.
- Turntable disc for turning within it own axis.
- Worm drive braking.

## STAIR CLIMBER - TRACKED



Product code	1007560	1007563
S.W.L	350kg	500kg
Width (mm)	460	550
Maximum Angle	45°	45°
Speed	4m/min	4m/min
Weight	49kg	80kg

Carrying heavy loads up and down stairs without breaking your back.

### Features

- Battery and 240V models available.
- Designed to handle a wide variety of loads up to 350kg.
- Twin rubber tracks spread the load comfortably over three treads of stairway.
- Folding swivel wheel for easy turning in confined spaces.

## STAIR CLIMBER - 310KG



Product code	1007532
Overall height (mm)	1620
Climbing speed - steps (min)	8-9
Max step height (mm)	210
Max power motor	450
Battery capacity	60 steps

Carrying heavy loads up and down stairs without breaking your back.

### Features

- Braking system.
- Battery operated.
- Quick release button.
- Foldable frame.
- A quick battery unit included for recharging in vans and utes.

## ELECTRIC STAIR CLIMBER - LIGHT DUTY 140KG



Product code	1007510
S.W.L	140kg
Length x Width x Height (mm)	1450 x 480 x 236
Lifting height (mm)	1370
Speed	35 steps a minute
Battery life	300 steps
Weight	20kg

Carrying heavy loads up and down stairs without breaking your back.

### Features

- Battery operated.
- Load straps.
- Forklift attachment available.

## ELECTRIC STAIR CLIMBER - TAILGATE LOADER



Product code	1007550
Length x Width x Height (mm)	609 x 419 x 1542
Lifting height (mm)	1016
Lifting Capacity	Up to 295kg
Weight	45kg

Loading onto a ute, tray or loading truck.

## Features

- Fully automatic breaking system.
- Safety grip handle.
- Sealed battery 12V 20 amp.
- Load strap.
- Wheels to move around similar to hand truck.



## SKOOTS PAIR



Product code	1000695	1000700	1000705
S.W.L	36kg	86kg	250kg
Width (mm)	460	450	640
Lifting height (mm)	100	250	150
Weight	36kg	86kg	250kg

Lifting safes, transformers, switchboards, heavy boxes and long loads.

## Features

- Non marking tyres, twin steering, lift clearance of at least 100mm.



## TROLLEY - TURNTABLE



Product code	1000560
S.W.L	800kg
Length x Width x Height (mm)	1200 x 700 x 380
Weight	56kg

Transporting heavy loads across sites.

## Features

- Handle adapts to tow behind a forklift.
- Turntable allows for easier manouverability.
- Pneumatic tyres.
- Option of mesh sides available on some models.



## TROLLEY - PIPE



Product code	1000560
S.W.L	800kg
Length x Width (mm)	2400 x 850

Carrying long thin loads such as pipes.

## Features

- Long bed to cater for flexible lengths.
- Offset steering.
- Removable handle can be used on either side.



# TROLLEYS, SKATES & PALLET TRUCKS

## TROLLEY - PLASTERBOARD



**Product code** 1000670

For carrying large sheets such as plasterboard, masonite, particle board, AC sheeting, etc.

### Features

- Large wheels to help with maneuverability.
- Weight 36kg.

### Technical

- 1800kg lifting capacity.

## TROLLEY - HEBEL PANEL



**Product code** 1000680

Picking up, transporting and then standing Hebel panels.

### Features

- Extension handle for added leverage.
- Technical.
- 200kg lifting capacity.

## TROLLEY - DRUM



**Product code** 1000680

For lifting, lowering and manouvering full 205 litre drums.

### Features

- Will load or unload from a pallet.

## HANDTRUCK



**Product code** 310010

Used for moving tall thin loads like fridges, filing cabinets, boxes etc.

### Features

- 2 sizes available.
- Larger pneumatic wheels or stair climbing wheels available.
- Webbing strap and winch fitted to secure loads.

### Technical

- 200kg capacity.



## 3 IN 1 TROLLEY



Product code 1000570

Adjustable trolley for a variety of material movement projects. These trolleys can be used as an upright trolley, a platform trolley or at 45° (best of both).

#### Features

- All alloy construction and pneumatic tyres.

#### Technical

- 200kg capacity.



## TROLLEY - PLATFORM HYDRAULIC



Product code	1000820	1000840	1000830	1000835
Type	Standard	Standard	Hi Lift	Hi Lift
Height min - max (mm)	285 - 900	350 - 900	420 - 1500	500 - 1500
Platform size (mm)	512 x 905	512 x 905	512 x 905	512 x 905
Weight	78kg	78kg	138kg	172kg
S.W.L	300kg	1000kg	500kg	1000kg

Portable workbench. Loading and unloading trucks. Relocating heavy objects.

#### Features

- Foot operated pump for raising.
- Brakes fitted to rear wheels for safety and stability.



## TROLLEY - PLATFORM



Product code	1000510		
Type	Alloy	Alloy	Steel
Base size (mm)	900 x 610	910 x 610	1000 x 610
S.W.L	300kg	500kg	500kg
Weight	13kg	22kg	46kg

Moving bulky and heavy loads.

#### Features

- Solid construction.
- Castors fitted for easy steering.



## PORTALIFT



Product code 1000870

Enables one person to safely move up to 100kg from ground level to 1000mm high. It can be used for loading and unloading work vans, trucks, shelves, benches or anywhere there is traditional bending and lifting required. Easily converts it into a portable workstation.

#### Features

- Reverse braking winch enables the load to stop at any position without having to lock or unlock pins or ratchets.



## TROLLEYS, SKATES &amp; PALLET TRUCKS

## PALLET PULLER



Product code	1006345
Length (mm)	480
Opening	up to 14cm
Max pallet weight	2000kg
Net weight	5.5kg

Used to pull or slide loaded, heavy crates to the edge of the dock or truck, so it can be picked up with a forklift truck.

**Features**

- Variable jaws allow operator to grab pallets securely and release automatically.
- Single scissor action allows for wider jaw opening.

## PALLET TRUCK



Moving pallets and other loads.

**Features**

- Heavy duty construction, non marking polyurethane wheels except 5 ton model.
- For moving pallets and other loads.

Product code	Type	Fork Length (mm)	Ext Fork Width (mm)	Fork Gap (mm)	Fork Height	Weight	S.W.L.
310090	Standard	1150	680	360	75-200	76kg	2500kg
310091	Narrow	1150	540	220	75-200	65kg	2500kg
1003521	Extra narrow	1150	440	120	75-200	70kg	2500kg
1003513	Low profile	1150	540	220	51-200	80kg	2000kg
1003535	Short	800	540	220	75-200	65kg	2500kg
1003525	Extra wide	1150	800	475	75-200	110kg	2500kg
1003512	Heavy duty	1150	585	160	90-200	180kg	2500kg

## PALLET TRUCK WITH BRAKES



Product code	1003516
Width (mm)	685
S.W.L.	1000kg

Used for moving pallets and other loads.

**Features**

- Non marking poly wheels.
- Easy to move and has a brake for manouvering down slight inclines.

**Technical**

- S.W.L. 2500kg.

## PALLET TRUCK WITH SCALES



Product code 1003570

Weighing and moving pallets and other loads in one easy process.

#### Features

- Digital load indicator.
- S.W.L. 1000kg.



## PALLET TRUCK ELECTRIC



Product code	1003560	1003545
Type	Standard	Hi Lift
W.L.L	2 tonne	1 tonne
Max Lifting Height	240mm	2450mm
Weight	780kg	780kg

Moving pallets and other loads.

#### Features

- Heavy duty construction, for moving pallets and other loads.



## PALLET TRUCK - HI LIFT



Product code	1003540	
Type	Narrow	Standard
Width (mm)	540	680
S.W.L	1000kg	1000kg
Fork Height min - max	80 - 800mm	75 - 800mm
Weight	135kg	140kg

Manoeuvring pallets and then maintaining an even work height as the pallet is emptied or filled.

#### Features

- Standard pallet truck design.



## PALLET TRUCK - SIDEWAYS MOVING



Product code	1003550
Length x Width (mm)	1490 x 680
Fork height min - max (mm)	85 - 200
S.W.L	1200kg
Weight	90kg

To move pallets or longer loads into tight spots.

#### Features

- Acts as a normal pallet truck until raised above 150mm then the whole unit, load and all, can travel 90 degrees sideways.



## TROLLEYS, SKATES &amp; PALLET TRUCKS

## PALLET TRUCK - ROUGH TERRAIN



Product code	1003530
S.W.L	1500kg
Weight	190kg

For manouevering pallets around outdoors.

**Features**

- Large wheels to handle small obstacles.

## PAVING CART



Product code	1000720
Opening width (mm)	550 - 1050
S.W.L	400kg
Weight	68kg

For effortless transportation of loose or bound pavers, kerb stones and slabs without you needing to touch them.

**Features**

- Blocks can be loaded from the pallet without the need for a ramp.
- Adjustable clamp.
- Self loading.

## BRICK BUGGY



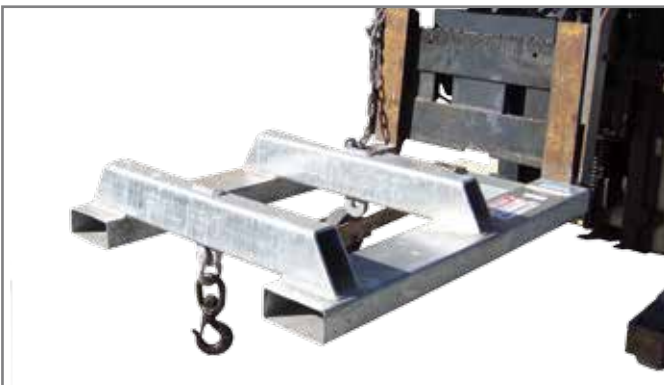
Product code	1000725
Depth x Width x Height (mm)	700 x 640 x 1400
Lifting Capacity	300kg
Weight	38kg

Used for transporting bricks or pavers over rough ground.

**Features**

- Large pneumatic tyres.
- Six height settings.





**Heavy-duty equipment to convey, stack, lift or shift heavy and awkward loads.**

<b>FORKLIFTS</b>	<b>36</b>
<b>CRANES</b>	<b>40</b>
<b>GANTRIES</b>	<b>43</b>
<b>ATTACHMENTS</b>	<b>46</b>

**KENNARDS**  
HIRE

TELEHANDLER - 2500KG



Product code	1003850
Max Lifting Capacity	2500kg
Max Lifting Capacity at max Height	1700kg
Max Lifting Capacity at maxBoom Extension	800kg
Max Lifting Height	5.78m
Max Horizontal Boom Extension	3.25m



Product code	310202
Type	Bucket



Product code	1004555
Type	Long Jib



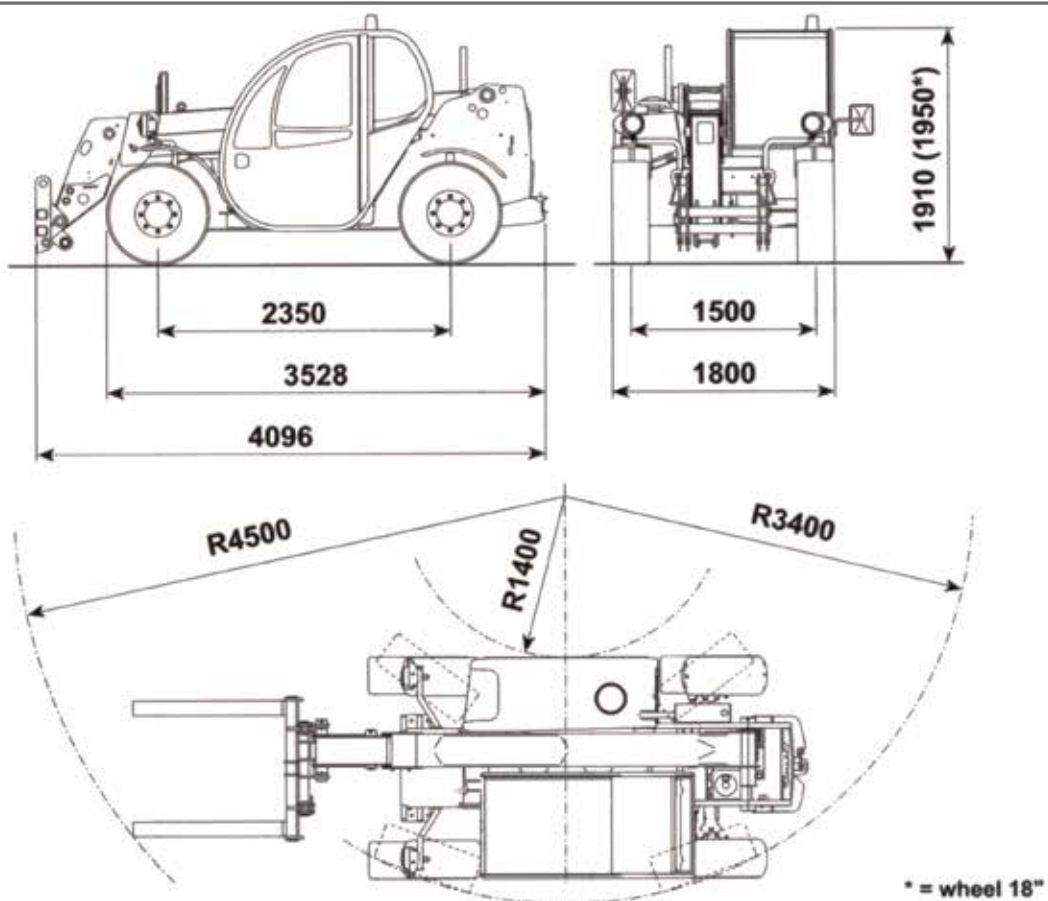
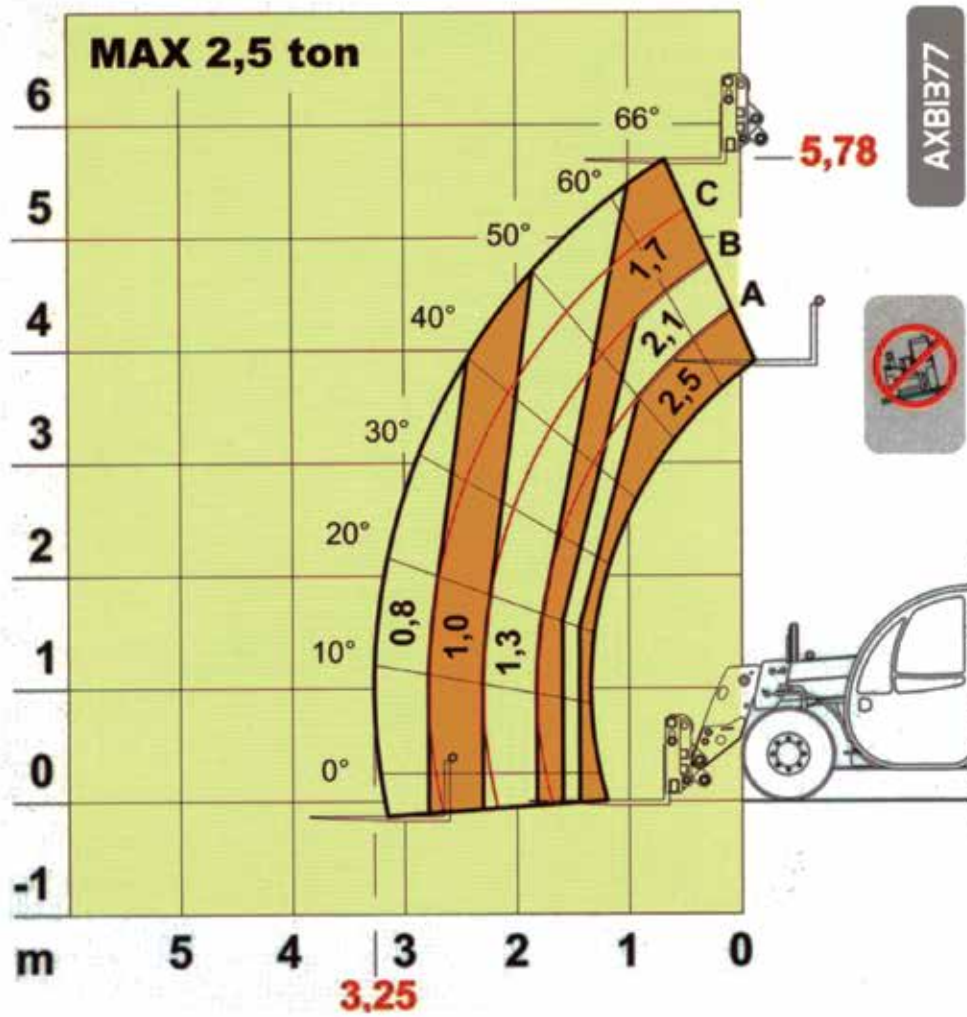
Product code	1004553
Type	Rino Jib

Similar to a rough terrain forklift, but far more versatile. The telehandlers allow access in very tight spaces with a load management system specially designed for increased safety.

**Features**

- Fully air conditioned.
- Power steering.
- Anti-tipping device with block for hazardous movements.
- Closed soundproof cab.
- No special certificate required to operate.

## TELEHANDLER - TABLE CHART





# GANTRIES, FORKLIFTS, CRANES & ATTACHMENTS

## TRACKED FORKLIFT



Product code	1003650
Max Lifting Capacity	1600kg
Max Lifting Height (m)	1.777m
Min Width (mm)	1240
Max Width (mm)	1800
Weight	1450kg

### Features

- Can be used in difficult terrain without losing traction or becoming bogged.
- Highly manouverable on worksite.
- Only 1450kgs means it can be easily transported by trailer, so no float fees.
- Wet, boggy, sandy, snowy, undulating or steep terrains are not a problem.
- Ability to change its width on the move, offering greater versatility for loading and unloading as well as working in tighter access areas.
- Can carry pallets up to 1.6 Tonnes.
- Has a 15hp motor with electric start.

## FORKLIFT



Product code	310100	310101	310097	310096	310098
Length x Width x Height (mm)	3615 x 995 x 1995	3670 x 995 x 1995	3815 x 995 x 2120	3816 x 995 x 2120	3430 x 2485 x1995
Type	1.8 tonne	2.5 tonne	3.5 tonne	4 tonne	5 tonne
Mast Extendable Height	4.22m	4.5m	6m	3m	3m
Lift Capacity	1.8 tonne @500mm	2.5 tonne @500mm	3.5 tonne @500mm	4 tonne @500mm	5 tonne @500mm
Fork Spread max/min	1020/220	1020/220	1070/280	1070/281	1070/282

Specifications are based on a 600ml load centre.

Lifting pallets and heavy loads. Stacking in warehouses. Loading trucks.

### Features

- Container forks with full free lift, side shift, dual fuel and solid tyres.
- LPG and petrol available.
- Mast up to 6m height.
- Road registration available on request.



## WALKIE REACH FORKLIFT



Product code	1003720	
Lifting Height (mm)	2600	2600
Width (mm)	1100	1480
Lift Capacity	1500kg	1300kg
Weight with no battery	1377kg	1377kg
Battery Weight	442kg	635kg
Fuel Type	Battery	Battery

Counterweighted electric forklift can be used in tight applications where standard forklifts can't go.

### Features

- Battery operated.
- Reaches forward over straddle legs.



## FORKLIFT PEDESTRIAN



Product code	310095	1003700
Length x Width x Height (mm)	1770 x 700 x 1770	1990 x 1470 x 2200
Type	Manual	Battery
Lift height (mm)	2500	4500
Weight	375kg	1300kg
S.W.L	1000kg	1600kg

Lifting pallets and other objects in tight spots where reaching over objects is important.

### Features

- Manual or hydraulic drive and lift.
- Fork extension tynes available.



# CRAWLER CRANE 2.82 TONNE



## Features

- Boom angle indicator with load indicator.
- Pilot check valve for outrigger cylinders.
- Hook safety latch.
- Automatic hydraulic disk brake for winch.
- Level gauge.

Product code	1004600
Model	MC-285CR
Crane Capacity	2.82t x 1.4m
Max. Working Radius	8.20m
Max. lifting Height	Approx 8.7m
Width	750mm
Weight	1760kg

Outriggers fully extended							
Boom		Boom		Boom		Boom	
4.075m boom		5.575m boom		7.075m boom		8.575m boom	
Working Radius (m)	T.Rated Load (kg)	Working Radius (m)	T.Rated Load (kg)	Working Radius (m)	T.Rated Load (kg)	Working Radius (m)	T.Rated Load (kg)
~1.4	2,820	~3.0	1,220	~3.6	820	~4.0	550
1.5	2,520	3.5	970	4.0	740	4.5	400
2.0	1,920	4.0	780	4.5	580	5.0	340
2.5	1,570	4.5	630	5.0	480	5.5	300
3.0	1,220	5.0	530	5.5	430	6.0	270
3.5	970	5,205	530	6.0	380	6.5	230
3.705	920			6.5	350	7.0	200
				6.705	330	7.5	180
						8.0	150
						8.205	150

## TRUCK - REAR MOUNTED CRANE



Product code 420040

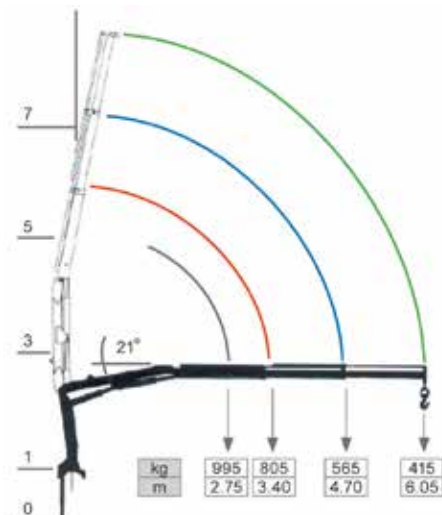
Lifting and transporting loads as an all-in-one package.

### Features

- Class C licence.
- Rear-mounted for increased reach and access.

### Technical

- 6 metre reach.
- Lift up to 1200kg.
- 3300mm tray.
- 1300kg load capacity on the truck.



\* Specifications may vary from vehicle to vehicle.



# GANTRIES, FORKLIFTS, CRANES & ATTACHMENTS

## UTE - SIDE MOUNTED CRANE



\* Specifications may vary from vehicle to vehicle.

Product code	420011
--------------	--------

Lifting and transporting loads as an all-in-one package.

### Features

- Class C licence.
- Good for smaller jobs.

### Technical

- 800kg @ 1150mm reach.
- 300kg @ 2800mm reach.
- 800kg - tray capacity.

## TRUCK - SIDE MOUNTED CRANE



\* Specifications may vary from vehicle to vehicle.

Product code	420040	
Crane	800kg @ 1150mm reach	300kg @ 2800mm reach

Lifting and transporting loads as an all-in-one package.

### Features

- Class C licence.
- Side mounted crane - good for longer loads.
- Extended chassis.

### Technical

- 4.8m tray - can carry 6m lengths.
- 1400kg load capacity.



### GANTRY CRANES - 1000KG



Product code	1004100
Top Beam H x L (mm)	2450 x 1650
S.W.L	1000kg
Footprint (mm)	1430 x 2800
Weight	60kg

Provides a portable lifting point for direct overhead lifting.

#### Features

- Fixed point hook lift.
- Adjusts to yard slope.
- Small enough to fit into a box trailer.



### GANTRY CRANES - ALUMINIUM MOBILE - 1000KG



Product code	1004140
Height (mm)	1750 - 3070
Safe Working Load	1000kg
Beam (m)	Up to 6m
Depth (mm)	1705
Weight	121kg

Provides a portable lifting point for direct overhead lifting.

#### Features

- Adjustable height.
- Breaks down into 3 manageable components.
- Distance between leg is fully adjustable.
- Beam lengths of 2m, 3m, 4m, 5m, and 6m available.



### GANTRY CRANES - ALUMINIUM - 1500KG



Product code	1004125	1004130	1004135	* DEPTH = Distance between 2 feet on the same end section. NB. Measurements all taken at underside of beam. Add 320mm for top of girder trolley (highest point).
Aluminium models only	Mini	Standard	Maxi	
Height (mm)	1290 - 1840	1750 - 3070	2300 - 4085	
Depth (mm)	1185	1705	2285	
Weight	95kg	121kg	145kg	

Provides a portable lifting point for direct overhead mobile lifting.

#### Features

- Adjustable height.
- Adjustable legs for uneven ground.
- Breaks down into 3 components.
- 8m long beam has a WLL of 750kg.
- 6m long beam has a WLL of 1000kg.
- Distance between legs is fully adjustable.
- Wall-mounted bracket available.
- Beam length 2m - 8m.



### GANTRY JOINER - 3000KG



Product code	1004153
--------------	---------

Allows 2x 1500kg gantries, of any size, to be joined therefore doubling the S.W.L. capacity.



# GANTRIES, FORKLIFTS, CRANES & ATTACHMENTS

## GANTRY CRANES - 5000KG STEEL



Beam height is 280mm

Product code	1004120
S.W.L	5000kg
Height to bottom beam (mm)	2550, 2800, 3150, 3400
Depth (mm)	1765
Weight	390kg

Provides a portable lifting point for direct overhead lifting.

### Features

- Adjustable height.
- Girder trolley can move along full 3m length.
- 5 metre beam at 4 tonne also available.

## GANTRY CRANES - 5000KG ALUMINIUM



Beam height is 280mm

Product code	1004165
S.W.L	5000kg
Height to bottom beam (mm)	4485
Max width across legs (mm)	2011
Weight	284kg

Provides a portable lifting point for direct overhead lifting.

### Features

- Adjustable height.
- 5 metre beam at 4 tonne also available.

## FLOOR CRANES / ENGINE HOISTS



Product code	1004010	1004020
S.W.L	500kg	1500kg
Max width across legs (mm)	2400	2400
Weight	60kg	113kg

Removing / replacing engines and transmissions. Also used as a mobile crane.

### Features

- Mobile.
- Fully dismantles.

## FLOOR CRANES - COUNTERWEIGHTED



Product code	1004030
Length x Width (mm)	1820 x 1200
Max height (mm)	2400
Boom length (mm)	1200
Max capacity	500kg

For reaching over objects to lift or lower 500kg.

### Features

- Cantilevered.
- On large nylon castors for easy manouvering.
- Fully disassembles to 20kg components.

### TRIPOD - MATERIALS



Product code	1009030
S.W.L	600kg
Height (mm)	3000

An alternative to gantries for basic load lifting where footprint is an issue.

#### Features

- Light weight aluminium.
- Three height adjustable legs.
- Small collapsed height.



### ROUST-A-BOUT



Product code	1002750
--------------	---------

The Roust-A-Bout enables one man to lift and place loads in tight locations that would be impossible with other lifts. Ideal for lifting pipes and beams.

#### Features

- Moves vertically and horizontally.
- 2 speed winch.
- Infinite load adjustment another.
- Mast and base separate quickly for transportation ease.

#### Technical

- Portable crane for loads up to:
  - 455kg - long boom.
  - 650kg - short boom.
- Will lift to a height of 4.6m.
- Machine weight - 140kg.



# GANTRIES, FORKLIFTS, CRANES & ATTACHMENTS

## COUNTERWEIGHTED SCAFFOLD FRAME



Product code	1003020
S.W.L	150kg
Length x Width of gular base (mm)	1800 x 1850
Total Weight (ex counterweights and winch)	120kg
Height of jib arm (mm)	2050
Length of jib arm (mm)	950

Allows for a swiveling jib arm to reach forward of the slab edge or parapet.

## FACADE LIFTER



Product code	120013
S.W.L	250kg
Min. Height	5m
Max. Height	9.5m

Ideal for tight access overhead hook lifting.

### Features

- Extremely lightweight and portable.
- With its lightweight pull up installation, the Facade Lifter is an ideal tool for hoisting material up external facades.
- May also be used with a glasslifter in the correct application.

## CRANE MAN CAGE



Product code	1004224	1004225	1004226
S.W.L	250kg	250kg	500kg
Max. Capacity	1 Person	2 People	4 People
Fork Pocket Size	165 x 65	165 x 65	245 x 65
Fork Pocket Centre	555	775	950
Weight	150kg	205kg	400kg

One and four person cage with mesh roof.

### Features

- Four person cage can also be used as a First Aid Rescue.
- Lifting chain is incorporated.
- Designed in Accordance with AS1418.17.
- Fork pockets have been fitted for easy of transportation.



### BRICK & BLOCK CAGE



Product code	120013	
S.W.L	2000kg	2000kg
Length x Width x Height	1240 x 1240 x 1800 (block)	1240 x 1240 x 1500 (brick)

For hook lifting pallets of bricks or materials.

#### Features

- 4 point lift.
- Fork pockets have been fitted for ease of transportation.



### PALLET HOOK



Product code	1004310
Height (mm)	1850
Capacity	2200kg (up to)
Max Load Height (mm)	1600
Weight	225kg

Hook - lifting pallets of varying size and weight.

#### Features

- Fork tynes adjust to suit pallet.
- Lift point movable to suit load.



### CONCRETE & GROUT KIBBLES



Product code	1004290	1004293	1004295
	.5cu.m	1cu.m	2cu.m

For hook lifting wet concrete, sand, or gravel.

#### Features

- Bottom dumping with slide chute models.
- Various sizes and shapes available.
- Kibbles also available with clam shell and elephant trunk fittings.



### GOODS CAGES



Product code	1004320	
Internal L x W x H (mm)	1240 x 1240 x 1100	1240 x 1240 x 1100
S.W.L	600kg	1000kg

Convey loose or palletted goods by either forklift or crane.

#### Features

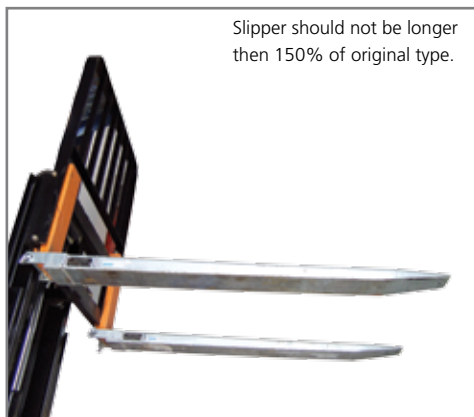
- 4 point lift.
- Full front entry.
- Full mesh sides.



\*Available in fixed or collapsible side models.

# GANTRIES, FORKLIFTS, CRANES & ATTACHMENTS

## FORKLIFT SLIPPERS



Slipper should not be longer than 150% of original type.

Product code	1004213	1004215	1004217
S.W.L at 600mm LC	2.5 Tonne	2.5 Tonne	2.5 Tonne
Slipper Length (mm)	1600	1800	2400
To Suit Max	130 x 50	130 x 50	155 x 60
Weight	56kg	86kg	100kg

Extends standard fork tyne length.

### Features

- Slim profile with locking pins.

## TIPPING SKIPS



Product code	1004260		
Type	SSD4	NTU9	NTU12
Length x Width x Height (mm)	1200 x 710 x 500	1500 x 900 x 1000	1500 x 900 x 1000
Capacity	0.3 cu.m	1 cu.m	1.35 cu.m
S.W.L	1000kg	1000kg	1000kg
Weight	90kg	90kg	90kg

### Features

- Crane lugs and fork pockets.
- Wheels available on some units.

## FORKLIFT WORK PLATFORM (ACCESS CAGE)



Product code	1004220
Length x Width x Height (mm)	1200 x 1000 x 1900
S.W.L	250kg
Weight	115kg

To safely access high work areas for stocktakes or maintenance tasks.

### Features

- Two person capacity.
- Locking pins.
- Available in fixed or collapsible side models.

## FORKLIFT DRUM LIFTER



Product code	1004317
No. of Drums	1
Fork Pocket Centre (mm)	325
Fork Pocket Size (mm)	165 x 65
Load Centre (mm)	1340
S.W.L	500kg
Weight	62kg

Enables safe and precise placement of drums without the operator having to leave drivers seat.

### Features

- Fully automatic.
- Designed for standard 205L steel drum.

### FORKLIFT DRUM ROTATOR



Product code	1004250
S.W.L	500kg
Weight	100kg

For lifting, transporting and tipping 205L drums.

#### Features

- Safely secures drums.
- Chain rotation.
- 360° rotation of 205L drums.



### FORKLIFT JIB - SIMPLE SLIP ON



Product code	310085		
Width (mm)	620	920	1,080
S.W.L	2000kg @ 1000mm	2500kg @ 550mm, 1500kg @ 1100mm	4500kg @ 500mm, 3000kg @ 1100mm
Weight	45kg	75kg	110kg

Gives your forklift a lifting hook to safely suspend loads.

#### Features

- Chain retainer.
- Two position hook.



NB: Load centres for jibs are independent on forklift capacity.

### FORKLIFT JIB - EXTENDABLE



Product code	1004240	
Distance From Forklift Mast	2.5t @ 950mm	4.7 t @ 950mm
S.W.L	2500kg*	5000kg
Weight	130kg	170kg

Convert your forklift into a simple crane.

#### Features

- Chain retainer.
- Extends to 3500mm.
- Variable capacities up to 2500kg.



\* The maximum lift specified may be limited by the actual capacity of your forklift.

### FORKLIFT SWINGING EXTENDABLE JIB



Product code	1004245	
Angle	Straight	30°
S.W.L	1500kg @ 1000mm, 400kg @ 2770mm	300kg @ 2350mm

Used for hook lifting an offset load.

#### Features

- Pivoting boom allows for increased access and flexibility.



\* Minimum 2260kg SWL forklift required for full operation of jib.

# GANTRIES, FORKLIFTS, CRANES & ATTACHMENTS

## PANEL ATTACHMENTS



Product code	1002761
--------------	---------

Used when hook lifting sheets or panels. Retains the panel mechanically whilst being hoisted.

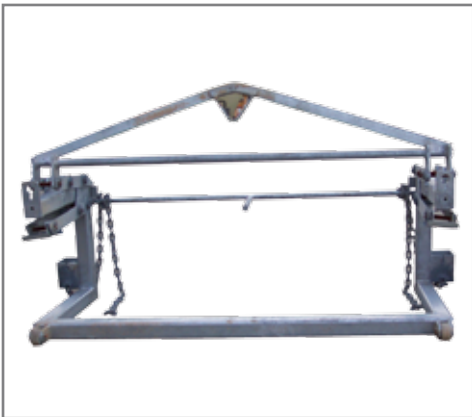
### Features

- Mechanical retainer for quick load retention and release.
- Positive locking when being hoisted.

### Technical

- SWL 150kg.

## HORIZONTAL FLOOR PANEL LIFTERS



Product code	340129
S.W.L	750kg
Largest Floor Panel (mm)	6000 x 600 x 200
Weight	91kg

Hook lifting and fitting of Hebel floor panels.

### Features

- Full safety chain fitted.
- Specifically designed for Hebel panels.

## VERTICAL WALL PANEL LIFTERS



Product code	340126
S.W.L	750kg
Largest Floor Panel (mm)	6000 x 600 x 200
Weight	36kg

Hook lifting Hebel wall panels vertically into place.

### Features

- Balanced lifting point.

## HORIZONTAL WALL PANEL LIFTERS



Product code	340127
--------------	--------

Hook lifting Hebel wall panels horizontally into place.

### Features

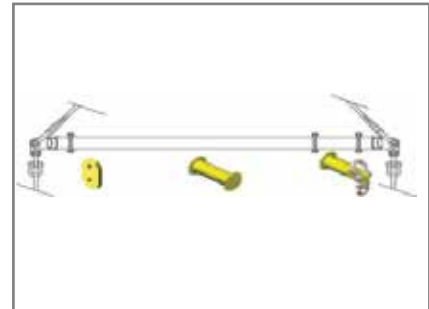
- Four large friction plates for secure lifting.
- Simple to use.

### Technical

- 675kg Lifting capacity.
- 40kg in weight.



## SPREADER BEAMS AND LIFTING BEAMS



\* Please note Beams capacity can vary depending on the Beam length.

## SPREADER BEAM

Code	Type	S.W.L. Min			S.W.L. Max			Unit Weight	Build
		Tonne	Length (metres)	Degrees	Tonne	Length (metres)	Degrees		
1004500	Spreader Beam to 2T	2	201	<90	2	2.1	<90	45	Fixed
2004520	Spreader Beam 3-5T	5	2	<90	5	2	<90	72	Fixed
1004490	Combi Beam 8.6T	8.6	2.1	<60	606	3.6	<60	76	Combi
9002063	Spreader Beam 12T	12	0.5	60	12	4	60	81	Modular
1004525	Spreader Beam 24T	24	1	60	14	6	60	291	Modular
1004525	Combi Beam 30T	30	4	60	30	6	<60	291	Combi
1004527	Spreader Beam 60T	60	1.5	60	37	11	60	941	Modular
1004528	Spreader Beam 70T	70	1	60	22	12	45	850	Modular
1004532	Spreader Beam 145T	145	2	60	76	20	60	3899	Modular
1004533	Spreader Beam 170T	170	2	60	53	16	60	4000	Modular
9002109	Spreader Beam 300T	300	2	90	90	26	90	7500	Modular

## LIFTING BEAM

Code	Type	S.W.L. Min		S.W.L. Max		Unit Weight	Build
		Tonne	Length (metres)	Tonne	Length (metres)		
1004490	Combi Beam 8.6T	1.3	2.1	0.8	3.6	76	Combi
1004525	Combi Beam 30T	2.2	4	1.4	6	291	Combi

Lifting wide loads without squashing. Lifting wide loads with single or multiple attachment points.

## Features

- Single or double lifting points available.



# SPECIALISTS IN BIG LIFTING EQUIPMENT

Contact Kennards Hire Lift & Shift for more info about our specialist range of glass lifting equipment.

To find out more, visit your local Kennards Hire Lift & Shift branch today, or visit our equipment range and hire online.

**AUSTRALIA**

**1300 897 419**

[www.kennards.com.au](http://www.kennards.com.au)

**NEW ZEALAND**

**09 273 3129**

[www.kennardshire.co.nz](http://www.kennardshire.co.nz)

**KENNARDS**  
HIRE





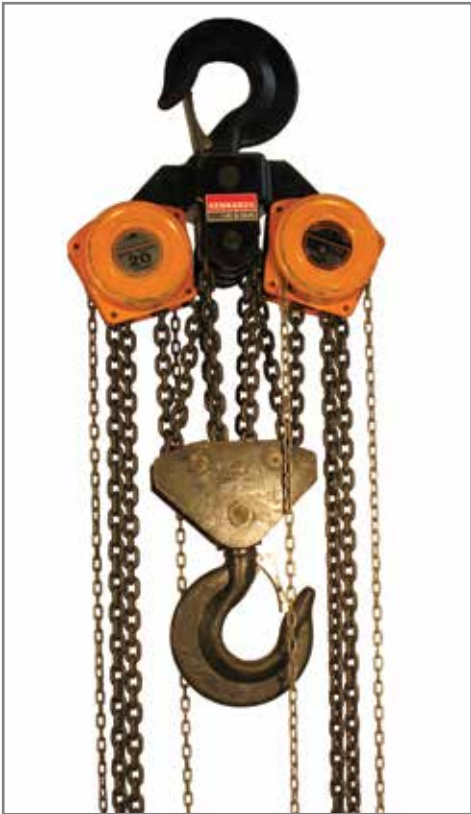
**Equipment that takes the strain out of raising and lowering loads.**

**CHAINBLOCKS  
WINCHES**

**54  
56**

**KENNARDS  
HIRE**

CHAINBLOCKS - MANUAL



Product code	Capacity	No. of Falls	Net Weight for 3m lift (kg)	Load Chain (mm x mm)	Hand Chain (mm x mm)	Effort to lift full load (N)
340010	500 Kg	1	9	Ø5 x 15	Ø5 x 23.7	210
340020	1 Tonne	1	12	Ø6.3 x 19	Ø5 x 23.7	285
1002790	1 Tonne	1	12	Ø6.3 x 19	Ø5 x 23.7	285
340030	2 Tonne	1	20	Ø8 x 24	Ø5 x 23.7	355
340031	3 Tonne	1	23	Ø8 x 24	Ø5 x 23.7	355
340032	3 Tonne	2	23	Ø7.1 x 21	Ø5 x 23.7	340
1002830	3 Tonne	2	23	Ø7.1 x 21	Ø5 x 23.7	340
340045	5 Tonne	2	39	Ø9 x 27	Ø5 x 23.7	400
1002842	5 Tonne	2	39	Ø9 x 27	Ø5 x 23.7	400
340047	10 Tonne	4	65	Ø9 x 27	Ø5 x 23.7	450
340048	20 Tonne	8	190			

For pulling or lifting.

**Features**

- All with current test certificates.
- Capacities through to 20 tonne.
- Various lifting lengths available.

CHAINBLOCKS - ELECTRIC



Product code	1002900	1002910	1002905	1002920	1002930	1002940
Rated Capacity (kg)	500	1000	2000	2000	3000	5000
Speed (m/min)	7.2	4.6	2.3	2.3	4.1	2.8
Load Chain Fall no.	1	1	2	2	2	2
Motor Spec	415V	240V	240V	415V	415V	415V
Weight	31kg	37kg	49kg	49kg	99kg	121kg
Headroom (mm)	450	530	645	645	820	1020

The same as with the manual chain hoist, only with a lot less effort and greater speed.

**Features**

- Fitted with chain containers, brakes, overload limiting device.
- Simple up/down pendant control.
- Range of lifting lengths available.
- 240V and 3Ø models available.

**Technical**

- SWL up to 5000kg with various lift heights.





## PNEUMATIC (AIR) CHAIN HOISTS



Product code	S.W.L	Lift speed At Full load base on JDN	No. of Falls	Air Consumption	Unit Weight	Chain Weight p/m lift
1002970	1000kg	5m/min	1	1.2m³/min @6 bar	26kg	1kg
1002980	2000kg	5m/min	2	1.2m³/min @6 bar	26kg	1kg
1002985	3000kg	5m/min	1	5.5m³/min @6 bar	78kg	4kg
1002987	6000kg	3.5m/min	2	5.5m³/min @6 bar	90kg	8kg
1002990	10T	3.4m/min	2	5.5m³/min @6 bar	120kg	12kg
1002993	12T	3.4m/min	3	5.5m³/min @6 bar	126kg	12kg
1002995	16T	3.5m/min	3	5.5m³/min @6 bar	186kg	18kg
1003000	20T	0.7m/m/min	4	5.5m³/min @6 bar	213kg	24kg
9002509	30T	0.65/min	3	6.5m³/min @6 bar	768kg	36kg

Note: 1m³ = 35ft³ and 6bar = 87psi. \*50T and 100T chain hoists available on request.

Used in potentially explosive atmospheres such as mines.

**Features**

- 100% duty cycle, allowing for extremely long lifts.
- Fitted with chain containers, brakes, overload/limiting device.
- Choice of up/down pendant control or cord control.

**Technical**

- SWL up to 100T\* with various lift heights.
- All JDN models are manufactured to comply with AS1418.2.



## PNEUMATIC CHAINBLOCK CORDLESS PENDANT CONTROL - WIRELESS KIT

Product code	9002125
Charging time	Fast charging max 2 hours
Batter life	8 hours

**Features**

- All JDN models are manufactured to comply with AS1418.2.
- Provides operation distance of up to 100 metres.
- Quick reaction time & remote to hoist response time is < 150 ms.
- Switch from standard pendant to cordless remote control in minutes.
- Electric over pneumatic solenoids.

**Kit contains**

- 3 Phase Power lead available.
- Charger.
- Control box.
- 2 x Batteries.
- Rubber Shroud.
- Wireless Receiver.
- Wireless Remote.
- Air Hoses & 240 Volt Power Lead.



## LEVER BLOCKS



Product code	1003050	340034	340035	340040	1003085	1003090
Size	250kg	750kg	1.5T	3T	6T	9T
Rated Capacity	250kg	750kg	1600kg	3200kg	6300kg	9000kg
Headroom	230mm	295mm	350mm	425mm	565mm	680mm
Weight	1.9kg	7.0kg	9.8kg	16.6kg	27.0kg	47.3kg

For pulling or lifting.

**Features**

- Use the lever block upside down to operate at ground level.
- Various lifting lengths available.

**Technical**

- Sizes - 250kg to 9000kg.
- Chain drops at various lengths.
- Some blocks have overload protection.



## CHAINBLOCKS &amp; WINCHES

## CAPSTAN WINCH - 6.5 TONNE



Product code	9002534		
Length x Width x Height (mm)	1580 x 1086 x 1460	Line Speed (mpm)	Up to 12m
Weight	990kg approx	Fuel Tank Capacity	40L
Power	Diesel Engine - Water cooled 16.8hp Kohler Diesel Engine	Oil Reservoir Capacity	45L Oil reservoir c/w return line filter, sight glass & filler port.

## Features

- Mine compliant.
- Easily fits into the back of most utilities for transport.
- Forklift pick up accessible from all sides.
- Line haul tension data logging and reporting - fully customised.
- Touch pad adjustment of kN tension setting.
- Operator mesh guard for added safety.
- Lifting / tie down anchor lugs in six places and 4 x anchor foot plates.
- Full colour all in one HMI touch screen + PLC Controller giving on screen access & control.
- Remote foot control with 4 metre shielded cable lead.

## CAPSTAN WINCH - 4.5HP / 9HP / 11HP / 13HP



Product code	1003264	1003266	1003268	9002855
Length x Width x Height (mm)	1010 x 640 x 440	1200 x 750 x 550	1220 x 550 x 595	1300 x 800 x 650
Weight	92kg	130kg	140kg	160kg
Power	4HP Petrol	9HP Petrol	11HP Petrol	13HP key start
Line Speed (mpm)	2.5 - 10	2.5 - 10	5 - 10	5 - 10
Normal line pull	500kg	1500kg	2000kg	2500kg

## Features

- Honda petrol engine.
- For pulling power or datacom cables.
- Air Wheels and retractable handle makes this unit easy to move.
- Emergency stop switch.
- Hiab or Crane lifting loop.

## CAPSTAN WINCH - OPTIC FIBRE 2KN / 5KN / 10KN / 30KN



Product code	1003254		
Length x Width x Height (mm)	2350 x 1440 x 800		
Weight	470kg		
Power	Petrol		
Normal line pull	2kN/5kN/10kN/30kN		
Line Speed (mpm)	Variable		

## Features

- Compact skid mounted design.
- Winch can be ute, truck or trailer mounted.
- Custom trailer designed to offer safe operators zone.
- Tilt and direction adjustable via joy stick or pedal.
- Winch locked to 2kN for Optic fibre hauling, as per Telstra specifications.

## CAPSTAN WINCH - 1500KG / 2500KG



Product code	1003260		
Length x Width x Height (mm)	740 x 560 x 340		
Weight	60kg		
Power	240V		
Line Speed (mpm)	2.5 - 4		

## Features

- Foot control.
- For pulling power or datacom cables.

## CAPSTAN WINCH - 3600KG



Product code	1003269
Length x Width x Height (mm)	292 x 660 x 215
Weight	90kg
Power	240V
Line Speed (mpm)	2.5 - 5

## Features

- Foot control.
- Unique floor mounting attachment for quick, reliable set up.
- Leaf-type mounting chains won't twist when tightening.
- Force Gauge included to constantly monitor the pull.



## WINCH - ELECTRIC



Product code	Capacity	Speed	Wire rope	Weight	Length x Width x Height (mm)
9002438	200kg	11-16m/min	5mm x 46m	30kg	413 x 210 x 270
1003270	300kg	12-18m/min	7mm x 38m	44kg	630 x 240 x 300
9002848	400kg	12-18m/min	9mm x 60m	120kg	937 x 367 x 425
1003275	2 Tonne	7-12m/min	16mm x 100m	450kg	110 x 495 x 529

Lifting or pulling loads at any angle. Can be sheaved to increase load.

## Features

- Pendant controlled, auto braking in the event of a power failure.
- Base can be dyna-bolted or tied into position.
- Variable rope length.



## CABLE HAULING ROPE - LOW CAPACITY



Type	Superdan			Polypropylene (Green with gold fleck)	
Diameter (mm)	12mm	16mm	20mm	16mm	20mm
Breaking Strain	2.7T	4.5T	6.9T	4.5T	6.9T
Strand	3	3	3	3	3
Length	Various from 100m			Various from 100m	

## Features

- Thimble eye on both ends.
- Supplied on drum for easy handling.



## CABLE HAULING ROPE - HIGH CAPACITY



Type	SK75		Pelican	
Diameter (mm)	16mm	18mm	16mm	20mm
Breaking Strain	24T	28.7T	22.7T	30T
Strand	12	12	12	12
Length	Various from 100m		Various from 100m	

## Features

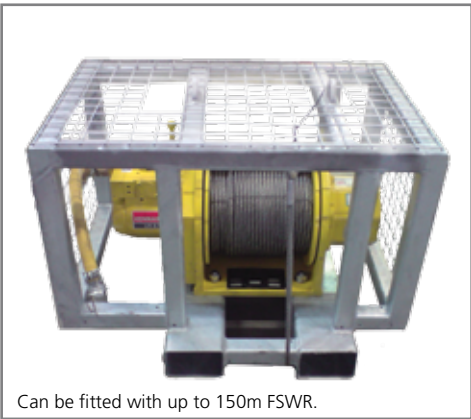
- Thimble eye on both ends.
- Low stretch.
- Supplied on drum for easy handling.





# CHAINBLOCKS & WINCHES

## WINCH - PNEUMATIC (AIR) 2T/5T



Can be fitted with up to 150m FSWR.

Product code	1003350	9002512
Air Usage	4m³/min	700scfm / 20cu.m/min
Speed	6.7m/min	16m/min
S.W.L	2000kg	5000kg
Rope	11mm	16mm
Weight	104kg (no rope)	776kg

For lifting or pulling long hauls.

### Features

- Fully enclosed galvanised steel frame.
- Fork pockets for easy transport.
- Bolt or sling provisions for securing winch.
- Fail safe disc brake.
- Variable speed and precise control.

## MANUAL WIRE ROPE HOISTS



Product code	1003210	1003350
S.W.L lift	1600g	3200kg
S.W.L pull	2500kg	5000kg
Rope length	20m standard	20m standard
Weight	13kg	26kg

Lifting, pulling, lowering and holding loads.

### Features

- One man operation.
- Longer rope lengths are available.



SCAFFOLD HOIST - 200KG



Product code	340126
Lift height	20m
Lift speed	13m/min
S.W.L	200kg
Power	240V
Weight	23kg

Safe lifting of medium loads in a wide range of applications.

Features

- Fast lifting.
- Lightweight.
- 240v plug in.
- Raise position limit switch.



MINIFOR

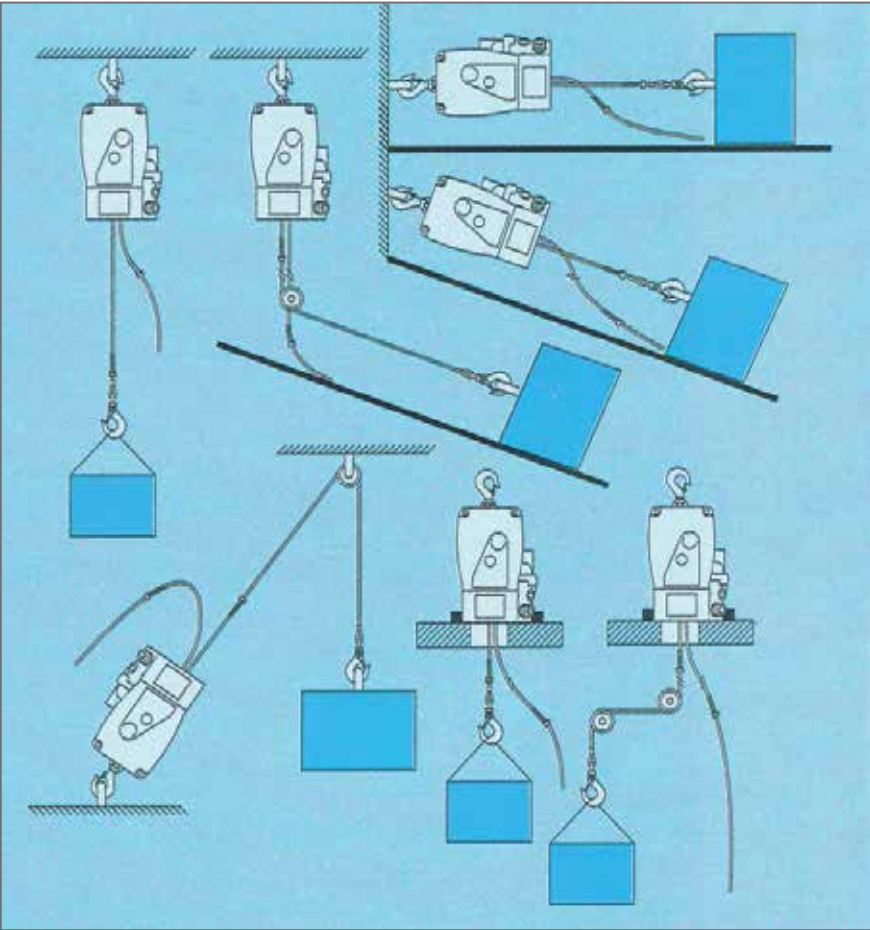


Product code		1003300	1003310
Model		TR30	TR50
Length x Width x Height (mm)		360 x 420 x 180	495 x 425 x225
Speed	Direct	5m/min	7m/min
	Sheaved	2.5/min	3.5/min
S.W.L	Direct	300kg	500kg
	Sheaved	500kg	950kg
Weight		22kg	32kg

Winching or hoisting loads.

Features

- Compact, lightweight and easy to handle.
- Brake incorporated into motor.
- Adjustable upper and lower end stops.
- 240V.





# SPECIALISTS IN BIG LIFTING EQUIPMENT

Contact Kennards Hire Lift & Shift for more info about our specialist range of spreader beam equipment.

To find out more, visit your local Kennards Hire Lift & Shift branch today, or visit our equipment range and hire online.

**AUSTRALIA**

**1300 897 419**

[www.kennards.com.au](http://www.kennards.com.au)

**NEW ZEALAND**

**09 273 3129**

[www.kennardshire.co.nz](http://www.kennardshire.co.nz)

**KENNARDS**  
HIRE



**Equipment to take the backache out of hoisting and transporting material.**

<b>MATERIAL HOISTS</b>	<b>62</b>
<b>PANEL LIFTERS</b>	<b>63</b>
<b>BRICK/BLOCKS &amp; TILE ELEVATORS</b>	<b>66</b>
<b>CONVEYORS</b>	<b>67</b>
<b>DUMPERS &amp; BARROWS</b>	<b>68</b>

**KENNARDS**  
HIRE



HOISTS ACCESSORIES

MATERIAL HOISTS - SUMNER



Product code	1002560	340110	340112	340103
Model	2010	2015	2025	2412
Max lift	445kg	360kg	300kg	180kg
Raised max height	2.6m	4.1m	6.9m	3.9m
Max height - forks reversed	3.2m	4.63m	7.5m	3.9m
Weight	104.4kg	143.2kg	211.2kg	88.5kg

Features

- Cable stay brake.
- Unique mast hold - down.
- Reversible forks / lockable 5" casters.
- Fast action stabiliser legs.
- Loading bar / Roller wheels.
- 10" rough terrain wheels.
- Inside - Mast cable feed.

Optional Extras

- Fork extensions.
- Boom carriage.
- Pipe cradle.

MATERIAL HOISTS - GENIE



Product code	1002560	340110	340112
Model	SLA10	SLC18	SLA25
Lift Height (min-max) (mm)	152-3500	150-5640	152-7900
Unit height (mm)	1994	2184	1994
Unit width (mm)	800	800	800
S.W.L	454kg	295kg	295kg
Unit weight	137kg	140kg	204kg

Load Capacity Chart - Maximum Load Centre

Model	460mm	610mm	810mm	1070mm
SLA10	454kg	454kg	295kg	181kg
SLC18	256kg	193kg	125kg	73kg
SLA25	295kg	204kg	159kg	113kg

Lifting air conditioners, ducting, machinery, light steel and timber beams.

Features

- Use two together for long or heavy loads.
- Legs fold up for transportation.
- Fork tynes invert to raise right to ceiling height.
- Straddle outriggers and adjustable leg width on some models.



## BEAM LIFTER



Product code	1002745
Width (mm)	790
Max Height (mm)	3000
Min Load Point	1.1m Heading Fork, 1.36m with adapter
S.W.L	600kg
Weight	86kg

Lifting heavy beams in a controlled manner.

### Features

- Mechanical drive for accurate and safe lifting.
- Collapses to fit easily in ute or van.
- Easy to push around.
- Plate swivels for better placement of load.



## MATERIAL HOIST GL LIFTS



Product code	340103	1002530
Model	GL10	GL12
Depth x Width (mm)	1060 x 730	1060 x 730
Lift Height (min-max) (mm)	50-3000	50-3600
Unit Height Stowed (mm)	1965	1965
S.W.L	159kg	159kg
Weight	68kg	72kg

Lifting air conditioners, TV's, light steel, etc.

### Features

- Forks reach right to the end of the legs for working hard against walls.
- Adjustable leg width allows for greater versatility and stability.
- Some models have ladders incorporated.



## MATERIAL HOIST T BAR LIFTS



Product code	1002660	1002680
Lift Height (min-max) (mm)	1140 - 2300	1400 - 3300
Platform Size (mm)	660 x 660	660 x 660
S.W.L	100kg	100kg
Weight	34kg	37kg

To position and install ducting, air conditioners, overhead plant.

### Features

- Mechanical winch lift.
- Lightweight.



## MATERIAL HOIST GAS HOIST



Product code	1002620	1002630
Lift Height (min-max) (mm)	1040 - 3800	1370 - 5600
Platform Size (mm)	480 x 610	480 x 610
S.W.L	136kg	113kg
Weight	29kg	31kg

To position and install ducting, air conditioners, overhead plant.

### Features

- Made from aluminum, this unit is very light and easily transportable.
- Can run off compressed air or CO2.



## HOISTS & CONVEYORS

### LOAD PLATFORM



Product code 1002710

For loads that would fall between fork tynes.

### ROTATING BARREL HANDLER



Product code 1002730

Allows controlled tipping of standard 120L and 205L metal drums with rolling ribs. SLA10 only.

### EXTENSION FORKS



Product code 1002720

Reach lifting - S.W.L. of machine reduces the further out the load is positioned.

NB - S.W.L. of machine reduces the further out the load is positioned.

### BOOM



Product code 1002700

Turns the unit into a vertical crane or hoist.

#### Features

- Adjustable from 460 – 1070mm.

MATERIAL HOIST - COUNTERWEIGHTED



Product code	1002610	
Width x Height (mm)	800 x 2040	800 x 2040
Max Lift Height	6m	3m
S.W.L	300kg @ 460mm	450kg
Weight	312kg (inc. 128 counterweight)	151kg

Lifting air conditioners, ducting, glass panels, machinery, light steel and timber beams.

Features

- Counterweighted.
- Legs fold up for transportation.
- Fork tynes reverse to raise flush to ceiling.
- One large nylon wheel for easy manouvering.

GLASS LIFTING ATTACHMENT



Product code	1009520
--------------	---------

For vertical lifting and/or horizontal placement of sheet glass.





## HOISTS &amp; CONVEYORS

## BRICK &amp; BLOCK ELEVATOR



Product code	1003432
Length (mm)	7500
Belt width (mm)	150mm
S.W.L	80kg
Weight	134kg

Raising or lowering bricks, blocks and mortar. Also can be used for small quantities of sand.

**Features**

- 240V reversable motor.
- Folds up for easy transport.
- Emergency stop.
- Mortar bucket.

## BRICK, BLOCK, TILE ELEVATOR



Product code	1003431	1003433
Length (metre)	6m	10m
Max lift (metre)	8m	4m
Moving Capacity (Units @ 5m p/min)	40 Units (20kg max. per carrier)	40 Units (20kg max. per carrier)
S.W.L length	80kg	80kg
Weight	103kg	119kg

Can clear 1000 tiles in 25 minutes – can be used from single to three storey lift.

**Features**

- 80kg payload - loads tiles, fittings, bricks, blocks, mortar, etc.
- Continuous action - no waiting for platforms to be loaded/ unloaded.
- Easily moved, repositioned in seconds.
- Powered reverse for stripping salvage.

## TILE ELEVATOR



Product code	120012
--------------	--------

Loading and unloading terracotta tiles on and off roofs.

**Features**

- Reversible action for roof stripping.
- Lightweight construction allows for easier transport and moving around sites.
- Extensions available for double storey buildings.
- Top discharge landing for easy unloading.
- 240V electric motor.
- Folds in half for easy transporting.

**Technical**

- Weighs just 11 0kg at 9.5m.
- Extension makes it a 14m unit.
- 4m of extension after bend (knuckle).
- Unload roof from first and second storeys only.

## CONVEYORS - SOIL 240V



Product code	1004720	9002595	1004760
Length x Width (mm)	3000 x 490	4500 x 490	6000 x 490
Motor	.55kW	.55kW	.55kW
Capacity	20T/hour	20T/hour	20T/hour
Weight	78kg	88kg	106kg

Move sand, brick and building rubble. Conveyors can operate on a maximum inclination of 30°. Can be used for areas with narrow access. Multi-purpose hopper available.

**Features**

- Each conveyor can be handled by two men with ease.
- Compact design makes loading easy.
- 45m of conveyor assembled in only 15mins.
- No specialist skills or equipment required.
- Up to 20 tonnes can be handled per hour depending on loads and conditions.
- 240V, 10 amp.
- Inbuilt circuit breaker.

## CONVEYORS - FLEXIBLE



Product code	1004790	1004800	1004810
Length x Width (mm)	4500 x 600	7500 x 580	6000 x 445
Power	Manual	Manual	Electric

This equipment item is designed to make loading and unloading of trucks faster, safer and easier. Ideal for use at distribution centres while shipping and receiving goods.

**Features**

- The flex conveyor has a 300kg capacity per linear metre.
- 720 to 1000mm adjustable conveyor height.



## CONVEYORS - GRAVITY



Product code	1004820
--------------	---------

This equipment item is designed to make loading and unloading of trucks faster, safer and easier.

**Features**

- Fixed length, straight line only.
- Non-powered gravity 3m length & 600mm wide.
- Good for 150kg per 0.3m.
- Can be joined for longer lengths.





LADDER LIFT



Product code	1003395	1003400
Length (mm)	Up to 10m	Up to 20m

Near-vertical lifting of up to 200kg loads. Used for carrying a variety of items from sand and rubble to household furnishings.

**Features**

- Comes with a variety of skips and trolleys to suit a number of applications.
- Bends to allow for more flexible construction.
- Tipping skips discharge materials without the need for any extra labour.

**Technical**

- SWL 200kg.
- Available up to 20m.

PETROL WHEELBARROW



Product code	1004900
Tray size Length x Width x Height (mm)	1900 x 635 x 106
S.W.L	400kg Level 250kg 25° slope
Weight	160kg

Moving materials through tight access or over steep and rough terrain.

**Features**

- Self loading onto a box trailer.
- Caterpillar tracks.
- Large cargo bed that has removable sides.
- 2 speeds forward & 1 reverse.



**Equipment to make light work of hauling and positioning rocks, blocks and slabs.**

<b>BLOCK HANDLING</b>	<b>70</b>
<b>ROCK HANDLING</b>	<b>71</b>

**KENNARDS**  
HIRE



## ROCK & BLOCK HANDLING

### BLOCK GRAB - 500KG



Product code	1004390
Opening width (mm)	0-560
S.W.L	500kg
Weight	29kg

Used for lifting and manouvering heavy masonry or stone blocks and prefabricated sections.

#### Features

- Lifting eye to attach to a crane hook.
- Suitable for handling steps, kerb stones, I-stones, in conjunction with a lifting device.
- Easily adjustable opening width by means of a spring-loaded bolt.
- Automatic release for fully automatic switch-over from 'full' to 'empty'.

### BLOCK GRAB - 1500KG



Product code	1004400
Opening width (mm)	0-775
S.W.L	1500kg
Weight	85kg

Used for lifting and manouvering heavy masonry or stone blocks and prefabricated sections.

#### Features

- Lifting eye to attach to a crane hook.
- Automatic release.
- Height adjustment.

## STONE SLAB GRAB



Product code	1006340
Grip range (mm)	10-50
S.W.L	1200kg
Weight	24kg

Hook lifting slabs of granite, marble etc.

### Features

- Small compact easy to use lifting device.
- Effective 'camming' mechanism to prevent slabs from breaking or slipping.
- Outstanding operation flexibility thanks to the special swivel hook.
- Compact structure and rubber pads to prevent scratching and damages to finished work pieces.



## MECHANICAL BOULDER GRAB



Product code	1004410
Opening width (mm)	0-950
S.W.L	1500kg
Weight	80kg

For the lifting and positioning of heavy boulders.

### Features

- Centre point hook lift.
- The clamp can be lifted after setting of the stone with chains, by changing the chain-position.
- Automatically adjustable opening width from 0 to a maximum of 950mm.



## MANUAL BOULDER GRAB



Product code	1004390
Opening width (mm)	0-560
S.W.L	500kg
Weight	29kg

Used for lifting and manouvering heavy masonry or stone blocks and prefabricated sections.

### Features

- Lifting eye to attach to a crane hook.
- Suitable for handling steps, kerb stones, l-stones, in conjunction with a lifting device.
- Easily adjustable opening width by means of a spring-loaded bolt.
- Automatic release for fully automatic switch-over from 'full' to 'empty'.



## UNIVERSAL HANDLES



Product code	1004370
Max Lifting Capacity	1600kg
Max Lifting Height (metre)	1.777m
Min Width (mm)	1240
Max Width (mm)	1800
Weight	1450kg

Allows for two people to carry and position blocks, step and large pavers.

### Features

- Angled gripper allows for close alignment and minimal gap.
- Equipped with a lifting eye.







# SPECIALISTS IN BIG LIFTING EQUIPMENT

Contact Kennards Hire Lift & Shift for more info about our specialist range of spreader beam equipment.

To find out more, visit your local Kennards Hire Lift & Shift branch today, or visit our equipment range and hire online.

**AUSTRALIA**

**1300 897 419**

[www.kennards.com.au](http://www.kennards.com.au)

**NEW ZEALAND**

**09 273 3129**

[www.kennardshire.co.nz](http://www.kennardshire.co.nz)

**KENNARDS**  
HIRE





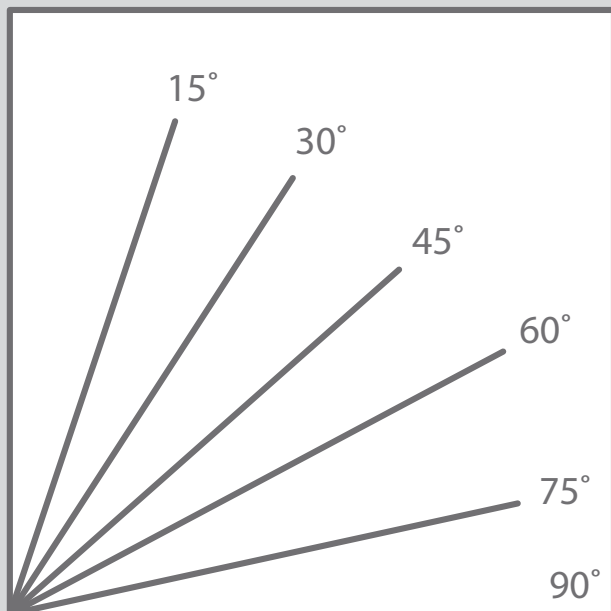
**Equipment to make glass handling safe, efficient and easy.**

<b>MOBILE GLASS LIFTERS</b>	<b>74</b>
<b>GLASS LIFTERS</b>	<b>75</b>
<b>GLASS HANDLING</b>	<b>79</b>

**KENNARDS**  
HIRE

## LOAD OVERHANG TABLE

This chart gives a general guide in determining how many vacuum cups are required to handle glass sheet. It is essential that the lifter you select not only has enough lifting capacity, but also has enough pads to adequately support the sheet.



Glass Thickness mm	Allowable Overhang 90°	Allowable Overhang 60°	Allowable Overhang 45°	Allowable Overhang 30°
3	550	650	750	1100
4	600	700	850	1200
5	650	750	900	1300
6	700	800	1000	1400
8	750	850	1100	1500
10	800	950	1200	1600
12	900	1050	1300	1800
15	1000	1150	1400	2000
19	1100	1200	1500	2200
22	1150	1300	1600	2300
25	1200	1400	1700	2400

### Warning:

This chart in no way guarantees that whatever the relationship is within limits indicated on the above chart, the chance of glass breakage is significantly decreased.

Unpredictable factors such as edge damage, glass flaws, rough handling, contaminants on the glass or pads, or any number of other unpredictable circumstances will result in glass breakage.

## MOBILE GLASS LIFTER 350KG



Product code	1009543
Length x Width x Height (mm)	2170 x 848 x 1255
Weight	605kg approx.
Max Lift Capacity	350kg
Max Lift Height (mm)	2000 (centre)

### Features

- Fits through standard doors.
- Fine multi-directional head movement.
- Small foot print for indoor work.
- Ideal for shop fronts.
- Extension arm available for extra reach.

## MOBILE GLASS LIFTER 500KG – WINLET / TITAN



Product code	1009544
Length x Width x Height (mm)	1880 x 890 x 2900
Weight	1300kg approx.
Max Lift Capacity	575kg
Max Lift Height (mm)	3200 (centre)

### Features

- Market leading European design.
- Precision multi-directional head movement.
- Removable pendant control.
- Overload prevention.

## MOBILE GLASS LIFTER 500KG – ARLINGTON



Product code	1009544
Length x Width x Height (mm)	3000 x 900 x 1850
Weight	1710kg
Max Lift Capacity	500kg
Max Lift Height (mm)	5700 (centre)

## Features

- Highest reach in class.
- Ideal for skylight installation.
- Removable counterweight.
- Precision multi-directional head movement.



## MOBILE GLASS LIFTER 500KG – INTELLITECH



Product code	1009544
Length x Width x Height (mm)	3500 x 950 x 1850
Weight	1410kg
Max Lift Capacity	500kg
Max Lift Height (mm)	5500 (centre)

## Features

- Slewing function.
- Precision multi-directional head movement.
- Extendable front wheels for increased stability.



## MOBILE GLASS LIFTER 900KG



Product code	1009546
Length x Width x Height (mm)	3550 x 1170 x 2050
Weight	2080kg
Max Lift Capacity	900kg
Max Lift Height (mm)	3550 (centre)

## Features

- Largest load capacity.
- Precision multi-directional head movement.
- Removable counterweight.



## GLASS LIFTER 500KG FORK MOUNTED



Product code	9003128
Length x Width x Height (mm)	1100 x 1100 x 1750
Weight	720kg (+ specific adaptor approx 50kg)
Max Lift Capacity	500kg

## Features

- Suitable for forklift and tele handler connection.
- Precision multi-directional head movement.
- Two circuit vac system with visual and audio alarm.
- Ideal for glazing under awnings.
- Adaptable for a range of materials.





## GLASS HANDLING

## GLASS LIFTER - 900KG



Product code	1009546		
Load Capacity	900kg	Wheels (front and back)	Puncture proof
Machine Weight	2060kg	Charging Current	220V
Machine Width (mm)	1135mm	Battery	12V
Max Machine Height (mm)	4250mm	Charging Time	12 hours

Used for handling large sheets of glass.

**Features**

- Load lifting capacity of 900kg.
- Extra long-life battery.
- Dual front wheels for added stability.
- Lifting capacity to 4.25m.
- No license required.
- Able to pass through standard doorways.
- Inbuilt rear outriggers for additional stability overhead from 3.5m to 6.0m.
- Dual vacuum pumps and secondary circuit for ultimate operator safety.
- It is easily adapted to lift other materials such as granite, concrete, wood, steel, fire doors and more.

## GLASS LIFTER - 500KG



Product code	1009544		
Load Capacity	500kg	Wheels (front and back)	Puncture proof
Machine Weight	1000kg	Charging Current	220V
Machine Width (mm)	1135	Battery	12V
Max Machine Height (mm)	6000	Charging Time	12 hours

**Features**

- Load lifting capacity of 500kg.
- Can lift objects from floor level up 5m.
- Extra long-life battery.
- Hydraulic lifting mechanism.
- Precise controls.
- Side shift & lift for tilting.
- OS&HA international certified.
- No license required.
- It is easily adapted to lift other materials such as granite, concrete, wood, steel, fire doors and more.

## GLASS LIFTER - 500KG



Product code	1009544		
Machine Length	3790 fully extended		
Machine Width (mm)	Min 950	Wheels (front and back)	Puncture proof
Max Machine Height (mm)	4500	Charging Current	230/110V
Load Capacity	500kg	Battery	12V
Machine Weight	1410kg	Charging Time	Approx. 8 hours

**Features**

- Load lifting capacity of 500kg.
- Can lift objects from floor level up 5m in all directions.
- Direct operation or remote controlled.
- Easily mounted on all types of objects in any angle.
- One of the world's safest two-circuit vacuum systems.
- Powerful and highly flexible machine.
- It is easily adapted to lift other materials such as granite, concrete, wood, steel, fire doors and more.

## GLASS LIFTER - 575KG



Product code	1009544		
Machine Length	1900mm		
Machine Width (mm)	Min 890	Wheels (front and back)	Puncture proof
Max Machine Height (mm)	1600	Charging Current	230/110V
Load Capacity	575	Battery	12V
Machine Weight	1300kg	Charging Time	Approx. 8 hours

**Features**

- Load lifting capacity of 500kg.
- Can lift objects from floor level up 5m in all directions.
- Direct operation or remote controlled.
- Easily mounted on all types of objects in any angle.
- One of the world's safest two-circuit vacuum systems.
- Powerful and highly flexible machine.
- It is easily adapted to lift other materials such as granite, concrete, wood, steel, fire doors and more.

## GLASS LIFTER - 350KG



Product code	1009543		
Machine Length	2170/2600		
Machine Width (mm)	Min 848	Wheels (front and back)	Puncture proof
Max Machine Height (mm)	2720	Charging Current	230/110V
Load Capacity	350kg	Battery	12V
Machine Weight	595kg	Charging Time	Approx. 12 hours

**Features**

- 12V self propelled glass lifter.
- Extra long life battery.
- Hydraulic lifting mechanism.
- Precise controls.
- Side shift & lift for tilting.
- It is easily adapted to lift other materials such as granite, concrete, wood, steel, fire doors and more.

## GLASS LIFTER - VERTICAL 200KG



Product code	1009520
--------------	---------

For vertical lifting and or horizontal placement of sheet glass.\*

**Features**

- 4 x 200mm rubber suction cups to protect from scratching glass.
- L x W = 1300 x 750mm.
- 5m maximum lift height.
- Please refer to glass charts regarding maximum overhang.

\*Note: Toughened glass does not constitute a smooth surface and glass suckers maybe ineffective.

Refer to glass chart on page 74.



## MATERIAL HOIST COUNTERWEIGHTED 450KG 3MT/300KG 6MT



450kg 3MT model shown

Product code	9002816	1002610
Length x Width x Height (mm)	950 x 800 x 2040 (stowed)	950 x 800 x 2040 (stowed)
Weight	246kg (including counterweights)	312kg (including counterweights)
Max Lift Capacity	450kg at 410mm load centre	360kg at 410mm load centre
Max Lift Height (mm)	3000	6000

**Features**

- Used in conjunction with vacuum glass rig.
- Compact size and light weight is ideal for indoor use.
- Multiple glass lifting attachments available.
- Can be transported on a utility or a trailer.

## GLASS LIFTER VARIABLE 200KG



Product code	1009530
Length x Width (mm)	1250 x 1650 x 210
Weight	30kg
Max Lift Capacity	200kg

**Features**

- Suitable for roof panels.
- Rotates in three planes.
- Can be used with any suitable material hoist.
- Great for tight locations.
- Adjustable for various panel sizes.

## VACUUM GLASS LIFTER 12V INLINE 320KG / 500KG



320kg model shown

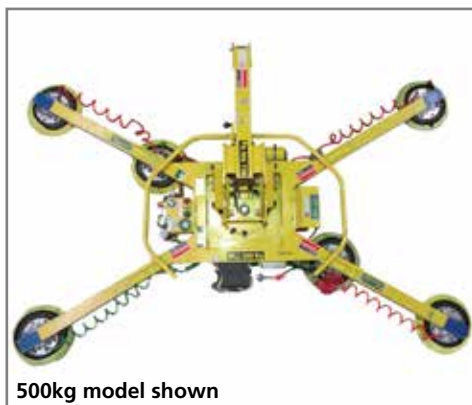
Product code	1009533	1009555*
Length x Width (mm)	1600 x 320	2130 x 320
Weight	32kg	57kg
Max Lift Capacity	320kg	500kg

**Features**

- Tilts and rotates.
- Ideal for narrow panels.
- Dual system\*.
- Vacuum alarm.

\*Not all equipment is available from all locations.

## VACUUM GLASS LIFTER 12V SPIDER 320KG / 500KG



500kg model shown

Product code	1009541	1009539*
Length x Width (mm)	Adjustable	Adjustable
Weight	56kg	86kg
Max Lift Capacity	320kg	500kg

**Features**

- Tilts and rotates making panel positioning easy.
- Adjustable to suit a large range of panel sizes.
- Dual system\*.
- Vacuum alarm.

\*Not all equipment is available from all locations.



## VACUUM GLASS LIFTER 12V DUAL CHANNEL 635KG



Product code	1009560
Length x Width (mm)	1259 x 1378
Weight	78kg
Max Lift Capacity	635kg

**Features**

- Tilts and rotates making panel positioning easy.
- Vacuum alarm.
- Reserve vacuum tanks.



## VACUUM GLASS LIFTER 12V TWIN SYSTEM 300KG



Product code	9002797
Length x Width (mm)	Adjustable
Weight	45kg
Max Lift Capacity	300kg

**Features**

- Complete twin system for added safety.
- Tilts and rotates making panel positioning easy.
- Vacuum alarm.
- Adjustable to suit a large range of panel sizes.
- Latest European technology.



## VACUUM GLASS LIFTER 12V TWIN SYSTEM 600KG



Product code	9003058
Length x Width (mm)	Adjustable
Weight	70kg
Max Lift Capacity	600kg

**Features**

- Complete twin vac system for added safety.
- Tilts and rotates making panel positioning easy.
- Vacuum alarm.
- Adjustable to suit a large range of panel sizes.
- Latest European technology.



## VACUUM GLASS LIFTER 12V TWIN SYSTEM 1000KG



Product code	9002166
Length x Width (mm)	Adjustable
Weight	120kg
Max Lift Capacity	1000kg

**Features**

- Complete twin vac system for added safety.
- Tilts and rotates making panel positioning easy.
- Vacuum alarm.
- Adjustable to suit a large range of panel sizes.
- Latest European technology.



## A-FRAME TROLLEY SINGLE SIDED / TROLLEY SELF LOCKING



Product code	1000674	1000511
Length x Width (mm)	1810 x 650 x 1530	940 x 500 x 610
Weight	130kg	22kg
Max Lift Capacity	1000kg	400kg

**Features**

- Ideal for narrow openings.
- Easy to manoeuvre.

## A-FRAME TROLLEY DOUBLE SIDED SMALL



Product code	100673	1000675
Length x Width x Height (mm)	1810 x 1100 x 1585	1810 x 1100 x 1585
Weight	193kg	195kg
WLL	2000kg	2000kg
WLL lifting	1000kg	2000kg

**Features**

- Low height units.
- Can be lifted by crane or forklift.
- Easy to manoeuvre.

## A-FRAME TROLLEY - SMALL - MEDIUM - LARGE



Product code	1000675		
Length x Width x Height (mm)	1810 x 1100 x 1600		
Variation	Lifted from fork pockets	Hook lifted	Trolley when on castors
S.W.L.	2000kg	1000kg	500kg
Net Weight	215kg		

Used to transport and lift glass sheets.

**Features**

- Sturdy structure designed to reduce any risk of tipping over.
- Special rubber profiles and adjustable tighteners to secure glass and reduce scratching.
- Frame features two hooking points to be picked up by an overhead crane.
- Built in brackets for forklift transport.
- Large pull-out castors.

## A-FRAME TROLLEY DOUBLE SIDED MEDIUM



Product code	100676	1000677
Length x Width x Height (mm)	1810 x 1100 x 1985	1810 x 1100 x 1985
Weight	215kg	217kg
WLL	2000kg	2000kg
WLL lifting	1000kg	2000kg

**Features**

- Can be lifted by crane or forklift.
- Easy to manoeuvre.

## TROLLEY DOUBLE SIDED LARGE



Product code	1000679
Length x Width x Height (mm)	1810 x 1100 x 2580
Weight	226kg
WLL	2000kg
WLL lifting	2000kg

**Features**

- Suitable for large sheets of glass.
- Can be lifted by crane or forklift.
- Easy to manoeuvre manually.

## GLASS SUCKER HANDHELD



Product code	1009510
--------------	---------

Designed to make the carrying of large glass sheets safe and easy.

**Features**

- 200mm rubber suction cup to prevent damage of glass.
- Thumb button for easy release.

**Technical**

- Safe hand-lifting weight: 56kg.

## GLASS LIFTING CLAMP



Product code	1009550
Grip range (mm)	2-28
S.W.L	750kg
Clamp weight	32kg

Made for hook lifting plate glass.

**Features**

- Fully automatic.
- Large grip range of 2mm - 28mm.
- Width 600mm.





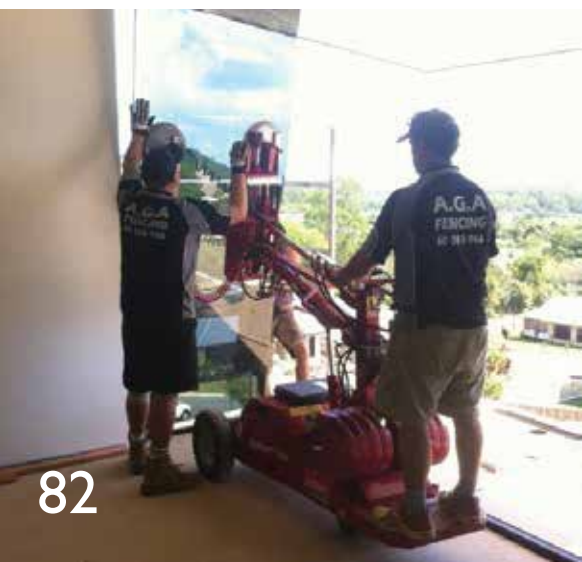
# 350KG MOBILE GLASS LIFTER



Safety is a huge factor when handling heavy material on site especially glass. Using Kennards Hire Lift & Shift's 350kg mobile glass lifter AGA Fencing were able to eliminate the need for heavy lifting and because of the compact size and easy manoeuvrability of this unit, tricky and sometimes awkward panel positioning was achieved safely and on time.

Kennards Hire Lift & Shift is the leading hirer of mobile glass lifting machines, our fleet and range is the most extensive in the industry. We also supply a large range of glass handling options including a large variety of craneable A-frame trolleys and a huge range of lifting gear adaptable for glass installation.

At Kennards Hire Lift & Shift, we offer a solution based service. An important business mandate for us is to lead the industry with the best safety practices and most innovative equipment. We constantly update and add to our range so we can offer the best solution for your job. We are a member of LEEA ensuring our equipment is supplied compliant to the highest safety standards.





# 1000KG VACUUM GLASS LIFTER

What would you use to lift 750kg glass panels? Needing to lift them over the newly built lion enclosure at the Melbourne Zoo for installation in the viewing area, Tech Glass Installations (VIC) chose to use Kennards Hire Lift & Shift's 1000kg twin system 12V vacuum lifting rig.

Not only was this unit capable of handling the heavy load, it also gave the user an extra level of safety as the lifter has a complete back up vacuum system making it the safest 12V lifting rig on the market.

Kennards Hire Lift & Shift has the biggest fleet and largest range of 12V glass lifting rigs in the industry. All units are supplied compliant with the highest safety standards along with expert advice and site inspections when required so you have the best equipment for your job.







# SPECIALISTS IN BIG LIFTING EQUIPMENT

Contact Kennards Hire Lift & Shift for more info about our specialist range of heavy lifting equipment.

To find out more, visit your local Kennards Hire Lift & Shift branch today, or visit our equipment range and hire online.

**AUSTRALIA**

**1300 897 419**

[www.kennards.com.au](http://www.kennards.com.au)

**NEW ZEALAND**

**09 273 3129**

[www.kennardshire.co.nz](http://www.kennardshire.co.nz)

**KENNARDS**  
HIRE





**Equipment for your safety and security when working at height or in confined space.**

<b>CONFINED SPACE</b>	<b>86</b>
<b>HEIGHT SAFETY</b>	<b>88</b>



# CONFINED SPACE & HEIGHT SAFETY

## GAS DETECTOR



Product code 1009090

Capable of monitoring up to four gases simultaneously and continuously. The gases it will detect include: CO, H2S, O2 and combustible gases (LEL's). And can be used for a wide variety of hazardous and confined space applications.

### Features

- Backlit LCD that displays all gases monitored.
- Ultra bright LED visual alarms and a powerful 90dB audible alarm.
- Stores up to 300 hours of survey data.
- Rechargeable lithium-ion batteries provides up to 19 hrs run time.
- Portable Bump test kit available.

## ESCAPE AIR BREATHING RESCUE KIT



Product code 1009095

This is a constant flow unit, with a maximum 15 minutes of oxygen and is used for emergency escape only.

### Features

- Bright orange hood with ozone resistant neck seal.
- Wide visor for enhanced peripheral vision.
- Auto release pin.
- Pressure gauge.
- Warning whistle to advise user when air is getting low.

## SCBA KITS



Product code	1009110
Length	565mm
Width	260mm
Depth	(with 6.8 litre 300 bar cylinder) 245mm
Weight	ACSi 2.5kg (less cylinder)

### Features

- At only 2.15kg the ACSI is the lightest carrying system in its class.
- Flame retardant webbing and cylinder band.
- Both the backplate and harness can be washed with your turnout gear.

## TEMPORARY STATIC LINE



Product code 1009072

An easily deployed line that gives users the benefit of horizontal mobility and total portability. One man and two man lines available.

### Features

- Tensioner.
- 2 round slings.
- 2 karabiners and carry bag.

### Technical

- 20m long x 16mm diameter.

## ROOFERS KIT



**Product code** 1009070

For providing optimum safety when working at heights.

### Features

- Adjustable strapping for comfort and fit.
- Comes in a kit that includes harness, rope adjuster, rope lanyard, shock absorbing lanyard, anchor strap, carry bag, and full user instructions.

### Technical

- 15m rope lanyard.



## ROPE POSITIONING DEVICE



**Product code** 1009705

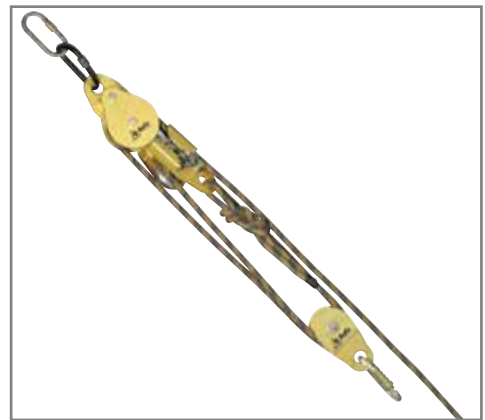
Used as both a primary and secondary device for lowering and raising people.

### Features

- Can be controlled by the person being lowered or by a third party.
- Variable lengths available.
- Can be used with a bosun's chair or specialist safety harnesses.
- Automatic back-up brake.

### Technical

- 4:1 ratio on the mechanical advantage.
- Standard with 50m x 11mm Kermantle rope.



## TRIPOD & RECOVERY SYSTEM



**Product code** 1009030

These units are the latest technology. With the more stringent OH&S requirements on sites these days many customers are needing confined space equipment.

### Features

- These alloy tripods are three stages to 3m and come with a multi functioning winch.
- The winch is both a fall arrestor and a recovery winch for emergency egress.
- Separate man-riding winch available to lower people into confined spaces.
- Recovery winch is not to be used for lowering loads or people.

### Technical

- SWL 200kg.



## DAVIT ARM



**Product code** 1009100

Fixed anchorage point for work winches or rescue systems for entering into confined spaces.

### Features

- Two safety back-up systems.
- Built in fall arrest safety brake indicator.
- Can be mounted on a single bollard or a 'U' type base.

### Technical

- SWL 200kg.





# SAFETY HARNESS



Product code 1009010

Fall Protection Confined Space Recovery.

## Features

- Full body harness with shoulder rings and rear lanyard attaching points.
- Front attachment for belay or work positioning.

# SAFETY LANYARDS (TWIN)



Two legs allows the user to remain connected at all times when moving from one attachment point to another.

# ROOF ANCHOR



Product code	1050128	290090
Type	Spyda Anchor	T Anchor
Rated	22kN	15kN

The roof anchors provide a safe secure anchorage point for metal or non-metal roofing tasks. It is used in conjunction with ropes and harnesses and allows the end user to perform tasks on metal roof situations with both fall arrest and travel restraint.

## SPYDA ANCHOR

### Features

- Clamps on for 'clip fix' type decks or screw fixing for 'pierce fixed' decks.
- Fully adjustable pivot arms with multiple slotted fixing points to suit range of roof deck profiles.

## T ANCHOR

### Features

- Ideal for fast attachment.
- Clips to edge of roof at the gutter line
- Quick and easy to install, ideal for fall arrest.

# SAFETY HARNESS SPREADER



Product code 370523

Used in conjunction with the harness and a recovery system, the spreader allows for people to be lifted via the shoulder straps.

## Features

- Wrist straps to decrease shoulder width and also enhance breathing capacity if unconscious.



# FALL ARRESTOR / INERTIA REELS



Product code	Length	Length x Width x Height (mm)	Kg
1009038	3m	145 x 94 x 83	1.7
	5m	183 x 147 x 69	1.85
1009040	10m	255 x 213 x 101	4.8
1009050	15m	342 x 246 x 101	6.7
	24m	630 x 275 x 110	13.5

Fall protection device for use with static lines or anchors to restrain people when working near edges.

## Features

- Fast reaction of cable lock.
- Inbuilt fall indicator.



# BOSUNS CHAIR



Product code 1009076

Used in conjunction with a harness and rope positioning device or person recovery system, these chairs are ideal for when someone is suspended for an extended period. Full body harness can lead to blood circulation loss.

## Features

- Buckles and straps for person retention.





# DO YOU HAVE A LOT TO MOVE?

## HIRE FROM THE SPECIALISTS.

Contact the Specialists at Kennards Hire Lift & Shift for more info about our specialist range of conveyor equipment.

To find out more, visit your local Kennards Hire Lift & Shift branch today, or visit our equipment range and hire online.

**AUSTRALIA**

**1300 897 419**

[www.kennards.com.au](http://www.kennards.com.au)

**NEW ZEALAND**

**09 273 3129**

[www.kennardshire.co.nz](http://www.kennardshire.co.nz)

**KENNARDS**  
HIRE





**Equipment to guide, crimp, protect and transit cables with ease.**

<b>CABLE WINCHES</b>	<b>92</b>
<b>CABLE JACKS</b>	<b>94</b>
<b>CABLE ROLLERS</b>	<b>95</b>
<b>CABLE PULLING EQUIPMENT</b>	<b>96</b>
<b>CABLE CUTTERS</b>	<b>97</b>
<b>CABLE CRIMPERS</b>	<b>98</b>

**KENNARDS**  
HIRE

## CABLE HAULING &amp; TOOLS

## CAPSTAN WINCH - 6.5 TONNE



Product code	9002534	Line Speed (mpm)	Up to 12m
Length x Width x Height (mm)	1580 x 1086 x 1460	Fuel Tank Capacity	40L
Weight	990kg approx	Oil Reservoir Capacity	45L Oil reservoir c/w return line filter, sight glass & filler port.
Power	Diesel Engine - Water cooled 16.8hp Kohler Diesel Engine		

## Features

- Mine compliant.
- Easily fits into the back of most utilities for transport.
- Forklift pick up accessible from all sides.
- Line haul tension Data Logging and Reporting - fully customised.
- Touch pad adjustment of kN tension setting.
- Operator mesh guard for added safety.
- Lifting / tie down anchor lugs in six places and 4 x anchor foot plates.
- Full colour all in one HMI touch screen + PLC Controller giving on screen access & control.
- Remote foot control with 4 metre shielded cable lead.

## CAPSTAN WINCH - 4.5HP / 9HP / 11HP / 13HP



Product code	1003264	1003266	1003268	9002855
Length x Width x Height (mm)	1010 x 640 x 440	1200 x 750 x 550	1220 x 550 x 595	1300 x 800 x 650
Weight	92kg	130kg	140kg	160kg
Power	4HP Petrol	9HP Petrol	11HP Petrol	13HP key start
Line Speed (mpm)	2.5 - 10	2.5 - 10	5 - 10	5 - 10
Normal line pull	500kg	1500kg	2000kg	2500kg

## Features

- Honda petrol engine.
- For pulling power or datacom cables.
- Air wheels and retractable handle makes this unit easy to move.
- Emergency stop switch.
- Hiab or crane lifting loop.

## CAPSTAN WINCH - OPTIC FIBRE 2KN / 5KN / 10KN / 30KN



Product code	1003254
Length x Width x Height (mm)	2350 x 1440 x 800
Weight	470kg
Power	Petrol
Normal line pull	2kN/5kN/10kN/30kN
Line Speed (mpm)	Variable

## Features

- Compact Skid Mounted design.
- Winch can be ute, truck or trailer mounted.
- Custom trailer designed to offer safe operators zone.
- Tilt and direction adjustable via joy stick or pedal.
- Winch locked to 2kN for Optic fibre hauling, as per Telstra specifications.

## CAPSTAN WINCH - 1500KG / 2500KG



Product code	1003260
Length x Width x Height (mm)	740 x 560 x 340
Weight	60kg
Power	240V
Line Speed (mpm)	2.5 - 4

## Features

- Foot control.
- For pulling power or datacom cables.

## CAPSTAN WINCH - 3600KG



Product code	1003269
Length x Width x Height (mm)	292 x 660 x 215
Weight	90kg
Power	240V
Line Speed (mpm)	2.5 - 5

**Features**

- Foot control.
- Unique floor mounting attachment for quick, reliable set up.
- Leaf-type mounting chains won't twist when tightening.
- Force Gauge included to constantly monitor the pull.



## WINCH - ELECTRIC



Product code	Capacity	Speed	Wire rope	Weight	Length x Width x Height (mm)
9002438	200kg	11-16m/min	5mm x 46m	30kg	413 x 210 x 270
1003270	300kg	12-18m/min	7mm x 38m	44kg	630 x 240 x 300
9002848	400kg	12-18m/min	9mm x 60m	120kg	937 x 367 x 425
1003275	2 Tonne	7-12m/min	16mm x 100m	450kg	110 x 495 x 529

Lifting or pulling loads at any angle. Can be sheaved to increase load.

**Features**

- Pendant controlled, auto braking in the event of a power failure.
- Base can be dyna-bolted or tied into position.
- Variable rope length.



## CABLE HAULING ROPE - LOW CAPACITY



Type	Superdan			Polypropylene (Green with gold fleck)	
Diameter (mm)	12mm	16mm	20mm	16mm	20mm
Breaking Strain	2.7T	4.5T	6.9T	4.5T	6.9T
Strand	3	3	3	3	3
Length	Various from 100m			Various from 100m	

**Features**

- Thimble eye on both ends.
- Supplied on drum for easy handling.



## CABLE HAULING ROPE - HIGH CAPACITY



Type	SK75		Pelican	
Diameter (mm)	16mm	18mm	16mm	20mm
Breaking Strain	24T	28.7T	22.7T	30T
Strand	12	12	12	12
Length	Various from 100m		Various from 100m	

**Features**

- Thimble eye on both ends.
- Low stretch.
- Supplied on drum for easy handling.





## CABLE HAULING &amp; TOOLS

## CABLE JACK - 1T / 2T / 3T



Product code	1002242	1002244	1002246
WLL	1T	2T	3T
Operation	Screw hinge	Screw hinge	Screw hinge
Reel diameter	1000mm	to 1500mm	2000mm
Weight each leg	26kg	35kg	48kg
Braked	No	No	No

## Features

- All models fold down flat for transport and storage.
- Jacks are labelled with rating instructions for use.
- Jacks come with lifting handles and wheels for ease of handling.
- All jacks supplied with hollow spindles.

## CABLE JACK (BRAKED) - 8T



Product code	1002248
Dimensions (mm)	770 x 620 x 1395
WLL	8T
Operation	Hydraulic jack
Reel diameter	to 3000mm
Unit weight	100kg
Braked	Yes

## Features

- Fitted with two hydraulic jacks and top roller assembly.

Note: Maximum drum width 1.8m.

## CABLE JACK (UNBRAKED) - 8T



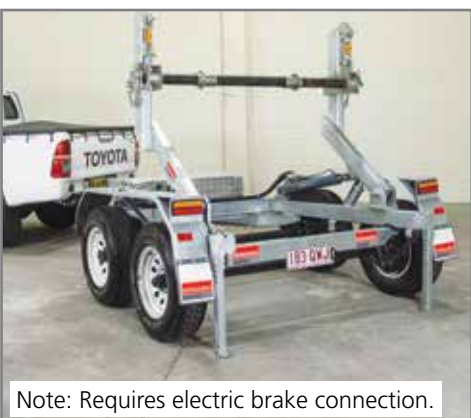
Product code	1002248
Dimensions (mm)	940 x 1635 x 1240
WLL	8T
Operation	Hydraulic jack
Reel diameter	to 3000mm
Unit weight	100kg
Braked	No

## Features

- Fitted with two hydraulic jacks and adjustable roller assembly.

Note: Maximum drum width 1.8m.

## CABLE JINKER - 1000KG / 2000KG



Product code	Available soon	1010950
Load capacity	1T	2T
ATM	3T	3T
Brakes	STD	12" electric drum with breakaway
Battery	12V deep cycle battery powered	12V deep cycle battery powered
Jockey wheel	6" swing up	8" swing up
Lights	LED	LED
Coupling	50mm ball	50mm ball
Size	Single axle	Tandem axle cable jinker

Individual hydraulic controls enables the pick up of cable drums on uneven surfaces. This trailer permits safe, one man handling of cable drums on the worksite on various uneven surfaces.

Note: Requires electric brake connection.

## ROLLER - DOG BONE



Product code	1010755
S.W.L	1000kg

Suitable for pipes and cable sizes to 300mm diameter with a bending radius of 450mm.

### Features

- Base includes retractable handle & mounting holes.



## STANDARD ROLLER



Product code	1010760
S.W.L	500kg

Flanged each end to protect cable from damage.

### Features

- Roller has reinforced wall at each end, nylon self lube bearing and centre out hole.
- Base includes retractable handle and mounting holes.



## 3 ROLLER CURVE



Product code	1010710	1010715	1010720	1010725
Type	3 Roller Curve	3 Roller Curve Standard	3 Roller Curve Standard Long	3 Roller Curve Standard Short

Flanged each end to protect cable from damage.

### Features

- Suitable for cable sizes to 80mm diameter with a bending radius of 900mm.



## SPLIT DUCT ROLLER



Product code	1010785	1010790
Size (mm)	Up to 99	Over 99

Various sizes of split duct rollers designed to reduce friction on cable when exiting conduit.



## CABLE HAULING &amp; TOOLS

## 4 ROLLER CORNER



Product code	1010730	1010735
Type	Dog Bone	Standard

Flanged each end to protect cable from damage.

**Features**

- Suitable for cable sizes to 80mm diameter with a bending radius of 450mm.

## BELLMOUTH / SPLIT DUCT



Product code	1010730	1010735
Type	Dog Bone	Standard

A range of bellmouths designed to reduce friction on cable and damage to conduit.

**Features**

- Permits damage free transit of cables into conduits.

**Technical**

- Various sizes to suit conduit to 200mm.

## AIR BLOW CONES



Product code	1010530	1010540	1010520
Size (mm)	25-50	50-100	50-100

**Features**

- Can be secured against the wall of a pit to blow 3mm or 6mm tape or string.
- Available in various sizes.

## DUCK SNAKES



Product code	1010630	1010630	1010640
Length	100m	100m	200m
ø	6mm	8mm	8mm
Weight	9kg	19kg	31kg

Compact and versatile snake used for pulling back, haul rope or cable directly.

**Features**

- Light continuous fibreglass rod attached on an easy spooling arrangement.



## BRUSHES / SQUEEGEES



Product code	1010550	1010830	1010835
Type	Brushes	Squeegees Less than 99mm	Greater than 99mm

Used to clean rubbish out of ducts and conduits.

**Features**

- Nylon and Nylon/steel combination brushes available.

**Available in**

- Steel wire double end, steel / Nylon double end, nylon hard double end, nylon soft snake brush.



## CABLE SOCKS



Product code	1010570	1010580
Size (mm)	Less than 49mm	Greater than 49mm

Used to attach rope to the cable.

**Features**

- Standard end pull.
- Various sizes available.



## PROVING MADREL

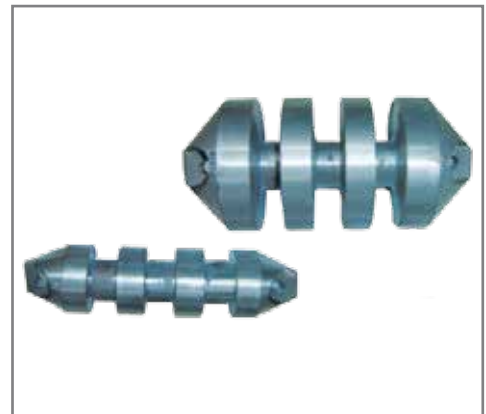


Product code	1010650
Sizes Range From	50-150mm diameter
Length	300mm + 10% diameter ID of conduit

Used to prove conduits before hauling in cables.

**Features**

- Aluminium cast.



## CABLE CUTTER - CORDLESS



Product code	1010900
--------------	---------

Heavy duty cable cutter for nonferrous cables up to 54mm O.D. specifically designed for cutting the toughest copper and aluminium cables in a limited amount of space.

**Features**

- Equipped with a circuit breaker for overloading protection.
- Powerful gear reduction motor.



## CABLE HAULING &amp; TOOLS

## CABLE CUTTER - HYDRAULIC 100MM



Product code	1011310
--------------	---------

Used for cutting various types of sheathed cable in seconds without jamming.

**Features**

- Fast cutting with remote operation.
- Can be operated with any hydraulic pump with rated oil pressure of 700 bar.
- Lock pin type cutter head.
- Blades easily replaceable.

**Technical**

- Max input pressure (bar): 700.
- Oil volume required (cc) :140.
- Length: 590mm.
- Weight: 13.2kg.
- Cu strands: 42mm.
- Au strands: 46mm.
- CCP cable\*:100mm.

\*Various telecommunication cable types including AP, SS-D, HS, CCP-F

## CRIMPER - CORDLESS 12 TONNE



Product code	1010905
Length x Width x Height (mm)	440 x 90 x 275
Weight	8.5kg

Largest jaw opening of all battery operated 12 tonne compression tools with a 42mm opening. Accepts midspan copper and aluminium sleeves and cables up to 750 KCM.

**Features**

- Self contained and compact.
- The number of crimps per charge for maximum size conductor is 55 crimps / BP- 70MH.
- Circuit breaker for overloading.

## CRIMPER HYDRAULIC 25 TONNE



Product code	1010908
--------------	---------

For installing compression sleeves and terminals.

**Features**

- Unique twist - lock die retaining pin.
- Adaptor die to suit 12 tonne shell type dies.
- Operates in any position.

**Technical**

- Weight = 6.8kg.

## CRIMPER HYDRAULIC 60 TONNE



Product code	1010910
Height (mm)	450
Ø	146mm
Weight	32kg

Accepts existing 60 tonne U-Type dies. Compression head designed as a portable tool for installing compression sleeves and terminals for transmission construction and maintenance work.

**Features**

- Operates in any position.
- Gives 540kN of working force to accept commercial cabling.
- Compression joints used for transmission construction.
- Portable & lightweight.

## CONDUIT BLOWER



## Blowing Kit



## Roping Gun



Product name	Blowing Kit
Length x Width x Height (mm)	420 x 50 x 190
Weight	22kg
Power	240V (3 stage)

Roping Gun	
Length x Width x Height (mm)	420 x 50 x 190
Weight	6kg
Compressor	75cfm - 265 cfm

## Blowing Kit Features

- Up to 1000m of unoccupied conduit.
- 3.5 cubic metres of air / min / motor.
- Conduit range: 32mm - 150mm.

## Roping Gun Features

- Conduit range: 50mm - 150mm.
- Various grommets available.

## CRIMPER - HYDRUALIC 100 TONNE



Product code	1010915
Width x Height (mm)	200 x 350
Ram stroke	22mm
Oil Volume required	314 cc
Output Force	980 kN
Weight	32kg

## Features

- Light weight.
- Removable die cap for easy connector positioning.
- Simple design for easy maintenance.
- Double acting hydraulic pump required.
- HPE-4, HPE-4M or PGHM5042.
- Engine driven hydraulic pumps are recommended to operate the EP100W.



## CABLE PULL JET BLOWER KIT



Product code	9002899
Model	B3000K
Power Source	240V, 10A
Suits conduit sizes	32-150mm

## Features

- Three stage 240V, 10A Electric blowing system.
- Lightweight & compact, allowing unit to be hand carried to the work area.
- One person operation.
- Extra long 5 metre blower hose.
- Two size seal-offs for conduit 32-63mm & for the larger 63-150mm diameters.





CABLE CRIMPING DIES

Crimper Tonnage	Material	A/F (across flat)	Length of crimp face	Conductor Details mm <sup>2</sup>
12T	Aluminium (Al)	9mm	22mm	9.25mm <sup>2</sup>
12T	Aluminium (Al)	13.2mm	22mm	50 - 70mm <sup>2</sup>
12T	Aluminium (Al)	17.3mm	9mm	35 - 70mm <sup>2</sup>
12T	Aluminium (Al)	17.3mm	22mm	95 - 120mm <sup>2</sup>
12T	Aluminium (Al)	22mm	18mm	150 - 185mm <sup>2</sup>
12T	Aluminium (Al)	28.4mm	18mm	240 - 300mm <sup>2</sup>
12T	Copper (Cu)	7.7mm	17.5mm	25mm <sup>2</sup>
12T	Copper (Cu)	9.2mm	17.5mm	35mm <sup>2</sup>
12T	Copper (Cu)	10.4mm	17.5mm	50mm <sup>2</sup>
12T	Copper (Cu)	11.5mm	17.5mm	70mm <sup>2</sup>
12T	Copper (Cu)	16.5mm	14mm	120mm <sup>2</sup>
12T	Copper (Cu)	20mm	14mm	185mm <sup>2</sup>
12T	Copper (Cu)	26mm	10mm	300mm <sup>2</sup>
12T	Copper (Cu)	28.1mm	8mm	400mm <sup>2</sup>
25T	Aluminium (Al)	39mm	25mm	400 - 500mm <sup>2</sup>
25T	Copper (Cu)	18.3mm	16mm	150mm <sup>2</sup>
25T	Copper (Cu)	20mm	16mm	185mm <sup>2</sup>
25T	Copper (Cu)	23.1mm	16mm	240mm <sup>2</sup>
25T	Copper (Cu)	28.1mm	16mm	400mm <sup>2</sup>
25T	Copper (Cu)	37mm	11mm	630mm <sup>2</sup>
60T	Aluminium (Al)	28.3mm	50mm	240 - 300mm <sup>2</sup>
60T	Aluminium (Al)	39mm	50mm	400 - 500mm <sup>2</sup>
60T	Aluminium (Al)	43.2mm	50mm	630mm <sup>2</sup>
60T	Aluminium (Al)	52.5mm	40mm	800 - 1000mm <sup>2</sup>
60T	Copper (Cu)	23.1mm	25mm	240mm <sup>2</sup>
60T	Copper (Cu)	26mm	25mm	300mm <sup>2</sup>
60T	Copper (Cu)	28.1mm	25mm	400mm <sup>2</sup>
60T	Copper (Cu)	31mm	25mm	500mm <sup>2</sup>
60T	Copper (Cu)	37mm	25mm	630mm <sup>2</sup>
60T	Copper (Cu)	43.2mm	25mm	800mm <sup>2</sup>
60T	Copper (Cu)	48mm	25mm	1000mm <sup>2</sup>
100T	Copper (Cu)	37mm	25mm	630mm <sup>2</sup>
100T	Copper (Cu)	43.2mm	25mm	800mm <sup>2</sup>
100T	Copper (Cu)	48mm	25mm	1000mm <sup>2</sup>

Other sizes are available on request.

## CABLE HAULING CALCULATOR

Reduce friction wherever possible. Do not exceed maximum allowable cable tension.

### CALCULATING THE LINE TENSION AND SIZE OF WINCH NEEDED

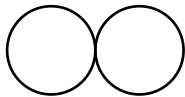
What is the diameter of the cable? 95mm<sup>2</sup> XLPE (Cross linked polyethelene insulated)  
 How many cables are being pulled? 4  
 What is the length of the haul? 150 metres  
 Is the conduit in a straight line? 1 x 90 bend and 2 x 45 bends  
 Is the conduit occupied? No

CALCULATIONS	
Weight per metre of single cable	0.99kg/metre
Total weight	4 x 150 x 0.99 = 594kg
Friction due to bends	1 x 90 (add 50%), 2 x 45 (add 25% for each)
Line tension =	594 + 50% (1 x 90 bend) + 2 x 25% (2 x 45 bends) =
	(594 + 297) = 891 + 445 = 1336kg (approx. line haul needed)
Winch needed	9 HP petrol or 2500kg electric.

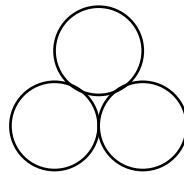
### CALCULATING SOCK / STOCKING SIZE

Single cable pull  
 Calculate the OD of 1 cable eg. 1 x 95mm<sup>2</sup> = 17.5mm OD  
 A 20mm cable sock is needed

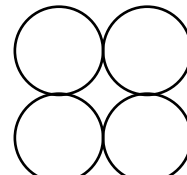
### MULTIPLE CABLE PULL



For 2 cables multiply  
single cable OD by 1.8.



For 3 x cables, multiply  
single cable OD x 2

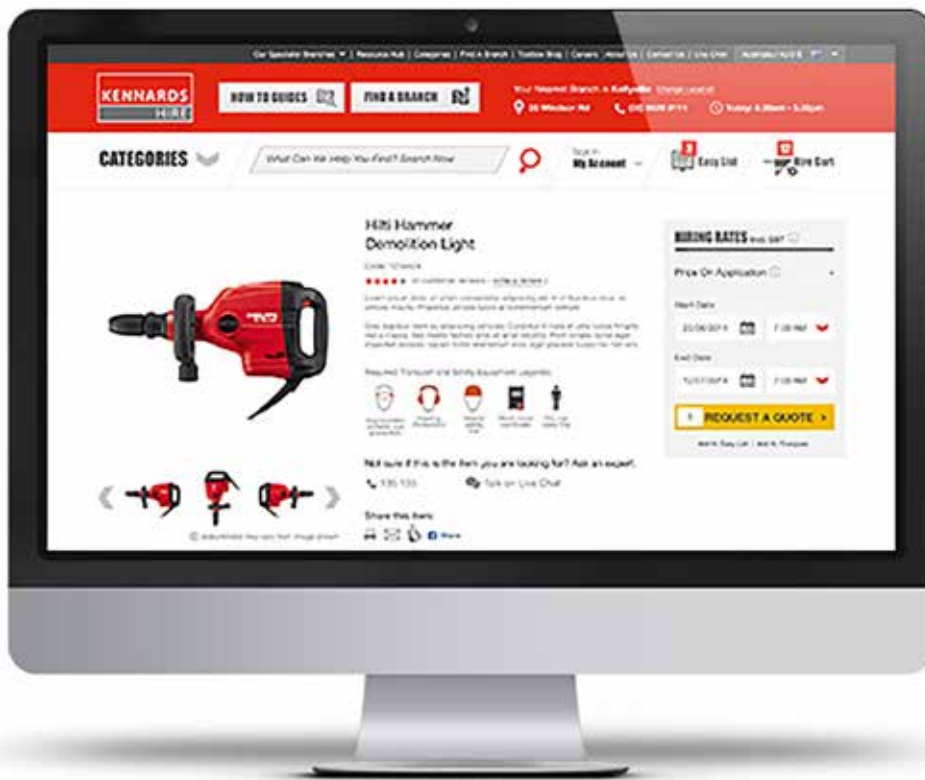


For 4 x cables, multiply  
single cable OD by 2.5

#### XLPE (CROSS LINKED POLYETHELENE INSULATED CABLE) CHART

Nominal area mm <sup>2</sup>	Nominal overall diameter	kg/metre
16	9.6mm	0.2
25	11.2mm	0.33
35	12.2mm	0.41
50	13.6mm	0.54
70	15.6mm	0.75
95	17.5mm	0.99
120	19.1mm	1.3
150	21.1mm	1.6
185	23.3mm	1.9
240	26.1mm	2.5
300	28.5mm	3.1
400	31.7mm	3.9
500	35.4mm	5
630	39.9mm	6.4

# HIRE EQUIPMENT ONLINE... EASY.



Browse from our entire Kennards inventory with hundreds of tools at your fingertips.



Order for either pick-up or delivery from any of our branches.



Select the time-frame you'd like and we'll make sure we've got it handy for when you need it.

Browse, select and book all the tools for the job from your computer, tablet or smart-phone. From pick up to delivery, we've got you covered.

- A branch at your fingertips
- Pay invoices online
- Available 24/7
- Live web chat

Visit us now at [kennards.com.au](http://kennards.com.au)





**Equipment for bridging gaps, levelling loading docks and loading machinery from group up.**

**RAMPS**

**104**

**KENNARDS**  
HIRE

## CONTAINER RAMPS



Product code	310022
Length x Width (mm)	2000 x 2000 x
Fork Pocket Size	165 x 60mm
Fork Pocket Center	775mm
S.W.L	6500kg
Weight	275kg

Designed for bridging into standard containers from ground level.

**Features**

- Self-leveling lip allows for full load capacity when on slightly uneven ground.
- Ramp footing folds up to allow access to the fork slippers for transport.

## BOBCAT RAMPS



Product code	1008140	1008143	1008145
Length x Width (mm)	2880 x 385	3450 x 450	3450 x 595
Weight	3t	4.8t	7.5t

Loading bobcats & excavators.

**Features**

- Aluminium ramps.
- Available in 3 sizes.

## WHEELBARROW RAMPS / FURNITURE RAMPS



Product code	310020
--------------	--------

Loading and unloading small retaining walls, trailers, tipping trucks and skip bins.

**Features**

- Wide easy access.

**Technical**

- Safe working load: 500kg.
- Available in two sizes: 2500mm & 3500mm.



**Equipment to help you lift it, shift it or move it with ease.**

**GENERAL LIFTING**

**106**

**KENNARDS**  
HIRE



## GENERAL LIFTING

## WHEELIE BIN LIFTER



Product code	1006690
Lifts up to	150kg
Tips into	1500mm high bin
Weight	110kg

Designed to lift and tip 120L and 250L wheelie bins directly into a truck or skip. Manual model available.

**Features**

- Adjustable height.
- Pendant control allow user to be clear of tipped debris.
- 240V electric hydraulic and manual available.
- Lockable castors.

## MAGNETIC LIFTER



Product code	1006600	1006610
Model	BML-060	BML-100
Horizontal Value	600kg	1t
Vertical	200kg	300kg
Cylindrical	200kg	300kg

This portable gadget is capable of magnetically holding up to 1000kg, which can be attached to a crane. Lifts all flat ferrous material.

**Features**

- Portable.
- Hook lifting.
- Permanent magnet so not prone to power failures.

**Technical**

- Weight = 54kg.

## LIFTING KEYS SHORT



Product code	1006400
--------------	---------

For lifting manhole covers.

**Features**

- Threaded collar and base-mounting holes enable easy securing.

## LIFT KEYS LONG



Product code	1006400
--------------	---------

For lifting manhole covers.

LIFTING CLUTCH - PANEL EDGES

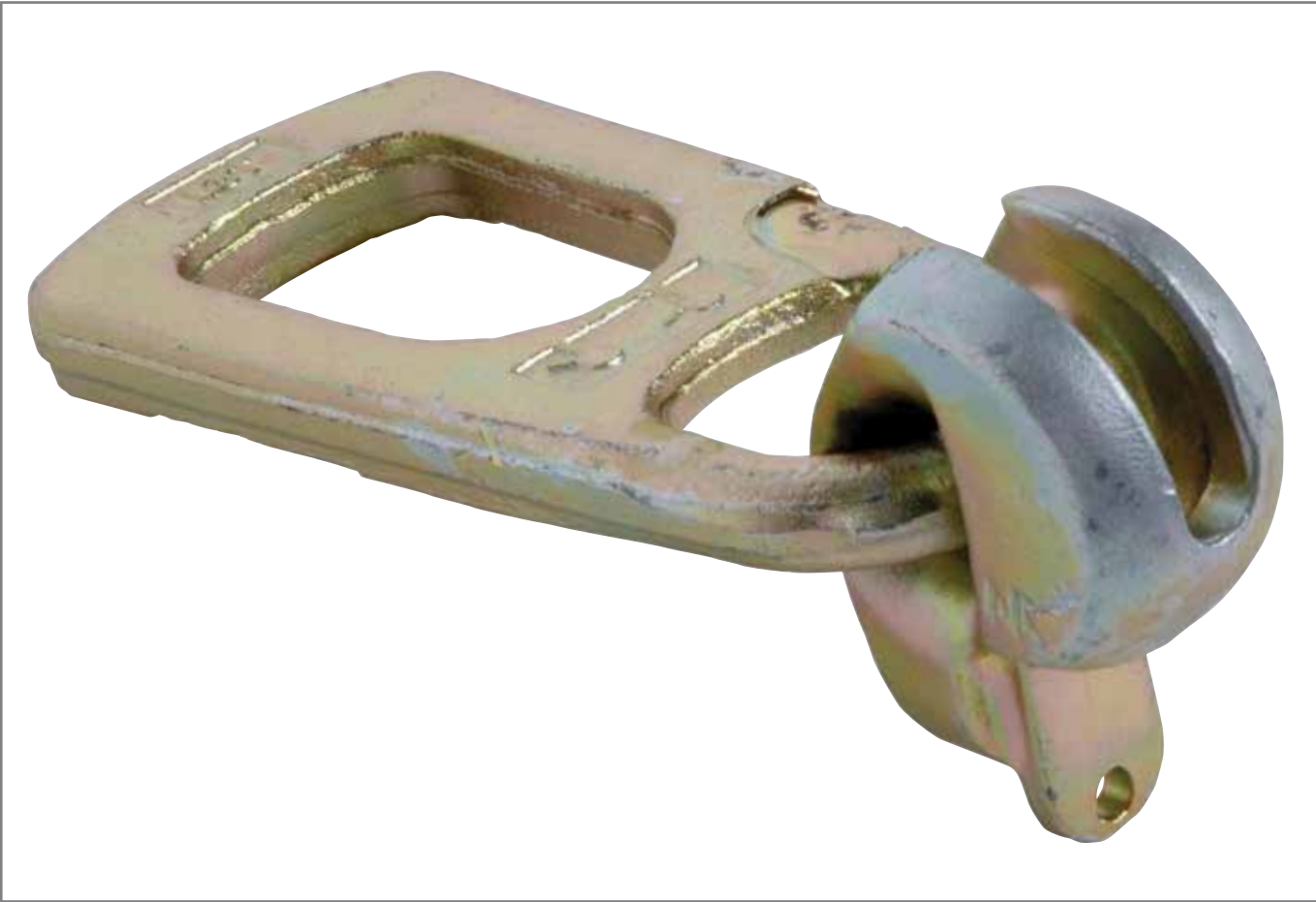


Product code	Size	Pin size	WLL
9002817	2.5T	1.58kg	2.5T
9002818	5T	3.58kg	5T
9002825	10T	9kg	10T

Edge lifting clutches are used for erection and work on prefabricated concrete panels working with propriety anchor systems.



LIFTING CLUTCH - SWIFT LIFTS



Product code	Size	Pin size	WLL
1006650	1.3T	10mm	1.3T
1006655	2.5T	14mm	205T
9002244	3T		3T
1006660	5T	20mm	5T
1006665	10T	28mm	10T
1006667	20T	39mm	20T
1006669	32T	50mm	32T

Used for lifting prefabricated concrete products (pits, lids, etc) that have a specific precast pin embedded. Weight specific tool for lifting concrete drainage pits.

Features

- Available in various capacities to suit all pin sizes.



# LIFT AND MOVE YOUR GLASS JOBS WITH PRECISION THE FIRST TIME.

Contact Kennards Hire Lift & Shift for more info about our specialist range of glass lifting equipment.

To find out more, visit your local Kennards Hire Lift & Shift branch today, or visit our equipment range and hire online.

**AUSTRALIA**

**1300 897 419**

[www.kennards.com.au](http://www.kennards.com.au)

**NEW ZEALAND**

**09 273 3129**

[www.kennardshire.co.nz](http://www.kennardshire.co.nz)

**KENNARDS**  
HIRE





**Equipment for neat and efficient transfer of debris and rubble.**

**RUBBISH CHUTES**

**110**

**KENNARDS**  
HIRE



Product code

1005819

Simple and effective way of moving materials from the top to the bottom.

### Features

- Brackets available for hooking on to parapets or scaffolding.
- Strong, lightweight polypropylene helps minimise noise.

### Technical

- Weight of each section is 12kg.
- Height 1100mm allows for a 100mm overlap.
- Top diameter (internal) 500mm.
- Bottom diameter (internal) 400mm.
- Needs a minimum of 900mm window width when using parapet brackets.



**Equipment to suspend, support or move a load.**

<b>GIRDER TROLLEYS</b>	<b>112</b>
<b>CLAMPS</b>	<b>112</b>
<b>SHEAVES</b>	<b>113</b>



## RIGGING ACCESSORIES

## GIRDER TROLLEYS



Allows attachment and/or travel along a universal beam. Used primarily with chain hoists.

**Features**

- Quick adjustment and fitting for up to 3000kg units.
- Larger units available with bolt and washer design.
- Can come with gears for controlled travels.

**Technical**

- SWL up to 30T.

## GIRDER CLAMPS



Allows attachment to a universal beam. Used primarily with chain hoists. Used to pick up universal beams for centred loads.

**Features**

- Quick adjustment and fitting for up to 10000kg units.

## GIRDER TROLLEY GEARED



Allows attachment and/or travel along a universal beam. Used primarily with chain hoists.

**Features**

- Comes with gears for controlled travel.
- In capacities up to 20T.

## PLATE CLAMPS HORIZONTAL &amp; VERTICAL



Max Steel hardness = 37RC (345HB)

Product code	1006312	1006314	1006306
Length x Width (mm)	Horizontal	Horizontal	Vertical
S.W.L	2000kg	3000kg	5000kg
Jaw opening	0 - 50mm	0 - 50mm	0 - 50mm

Lifting metal plates.

**Features**

- Horizontal lifting.

## PLATE CLAMPS UNIVERSAL



Product code	1006300	1006302
Type	Universal	Universal
Jaw opening	0-25mm	0-33mm
S.W.L	2000kg	3000kg

Lifting metal plates.

### Features

- Universal eye for vertical or horizontal.



## RAIL CLAMP



Product code	1006320
S.W.L	2000kg
Weight	14kg

For lifting railway track.

### Features

- Mechanical scissor action for fast and secure connection.



## PIPE & GROUND CLAMPS



Product code	1004930
--------------	---------

For easy handling and lifting of pipes or round bar.

### Features

- Lifting capacity to 3000kg.



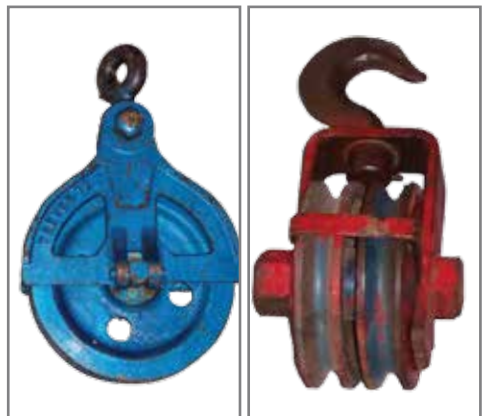
## SNATCH BLOCKS & SHEAVE BLOCKS

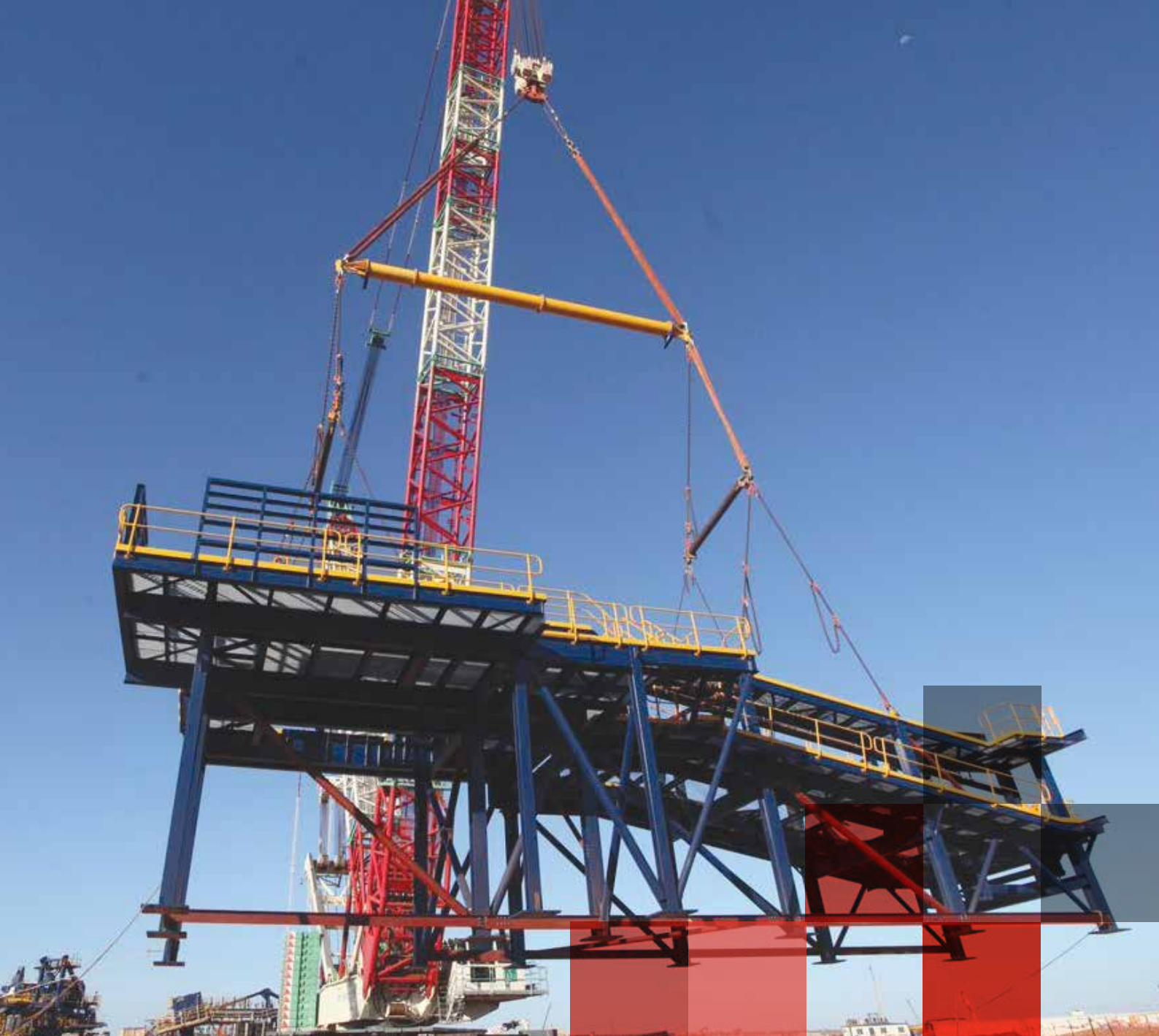


For manually lifting light loads, or as a pulley system to reduce the effort.

### Features

- Lifting capacity from 1 – 32T.
- Single, double & triple available.





# SPECIALISTS IN BIG LIFTING EQUIPMENT

Contact Kennards Hire Lift & Shift for more info about our specialist range of heavy lifting equipment.

To find out more, visit your local Kennards Hire Lift & Shift branch today, or visit our equipment range and hire online.

**AUSTRALIA**

**1300 897 419**

[www.kennards.com.au](http://www.kennards.com.au)

**NEW ZEALAND**

**09 273 3129**

[www.kennardshire.co.nz](http://www.kennardshire.co.nz)

**KENNARDS**  
HIRE





**Equipment and fitting to tackle, rig, anchor and choke-lift large loads.**

<b>SLINGS</b>	<b>116</b>
<b>SHACKLES</b>	<b>116</b>
<b>GENERAL</b>	<b>116</b>

**KENNARDS**  
HIRE

## RIGGING HARDWARE

## CHAIN SLINGS



Tonnage	Length 1.00m	Length 2.00m	Length 3.00m	Length 4.00m	Length 5.00m	Length 6.00m
6.00T	Chain 2 LEG 1m 6-10mm	Chain 2 LEG 2m 6-10mm	Chain 2 LEG 3m 6-10mm	Chain 2 LEG 4m 6-10mm	Chain 2 LEG 5m 6-10mm	Chain 2 LEG 6m PLUS 6-10mm
	Chain 4 LEG 1m 6-10mm	Chain 4 LEG 2m 6-10mm	Chain 4 LEG 3m 6-10mm	Chain 4 LEG 4m 6-10mm	Chain 4 LEG 5m 6-10mm	Chain 4 LEG 6m PLUS 6-10mm
13.00T	Chain 2 LEG 1m 13-16mm	Chain 2 LEG 2m 13-16mm	Chain 2 LEG 3m 13-16mm	Chain 2 LEG 4m 13-16mm	Chain 2 LEG 5m 13-16mm	Chain 2 LEG 6m PLUS 13-16mm
	Chain 4 LEG 1m 13-16mm	Chain 4 LEG 2m 13-16mm	Chain 4 LEG 3m 13-16mm	Chain 4 LEG 4m 13-16mm	Chain 4 LEG 5m 13-16mm	Chain 4 LEG 6m PLUS 13-16mm

Kennards Lift & Shift carry a wide range of chain slings. We carry 2, 4 and 6 way chain slings with a multitude of end configurations and lengths available.

## WIRE ROPE SLINGS



General hook lifting applications.

**Features**

- Various sizes and lengths available.
- All currently tagged and certified.

## NYLON SLINGS



A comprehensive range of flat and round slings are carried. Standard sizes are from 1m to 30m effective length, and from 500kg to 80,000kg (80 tonnes). Special slings can be made to order. Protective sleeving is available to avoid abrasion.

**FLAT SLINGS**

Hook lifting loads.

**Features**

- Eyes at either end.
- Various sizes and lengths available.
- All currently tagged and certified.

**ROUND SLINGS**

Accommodating for many lifting situations.

**Features**

- Endless, flexible, colour coded.
- Easy to reeve / choke, double wrap.
- Various sizes and lengths available.
- All currently tagged and certified.

## SHACKLES



'D' Shackles and Bow Shackles from 0.5 tonne to 150 tonne.



**Equipment that takes the guesswork out of load measurement.**

<b>LOAD TESTING</b>	<b>118</b>
<b>LOAD MEASURING</b>	<b>118</b>



## LOAD MEASURING, TESTING &amp; CERTIFICATION

## TEST WEIGHTS



Product code	1007010	1007020
Description	Stillages	Mass Weight
Length x Width x Height (mm)	640 x 480 x 345	
Weight	200kg	1000kg

Load testing various loads or acting as a counterweight.

**Features**

- Sets of 9 test weights per stillage plus 1 stillage, all at 20kg each.
- Accuracy of +/- 0.25% (1 in 400).
- Stillages stack on top of each other for larger loads.
- Stillage can be manouvered on site easily with a pallet truck.

**Technical**

- Also available in individual 500kg and 1000kg weights.

## DIGITAL LOAD INDICATORS



Product code	S.W.L	Graduation	Accuracy	Weight
1007200	100kg	0.5kg	0.1% of capacity	0.5 kg
1007210	1000kg	1kg	0.1% of capacity	1kg
1007217	5000kg	10kg	0.1% of capacity	1.8kg
1007220	6400kg	10kg	0.1% of capacity	2.5kg
1007226	10 ton	10kg	0.1% of capacity	5kg
1007230	12 ton	10kg	0.1% of capacity	21kg
1007240	50 ton	10kg	0.1% of capacity	17kg
1007250	100 ton	20kg	0.3% of capacity	32kg

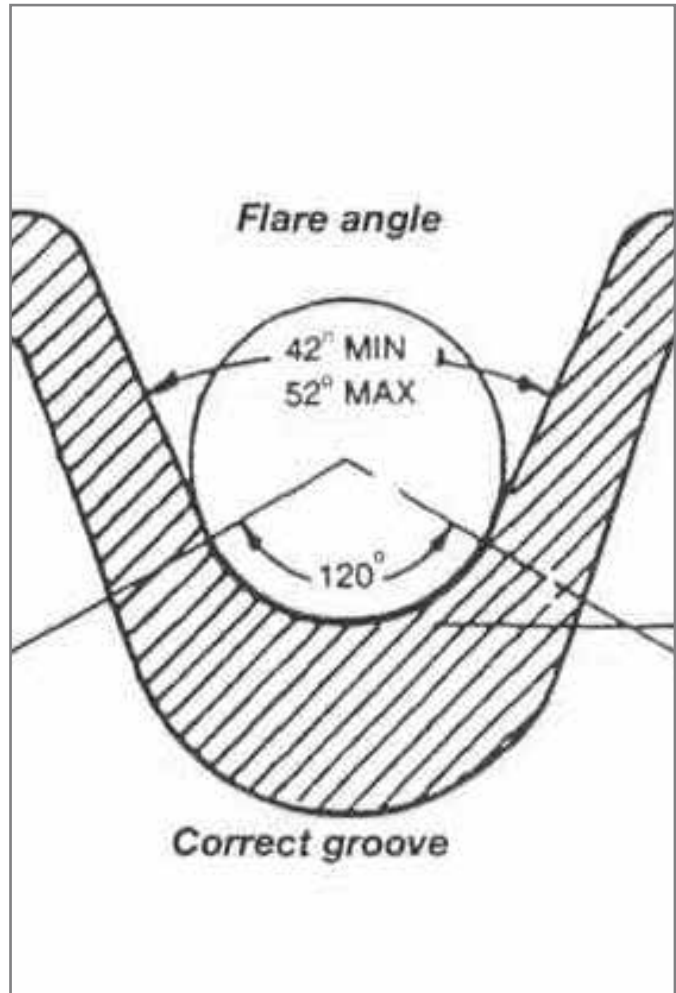
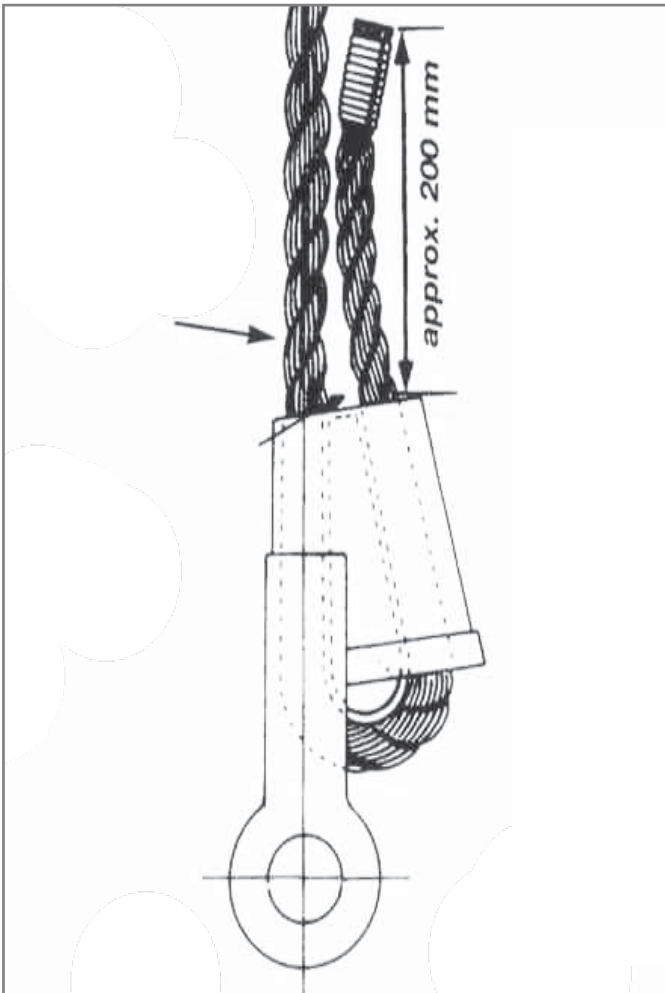
Measuring applied loads for accuracy and safety purposes.

**Features**

- Automatic self checking at a high accuracy.
- Also capable of measuring tare weight only.
- Radio transmitter available.

**Technical**

- Various capacities and accuracies available.
- Tension and compression models available.



**Your handy 'how to' guide for rigging, eye bolts, wire rope grips and slings.**

TECHNICAL INFORMATION

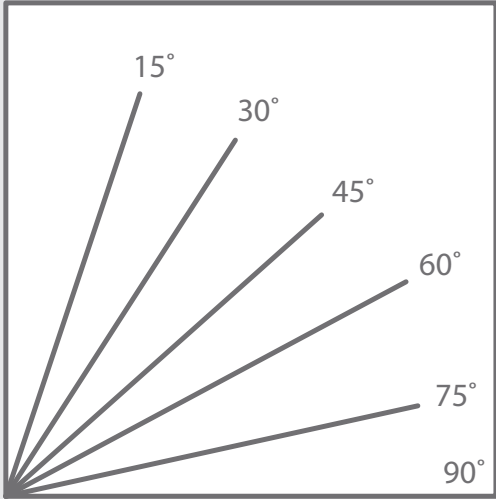
120



# TECHNICAL INFORMATION

## LOAD OVERHANG TABLE

This chart gives a general guide in determining how many vacuum cups are required to handle glass sheets. It is essential that the lifter you select not only has enough lifting capacity, but also has enough pads to adequately support the sheet.

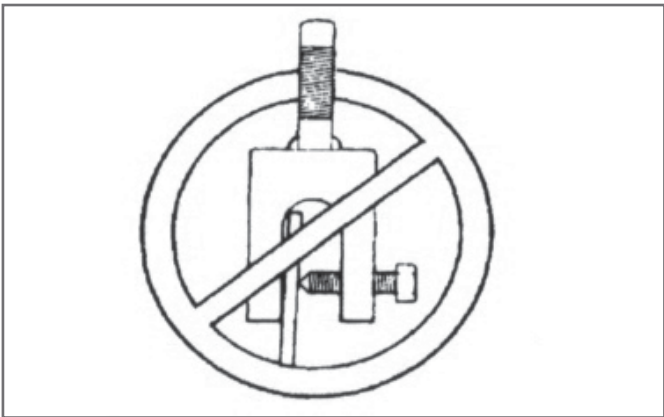


Glass Thickness mm	Allowable Overhang 90°	Allowable Overhang 60°	Allowable Overhang 45°	Allowable Overhang 30°
3	550	650	750	1100
4	600	700	850	1200
5	650	750	900	1300
6	700	800	1000	1400
8	750	850	1100	1500
10	800	950	1200	1600
12	900	1050	1300	1800
15	1000	1150	1400	2000
19	1100	1200	1500	2200
22	1150	1300	1600	2300
25	1200	1400	1700	2400

Warning:  
This chart in no way guarantees that whatever the relationship is within limits indicated on the above chart, the chance of glass breakage is significantly decreased.

Unpredictable factors such as edge damage, glass flaws, rough handling, contaminants on the glass or pads, or any number of other unpredictable circumstances will result in glass breakage.

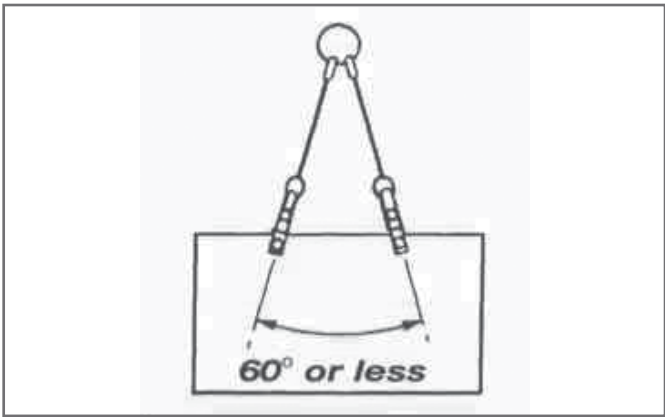
## HANDLING STEEL PLATE



Steel plate can be lifted with:

- Plate clamps that are designed to increase the purchase on the plate as the plate is lifted.

Do not use home made type plate clamps or plate dogs.

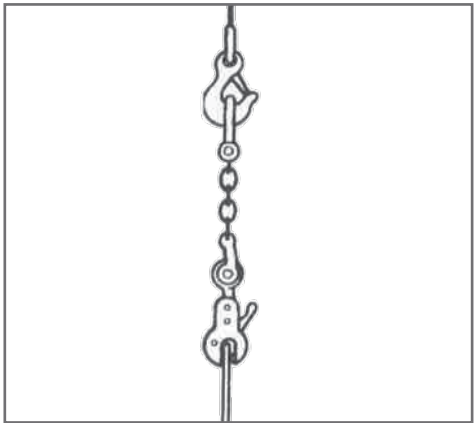


Use a spreader beam if the angle between the two legs is likely to be more than 60°.

Steel plate can be lifted vertically or horizontally.

Always use a spreader beam for lifting steel plate if the angle between two slings exceeds 60°.

## LIFTING VERTICALLY



- Use a plate clamp where a sling cannot be attached and there is no lifting hole. An example is the dished and flanged end plate for pressure vessel.
- It can be difficult to remove or attach a sling where plate is stored vertically in a rack or is to be fed into bending rolls.
- As a plate touches the ground and the tension is released from the sling a single hook can come out of the hole and cause the plate to fall. To prevent this, lift with a hook that has been put through a ring attached to short length of chain that is shackled to a plate clamp.
- Always make sure that the tension remains in the slings until the plate is in place.

Correct set-up for lifting steel plate vertically.

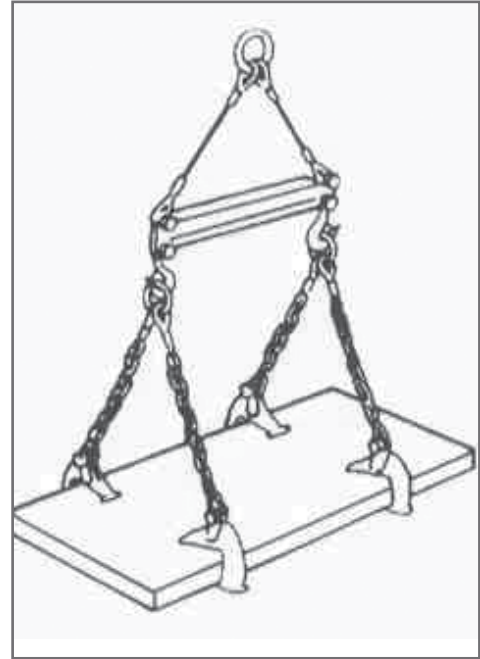


## LIFTING HORIZONTALLY

It is recommended that a minimum of four plate clamps and spreader beam are used for lifting steel plate horizontally. For horizontal lifts use appropriate plate clamps. Use a spreader beam for long thin plates to prevent dangerous flapping, sagging and vibration.

## SHEAVES

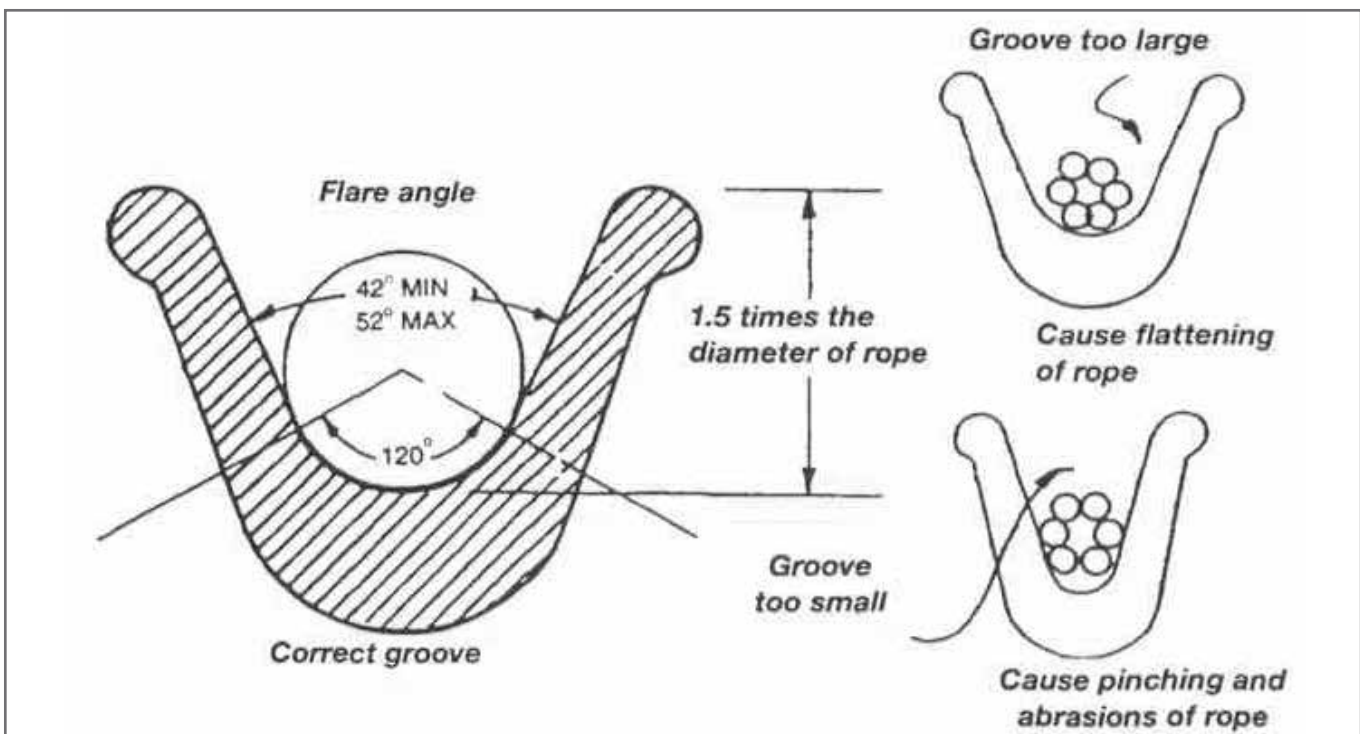
Sheaves lead the rope over the head of cranes and hoists and are used in pulley systems to gain a mechanical advantage.



Make sure that the angle between slings when lifting steel plate is 60° or less

## FLARE ANGLE AND GROOVE DEPTH

The groove depth of a sheave should not be less than 1.5 times the rope diameter. However if the rope is positively prevented from leaving the groove the minimum depth of the groove can be equal to the rope diameter.

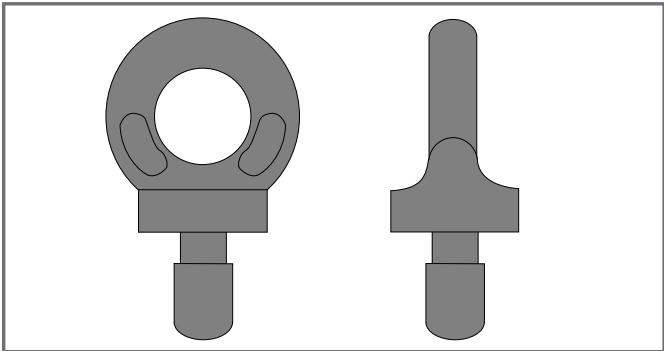


The sheave groove sides should have a flare angle of a minimum of 42° and a maximum of 52°.

The grooves should be slightly larger than the nominal diameter of the rope. Grooves which are too large will flatten the rope. Grooves that are too small will pinch the rope and the extra friction can abrade it.

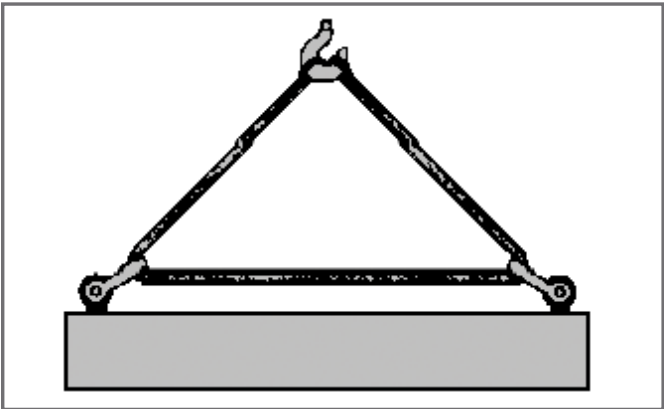
# TECHNICAL INFORMATION

## TYPES OF EYEBOLT

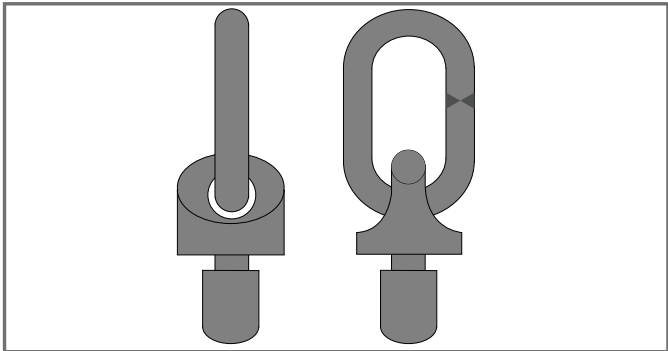


### COLLAR EYEBOLTS

Collar Eyebolts may be used up to the marked safe working load (SWL) for axial ie. vertical lifting only. Collar eyebolts may be used for non-axial loading provided that the SWL is reduced by the appropriate factor.

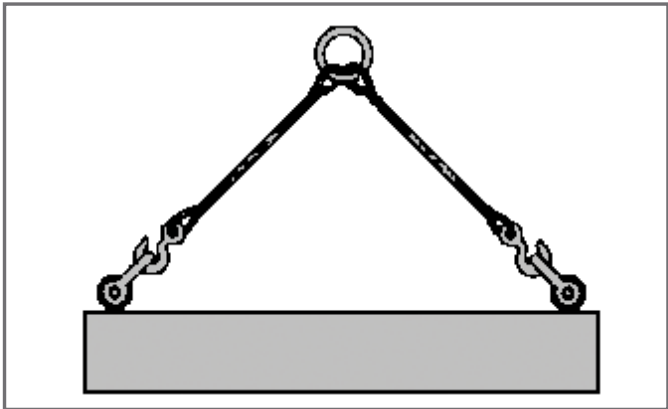


**Incorrect method**  
of fitting pairs of collar eyebolts, eyebolts with link, and Swivel Hoist Rings.



### EYEBOLTS WITH LINK

Eyebolts with link offer considerable advantages over collar eyebolts when loading need to be applied at the axis and/or the plane of the eye.



**Correct method**  
fitting pairs of collar eyebolts, eyebolts with link, and Swivel Hoist Rings.

## TYPES OF EYEBOLT

Eyebolt with link-suitable for all general purpose applications. Collar eyebolt – suitable for most general duties (A collar eyebolt fitted with a link is not the same as an eyebolt with link and must not be treated as such.) Dynamo eyebolt- suitable only where a truly axial load is guaranteed.

### CAPACITY

When used at an angle or in pairs it is necessary to reduce the SWL by the factors given in the table on the right.

### USING EYEBOLTS SAFETY

- Tighten the eyebolt down firmly by hand. The collar must sit evenly on the contact surface. Do not use tommy bars, grips or wrenches to tighten eyebolts.
- With collar eyebolts used in pairs, the eyes must be in the correct plane. Use shims but do not machine the collar or over tighten.
- Never reeve a sling through the eyes, links or shackles fitted to eyebolts used in pairs as this will impose a severe resultant force onto the eyebolts.
- When using eyebolts with multi-leg slings use eyebolts with links or collar eyebolts taking care to derate them for angular loading.
- Where a single eyebolt is used, use a swivel or swivel hook to prevent the eyebolt unscrewing if the load rotates.

Loads can spin when lifted with a single eyebolt, causing the eyebolt to unscrew from the load. Mouse the eyebolt to the load to stop unscrewing.

Eyebolts are often put on large motors or similar to lift the casing off. It can be dangerous to lift loads with the eyebolts that are provided on the load. If no information is provided about an eyebolt sling the load with slings.

### ANGLE FACTORS

Maximum load to be lifted = angle factor x SWL for a pair of eyebolts

Type of eyebolt	Included angle x between the slinglegs		
	0 < x < 30°	30° < x < 60°	60° < x < 90°
Eyebolt with link	1.0	0.8	0.63
Collar eyebolt	0.63	0.4	0.25

## WEDGE ROPE SOCKETS

There are many dangers associated with wedge type sockets and riggers should ensure that they are set up correctly.

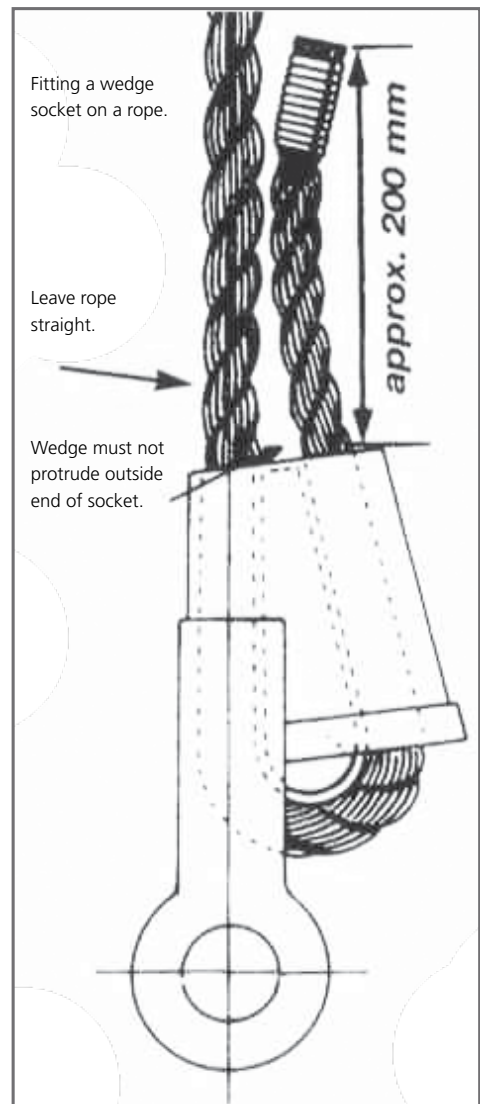
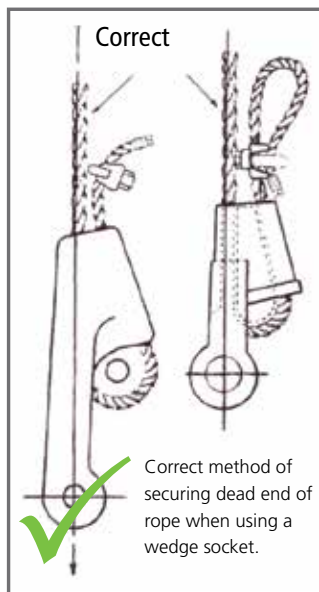
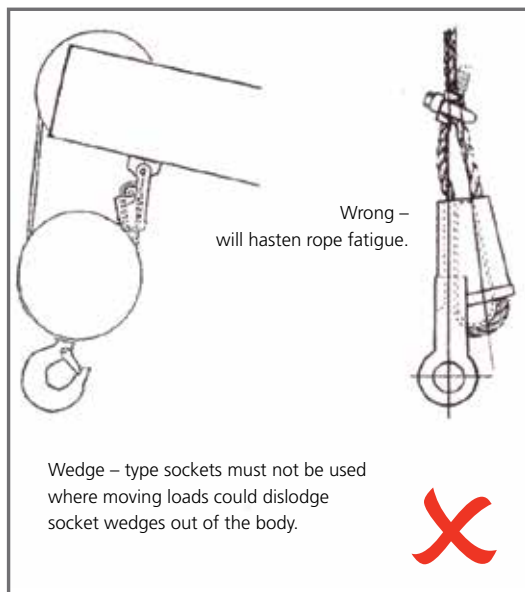
The rope diameter must be equal to the diameter inside the socket, and when the wedge is pulled tight the wedge must not protrude beyond the socket body.

The hoist rope must be reeved into the socket body so that there is a straight line between the live rope and the anchorage.

If the rope is reeved in the opposite direction so that the live end is on the sloping side of the wedge, the wire will fail at the point where the rope enters the socket.

Do not place rope grips (bulldog clips) across both live rope and the dead end because it can lead to severe damage to the hoist wire.

Wedge rope sockets may be used when spliced eyes are difficult to reeve or they would have to be made after the rope is in place.



The advantages of using wedge rope sockets as anchorages are simplicity, ease and speed of applying and detaching, and that they do not damage the rope to any appreciable extent.

Do not set up wedge sockets where a block being raised can hit and dislodge the wedge.

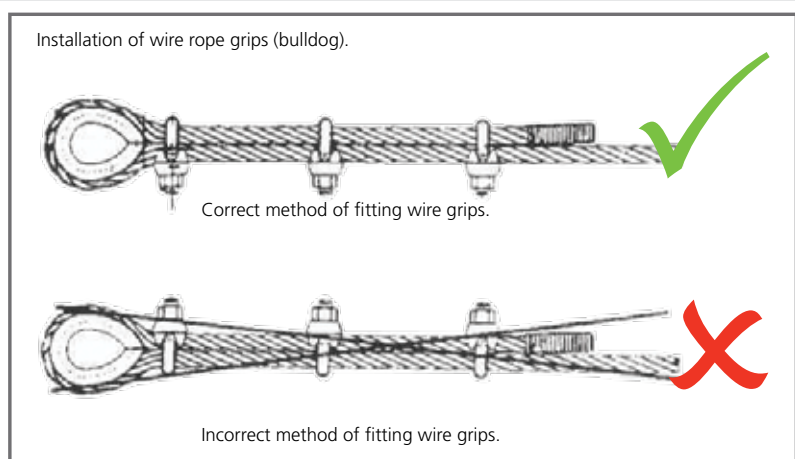
A wire rope grip should be applied to the tail (only) of the rope below the socket to prevent dislodgement of the wedge.

## WIRE ROPE GRIPS

They can be one of the most dangerous fittings used by riggers if not used correctly. If the bolts are over tightened the rope will be crushed or if the bolts are under tightened slipping will occur.

At least three wire rope grips should be used, with the saddles on the live part of the rope, and the U-bolt pressing on the less heavily loaded tail of the rope. They should be spaced at least six rope diameters apart.

Do not use bulldog grips on any load hoisting ropes.





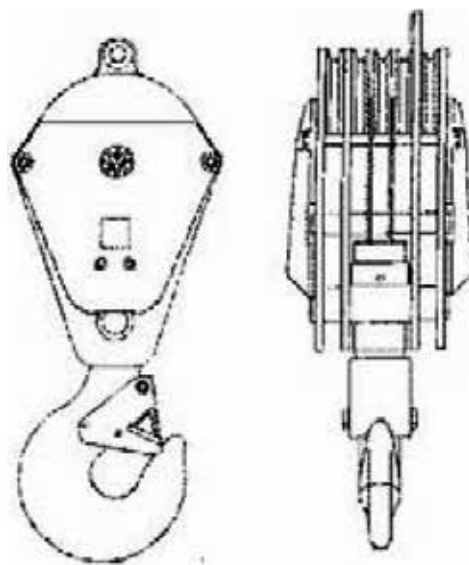


## WORKING WITH BLOCKS

### OVERHAUL WEIGHT

To determine the weight of the block or overhaul ball that is required to free fall the block, the following information is needed:

- Size of the wire rope.
- Number of line parts.
- Type of sheaving bearing.
- Length of crane boom and drum friction.



## BLOCK REEVING

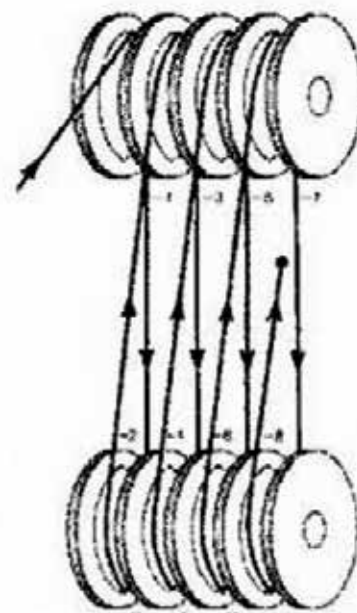
Straight laced reeving is a basic method of placing the rope through a set of blocks. The end of the rope is fed through the outside sheave of the upper block to the outside sheave of the lower(traveling) block. This continues to the last sheave.

### ADVANTAGES:

1. Allows blocks to run closer together.
2. Is simpler.
3. Has no reverse bend.

### DISADVANTAGES:

Tilting because of the imbalanced loading can cause block rotation and wear of the sheaves and wire rope.

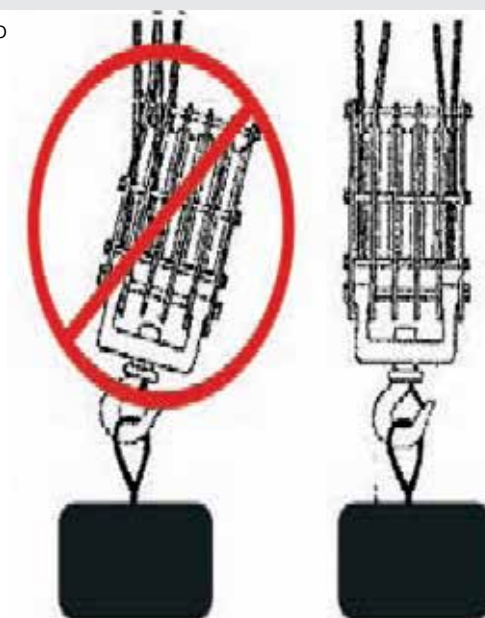


## SYMMETRICAL REEVING

Reeve blocks symmetrically to distribute load evenly. All sheaves must be reeved to achieve the full working load limit of the block.

### BLOCK CABLING

1. Reduce wire rope length.
2. Use even part reeving.
3. Dead end to boom.
4. Evaluate wire rope construction.

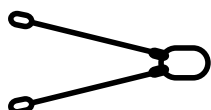


## AUSTRALIAN STANDARDS

Material description	Material Specification	Amendments and Updates
Cranes, Hoists & Winches - General Requirements	AS1418 1 - 2002	AS 1418 1 - 2002/Amdt 1 - 2004
Cranes, Hoist & Winches - Bridge, Gantry, Portal & Jib Cranes	AS1418 3 - 1997	
Cranes, Hoists & Winches - Bridge, Gantry, Portal & Jib Cranes	AS 1418 3 - 1997/Amdt 1 - 1998	AS 1418 3 - 1997/Amdt 2 - 2003
Cranes (including Hoists & Winches) - includes Chainblocks, Leverblocks, Drum Winches, Tirlors, Scaffold Hoists	AS 1418 2 - 1997	
Cranes, Hoist & Winches - Safe use	AS 2550 3 - 2002	AS 2550 1 - 2011 Cranes, hoists & winches - Safe use - General requirements.
Shackles (includes D & Bow Shackles)	AS 2741 - 2002	AS 2741 - 2002/Amdt 1 - 2002 Shackles & Amdt 2 - 2008
Gas Detector	AS 1716	AS/NZS 1716 - 2012 Respiratory protective devices
Swift Lift	AS 3850 - 2003	
Sheave Blocks	AS 2089 - 2008	
Fall Arrest Systems & Devices	AS 1891 4 - 2009	
Forklift Work Platform	AS 2359 1 - 2015	
Powered Industrial Trucks - General requirements	AS 2359 1 - 1995	
Glass Lifters	AS 4991 - 2004	
Chain Slings - Grade T	AS 3775 1 - 2014	AS 3775.1 :Amdt 1 - 2015
Lifting Components for Grade T Chain Slings	AS 3776 - 2015	
Shank Hooks & Large eye Hooks	AS 3777 - 1990	AS 3777 - 2008 Shank hooks & large eye hooks - Maximum 60T
Hydraulic Trolley Jacks	AS/NZS - 2615 - 1995	AS/NZS 2615 - 2004 Hydraulic trolley jacks
Roundslings - Synthetic Fibre	AS 4497 1/2 - 1997	
Carbon Steel hot rolled bar & sections	AS 3679	AS/NZS 3679 1 - 2010 Structural steel - Hot-rolled bars & sections
Carbon Steel cold formed sections	ASTM A1085/A1085M-15	
Aluminium flat sheet, coiled sheet & plate	AS 1734	AS/NZS 1734 - 1997 Aluminium & aluminium alloys - Flat sheet, coiled sheet & plate
Stainless steel plate	ASTM 01.03 2016	
Wire rope	AS3569	AS3769-2010 steel wire ropes - product specification Amdt 1 2012
Wire rope sling assemblies	AS 1666 1	AS 1666 1 - 2009 Wire-rope slings - Product specification
Grade T chain assemblies	AS 3775.1:2014	AS 3775.1: 2014 Amdt 1 :2015
Chain Grade L, P or T	AS 2321:2014	
Grade T chain (Non - Australian made)	ISO 3076 & ISO 7593	ISO/FDIS 3076 Round steel short link chains for general lifting purposes - Medium tolerance sling chains for chain slings - Grade 8
Fibre round slings	AS 4497 1/2 - 1997	BS EN 1492 2 - 2000+A1 2008 Textile slings. Safety round slings made of man-made fibres for general purpose use
Synthetic webbing	AS 1351	AS 1353 1 - 1997 Flat synthetic webbing slings - Product specification
Steel ferrules & swag fittings	AS 2759:2004	
Shackles	AS 2741	AS 2741 - 2002/Amdt 1 - 2001 Shackles & Amdt 2 - 2008
Hooks	BS 2903	BS 2903
Forged lifting hooks	AS 3777	AS 3777 - 2008 Shank hooks & large eye hooks - Maximum 60T
Lifting links & rings	AS B291	
Welding consumables & carbon steel fabrication	AWSD1.1	AWS D1.1/D1 1m 2010 Structural Welding Code - Steel
Eye bolts	AS 2317	AS 2317 - 1998 Collared eyebolts
Welding consumables for stainless steel fabrication	AS 1553 & AS 2717	
Studs, bolts & nuts	AS 5066 - 2002	
Carbon steel bolts	AS 12528.8 or equal	AS/NZS 1252 1996 High strength steel bolts with associated nuts & washers for structural engineering
Flat synthetic webbing slings	AS 1353 1/2 - 1997	
Short link chain for lifting purposes	AS 2321 - 2014	AS 2321 - 2006 Short-link chain for lifting purposes



TECHNICAL INFORMATION

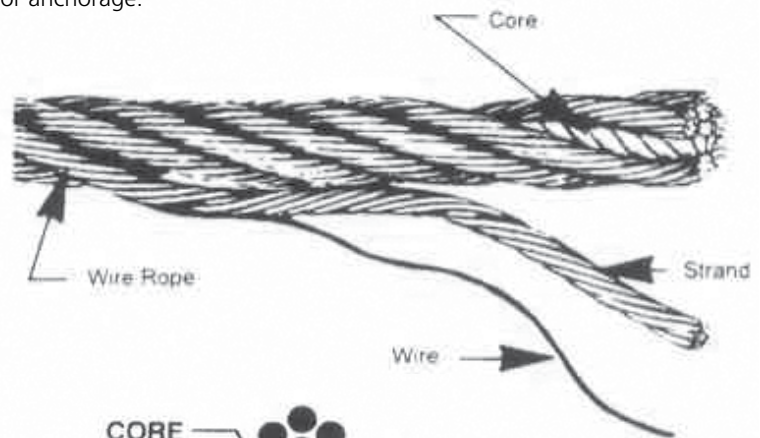
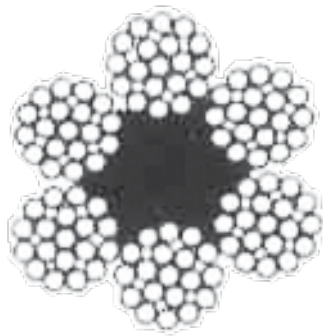
AUSTRALIAN STANDARDS																				
Webbing Slings & Round Slings	Lifting Mode Capacity																			
	kg										Colour Code	kg	kg	kg	kg	kg	kg	kg	kg	
	1000										Violet	1000	800	2000	1900	1700	1400	1000	1700	1400
	2000										Green	2000	1600	4000	3800	3400	2800	2000	3400	2800
	3000										Yellow	3000	2400	6000	5700	5100	4200	3000	5100	4200
	4000										Grey	4000	3200	8000	7600	6800	5600	4000	6800	5600
	5000										Red	5000	4000	10000	9500	8500	7000	5000	8500	7000
	6000										Brown	6000	4800	12000	11400	10200	8400	6000	10200	8400
	8000										Blue	8000	6400	16000	15200	13600	11200	8000	13600	11200
10000	Orange	10000	8000	20000	19000	17000	14000	10000	17000	14000										

AUSTRALIAN STANDARDS

### FLEXIBLE STEEL WIRE ROPE – LAYS AND CONSTRUCTION

FSWR is constructed of wires and strands laid around a central core. In the illustration below there are 19 wires to the strand and six strands around the core making up the rope.

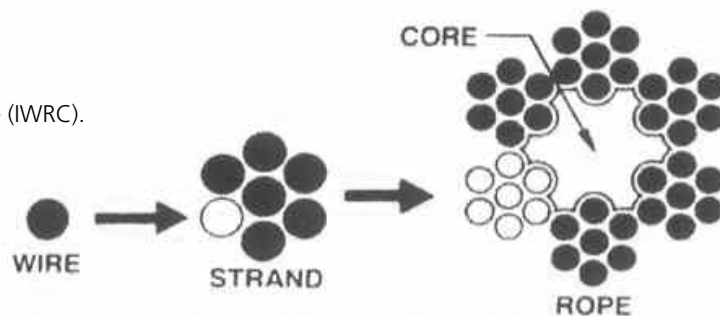
It is important not to confuse wires and strands. If a strand is broken, the rope is unusable. A single broken wire in a sling is not as important unless broken immediately below a metal fitting or anchorage.



#### Composition of wire rope

The core can be:

- Fibre Core (FC).
- Independent Wire Rope Core (IWRC).
- Plastic Core (PC).



A 6/19 (six strands of 19 wires each) is the minimum FSWR construction that can be used for slings.

Lay is the direction the wires are formed into strands and the strands are formed into the finished rope.

The strands can be laid either left or right around the core. In left hand lay the strands are laid anti-clockwise and in right hand lay they are laid clockwise.

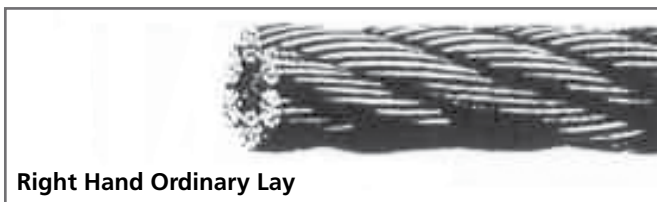
Ordinary lay is where the wires are laid in the opposite direction to the strands.

Lang's lay is where the wires are laid in the same direction as the strands. There is therefore:

Right hand ordinary lay – RHOL  
Right hand Lang's lay – RHLL

Left hand ordinary lay – LHOL  
Left hand Lang's lay – LHLL

Maximum number of broken wires allowed in a length of 200mm = 11



Right Hand Ordinary Lay



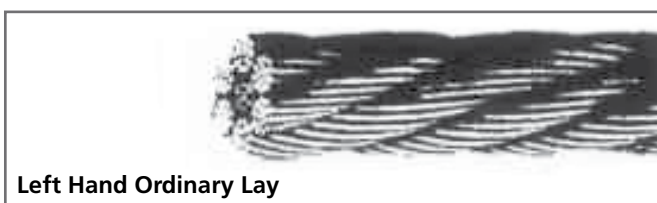
Left Hand Lang's Lay



Right Hand Lang's Lay



Alternate Lay



Left Hand Ordinary Lay



One Rope Lay

## BROKEN WIRES

As the rope lays into a sheave friction occurs and the outside of the wires wear and become flat. Langs lay ropes are much less prone to outer wire wear than ordinary lay.

As outer wires wear and the wire rope is bent over sheaves the fatigue will start to break them.

The maximum number of broken wires allowed in a FSWR is 10 per cent of the total number of wires over a length eight times the diameter of the rope.

For example: 25mm diameter / 6 x 19 Seale

Diameter = 25mm

$25 \times 8 = 200\text{mm length}$

Total wires in 6 x 19 = 114 wires

10 per cent of 114 = 11.4 wires

**Maximum number of broken wires allowed in a length of 200mm  
= 11**

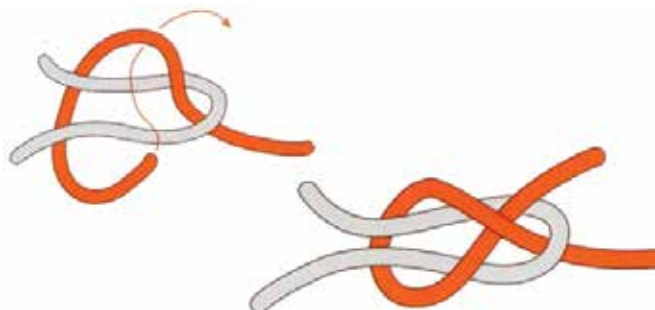
## BASIC RIGGING RULES

Always include the weight of the lifting tackle (slings, cages, spreaders etc) as well as any containers to the total load when determining SWL. We recommend only using grade 80 or 100 chain when lifting. For grade 80 chain the SWL for a straight life is calculated as  $32 \times \text{diameter squared}$ . Eg. A 10mm chain as a straight lift capacity of 3200kg.

Flexible Steel Wire rope (FSWR), in good condition, has a lifting capacity of  $8 \times \text{diamter squared}$  unless stated differently on the load chart. Eg A 10mm FSWR has a straight lift capacity of 800kg. When lifting with a three or four leg sling only two legs are considered to be taking the load when it's a rigid load.

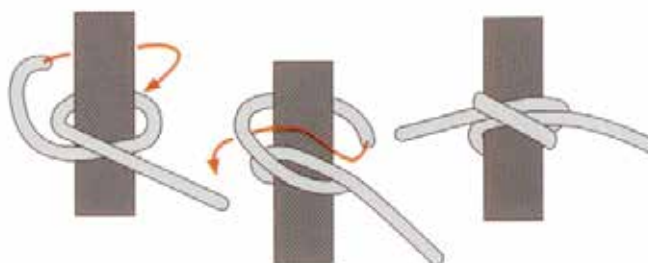
When using a multi leg sling or multiple slings, angle factors reduce the SWL (refer sling charts). Never exceed 120 degrees between slings. This is one of the reasons knots shouldn't be tied in slings. When reeving a sling around a square load the SWL is reduced by 50%. The distance between the two lifting points on a load should not exceed the length of sling.

## COMMON KNOTS



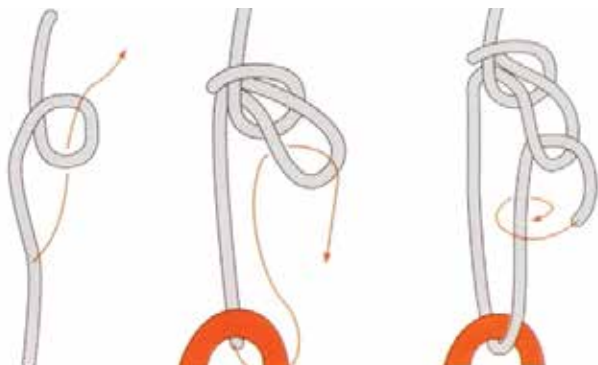
### Sheet Bend

Make a loop with the heavier line. Pass second line up through loop, around both heavy lines then back under itself.



### Clove Hitch

Make a turn around a post with the standing part on the top. Take a second turn around in the same direction and feed the free end through the eye of the second turn and pull tight.



### Trucker's Hitch

Tie off one end of rope. Tie a slippery half hitch in the middle of the line to form a small loop.

With free end, make a half turn around a fitting and bring the free end back up to the loop. Feed through and pull line tight. Finish off with one or two half hitches.



### Bowline

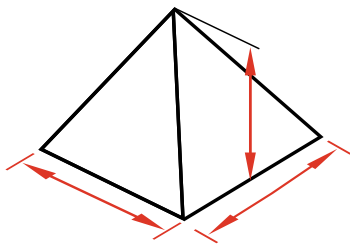
From an eye in the rope with the standing part underneath. Run the free end up through the eye then take a turn around the standing part.

Feed the free end back down in to the eye and hold there while pulling standing part to tighten down knot.

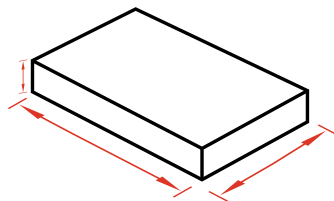
TECHNICAL INFORMATION

VOLUMES OF COMMON SHAPES

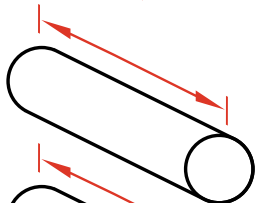
Pyramid =  $\frac{1}{4} l b h$



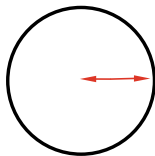
Rectangular solid =  $l b h$



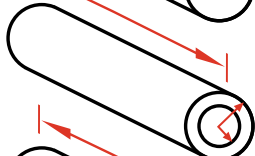
Solid cylinder =  $\pi r^2 l$



Sphere =  $\frac{4 \pi r^3}{3}$



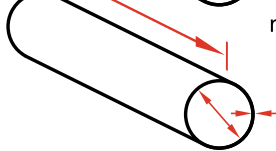
Thick walled pipe =  $\pi (r_1^2 - r_2^2) l$



$r_1$  (outer radius)

$r_2$  (inner radius)

Thin walled pipe =  $\pi d l t$



HAND SIGNALS

Motion	Hand Signal	Whistle, Bell or Buzzer Signal	Motion	Hand Signal	Whistle, Bell or Buzzer Signal
Hoisting Up		2 Short	Hoisting Down		1 Long
Luffing Boom Up		3 Short	Luffing Boom Down		4 Short
Slewing Right		1 Long 2 Short	Slewing Left		1 Long 1 Short
Jib Out; Telescoping Boom Extend		1 Long 3 Short	Jib In; Telescoping Boom Retract		1 Long 4 Short
Travel & Traverse		Not Applicable	STOP		1 Short



## MEASUREMENT TABLES

Length	
1 inch	2.54 cm
1 mile	1.609 km
Area	
1 square inch	6.451 sq. cm
1 square feet	0.092 sq. metres
1 acre	0.404 hectares
1 square mile	2.589 sq. km
Volume	
1 cubic foot	0.028 cu. metres
1 cubic yard	0.764 cu. metres
1 cubic foot per minute	0.472 L/sec
Capacity	
1 UK pint	0.56 litres
1 UK gallon	4.54 litres
1 US gallon	3.8 litres
Weight	
1 ounce	28.35 g
1 pound	0.45 kg
1 ton	1016 kg
1 tonne	1000 kg
1 stone	6.35 kg
1 US short ton	907 kg
Force	
1 Kilo Newton	102 kg Force
1 Foot Pound	1.356 Newton metres
Pressure	
1 PSI	0.069 bar
Energy	
1 Horse Power	0.75 Kilowatts
Table of Masses	
Aluminium	2700 kg/cu. M
Blue Metal	2000 kg/cu. M
Bricks Common Per 1000	3500 kg
Cement - Bagged	20 or 40 kg / bag
Concrete - Wet	2400 kg / cu. M
Glass 10mm Thick	27 kg/sq. m
Plywood 6mm	3.5 kg/sq. m
Plasterboard 13mm	27kg / sq. m
Sand - Dry Beach	2000 kg / cu. M
Sand - Dry River	1500 kg / cu. M
Sleepers (225x114x2400mm)	80kg
Steel	7800kg / cu. M
Paper	1120kg / m3
Scaffold Tube 4.8m Wall	5.2 kg / m
Soil	1800 kg / cu. M
Tiles - Terracotta	350 kg / 100
Timber - Hardwood	1100 kg / cu. M
Timber - Softwood	650 kg / cu. M
Water	1kg / litre
Steel Universal Beams	
- 150mm x 75mm wide	14 kg / m
- 203mm x 133mm	25 kg / m
- 304mm x 165mm	41 kg / m

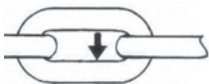



**Note:** These are approximations only. Wherever possible obtain exact weights from supplier.

## TECHNICAL INFORMATION

## WIRE ROPE SLINGS

	DIRECT LOADED	CHOKE HITCH		BASKET HITCH				DIRECT LOAD			CHOKE HITCH		
		ROUND LOAD	RECTANGULAR LOAD	ROUND LOAD		OTHER THAN ROUND LOAD		0 - 60°	90°	120°	ROUND LOAD		OTHER THAN ROUND LOAD
				0°	60°	90°	120°				SINGLE WRAP	DOUBLE WRAP	
	-	-	-	0°	60°	90°	120°	0 - 60°	90°	120°	0 - 45°	0 - 60°	0 - 60°
% OF S.W.L	100%	75%	50%	200%	171%	140%	100%	100%	140%	100%	129%	87%	
MAXIMUM WORKING LOADS IN TONNES OF 1000KG FOR 1570 GRADE CORE													
8	0.55	0.41	0.27	0.94	0.77	0.55	0.71	0.48	1.09	0.94	0.77	0.55	0.48
10	0.85	0.64	0.43	1.47	1.2	0.85	1.11	0.74	1.7	1.47	1.2	0.85	0.74
12	1.23	0.92	0.61	2.1	1.73	1.23	1.59	1.07	2.5	2.1	1.73	1.23	1.07
14	1.67	1.25	0.83	2.9	2.4	1.67	2.2	1.45	3.3	2.9	2.4	1.67	1.45
16	2.2	1.64	1.09	3.8	3.1	2.2	2.8	1.9	4.4	3.8	3.1	2.2	1.9
20	3.4	2.6	1.7	5.9	4.8	3.4	4.4	3	6.8	5.9	4.8	3.4	3
MAXIMUM WORKING LOADS IN TONNES OF 1000KG FOR 1770 GRADE STEEL CORE													
8	0.78	0.58	0.39	1.35	1.1	0.78	1.01	0.68	1.56	1.35	1.1	0.78	0.68
10	1.22	0.92	0.61	2.1	1.72	1.22	1.59	1.06	2.4	2.1	1.72	1.22	1.06
12	1.76	1.32	0.88	3	2.5	1.76	2.3	1.53	3.5	3	2.5	1.76	1.53
14	2.4	1.8	1.2	4.2	3.4	2.4	3.1	2.1	4.8	4.2	3.4	2.4	2.1
16	3.1	2.3	1.56	5.4	4.4	3.1	4.1	2.7	6.2	5.4	4.4	3.1	2.7
20	4.9	3.7	2.4	8.4	6.9	4.9	6.3	4.2	9.8	8.4	6.9	4.9	4.2

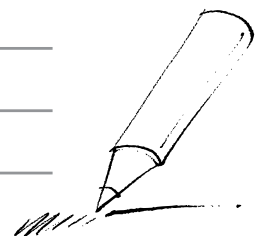
### GRADE 80 (T) CHAIN SLINGS

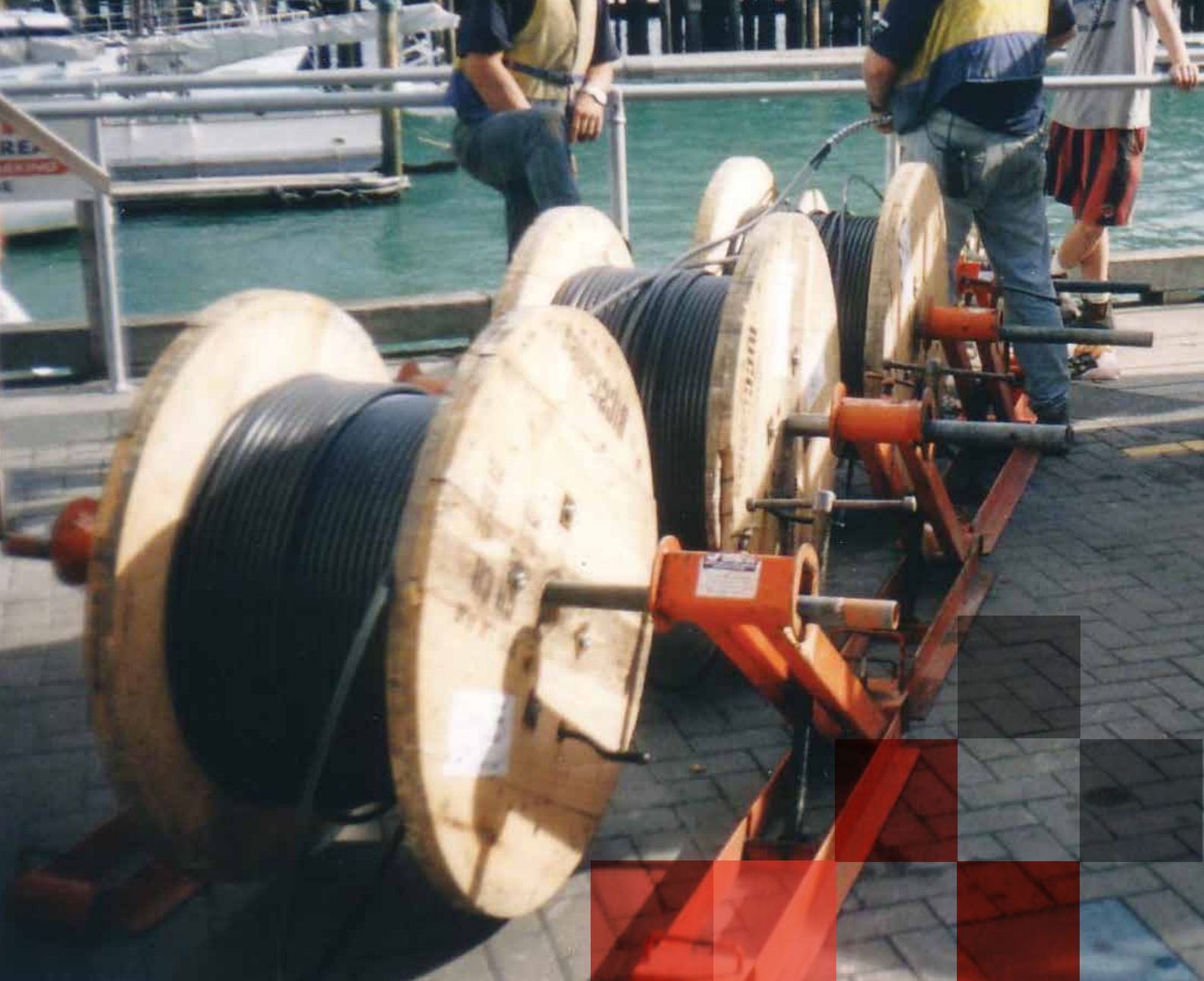
CHAIN SLINGS																
	DIAM		DIRECT LOAD		ADJUSTABLE SLING		CHOKE HITCH	ENDLESS SLING								
								DIRECT LOAD			REEVED SLING			BASKET HITCH		
6	1.1	1.1	0.8	60°	90°	120°	60°	90°	120°	60°	90°	120°	1.7			
7	1.5	1.5	1.1	2.6	2.1	1.5	2.0	1.6	1.1	2.0	1.6	1.1	2.3			
8	2.0	2.0	1.5	3.5	2.8	2.0	2.6	2.1	1.5	2.6	2.1	1.5	3.0			
10	3.2	3.2	2.4	5.5	4.5	3.2	4.1	3.4	2.4	4.1	3.4	2.4	4.8			
13	5.3	5.3	4.0	9.2	7.5	5.3	6.9	5.6	4.0	6.9	5.6	4.0	8.0			
16	8.0	8.0	6.0	13.8	11.3	8.0	10.4	8.5	6.0	10.4	8.5	6.0	12.0			
19	11.2	11.2	8.4	19.4	15.8	11.2	14.6	11.9	8.4	14.6	11.9	8.4	16.8			
22	15.0	15.0	11.3	26.0	21.2	15.0	19.5	15.9	11.3	19.5	15.9	11.3	22.5			
26	21.2	21.2	15.9	36.7	29.9	21.2	27.6	22.5	15.9	27.6	22.5	15.9	31.8			
32	31.5	31.5	23.6	54.5	44.4	31.5	41.0	33.4	23.6	41.0	33.4	23.6	47.3			

### CHAIN SLINGS

134







# CABLE HAULING, NO JOB TOO BIG OR SMALL.

Contact the Specialists at Kennards Hire Lift and Shift for more info about our extensive range of cable hauling products.

To find out more, visit your local Kennards Hire Lift & Shift branch today, or visit our equipment range and hire online.

**AUSTRALIA**

**1300 897 419**

[www.kennards.com.au](http://www.kennards.com.au)

**NEW ZEALAND**

**09 273 3129**

[www.kennardshire.co.nz](http://www.kennardshire.co.nz)

**KENNARDS**  
HIRE

## WHY HIRING MAKES GOOD SENSE

Hiring through a specialist like Kennards Hire Lift & Shift allows you to access highly knowledgeable experts in the field as well as the latest, well maintained equipment. Other benefits include:

### - SAVE MONEY

You have immediate access to our huge range of the latest equipment, without capital outlay. Save on labour costs as well as the problems of registration, depreciation, storage, repairs and maintenance.

### - MAKE THE JOB EASIER

The right equipment makes the most difficult task easy. Work is safer and more productive with the latest equipment.

### - STAY IN CONTROL

When you hire, you're the boss. You plan your work to suit yourself and hire the equipment only when you want it.

### - RELIABLE EQUIPMENT

Kennards Hire Lift & Shift only stock leading brands that are renowned for reliability and performance. Our rigorous cleaning, servicing and testing ensures you hire reliable, efficient equipment.

### - STAY UP TO DATE

When you hire from Kennards Hire Lift & Shift you get the very latest equipment. When new and improved equipment is developed, we buy it so you can hire it.

### - HIRING IS FULLY TAX DEDUCTIBLE

Our computer-generated contracts and invoices provide you with accurate accounting information so your paperwork is easy.

### - MEET PEAK DEMANDS

You can add to your existing plant and equipment during peak periods, without the associated costs of having idle equipment.





### - TRY BEFORE YOU BUY

If you're thinking about buying something new, why not hire it from Kennards Hire Lift & Shift first to ensure it's what you really want.

## PAYMENT OPTIONS

Pay by cash, credit card, EFTPOS or our new online payment system. If you're an account customer you can pay by BPAY or telephone, using your credit card. Our 30-day credit account makes it easier and faster for regular hirers.

We also accept the following credit cards: Visa, Mastercard, American Express and EFTPOS. Our automated payments include:

	Pay direct to Kennards Hire using your bank account BSB: 065-770 Account Number: «PAN»unique code
	Hassle free, automatic monthly bill payments can be set up in one easy phone call to 1300 786 808.
	Use BPAY to pay from your cheque or savings account Billers Code: 636324 BPAY Number: «PAN» unique code
	Use your credit card to pay online or over the phone Go to <a href="http://www.kennards.com.au">www.kennards.com.au</a> or call 1300 786 808. No extra charges for paying by credit card.





# THE CENTRES OF ATTENTION

Our specialist branches are the place to go for more specialised and specific hire equipment. And as a matter of course, all our equipment is backed by 24/7 service and support and onsite delivery.



# CONCRETE CARE

Concrete's tough, but we can certainly make it easier to work with. Our Concrete Care Branches hire out equipment for residential, industrial and commercial concrete surface preparation, cleaning, repair and maintenance. We also stock a wide range of diamond products.

So if you're getting up to any concrete cutting, sawing, drilling, cleaning, demolition, placement or surface preparation, there's only one place to go.



# RAIL

There's around 44,000 kilometres of rail track network across Australia right now. And we get that rail maintenance crews need access to the right equipment and expert advice, well, right now.

Clipping machines, trolleys, Railtech and Thermit weld kits, rail clamps and benders, rail head and switch grinders, Fastclip installers and extractors, and Vortok safety barriers are all available.

And our equipment doesn't only comply with state and national regulations – it's serviced after every hire too.





# PUMP & POWER

Finding the job draining? Or maybe you're out of energy? Just head into a Kennards Hire Pump & Power branch. There you'll find generators ranging from the compact and portable to the silent and powerful, all the way from 20kVA up to 1250kVA. We carry distribution boards, leads, cable ramps and stands too.

You can also hire a broad selection of sludge, slurry, drainage, contractor and submersible pumps. Durable, dependable and suitable for everything from waste to fresh water, our pumps are perfect for the building, construction, mining, agricultural, municipal and marine industries. What's more, we can get them to you no matter where you are in Australia.



# TRAFFIC

Bad traffic can have the same affect on a work site as it does on a road – it'll stop you getting anywhere. So before that happens, take a trip to a Kennards Hire Traffic Centre.

Set up to meet the needs of civil and government construction, roadwork and local council projects, you can hire everything you need to create a safe and organised work zone.

Think attenuators, VMS message and arrow boards, pedestrian and traffic barriers, safety and directional signs, cones, road plates, portable lighting towers and self powered solar traffic signals.





# TEST & MEASURE

We don't have to tell you how important testing and measuring is. Kennards Hire Test & Measure is our newest specialist offer with an extensive range of testing, safety and data analysis solutions.

Our team of industry experts provide customers in the oil, gas and mining industry, sewer and water mains construction, electrical data and communications and plumbing industries with innovative and leading-edge test and measurement equipment.

We know how important the little things are. This gear can be complicated and technical. But our team will help you down to the finest of details, and *"make your job easy"*.



# WE'LL MAKE IT HAPPEN

If you think your job is our number one priority, you think wrong. The most important thing to us is your safety. That's why our equipment comes with safety accessories and/or a Kennards Hire personal protection pack.

When you hire something, we'll be sure to give you all the details on how best to use it. And when you return it, we'll put it through our extensive servicing and maintenance procedure. So you'll not only know how to use our equipment, but that it'll be in perfect working condition, too.





# BE TREATED LIKE FAMILY

# KENNARDS

We see our customers as part of the Kennards Hire family. And everyone knows that family comes first. From fully understanding your needs and greeting you with a smile, to getting an urgent delivery to your site or giving you after hours help, we'll never let you down.

And of course, family members can be honest with each other. So if there's anything you think we can work on, we're all ears.

# ACCESS 24/7.



# EASY



# A NETWORK THAT WORKS

We've all been there. You need another machine to do the work, but you can't justify buying one. Or, you're in the middle of the job and your tool decides to call it quits. That's why we're here – and it's why so many professionals just like you hire from us every day.

## WE'VE ALL BEEN THERE.

You don't have to go far. Our branches are all over Australia – and we're still opening more. We've even got thirteen branches in NZ – nine in Auckland, one in Wellington and three in Christchurch. So no matter where you're working, we're bound to be close by.

## CAN'T VISIT US? THEN WE'LL COME TO YOU

Kennards Hire Site Solutions (KHSS) is an onsite hire equipment management solution for planned shutdowns and or project critical path works. Drawing on over 65 years of experience in the hire industry, the KHSS team will partner with any project that requires tailored packages for shutdowns or planned maintenance.

The on-site purpose built tool stores can be manned by Kennards Hire staff if needed and operational 24/7, complete with specialist tooling and equipment specific for any scope of works.



## PRODUCT INDEX

<b>3 IN 1 TROLLEY</b>	<b>31 DAVIT ARM</b>	<b>87 LIFTING CLUTCH - SWIFT LIFTS</b>	107 SCREW JACKS	22
3 ROLLER CURVE	95 DIGITAL LOAD INDICATORS	118 LIFTING KEYS SHORT	106 SHACKLES	116
<b>4 ROLLER CORNER</b>	<b>96 DOLLIE - PIANO</b>	27 LOAD OVERHANG TABLE	74 SKOOTS PAIR	29
<b>A-FRAME TROLLEYS</b>	<b>80 DOLLIE - SAMSON</b>	27 LOAD PLATFORM	64 SNATCH BLOCKS & SHEAVE BLOCKS	113
AIR / HYDRAULIC PUMPS	6 DOLLIE - TIMBER & PLASTIC	27 <b>MAGNETIC LIFTER</b>	<b>106 SOCKETS / REDUCERS</b>	15
AIR BLOW CONES	96 DUCK SNAKES	96 MANIFOLD	7 SPLIT DUCT ROLLER	95
AIR LIFT BAGS	20 <b>ELECTRIC STAIR CLIMBER - L/DUTY 140KG</b>	<b>28 MANUAL BOULDER GRAB</b>	71 SPREADER BEAMS AND LIFTING BEAMS	51
ALLOY SUPER PROPS	24 ELECTRIC STAIR CLIMBER - TAILGATE LOADER	29 MANUAL TENSION WRENCHES	15 SPREADERS	12
<b>BASES</b>	<b>8 ESCAPE AIR BREATHING RESCUE KIT</b>	86 MANUAL TORQUE MULTIPLIER	15 STAIR CLIMBER - 310KG	28
BEAM LIFTER	63 EXTENSION FORKS	64 MANUAL WIRE ROPE HOISTS	58 STAIR CLIMBER - TRACKED	28
BEARING PRESSES	13 <b>FACADE LIFTER</b>	<b>46 MATERIAL HOIST - COUNTERWEIGHTED</b>	65 STAIR ROBOT 750KG	28
BEARING PULLERS	12 FALL ARRESTOR / INERTIA REELS	89 MATERIAL HOIST COUNTERWEIGHTED	78 STANDARD ROLLER	95
BELLMOUTH / SPLIT DUCT	96 FLANGE ALIGNMENT TOOL - FA1TM	16 MATERIAL HOIST GAS HOIST	63 STEEL MACHINERY SKATES	26
BLOCK GRAB - 1500KG	70 FLANGE LIFTING WEDGE VERTICAL	16 MATERIAL HOIST GL LIFTS	63 STEEL PROPS	24
BLOCK GRAB - 500KG	70 FLANGE PULLING TOOL - KIT	17 MATERIAL HOIST T BAR LIFTS	63 STEERABLE SKATES	26
BOBCAT RAMPS	104 FLANGE SPREADER - SECURE GRIP KIT	17 MATERIAL HOISTS - GENIE	62 STONE SLAB GRAB	71
BOBCAT RAMPS	104 FLANGE SPREADER KIT HYDRAULIC	16 MATERIAL HOISTS - SUMNER	62 SYNCMASTER SYNCHRONOUS LIFT SYSTEM	23
BOLTING SYSTEM AND POWER PACK	8 FLANGE SPREADER TOOL - KIT	17 MECHANICAL ALIGNMENT TOOL - KIT	<b>18 TELEHANDLER - 2500KG</b>	<b>36</b>
BOOM	64 FLOOR CRANES - COUNTERWEIGHTED	44 MECHANICAL BOULDER GRAB	71 TELEHANDLER - TABLE CHART	37
BOSUNS CHAIR	89 FLOOR CRANES / ENGINE HOISTS	44 MINIFOR	59 TEMPORARY STATIC LINE	86
BOTTLE JACKS	20 FORKLIFT	38 MOBILE GLASS LIFTER 350KG	74 TEST WEIGHTS	118
BRICK & BLOCK CAGE	47 FORKLIFT DRUM LIFTER	48 MOBILE GLASS LIFTER 500KG	74 TILE ELEVATOR	66
BRICK & BLOCK ELEVATOR	66 FORKLIFT DRUM ROTATOR	49 MOBILE GLASS LIFTER 500KG	75 TIPPING SKIPS	48
BRICK BUGGY	34 FORKLIFT JACKS	20 MOBILE GLASS LIFTER 500KG	75 TOE JACKS	20
BRICK, BLOCK, TILE ELEVATOR	66 FORKLIFT JIB - EXTENDABLE	49 MOBILE GLASS LIFTER 900KG	75 TORQUE PNEUMATIC WRENCHES	15
BRUSHES / SQUEEGEES	97 FORKLIFT JIB - SIMPLE SLIP ON	49 <b>NUT SPLITTERS</b>	<b>12 TORQUE TOOL PUMPS</b>	16
<b>CABLE CUTTER - CORDLESS</b>	<b>97 FORKLIFT PEDESTRIAN</b>	39 NYLON SLINGS	116 TORQUE WRENCH CASSETTE DRIVE	14
CABLE CUTTER - HYDRAULIC 100MM	98 FORKLIFT SLIPPERS	48 <b>PALLET HOOK</b>	<b>47 TORQUE WRENCH SQUARE DRIVE</b>	14
CABLE HAULING CALCULATOR	101 FORKLIFT SWINGING EXTENDABLE JIB	49 PALLET PULLER	32 TRACKED FORKLIFT	38
CABLE HAULING ROPE - HIGH CAPACITY	57 FORKLIFT WORK PLATFORM (ACCESS CAGE)	48 PALLET TRUCK	32 TRANSMISSION JACKS	21
CABLE HAULING ROPE - HIGH CAPACITY	93 <b>GANTRY CRANES - 1000KG</b>	<b>43 PALLET TRUCK - HI LIFT</b>	33 TRIPOD - MATERIALS	45
CABLE HAULING ROPE - LOW CAPACITY	57 GANTRY CRANES - 5000KG ALUMINIUM	44 PALLET TRUCK - ROUGH TERRAIN	34 TRIPOD & RECOVERY SYSTEM	87
CABLE HAULING ROPE - LOW CAPACITY	93 GANTRY CRANES - 5000KG STEEL	44 PALLET TRUCK - SIDEWAYS MOVING	33 TROLLEY - DRUM	30
CABLE JACK - 1T / 2T / 3T	94 GANTRY CRANES - ALUMINIUM - 1500KG	43 PALLET TRUCK ELECTRIC	33 TROLLEY - HEBEL PANEL	30
CABLE JACK (BRAKED) - 8T	94 GANTRY CRANES - ALUMINIUM MOBILE - 1000KG	43 PALLET TRUCK WITH BRAKES	32 TROLLEY - PIPE	29
CABLE JACK (UNBRAKED) - 8T	94 GANTRY JOINER - 3000KG	43 PALLET TRUCK WITH SCALES	33 TROLLEY - PLASTERBOARD	30
CABLE JACKS	22 GAS DETECTOR	86 PANEL ATTACHMENTS	50 TROLLEY - PLATFORM	31
CABLE JINKER - 1000KG / 2000KG	94 GIRDER CLAMPS	112 PAVING CART	34 TROLLEY - PLATFORM HYDRAULIC	31
CABLE PULL JET BLOWER KIT	99 GIRDER TROLLEY GEARED	112 PETROL WHEELBARROW	68 TROLLEY - TURNTABLE	29
CABLE SOCKS	97 GIRDER TROLLEYS	112 PIPE & GROUND CLAMPS	113 TROLLEY DOUBLE SIDED LARGE	80
CAPSTAN WINCH - 1500KG / 2500KG	56 GLASS LIFTER - 350KG	77 PLATE CLAMPS HORIZONTAL & VERTICAL	112 TROLLEY DOUBLE SIDED MEDIUM	80
CAPSTAN WINCH - 1500KG / 2500KG	92 GLASS LIFTER - 500KG	75 & 76 PLATE CLAMPS UNIVERSAL	113 TROLLEY DOUBLE SIDED SMALL	78
CAPSTAN WINCH - 3600KG	57 GLASS LIFTER - 500KG	76 PNEUMATIC (AIR) CHAIN HOISTS	55 TROLLEY JACK - AIR 35T	21
CAPSTAN WINCH - 3600KG	93 GLASS LIFTER - 575KG	76 PNEUMATIC CHAINBLOCK CONTROL	55 TROLLEY JACKS	21
CAPSTAN WINCH - 4.5HP / 9HP / 11HP / 13HP	56 GLASS LIFTER - 900KG	76 PORTA POWER GAUGE	7 TROLLEY SINGLE SIDED / TROLLEY SELF LOCKING	78
CAPSTAN WINCH - 4.5HP / 9HP / 11HP / 13HP	52 GLASS LIFTER - VARIABLE 200KG	78 PORTA POWER PUMP ELECTRIC	6 TROLLEY SKATE - 1T	26
CAPSTAN WINCH - 6.5 TONNE	56 GLASS LIFTER - VERTICAL 200KG	77 PORTALIFT	31 TRUCK - REAR MOUNTED CRANE	41
CAPSTAN WINCH - 6.5 TONNE	92 GLASS LIFTER 500KG FORK MOUNTED	75 PROPPAS	24 TRUCK - SIDE MOUNTED CRANE	42
CAPSTAN WINCH - OPTIC FIBRE	56 & 92 GLASS LIFTER VARIABLE 200KG	78 PROVING MADREL	97 <b>UNIVERSAL HANDLES</b>	<b>71</b>
CHAIN SLINGS	116 GLASS LIFTING ATTACHMENT	65 PULLER RAMS	13 UTE - SIDE MOUNTED CRANE	42
CHAINBLOCKS - ELECTRIC	54 GLASS LIFTING CLAMP	81 <b>RAIL CLAMP</b>	<b>113 VACUUM GLASS LIFTER 12V DUAL CH 635KG</b>	<b>79</b>
CHAINBLOCKS - MANUAL	54 GLASS SUCKER HANDHELD	81 REBAR BENDERS	13 VACUUM GLASS LIFTER 12V INLINE 320KG / 500KG	78
CONCRETE & GROUT KIBBLES	47 GOODS CAGES	47 REBAR CUTTERS	13 VACUUM GLASS LIFTER 12V SPIDER 320KG / 500KG	78
CONDUIT BLOWER	99 <b>HAND PUMP</b>	<b>6 ROLLER - DOG BONE</b>	95 VACUUM GLASS LIFTER 12V TWIN SYSTEM 1000KG	79
CONTAINER RAMPS	104 HANDTRUCK	30 ROLLER - PINCH BAR	26 VACUUM GLASS LIFTER 12V TWIN SYSTEM 300KG	79
CONVEYORS - FLEXIBLE	67 HOLE PUNCHES	12 ROOF ANCHOR	88 VACUUM GLASS LIFTER 12V TWIN SYSTEM 600KG	79
CONVEYORS - GRAVITY	67 HORIZONTAL FLOOR PANEL LIFTERS	50 ROOFERS KIT	87 VALVES	8
CONVEYORS - SOIL 240V	67 HORIZONTAL WALL PANEL LIFTERS	50 ROPE POSITIONING DEVICE	87 VERTICAL WALL PANEL LIFTERS	50
COUNTERWEIGHTED SCAFFOLD FRAME	46 HOSES	7 ROTATING BARREL HANDLER	64 <b>WALKIE REACH FORKLIFT</b>	<b>39</b>
CRANE MAN CAGE	46 HYDRAULIC ALIGNMENT TOOL - KIT	17 ROUSTABOUT	45 WHEELIE BIN LIFTER	106
CRAWLER CRANE 2.82 TONNE	40 HYDRAULIC FLANGE SPREADING WEDGE KIT	18 RUBBISH CHUTES	110 WINCH - ELECTRIC	57
CRIMPER - CORDLESS 12 TONNE	98 <b>JACK - HI LIFT / TREWHELLA / WALLABY</b>	<b>21 SAFETY HARNESS</b>	<b>88 WINCH - ELECTRIC</b>	93
CRIMPER - HYDRUALIC 100 TONNE	99 <b>LADDER LIFT</b>	<b>68 SAFETY HARNESS SPREADER</b>	89 WINCH - PNEUMATIC (AIR) 2T/5T	58
CRIMPER HYDRAULIC 25 TONNE	98 LEVER BLOCKS	55 SAFETY LANYARDS (TWIN)	88 WIRE ROPE SLINGS	116
CRIMPER HYDRAULIC 60 TONNE	99 LIFT KEYS LONG	106 SCAFFOLD HOIST - 200KG		
CYLINDERS	7 LIFTING CLUTCH - PANEL EDGES	107 SCBA KITS		

**Note:** Product specifications are correct at time of printing but are subject to change due to arrival of new models and products.

© April 2016 - Kennards Hire® Lift & Shift. All rights reserved. Kennards Hire Pty Ltd ABN 69 001 740 727





# TRANSPORT & SAFETY LEGENDS

Kennards Hire recommends the use of safety equipment at all times. No further liability can be taken.



Hard/Safety hat



Appropriate/Suitable eye protection



Appropriate/Suitable protective mask



Hearing protection



Protective gloves



Safety harness



Suitable protective clothing



Gas monitor required



Operator may require workcover certification



Operator may require calibration certification



Operator may require Australian drivers licence to operate



Heavy use lifting aid



Earth leakage unit



Laser in use



Car



Station wagon



Will tow behind car



Ute



Truck



Will tow behind truck



We'll deliver or use your own truck



Truck with tilt tray

**NEW SOUTH WALES****SILVERWATER**

22 FARIOLA STREET  
SILVERWATER NSW 2128

 **02 9898 3300**

 **02 9898 3311**

 [LSsilverwater@kennards.com.au](mailto:LSsilverwater@kennards.com.au)

**ALEXANDRIA**

5/53 BURROWS ROAD  
ALEXANDRIA NSW 2015

 **02 8594 4100**

 **02 8594 4199**

 [LSalexandria@kennards.com.au](mailto:LSalexandria@kennards.com.au)

**VICTORIA****DANDENONG**

1 PLUNKETT RD  
DANDENONG VIC 3175

 **03 8788 5000**

 **03 8788 5099**

 [LSdandenong@kennards.com.au](mailto:LSdandenong@kennards.com.au)

**ABBOTSFORD**

353-361 JOHNSTON STREET  
ABBOTSFORD VIC 3067

 **03 9429 9299**

 **03 9429 0333**

 [LSabbotsford@kennards.com.au](mailto:LSabbotsford@kennards.com.au)

**SOUTH AUSTRALIA****HINDMARSH**

2 RICHARD STREET  
HINDMARSH SA 5007

 **08 8340 7000**

 **08 8340 7771**

 [LShindmarsh@kennards.com.au](mailto:LShindmarsh@kennards.com.au)

**WESTERN AUSTRALIA****BELMONT**

198 CAMPBELL STREET  
BELMONT WA 6104

 **08 9478 2222**

 **08 9267 1901**

 [LSBelmont@kennards.com.au](mailto:LSBelmont@kennards.com.au)

**QUEENSLAND****ROCKLEA**

59 BALHAM ROAD  
ROCKLEA QLD 4106

 **07 3710 9444**

 **07 3255 5476**

 [LSrocklea@kennards.com.au](mailto:LSrocklea@kennards.com.au)

**TOWNSVILLE**

21 HARTLEY STREET  
GARBUTT QLD 4818

 **07 4728 1773**

 **07 4728 1552**

 [LStownsville@kennards.com.au](mailto:LStownsville@kennards.com.au)

**NORTHERN TERRITORY****WINNELLIE**

402 STUART HWY  
WINNELLIE NT 0820

 **08 8944 3000**

 **08 8947 4055**

 [LSwinnellie@kennards.com.au](mailto:LSwinnellie@kennards.com.au)

**NEW ZEALAND****EAST TAMAKI**

131 HARRIS RD  
EAST TAMAKI 2013

 **09 273 3129**

 **09 298 7900**

 [liftandshiftauckland@kennardshire.co.nz](mailto:liftandshiftauckland@kennardshire.co.nz)

**AUSTRALIA**

**1300 897 419**

[www.kennards.com.au](http://www.kennards.com.au)

**NEW ZEALAND**

**09 273 3129**

[www.kennardshire.co.nz](http://www.kennardshire.co.nz)

**KENNARDS**  
**HIRE**