



RESCUE SET “CS 45”



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ANNEX

- GENERAL DRAWING

1. BEFORE USING THE EQUIPMENT.

Unpack the equipment, checking for no exterior damages like a:

- Blades break.
- Damaged levers.
- Unscrewed parts.

The LARZEP Rescue set, have been designed and engineered in accordance with our internal quality standards and under the supervision that forces the ISO9001 rules. If you find any anomaly or fault with the equipment, avoid its use and place it in a safety and distance place, until be repaired by an authorized technical service.



Never use a damaged or faulty equipment.

The applications of this tool, has been described in the present manual, other kinds of use could produce material damages and a dangerous situation for the operator.

LARZEP, S.A. does not be responsible about the damages or injuries caused by an illegal use.

Familiarize operators with the equipment, before using the machine read carefully and observe the instructions and recommendations included in the packaging.

Any illegal use, do not observed in this manual, and the ignore of that, may produce material and personal damages, of which LARZEP, S.A. will not be responsible.



Do not loose the instruction manual.

The operator must know the inherent risks of the use of the high pressure hydraulic tools., and therefore, must act correctly and follow the instructions, guaranteeing the security of the operator as the persons who could be around the dangerous zone.

The operator must be trained in the use of the machine and the rules corresponding to this kind of operations, such as accident prevention and environmental protection.

The exposed personnel must use the personal protection such as: Boots, Helmet, Goggles, Gloves and Clothes.



Boots



Helmet



Goggles



Gloves



Clothes

Avoid the exposure of the personnel in the dangerous zone and if it is impossible protect them correctly. Do not operate under the load and, block it mechanically. Use the equipment in well-lighted areas and steady ground. Use the accessories.

Do not expose the equipment to warm intense sources, such as weld.

2. TECHNICAL FEATURES.

Lightweight, independent rescue unit-no need for external connections. Can be handled by a single person.

Consists of a hydraulic pump driven by a foot-pedal, cutting shears, two separator pliers and a hydraulic cylinder with extensions and support heads. Can be used for separation, cutting and pushing operations.

The various tools are connected individually to the pump via hydraulic hose, equipped with all the necessary quick-connect ball plugs.

Connection is both quick and secure. No threads. Simply push or pull the plug to connect or disconnect the tool from the hose. The size of the tool enables the user to operate effectively even in hard-to-reach areas (pedals).

The pump has two speeds: fast feed for moving the tool near the target material, and working speed, which is automatically enabled when the pressure in the installation increases.

High pressure pumping is carried out via the pedal without the need for undue physical exertion, leaving your hands free to hold the tool.

Once the operation has been completed, simply press the release pedal located on the right-hand side of the pump. An internal spring causes the tool rapidly to return to its original position.

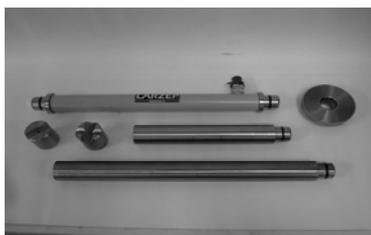
The unit is stored in a highly resistant box equipped with wheels and a receding handle for easy transportation.

Foot pump	REF.: W01205/P
Driving type	Pedal
Maximum pressure	550 Kg/cm ²
Usable oil	1,2 Litre
Oil displacement 550 Bar	2,2 cc/stroke
Oil displacement 20 Bar	13,2 cc/stroke



It has oil level, base structure of great stability, quick-connect male coupling and operating pedals de both for loading and unloading operations. (Free hands)

Hydraulic cylinder	REF.:SM00427
Capacity	3,88 Tn.
Maximum pressure	550 Kg/cm ²
Collapsed height	467 mm.
Stroke	275 mm.
Effective area	7,06 cm ²
Oil capacity	194,3 cc



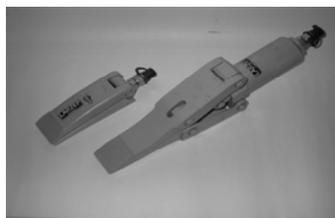
The cylinder has a base and saddle prepared to connect by pressure the extension tubes CS4506 and CS4507 of 250 and 450 mm long, and also grooved saddles, CS4509 and CS4510 the base CS4508.

The cylinder has incorporated a quick-connect male coupling.

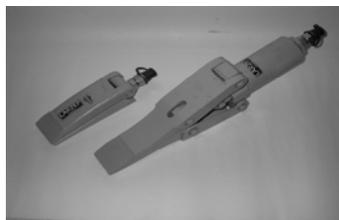
Hydraulic cutter	REF.:CD045
Capacity	6,9 Tn.
Maximum pressure	550 Kg/cm ²
Clearance	60 mm.
Effective area	12,5 cm ²
Oil capacity	51,2 cc



Hydraulic spreader	Ref.:CY0109-CS
Capacity	1 Tn.
Minimum height	15 mm.
Maximum height	90 mm.
Effective area	6,6 cm ²
Oil capacity	10 cc



Hydraulic spreader	Ref.:CY00822-CS
Capacity	0,62 Tn.
Minimum height	31 mm.
Maximum height	220 mm.
Effective area	6,6 cm ²
Oil capacity	10 cc

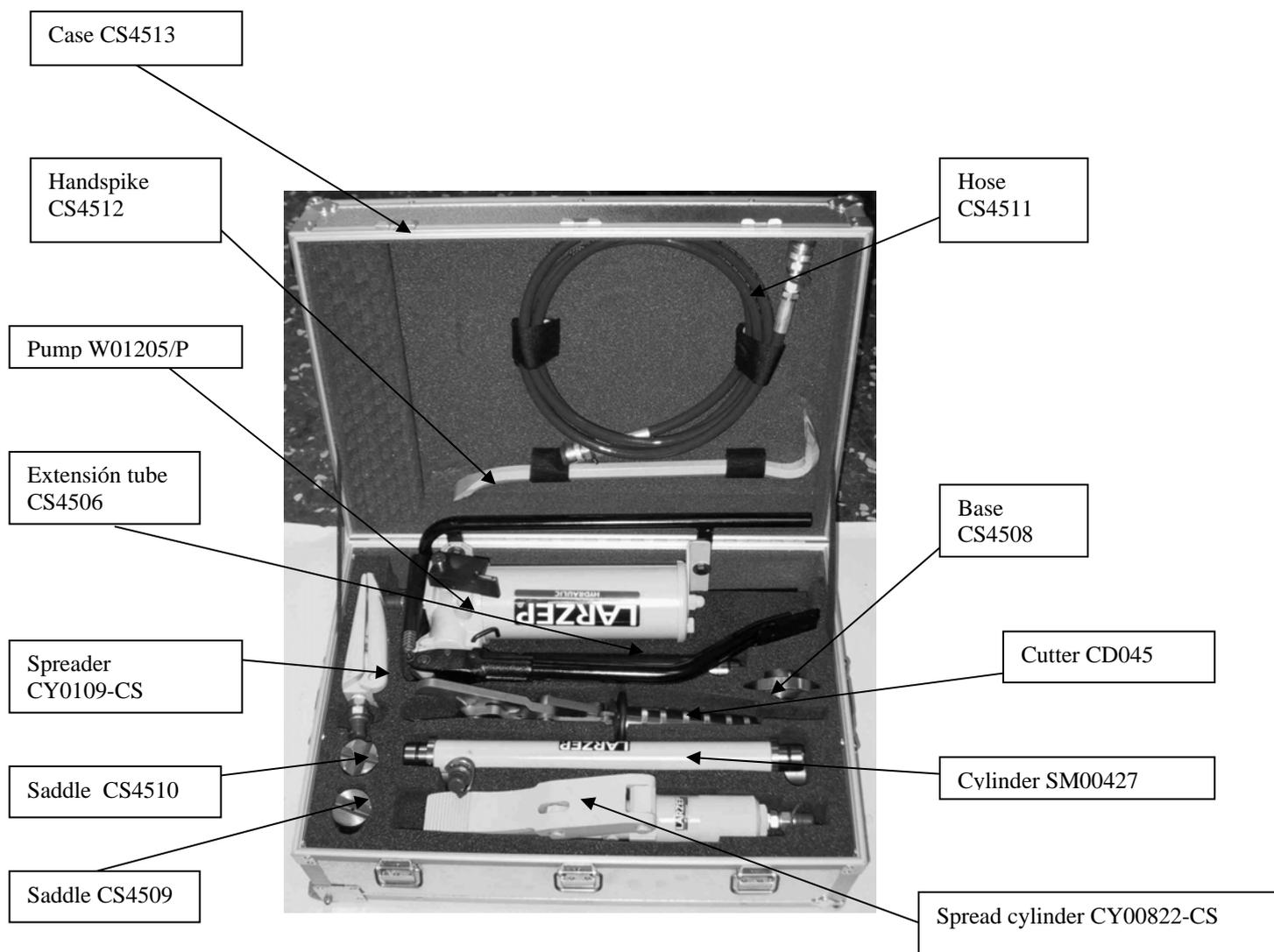


Hydraulic hose	Ref.:CS4511
Length	3 m.

It has quick-connect female couplings in both edges.

Handspike	Ref.:CS4512
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Transport case	Ref.:CS4513
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3. START UP.



Before using the equipment read the instructions.

- Make sure that the equipment has not suffered damages during the transport and that it is perfectly cleaned and completed.
- Remove the handle from the pedal of the pump.
- Connect with the hose the pump, and the tool which we will work with.

Check for the correct acting of all components

- ❖ Connect the different accessories (extension tubes, saddles and base) checking that the installation and the disassembly can be done manually.
- ❖ Connect the pump by means of the hose.
- ❖ Acting to the pedal of the pump, the piston of the cylinder will advance.
- ❖ Carry the piston to the end of the stroke; until reaching the maximum pressure of the equipment. Check that there are no oil leaks.
- ❖ Push with the pedal the reduction valve, located in the right side of the pump, until the piston of the cylinder returns completely.
- ❖ Repeat this operations, with each element, the cutters and the spread cylinders.

Star up

1. Locate the equipment in the working zone, looking for the maximum stability and in a way that the operator reaches a comfortable position.
2. The operator must check that there is no person around the dangerous zone, and if there is, that is been perfectly protected.
3. Check the correct action of the tools and choose the most convenient one to the requested application.
4. Connect the accessory to the pump by means of the hose, and push the pedal.
5. Before using the spread cylinders or the hydraulic cylinder, debilitate the zone by means of the cutter.
6. Make the installation of the accessories, looking for the maximum stability.
7. Before the change of the tool, let the piston to return completely, pushing the discharge valve.
8. Once the operation is finished, clean the equipment, especially the couplers, and store the equipment in the transport box.

4. MAINTENANCE.



All the maintenance operations must be carried out with the equipment disconnected and obviously depressurized.

Keep cleaned the equipment and be especially careful with the rapid couplers.

Check for the oil level by means of the gap located in the back cover.

The control of the oil will be done with the pump vertically and the back covers face-up.

If will be necessary to add by means of the gap, oil; always use a hydraulic oil LARZEP. Ref: AZ8901

Do not overflow the hydraulic oil to the earth, collect it , and act in according to the environmental and prevention rules and regalement.

In case of damage or malfunction, the repairs must be done by authorized personnel and specialist and always with original spare parts LARZEP, S.A.

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

ÖVERENSSTEMMELSEERKLÄRING

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:

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

DK

ERKLÄRING OM ÖVERENSSTEMMELSE

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

Erklærer på eget ansvar, at følgende produkter som dekkes av denne erklæringen, er i overensstemmelse med bestemmelsene i Direktiv:

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

N

ÜBEREINSTIMMUNG-SERKLÄRUNG

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, Tyypit.

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

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

VAATIMUSTEMUKAISUSVAKUUTUS.

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.
Adress: 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

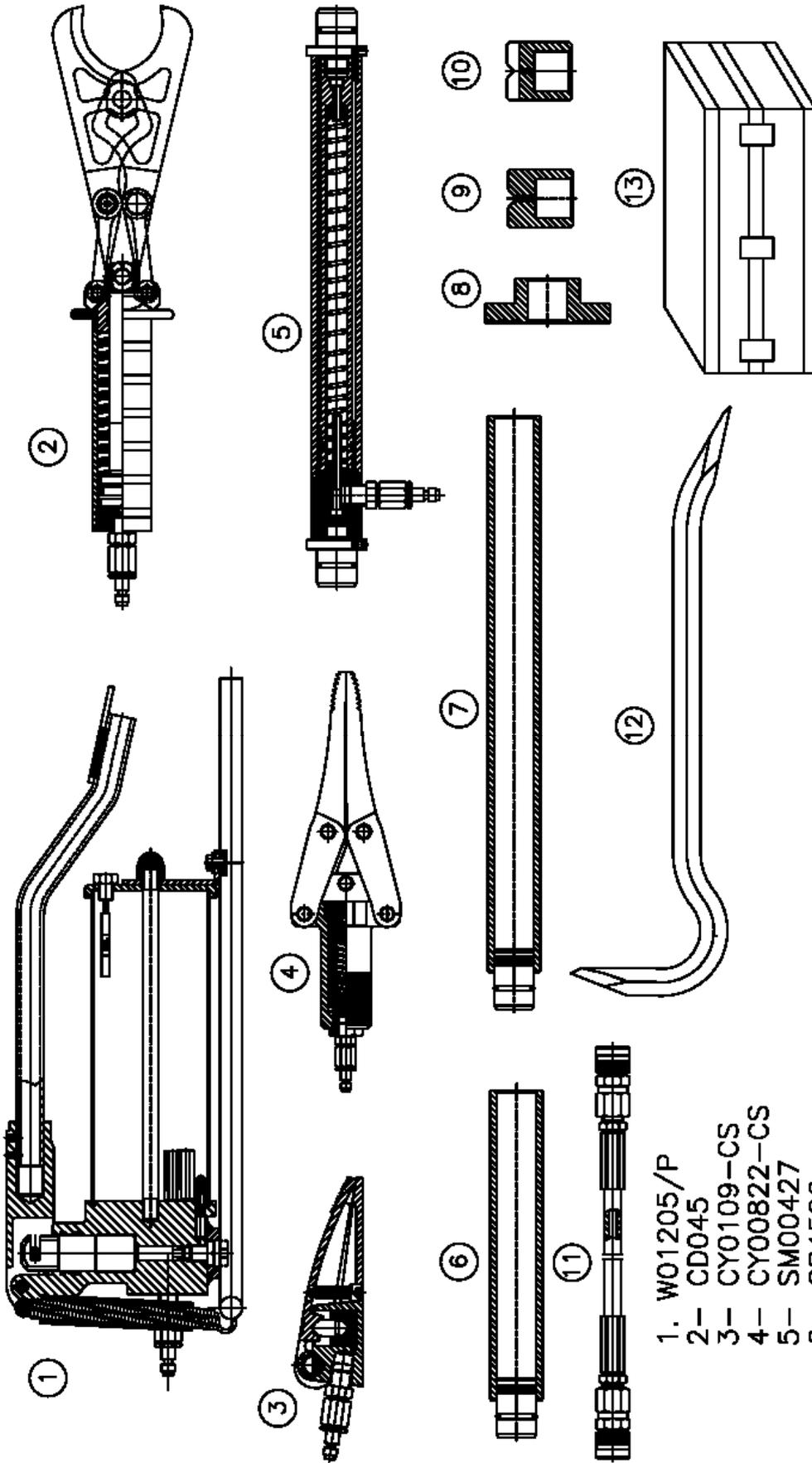
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LARZEP, S.A.

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.

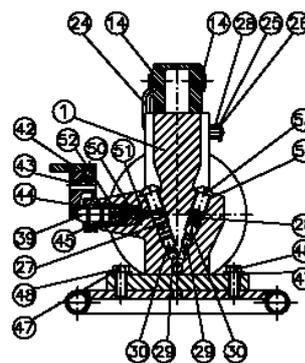
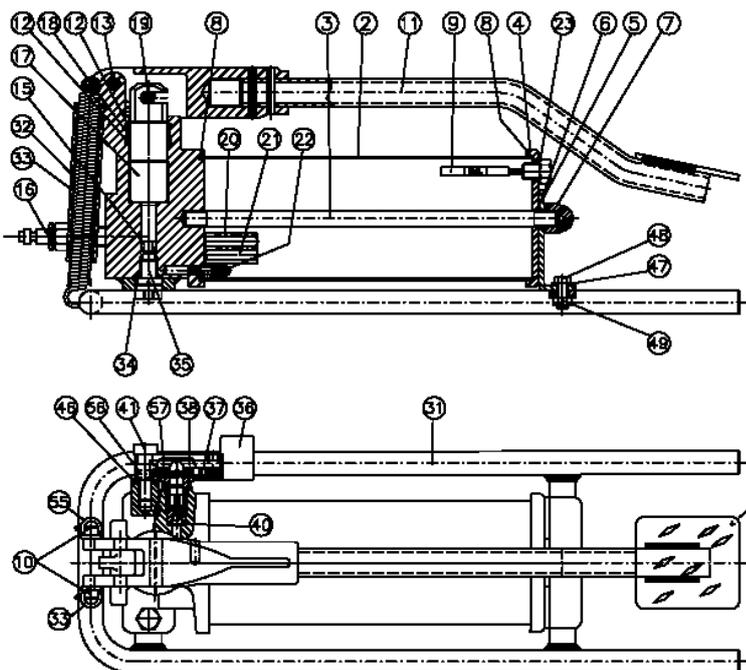
Nombre y firma, name and signature, nom et signature, namn och underskrift, nimi ja nimikirjoitus, navn og underskrift, name und unterschrift, naam en handtekening, nome e assinatura, nome e firma.



- 1. W01205/P
- 2- CD045
- 3- CY0109-CS
- 4- CY00822-CS
- 5- SM00427
- 6- CS4506
- 7- CS4507
- 8- CS4508
- 9- CS4509
- 10- CS4510
- 11- CS4511
- 12- CS4512
- 13- CS4513

EQUIPO RESCATE

CS45



BOMBA HIDRAULICA MANUAL ACCIONADA POR PEDAL

Ref. Comercial: W01205/P

Capacidad de aceite 1.2 Litros

Caudal por embolada:

1ª etapa: 13.2 Cm³ a 20 Kg/Cm²

2ª etapa: 2.2 Cm³ a 550 Kg/Cm²

N	DENOMINACION	CODIGO	N Piezas
1	BASE	50K0047	1
2	DEPOSITO BOMBA	51B0095	1
3	EJE DEPOSITO	15I0230	1
4	TAPA DEPOSITO	32A0006	1
5	PATA DEPOSITO CON ARIFICIO #B	24L0032	1
6	TORICA DE CIERRE AN9	12A0048	1
7	TUERCA DE TAPA	14B0004	1
8	JUNTA DEPOSITO	12C0016	2
9	CONJUNTO TAPON NIVEL	15L0035	1
10	TORNILLO ALLEN M4x12	14A0156	2
11	CONJUNTO PALANCA	24A0048	1
12	TORICA PISTON AN21	12A0055	2
13	EJE	15I0007	1
14	ARANDELA ELASTICA N9	14D0001	2
15	TAZA PISTON	12J0004	1
16	ENCHUFE MACHO BOLA ESPIGA #16.5 3/8NPT	AZ3321	1
17	PISTON	54B0001	1
18	ARD GUIA #32x#28.9x4	58F0210	1
19	EJE	15I0008	1
20	VALVULA 20 Kg/Cm ²	17C0006	1
21	VALVULA 550 Kg/Cm ²	17C0006	1
22	FILTRO	13F0003	1
23	ARANDELA	14C0013	1
24	EJE TRANSPORTE	15I0185	1
25	ARANDELA PARA M6	14C0004	1
26	ARANDELA DE RETENCION	14D0042	1
27	MUELLE D=8.5x28	13D0003	1
28	MUELLE D=8.5x21	13D0004	2
29	ESFERA #6	31A0001	2
30	ESFERA #8.5	31A0005	2

N	DENOMINACION	CODIGO	N Piezas
31	PIE BOMBA	25K0002	1
32	TUBO CUBRE MUELLE	18B0085	2
33	MUELLE	13A0222	1
34	TORINA AN10	12A0020	1
35	TORNILLO	1500002	1
36	CONJUNTO PEDAL	24A0045	1
37	MUELLE PEDALINO	13E0018	1
38	VALVULA	15D0044	1
39	PISTON VALVULA	54C0007	1
40	ARANDELA COBRE	57B0048	1
41	MUELLE DE SUJACION DE BOMBA OLIO 1-1/2" PARA 800 PSI	14A0197	1
42	ESPARRAGO M6x10 ORIFICIO #2	14F0044	1
43	ESPARRAGO M8x20	14F0017	1
44	MUELLE DE SUJACION 17.2x1" EN 1/2" PARA 8000 PSI	14D0055	1
45	TORICA #7x1.7B	12A0318	1
46	ARANDELA PARA M10	14C0002	1
47	ARANDELA PARA M8	14C0014	3
48	TORNILLO HEXAG.M8x20	14A0032	3
49	TUERCA HEXAGONAL DIN 934 M8	14B0006	1
50	ESFERA #5.5	31A0007	1
51	MUELLE	13D0131	1
52	MUELLE	13D0132	1
53	TORICA #10.82x1.7B	12A0056	2
54	TORNILLO RETENCION	1500004	2
55	MUELLE	13A0223	1
56	ESPARRAGO M6x10	14F0052	1
57	TORICA #13.6x1.7B	12A0380	1