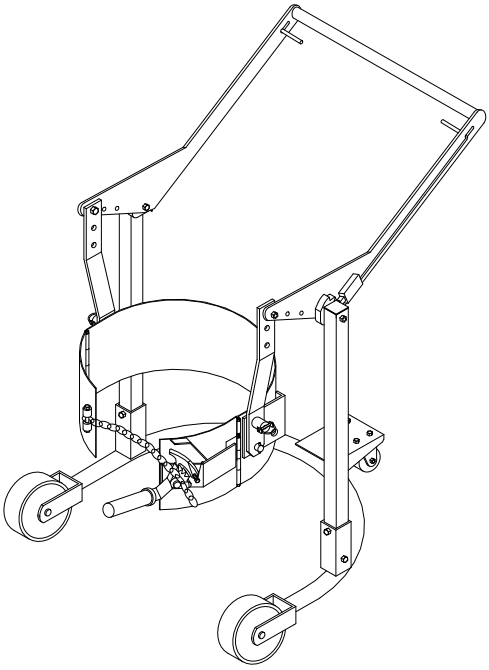
Operation Manual

Tilting Drum Carrier

Model: HD80A



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

Content

1. Figure and Dimension……2
2. Part Name……3
3. Installation Instruction……3
4. Operation Instruction……4
5. Attention & Warning……...5
6. Exploded View……6
7. Part List……6

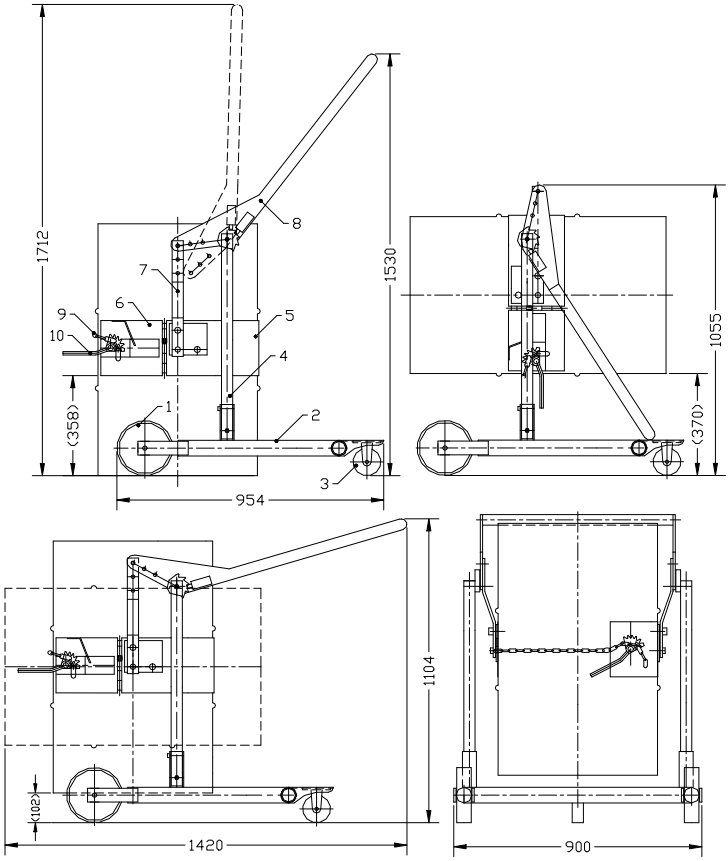
Thank you for choosing the HD80A tilting drum carrier.

Please read this manual carefully before using the carrier in order to get the way of operating safely and maintaining.

This tilting drum carrier can be used to convey a drum by clamping it. It is specially designed so that it can tilt the drum by 90° and pour the oil as horizontally fixed, and is widely used in kinds of factories, oil stations and so on.

1.Figure and Dimension

1.1 Figure of the HD80A tilting drum carrier



1.2 Technical Parameter of the HD80A tilting drum carrier

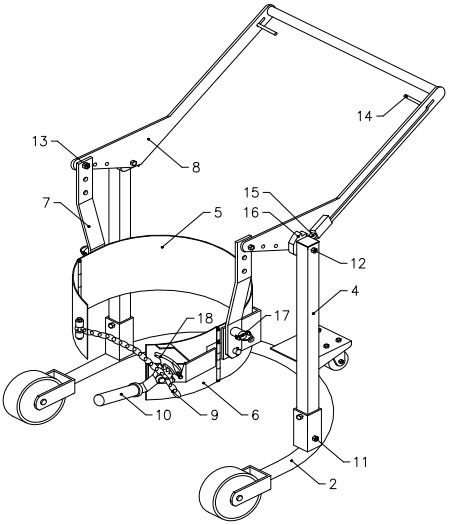
Model	HD80A
Front Wheel Diameter (mm)	200
Rear Wheel Diameter (mm)	100
Drum Diameter (mm)	572
Net Weight (Kg)	50
Capacity (Kg)	**363**

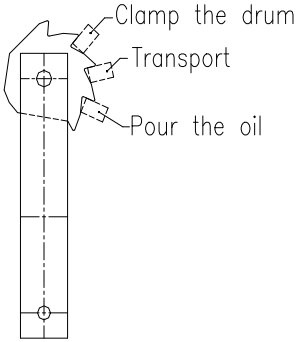
2.Part Name

1.Front Wheel
2. Under Frame Assembly
3.Rear Wheel
4. Mast Assembly
5.Drum Hoop
6. Clamping Ring
7. Suspended Board
8.Cantilever Assembly
9.Tightening Chain
10.Dentiform Spanner

3.Installation Instruction

All the parts of tilting drum carrier have been cased up when finished. You can install it quickly and expediently as if following the steps below.





3.1 Make sure that all of the parts like 2 (Under Frame Assembly),11 (Connecting Bolt), 4 (Mast Assembly), 12 (Connecting Bolt), 8 (Cantilever Assembly), 13 (Connecting Bolt), 5.6.7（Drum Hoop Assembly） are intact.

3.2 Insert 4 (Mast Assembly) into the two tubes of 2 (Under frame Assembly) as showed in picture and join them together firmly with 11 (Connecting Bolt).

Note: Don't mistake the directions of the left and right.

3.3 Join 8 (Cantilever Assembly) and 4 (Mast Assembly) together firmly with 12 (Connecting Bolt).

3.4 Join 5.6.7（Drum Hoop Assembly） and 8 (Cantilever Assembly) together firmly with 13 (Connecting Bolt).

4.Operation Instruction

4.1 Transport the drum

Move this tilting drum carrier to the drum, pull the 14 (Threaded Sleeve Lever), turn the 8 (Cantilever Assembly) to get the 15（Rest Pad）into the second gear of the 16（Dentiform Grip Hook）. Push the carrier to make the 5(Drum Hoop) cling to the drum, strap the drum with the 9 (Tightening Chain), and embed the 9 (Tightening Chain) into grooves of the 10 (Dentiform Spanner). Pull the 10 (Dentiform Spanner) clockwise so that the 9(Tightening Chain) can clamp the drum. Depress the 8(Cantilever Assembly) to get the 15（Rest Pad）into the third gear of the 16 （Dentiform Grip Hook）and lift the drum away from the floor. So you can push the handle of the carrier to transport the drum.

4.2 Pour the oil

First lift the drum and pull out the 17 (Locating plunger), tilt the drum by 90°. Then insert the 17 (Locating plunger) and pour the oil. When you finished, repeat the steps above until the drum is set vertical.

Note: Make sure the drum is set at the proper height when pouring the oil by tilting the drum in case of impacting the floor.

4.3 Lower the drum

Depress the upper handle of the 8(Cantilever Assembly) slowly and pull the 14(Threaded Sleeve Lever), Turn the handle upwards slowly under the action of gravity until the drum touches the floor. Pull the 10 (Dentiform Spanner) closely clockwise and take off the 18 (Dentiform Hook) to loose the chain. Once the 9 (Tightening Chain) is loosen, you can remove the carrier.

5.Attention & Warning

5.1 Make sure this tilting drum carrier works on the firm and flat floor.

5.2 Never overload this carrier beyond its rated capacity.

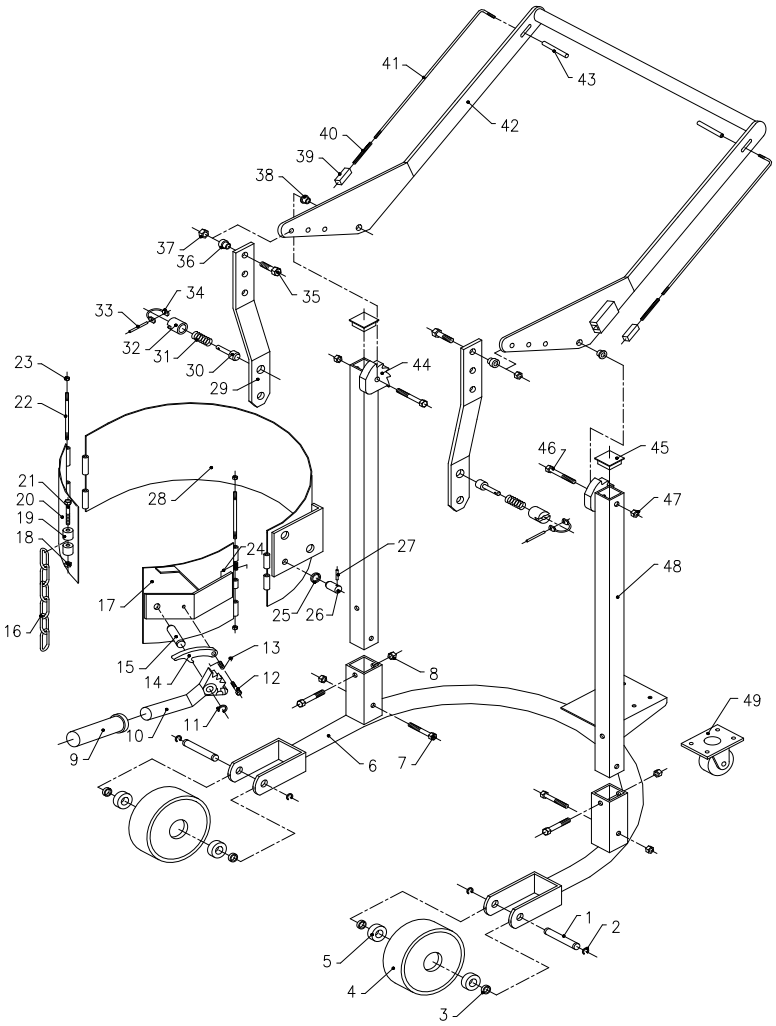
5.3 Don't' transport the drum until the 9(tightening chain) has clamped the drum and the 17(locating plunger) has been inserted in the right position.

5.4 Make sure the drum hoop clamping the middle of the drum when loading the drum.

5.5 Never pull the 14(threaded sleeve lever) when transporting the drum.

5.6 Make sure the drum is set at the proper height when pouring the oil by tilting the drum in case of impacting the floor.

6.Exploded View



7.Part List

No.	Description	Qty	No.	Description	Qty
1	Front Wheel Pin Axle	2	26	Pin Axle	2
2	Retainer Ring	4	27	Spring Pin	2

3	Washer	4	28	Drum Hoop	1
4	Front Wheel	2	29	Suspended Board	2
5	Bearing	4	30	Locating plunger	2
6	Under Frame	1	31	Spring	2
7	Hex Head Bolt	4	32	Sliding Bush	2
8	Nut	4	33	Pin Axle	2
9	Gum Cover	1	34	Pull Handle	2
10	Dentiform Spanner	1	35	Hex Head Bolt	2
11	Retainer Ring	1	36	Space Ring	2
12	Hex Head Bolt	1	37	Nut	2
13	Torsional Spring	1	38	Space Ring	2
14	Dentiform Hook	1	39	Rest Pad	2
15	Pin Axle	1	40	Spring	2
16	Chain	1	41	Draw Rod	2
17	Clamp Ring	1	42	Cantilever	1
18	Retainer Nut	1	43	Threaded Sleeve Lever	2
19	Retainer Ring	2	44	Dentiform Grip Hook	2
20	Wicket	1	45	Seal-capping	2
21	Hex Head Bolt	1	46	Hex Head Bolt	2
22	Threaded Stud	2	47	Nut	2
23	Retainer Nut	4	48	Post	2
24	Torsional Spring	1	49	Rear Wheel	1
25	Space Ring	2			