

REFLEX equip

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MATERIALS HANDLING EQUIPMENT



LIFTING SYSTEMS - CRANES - HOISTS

PRODUCT FINDER

12



industry knowledge ...
with advice you can trust



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VACUUM LIFTING - VACUEASYLIFT

VacuEasylift is a manual vacuum lifting device that handles almost any type of load.

The extremely smooth and quick operation is accomplished by using the same handle to lift, lower and release the load and by using the vacuum to hold and lift the load. Industry, engineering shops, warehouses, distribution terminals, VacuEasyLift makes lifting easy in all conceivable working conditions.

VacuEasyLift makes lifting safer, both for operators and for the products being handled. The VacuEasylift can lift almost anything and is capable of lifting up to 270kgs.



VACUUM LIFTING SACKS & BAGS

Manually handling sacks and bags carries a high risk of injury. This is the reason why lifting bags is one of the top 10 most common applications where the VacuEasylift has been used. The VacuEasylift has been developed to pick up paper, plastic, polywoven and hessian sacks. A wide range of suction feet and extended handles make easy work of palletising and de-palletising in every application.



Manual bag handling is extremely heavy and has therefore become one of the top ten most popular applications with VacuEasylift.

VACUUM LIFTING OF CARTONS

Carton handling is a very common application for the VacuEasylift. Vacuum Lifting not only makes light work of heavy boxes, but also makes easy handling of large oversize cartons. Our vast range of suction feet enable cartons to be picked up from the top, the side or even whilst still open.



VACUUM LIFTING ROLLS, DRUMS & PAILS

VacuEasyLift has been supplied into many industries for handling a wide range of rolls, drums and pails.

Many applications rely on picking products up from the side, rotating them and on many occasions the pick up surface is curved. Many standard units are available as well as the option to have custom built equipment to meet with your exact requirements.

Adjustable and extended operator handles and suction feet ensure ergonomic design and simple to use effective solutions to every application.



VACUUM LIFTING SHEET MATERIALS

VacuEasyLift has been supplied into many industries for handling materials in sheet form.

Weights of up to 270Kg can be lifted and manoeuvred easily and safely. Many applications require two operators to manually lift and/or rotate sheet materials, the VacuEasyLift allows an operator to be able to manage these tasks single handedly. Typical products handled include the lifting and turning of wooden boards, lengths of timber, doors, work surfaces, pallets, plastic and steel sheets, complete windows, glass sheets and many others.



CRANES WORKSTATION - GORBEL

Workstation cranes create safe work cells by providing flexible lifting over a wide area.

Lifting and shifting has never been easier than with Gorbel Workstation Cranes. The unique enclosed track design makes the movement of heavy items three times easier than with traditional I-beams. Gorbel Cranes are reputed for their long life. They are lightweight, easy to install and suitable for high duty cycles.



- ✓ Smooth effortless movement
- ✓ Light weight and easy to install
- ✓ Modular enclosed track system
- ✓ Suitable for high duty cycles

CRANE - BRIDGE (CEILING MOUNTED)

Incorporates two parallel runways along which the bridge can travel. A hoist trolley can travel along the bridge, thus providing full coverage over a rectangular work area. Multiple bridges can be attached to a single workstation with varied capacities according to need.

- ✓ Runway Spans up to 9.1 metres.
- ✓ Bridge Lengths up to 10.3 metres.
- ✓ Capacities from 125kg to 2000kg



Ceiling Mounted Bridge Crane

Free Standing Bridge Crane

CRANE - BRIDGE - FREESTANDING (FLOOR MOUNTED)

Operationally the same as ceiling mounted except that the runways are supported on a freestanding structure.

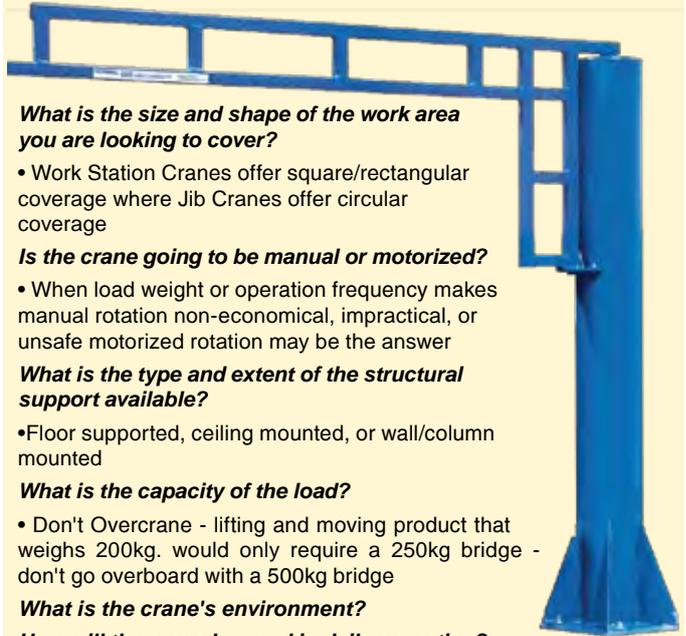
CRANE - MONORAIL

Monorails are the perfect solution when you are looking for true linear movement. They use a single runway, either ceiling mounted or freestanding along which a hoist trolley can travel.

Capacities are available from 75 - 2000 kgs.



How to Select A Crane



What is the size and shape of the work area you are looking to cover?

- Work Station Cranes offer square/rectangular coverage where Jib Cranes offer circular coverage

Is the crane going to be manual or motorized?

- When load weight or operation frequency makes manual rotation non-economical, impractical, or unsafe motorized rotation may be the answer

What is the type and extent of the structural support available?

- Floor supported, ceiling mounted, or wall/column mounted

What is the capacity of the load?

- Don't Overcrane - lifting and moving product that weighs 200kg. would only require a 250kg bridge - don't go overboard with a 500kg bridge

What is the crane's environment?

How will the crane be used in daily operation?

**FOR EXPERT ADVICE ON CRANE SOLUTIONS
CALL REFLEX EQUIP TODAY ON
1300 774 872**

CRANE - JIB - FREESTANDING OR FLOOR MOUNTED

Freestanding and floor mounted Jib Cranes incorporate a vertical mast fixed to the floor and a horizontal boom along which a hoist trolley can travel and rotate 360 degrees about the mast to provide coverage over a circular work area.

Usually bolted directly to existing floor without special foundations



Floor Mounted Jib Crane

Wall Mounted Jib Crane

CRANE - JIB - WALL MOUNTED

Similar to floor mounted, except that the boom rotates on a pivot fixed to the wall of a building. Wall mounted jibs provide coverage over a 200 degree semi-circular work area.

CRANE - JIB - ARTICULATED

Articulating Jib Cranes position loads in places not available to traditional jibs. They provide easy rotation and consistent responsiveness throughout the cranes coverage area. By contrast traditional jib cranes prove difficult to rotate when the load is on the inner half of the boom. Free Standing Articulating Jibs can rotate up to 360° on the primary boom and 330° on the secondary boom. Capacities range from 200kg (max 4.8m span) to 400kg (max 2.4m span)



CRANE - JIB - WORK STATION

Ideal substitutes for heavy I-Beam Jib Cranes. They are designed to service circular areas and support tool balancers, air balancers, vacuum lifters and hoists.

Capacities range from 50 to 500 kg with spans of up to 4.8m



HOIST - G-FORCE™

The worlds best electronic hoist.

G-Force™ is an Intelligent Assist Devices (IAD's). The G-Force™ uses patented technology and an industrial processor controlled drive system to deliver unmatched lifting precision and speed. Available in models from 75 kg up to 600 kg.

Operators can lift and manoeuvre naturally, as if the device were an extension of their own arm. G-Force™ will help improve productivity, reduce product damage, and minimise work-related injuries.



G-Force™ improves productivity



Easy Arm™ Intelligent Lifting Arm

EASY ARM™ INTELLIGENT LIFTING ARM

Your precision lifting applications just got easier, thanks to Easy Arm™ Intelligent Lifting Arm, the newest addition to Gorbels family of G-Force™ Intelligent Assist Devices. Gorbels have incorporated their patented G Force™ lifting technology and processor controlled servo-drive system into an ergonomic articulating jib design.

The Easy Arm™ gives the responsiveness and flexibility of a human operator plus the power of a machine. It incorporates a range of speeds so it is perfect for quick, repetitive motions and slow, precise placements.

ALTRAC SYSTEM

Altrac, is a lightweight, low-maintenance rail system that can be tailored to almost any application including work station cranes, jib cranes and overhead gantry cranes. Manual, electric, pneumatic or vacuum hoists can be attached to Altrac cranes to meet your specific needs. Systems can be rated up to 1000kg SWL



CRANE - GANTRY - FREESTANDING OR ROOF MOUNTED

The Altrac bridge gantry crane system, ideal for full work station coverage, can be mounted standing on the floor or from the roof. The lightweight aluminium structure requires few supports and can be easily mounted to most existing roof structures. Roof mounting a gantry crane also keeps floor space clear for trucks or forklifts while still allowing materials to be moved long distances in any direction.



Ceiling mounted Gantry Crane

CRANE - JIB - FREESTANDING OR WALL MOUNTED

The Altrac Jibs have a smaller scope than the gantry cranes, and can be a useful tool for repetitive work station operation, such as stacking objects on pallets or simply moving them from one fixed point to another.



Jib Crane with Vacuum Lift attachment

CONTACT OUR SALES TEAM TODAY FOR EXPERT ADVICE ON SELECTING THE RIGHT CRANE SYSTEM FOR YOUR APPLICATION



CRANE SPREADER BEAM

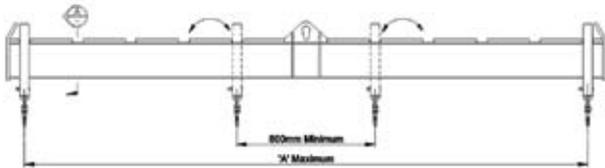
The CSB Crane Spreader Beam is available in a range of capacities and lengths to suit any application. Crane Spreader Beams are supplied standard with 5 lift positions and fitted with 2 safety swivel hooks. The standard finish is painted enamel in 'safety yellow'.



SPECIAL WIDTH AND CAPACITY AVAILABLE ON REQUEST.

CONTACT OUR SALES TEAM FOR EXPERT ADVICE.

Choose the Safe Working Load and Beam length (Dimension 'A') to suit your application.



Code	SWL kg	Dimension "A" mm	Unit Weight kg
EW CSB2X2	2000	2000	70
EW CSB3X3	3000	3000	110
EW CSB5-4M	5000	4000	300
EW CSB10-4M	10,000	4000	480
EW CSB10-7M	10,000	7000	1350

CRANE/FORKLIFT SPREADER BEAM

The type CFM-2439 Spreader Beam is a unique multitasking beam which can be used by crane or forklift to lift long loads. Using a crane, loads can be lifted via the centre single hook point (as a lifting beam), or end lifted using a 2 leg chain sling (as a spreader beam). If lifting by forklift, the 600mm long slipper pockets allow for fast and safe connection.



EW CFM2439

CFB-2439 LOAD CHART

Rated Capacity when used as	Fully Retracted (LC @ 2380mm) kg	Middle Position (LC @ 3140mm) kg	Fully Extended (LC @ 3900mm) kg
FORKLIFT	5600	2900	1400
BEAM	6000	4500	2400
SPREADER	10,000	10,000	10,000

CFL-2439 LOAD CHART

Rated Capacity when used as	Fully Retracted (LC @ 2405mm) kg	Middle Position (LC @ 3165mm) kg	Fully Extended (LC @ 3925mm) kg
FORKLIFT	3500	1500	750
BEAM	4500	2500	1300
SPREADER	9,000	7200	5600

Code	Rated Capacity max kg	Load Centre	Unit Weight kg
EW CFM2439	10,000	3900	260
EW CFL2439	9,000	2405	172

PLATE LIFTING CLAMPS - VERTICAL

The IP10 clamps may be used to lift, turn by 180° and vertically transport steel plates and construction elements.



Code	Model	Rated Capacity kg	Jaw mm
PH CLP014	0.5-IP10	500	0-16
PH CLP012	1-IP10	1000	0-20
PH CLP022	2-IP10	2000	0-35
PH CLP032	3-IP10	3000	0-40

PLATE LIFTING CLAMPS - UNIVERSAL VERTICAL

Based on the IP10 lifting clamp but is equipped with a universal (hinged) hoisting eye, thus making it possible to lift loads from any given direction.



Code	Model	Rated Capacity kg	Jaw mm
PH CLP005	0.5-IPU10	500	0-16
PH CLP010	1-IPU10	1000	0-20
PH CLP020	2-IPU10	2000	0-35
PH CLP030	3-IPU10	3000	0-40

PLATE LIFTING CLAMPS - HORIZONTAL

Are equipped with serrated cam segments - this provides additional safety. Suits non-sagging plate.



Code	Model	Rated Capacity kg	Jaw mm
PH CLP516	2 IPH10E	2000	0-60
PH CLP531	3 IPH10E	3000	0-60
PH CLP536	3 IPH10JE	3000	60-120

SLING - ECONOMY ROUND SYNTHETIC

Synthetic round slings have become an industry standard and offer great flexibility for many applications. Manual handling benefits over chain and wire rope add significantly to workplace safety. Certified to AS.4497



Code	Rated Capacity kg	Sling Length mm	Colour
SS RC1010	1000	1000	Violet
SS RC1020	1000	2000	Violet
SS RC1030	1000	3000	Violet
SS RC2010	2000	1000	Green
SS RC2020	2000	2000	Green
SS RC2030	2000	3000	Green

SLING - FLAT WEBBING

Conforms to Australian Standard AS1353



Code	WLL kg	Width mm	Sling Length mm	Colour
SS FC1020	1000	50	2000	Violet
SS FC1030	1000	50	3000	Violet
SS FC1040	1000	50	4000	Violet
SS FC2020	2000	75	2000	Green
SS FC2030	2000	75	3000	Green
SS FC2040	2000	75	4000	Green

CHAIN BLOCKS

With its small and compact design, this Chain Block boasts a list of exciting new features making it one of the safest and most cost effective chain blocks on the Australian market.

- ✓ Small and compact design
- ✓ 25% less effort required to lift load
- ✓ High strength end stop with secondary end anchor for increased safety
- ✓ "T" type hooks for improved load holding integrity (except 250kg)
- ✓ Gear system design for reduced effort when lifting loads
- ✓ Hand wheel designed to eliminate hand chain slippage and pocket wear
- ✓ Needle bearings and side plate bearings for smoother operation
- ✓ Brake lockout bearing for security of braking mechanism
- ✓ Fitted with high quality European zinc plated Grade 80 load chain
- ✓ No aluminium content ensures suitability for mining applications
- ✓ Customised lift heights are available
- ✓ All models available with a patented Overload Limiting device (except for the 250kg capacity)
- ✓ All Pacific models are manufactured to comply with AS1418.2



Lever Blocks

Superior new design and features, yet still one of the most competitive and cost effective lever blocks on the Australian market.

- ✓ "T" type hooks for improved load holding integrity (except 250kg)
- ✓ Design double pawl safety springs to eliminate sticking
- ✓ Style cast hand wheel for added strength and durability
- ✓ Key internal components are CNC machined before being heat treated and toughened
- ✓ Brake lockout bearing for improved security of braking mechanism
- ✓ Fitted with high quality European zinc plated Grade 80 load chain
- ✓ Overall better design and improved finish to prolong life expectancy
- ✓ No aluminium content ensures suitability for mining applications
- ✓ Overall better design and improved finish to prolong life expectancy
- ✓ All models available with a patented Overload Limiting device (except for the 250kg capacity)
- ✓ All Pacific models are manufactured to comply with AS1418.2
- ✓ Customised lift heights are available



Code	Capacity kg	Lift mm	Headroom mm	Effort to Lift Full Load N
PH PCB301	250	3000	280	190
PH PCB303	500	3000	280	210
PH PCB313	1000	3000	330	285
PH PCB318	1500	3000	360	325
PH PCB323	2000	3000	385	355
PH PCB333	3000	3000	510	340
PH PCB353	5000	3000	615	400

Code	Capacity kg	Lift mm	Headroom mm	Effort to Lift Full Load N
PH PLB302	250	1500	235	115
PH PLB305	500	1500	310	248
PH PLB308	800	1500	340	285
PH PLB316	1600	1500	400	315
PH PLB332	3200	1500	520	360
PH PLB363	6300	1500	640	370

GIRDER CLAMP

Girder Clamps are used to safely suspend chain blocks and chain hoists from Girders (I-beams).

- ✓ Designed to suit a range of girder sizes.
- ✓ Quickly and easily repositioned.
- ✓ Jaws clamp over girder flanges.
- ✓ Also suitable for lifting I-beams.
- ✓ Can be used at up to 45 degree angle, with a 50% reduction in capacity.



Code	Rated Capacity kg	Beam Width Range mm	Net Weight
PH PGC310	1000	70 - 245	3.50
PH PGC320	2000	80 - 245	4.50
PH PGC330	3000	90 - 310	9.50
PH PGC350	5000	90 - 310	11.0
PH PGC390	10000	90 - 320	16.0

GIRDER TROLLEY

Reflex Equip have a wide range of girder trolleys; featuring high quality construction for an economical price. They are available in either a push or geared variety and comply with all relevant Australian Standards.

- ✓ All Pacific girder trolleys are manufactured to comply with AS1418.2.
- ✓ Fully adjustable to suit various beam widths.
- ✓ Fitted with anti-drop plates for improved safety and compliance.
- ✓ High-grade, fully sealed bearings for maintenance free extended life.
- ✓ Available with either push or hand geared travel.



Code	Rated Capacity kg	Pin Config.	Min Radius of curve mm	Net Weight kg	Beam Width Range mm
PH PPT305	500	Single	800	6.5	50 - 152
PH PPT310	1000	Single	1000	10.5	64 - 203
PH PPT320	2000	Single	1100	17.5	88 - 203
PH PPT330	3000	Single	1300	27.0	100 - 203
PH PPT350	5000	Single	1400	41.0	114 - 203

MAGNETIC LIFTERS

A Magnetic Lifter can be used in a variety of industries for the transportation and lifting of steel, engine parts, semi manufactured goods and moulds. Due to its magnetic force there is no need to use slings, clamps, or other holding devices eliminating damage to the surface of lifted goods.

- ✓ The Magnetic Lifter has a breakaway force 3.5 times greater than the working load limit.
- ✓ Weight ranging from 100kg to 6000kg.
- ✓ Safe: No Electricity is needed to operate the Magnetic Lifter. Once operated there is less than 1% residual magnetism.
- ✓ The simple switch and safety button design allows for one handed operation.



Code	Capacity kg	Cylindrical carrying capacity kg	Max. break away force kg	Weight kg
PH MAG010	100	50	350	3
PH MAG030	300	150	1050	10
PH MAG060	600	300	2100	24
PH MAG100	1000	500	3500	50
PH MAG200	2000	800	7000	125
PH MAG300	3000	1200	10500	240
PH MAG600	6000	1800	21000	440

Note: Use of plate with high-carbon content will reduce the absorbability to less than 50% of rated capacity. Use of plate with high carbon content not recommended.

HOIST - PORTA HOIST

Porta Hoists are compact, portable 240 volt single phase Electric Chain Hoists.

Being lightweight, Porta Hoists conveniently fit in their own durable travel case making them the ideal portable solution for safely lifting, lowering and handling loads up to 500kg.

- ✓ All Pacific Porta Hoists are manufactured to comply with AS1418.2.
- ✓ All models suitable for 240 volt, 50 Hz single phase power supply.
- ✓ Available in 80kg, 125kg, 250kg and 500kg capacities.
- ✓ Duty cycle rated at 30% ED with 180 starts per hour
- ✓ 18 volt DC low voltage control for safe operation.
- ✓ IP65 pendant control, dual speeds with variable speed slow control for raise and lower.
- ✓ Overload protection clutch prevents damage caused by overloading.
- ✓ All models are supplied as standard with 6 metre height of lift, a 5 metre pendant control, chain bucket and 3 metre power supply cable.
- ✓ Upper and lower electrical limit switches



Code	Capacity kg	Lift Ht m	Speed m/min	Weight kg
PH PPH080	80	6	0-4.8 - low 18 - high	17.5
PH PPH125	125	6	0-3.2 - low 12.5 - high	17.5
PH PPH240	250	6	0-3.2 - low 12.5 - high	17.5
PH PPH500	500	6	0-1.6 - low 6.3 - high	20.6

HOIST - CHAIN ELECTRIC - 2 SPEED

This range of 2 speed hoists has been carefully selected to meet all Australian and international safety requirements and ensures versatility in any application.

- ✓ All Pacific models are manufactured to comply with AS1418.2.
- ✓ IP65 pendant with 24 volt control for operator safety.
- ✓ Overload protection clutch prevents damage caused by overloading.
- ✓ Inclusive of DC Brake which automatically engages in the event of a power failure.
- ✓ Completely enclosed design to withstand harsh conditions.
- ✓ Upper and lower electrical limit switches.
- ✓ Grade 80 zinc plated load chain supplied as standard.
- ✓ Motor thermal protection on all Pacific Electric Chain Hoists.
- ✓ Fuse protection provided for both primary and secondary control circuits.
- ✓ IP54 protection rating on all electric hoists and trolleys.
- ✓ Reverse phase protection relay on all models excluding 250kg.
- ✓ Optional radio remote control.



Hoist

Optional Motorised Trolley

Code	Capacity kg	Lift Height mm	Lift Speed metre/min	Weight kg
PH PEH025	250	3000	12/3	30
PH PEH050	500	3000	10/2.5	42
PH PEH100	1000	3000	8/2	57
PH PEH200	2000	3000	4/1	62

Motorised Trolley

Code	Capacity kg	Speed m/min	Motor kw
PH PET050	500	10	0.12
PH PET100	1000	10	0.18
PH PET200	2000	10	0.37
PH PET055	500	20/5	0.12/0.03
PH PET105	1000	20/5	0.18/0.04
PH PET205	2000	20/5	0.37/0.09

HOIST - ROPE ELECTRIC

Designed for use on building sites and multi-storey units, compact electric rope hoists are also suitable for a wide range of applications in warehouses, storage areas and factories.

- ✓ Automatic upper limit switch; when rope disc touches the limit arm, hoisting is automatically stopped.
- ✓ Dynamic and mechanical brake providing instant and safe braking.
- ✓ Convenient 240V / single phase power supply.
- ✓ Sensor arm automatically activates lower limit switch to stop motor if rope is under wound.
- ✓ Supplied with 3m power lead and industry plug & 10m heavy duty IP65 waterproof pendant control.
- ✓ Wire rope with 360° weighted hook with safety latch.
- ✓ Optional mounting arm CRH-0710 (not available for CWS-300).
- ✓ Optional push trolley mount CRH-0720 (not available for CWS-300).



Code	Capacity kg	Lift Height m	Lift Speed mm/min	Weight kg
PH CWS80	80	35	30	15
PH CWS160	160	40	22	25
PH CWS230	230	24	14	26
PH CWS300	300	24	13	28