

REAL THE DEAL



*Quality engineered for
a longer life.*

**Major
*lift***

HYDRAULIC
EQUIPMENT

HIGH PERFORMANCE COMMERCIAL JACKS

Majorlift: *The Real Deal*

Majorlift: the real deal

There are plenty of commercial jacks on the market. So how does Majorlift succeed in holding its undisputed number one position – year after year?

There are cheaper products on the market. But for value for money Majorlift is the best.

The reason is: we don't engineer our products down to a price. We engineer them, using the highest grade steel, to a standard. A standard that not only ensures we meet the highest safety requirements but also guarantees that the lift will still be working – reliably and accurately – years into the future.

Majorlift was the first in the industry to offer a three-year warranty. Our products kept on performing past that time so we extended that to five years for the range that we manufacture. And we are still the only manufacturer that builds in that five-year warranty into the purchase price.

That is why we can boldly claim to offer the best value for money over the life of the jack. It's the real deal - and no-one else comes close.

Safety First

The LOLER regulations place a heavy duty of care upon workshop managers. They have to demonstrate that they have taken every step to protect their workforce.

Look around your garage and ask yourself: which tool – if it failed – has the potential to cause most harm to your staff? It's the equipment holding a one, two, perhaps forty tonne vehicle above the heads of your mechanics.

Which is why we have designed our jacks not only to be easy to control but safe to use – standing up to the rigours of the workplace. Rust, for instance, so often responsible for ram failure, has been "designed out" by using a unique coating that counters the effects of salt and water. **Using Majorlift jacks is the safest decision you can make.**

Recognised Quality

Our warranty and safety record are built on experience: our jacks have been out there for years and proven their reliability. But don't just take our word for it. As a manufacturer we've been quality approved to **BS EN ISO 9001:2000** since 1992 and we are an **MOD** registered contractor number KCUQ9.

Customising for our customers

We offer a massive range of products, as you'll see reading this brochure. But even so we are constantly being asked by our customers to provide minor design modifications to meet new or very specific requirements. And because we design and manufacture within the UK, we are pleased to work with you to create a speedy, safe and efficient solution for your requirements.

The start of a great working relationship

Buying a Majorlift means tapping into a dedicated, knowledgeable and highly supportive after sales service.

We offer three levels of service to meet different customers' needs: Breakdown, Replace & Maintain and Remanufacture. Not even a Majorlift will last for ever, and – as you'll discover on page 9 – we have the support structure in place to keep your equipment in tip top condition.



COMPAC

We sell Compac too!

As well as making our own quality range of jacks, Majorlift are also proud to be the sole UK importer of Compac garage equipment, engineered in Denmark since 1946.

Outline details on their specialist range of trolley jacks is given on page 16, but for the full story contact us and we will send you the latest catalogue.



Majorlift have a policy of continual development and improvement and reserve the right to supply products which may differ from those described and illustrated in this publication. Warranty subject to acceptance of Majorlift terms & conditions.

5 year warranty UK & Eire only

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Major
lift

HYDRAULIC
EQUIPMENT

www.majorlift.com

PIT MOUNTED JACKS RATED UP TO 20 TONNES

MPJ12
12-tonne twin ram
air-operated pump

HPJ12
12-tonne twin ram
hand-operated pump

MPJ20
20-tonne twin ram
air-operated pump

HPJ20
20-tonne twin ram
hand-operated pump



TEST LANE SPECIFICATION

Chrome Rams, no locking collar

MPJ13
13-tonne twin ram
air-operated pump

HPJ13
13-tonne twin ram
hand-operated pump

Pressure relief valve
Automatically prevents overloading.

Standard accessories
see page 8

Twin ram operation

Greater operational stability, efficiency and safety. The rams slide transversely, making precise positioning under the vehicle possible, AND they can be used independently or in tandem, allowing one or both sides of the vehicle to be lifted.

Load bearing supports and spring loaded rollers

A long established majorlift design for smooth, easy and safe movement along the pit.

Positive mechanical safety lock
Greatly enhanced operator safety especially against accidental lowering.

Control valves as standard
Precise lowering for optimum safety and working conditions.

Pumps can be either air-powered or hand-operated.

Air-operated gives easy and rapid lift; hand gives easy double action pumping.

Fast, efficient, reliable and safe – these units tackle anything and everything up to 20 tonnes.

Operational features such as a full 305mm lifting stroke, full lateral ram adjustment and a high-safety twin ram system are backed by proven hydraulics and positive mechanical safety locks.

PIT MOUNTED JACK RATED 40 TONNES

MPJ40
40-tonne twin ram
air-operated

Designed for aircraft ground-handling tugs the 40-tonne rated jack offers all the performance and safety features of the 20-tonne range for heavier vehicles such as military vehicles, quarry and mining vehicles and railway vehicles.

For easy wheel handling see page 16.



Two 20-tonne rated rams deliver the lifting power which is controlled through air/hydraulics to provide two lifting speeds, with positive mechanical locking (preventing accidental lowering) for enhanced safety.

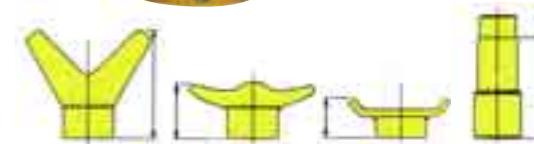
Accessories for 40-tonne pit jack.

4112 V crutch, height 170mm 2 off

4113 Dish crutch, height 75mm 2 off

4114 Chassis crutch, height 80mm 2 off

4115 Extension tube, shoulder height 150mm 2 off



Hand-operated versions

Versions of the 12-tonne and 20-tonne, pit-mounted jacking beam and the 8 to 12 tonne lift mounted jacking beams are available with hand-operated pump. These not only offer a competitively-priced alternative, but prove extremely useful for applications where there is no air supply available.

- For lifting loaded tri-axle trailers, the 20-tonne model must be used.
- Custom-built beams for unusually shaped pits.
- Test certificates supplied with all beams.
- 13-tonne version (with optional spreader beam) manufactured for ministry dedicated HGV and PSV test lanes. Supplied with plain chrome rams without locking collars as standard.
- Majorlift are BS EN ISO 9001:2000 approved.

LIFT MOUNTED JACKS RATED 8 TO 12 TONNES

MPJ8

8-tonne twin ram air-operated pump

HPJ8

8-tonne twin ram hand-operated pump

MPJ12

12-tonne twin ram air-operated pump

HPJ12

12-tonne twin ram hand-operated

These provide fast and proven lifting power in the 8 to 12 tonne category.

Again, lifting performance is allied with the safety features incorporated in the pit-mounted beams. In addition, with so many types of vehicle included in this weight range, the jacks are extremely versatile – with features such as a sliding frame design, allowing the jack's width to safely be adjusted.

- Test certificates supplied with all beams.
- Majorlift are BS EN ISO 9001:2000 approved.



Twin ram operation

Greater operational stability, efficiency and safety. The rams slide transversely, making precise positioning under the vehicle possible, AND they can be used independently or in tandem, allowing one or both sides of the vehicle to be lifted.

Pressure relief valve

Automatically prevents overloading.

Positive mechanical safety lock

Greatly enhanced operator safety especially against accidental lowering.

Load bearing supports and spring loaded rollers

A long established majorlift design for smooth, easy and safe movement along the lift.

Sliding frame design

Majorlift have designed a sliding frame beam with adjustable width for use on lifts with adjustable platforms, this allows servicing of vehicles with different tracks to be accommodated on the same lift.

Pumps can be either air-powered or manually-operated

Air gives easy and rapid lift; hand gives easy double action pumping.

Control valves as standard

Precise lowering for optimum safety and working conditions.

Lift suitability

The flexibility of design of the 8 to 12 tonne range ensures that we can provide a suitable jacking beam without any performance or safety compromises to fit ANY make of four-post or scissor commercial lift, including: Bradbury, Tecalemit, Stertil-Koni, Stenhoj, Laycock, Hofmann, Istobal, Fog, Ravaglioli, Nussbaum, Consul, Rotary and Maha.



Standard accessories see page 8

PIT AND LIFT-MOUNTED 6-TONNE SCISSOR JACKING BEAM

MPJ6

6-tonne scissor air-operated
Fits most lift makes

Specifically designed for lifting light commercial vehicles up to 6 tonnes in weight, with all the features you would expect from a Majorlift product to provide fast, efficient lifting in a wide variety of applications.

Failsafe hose burst velocity valve to prevent accidental lowering of the beam.

Pressure relief valve on every beam to prevent accidental overloading.

Finger guards as standard to comply with European machinery directive and CE marking.

Air-powered pumps to provide easy, precisely controlled lifting.



Mechanical lock, which engages automatically for safe working.

Roller glide arms for easy operation with minimum effort.

For pit and lift applications – minimal width 920mm.



Three types of top-beam lifting pads for enhanced flexibility.

PIT AND LIFT-MOUNTED 4-TONNE SCISSOR JACKING BEAM

MPJ4

4-tonne scissor air-operated

HPJ4

4-tonne scissor lift

hand-operated

Both fit most lift makes

Introducing Majorlift's latest model: a 4 tonne capacity unit with double extending top beam that is purpose-designed for the heavyweight 4x4s. It has the capacity and with an optional 180mm extension tube, the reach to cope with these high axle vehicles.

Safety features as 6-tonne above, minimum width 830mm.



Making your operation quicker, safer and more efficient



Optional diff beam

Allows use of both rams to lift maximum loads at one point. Safe working load 20 tonnes.
Part no 4500



Optional double extension top beam

Makes jacking beam suitable for servicing of cars and light vehicles and Class 4 and Class 7 MOT testing.
Part no 4600



Spreader beam

This optional accessory is designed to accommodate vehicles with independent front suspensions – particularly buses and coaches.

Another popular application is when springs need to be changed: the vehicle can be jacked on the chassis leaving the axle on the ground.

The spreader beam also enables you to reach jacking points beyond the width of your pit.

This accessory is available in three sizes, enabling it to comfortably fit almost all pit widths and is rated up to 10 tonnes SWL. Shown top with 450mm extension tubes and below with a lift-mounted jacking beam.

- 4250 spreader beam 830mm (31") min pit width
- 4450 spreader beam 1070mm (42") min pit width
- 4350 spreader beam 940mm (36") min pit width



Replacement parts

Most spare parts will be dispatched within 24 hours. Please quote jacking beam serial number when ordering.

All spare parts for Majorlift products can be viewed on the web-site.

www.majorlift.com



2627 coiled airline 10m



Supplied as standard

(excluding scissor jacking beams)

Each commercial pit jack and commercial lift mounted jacking beam is supplied complete with a full set of slip-on adaptors to assist in jacking axles, diffs and chassis etc.

Available from stock as replacements.



- 4101 V head Height 165mm 2 off
- 4102 Dished head Height 89mm 2 off
- 4103 Chassis head Height 54mm 2 off
- 4105 Extension tube shoulder Height 152mm 2 off



2625 Handles



2626 Accessory rack

All new jacking beams now fitted as standard with handles and accessory rack. These can be retrofitted to your existing beam or the accessory rack can be wall mounted.

Optional extras

- 4107 Extension tube shoulder height 450mm (18")
- 4106 Extension tube shoulder height 250mm (10")
- 4104 Extension tube shoulder height 100mm (4")
- 4109 Ram end protector



Duty of care: you can't ignore it

Meet your **LOLER** obligations - and minimise downtime - with one of these three Majorlift service packages.

Your Majorlift service exchange options

BREAKDOWN

If key components break down or start to under perform, such as a ram or power pack, we can provide a rapid replacement service. Call us and we will despatch a reconditioned service exchange unit (certificated and guaranteed for a year) to replace yours. Smaller working parts - such as rollers, control valves or seals, also can be despatched for you to fit.



REPLACE AND MAINTAIN

The parts that work hardest on a jack are the power pack and rams. Regular preventative maintenance can not only ensure vital equipment never lets you down; it will also help you fulfil your obligations under the **LOLER** regulations.

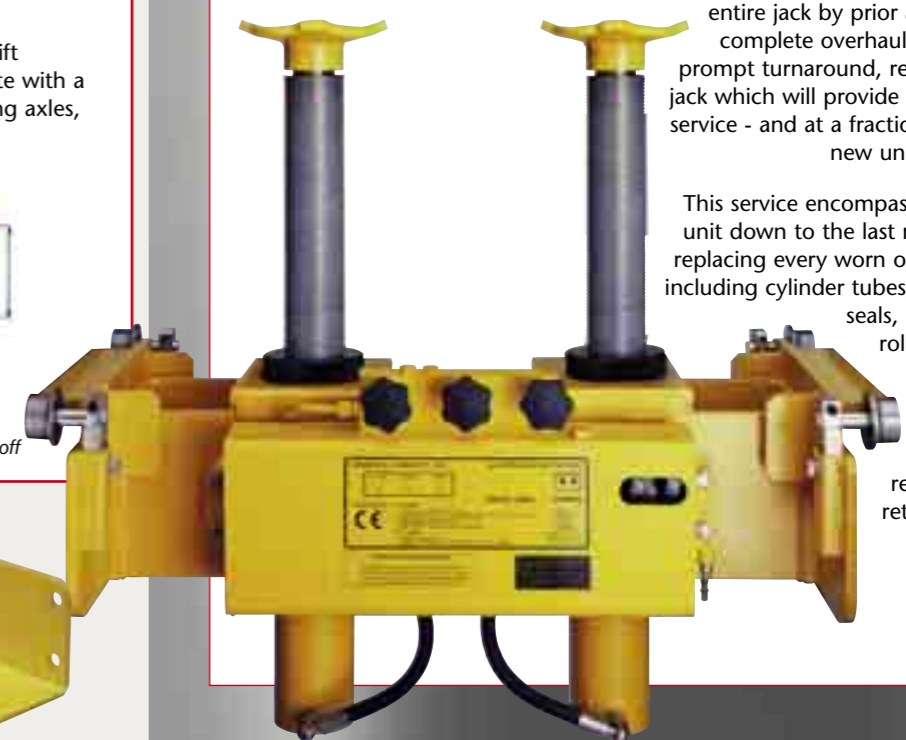
This service allows you to replace these parts regularly, depending on their workload, in return for remanufactured units that have been load and pressure tested and re-certificated for a full year's service. There's no down time, you can budget in advance and replace the components at your convenience.



REMANUFACTURE

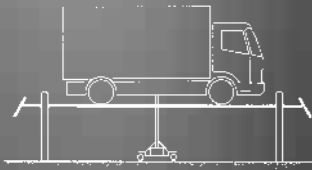
For jacks that see very heavy usage, or when they have been in service for some considerable time, customers can send their entire jack by prior arrangement for a complete overhaul. We guarantee a prompt turnaround, returning to you a jack which will provide many more years' service - and at a fraction of the cost of a new unit.

This service encompasses stripping the unit down to the last nut and bolt and replacing every worn or damaged part - including cylinder tubes, air pump, hoses, seals, motor, rams and roller assembly. The metalwork is sandblasted and resprayed. The entire unit is then re-certificated and returned with a one year warranty.



VERTICAL TRANSMISSION JACK
VTJ1000

This unit is designed specifically to provide safe, rapid removal and replacement of heavy transmissions. Easy and safe to use by just one mechanic, the unit's low minimum height (1155mm) and unusually high extended height (2100mm) increase the unit's flexibility. Stability comes from its wide base spread over four legs.



Two way tilt adaptor

The lifting adaptor can easily be adjusted into a precise position when removing most types of transmission.



- Load test certificate – supplied with each unit.
- CE markings – conform to EC directives.
- Capacity 1000kg.
- Full specification available on request.

Triple extension ram with chrome piston

Provides up to 945mm of stroke.

Manual hydraulic double acting power pack

Proven on other Majorlift equipment, this allows units of up to **1000kg** to be removed with a smooth, safe and highly controllable application of power.

COMPAC

TRANSMISSION JACKS

TJ325
TJ525

Light Duty

For the ultimate in safety, the **325kg** or **525kg** capacity transmission jacks are perfect for many undercar jobs. A wide wheel base, large wheels and a spring loaded release all mean that the jack maintains a stable position under lift and during transport. An adaptable head allows for a variety of jobs to be undertaken safely. All jacks come with a saddle and rubber cushion for a non-slip grip of loads, and to prevent damage.

TJ 325
Capacity 325kg
min height 1170mm
max height 2020mm

TJ 525
Capacity 525kg
min height 1170mm
max height 2020mm

Because this product is distributed rather than manufactured by Majorlift, no factory remanufactured replacement is available.

Compac products carry a full 3year warranty

PIT TRANSMISSION JACK
PTJ1000

If there's an easier, safer and quicker way to remove gearboxes, diffs and propshafts, we'd like to hear about it. Roll along, remove, roll back, replace. The PTJ1000, rated up to 1000kg, custom built to suit your pit, to tilt, turn and manoeuvre heavy transmissions to pin-point accuracy.

- Load test certificate – supplied with each unit.
- CE markings – conform to EC directives.
- Capacity 1000kg.

Two way tilt adaptor

The lifting adaptor can easily be adjusted into a precise position when removing most types of transmission.



Rollers, fitted with needle bearings

Smooth, virtually effortless running along the pit rails – even when load bearing.

Triple extension ram with chrome piston

Provides up to 945mm of stroke

Manual hydraulic double acting power pack

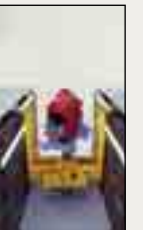
Proven on other Majorlift equipment, this allows units of up to **1000kg** to be removed with a smooth, safe and highly controllable application of power.

PIT TRANSMISSION JACK
VTJ1000P

A pit version of our Vertical Transmission Jack. Wheels are situated at each corner of a rectangular base rather than diagonally otherwise specification is as VTJ1000. This gives increased stability when running along a pit floor and is suitable for pits of 800mm minimum width.



The jack is pushed along the pit underneath the gearbox. The lifting adaptor is easily located into a precise position using the tilt and turn controls.



The diff or gearbox is lowered and rolled back along the pit. It can now be easily lifted away.



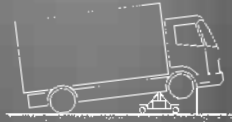
The repaired or new unit is then rolled back along the pit and raised into the exact position – the whole procedure can be safely handled by one person.



The evolutionary new FTJ1000 Low clearance floor transmission jack

Significant enhancements to the specification of this product have been made since Majorlift acquired it in 2001. The FTJ1000 has all the qualities you expect from a Majorlift product: it is robust, reliable and safe to use. It also incorporates some very neat design features which make it a must in every garage where there is no available pit, or where there is a low roof clearance.

Safe to use and easy to position accurately, it is particularly well suited to the removal and fitting of transmissions.



A versatile and indispensable tool when removing or fitting prop shafts, diffs, wheel drums and hubs.

Two way tilt facility

The adjustable lifting head tilts through a 70 degree arc, enabling precise positioning and safe manoeuvrability by just one operator when removing and fitting most types of transmission.



Easy access pump handle

Turning through a complete 360 degree arc, and operable by just one mechanic, makes height adjustment on the FTJ1000 simple.

Heavyweight power lifting

The unit will support a weight of 1 tonne on any of the four load points.

Heavy duty wheels

The large diameter wheels spread the load over a wide area, making manoeuvrability of the jack easy - even when supporting a heavy weight or when transporting loads over uneven surfaces.

TRANSMISSION JACK ADAPTOR PLATES

9512

Universal adaptor

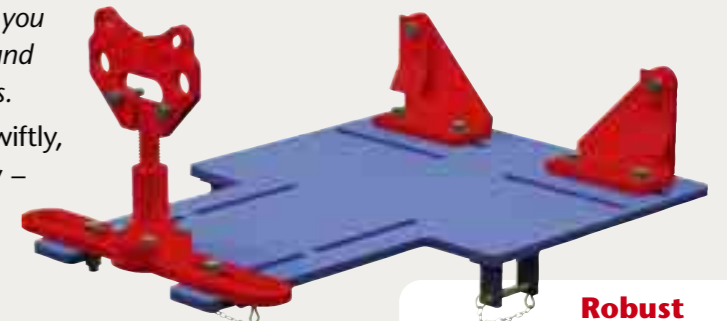
Our Universal Adaptor Plate can readily be adjusted to provide precise positioning for a wide range of vehicles.



Manoeuvring heavy gearboxes and transmissions is time consuming and – potentially – hazardous.

Which is why Majorlift have developed their unique range of drive-line adaptor plates for transmission jacks. Each plate is designed to provide the perfect fit for the transmission you are working on. No fudging with pieces of wood; no compromises on safety. And, above all, Majorlift transmission plates will significantly reduce the time you take to disconnect, remove and then reposition transmissions.

They enable you to work swiftly, safely and – just as critically – precisely, preventing the perennial problems of alignment.



9512
Universal adaptor

Infinite adjustability

Provided by moveable length and width settings. The unit can be accurately positioned and secured for most applications.

Robust construction

With a weight-bearing capacity of 1000kg, this unit can safely handle heavy vehicle gear boxes and differentials.

Stock range

We offer adaptor plates for different makes of DAFs, Landrover, Shoguns, Voith, Scania, Volvo, ZFs straight out of stock.



9524
Brake drum hub adaptor
9524A converts **9512** to **9524**



9517
Volvo FM7/FM12 adaptor
9517A converts **9512** to **9517**



9513
DAF 75/85, Rigid vehicle
(avoids removal of X member)



9521
ZF Eco lite/mid/split adaptor



9522
Shogun adaptor



9514
Landrover Defender adaptor



9516
Voith and ZF auto bus adaptor



9523
Scania universal adaptor pre 2007
9523A converts **9512** to **9523**



9525
Scania GRS 905 gearbox adaptor
9525A converts **9512** to **9525**



9526
B12M Volvo Coach, ZF & retarder
9526A converts **9512** to **9526**

Custom-designed

And if you want a new plate designed and made, we'll create one for you rapidly, harnessing our CAD CAM facilities.



SPECIALS



Majorlift has considerable experience in assisting customers to meet specific requirements and resolve technical issues.

As an example, Majorlift were asked by Siemens new train maintenance depot to provide a solution to under-frame equipment handling in their existing 'bogie drops' for Class 185 diesel trains.

Utilising their standard rams, cylinders and controls, Majorlift were able to design and manufacture a unit that could sit in the bogie drop and manipulate engines, gearboxes, cooler and fuel tanks with precision and speed.

If you have a requirement that standard jacks cannot meet. Talk to us. We'll be delighted to deliver a solution.



All Majorlift specials carry a full one year warranty

LOW ENTRY HYDRAULIC JACK

MTJ135-8
135mm entry up to 315mm lift

The MTJ135-8 hydraulic jack has been designed specifically for garages and vehicle operators who maintain and repair modern, low access buses and coaches.

It's high on lifting power, low on access height.

The MTJ135-8 will go where conventional jacks won't – under the skirts of modern, low-axle vehicles – providing secure power to take 8 tonnes up to 315mm for safe and convenient access.

Three-positional handle

Can be stowed in the vertical position while in use: a major health and safety benefit.

It can also be kept in the horizontal position while in use to allow deeper access beneath the vehicle.

The mid-position is designed for convenient and comfortable manoeuvring.

Three-stage ram

Allows entry from just 135mm. Hydraulics raise the ram to the desired height – up to 315mm – and the controlled powered-down operation guarantees maximum safety while the vehicle is lowered.

The inside story

The power, accuracy and control of the MTJ135-8 derives from the unit's well-proven air motor – as fitted to all Majorlift air-operated commercial pit jacks.



Supplied with 45mm and 90mm extensions as standard.



DIMENSIONS	
Body length	950mm
Body width	155mm
Handle length	1430mm
Weight	58kg
Ram height closed	135mm
Ram height fully extended	315mm
Stroke	180mm
OPTIONAL EXTRA	
Long reach handle length	1995mm

PIT SURVEY INFORMATION

The information requested on this form is required to enable Majorlift to supply a pit jack to you.

A printable copy can be found online at www.majorlift.com

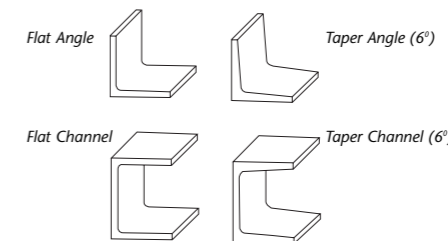
Your pit jack will fit into your pit and be operational within minutes of being delivered. It will not foul on lights, air pipes or electricity supply. With your help we will get it right first time. This information must be faxed or posted as confirmation.

PIT JACKS RATED UP TO 40 TONNES

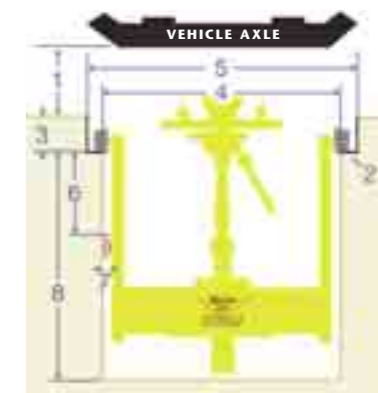


Minimum distance between ram centres: 180mm
Height from rams to rails: 426mm
Height from rails to top of locking collar: 70mm

Pit edge profiles



PIT TRANSMISSION JACKS PTJ1000



- Minimum axle to ground clearance (*Lowest vehicle in your fleet*) if less than 50mm.
- Does your pit have angle or channel sections? *Please tick one box.* Angle Channel
- Is the surface where the wheels will run flat or tapered? *Please tick one box.* Flat Tapered
- Measurement of the depth of angle or channel section from the workshop floor.
- Width of pit – check this along the length of your pit between pit rails, at 1 metre intervals.
Narrowest _____ Widest _____
- Width inside vertical flanges of the pit rails, at 1 metre intervals.
Narrowest _____ Widest _____
- Distance to the top of any lights, air or electricity supply that intrude into the pit. (*Left is your left when facing the operating controls of a pit jack.*)
Left side _____ Right side _____
- Distance from pit wall that any lights, air or electricity supply intrudes into the pit. (*Left is your left when facing the operating controls of a pit jack.*)
Left side _____ Right side _____
- Depth of pit. Applicable to PTJ1000 only.

Please advise of any other information on the pit construction not mentioned above that you think is relevant.

If you have any questions on the measurements required please contact our Sales or Technical Departments on 01454 292401 or 292400.

COMPAC

Majorlift are sole importers of Compac equipment and offer competitive prices on all Compac products



Standard Wheel Trolley WD800

Robust and operable by just one person. The Majorlift wheel trolley is the perfect answer to moving large, heavy wheels up to 800kg safely around the garage, and then presenting them to the axles with ease and precision.



300mm ram stroke

Enables wheels to be lifted to comfortable operating height. Lifting is achieved using a hand or foot operated hydraulic pump

Spring-loaded release with dead-man control and overload protection Enhanced operator safety

Adjustable lifting arm Lockable in three positions for medium and large wheels

Split roller mechanism Allows each wheel to be rotated separately for alignment and positioning onto the studs

Side ram position Gives clear access to the wheel studs

Large diameter Wheel Trolley WD1500



Easy and safe mounting, demounting and handling of large wheels on agricultural and earth moving machinery.

Lifting capacity **1500kg**, capable of handling large wheels from **1m** to up to **2m** in diameter and up to **1m** in depth

Double acting hydraulic system Enables hands-free switch between lifting and lowering action. Safe and controlled lowering

2 x 4 large rollers Improves handling of tyres with deep treads

Top-point wheel connection red Keeps the tyre in safe balance



Cranes

500 to 1500kg



DISTRIBUTOR

Bottle Jacks

2 to 50 tonne

Presses

15 to 100 tonne

Axle Stands

1.5 to 12 tonne

Pallet Truck

2.5 tonne



Trolley Jacks

Short Chassis 1.5 and 2 tonne

Standard 3, 4, 5, 6, 10, 15, 18 and 20 tonne

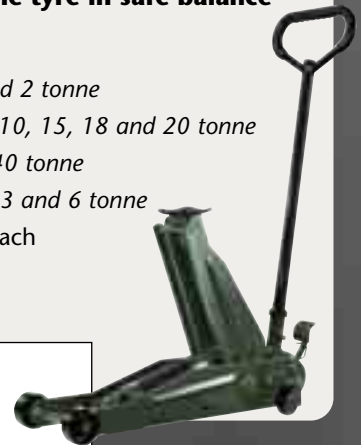
Air Hydraulic 20 to 40 tonne

High Lift 1.5 to 2.5, 3 and 6 tonne

Flat Chassis Long Reach

2 tonne

Fork Lift 4 tonne



Major lift

HYDRAULIC EQUIPMENT



BS EN ISO 9001:2000
Certificate No FM 22284



All products conform to
European Union Directives
on CE Markings

