LARZEP

HYDRAULIC

HYDRAULIC CHAIN CUTTER

"CK0016"

INDEX

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 manual. 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.

80 %   **Limit a maximum value of 80% of nominal capacity in continuous**

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 necessaries protective actions, clothes, helmet, and goggles.

2. TECHNICAL CHARACTERISTICS

MODEL	CK0016
Push Capacity (700 kg/cm^2)	135 kN
Length	489 mm
Max. Gap between blades	20 mm
Head width	54 mm
Weight	5,8 kg

CK0016 CUTTING CAPACITY (ø max.)			
ø Chain mm	Strength by grades	ø Bar mm	Strength N/mm^2
19	28-43	19	700
14	60-80	15	1.000
		13	1.400
		11	1.600

3. START UP

1. Ensure the operator understands how the cutter operates.
2. Test the circuit by pumping oil into the tool, then opening the return valve to check the blade return. Check the tool at maximum pressure by working the piston against the limit of stroke and return the blade.
3. Insert the chain link or bar in the gap between blades (max. 19 mm).
4. Center the material to be cut in the gap and check the alignment with the tool.
5. Actuate the pump until the material is broken. Retract the blade by releasing the return valve in the pump.

4. MAINTENANCE

REPLACEMENT OF BLADES

FIXED BLADE:
1. Loosen the stud (16) and push the blade with a nail through the head hole and remove the damaged blade.
2. Insert a new blade and tighten the stud (16).

MOVABLE BLADE:
1. Remove the studs (16), on both sides and loosen the stud (28), to unscrew the body from the head.
2. Unscrew the screw (17), to get the blade free.
3. Mount a new blade and repeat steps 1 & 2 in reverse order to reinstall the piston assembly & body, controlling the position of the flat side of the piston.
4. The studs (16) work like the piston guide. Lock the screws by leaving an enough gap for the spring to operate.

REPLACEMENT OF SEALS

1. To disassemble the piston, unscrew the screw (18) and pull out the piston from the body to replace the seals (10, 22) and segment (61) with new ones. Do not use sharp edged tools.
2. The O-ring (12) and (23) and the washer (19) can also be changed along with seal and segment replacement.
3. To reassemble, repeat above steps in reverse order.

After operation, clean and store the tool in a box.
Perform maintenance operations with all pressure released.
Use always original spare parts LARZEP, S.A.
The spare parts of the tool are marked on the attached drawings with an asterisk.
Do not exceed equipment ratings. Use gauges or appropriate indicator devices to be aware of the working pressure.

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 auxqueis se réfère cette déclration sont conformes aux dispositions des Directives:
2006/42/EC

DECLARAÇÁO 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

ÖVERENSSTEMMELSESERKLÆRING

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 bestemmelsene i Direktiv:
2006/42/EC

ERKLÆRINGOM OVERENSSTEMMELSE

N

Vi, LARZEP, S.A.
Adresse: Avda. Urtiaga, 6
48269 Mallabia SPAIN
Erklærer på eget ansvar, at folgende produkter som dekkes av denne erklæringen, er i overensstemmelse med bestemmelsene i Direktiv:
2006/42/EC

KONFORMITÄTSERKLÄRUNG

D

Wir, LARZEP, S.A.
Anschrift: Avda. Urtiaga, 6
48269 Mallabia SPAIN
Erklären aufeigene Verantwortung, , daß folgende Produkte, auf die sich diese Erklärung bezieht, mit den Bedingungen der Direktiven, 2006/42/EG Cübereinstimmen.

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

VERKLARINGVAN OVEREENKOMST.

NL

Wij, LARZEP, S.A.
Adres: Avda. Urtiaga, 6
48269 Mallabia SPAIN
Verklaren geheel onder eigen verantwoordelijkheid dat de volgende produkten, 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 överensstämmelsemed villkoren i Direktiv:
2006/42/EC

Tipo, Type, Typ, Tyyppi.

SM / SAM / SH / SAH / SP / SMP/ SPR / SX / SMX / STR / SAT / SATM / STX / SL / SSR / T / TE/ TD / D / DDR / DDA / DH / DAH / DM / DI / JM / JP / JH / DL / SLX

W / WA / WP / X / Z / ZR / HAM / HAE / HAZ / HAG / HAS / HFM / HFE / WI / HAP / HAB / HAT / HBM / HBE / WAP / WIP / HEP

AP / AR / AZ / AV / AVD / AVT / AT / ATH / AY

CK / CC / CN / FU / FV / FZ / FA / CY / CT / C / AA / AU / BS / LS / LX / PH / CB / CH / CM / CX

A / AB / AC / AF / B / DLG / DLR / F / HN / HL / VA / VB / VC / VZ / EC / EE / EM / EZ / CA

Mallabia, ESPAÑA 2018 / 04 / 12

Juan Carlos Bustos

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.

Nombre y firma, name and signature, nom et signature, namn och underskrift, nimi ja nimikirjoitus, navn og underskrift, name und unterskrift, naàm en handtekening, nome e assinatura, nome e firma.
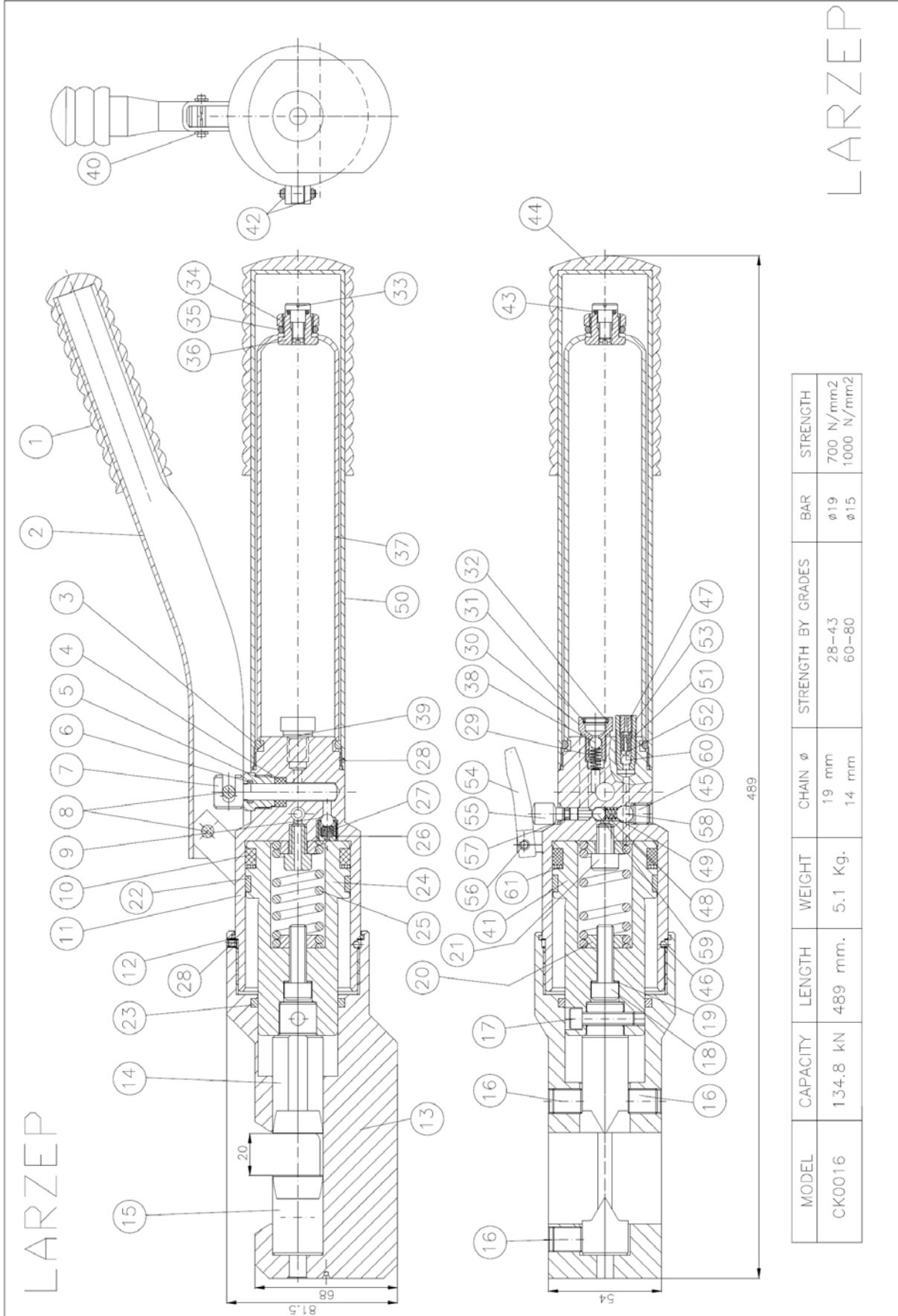
MODEL	CAPACITY	LENGTH	WEIGHT	CHAIN ø		STRENGTH BY GRADES		BAR	STRENGTH	
CK0016	134.8 kN	489 mm.	5.1 Kg.	19 mm	14 mm	28-43	60-80	ø19	ø15	700 N/mm2	1000 N/mm2

* SPARE PART LIST

*	N	DESCRIPTION	REFERENCE GASKET	CODE	N PARTS
	1	HANDLE		24C0032	1
	2	LEVER		24A0037	1
*	3	O-RING ø29.74x3.53		12A0004	1
*	4	Collar ø8xø14x7	TTU8-14	12B0254	1
	5	INJECTOR GUIDE NUT		14B0038	1
	6	O-RING ø8.73x1.78		12A0266	1
	7	PISTON		54A0023	1
	8	PIN		15I0201	2
*	9	BALL ø5.5		31A0007	1
*	10	Collar ø40xø50x7.5	TTU 40-50/1	12B0260	1
	11	BODY		52U0006	1
*	12	O-RING ø60.04x1.78		12A0269	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 M8x16 WITH HOLE ø3.5		15O0077	1
*	22	GUIDE RING ø50xø45x9.7	GP6900500-C380	58F0196	1
*	23	O-RING ø37.69x3.53		12A0006	1
	24	PISTON		53S0007	1
	25	RETURN SPRING		13A0203	1
	26	RETENTION VALVE SCREW		15O0071	1
	27	RETENTION SPRING		13D0113	1
	28	ALLEN STUD M4x5		14F0073	2
	29	INDRAFT SPRING		13D0112	1
	30	INDRAFT VALVE SCREW		15O0072	1
	31	BRASS NETTING FILTER		06D0001	0.001
	32	NETTING HOLDER COLLAR		15B0064	1
	33	OBTURATOR SCREW		15O0074	1
	34	NUT		14B0039	1
	35	TANK WASHER		57E0012	1
	36	TANK SCREW		15O0073	1
	37	TANK RUBBER		12M0003	1

*	N	DESCRIPTION	REFERENCE GASKET	CODE	N PARTS
*	38	BALL ø4		31A0002	1
*	39	COPPER WASHER ø14xø10x1.5		57B0031	1
	40	SECURITY RING ø6 DIN 6799		14D0024	4
	41	SPRING TIE		24F0109	1
	42	SECURITY RING ø3.2 DIN 6799		14D0048	2
*	43	O-RING ø6.75x1.78		12A0272	1
	44	HANDLE		24C0035	1
	45	ALLEN STUD M10x10		14F0074	1
*	46	BALL ø3		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 ø2.9x1.78		12A0075	1
*	58	BALL ø7.5		31A0021	1
*	59	BALL ø5.5		31A0007	1
*	60	BALL ø4		31A0002	1
	61	SEGMENT		57A0294	1
	62	CASE		21D0069	1

LARZEP

DENOMINACION: DESPIEZO CK0016
CODIGO: CK0016
MODIFICACIONES: Se han modificado la referencia de los tornillos segun N.I.2282
Autor: PEDRO GOMEZ
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