



HYDRAULICS

## HYDRAULIC CUTTER "CK0016"



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**INDEX**

**1. SAFETY ESSENTIAL REQUIREMENTS.....2**  
**2. TECHNICAL FEATURES .....3**  
**3. START-UP.....3**  
**4. MAINTENANCE .....3**  
**5. WARRANTY.....3**  
**6. DECLARATION OF CONFORMITY .....4**  
**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: CK 0016

	<b>CK0016</b>
<b>Push capacity (700 Kg/cm<sup>2</sup>)</b>	140kN
<b>Length</b>	470 mm
<b>Weight</b>	5,10 kg

### PERFORMANCE

#### bar

<b>CK0016</b>	
<b>Bar diameter mm.</b>	<b>Strength Kg/cm<sup>2</sup></b>
15 min.	1000
19 max.	700

### CHAIN

<b>CK0016</b>		
<b>Chain Diameter mm.</b>	<b>Strength by grades</b>	<b>Standards</b>
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 CONFORMITE**

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:  
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**

**ÖVERENSSTEMMELSESERKLÄRING**

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:  
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 dækkes 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

**N**

**ÜBEREINSTIMMUNGSERKLÄRUNG**

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, Tyyppi.

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**

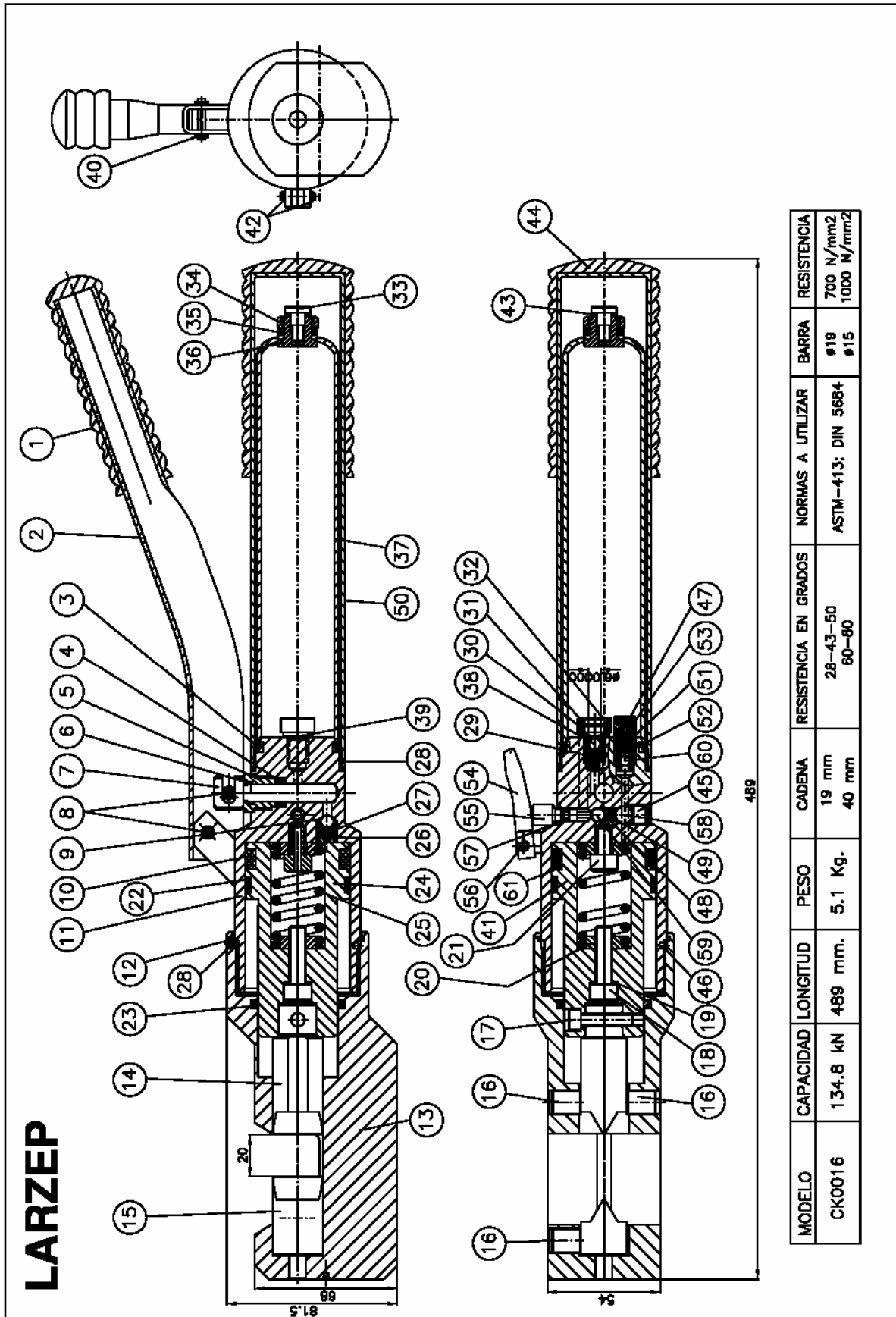
Vi, LARZEP, S.A.  
Adresse: Avda. Urtiaga, 6  
48269 Mallabia SPAIN

Försäkrar under eget ansvar att följande produkter som omfattas av denna försäkran är i överensstämmelse med villkoren i Direktiv:  
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 unterschrift, naam en handtekening, nome e assinatura, nome e firma.



MODELO	CAPACIDAD	LONGITUD	PESO	CADENA	RESISTENCIA EN GRADOS	NORMAS A UTILIZAR	BARRA	RESISTENCIA
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>

\* JUEGO DE RECAMBIOS

N°	DENOMINACION	REFERENCIA JUNTAS	CODIGO	N° Pz
* 38	ESFERA #4		31A0002	1
* 39	ARANDELA COBRE #14x#10x1.5		57B0031	1
40	ANILLA DE SEGURIDAD PARA #6 DIN 8798		14D0024	4
41	TIRANTE MUELLE		24F0109	1
42	ANILLA DE SEGURIDAD PARA #3.2 DIN 8798		14D0048	2
* 43	JUNTA TORICA #6.75x1.78		12A0272	1
44	EMPUÑADURA		24C0035	1
45	ESPARRAGO ALLEN M10x10		14F0014	1
* 46	ESFERA #3		31A0004	1
47	ESPARRAGO M6x6		14F0034	1
48	ARANDELA STANDARD PARA M3		14C0018	1
49	MUELLE		13D0110	1
50	TUBO CUBRE DEPOSITO		51A0164	1
51	MUELLE VALVULA LIMITADORA		13D0109	1
52	PULSADOR ESFERA		15N0021	1
53	CUERPO VALVULA SEGURIDAD		52Y0037	1
54	PALANCA DEL PULSADOR		24A0038	1
55	PULSADOR DE DESCARGA		15N0023	1
56	PASADOR PULSADOR		15I0200	1
* 57	JUNTA TORICA #2.9x1.78		12A0075	1
* 58	ESFERA #7.5		31A0021	1
* 59	ESFERA #5.5		31A0007	1
* 60	ESFERA #4		31A0002	1
61	SEGMENTO		57A0294	1
62	ESTUCHE		21D0069	1
63	SEPARADOR ESPUMA		21A0009	1

N°	DENOMINACION	REFERENCIA JUNTAS	CODIGO	N° Pz
1	EMPUÑADURA		24C0032	1
2	PALANCA		24A0037	1
* 3	JUNTA TORICA #29.74x3.53		12A0004	1
* 4	Collarín #8x#14x7	TTUB-14	12B0254	1
5	TUERCA GUIA INYECTOR		14B0038	1
6	JUNTA TORICA #6.73x1.78		12A0266	1
7	PISTON		54A0023	1
8	PASADOR		15I0201	2
* 9	ESFERA #5.5		31A0007	1
* 10	Collarín #40x#50x7.5	TTU 40-50/1	12B0280	1
11	C.CUERPO		52U0006	1
* 12	JUNTA TORICA #60.04x1.78		12A0269	1
13	CABEZA		56Q0006	1
14	CUCHILLA		CRK16/1	1
15	CONTRACUCHILLA		CRK16/2	1
16	ESPARRAGO ALLEN M12x16 DIN 913		14F0038	3
17	TORNILLO ALLEN M6x25 DIN 912 12.9		14A0167	1
18	TORNILLO ALLEN M6x30 DIN 912 12.9		14A0034	1
* 19	ARANDELA COBRE		57B0005	1
20	TIRANTE MUELLE		24F0108	1
21	TORNILLO ALLEN M6x16 DIN 913		15O0077	1
* 22	ARO GUIA #50x#45x9.7	GP6800500-C380	58F0196	1
* 23	JUNTA TORICA #37.69x3.53		12A0006	1
24	EMBOLO		53S0007	1
25	MUELLE RETROCESO		13A0203	1
26	TORNILLO VALVULA RETENCION		15O0071	1
27	MUELLE DE RETENCION		13D0113	1
28	ESPARRAGO ALLEN M4x5		14F0033	2
29	MUELLE DE ASPIRACION		13D0112	1
30	TORNILLO VALVULA ASPIRACION		15O0072	1
31	MALLA LATON FILTRO		06D0001	0.001
32	CASQUILLO SUJETA-MALLA		15B0084	1
33	TORNILLO OBTURADOR		15O0074	1
34	TUERCA		14B0038	1
35	ARANDELA DEPOSITO		57E0012	1
36	TORNILLO DEPOSITO		15O0073	1
37	GOMA DEPOSITO		12M0003	1