



HYDRAULIC CUTTER “CK0116” “CK0125”

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1. SAFETY ESSENTIAL REQUIREMENTS

GENERAL CONSIDERATIONS

The LARZEP hydraulic cutters have been designed in accordance with our Quality Standards and under the control described by the ISO 9001 rules.



Bearing the above in mind, obviously the use of the cutter must be done as per the relevant instructions described in the manual. The user must be aware of the inherent risks when handling high pressure hydraulic devices, command properly the working operation and instruct accordingly the staff staying in the nearby area to the tool.

The tool is only designed for the operations described in this. No other uses are foreseen and therefore the manufacturer will not feel responsible for any damages caused by a wrong operation of the tool.

ORGANIZATIVE PRINCIPLES

The instructions guide must be always available at user's reach.

Hydraulic equipment can be used with such little effort that it is often easy to forget the magnitudes of force involved. As a complement to the instruction manual, the user should be trained as far as the machine operation and the corresponding safety and technical rules are concerned, such as those about prevention of accidents and protection of environment. **The operators must wear protective clothes like helmet, glasses, gloves, boots and others.**



Helmet



Glasses



Gloves



Boots

- ❖ In order to prevent any personal or material damage, the operator should be duly trained in the working operation and apply the relevant safety actions.
- ❖ Whenever the tool is operated, the steps described in the paragraph “START UP” of this manual should be followed.
- ❖ Any modification on the tool or replacement of components affecting the general safety should be avoided without the previous authorisation by the manufacturer.
- ❖ Any repairing and maintaining operation, etc. should be done only by specialised staff and with original spare parts **LARZEP**.
- ❖ If it is used, replace the hydraulic hoses periodically even if at first sight that don't show any damage or fault.
- ❖ Effect the suggested maintenance operations periodically as per this manual
- ❖ After operation, the tool should be clean and store fully retracted in a safe and clean place.

GENERAL INSTRUCTIONS FOR SAFETY

- **For all cutters**



Check that both the tool and the accessories have not experienced any damage during transportation, handling or installation. Ensure that all the components of the hydraulic system, can support the maximum pressure.

Before starting the operation, make sure that the user will work steady.

Use safety equipment: protection of eyes, hands and feet.

Operate the tool in properly light powered areas.



Limit a maximum value of 80% of nominal capacity in continuous operation.



Do not expose the tool to intense heat, such as when welding.

- ❖ Effect the maintenance operations at no pressure and disconnected.
- ❖ Do not overpass the nominal capacity of the machine. Use indicators and devices to be aware of the working pressure.
- ❖ All commands should be operated by hand. Do not use any tools or levers for that purpose.
- ❖ After operation, clean and store them in the box.

- **For kits, cutter + pump**

- ❖ Make sure about the perfect cleaning of coupling and accessories. Dirty couplings are difficult to connect and might cause dust and other dirty materials to penetrate into the hydraulic circuit
- ❖ When using electric pump, make sure that the distributor valve is in neutral position when plugging the pump.
- ❖ Ensure that heavy or sharp objects do not fall or are placed on the hose.
- ❖ Do not pressurize the hose by pumping against the coupling, before connecting pump and tool.
- ❖ The choice of pumping system (hand, air-driven, petrol powered or electric) depends upon the application, ensure that the reservoir contains at least 25% more oil than required to fill both the cutter and connected hoses.



INSTRUCTION MANUAL
Hydraulic Cutter “CK0116” “CK0125”

2. TECHNICAL SPECIFICATIONS

Model: CK 01 16 - CK 01 25

	CK0125	CK0116
Push capacity (700 Kg/cm ²)	350kN	140kN
Stroke	32mm	20mm
Effective area	56,7cm ²	19,6cm ²
Oil capacity	181,4 cm ³	39,2cm ³
Weight	15,6kg	4,5kg

- ❖ Single acting, spring return
- ❖ Balls half-quick male coupler
- ❖ Handle.
- ❖ Interchangeable blade

PERFORMANCE

BAR

Minimum diameter: 5 mm

CK0125	CK0116	
Bar diameter mm.	Bar diameter mm.	Strength Kg/cm ²
30		70
25		100
20	13	140
17	11	160

CHAIN

CK0125	CK0116		
Chain Diameter max. mm.	Chain Diameter max. mm.	Strength	Standard
30	19	28-43-50	DIN 766 - DIN 762
20	14	60-80	DIN 766 - DIN 762

3. START UP

- Assemble the complete system, and make sure about the perfect fitting of pump, hose, coupler and tool.
- Make sure about the knowledge of pump chosen and who it work.
- Test the circuit, pumping oil into the tool. Opening the return valve (if it is necessary) to checking the blade return. Check the tool at maximum pressure, working the piston against the limit of stroke and return the blade. Repeat this operation to get used to the circuit.
- Insert the chain link or bar in the gap between blades (max. 30 mm.), actuate the pump until the material is broken. Return the movable blade by releasing the pump.

4. MAINTENANCE

REPLACEMENT OF BLADES

- Fixed blade:
Loosen the screw (20), and push the blade with a nail through the head hole. Remove the damaged blade, put a new one and tighten the screw (20).

- Movable blade:
Dismantle the screws (17), at the both side, and loosening the second screw (17), it is possible to unscrew the body from the head.
Next step, dismantle the piston, and unscrew the bolt (8), to get the blade free.
Put a new one and proceed opposite way to mount back again, controlling the position of the flat side of the piston.
The screws (17) work like the piston guide. Lock the screws leaving a enough gap for a well work of the spring.

REPLACEMENT OF SEALS

After dismantle the piston, unscrew the bolt (6), and pull out the piston from the body. Replace the seal and segment for the new ones. Do not use sharp edged tools. Use spare parts from LARZEP.
Take this opportunity to change the O-ring (18) and (21) and the guide (14).
To mount back again, proceed opposite way.

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

DECLARACION DE CONFORMIDAD

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

E

Declaramos bajo nuestra exclusiva responsabilidad la conformidad de los productos a los que refiere esta declaración, con las disposiciones de la directiva:
89/392/CEE, 91/368/CEE, 93/44/CEE, 93/68/CEE, 98/37/CEE

DECLARATION OF CONFORMITY

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

F

Déclarons sous notre seule responsabilité que les produits auxquels se réfère cette déclaration sont conformes aux dispositions des Directives:
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

DECLARAÇÃO DE CONFORMIDADE

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

P

Declaramos, sob nossa única responsabilidade, que os seguintes produtos, incluídos nesta declaração estão em conformidade com o disposto na Directiva:
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

ÖVERENSSTEMMELSESERKLÄRING

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

DK

Erklærer på eget ansvar, at følgende produkter som er omfattet af denne erklæringen, er i overensstemmelse med bestemmelserne i Direktiv:
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

ERKLÆRING OM OVERENSSTEMMELSE

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

N

Erklærer på eget ansvar, at følgende produkter som dekkes av denne erklæringen, er i overensstemmelse med bestemmelserne i Direktiv:
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

ÜBEREINSTIMMUNGSERKLÄRUNG

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

D

Erklären auf eigene Verantwortung, daß folgende Produkte, auf die sich diese Erklärung bezieht, mit den Bedingungen der Direktiven 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC übereinstimmen.

Tipo, Type, Typ, Tyyppe.

SM / SX / SP / SMX / SMP / SH / DH / D / SL / STX / TE / T / SMA / SHA / SS / DD / ST / KC / CT / C / CY / W / X / WA / XA / WH / WI / Z / YA / YG / YZ / A / AB / AC / AF / BL / B / F / HN / EC / EE / EG / EM / EZ / CC / CN / CK / CD / VA / VB / VC / VZ / CA / CS / DL / DP / DLG / AA / AU

Mallabia, ESPAÑA 2000 / 01 / 01

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

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

GB

Declare under our sole responsibility that the following products to which this declaration relates conform with the provisions of Directives:
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

DICHIARAZIONE DI CONFORMITÀ

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

I

Dichiaro sotto la nostra esclusiva responsabilità che i prodotti ai quali questa dichiarazione si riferisce sono conformi quanto previsto dalle Direttive:
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

VAATIMUSTEMUKAISUSVAKUUTUS.

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

FIN

Vakuutamme yksinomaan omalla vastuullamme, että seuraavat tuotteet, joihin tämä vakuutus liittyy, ovat seuraavien Direktiivien vaatimusten mukaisia:
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

VERKLARINGVAN OVEREENKOMST.

Wij, LARZEP, S.A.
Adres: Avda. Urtiaga, 6
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NL

Verklaren geheel onder eigen verantwoordelijkheid dat de volgende producten, waarop deze verklaring heeft in overeenstemming zijn met de bepalingen van Richtlijn:
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

FÖRSÄKRAN OM ÖVERESSTÄMMELSE

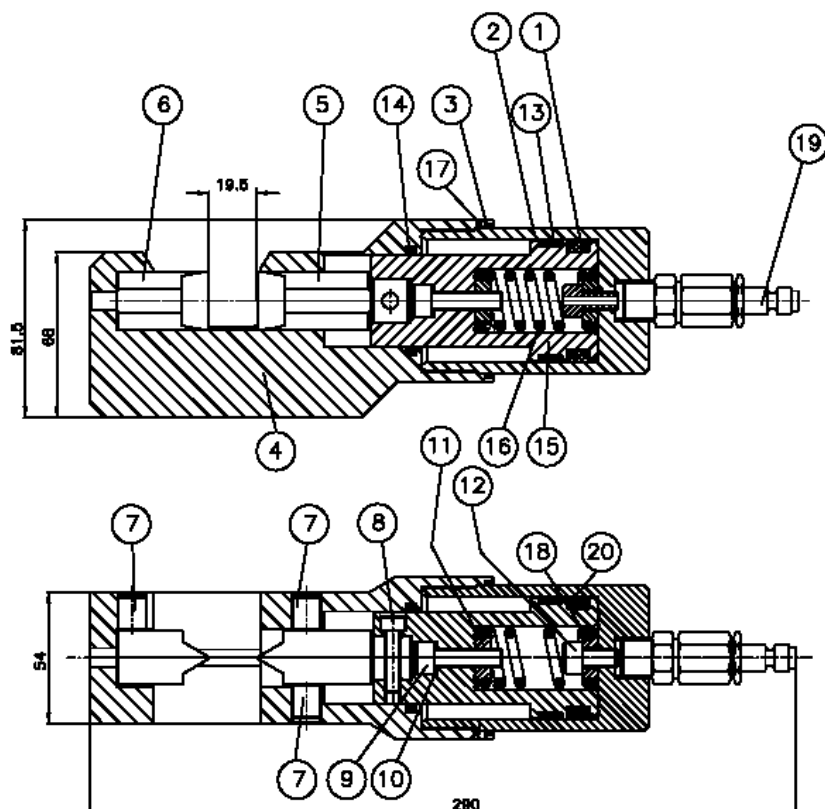
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48269 Mallabia SPAIN

S

Försäkrar under eget ansvar att följande produkter som omfattas av denna försäkrans är i överensstämmelse med villkoren i Direktiv:
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

LARZEP, S.A.

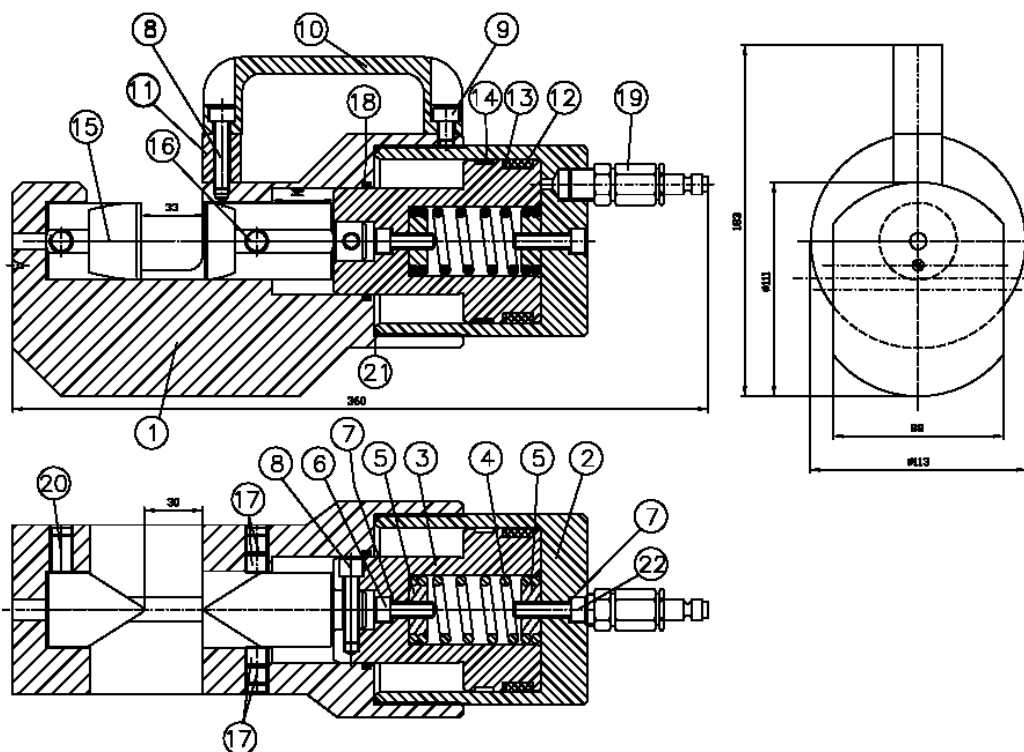
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MODELO	CAPACIDAD	LONGITUD	PESO	CADENA	RESISTENCIA EN GRADOS	NORMAS A UTILIZAR	BARRA	RESISTENCIA
CK0116	134.8 kN	290 mm.	4.5 Kg.	19 mm 14 mm	28-43-50 60-80	ASTM-413; DIN 5884 DIN 5685; DIN 764 DIN 766; DIN 762	Ø13 Ø11	140 Kg/mm ² 180 Kg/mm ²

* JUEGO DE RECAMBIOS

N	DENOMINACION	REFERENCIA JUNTAS	CODIGO	N Piezas
* 1	Collarin #40x#50x7.5	ITU 40-50/1	12B0260	1
2	CUERPO		52U0008	1
* 3	JUNTA TORICA #60.04x1.78		12A0269	1
4	CABEZA		56Q0006	1
5	CUCHILLA		CRK16/1	1
6	CONTRACUCHILLA		CRK16/2	1
7	ESPARRAGO ALLEN M12x16 DIN 913		14F0036	3
8	TORNILLO ALLEN M6x25 DIN 912 12.9		14A0167	1
9	TORNILLO ALLEN M6x30 DIN 912 12.9		14A0034	1
* 10	ARANDELA COBRE		57B0005	1
11	TIRANTE MUELLE		24F0108	1
12	TORNILLO ALLEN M6x16 CON DRIFICIO #3.5		1500077	1
* 13	ARO GUIA #50x#45x9.7	GP6900500-C380	58F0196	1
* 14	JUNTA TORICA #37.69x3.53		12A0006	1
15	EMBOLO		53S0007	1
16	MUELLE RETROCESO		13A0203	1
17	ESPARRAGO ALLEN M4x5		14F0033	1
18	TIRANTE MUELLE		24F0109	1
19	ENCHUFE MACHO BOLAS ESPIGA #15.5 3/8NPT		AZ3321	1
* 20	SEGMENTO		57A0294	1
21	ESTUCHE		21D0068	1
22	SEPARADOR ESPUMA		21A0008	1



MODELO	CAPACIDAD	LONGITUD	PESO	CADENA	RESISTENCIA EN GRADOS	NORMAS A UTILIZAR	BARRA	RESISTENCIA Kg/cm ²
CK0125	350 kN	360 mm.	14 Kg	# max. 30 # max. 20	28-43-50 80-80	ASTM-413; DIN 5684 DIN 5685; DIN 764 DIN 766; DIN 762	30 25 20 17	70 100 140 160

* JUEGO DE RECAMBIOS

N	DENOMINACION	REFERENCIA JUNTAS	CODIGO	N
1	CABEZA		5600005	1
2	CUERPO		52U0010	1
3	EMBOLO		53S0011	1
4	MUELLE		13A0339	1
5	TIRANTE MUELLE		24F0070	2
6	TORNILLO ALLEN M8x25		14A0047	1
* 7	ARANDELA DE COBRE		57B0005	2
8	TORNILLO ALLEN M8x35		14A0169	2
9	TORNILLO ALLEN M8x10		14A0154	1
10	ASA REF. TECNODIN 1157 13 200		33C0011	1
11	CASQUILLO PLETINA		15B0095	1
* 12	COLLARIN #75x#85x13	TTU 75-85	12B0277	1
* 13	SEGMENTO		57A0391	1
* 14	ARO GUIA #85x#80x9.7	GP6900850-C380	58F0203	1
15	CUCHILLA FIJA		CRK25/1	1
16	CUCHILLA DESPLAZABLE		CRK25/2	1
17	ESPARRAGO ALLEN M14x12 DIN-913		14F0038	4
* 18	JUNTA TORICA #55.56x3.53		12A0275	1
19	ENCHIFE MACHO BOLA ESPERA #16.8 3/8NPT		AZ3321	1
20	ESPARRAGO ALLEN M14x20 DIN-913		14F0039	1
* 21	JUNTA TORICA #90x2.5		12A0301	1
22	TORNILLO ALLEN M8x30		14A0034	1
23	ESTUCHE		21D0070	1