



# EQUIPMENT & ENGINEERING INC

DESIGNERS - CONSULTANTS - MANUFACTURERS OF IN-GROUND AND ABOVE GROUND LIFTS

1240 Osprey Drive Ancaster Ontario L9G-4V5

Toll Free: (888)-465-0755

Tel: (905)-648-7797

Fax: (905)-648-7186



## Heavy Duty Truck & Bus Lifts

AXLE ENGAGING, HIGH & LOW PRESSURE  
VARIABLE WHEELBASE LIFTS

Fully electrical/ hydraulic pump operated system which is able to lift vehicles of varying sizes. (trucks, buses, R/V's etc.). With our two differing model types of either a two or three post adjustable lifts you can easily size up the pick up points to adjust to each axle. The adjustable post(s) will make, your shop more versatile.

With adjustable support saddles on each superstructure on each post you can lift on most any axle type. With no obstructions around the lift you are able to reach everything quickly and easily and get the vehicles back on the road quickly and efficiently.



Latest high pressure installation  
of a bus hoist at **Toronto Transit**  
**Commission** facilities.

# Controls

## High Pressure with Pedestal Controls

All operating control valves are of the dead-man type, returning to the closed position when released. The standard location for controls is at floor level to the right side (passenger side) to allow the operator to visually check positioning of the superstructures and adaptors to the contact points of the vehicle to be raised. Wall-mounted controls and control console are available as optional extras.



# Power Spotting

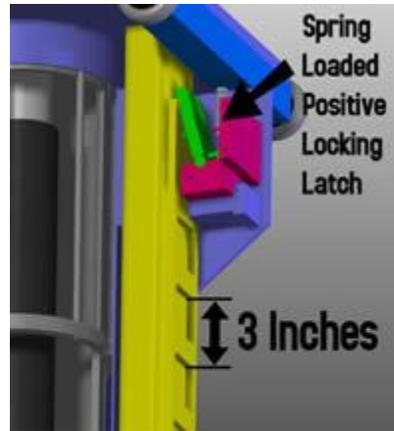
They're fast, simple and completely reliable. Standard movement is made with a simple chain and ratchet assembly under the floor plate.

1. "Z" hydraulic motor chain drive
2. "ZA" air motor chain drive



# Locking Legs

Supplied, capable of sustaining the lifting capacity of each post and are available in Multiposition leg only "X" Automatic latch engagement at 3 inch increments over the full rise of the piston. Disengagement for lowering is controlled by pneumatic push-button valve at the control box or electric push button on a pendant control.



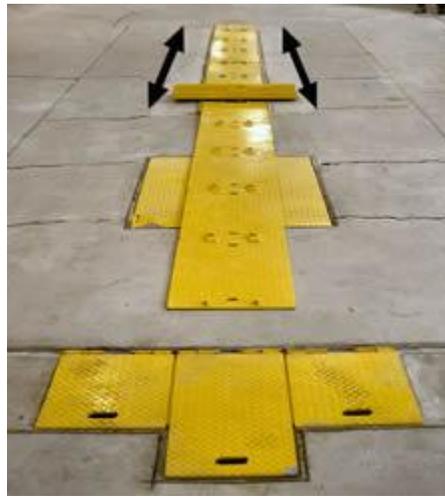
# Super-Structures

Are designed to pick up most buses and trucks. Special adaptors can be supplied to suit customers' requirements.



# Wheelbase Range

The standard range of adjustment is 102" (2951 mm), additional range available in equal increments of 12" (305 mm)



# Standard Equipment

Equipment supplied is the front pit frame, (centre pit frame if ordered) rear pit form and control box frames with covers, cylinder assemblies with hard chrome-plated piston and corrosion protected casings, locking legs, flexible front hose, control valves, oil reservoir with electric power unit.



# Available Options

- Remote control console
- Wall-mounted controls
- Recessed front superstructure (one opening)
- Retractable sliding covers
- Locking legs
- Power spotting



# Power Units

## Low Pressure (350 psi)

Can be supplied to operate one to five lifts. Power units consist of one or more positive displacement pumps coupled to one or more electric motors with suction filter, relief valve and pressure gauge all factory mounted on an oil reservoir of sufficient G.P.M., PSI and capacity to raise the lifts.



# Heavy Duty High Pressure Bus and Truck Lifts

PKS HAS TAKEN THE NEXT STEP FORWARD TO BRING YOU OUR  
ENVIRONMENTALLY FRIENDLY *HIGH PRESSURE* LIFTS

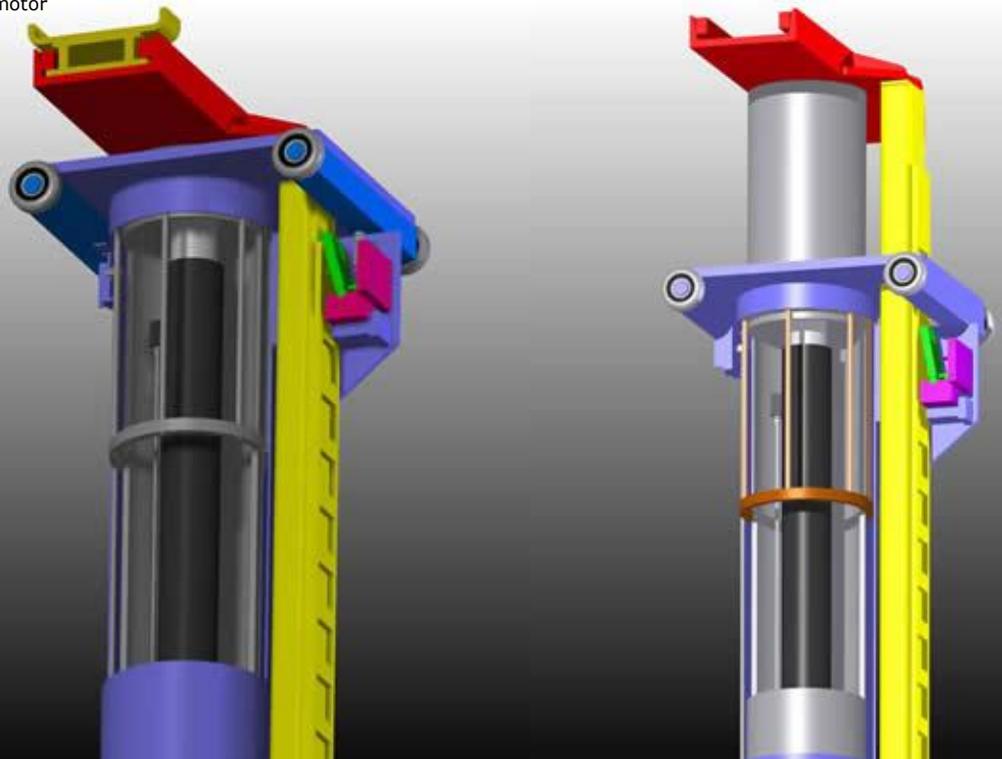


## STANDARD FEATURES

- Multiposition locking leg
- Air driven adjustment allows front post positioning for various wheelbase
- Auto-parking home position
- Dual pendant control for easy spotting by one man
- Chrome pistons both structural and high pressure
- Power unit high pressure, low volume
- PLC control panels
- Fiberglass coating on piston casings

## OPTIONAL

- Shutter plate trench covers
- In pit power unit complete with explosion proof motor
- Recessed front post
- Stroke limiter
- Galvanized coating on piston casings
- Continuous pit

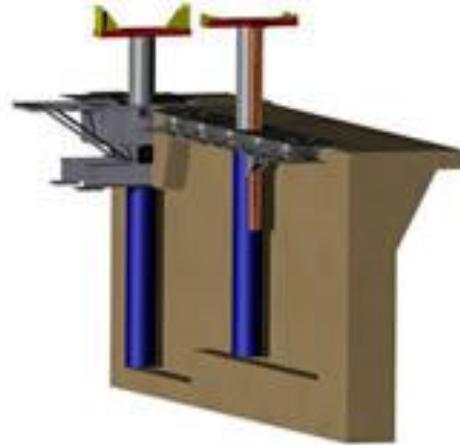


# Low Pressure

(350psi Working Pressure)

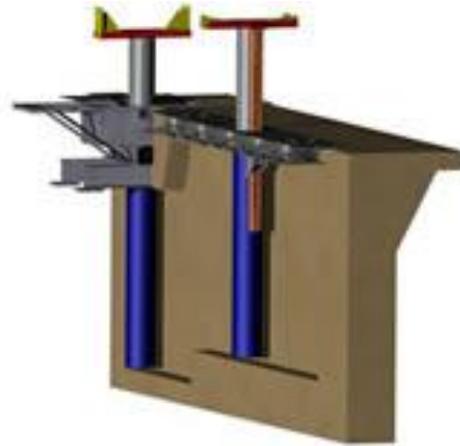
## MCZC210LPEQ (50,000lbs Capacity)

- 10 5/8" front movable post. (25K Capacity)
- 10 5/8" Rear fixed and recessed post. (25K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



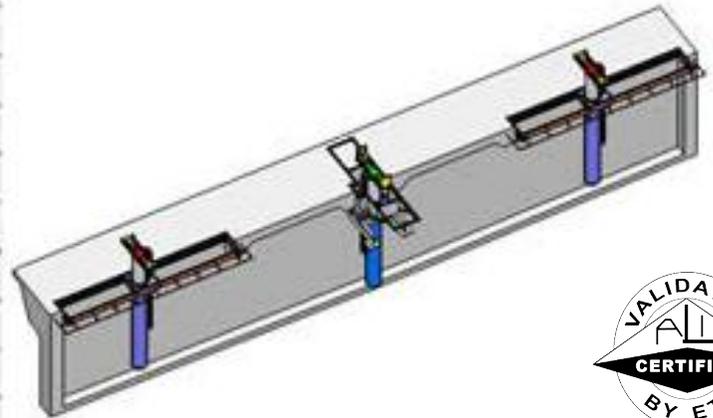
## MCZC28-210LPEQ (56,000lbs Capacity)

- 10 5/8" front movable post. (28K Capacity)
- 10 5/8" Rear fixed and recessed post. (28K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



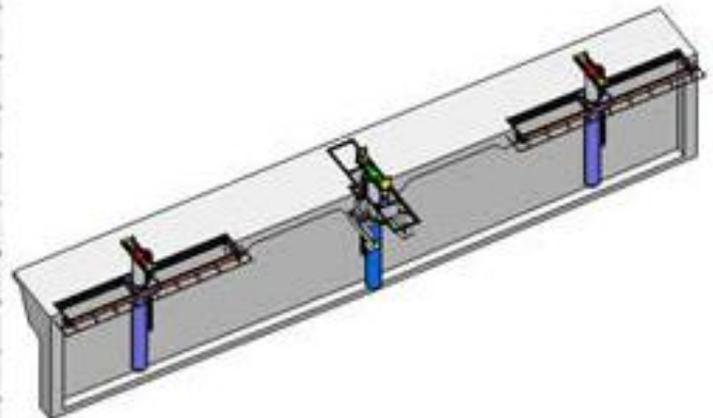
## 2MCZC310LPEQ (75,000 lbs Capacity)

- Two 10 5/8" movable posts (25K Capacity ea.)
- One 10 5/8" fixed and recessed post. (25K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



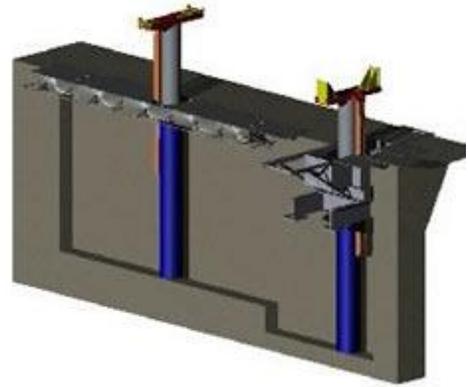
## 2MCZC28-310LPEQ (84,000 lbs Capacity)

- Two 10 5/8" movable posts (28K Capacity ea.)
- One 10 5/8" fixed and recessed post. (28K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



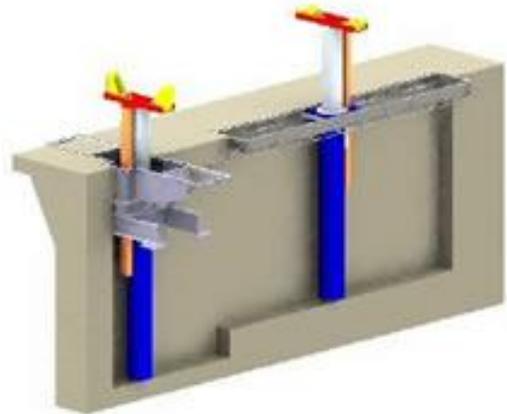
**MCZC1012LPEQ**  
**(60,000 lbs Capacity)**

- One 10 5/8" movable posts (25K Capacity)
- One 12 5/8" fixed and recessed post. (35K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



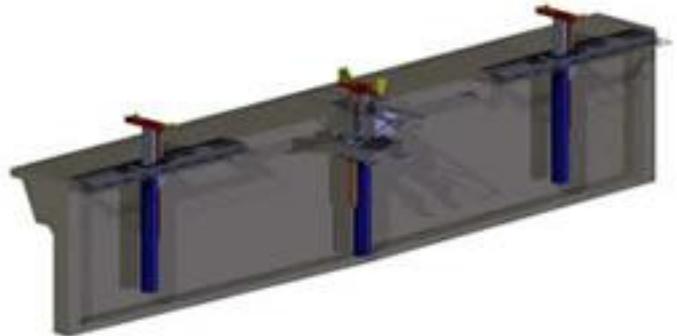
**MCZC212LPEQ**  
**(70,000 lbs Capacity)**

- One 12 5/8" movable posts (35K Capacity)
- One 12 5/8" fixed and recessed post. (35K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



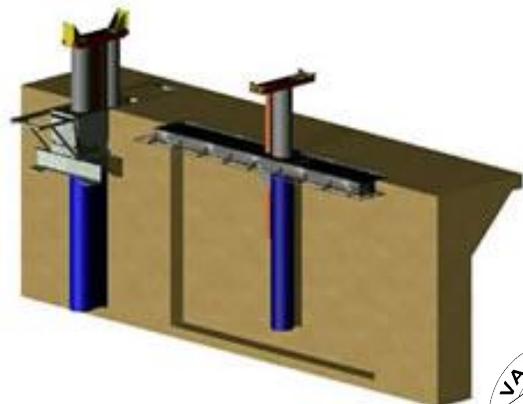
**2MCZC312LPEQ**  
**(105,000 lbs Capacity)**

- Two 12 5/8" movable posts (35K Capacity ea.)
- One 12 5/8" fixed and recessed post. (35K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



**MCZC310LPEQ**  
**(75,000 lbs Capacity)**

- One 10 5/8" movable posts (25K Capacity)
- Dual 10 5/8" fixed and recessed post. (50K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



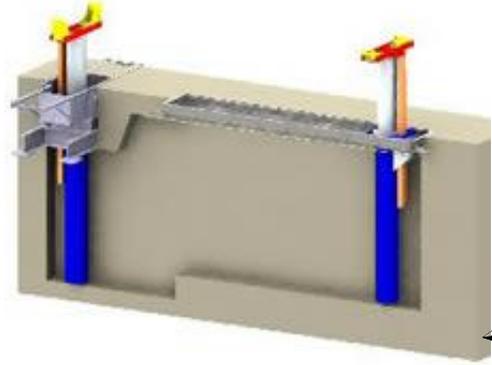
# High Pressure

(3000psi Working Pressure)

## MCZC210HP

(50,000 lbs Capacity)

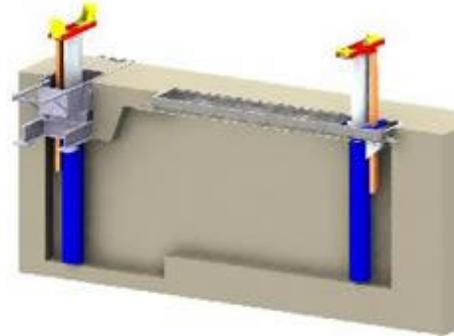
- One 10 5/8" movable posts (25K Capacity)
- One 10 5/8" fixed and recessed post. (25K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



## MCZC28-210HP

(56,000 lbs Capacity)

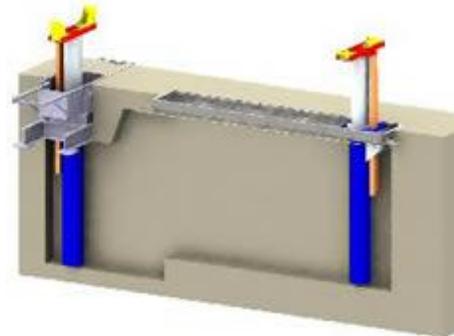
- One 10 5/8" movable posts (28K Capacity)
- One 10 5/8" fixed and recessed post. (28K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



## MCZC32-210HP

(64,000 lbs Capacity)

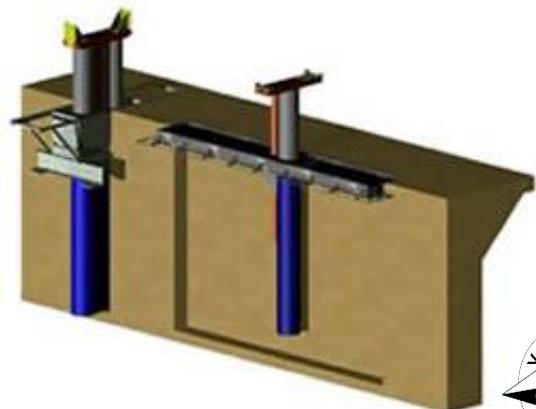
- One 10 5/8" movable posts (32K Capacity)
- One 10 5/8" fixed and recessed post. (32K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



## MCZC310HP

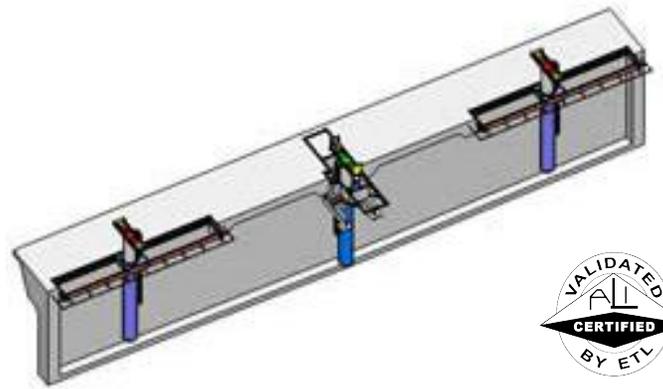
(75,000 lbs Capacity)

- One 10 5/8" movable posts (25K Capacity)
- Dual 10 5/8" fixed and recessed post. (50K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



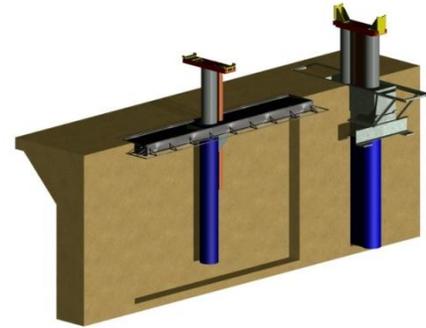
**2MCZC310HP**  
**(75,000 lbs Capacity)**

- Two 10 5/8" movable posts (25K Capacity)
- One 10 5/8" fixed and recessed post. (25K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



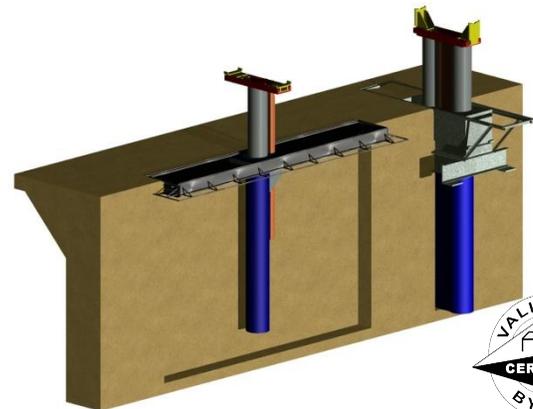
**MCZC28-310HP**  
**(84,000 lbs Capacity)**

- One 10 5/8" movable posts (28K Capacity)
- Dual 10 5/8" fixed and recessed post. (56K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



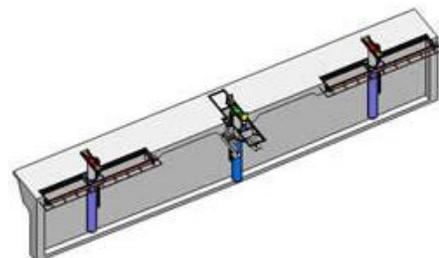
**MCZC32-310HP**  
**(96,000 lbs Capacity)**

- One 10 5/8" movable posts (32K Capacity)
- Dual 10 5/8" fixed and recessed post. (64K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



**2MCZC28-310HP**  
**(84,000 lbs Capacity)**

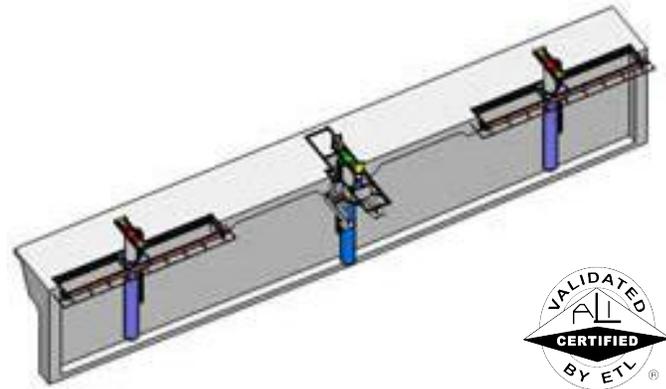
- Two 10 5/8" movable posts (28K Capacity ea.)
- One 10 5/8" fixed and recessed post. (28K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



## 2MCZC32-310HP

(96,000 lbs Capacity)

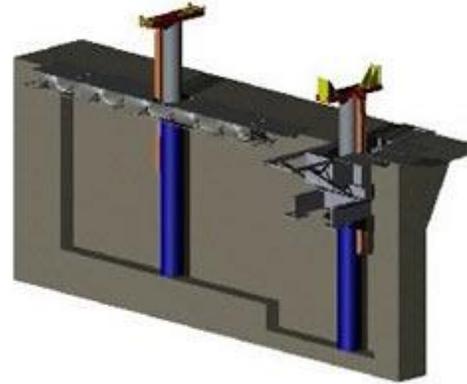
- Two 10 5/8" movable posts (32K Capacity ea.)
- One 10 5/8" fixed and recessed post. (32K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



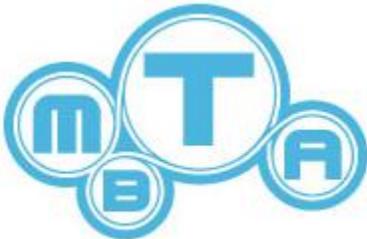
## MCZC1012HP

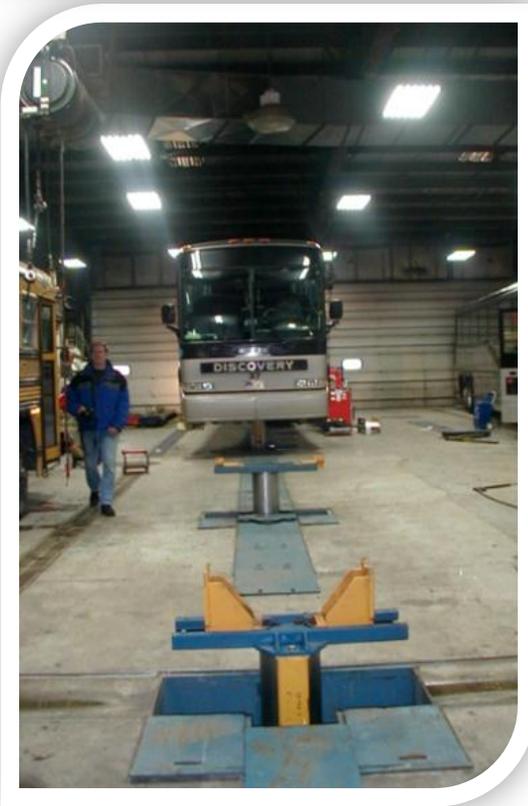
(72,000 lbs Capacity)

- One 10 5/8" movable posts (32K Capacity)
- One 12 5/8" fixed and recessed post. (40K Capacity)
- Adjustable pick up adapters
- Double chain hydraulic spotting system
- 3/8" Thick cover plates
- Locking leg with automatic air latch system
- Front frame made from 7/8" thick mast channel.
- Chrome plated pistons
- Fibreglass coated cylinder casings
- Low profile saddle



*Some of our customers include:*





**PKS**

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