



PORTABLE HYDRAULIC CRANES “DLG005” “DLG010” “DLG020”



LARZEP, S.A.
Avenida Urtiaga, 6
48269 MALLABIA, SPAIN
Tel. +34 943 171200
Fax. +34 943 174166
e-mail: sales@larzep.com
www.larzep.com

LARZEP AUSTRALIA PTY. LTD.
139 Wedgewood Road,
HALLAM, VIC. 3803 AUSTRALIA
Tel. +61 (3) 9796 3744
Fax. +61 (3) 9796 5964
e-mail: sales@larzep.com.au
www.larzep.com.au

LARZEP AUSTRALIA PTY. LTD.
49A Sustainable Avenue
BIBRA LAKE, WA 6163 AUSTRALIA
Tel. +61 (8) 9418 4988
Fax. +61 (8) 9418 2644
e-mail: sales@larzep.com.au
www.larzep.com.au

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ANNEX

❖ GENERAL DRAWING

1. BEFORE USING THE EQUIPMENT.

The present manual is part of the machine in itself; it must be read and conserved.

The omission of these instructions may cause personnel injuries and material damages, which LARZEP, S.A. will not be responsible.

On the unpacking moment, check for:

- Damages in the cylinder body or hose.
- Signs of corrosion.
- Oil leaks.
- Damages in the frame, chain or hook.
- Unscrewed or damaged nut.
- Inappropriate accessories installation.

If any anomaly is detected, do not use the equipment; place it in a safe and clean place, where the children or operators can not access, until the equipment be repaired.



Do not operate near the hydraulic equipment with flames or intense warm sources.
The crane must not be submitted to higher temperatures than 60° C.

The foreseeable use of the cranes, are the lift of big loads, and transport operations, they are provided with:

1. Portable framework, for it comfortable transport, use in small windlass, and storage in a minimum area.
2. Incorporated wheels for an easier transport.
3. Spinning wheels in order to make easier the manoeuvrability.
4. Extendable jib for reach different working distances.
5. Frame of squared tube or rectangular profile, which make a unit rigid and light.
6. Chain of the hook adjustable in height to reach the load without acting in the hydraulic equipment.

Use the appropriate protection devices, such as:



Helmet



Goggles

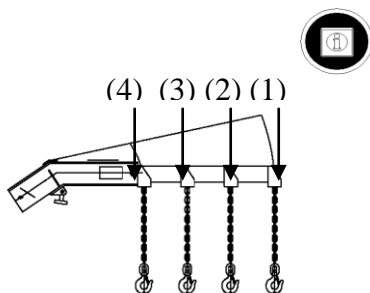


Gloves

2. TECHNICAL FEATURES.

MODEL	DLG005	DLG010	DLG020
MAXIMUM CAPACITY Kg	500 Kg.	1000 Kg.	2000 Kg.
MAXIMUM HEIGHT WITH EXTENDED JIB	2340 mm.	2340 mm.	2770 mm.
WEIGHT Kg	73 Kg.	97 Kg.	175 Kg.
CAPACITY	0.6 litres	1 litre	
MAXIMUM PRESSURE	725 Kg./ cm ²	725 Kg./ cm ²	725 Kg./ cm ²

The extended jib has four positions, according to they are these positions thus will be the load:



- ❖ Have in mind that when we extend the jib, the lifting capacity goes diminishing, see the following table, not to pass the admissible load in each jib position.
- ❖ Never exceed the nominal capacity, specified in the cranes labels and always choose accessories with basic nominal characteristics, superiors than 25% as minimum, to the heaviest work conditions.

	4	3	2	1
DLG005	500 Kg.	400 Kg.	250 Kg.	150 Kg.
DLG010	1000 Kg.	800 Kg.	600 Kg.	300 Kg.
DLG020	2000 Kg.	1800 Kg.	1700 Kg.	1600 Kg.

Any inappropriate use, abuse of the equipment or omission of instructions, that could suppose a fault or risk, will not be responsibility of LARZEP, S.A.

3. START UP.

1. Purge the hydraulic circuit before using. Pump several times the oil with the drive screw in open position, and close it, after this operation.
2. Locate the crane in a stable and safe surface, in a way that all the supports or the wheels of the crane be supported, if even so are doubts about the stability of the crane, put a steel sheet in the base of the equipment.
3. The constraint of the load in the hook must be done with slings that could support a nominal load greater than the crane. Make sure that the hook of the crane is correctly positioned.
4. Avoid making sure the load in only one point, mainly if the load has a length or width greater than one metre. Use separating crossbeams of the loads, whenever we must work with long or sliding loads, in a way that the cables or slings maintain always perpendicularly to the load.
5. Always operate with the load fixed in several points, and fix this point with eye bolts, or security closing rings, always avoiding the load displacement.
6. Before lift the load, always make sure that the load is fixed and that there is no possibility of lateral displacements of the load.
7. The hydraulic cylinders acting must be done by means of the jack.
8. Do not operate the cylinder without load, if we do it, the interior of the cylinder will be exposed to a pressure, making suffer the piston and the crane to unnecessary stress and diminishing the life of the cylinder.
9. The crane is a lifting system and could be a load transport system. In case that it was essential, lower the extension jib to the lowest position, before starting the transport.



Do not stand under the load anybody, especially when the load is lifted.

- 10.
11. To elevate the load, act over the lever.
12. To return, turn the wheel in the opposite sense of the needles of the clock.
13. If we have to maintain the load elevated for a long time, block it mechanically or put it on the ground, an elevated load never can be without supervision.
14. Once we have finished the work, and before depressurizing the equipment, make sure that the load's dangerous zone is free by operators.
15. Store the crane in vertical position and cover it with a plastic, to protect it from the dirt and others elements that could damage it.
16. Always keep the cylinder's superior part dry ant protected, and if it is stored with the piston extended, protect the piston with grease.

4. MAINTENANCE.

- ❖ The hydraulic equipment, in normal conditions, requires only a monthly lubrication of mobile parts.
- ❖ If the environmental conditions are extremely hard above wet and salinity, the grease operation must be done after each use.
- ❖ In case of oil leaks, it must be disassemble the jack and by means of the filing gap, add the oil.
- ❖ The oil type is hydraulic mineral of viscosity 22-32.
- ❖ In DLG005 model the oil quantity needed is 0.6 Litre.
- ❖ In DLG010 model, the oil quantity needed is 1 litre.



NEVER USE IN THE HYDRAULIC CIRCUIT, BRAKE FLUIDS OR OTHERS THAT DO NOT BE LARZEP HYDRAULIC OIL.



Never disassemble any element of the hydraulic circuit when it is under pressure.



The hydraulic oil is toxic in blood; never expose a finger or organism part in an oil leak, because, due to the leak's pressure, it is possible to inject oil in the blood current.

5. WARRANTY.

LARZEP, S.A. guarantees its products against all design and manufacturing defects for the durations of two years from the date of purchase. This guarantee does not include the ordinary wear of both metal and non-metal parts, abuse, using the equipment beyond its rated capacity and any wear or damage incurred as a result of using a hydraulic fluid which is not recommended by **LARZEP, S.A.**

Please note that if the equipment is disassembled or serviced by anyone other than an authorized service dealer or by **LARZEP, S.A.**, this guarantee is rendered null and void.

In the event of a warranty claim, return the equipment, to **LARZEP, S.A.** or the authorized dealer which sold you the hydraulic equipment, **LARZEP, S.A.** will repair or replace the faulty equipment, whichever is deemed most appropriate. **LARZEP, S.A.** shall not be held liable for any consequential damages or losses, which may occur as a result of faulty equipment

6. DECLARATION OF CONFORMITY.**DECLARACION DE CONFORMIDAD****E**

LARZEP, S.A.
Dirección: Avda. Urtiaga, 6
48269 Mallabia ESPAÑA

Declaramos bajo nuestra exclusiva responsabilidad la conformidad de los productos a los que refiere esta declaración, con las disposiciones de la directiva: 2006/42/CE

DECLARATION DE CONFORMITE**F**

Nous, LARZEP, S.A.
Adresse: Avda. Urtiaga, 6
48269 Mallabia SPAIN

Déclarons sous notre seule responsabilité que les produits auxquels se réfère cette déclaration sont conformes aux dispositions des Directives: 2006/42/EC

DECLARAÇÃO DE CONFORMIDADE**P**

Nós, LARZEP, S.A.
Endereço: Avda. Urtiaga, 6
48269 Mallabia SPAIN

Declaramos, sob nossa única responsabilidade, que os seguintes produtos, incluídos nesta declaração estão em conformidade com o disposto na Directiva: 2006/42/EC

ÖVERENSSTEMMELSESERKLÄRING**DK**

Vi, LARZEP, S.A.
Adresse: Avda. Urtiaga, 6
48269 Mallabia SPAIN

Erklærer på eget ansvar, at følgende produkter som er omfattet af denne erklæringen, er i overensstemmelse med bestemmelserne i Direktiv: 2006/42/EC

ERKLÆRING OM OVERENSSTEMMELSE**N**

Vi, LARZEP, S.A.
Adresse: Avda. Urtiaga, 6
48269 Mallabia SPAIN

Erklærer på eget ansvar, at følgende produkter som dekkes af denne erklæringen, er i overensstemmelse med bestemmelserne i Direktiv: 2006/42/EC

ÜBEREINSTIMMUNG SERKLÄRUNG**D**

Wir, LARZEP, S.A.
Anschrift: Avda. Urtiaga, 6
48269 Mallabia SPAIN

Erklären auf eigene Verantwortung, daß folgende Produkte, auf die sich diese Erklärung bezieht, mit den Bedingungen der Direktiven, 2006/42/EC Übereinstimmen.

Tipo, Type, Typ, Tyyppi.

SM / SH / SP / SMP / SPR / SX / SMX / ST / STR / STX / SL / SAM / SAH / SAT / SATM / SSR / T / TE / TD / D / DH / DDR / DAH / DDA / DM / DI / JM / JH / JP / Z / ZR / W / WP / X / HAM / HAE / HAZ / HAG / HAS / HFM / HFE / HAP / HAT / HAB / WI / CK / CC / CN / FU / FV / FZ / FA / FX / FT / CY / AA / AU / CT / C / KC / LAS / LAX / CB / CH / CM / PH

A / AB / AC / B / AF / F / HN / HL / DLG / VA / VB / VC / VZ / ECE / ECM / ECZ / EE / EM / EZ / CA / CS

AZ / AP / AR / AV / AT / AX / AY / AM

Mallabia, ESPAÑA 2009 / 12 / 29

Lugar y fecha, place and date, lieu et date, plats och datum, paikka ja päivämäärä, udstedelsessted og dato, ort und datum, plaats en datum, local e data, luogo e data.

DECLARATION OF CONFORMITY**GB**

We, LARZEP, S.A.
Address: Avda. Urtiaga, 6
48269 Mallabia SPAIN

Declare under our sole responsibility that the following products to which this declaration relates conform with the provisions of Directives: 2006/42/EC

DICHIARAZIONE DI CONFORMITÀ**I**

Noi, LARZEP, S.A.
Indirizzo: Avda. Urtiaga, 6
48269 Mallabia SPAIN

Dichiariamo sotto la nostra esclusiva responsabilità che i prodotti ai quali questa dichiarazione si riferisce sono conformi quanto previsto dalle Direttive: 2006/42/EC

VAATIMUSTEMUKAISUUSVAKUUTUS.**FIN**

Me, LARZEP, S.A.
Osoite: Avda. Urtiaga, 6
48269 Mallabia SPAIN

Vakuutamme yksinomaan omalla vastuullamme, että seuraavat tuotteet, joihin tämä vakuutus liittyy, ovat seuraavien Direktiivien vaatimusten mukaisia: 2006/42/EC

VERKLARING VAN OVEREENKOMST.**NL**

Wij, LARZEP, S.A.
Adres: Avda. Urtiaga, 6
48269 Mallabia SPAIN

Verklaren geheel onder eigen verantwoordelijkheid dat de volgende producten, waarop deze verklaring heeft in overeenstemming zijn met de bepalingen van Richtlijn: 2006/42/EC

FÖRSÄKRAN OM ÖVERESSTÄMMELSE**S**

Vi, LARZEP, S.A.
Adress: Avda. Urtiaga, 6
48269 Mallabia SPAIN

Försäkrar under eget ansvar att följande produkter som omfattas av denna försäkran är i överensstämmelse med villkoren i Direktiv: 2006/42/EC

LARZEP, S.A.

Nombre y firma, name and signature, nom et signature, namn och underskrift, nimi ja nimikirjoitus, navn og underskrift, name und underskrift, naam en handtekening, nome e assinatura, nome e firma.

