

Hydraulic Drum Gripper DT-300A / 300B

DT300A, DT300B

Capacity 300 kg



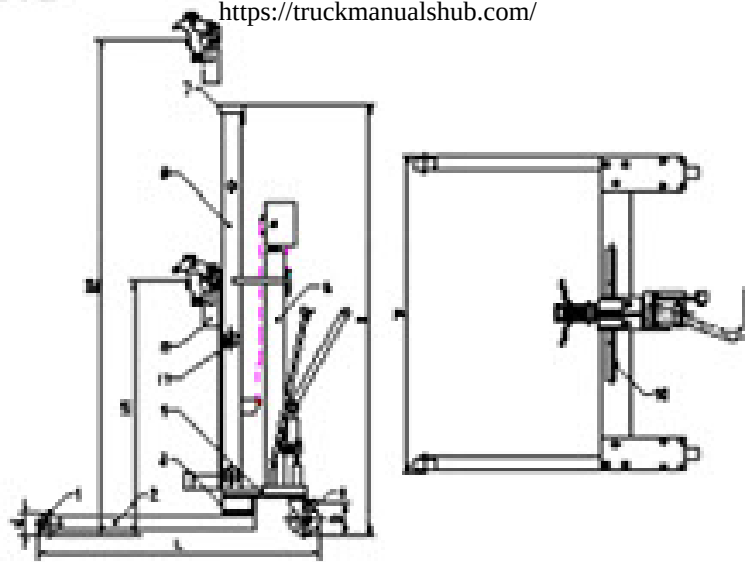
User's guide

Hydraulic Drum Trolley

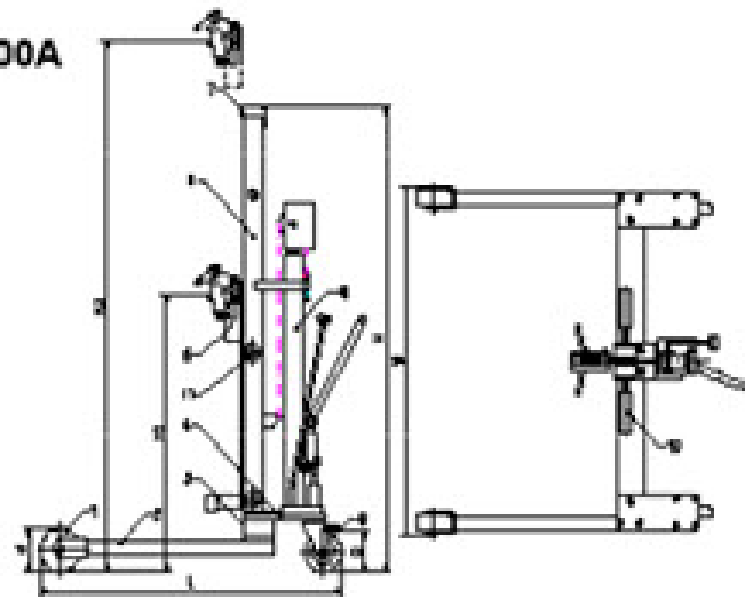


DT300B

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DT300A



1. SPECIFICATION

Model		DT300B	DT300A
Suitable for Drum Diameter	(mm)	572	572
Capacity	(Kg)	300	300
Front Wheel Diameter	d (mm)	84	125
Rear Wheel Diameter	D (mm)	88	125
Minimum Clamp Height	H1(mm)	835	870
Maximum Clamp Height	H2(mm)	1640	1675
Total Height	H (mm)	1525	1560
Length	L (mm)	866	862
Width	W (mm)	868	868
Net Weight	(Kg)	68	72

WARNINGS -**Safe usage instructions**

1. Study, understand and follow all instructions before operating this jack.
2. Do not exceed rated capacity.
3. Only use the drum trolley for lifting and transporting standing 200 l drums on hard level surface.
4. Only transport the drum in lowered position.
5. Make sure that the drum cannot drop or swing during transport.
6. Do not place feet or any other part of the body under a lifted drum.
7. Never employ the drum trolley in potentially explosive atmospheres.
8. Only original accessories and spare parts shall be used.
9. No alterations shall be made to this jack.
10. Failure to follow these warnings may result in personal injury and/or property damage.

Assembly:

For safety reasons we recommend to have assistance for the assembly. First mount cross beams (3) and wheel brackets (4) on top of legs (2) with matching screws and washers. Then fix tower (6) and bracket (8, 13)

Lifting: Push the trolley fully against the drum with the upper arm of the gripping device above the drum. Activate the pedal using full strokes. The gripping device will automatically grip and hold the drum.

Transport: At first lower the drum to lowest position.

Lowering: Slowly turn the release handle (15) counter clockwise.

Operational temperature - 10° to + 40° C.

Maintenance:

Maintenance and repair must always be carried out by qualified personnel.

Cleaning: We advice not to use high pressure cleaner, steam jets or degreasing agents in order to avoid degreasing and penetrating water. If not mechanical parts must be lubricated afterwards.

Daily: Inspect the drum trolley for damages.

Monthly: Lubricate the axle for pedal and other mechanical parts with a few drops of oil. Grease the end of the pump piston.

Oil refill: Correct oil level is up to lower edge of filling hole with the lever arm fully down. Too much oil causes poor pumping.

Quantity of oil: 1,2 l.

Any good hydraulic oil of viscosity ISO VG 15 can be used.

NEVER USE BRAKE FLUID!

Safety Inspection:

According to national legislation – minimum once a year though – the drum trolley must be inspected by a professional: functioning of the gripping device, damages, wear and tear, adjustment of the safety valve.

Trouble shooting

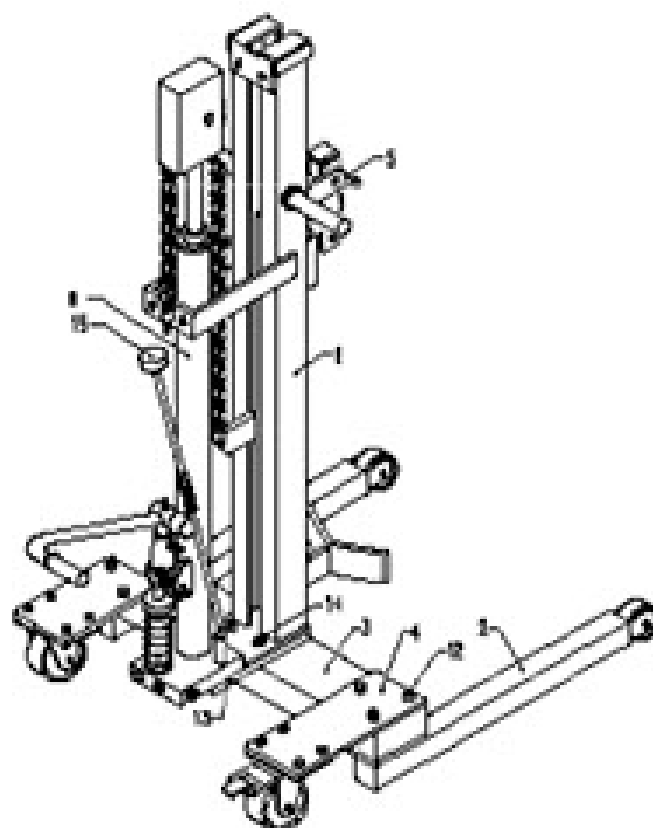
1. The drum trolley does not lift to maximum height: verify oil level (see "Maintenance").
2. Poor pumping (half strokes): there is vacuum in the reservoir due to too much oil. Verify oil level.
3. Air in the hydraulic system: bleed the system by pumping the pedal 5 – 10 times with open release handle.
4. The load is dropping: verify that the release is closed and that the release spring is properly adjusted.

Spare parts:

Replace worn or broken parts with genuine manufacturer supplied parts only. All major parts may not be provided after discontinuation of a model.

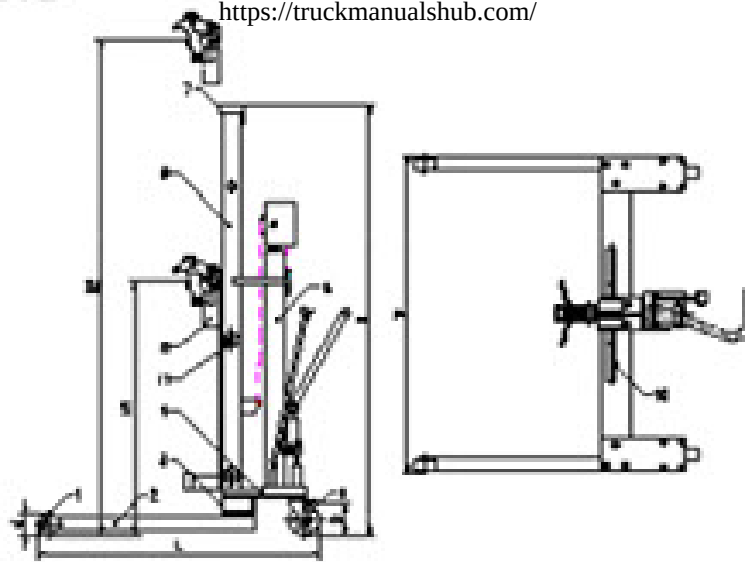
Destruction:

Oil must be drained off and legally disposed of.

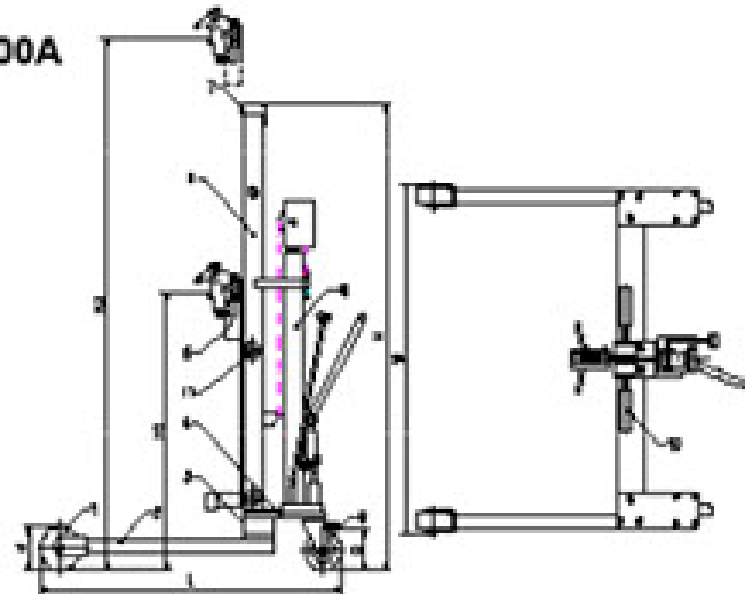


DT300B

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DT300A



1. SPECIFICATION

Model		DT300B	DT300A
Suitable for Drum Diameter	(mm)	512	512
Capacity	(Kg)	300	300
Front Wheel Diameter	d (mm)	64	125
Rear Wheel Diameter	D (mm)	80	125
Minimum Clamp Height	H1(mm)	835	870
Maximum Clamp Height	H2(mm)	1640	1675
Total Height	H (mm)	1525	1560
Length	L (mm)	655	652
Width	W (mm)	600	600
Net Weight	(Kg)	61	72

Pos.	Qty	Description	Pos.	Qty	Description
1	2	Inside hex screw	51	1	Steel ball
2	2	Copper washer	52	1	Sheath
3	2	Taper spin	53	2	Oil cup
4	4	Steel ball	54	1	Split ring
5	2	Screw plunger	55	1	Lever
6	2	O-ring	56	3	Rubber sheath
7	1	Locking screw	57	2	Hex bolt
8	1	Spring	58	1	Mast bonnet
9	1	Short pin	59	1	Mast assembly
10	2	Inside hex screw	60	2	Axle fender ring
11	4	Hex nut	61	1	Pin axle
12	2	Locating ring	62	6	Axle fender ring
13	1	Torsional spring	63	1	Upper clamp assembly
14	1	Unitary valve rod	64	1	Pin axle
15	1	Inside hex screw	65	1	Pulley
16	1	Split pin	66	1	Bearing
17	4	Hex nut	67	1	Nether clamp assembly
18	1	Chain bolt	68	1	Spring
19	1	Roller chain	69	1	Pin axle
20	1	Fork f. wheel	70	1	Pulley
21	2	Chain wheel	71	1	Bearing
22	1	Screw	72	1	Bushing
23	2	Chain cover	73	1	Pin axle
24	1	Shaft	74	1	Supporting structure assembly
25	2	Screw	75	4	Pulley
26	1	Plunger rod	76	2	Front wheel ø64 (DT300B)
27	1	Dustproof ring		2	Front wheel ø125 (DT300A)
28	2	O-ring	77	2	Front wheel pin axle
29	1	Nylon washer	78	2	Front wheel fork assembly
30	1	Pump rod	79	1	Supporting tube
31	1	Pump cover	80	2	Rear wheel connecting board
32	1	Pump ring	81	6	Hex bolt
33	1	Dustproof ring	82	2	Hex bolt
34	2	O-ring	83	1	Versatile wheel ø60 (DT300B)
35	1	Nylon washer		1	Versatile wheel ø125 (DT300A)
36	1	Welding the tube link body	84	1	Pad
37	2	O-ring	85	8	Hex nut
38	1	Valve cone		1	Rear wheel ø60 (DT300B)
39	1	Spring pin		1	Rear wheel ø125 (DT300A)
40	1	Pin axle	87	8	Hex bolt
41	1	Seal	88	2	Spring washer
42	1	Nut	89	2	Washer
43	1	Hex bolt	90	1	U hoop
44	1	Hex nut			
45	2	Split ring			
46	1	Bearing			
47	1	Ring			
48	1	Pin axle			
49	1	Adjusting screw			
50	1	Spring			

