

# Operating Instructions & Safety Manual



# Hydraulic Bottle Jack

**Rated Capacities  
2 through to 20 tonnes**

**Note: Operator must read and fully understand the operating instructions before using this product.**

Products supplied comply with the essential health & safety requirements of the Machinery Directive 2006/42/EC, the Supply of Machinery (Safety) Regulations 2008 and the Health & Safety at Work etc Act 1974 section 6.

We have a policy of progressive development of products and reserve the right to alter, without notice, the specifications shown within this manual.



# Safety Information

All of the information reported herein is based on data available at the time of publishing. We reserve the right to modify the products at any time without notice. Please verify with us for possible updates.

## GENERAL

The Bottle Jacks work in accordance with the hydraulic principle. They are compact, light & portable. They are widely used in the automobile and agricultural industry.

### CAUTION

Hydraulic Bottle Jacks are only suitable for vertical lifting jobs.

Hydraulic Bottle Jacks should not be used in places where acid, alkali or other corrosive gases exist.

## TEMPERATURE USAGE

The range of temperature at which the Hydraulic Bottle Jacks can be used is from -20°C to +50°C.

## SAFETY INFORMATION

- Never exceed the Jacks rated load capacity.
- The Jacks base should always rest on a firm, level surface.
- Never work under the lifted load without additional support means.
- Never operate the Jack in an angular or horizontal position, vertical use only.
- There must be full contact between the Jacks saddle and the object to be lifted.
- When several Jacks are used together, the raising speed should be coincident with each other and the weight distribution should be balanced evenly across each Jack to avoid the danger of toppling.
- Ensure the Vehicle is fully secure from moving.
- Apply the Jack at the points indicated by the vehicle manufacturer.
- Apply the Jack in such a way that it is not necessary to reach under the vehicle in order to operate the jack.

### WARNING

The pressure relief valve adjustment has been set by the factory.

**DO NOT ADJUST IT.**

## OPERATING INSTRUCTIONS

### TO RAISE

- Turn the delivery valve clockwise until it is firmly closed before pumping.
- Position the Jack under the load and turn the extension saddle until solid contact with the load to be lifted.
- Operate the Jack handle until the saddle contacts the load.
- Once again check to see that the saddle is correctly positioned.
- Raise the load to the desired height and then transfer the load to the vehicle support stands.

### TO LOWER

- Raise the Jack to remove vehicle support stands.
- Turn the delivery valve slowly counter-clockwise approximately 1/2 to 1 turn. If the piston is still extended, push the piston down manually so that the piston is not left exposed to the air thereby reducing exposure to rusting.

# Maintenance

## MAINTENANCE PROCEDURES

- The oil type is N15(GB443-84) for -5°C to +55°C, 7# (GB442-64) for -20°C to -50°C.
- Do not use any fluid other than good grade hydraulic oil.
- Improper fluid can cause serious internal damage to the Jack.

### TO ADD OIL

Push ram down fully. Remove rubber plug from reservoir and fill oil to plug hole.

### TO CHANGE OIL

It is recommended that the oil be replaced at least once per year for maximum life. To drain the oil, remove the filler plug, lay the jack on it's side and allow the oil to run out into a drain pan.

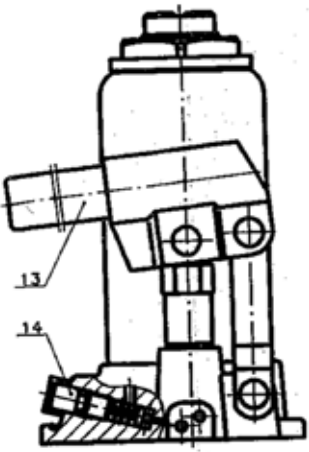
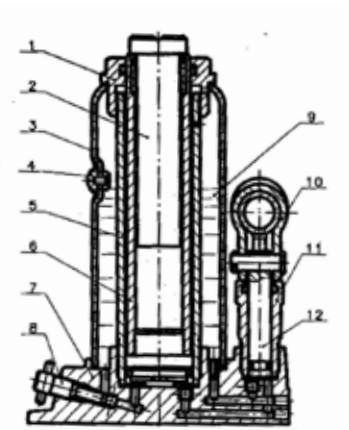
Do not allow any dirt or foreign matter to enter the hydraulic system.

### LUBRICATION

Add correct lubrication oil to all pivoting sections every 3 months.

### PREVENTING RUST

Check ram every 3 months for any sign of rust or corrosion. Clean as needed and wipe with an oil cloth. When not in use. Always leave the saddle and ram all the way down.



Part no.	Description
1	Top cap
2	Adjustment screw
3	Oil tight tank
4	Oil plug
5	Cylinder
6	Piston rod
7	Backing

Part no.	Description
8	Oil drain valve
9	Hydraulic fluid
10	Presses the hand
11	Pump casing
12	Pump plunger
13	Handle
14	Safe valve

# Specification

Product Code	Model No.	Rated Capacity kg	Minimum Height mm	Lifting Height mm	Saddle Rise mm	Weight kgs
GTHBJ2	QYLS2	2,000	148	80	50	2.3
GTHBJ3	QYLS3	3,000	180	110	50	3.4
GTHBJ4	QYLS4	4,000	180	110	50	3.4
GTHBJ5	QYLS5	5,000	185	110	60	4.5
GTHBJ6	QYLS6	6,000	185	110	60	4.5
GTHBJ8	QYLS8	8,000	200	125	60	5.5
GTHBJ10	QYLS10	10,000	200	125	60	6
GTHBJ12	QYLS12	12,000	210	125	60	7.2
GTHBJ15	QYLS15	15,000	225	140	60	8.5
GTHBJ16	QYLS16	16,000	225	140	60	8.5
GTHBJ20	QYLS20	20,000	235	145	60	11
GTHBJ30	QYLS30	30,000	255	150	-	14.5
GTHBJ32	QYLS32	32,000	255	150	-	14.5
GTHBJ50	QYLS50	50,000	260	180	-	29
GTHBJ12S	QYLS12S	12,000	185	85	50	7
GTHBJ16S	QYLS16S	16,000	190	90	50	8.2
GTHJB20S	QYLS20S	20,000	90	95	50	10.5