

Heavy Duty Transmission Jack, 500 kg



TECHNICAL DATA

Max. Capacity: 500 kg
Min. Lifting height: 855 mm
Max. Lifting height: 1770 mm
Total width: 370 mm
Total depth: 550 mm
Total height: 900 mm
Lifting piston: Ø 28 mm
Pump piston: Ø 12 mm
Weight: 75 kg

ATTENTION

Read the operating instructions and all safety instructions contained therein carefully before using the product. Use the product correctly, with care and only according to the intended purpose. Non-compliance of the safety instructions may lead to damage, personal injury and to termination of the warranty. Keep these instructions in a safe and dry location for future reference. Enclose the operating instructions when handing over the product to third parties.

INTENDED USE

This lifting tool is used to lift loads, and is a stable, reliable hydraulic unit and is characterized by its compact design, low weight, long lifting range and fast lifting process. Please note the max. Load capacity of the lifting tool and only use the jack for the purpose for which it is intended, any modification or use that is not in accordance with the intended purpose is not permitted.

SAFETY INFORMATION

When using lifting tools, fundamental precautionary measures must always be ensured, in order to reduce the risk of personal injury and property damage.

- Keep children and unauthorised persons away from the work area.
- Do not let any children play with the tool or its packaging.
- Make sure that the work area is sufficiently illuminated.
- Keep the work area clean, organised, dry and free from other materials.
- Do not allow untrained persons to work with this lifting tool.
- Make sure the release valve is properly closed when lifting a load.
- Do not make any changes to the product.
- Only use accessories that are designed for use with lifting tools.
- Maintain the tool carefully to ensure safe use.
- Check the product for cracks, warpage, and other damage at regular intervals.
- Do not use the product if it is damaged. It have to repaired by a qualified personal.
- Store the tool in a dry and safe location out of the reach of children.

IMPORTANT NOTES ON PERSONAL SAFETY

- Operate the tool using common sense.
- Always ensure a firm foothold, in order to be able to maintain your balance at all times.
- Do not reach through moving parts of the lifting tool.
- Always work with a second person present; in event of an accident, this person can call for help or medical assistance.
- Do not use this tool if you are under the influence of medication, alcohol or drugs, or if you are tired. Read the package insert of your medicine in order, to rule out an impairment of your judgement or reflexes.
- Do not use the device if there is any doubt about the functionality of this tool.
- Always stay aware. During work, observe your workplace and carry out work with utmost care.
- Before use, check the tool for damage. If a part is damaged, use the tool again only after all damaged parts have been repaired by an authorised specialist only.
- Do not use lifting tools for climbing, hanging or swinging. Misuse of the lifting tool can result in serious injury.
- Only use the lifting tool on firm and level ground with a slope of less than 3%. Failure to do so could result in the lifting tool tipping over and causing serious injury and property damage.
- Do not overload the lifting tool, pay attention to the max. rated load when setting the lifting arm length.
- Lower and remove the load before moving the lifting tool.
- Use only slings or chains with a rated capacity greater than the weight of the load being lifted.
- Do not allow load to swing or drop violently while lowering or moving.
- Center load prior to lifting.
- Make sure that boom is fully lowered before adding oil to unit reservoir.
- Do not rock the vehicle while working on or around equipment.
- Do not use this crane for any use other than the manufacturer specified usage.
- Failure to heed these markings may result in personal injury and/or property damage.

OCCUPATIONAL SAFETY

Always wear suitable protective equipment when using lifting tools.

Always wear following protective equipment when using this lifting tool:

- Anti-slip safety shoes
- Safety work gloves

**UNPACKING**

When unpacking, make sure that all parts are present.

Contact your dealer if parts are missing or damaged.

STORING

Always lower the lifting arm to the lowest position when not in use.

Always keep the lifting tool in the fully lowered position to protect critical areas from excessive corrosion.

Never use brake fluid or gear or engine oil to top up, as these will damage seals. Only use hydraulic oil to fill up.

ENVIRONMENTAL PROTECTION

Dispose of this product at the end of its working life environmentally.

Recycle unwanted materials instead of disposing of them as waste.

All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment.

Contact your local solid waste authority for recycling information



LIFTING LOAD

1. Ensure the transmission weight and size does not exceed the capacity of the jack, before using the lifting tool.
2. Make sure that the vehicle is well balanced when using a 2 post lift. For e.g. on front-wheel drive vehicles, after removing a gearbox, the front of the vehicle becomes lighter and can fall off the lifting platform.
3. Make sure that the handbrake is applied and that the vehicle cannot roll. When using a four-post lift, otherwise the vehicle could roll when the jack will be positioned.
4. Make sure that no other person is in the vehicle.
5. Make sure that the lifting device is in the lowest position, the foot pedal is easily accessible and the transmission jack is centrally located under the vehicle transmission.
6. Pump the foot pedal, the jack will move towards the gearbox.
7. If the lifting device is just below the gearbox, the alignment of the lifting device must be checked and readjusted if necessary.

LOWERING LOAD

1. **Attention!** Always make sure that the load is stable and well balanced on the jack before it is raised or lowered.
2. **Caution!** To transport the load, the jack must be completely lowered and the load secured. To lowered the load, slowly turn the release valve knob counterclockwise.
3. **Important:** The more the release valve is opened, the faster the lifting device lowers and thus the load. Therefore open the drain valve slowly, otherwise there is a risk of the load falling from the jack.
4. The release valve will automatically return to the closed position via spring force when the button is released.

TRANSPORTING LOAD

1. Make sure the jack and load are fully lowered before moving.
2. Only transport the load over level and solid ground, preferably concrete, and make sure that the floor is swept clean.
3. Be careful when lowering it and keep the load under constant observation.
4. Make sure that no other person is in the immediate work area or under the load.

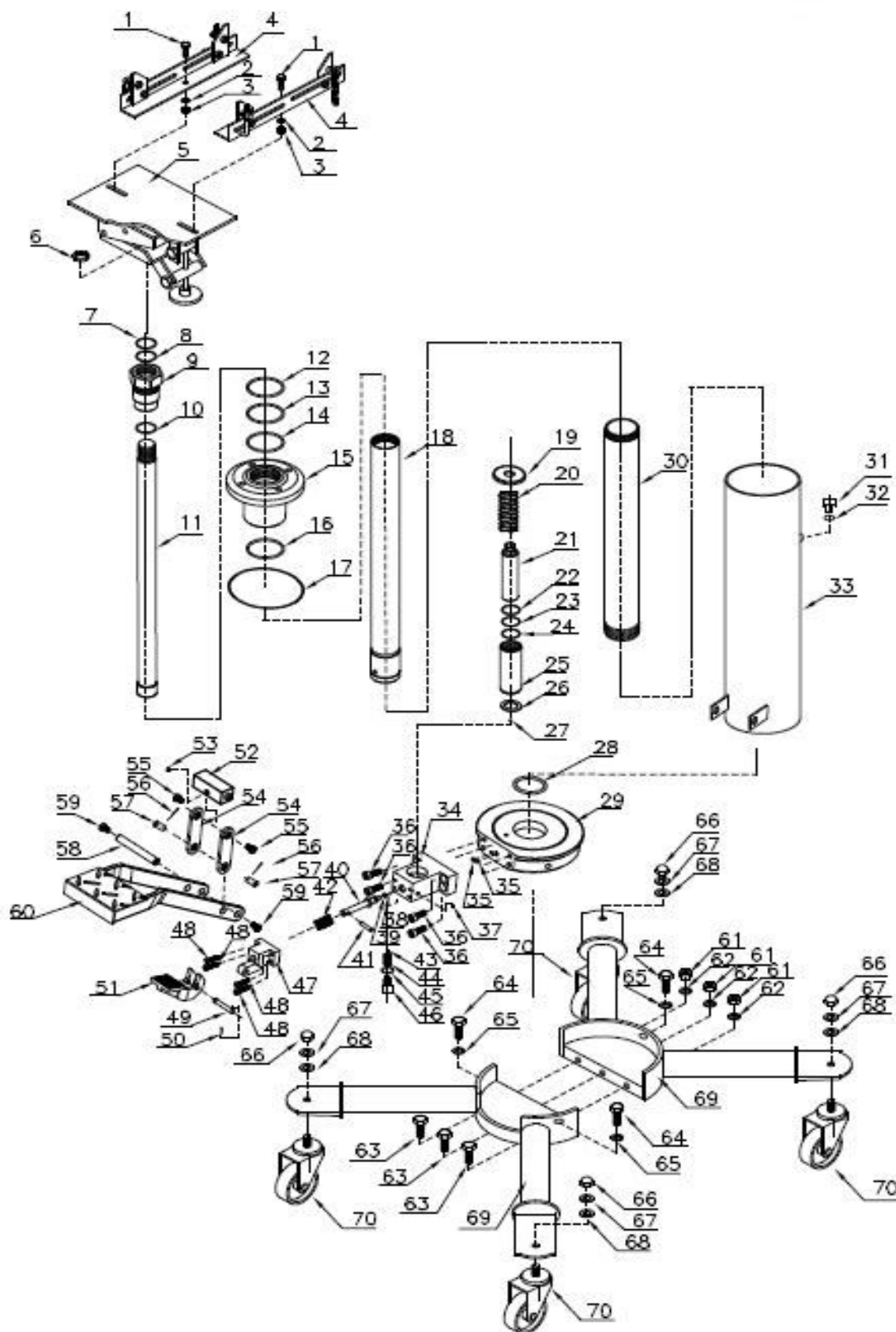
MAINTENANCE

Monthly maintenance is recommended. Lubrication is critical to lifting tool as they support heavy loads. Any restriction due to dirt, rust, etc., can cause either slow movement or cause extremely rapid jerks, damaging the components.

The following steps are designed to keep the lifting tool well lubricated:

- Lubricate joints, linkages and the pump mechanism with oil and wheel axles with grease.
- Do a visual inspection and check the lifting tool for cracked welds, bent, loose, missing parts and check the hydraulics for oil leaks.
- If the lifting tool has been subjected to abnormal stress or impact, take it out of service and have it checked by a qualified person before use.
- Clean all surfaces and maintain all labels and warnings.
- Check the oil level and correct the oil level if necessary.
- Check the hydraulic piston every 3 months for any signs of rust or corrosion. Clean it as needed and wipe it with an oiled cloth.
- Lift the device as high as possible without a load and look under and behind the moving parts. If signs of rust are visible, clean them as needed.

EXPLODED VIEW



PARTS LIST

No.	Description	Qty
1	Screw	2
2	Washer	2
3	Nut	2
4	Accessories	2
5	Headstock	1
6	Nut	1
7	Seal	1
8	Seal	1
9	Small top cap	1
10	Seal	1
11	Piston rod	1
12	Seal	1
13	Seal	1
14	Seal	1
15	Big top cap	1
16	Seal	1
17	Seal	1
18	Middle cylinder	1
19	Spring plate	1
20	Spring	1
21	Pump core	1
22	Seal	1
23	Seal	1
24	Seal	1
25	Pump body	1
26	Pump washer	1
27	Steel ball	1
28	Cylinder washer	1
29	Base	1
30	Cylinder	1
31	Screw	1
32	Seal	1
33	Coat	1
34	Valve seat	1
35	Seal	2

No.	Description	Qty
36	Screw	4
37	Screw	1
38	Steel ball	1
39	Seal	1
40	Valve core	1
41	Valve core pin	1
42	Spring	1
43	Steel ball	1
44	Spring	1
45	Washer	1
46	Screw	1
47	Oil-out foot pedal base	1
48	Screw	4
49	Steel pin	1
50	Cotter Pin	2
51	Oil-out foot pedal	1
52	Locking block	1
53	Screw	1
54	Connecting Rod	2
55	Screw	2
56	Cotter Pin	2
57	Steel pin	2
58	Long foot pedal pin	1
59	Screw	2
60	Foot pedal	1
61	Nut	3
62	Washer	3
63	Screw	3
64	Screw	3
65	Washer	3
66	Round nut	3
67	Spring washer	4
68	Washer	4
69	Bottom studs	4
70	Caster wheel	4



**EU-KONFORMITÄTSERKLÄRUNG
EC DECLARATION OF CONFORMITY
DÉCLARATION „CE“ DE CONFORMITE
DECLARATION DE CONFORMIDAD UE**

Wir erklären in alleiniger Verantwortung, dass die Bauart des Produktes:
We declare that the following designated product:
Nous déclarons sous propre responsabilité que ce produit:
Declaramos bajo nuestra sola responsabilidad que este producto:

**Schwerlast-Doppelhub-Getriebeheber (BGS Art.: 9233)
Heavy Duty Transmission Jack
Verin de fosse double verin poids lourds
Gato de foso**

folgenden einschlägigen Bestimmungen entspricht:
complies with the requirements of the:
est en conformité avec les réglementations ci-dessous:
esta conforme a las normas:

Machinery Directive 2006/42/EC

Angewandte Normen:

Identification of regulations/standards:

Norme appliquée:

Normas aplicadas:

EN ISO 12100:2010

EN 1494:2000+A1:2008

Verification No.: QA-AC-4632/20 / ZX0101D

Test Report No.: COO2020052001

Wermelskirchen, den 22.12.2023

ppa.

Frank Schottke, Prokurist

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