



## HYDRAULIC CUTTER “CK0016”



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## ANNEX

### ❖ GENERAL DRAWINGS

## 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



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. 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 CK0016, Hydraulic Chain Cutter with built-in 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.
    - ❖ Take all the necessities protective actions, clothes, helmet, and goggles.

## 2. TECHNICAL FEATURES

### MODEL: CK0016

	<b>CK0016</b>
<b>Push capacity (700 kg/cm<sup>2</sup>)</b>	135kN
<b>Length</b>	489 mm
<b>Weight</b>	5,10 kg

### PERFORMANCE

#### bar

CK0016	
Bar diameter mm	Strength kg/cm <sup>2</sup>
11 min.	1600
19 max.	700

### CHAIN

CK0016		
Chain Diameter mm	Strength by grades	Standards
14 min. 19 max.	60-80 28-43-50	ASTM-413, DIN5684, DIN5685, DIN764, DIN766, DIN762

## 3. START UP

1. Make sure about the knowledge of cutter using and who it work.
2. 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.
3. Insert the chain link or bar in the gap between blades (max. 30 mm.).
4. **Centre the material to be cut in the gap and look for the alignment with the tool.**
5. 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

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

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:  
89/392/CEE, 91/368/CEE, 93/44/CEE, 93/68/CEE, 98/37/CEE

**E****DECLARATION OF CONFORMITY**

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

Declarons 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

**F****DECLARAÇÃO DE CONFORMIDADE**

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:  
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

**P****ÖVERENSSTEMMELSEERKLÆRING**

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 bestemmelse i Direktiv:  
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

**DK****ERKLÆRING OM OVERENSSTEMMELSE**

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 bestemmelse i Direktiv:  
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

**N****ÜBEREINSTIMMUNGSEKTLÄRUNG**

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 89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC übereinstimmen.

**D**

Tipo, Type, Typ, Tyypä.

SM / SH / SP / SMP / SX / SMX / ST / STX / SL / SMA / SHA / SSR / T / TE / TD / D / DH /  
DDR / Z / ZR / W / X / YA / YG / YZ / HM / HE / HG / HZ / HS / WI / CK / CC / CN / FU / FV  
/ FZ / FA / CY / AA / AU / CT / C / KC

A / AB / AC / BL / B / AF / F / HN / DLG / DL / DP / VA / VB / VC / VZ / EC / EE / EG / EM /  
EZ / CA / CS

Mallabia, ESPAÑA 2005 / 04 / 27

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

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

**GB****DICHIARAZIONE DI CONFORMITÀ**

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:  
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

**I****VAATIMUSTEMUKAISUUSVAKUUTUS.**

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:  
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

**FIN****VERKLARING VAN OVEREENKOMST.**

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:  
89/392/EEC, 91/368/EEC, 93/44/EEC, 93/68/EEC, 98/37/EEC

**NL****FÖRSÄKRAN OM ÖVERESSTÄMMELSE**

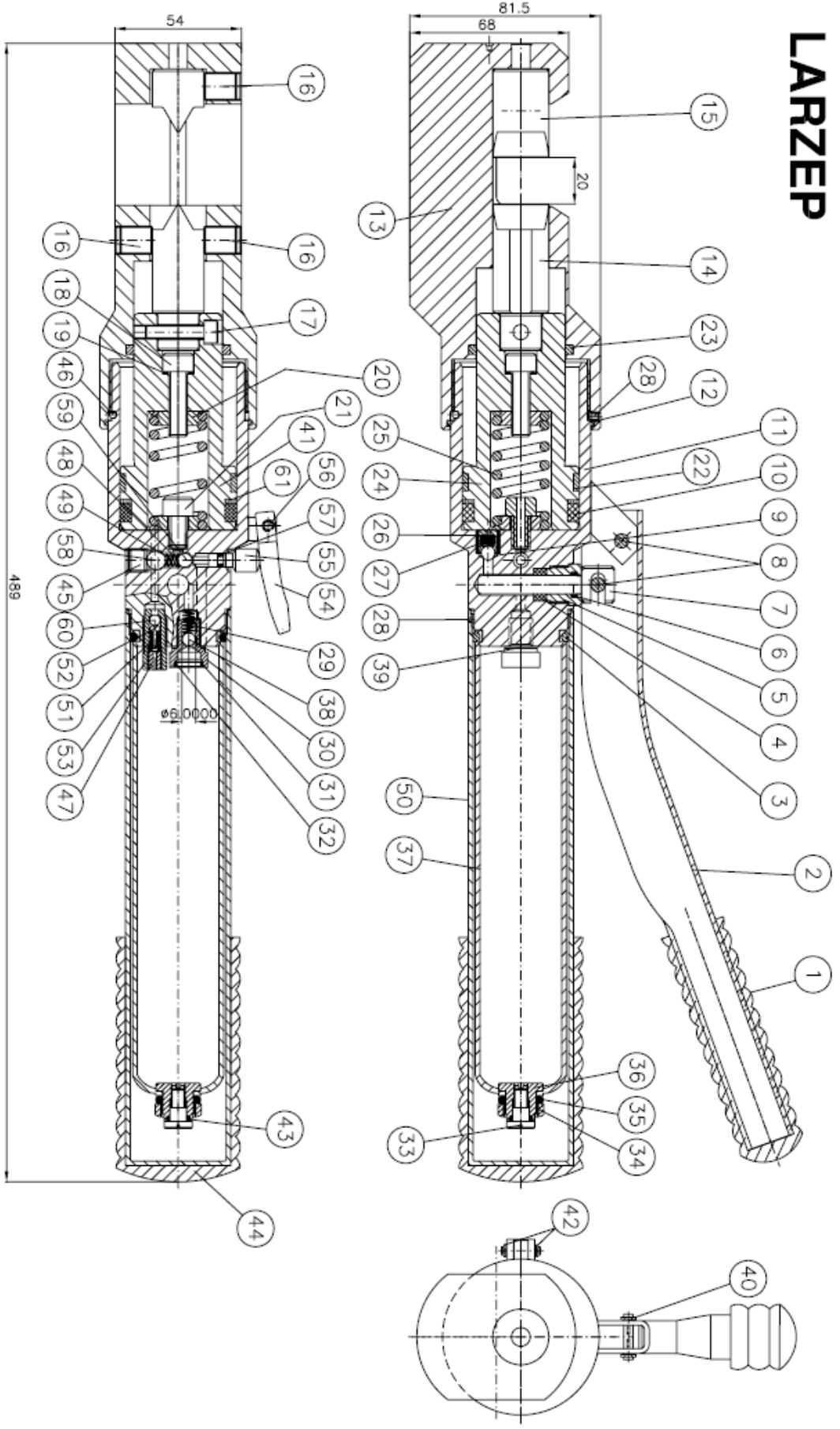
Vi, LARZEP, S.A.  
Address: Avda. Urtiaga, 6  
48269 Mallabia SPAIN

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

**S****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.

**LARZEP**



MODEL	CAPACITY	LENGTH	WEIGHT	CHAIN	STRENGTH BY GRADES	STANDARDS	BAR	STRENGTH
CK0016	134.8 kN	489 mm.	5.1 Kg.	19 mm 40 mm	28-43-50 60-80	ASTM-413; DIN 5684	Ø19 Ø15	700 N/mm <sup>2</sup> 1000 N/mm <sup>2</sup>



N	DESCRIPTION	REFERENCE GASKET	CODE	N PARTS
1	HANDLE		24C0032	1
2	LEVER		24A0037	1
3	O-RING $\phi 29.74 \times 3.53$		12A0004	1
4	Collar $\phi 8 \times \phi 14 \times 7$	TTU8-14	12B0254	1
5	INJECTOR GUIDE NUT		14B0038	1
6	O-RING $\phi 8.73 \times 1.78$		12A0286	1
7	PISTON		54A0023	1
8	PIN		15I0201	2
9	BALL $\phi 5.5$		31A0007	1
10	Collar $\phi 40 \times \phi 50 \times 7.5$	TTU 40-50/1	12B0260	1
11	BODY		52U0006	1
12	O-RING $\phi 60.04 \times 1.78$		12A0289	1
13	SADDLE		56Q0006	1
14	BLADE		CRK16/1	1
15	COUNTERBLADE		CRK16/2	1
16	ALLEN STUD M12x16 DIN 913		14F0072	3
17	ALLEN SCREW M6x25 DIN 912 12.9		14A0473	1
18	ALLEN SCREW M8x30 DIN 912 12.9		14A0474	1
19	COPPER WASHER		57B0005	1
20	SPRING TIE		24F0108	1
21	ALLEN SCREW M8x18 WITH HOLE $\phi 3.5$		1500077	1
22	GUIDE RING $\phi 50 \times \phi 45 \times 9.7$	GP6900500-C380	58F0196	1
23	O-RING $\phi 37.69 \times 3.53$		12A0006	1
24	PISTON		53S0007	1
25	RETURN SPRING		13A0203	1
26	RETENTION VALVE SCREW		1500071	1
27	RETENTION SPRING		13D0113	1
28	ALLEN STUD M4x5		14F0073	2
29	INDRAFT SPRING		13D0112	1
30	INDRAFT VALVE SCREW		1500072	1
31	BRASS NETTING FILTER		06D0001	0.001
32	NETTING HOLDER COLLAR		15B0064	1
33	OBTURATOR SCREW		1500074	1
34	NUT		14B0039	1
35	TANK WASHER		57E0012	1
36	TANK SCREW		1500073	1
37	TANK RUBBER		12M0003	1

N	DESCRIPTION	REFERENCE GASKET	CODE	N PARTS
38	BALL $\phi 4$		31A0002	1
39	COPPER WASHER $\phi 14 \times \phi 10 \times 1.5$		57B0031	1
40	SECURITY RING $\phi 8$ DIN 6799		14D0024	4
41	SPRING TIE		24F0109	1
42	SECURITY RING $\phi 3.2$ DIN 6799		14D0048	2
43	O-RING $\phi 6.75 \times 1.78$		12A0272	1
44	HANDLE		24C0035	1
45	ALLEN STUD M10x10		14F0074	1
46	BALL $\phi 3$		31A0004	1
47	STUD M6x6		14F0034	1
48	STANDARD WASHER FOR M3		14C0018	1
49	SPRING		13D0110	1
50	TANK COVER TUBE		51A0164	1
51	RESTRICTOR VALVE SPRING		13D0109	1
52	BALL BUTTON		15N0021	1
53	SECURITY VALVE BODY		52Y0037	1
54	BUTTON LEVER		24A0036	1
55	UNLOADING BUTTON		15N0023	1
56	BUTTON PIN		15I0200	1
57	O-RING $\phi 2.9 \times 1.78$		12A0075	1
58	BALL $\phi 7.5$		31A0021	1
59	BALL $\phi 5.5$		31A0007	1
60	BALL $\phi 4$		31A0002	1
61	SEGMENT		57A0294	1
62	CASE		21D0069	1

Vn. P. Desc. Inicial Factor PEDRO GOMEZ Rep. Materia Prima Dimensiones en Bruto Precio en Bruto Rep. Escala	1 Se han modificado la referencia de los tornillos segun N.L.2282 MODIFICACIONES DESCRIPCION DESPIEZO CK0016 Material Resistencia kg/cm <sup>2</sup> Direccion Directorio	NING $\nabla$ $\times$ 100 NING $\nabla$ $\times$ 100 NING $\nabla$ $\times$ 100 NING $\nabla$ $\times$ 100	MODIFICACIONES LARZEP CK0016 Sustituido por Sustituye a
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\* SPARE PART LIST