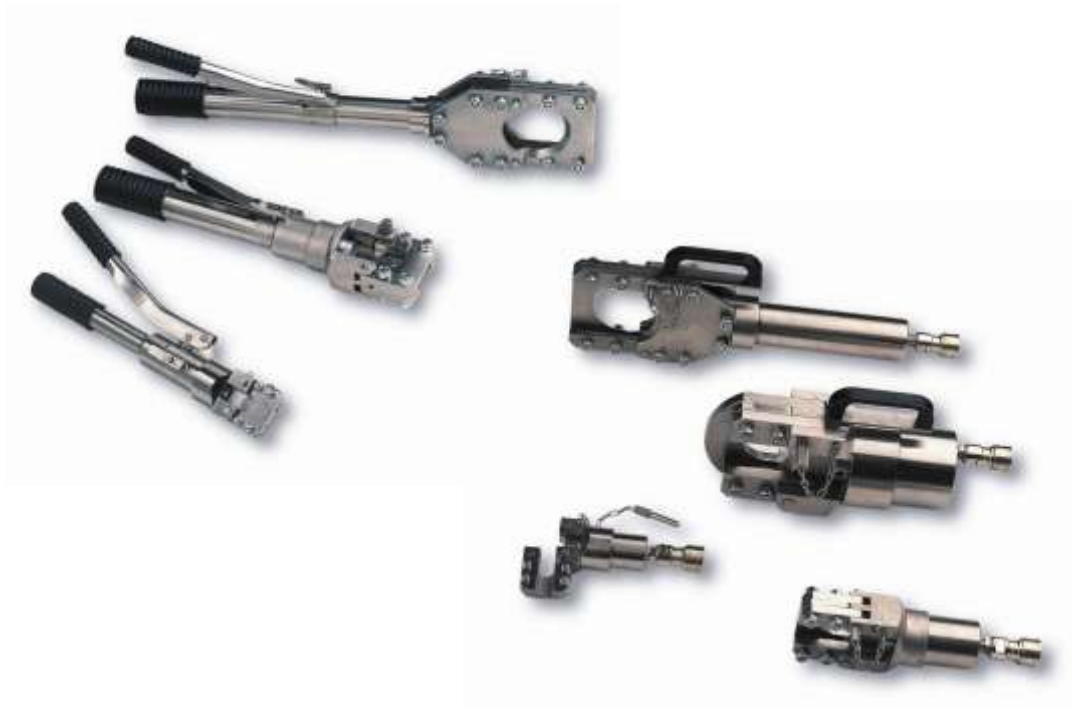




HYDRAULICS

HYDRAULIC TOOLS: CABLE AND BAR CUTTER “CC0018”



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ANNEX

- GENERAL DRAWING

1. BEFORE USING THE EQUIPMENT.

Remove the tool from its packaging and check for external damage, such as:

- Broken cutting blade.
- Damaged levers.
- Loosed/unscrewed parts.

LARZEP hydraulic tools are designed in accordance with internal quality standards, in compliance with the ISO 9001 regulation.

The tools are designed for the applications described in this manual. Any other use may pose a risk to the equipment and result in hazardous situations for the operator. Always use the tools in well-lit areas.

The manufacturer accepts no responsibility for damage resulting from the improper use of the tool.



Never use hydraulic equipment that is damaged or suspected to be in poor condition.

The operator should be fully aware of the risks inherent in the use of high-pressure hydraulic tools, and should act responsibly in accordance with that described in this manual, ensuring both his/her own safety as well as the safety of others located in the vicinity of the working zone.



Do not loose instruction manual.

The working instructions should be available for the operator at all times. In addition to reading and understanding the instructions manual, the operator should be trained in the use of the machine and in the standards and regulations governing operations of this kind, such as those pertaining to accident prevention and environmental protection, for example. All exposed personnel should use appropriate personal protection equipment: boots, helmet, goggles, gloves and protective clothing.



Boots



Helmet



Goggles



Gloves



Clothes

2. TECHNICAL FEATURES.

The tools in the CC cable cutter range are designed to cut cables and bars in accordance with the specifications contained in the table below. Any other use not included in the said specifications may cause irreparable damage to the cutter and render it unable to carry out the task for which it was designed.

When using the cable cutter, the operator should take steps to prevent the cable from fraying. We recommend that, before commencing the cutting operation, the cable be attached to either end of the cutting zone, using tape, wire or another similar means.

The operator should take appropriate steps at all times to prevent exposure to flying particles of cable or bar generated during the cutting process (personal protection equipment, protection screens, etc.).

MODEL		CC0018	CC0040	CC0075
CAPACITY	kN	54 kN	140 kN	70 kN
PRESSURE	bar	550 bar	700 bar	700 bar
WIRE ROPE	STEEL Ø Ext. mm. ALUMMINIUM Ø Ext. mm	18 mm. 18 mm.	40 mm. 40 mm.	40 mm. -
CABLE	TELÉPHONE Ø Ext. mm. LEAD Ø Ext. mm. UNDERGROUND Ø Ext. mm.	- 18 mm 18 mm	- 40 mm. 40 mm.	75 mm. 75 mm. 75 mm.
STEEL ROPE MAX.R = 1800 N/mm ²	Ø Ext. mm. WIRE min.mm.	18 mm. 1 mm.	32 mm. 2 mm.	- -
BAR MAX.R= 400 N/mm ²	STEEL Ø Ext. mm COPPER Ø Ext. mm ALUMMINIUM Ø Ext. mm	12 mm. 15 mm. 15 mm.	20 mm. 30 mm. 30 mm	- - -
BLADE		CRC 18	CRC-35-40	CRC75
DIMENSIONS	A Mm. B Mm. C Mm.	384 mm. 60 mm. 19 mm.	490 mm. 92 mm. 41,5 mm.	650 mm. 126 mm. 77 mm.
WEIGHT		2,8 Kg.	5,6 Kg.	6,8 Kg.

MODELS		CC0118	CC0140	CC0175	CC0190	CC01120	CC0160
CAPACITY	kN	54 kN	135 kN	70 kN	109 kN	109 kN	436 kN
PRESSURE	bar	550 bar	700 bar	700 bar	700 bar	700 bar	700 bar
WIRE ROPE	STEEL Ø Ext. mm. ALUMMINIUM Ø Ext. mm	18 mm. 18 mm.	40 mm. 40 mm.	40 mm. -	35 mm. -	35 mm. -	60 mm. 60 mm.
CABLE	TELÉPHONE Ø Ext. mm. LEAD Ø Ext. mm. UNDERGROUND Ø Ext. mm.	- 18 mm. 18 mm.	- 40 mm. 40 mm.	75 mm. 75 mm. 75 mm.	90 mm. 90 mm. 90 mm.	120 mm. 120 mm. 120 mm.	- - -
STEEL ROPE MAX.R = 1800 N/mm ²	Ø Ext. mm. WIRE min. mm.	18 mm. 1 mm.	32 mm. 2 mm.	- -	- -	- -	60 mm 3 mm.
BAR MAX.R= 400 N/mm ²	STEEL Ø Ext. mm COPPER Ø Ext. mm ALUMMINIUM Ø Ext. mm	12 mm. 15 mm. 15 mm.	20 mm. 30 mm. 30 mm.	- - -	- - -	- - -	25 mm 35 mm 35 mm
BLADE		CRC 18	CRC-35-40	CRC75	CRC0190	CRC01120	CRC0160
DIMENSIONS	A Mm. B Mm. C Mm.	212 mm. 60 mm. 19 mm.	280 mm. 92 mm. 36 mm.	451 mm. 126 mm. 77 mm.	535 mm. 146 mm. 91mm.	630 mm. 178 mm. 122 mm.	403 mm. 105 mm. 62 mm.
WEIGHT		2 Kg.	4,5 Kg.	5,5 Kg.	10 Kg.	11,7 Kg.	12 Kg.

3. ESSENTIAL SAFETY REQUIREMENTS.

- In the event of the improper working of the machine or one of the connected elements, immediately halt all operation, depressurise the system and solve the problem.
- Before beginning operation, make sure that the dangerous area is free of people.



Check that the machine and accessories have not been damaged in any way during transportation to the plant.

- Always use the tools in well-lit areas.
- Regardless of whether the cutting tool has a built-in or separate pump, try to establish the most convenient and stable working method for both the tool and the operator.



Allow for a general use at 80% of the tool's nominal capacity. Do not exceed the tool's nominal capacity.

In the case of tools with separate pumps, we recommend the use of a pressure indicator, to enable the operator to monitor at all times the force which the system is subjected.

- When cutting the work piece may project particles and fragments. Therefore, the operator should protect his/her body and (particularly) eyes using appropriate protective equipment.



Goggles Face Protection.

- In the case of tools with a separate pump, the hose enables the operator to move further away from the dangerous area, while in the case of tools with built-in pumps, if possible, a guard should be positioned between the work piece and the operator.
- Do not expose tools to intense heat sources, such as welding equipment, for example.
- Depressurise and disconnect the tools before carrying out any maintenance operations.
- The controls of both the tools with built-in pumps and the separate pumps themselves should always be activated manually. Do not use hand tools, levers, etc. to work the controls.
- In the case of tools with separate pumps, make sure all the quick plugs are completely clean before connecting.
- Make sure that the hydraulic hoses are neither twisted nor unduly tensed.
- When working with an electric pump, make sure that the valve is set to its neutral position before connecting the tool.
- When working with cable cutters, fraying may occur during the cutting operation. To avoid this, clamp the cable to either end of the cutting blade with tape, wire or even a bushing.
- Clean the quick plugs thoroughly before connecting.
- In all cases, the operator should be thoroughly trained in the operation of the tool and should act in accordance with the logical safety criteria associated with the use of high-pressure equipment.

Instruction Manual
Cable and Bar Cutter "CC0018"

4. START UP.

MODELS WITH IN-BUILT PUMP. CC0018, CC0040 AND CC0075	MODELS WITH A SEPARATE PUMP. CC0118, CC0140, CC0162, CC0175, CC0190 AND C01120.
1- Hold the tool by the thick handle and with the tool in an upright position (head facing up).	1- Connect the hose's female quick plug to the tool's male plug. Make sure the connection is secure.
2- Pump the lever to check that the blade moves forward.	2- Read and follow the pump instructions.
3- Make sure the deformation zone is free from obstruction, and then continue pumping until the blade reaches the end of its travel. At this point the lever will become stiffer and harder to move.	3- Remove the pin and open the tool head.
4- Continue pumping until the safety valve is activated. Check for oil leaks.	4- Place the material to be cut in the cavity of the counter-blade and close the head, fixing it in place with the pin. Make sure the pin is properly positioned.
5- Press the unload button and check that the blade returns to its initial position.	5- Pump until the material is cut.
6- Repeat this operation as many times as necessary in order to become familiar with the operation of the tool.	6- Move the blade back activating the valve of the pump.
7- Remove the pin and open the tool head.	7- Pump until the material is cut.
8- Place the material to be cut in the cavity of the counter-blade and close the head, fixing it in place with the pin. Make sure the pin is properly positioned.	8- When using electric or air-based pumps, the application is automated. In such cases, the operator should be specially trained, in order to avoid the possibility of involuntary actions.
9- Pump until the material is cut.	
10- Once cut, press the unload button to move the blade back. Open the head and remove all traces of waste material before making another cut.	

5. MAINTENANCE.

- After use, the tool should be cleaned and the area where the blade comes into contact with the heads oiled.
- In the event of oil leaks, disassemble the tool and change the seals. The individual blueprint provided for each tool specifies its components and codes.
- During this operation, check the condition of the inside of the cylinder. If scratches or snags are detected, then a more thorough repair procedure will be required. We recommend that this be carried out **by specialist personnel**.
- Check for loose nuts in the head.
- In the event of improper functioning in the models with built-in pumps, we recommend that you send the tool to an authorised technical service for inspection and repair.

CHANGING THE BLADE.

- CC0018, CC0118, CC0075, CC0175, CC0190 and CC01120: pump until the piston and blade move out far enough to provide access to the screw (22). Release the screw and remove the blade. Replace the blade with a new one and attach to the piston by tightening the screw (22) once again.
- CC0040, CC0140 and CC0160: You do not need to pump the piston out, since in these models, the screw (22) can be accessed with the blade in its standby position. Simply remove the screw (22) and replace the blade.

6. 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

7. DECLARATION OF CONFORMITY.

DECLARACION DE CONFORMIDAD

LARZEP, S.A.
Dirección: Avda. Urriaga, 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. Urriaga, 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. Urriaga, 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. Urriaga, 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. Urriaga, 6
48269 Mallabia SPAIN

Erklærer på eget ansvar, at følgende produkter som dekkes 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. Urriaga, 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. Urriaga, 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. Urriaga, 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. Urriaga, 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

VERKLARINGVAN OVEREENKOMST.

Wij, LARZEP, S.A.
Adres: Avda. Urriaga, 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.
Adress: Avda. Urriaga, 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

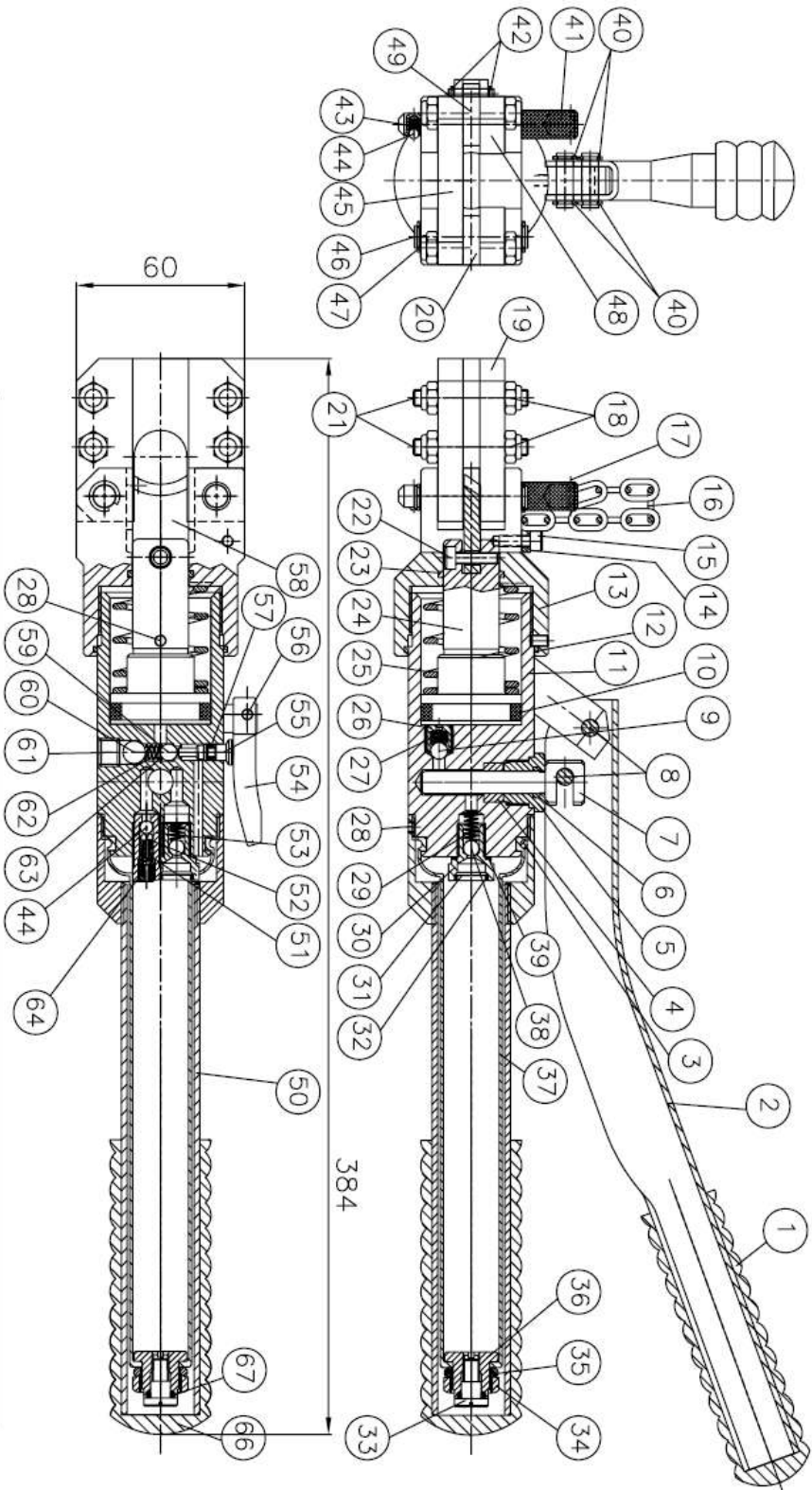
LARZEP, S.A.

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.

Instruction Manual
Cable and Bar Cutter "CC0018"

WORKING PRESSURE 500 Kg/cm²

MODEL	CAPACITY	LENGTH	WEIGHT	WIRE ROPE		CABLE		STEEL ROPE		BAR	
				ALUMINIUM WITH COPPER	ALUMINIUM WITH STEEL	LEAD SHIELDED	UNDERGROUND	MAX. STRENGTH	STEEL	COPPER COPPER ALLOY	ALUMINIUM ALLOY
CC.00.18	50 kN	385 mm.	2.8 Kg.	∅Ext. 18 mm.	∅Ext. 18 mm.	∅Ext. 18 mm.	∅Ext. 18 mm.	∅ WIRE 1,00 mm.	∅Ext. 12 mm.	∅Ext. 15 mm.	∅Ext. 15 mm.



V. B. Direc. Industrial		VERSION		MODIFICACIONES		FECHA	
Autor	PEDRO GOMEZ	DESIGNACION:	CORTADORA HIDRAULICA AUTONOMA				
Ref. Modelo Prmo	4-5-99	Materia					
Dimensiones en Bruto	Durazo	Resistencia	Kg/mm ²				
Fase en Bruto	Kgr	Escala	Directorio				
Tolerancias para las dimensiones en indicacion en el dibujo MILIMETROS: H12 - E12 N12 - M12/3 - M12/3 LONGITUDINALES 0.25				N19 < 10u N7 < 1.6u		REDONDEOS: INDICADOS N7 < 0.4u N2 < 0.05u	
			Tratamiento CC0018		CODIGO CC0018		
			Sustituto por Sustituye a:				

Instruction Manual
Cable and Bar Cutter "CC0018"

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 $\phi 8 \times \phi 14 \times 7$	TLUB-14	12B0254	1
5	INJECTOR GUIDE NUT		14B0038	1
6	O-RING $\phi 8.73 \times 1.78$		12A0266	1
7	PISTON		54A0023	1
8	PIN		15I0201	2
9	BALL $\phi 5.5$		31A0007	1
10	Collar $\phi 28 \times \phi 36 \times 5.7$	BA 2268 00030	12B0255	1
11	BODY		52U0003	1
12	O-RING $\phi 44.17 \times 1.78$		12A0267	1
13	HEAD		56Q0001	1
14	M4 STANDARD WASHER		14C0017	1
15	ALLEN SCREW M4x6 DIN 912 8.8		14A0150	1
16	11 UNK CHAIN $\phi 2$ A=8 L=18		24I0019	1
17	ELASTIC PIN DIN 1481 $\phi 2 \times 10$		14E0026	1
18	SELFLOCKING NUT M6 DIN-985		14B0041	8
19	GUIDE BASE (LEFT)		24F0092	1
20	INTERMEDIATE LEFT BASE		24F0094	1
21	SADDLE SHAFT		15I0202	4
22	ALLEN SCREW M4x12 DIN 912 12.9		14A0156	1
23	O-RING $\phi 20.35 \times 1.78$		12A0268	1
24	PISTON		53S0001	1
25	RETURN SPRING		13D0114	1
26	CHECK VALVE SCREW		1500071	1
27	CHECK VALVE SPRING		13D0113	1
28	ALLEN STUD M4x5		14F0033	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		12M0002	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 FOR $\phi 6$ DIN 6799		14D0024	4
41	PIN		15I0204	1
42	SECURITY RING FOR $\phi 3.2$ DIN 6799		14D0048	2
43	SPRING		13D0111	1
44	BALL $\phi 4$		31A0002	2
45	COUNTERBLADE		24F0091	1
46	SADDLE PIN		15I0203	1
47	SECURITY RING FOR $\phi 8$ DIN-6799		14D0051	2
48	GUIDE BASE RIGHT		24F0090	1
49	INTERMEDIATE RIGHT BASE		24F0093	1
50	TANK COVER TUBE ASSEMBLY		51A0162	1
51	RESTRICTOR VALVE SPRING		13D0109	1
52	BALL BUTTON		15N0021	1
53	SAFETY VALVE BODY		52Y0037	1
54	BUTTON LEVER		24A0036	1
55	UNLOADING BUTTON		15N0022	1
56	BUTTON PIN		15I0200	4
57	O-RING $\phi 2.9 \times 1.78$		12A0075	1
58	MOBILE BLADE		CRC18	1
59	BALL $\phi 5.5$		31A0007	1
60	BALL $\phi 7.5$		31A0021	1
61	ALLEN STUD M10x10		14F0014	1
62	SPRING		13D0110	1
63	STANDARD WASHER FOR M3		14C0018	1
64	STUD M6x6		14F0034	1
65	BALL $\phi 3$		31A0004	1
66	HANDLE		24C0031	1
67	O-RING $\phi 6.75 \times 1.78$		12A0272	2
68	CASE		21D0071	1

* SEAL KIT

V.º, E.º, Dime. Industrial		VERSION		MODIFICACIONES		FECHA	
Autor PEDRO GOMEZ		DENOMINACION: DESPIEZO CC0018		MATERIAL		LARZEP	
Ref. Material Primo		Fecha 23-3-00		Resistencia Kg/mm ²		Codigo CC0018	
Dimensiones en Bruto		Dureza		Kg/mm ²		Sustituto por:	
Peso en Bruto Kgr.		Escala		Directorio		Sustituye a:	
Tolerancias para las dimensiones en el dibujo AGUJEROS: H12 - EJES H12 - MEDIDAS LONGITUDINALES ± 0.25				NIV $< 10\mu$		RIGIDIDADES ADMISIBILES NIV $< 0.4\mu$	
				NIV $< 1.6\mu$		NIV $< 0.05\mu$	