User manual

Original

LT 707

Dear Customer!

Thank you for choosing our product and congratulations with your new Lift Trolley.

In order for you to achieve the best possible results with your new Lift Trolley, we kindly ask you to study the following pages carefully, before using your new Lift Trolley.

Mil-tek Danmark A/S
Torstedvej 4-8
DK-6990 Ulfborg
Denmark
Phone : +45 9675 8000
Fax : +45 9675 8100
E-mail : info@miltek.dk
www.mil-tek.com

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SAFETY REGULATIONS

The Lift Trolley may never be used for lifting persons.

RESPONSIBILITY

Mil-tek, it's dealers and agents cannot be held responsible for any adjustments or alterations not included in this manual.

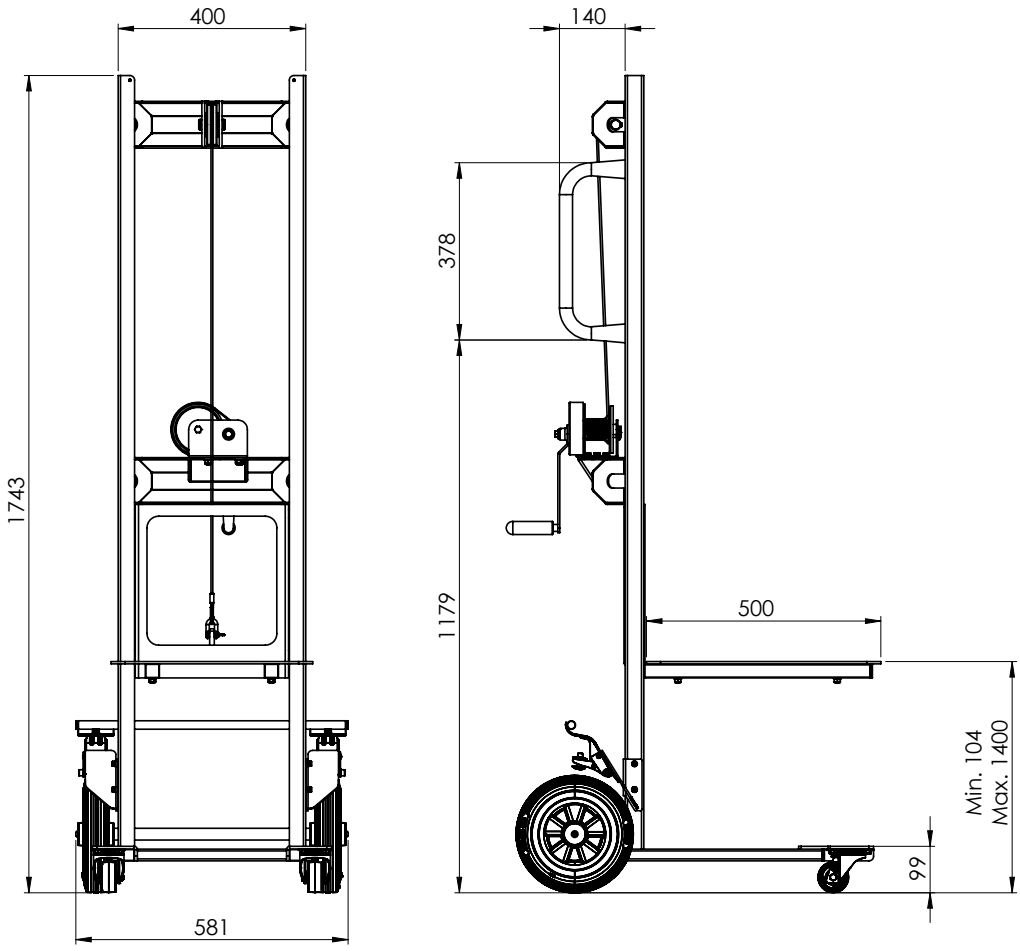
Under no circumstances may any modifications be made to this machine without the knowledge and written acceptance from the manufacturer. Modifications may result in injury and are therefore prohibited.

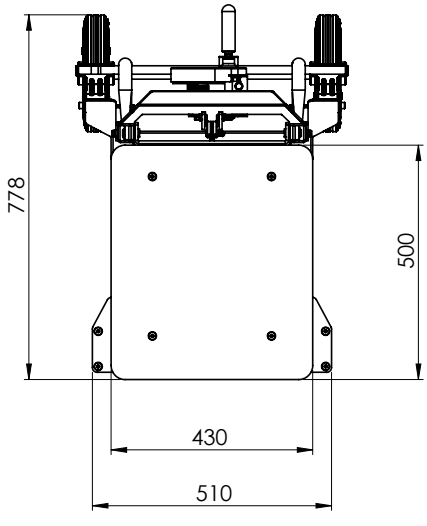
USER MANUAL IN ORIGINAL ENGLISH VERSION

This manual is the original version. As a part of Mil-teks policy for keeping the environment, Mil-tek do not deliver the original version of the manual without any specific request from customer or authorities.
If the original version is needed for any purpose, please send a request per e-mail to info@miltek.dk or call Mil-tek Denmark at +45 9675 8000.

TECHNICAL DATA:

Height:	1743 mm
Width:	581 mm
Depth:	778 mm
Maximum lifting height:	1400 mm
Net. weight:	50 kg
Maximum lifting weight:	150 kg
Approved:	CE





CE DECLARATION OF CONFORMITY

EC DECLARATION OF CONFORMITY FOR MACHINERY

Directive 2006/42/EC, Annex II, A

GB:	EC DECLARATION OF CONFORMITY FOR MASCHINERY, Directive 2006/42/EC, Annex II, A
DK:	EF-OVERENSSTEMMELSESERKLÆRING, Maskindirektivet 2006/42/EF, Bilag II, A
DE:	CE-KONFORMITÄTSERKLÄRUNG FÜR MASCHINEN GEMÄSS MASCHINENRICHTLINIE 2006/42/EC, Anhang II, A
NL:	EG-VERKLARING VAN OVEREENSTEMMING VOOR MACHINES, Richtlijn 2006/42/EC, Bijlage II, A
SE:	CE FÖRSÄKRAN OM ÖVERENSSTÄMMELSE FÖR MASKINER, direktiv 2006/42/EC, Annex II, A
NO:	CE-SAMSVARSERKLÆRING FOR MASKINER, Direktiv 2006/42/EC, Tillegg II, A
FR:	DECLARATION DE CONFORMITE CE à la Directive MACHINES 2006/42/CE, Annexe II, A
ES:	DECLARACIÓN DE CONFORMIDAD CE PARA MAQUINARIA, Directiva 2006/42/EC, Anexo II, A
IT:	DICHIARAZIONE DI CONFORMITA' CE PER MACCHINARI, Direttiva 2006/42/EC, allegato II, A
GR:	ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΜΗΧΑΝΗΣ ΕΚ, Κατευθυντήρια Οδηγία 2006/42/ΕΚ, Παράρτημα II, A
FI:	EU-VAATIMUSTENMUKAISUUSVAKUUTUS KONETURVALLISUUTTA KOSKEVALLE DIREKTIIVILLE 2006/42/EY, Liite II, A
PL:	CE DEKLARACJA ZGODNOŚCI DLA MASZYN , Dyrektywa 2006/42/EC Aneks II, A
PT:	DECLARAÇÃO DE CONFORMIDADE CE, Directiva 2006/42/EC, Anexo II, A
RUS:	ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ МАШИН, ДИРЕКТИВА 2006/42/EC, ПРИЛОЖЕНИЕ II,A
ARAB:	الإقرار بالمطابقة الخاص بالميكنة، مجلس التوجيه 2006/42/EC، الملحق II، أ

GB:	Manufacturer	**Mil-tek Danmark A/S**	Documentation responsible	**Kristian Skannerup**	hereby declare that
DK:	Fabrikant	**Torstedvej 4-8**	Dokumentationsansvarlig	**Mil-tek Danmark A/S**	erklærer hermed, at
DE:	Manufacturer	**DK-6990 Ulfborg**	Verantworlich für die Dokumentation	**Torstedvej 4-8**	erklärt hiermit, dass die
NL:	Producent	**Denmark**	Verantwoordelijk voor documentatie	**DK-6990 Ulfborg**	verklaart hierbij dat
SE:	Tillverkare	**Tlf.: +45 9675 8000**	Ansvarig dokumentation	**Denmark**	försäkrar att
NO:	Produsent	**Fax: +45 9675 8100**	Dokument ansvarlig	**Tlf.: +45 9675 8000**	forsikrer at
FR:	Le fabricant		Responsable de la documentation		déclare par la présente que
ES:	Fabricante		Responsable de la documentación		declara que
IT:	Produttore		Responsabile documentazione tecnica		dichiara con la presente che
GR:	Κατασκευαστής		Υπεύθυνος τεκμηρίωσης		δια του πρόντος δηλώνεται ότι
FI:	Valmistaja		Edustaja		vakuutan, että
PL:	Producent		Odpowiedzialność za dokumentacje		niniejszym oświadczam
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ARAB:	المُصنع		الممثل		أعلن هنا عن

GB:	Machine **Lift Trolley**	Name **Mil-tek**	Type	**LT707**	Serial no.:	**LT707-ST-3-0-0001 to LT707-ST-3-0-9999**	Year of construction **2014**
DK:	Maskine	Mærke	Type		Serie nr.:		Konstruktions år
DE:	Maschine	Marke	Typ		Seriennr.:		Herstellungsjahr
NL:	De machine	Naam	Type		Serienummer:		Bouwjaar
SE:	Maskin	Namn	Typ		Serienr:		Tilverkningsår
NO:	Maskin	Navn:	Type		Serienr.:		Produksjonsår
FR:	la machine	Nom	Type		N° de série:		Année de construction
ES:	Máquina	Nombre	Tipo		No. de serie:		Año de fabricación
IT:	Macchina	Marchio	Tipo		N. Seriale.:		Anno
GR:	Μηχανή	Όνομα	Τύπος		Αρ. σειράς.:		Έτος κατασκευής
FI:	Kone	Nimi	Tyyppi		Sarjanumero:		Valmistusvuosi
PL:	Maszyna	Nazwa	Typ		Numer serii:		Rok produkcji
PT:	A máquina	Nome	Tipo		N° de série.:		Ano de construção
RUS:	Машина	Название	Тип		серийный номер.:		Год постройки
ARAB:	الآلة	لاسم	النوع		الرقم التسلسلي:		سنة التصنيع

GB:	is in conformity with the provisions of the Machinery Directive (directive 2006/42/EC) and with national implementing legislation.
DK:	er i overensstemmelse med Maskindirektivets bestemmelser (direktiv 2006/42/EF).
DE:	konform zu den Bestimmungen der EU-Maschinenrichtlinie 2006/42/EC, sowie der nationalen Gesetzgebung ist.
NL:	in overeenstemming is met de bepalingen van de EG-Machinerichtlijn. (Richtlijn 2006/42/EC) en met de nationale overeenkomstige toepasbare wetgeving.
SE:	som omfattas av denna försäkran är i överensstämmelse med maskindirektiv (direktiv 2006/42/EC) och uppfyller nationell lagstiftning.
NO:	er i samsvar med forskriftene i maskindirektivet (direktivene 2006/42/EC) og nasjonal implementeringslovgivning.
FR:	est conforme aux dispositions de la Directive Machines (Directive 2006/42/CE) et à la législation nationale correspondante d'application.
ES:	es conforme a las disposiciones de la Directiva para Maquinaria (directiva 2006/42/EC) y a las leyes nacionales de aplicación.
IT:	è conforme a quanto previsto dalla Direttiva sui Macchinari (direttva 2006/42/EC) e successivi emendamenti di legge.
GR:	είναι σύμμορφη με τις διατάξεις της Κατευθυντήριας Οδηγίας Μηχανών (κατευθυντήρια οδηγία 2006/42/ΕΚ) και με την εφαρμοστέα εθνική νομοθεσία.
FI:	on koneturvallisuutta koskevan direktiivin (direktiivin 2006/42/EY) ehtojen ja kansallisen toimeenpanolainsäädännön mukainen.
PL:	jest zgodna z postanowieniami Dyrektywy o Urządzeniach (dyrektywa 2006/42/EC) oraz z narodowymi wdrożeniami ustawodawczymi.
PT:	está conforme às normas da Directiva relativa às Máquinas (Directiva 2006/42/CE) e à legislação de aplicação nacional correspondente.
RUS:	В соответствии с положениями машины (Директива 2006/42/EC) и национального законодательства об осуществлении.
ARAB:	وفقا لشروط توجيه الآليات (التوجيه 2006/42/EC) وتشريعات التنفيذ الوطنية.

GB:	Surname, First name	**Skannerup, Kristian**	Position	**President**	Company	**Mil-tek Danmark A/S**
DK:	Navn, Fornavn		Stilling		Firma	**Torstedvej 4-8**
DE:	Name, Vorname		Position		Firma	**DK-6990 Ulfborg**
NL:	Voornaam, Naam		Verantwoordelijke		Firma	**Denmark**
SE:	Efternamn, Förnamn		Befattning		Företag	
NO:	Etternavn, fornavn:		Stilling		Foretak	
FR:	Prénom, Nom		Responsabilité		Société	
ES:	Apellido, Nombre		Puesto		Empresa	
IT:	Cognome, Nome		Ruolo in azienda		Azienda	
GR:	Επώνυμο, Όνομα		Θέση		Εταιρεία	
FI:	Sukunimi, Etunimi		Asema		Yritys	
PL:	Nazwisko , Imię		Stanowisko		Firma	
PT:	Nome, Apelido		Responsabilidade		Firma	
RUS:	Фамилия, Имя		Должность		Компания	
ARAB:	اللقب، الاسم الأول		المنصب		الشركة	

DK-6990 Ulfborg 06/01 - 2014

Place, Date, Signature	Sted, dato, underskrift	Ort, Datum, Unterschrift	Plaats, Datum, Handtekening	Ort, datum, Signatur
Sted, dato, signatur	Lieu, Date, Signature	Lugar, Fecha, Firma	Luogo, Data, Firma	Τοποθεσία, Ημερομηνία, Υπογραφή
Paikka, päiväys, allekirjoitus	Miejsce, data, podpis	Lugar, data, assinatura	Место, дата, подпись	المقر، التاريخ، التوقيع

Mil-tek Danmark A/S • Torstedvej 4-8, DK-6990 Ulfborg • Tel. +45 9675 8000 • info@miltek.dk • www.mil-tek.com

1. General Remarks

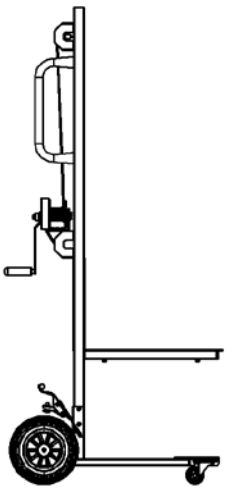
This machine was manufactured in conformity with the generally known rules of technology and security was thoroughly tested in the workshop before leaving the factory.
Before the machine is used for the first time, it shall be examined with regard to possible damage occurred during transportation.
The use of the device restricts to the specified use in a safeguarding perfect condition.
We absolutely take no liability for operating errors.
The above information is based on the data available at the print time of this document.
We reserve the right for technical alterations within the frame of the product development.

1.11 Basic Safety Instructions

The manager shall only allow trained personnel to operate the device.
Every operator shall be supplied with one copy of the accident prevention regulation BGVD 27 (industrial trucks).

2. Field of Application

The machine has been designed as a manually movable Lift Trolley and shall only by used in conformity with its purpose, which mean to lift, stack and process of non-palettized goods within the company.



2.1 Model No. LT707

Model with platform lifting device and swivel castors in the paw arms for easily mowing of the goods.
As a standard, this model is equipped with a brake for both solid rubber wheels.
This device is for transportation, to lift and stack of non-palettized loads.

The load capacity is max. 150 kg, at a main weight focus distance of 250 mm.

The total lift height is 1400 mm.

2.2 Non confirm use of the device

It is not allowed to:

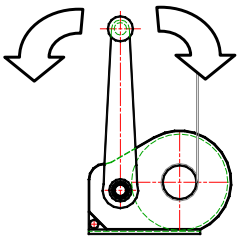
- Exceed the maximum permitted load (please refer to the technical data sheet, rating plate showing the load capacity).
- To carry persons.
- To work below the suspended load under the Lift Trolley.
- To use the machine as an elevator or for supporting means.
- The use of the trolley on ascending or descending ways.
- The use of the device by people who do not know the operating instructions for the device.
- The fixing of attachment to the device.
- Uneven disposition of the weight load into the device.
- Endanger people in the working area.
- To use the device as working platform.

3. Commissioning and Operation

The operator has to make sure that the machine is in operationally reliable condition.

3.1 Lifting/ lowing of loads/ weight load device

Lifting Loading



Lifting: Turn the hand crank clock wise.
Holding: Simply stop turning the hand crank and the load will be held in any position.
Lowing: Turn the hand crank anti clock wise to lower the load.
A throwback of the hand crank is prevented by the built–in automatic brake (weight pressure brake system).

3.2 How to move a load

With lifted load suspension device, the machine shall only be moved as far it is absolutely necessary. Elsewise only move the device, when the load is lowered to bottom position!

Tilt the truck by means of the sliding handles and move it in the same way as a trolley. Due to the rolls situated in the supporting arms it is possible to move the device in upright position towards work-benches, shelves, tables for the picking up or putting down loads only!

3.3 How to activate the brake on the trolley

The Lift Trolley is a standard equipped with a lock-type brake.

Fixing as well as loosening the brake results from actuating up and down the inner tube by foot.

4. Maintenance

The Lift trolley have been thoroughly tested before leaving the factory and is almost maintenance free.

The wire on the winch has to be regularly checked for wear and tear.
Death criterion according to DIN 15020:
For example pinched spots, breach of single wire cables.

Please replace the wire rope immediately after appearance of damage.

It is NOT allowed to use a device with a damaged wire rope.

The winch is lubricated by the manufacturer.
We recommend to lubricate the bearing bush of the drive shaft and the drum hub regularly.

The gear rim has to be oiled regularly!
The thread of the hand crank must also be greased at all time.

Attention:

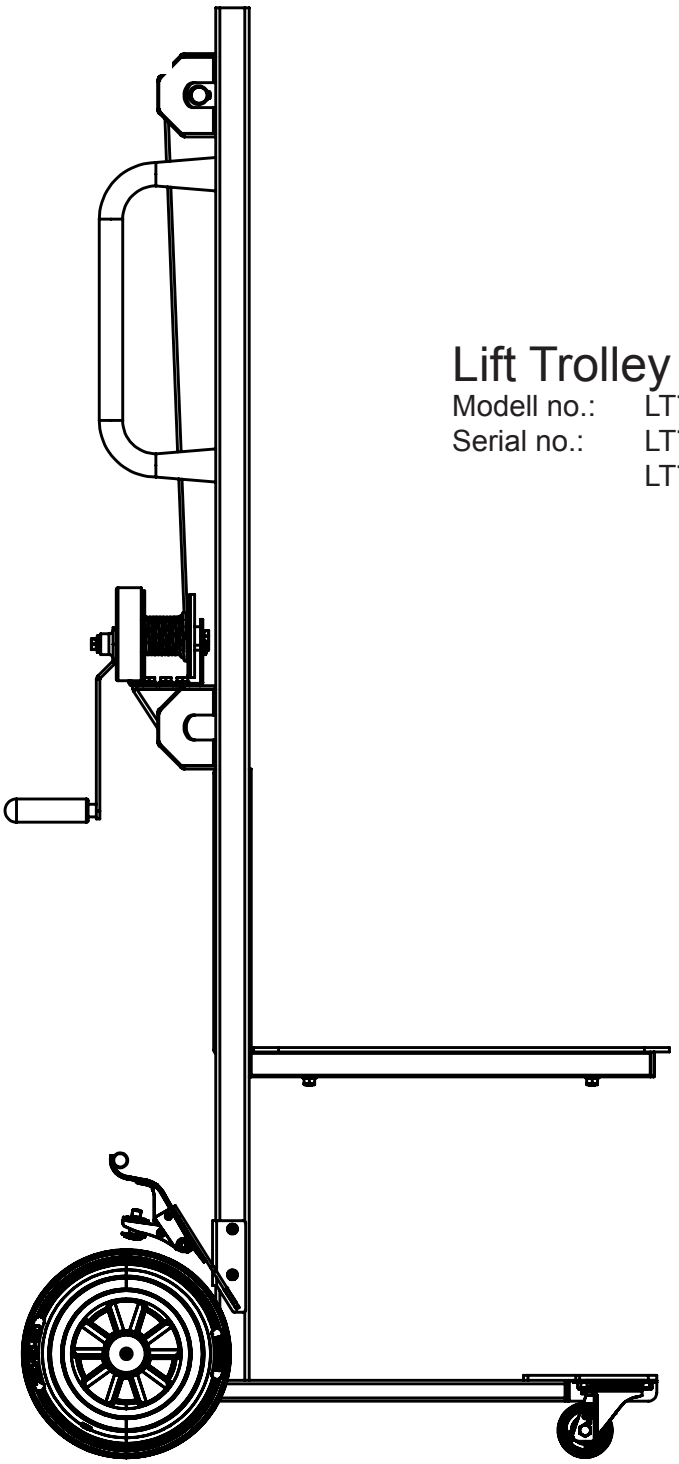
Please do not oil or lubricate the brake mechanism!

The hand crank has to be checked from time to time according to the operation conditions and the ambient circumstances in the work place, but at least once a year, through a competent person **(*)**

Please find further information in attachment AL-KO rope winch.

Only original spare parts shall be used for repairs

***(*) Qualified persons** are defined as being persons who possess sufficient knowledge in the field of winches and pulling and lifting devices and who are familiar with the governmental work protection, accident prevention regulations, guide lines and generally applied rules of technology (e.g. DIN Standards) to such an extent that they can identify the safe working conditions of winches and pulling and lifting devices.*



Lift Trolley

Modell no.: LT707
Serial no.: LT707-ST-3-0-0001 to LT707-ST-3-0-9999

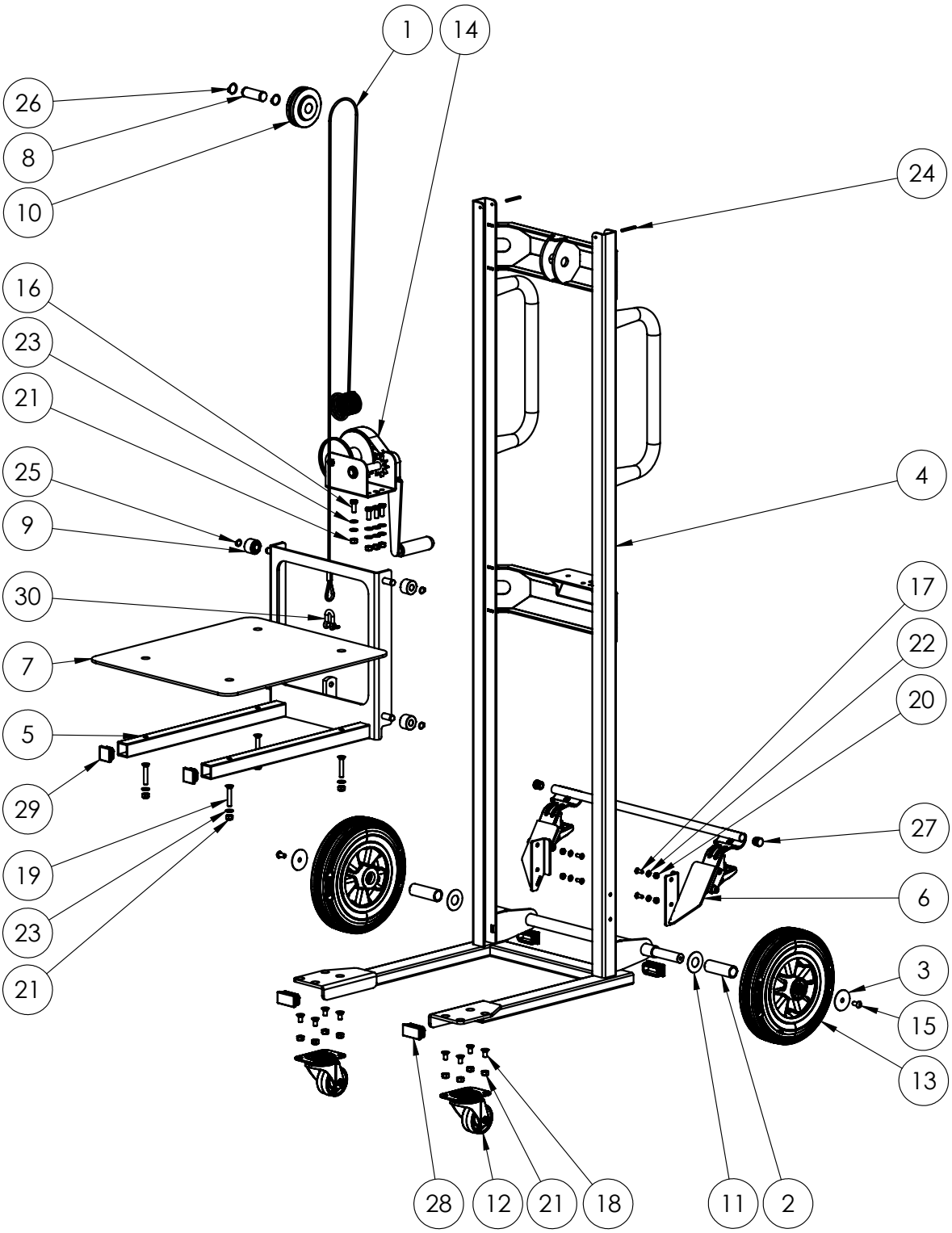
Please read the operating instructions before the use of the device

DETECTION AND ELIMINATION OF FAILURES

Kind of failure	Failure identification (possible defect)	Failure elimination
Trolley not/ only hardly movable	- Stopped brake	- Release the brake (see operation instruction paragraph 3.3)
Load will not be held in a lifted position	- Wrong winding up of the wire on the winch	- Remount the wire in the right way
	- A wom or defect winch brake	- **(*)** Check the brake unit and renew the worn or defect parts
	- Wet or oily brake disc	- **(*)** Clean or replace the brake discs
Weight pressure brake can not be released / Difficult lowering with and without load	- Brake disc mechanism/ brake disc brace or stuck hand crank	- **(*)** Release the brake through a light hit with palm on the hand crank in lowering direction without load! (Maybe try to lock the cog wheel until the hand crank gets slack. Please lubricate the hand crank thread)

*(*) **Qualified persons** are defined as being persons who possess sufficient knowledge in the field of winches and pulling and lifting devices and who are familiar with the governmental work protection, accident prevention regulations, guidelines and generally applied rules of technology (e.g. DIN Standards) to such an extent that they can identify the safe working conditions of winches and pulling and lifting devices.*

LIST OF SPARE PARTS



A	First check in	10-03-2014	PGR
Rev.:	Description:	Date:	Int.:

Model: 707	Status: Approved	Date: 10-03-14	Constructor: PGR
Title: Lift Trolley 707		Drawing no.: 707-9-000	
File: 707-9-000		A4	SHEET 1 OF 2

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COMPLETE, PARTS LIST

POS:	QTY.:	ITEM NO.:	PART	DESCRIPTION
1	1	221708	707-5-054	Wire for lifting fork
2	2	221709	707-5-060	Wheel shaft bushing
3	2	221711	707-5-062	Washer for wheel shaft
4	1	221700	707-1-001	Chassis
5	1	221701	707-1-002	Lifting fork
6	1	221702	707-1-003	Wheel brake
7	1	221703	707-5-050	Lifting plate
8	1	221704	707-5-051	Shaft for wire pulley
9	4	221706	707-5-053	Lifting fork wheel
10	1	221705	707-5-052	Wire pulley
11	2	221710	707-5-061	Washer for wheel shaft
12	2	221712	0012-5-001	Swivel castors 65x30
13	2	221713	0012-5-002	Wheel 250x60
14	1	221714	0013-1-001	Winch 351
15	2	770006	001-208-08-016	Hex socket head BH. ISO 7380 - M8x16
16	4	770101	001-013-08-020	Hex head screw DIN 933 - M8x20
17	4	770059	001-104-06-016	Hex socket head UH. DIN 7991 - M6x16
18	8	770018	001-104-08-016	Hex socket head UH. DIN 7991 - M8x16
19	4	770017A2	001-104-08-045	Hex socket head UH. DIN 7991 - M8x45
20	4	770520	001-179-06-000	Lock nut DIN 985 - M6
21	16	770521	001-179-08-000	Lock nut DIN 985 - M8
22	4	771000	001-820-06-000	Facet washer DIN 125 B - ø6,4x12x1,6
23	12	771001	001-820-08-000	Facet washer DIN 125 B - ø8,4x16x1,6
24	2	771415	001-895-05-040	Spring pin DIN 1481 - ø5x40
25	4	770900	001-897-12-000	Circlip external DIN 471 - ø12x1
26	2	770902	001-897-20-000	Circlip external DIN 471 - ø20x1,2
27	2	880153	002-104-18-003	Tube Insert - ø18,0 0,8-2,5
28	4	880154	002-107-25-050	Tube insert - 50x25 0,8-3
29	2	880167	002-108-30-030	Tube insert - 30x30 2,5-5
30	1	771170	002-111-08-000	Shackle DIN 82101 A-form - 0,25 (ø8 shaft)

Model: 707	Status: Approved	Date: 10-03-14	Constructor: PGR
Title: Lift Trolley 707		Drawing no.: 707-9-000	
File: 707-9-000		A4	SHEET 2 OF 2

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