

GT HYDRAULIC JACK



Note: The Owner/Operator must read carefully and understand all the information presented here before operation.

Thank you very much for choosing the GT Hydraulic Jack. For you safety and correct operation please read carefully the manual before use.

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Note: All of the information reported herein is based on data available at the time of printing. We reserve the right to modify this product at any time without notice or incurring in any sanction. Please contact us for possible updates.

WARNING

- 1.1 This jack shall be only be operated by qualified personnel.
- 1.2 The safe use of this jack should follow every point described in this manual, otherwise the injury of operators or damage of articles might be caused because of neglect or misuse of this jack.
- 1.3 Before operation, the operator should check and confirm that the jack is in good state.
- 1.4 The original manufacturer has no responsibility to the change of jacks mechanical property caused by maintaining of the third party without any written permission from manufacturer except repairing by the manufacturer or his agency.

DESCRIPTION

This package includes one jack, a spare parts bag and this manual.

Capacity (kgs)	5000	10000	25000
Lifting range of toe (mm)	25 - 230	30 - 260	58 - 273
Lifting range of head (mm)	368 - 573	420 - 650	505 - 720
Net weight (kgs)	20	35	100

TRANSPORTATION

When transporting the jack, it can not be dropped or be thrown because it may cause the piston & pump to become damaged. Therefore, the jack should be fixed before transporting to avoid it being shocked by other objects.

STORAGE

The jack must be stored in a dry place.

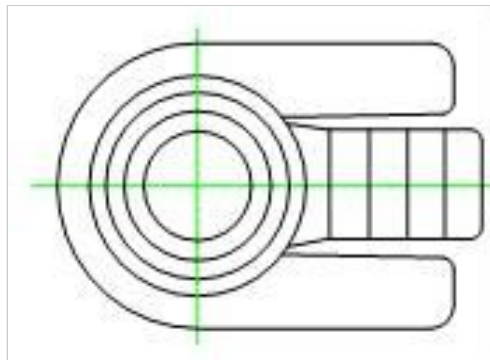
INSTALLATION

The installing of jack is very simple .The only thing you should follow is to insert the operating handle (part 02) to the socket (part 04) and screw it tightly in clockwise direction.

OPERATING

5.1 Scope of use

The jack shall be used on a fixed solid base, such as reinforced concrete floor, to lift or to move load vertically. In order to lift load in such limited area of jack, an auxiliary pad can be placed under the base of it. The tooth plate (46) of jack should be put on the base, so that it can be folded inside when retracting the jack.



5.2 Method of operating

5.2.1 Lifting

Position the toe underneath the load ensuring the load is at the back of the toe plate so as not to lift on the tip. Insert the handle tightly by screwing clockwise into the socket. Using a steady up and down movement of the handle repeatedly to pump the pressure to lift the load. The lifting movement can be stopped immediately by stopping the lifting operation.

5.2.2 Lowering

Screw out the unload handle slowly in anti-clockwise direction to reduce the load step by step.

Note: When the jack is in unloaded condition, the head of it should be pressed to reduce its height.

Attention: If the jack is not in the state of maintaining, each part of it can not be dismantled except the operating handle.

5.3 Safety standard

5.3.1 The lifting of the load is a dangerous operation, the appointed operators should be trained and competent.

5.3.2 Never add extra weight to the load being lifted.

5.3.3 Never exceed the rated capacity of the jack.

5.3.4 Please keep a safety distance with the lifted weight.

5.3.5 Never use the jack if found in bad condition.

5.3.6 When lifting the weight by toe plate, please keep the weight close to the head of jack to avoid the pillar of jack being bent.

5.3.7 Ensure that each support point of ground is solid and stable including floor area and loading etc, then any type of operating should be handled on a plane surface only.

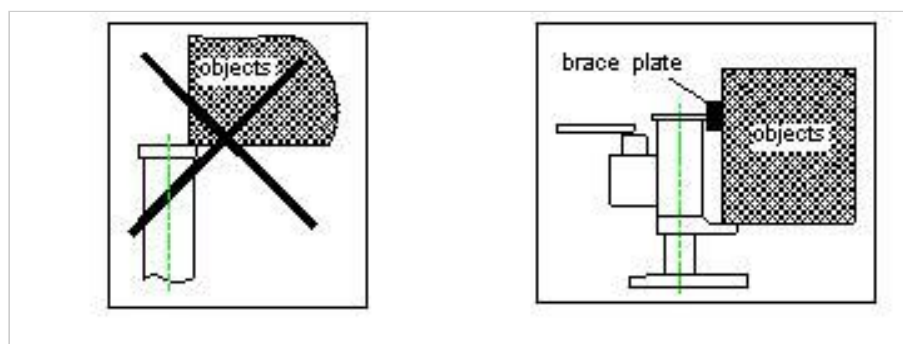
5.3.8 Please guarantee the lifted weight is stable during the whole lifting period to avoid it being turned over or slipped. Each device shall be fixed before lifting.

5.3.9 Never operate the jack when people are on the load.

5.3.10 Never use the front end of the toe plate to lift weight. The toe plate should be located in its base totally, the pushing point to the weight should close to the back end of toe plate as far as possible.

5.3.11 Never screw the adjustable screw (18), under any circumstance, otherwise a typical accident of jack dropping may occur. These parts (10,11,18,19,20,21) are the device of overloading protection.

5.3.12 Never use the side of jacks head to lift weight. The weight should be contacted with the black shadow surface of the following pictures.



5.4.3 Operators should be very careful to use different jacks to lift a heavy-duty weight. Pay attention to the shifting of center of gravity during lowering or lifting of the load. The total lifting capacity of all jacks should be larger than load of the lifted weights.

5.4.4 The owner of jack should guarantee all of the stick labels concerning safety standards remain on its relative locations, which should be replaced when they can not be read clearly.

5.4.5 This operation manual can not cover all situations, please follow each step of it cautiously.

MAINTENANCE

6.1 Routine inspection

6.1.1 Before operation, please inspect and confirm that:

- (1) All of the stoppers and screws of jack have been screwed up tightly.
- (2) There is no oil leaking on the jacks pump.
- (3) There is no cracking or deformation on pump body, toe plate and its base.
- (4) The pump should be operated normally without load.

6.1.2 Under more frequent use of the jack, periods of checking shall be reduced, and the following checking points shall be emphasised:

(1) All of the jack stoppers, screws, and nuts should be screwed up sufficiently and should be adjusted when it is necessary.

(2) When the jack is in loading state, please pump it totally until the release valve opening and without any oil-leaking (oil spot on the surface of pillar or valve stem is normal). Please release the pressure of pump and check the pillar to confirm the pillar being flat and vertical without any shocking and scraping. If any damage is found the pillar should be changed.

(3) When the jack is reducing, operator should check whether the reducing movement is stable or not and it should be wedged (but some slight vibration is in normal).

(4) Please, carefully check all of the exterior parts of jack including,

Pump body: no deformation, cracking or impact on it

Operating handle of pump: no deformation, no over space in each plug, otherwise the old plug shall be replaced by a new one

Toe plate: no deformation or cracking

Base: no deformation or cracking

ADD OIL

If the jack can not be pumped up to its rated height, it is necessary for you to add hydraulic oil into the oil tank. The hydraulic oil to be used must have a quality of ISO VG22 or equivalence. Mixing of different fluids is prohibited!

TROUBLESHOOTING

Symptom	Possible cause	Solution
Jack cannot be pumped correctly.	The release valve is not closed.	1. Screw in the handle (16) tightly clockwise. 2. Loosen the screw (38) to release air from the pump then screw it back in tightly.
Jack cannot be released down at the top position.	The release valve is not open enough.	Screw out the handle (16) counterclockwise.
Jack cannot be pumped up to its maximum height.	There may not be sufficient oil.	Remove screw (10) and add sufficient oil.
Oil is leaking from the plunger.	Seals are worn out.	Replace the worn seals (7) & (8).

LIST OF PARTS

No.	Name	Parts code	Qty	No.	Name	Parts code	Qty
1	Upper Handle	2501	1	33	Oil Pipe	2533	1
2	Lower Handle	2502	1	34	Retaining Ring	534	1
3	Snap Ring	503	6	35	Filter	535	1
4	Socket	504	1	36	Spring	2536	2
5	Pin	505	2	37	Screw	2537	2
6	Plunger	2506	1	38	Screw	537	1
7	O - Ring	2507	2	39	Ball	525	1
8	Back-up Ring	2508	2	40	Cylinder	2540	1
9	Pin	2509	1	41	Steel Wire	2541	1
10	Screw	510	2	42	Retaining Ring	2542	1
11	Gasket	511	3	43	Limit Block	2543	1
12	Ball	512	1	44	Retaining Ring	2544	2
13	O - Ring	513	1	45	Bush	2545	2
14	Release Rod	514	1	46	Forked Mounting	2546	1
15	Snap Ring	515	1	47	O-Ring	2547	1
16	Unload Handle	516	1	48	Y-Ring	2548	1
17	Screw	517	1	49	Pillar	2549	1
18	Adjusting Screw	518	1	50	Axle	2550	2
19	Spring	519	1	51	Plate	2551	2
20	Ball Seat	520	1	52	Spring Wash	2552	2
21	Ball	521	1	53	Nut	2553	1
22	Linkage	522	1	54	Retaining Ring	2554	2
23	Screw M8x30	523	4	55	Wheel	2555	2
24	Pin	524	1	56	Bearing	2556	2
25	Ball	525	3	57	Snap Ring	2557	2
26	Spring	526	2	58	Snap Ring	2558	2
27	Screw	527	2	59	Spring Pin	2559	1
28	Pump Body	2528	1	60	Pin	2560	1
29	O - Ring	529	2	61	Knob	2561	1
30	Y - Ring	2530	1	62	Spring	2562	1
31	O - Ring	531	1	63	Axle	2563	1
32	Valve Stem Bush	2532	1	64			

EXPLODED VIEW

