

# LARZEP

## HYDRAULIC

### *INSTRUCTION & MAINTENANCE SHEET*

### *BOTTLE JACKS*

A30211, A30311, A30513, A30815, A31015  
A21514, A22014, A22514, A23014, A24014, A25014, A25015  
AB30220, AB30420, AB30421, AB21027  
AC22014, AC23014, AC25015



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## BOTTLE JACKS

### ESSENTIAL SAFETY REQUIREMENTS

- Read the instruction manual carefully and practice with the equipment prior to application.
- The bottle jack has been designed to lift vehicles. Other industrial uses are foreseen only when they are not continuous and the operator takes into consideration the safety measures corresponding to the application.
- Use safety gloves and, for industrial applications, safety goggles and boots.
- Choose an apparatus that does not exceed 80% of its nominal capacity both in load and elevation.
- Look for stable zones for the load application points and safe areas for the operators. Use chocks if necessary.
- Do not work underneath the vehicle. If absolutely necessary, mechanically block using axel stands.
- Make use of the whole support surface of the jack both at the head and base.
- Do not expose equipment to sources of intense heat (welding).
- Carry out maintenance operations when the equipment is load free and in clean well-illuminated places.
- The jack handle is used for pumping as well as for opening and closing the release valve. Do not use longer handles or any other type of tool to operate the jack.
- Once the equipment has been used, check that it has not been damaged, clean and protect before storage.
- On filling the jack with oil, use Larzep hydraulic oil or one of similar characteristics. Fill only as far as the level marked (rubber stopper) and bear in mind that the piston must be set back.
- Before carrying out any type of application make sure the jack is well installed, check the safety of the operator position and make sure it is impossible for any person to gain access to the lifting area.
- The jacks have a pressure regulating valve incorporated, calibrated in factory. Do not manipulate this valve.

### HOW TO USE

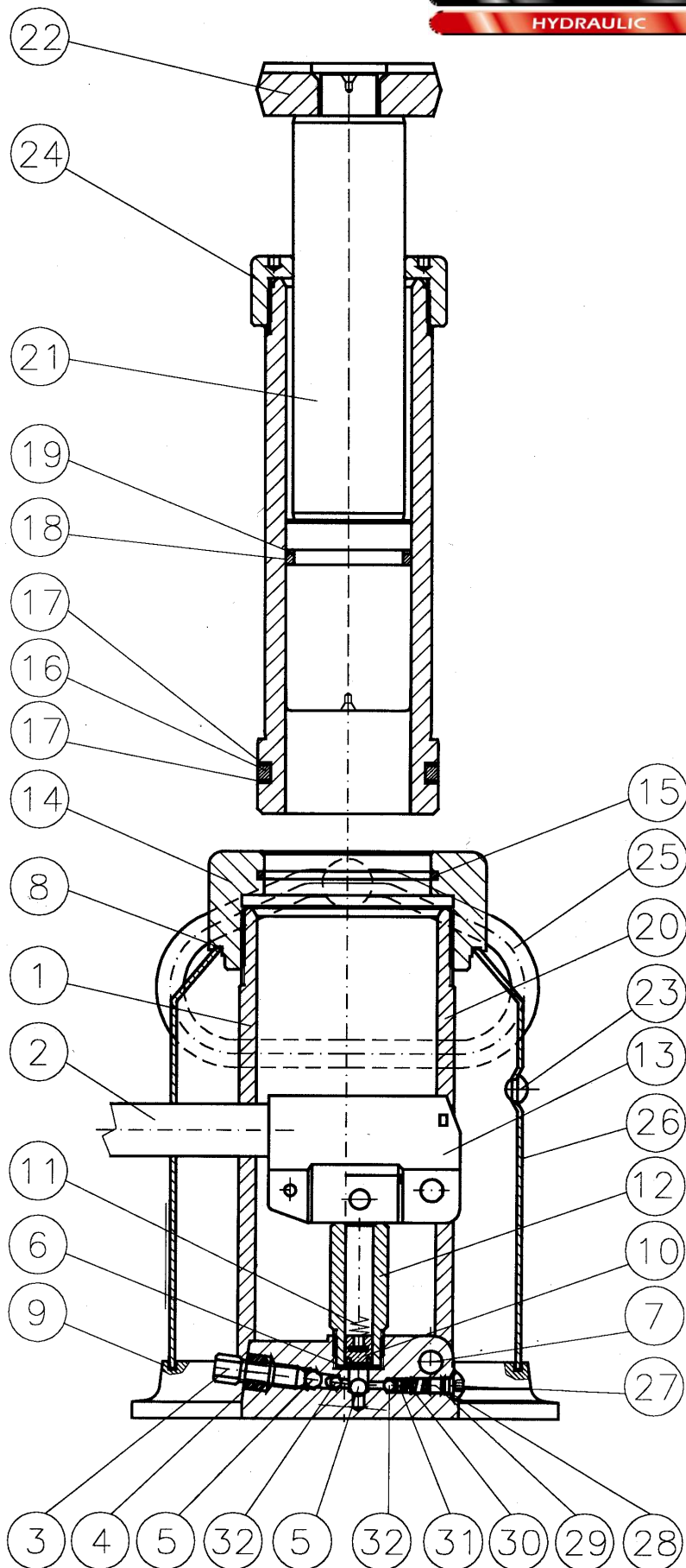
- Before using the jack, the internal circuit must be drained. To do so, open the release valve by turning to the left, a couple of turns and pump the jack several times.
- Close the release valve, turning to the right as far as it will go (it is not necessary to tighten with force). The jack is now ready to be used.
- Using the spindle (if available) move the head of the jack closer to the load application point.
- Use the left injector (low pressure), to reach the load with the two speed jack A25015.
- Raise the vehicle by pumping. Be aware of safety norms at all times.
- To lower the vehicle, turn the discharge valve slowly to the left.
- Pick up the jack (spindle and piston), clean and store for future use.
- The jack can be used in a horizontal position on other types of applications, only when the injector equipment (pump) is situated in the lower part.

### MAINTENANCE

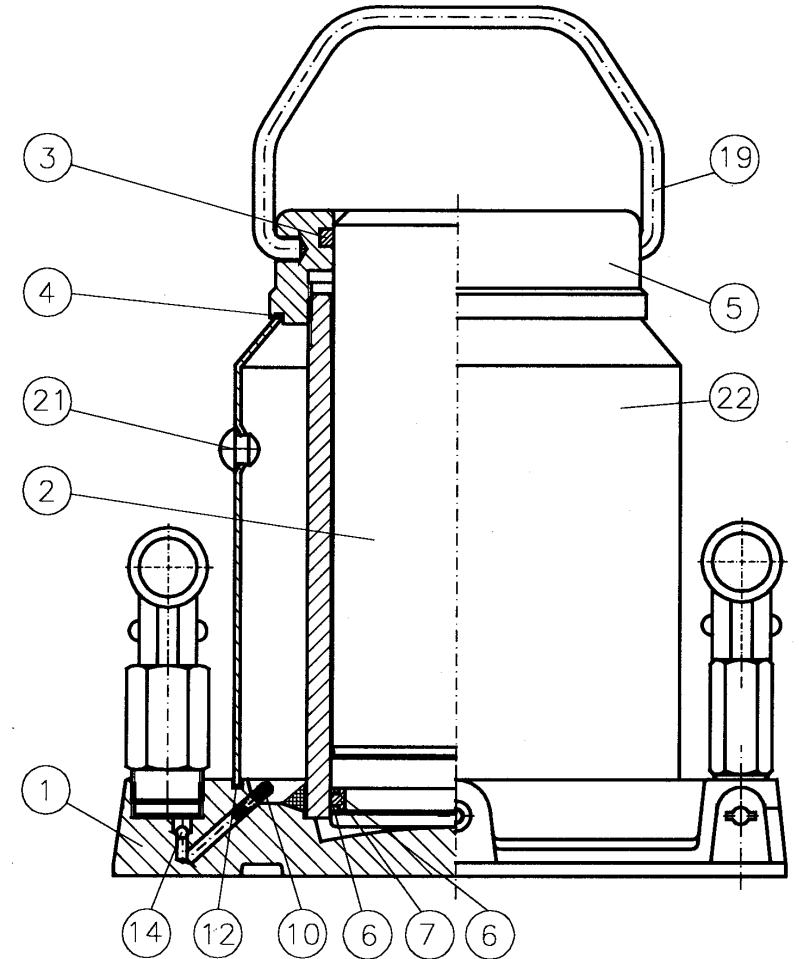
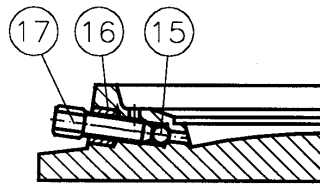
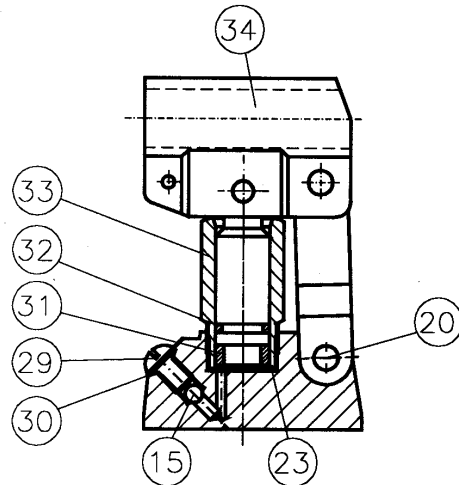
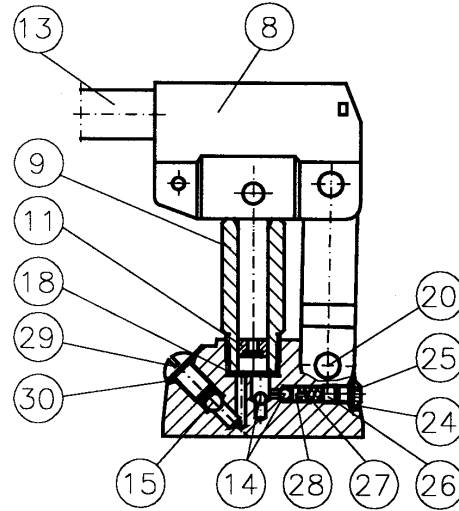
- Periodically grease the pieces that are subject to friction, the injector, the spindle, etc.
- Check the oil level and top up if necessary. The level is marked by the spillover of oil from the filling hole (rubber stopper on the side of the jack), keeping the jack in a vertical position and the piston in. Excess oil may impede the correct functioning of the jack.
- Use oil type HL or HM, ISO grade, with kinematics viscosity of 30 CST at 40 °C and Engler viscosity of 3 at 50° C. Under no circumstances should you use brake fluid.
- In maintenance operations use original Larzep parts. The reference for the set of spare parts is created by putting JR before the jack reference, i.e. JRA25015
- All repairs must be carried out by qualified personnel.

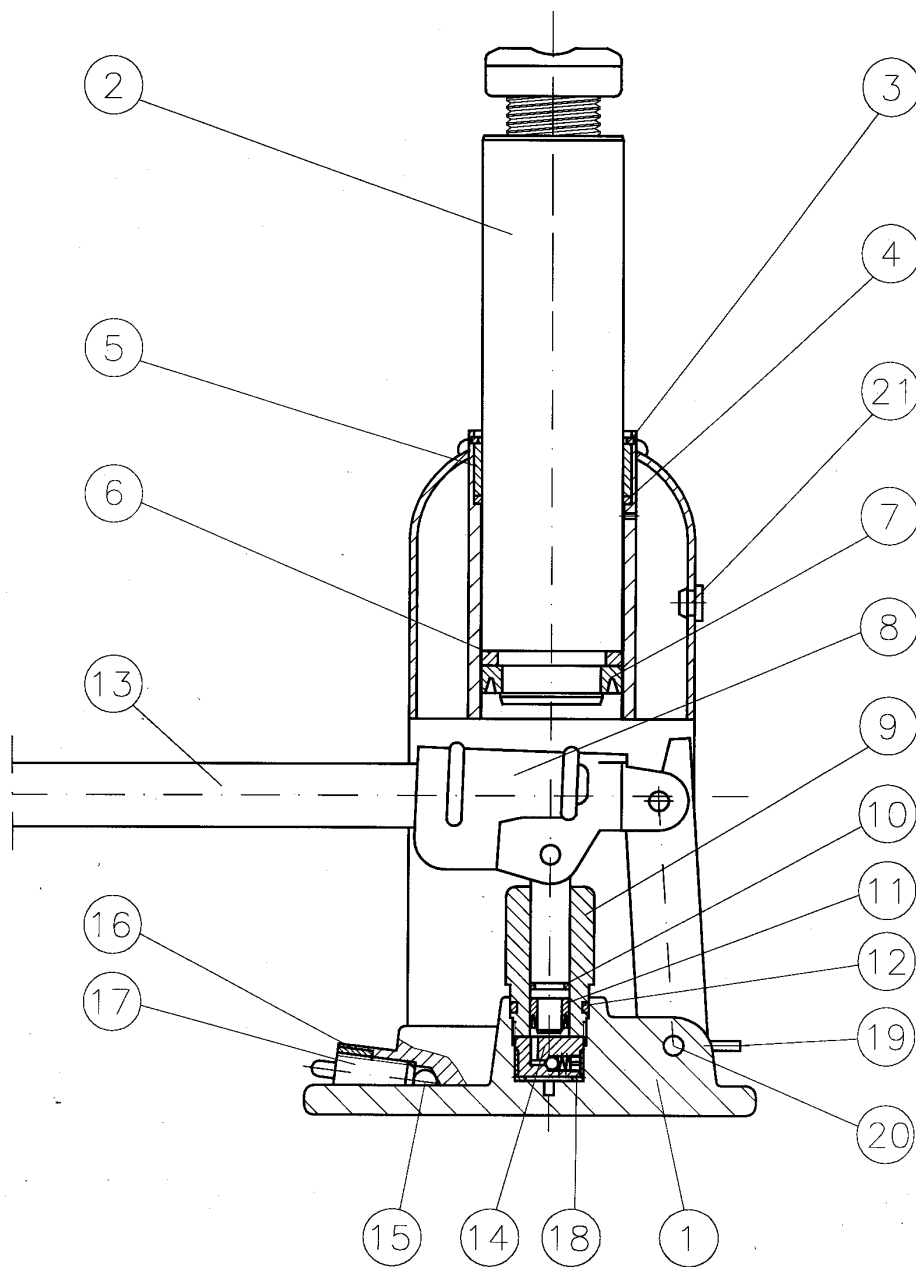


	AB21027	JR
1	52A0040	
2	24A0003	
3	15H0011	
4	12J0009	*
5	31A0001	*
6	27A0002	
7	15A0008	
8	12C0019	*
9	12C0020	*
10	12J0001	*
11	13F0001	*
12	15D0002	
13	24J0003	
14	55A0023	
15	12A0026	*
16	12E0010	*
17	57A0010	*(2)
18	12A0226	*
19	57A0275	*
20	53A0037	
21	53A0038	
22	56A0010	
23	12C0026	*
24	14B0033	
25	33C0004	
26	51B0080	
27	15O0054	
28	12A0060	*
29	14F0028	
30	13D0090	
31	15N0009	
32	31A0002	*(2)

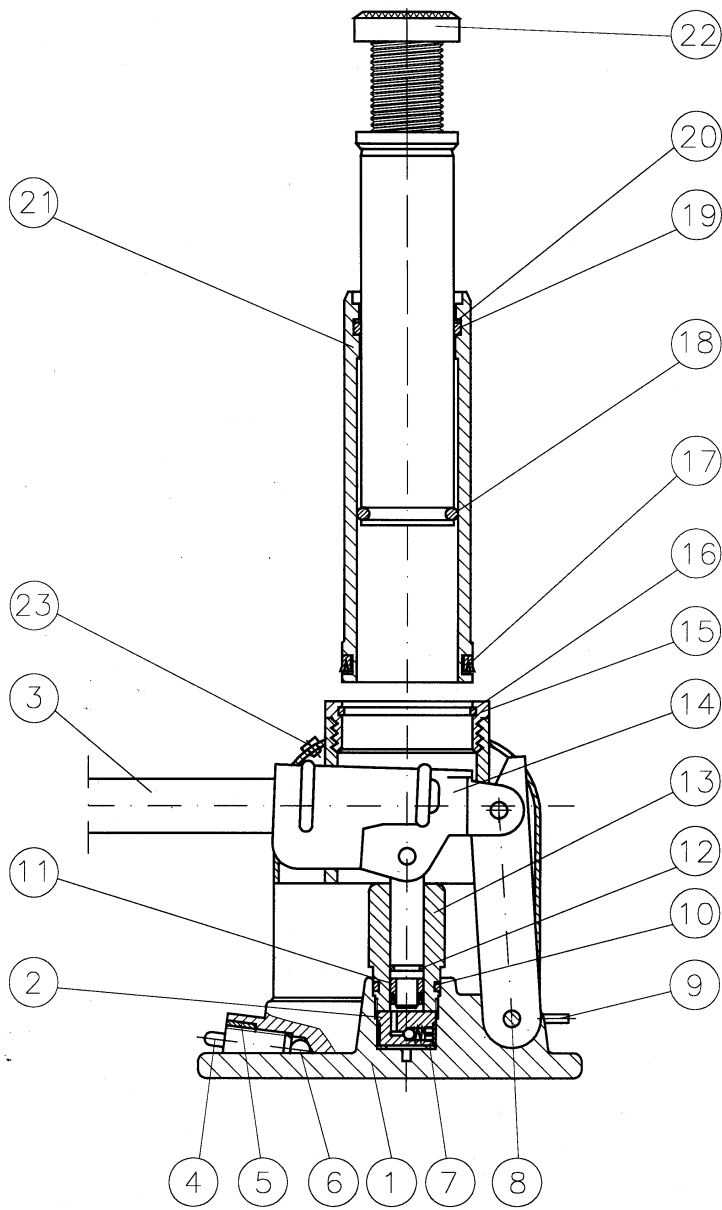


0	A25015	JR
1	52A0033	
2	53A0013	
3	12A0013	*
4	12C0023	*
5	55A0012	
6	57A0012	*(2)
7	12E0012	*
8	24J0003	
9	15D0004	*
10	13F0001	*
11	12J0001	*
12	12C0024	*
13	24A0003	
14	31A0002	*(3)
15	31A0001	*(3)
16	12J0009	
17	15H0011	
18	27A0004	
19	24C0001	
20	15A0008	
21	12C0026	*
22	51B0013	
23	27A0005	
24	12A0060	*
25	15O0054	
26	14F0028	
27	13D0090	
28	15N0009	
29	14A0001	
30	12A0022	*(2)
31	12J0003	*
32	12A0020	*
33	15D0005	
34	24J0005	





	<b>A30211</b>	<b>A30311</b>	<b>A30513</b>	<b>A30815</b>	<b>A31015</b>	<b>JR</b>
<b>1</b>	1121715	1121715	1132415	1160815	116815	
<b>2</b>	1121308	1121308	1132108	1160608	1160608	
<b>3</b>	084120	084120	084117	084118	084118	
<b>4</b>	055399	085399	085168	085400	085400	*
<b>5</b>	1121306	1121306	1131606	1160606	1160606	
<b>6</b>	111012	111012	112012	1160612	1160612	
<b>7</b>	086049	086049	086050	086145	086145	*
<b>8</b>	110170	110170	110170	110170	110170	
<b>9</b>	110277	110277	110277	110277	110277	
<b>10</b>	085038	085038	085038	085038	085038	*
<b>11</b>	086044	086044	086044	086044	086044	*
<b>12</b>	085081	085081	085081	085081	085081	*
<b>13</b>	110205	110205	110205	110206	110206	
<b>14</b>	110314/45	110314/65	110314/70	110314/65	110314/80	
<b>15</b>	089023	089023	089023	089023	089023	*
<b>16</b>	085075	085075	085075	085075	085075	*
<b>17</b>	110106	110106	110106	110106	110106	
<b>18</b>	084125	084125	084125	084125	084125	
<b>19</b>	089096	089096	089096	089096	089096	
<b>20</b>	083082	083082	083082	083082	083082	
<b>21</b>	089003	089003	089003	089003	089003	*



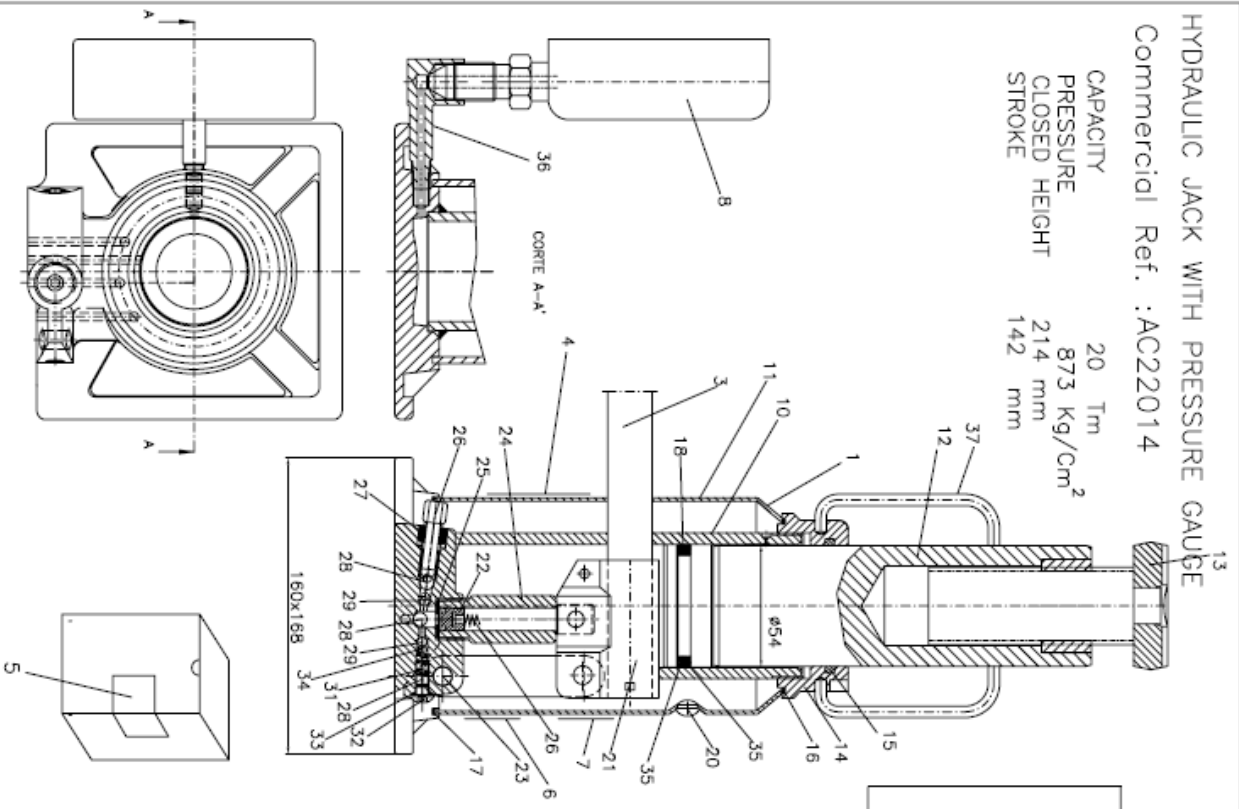
	AB30220	AB30420	AB30421	JR
1	1313715	1313715	1313715	
2	110314/35	110314/65	110314/65	
3	110205	110205	110205	
4	110106	110106	110106	
5	085075	085075	085075	*
6	089023	089023	089023	*
7	082125	082125	082125	
8	083082	083082	083082	
9	089096	089096	089096	
10	085081	085081	085081	*
11	086044	086044	086044	*
12	085038	085038	085038	*
13	110277	110277	110277	
14	110170	110170	110170	
15	1312506	1312506	1312506	
16	085392	085392	085392	*
17	086129	086129	086129	*
18	084102	084102	084102	
19	085368	085368	085368	*
20	082257	082257	082257	*
21	1312502	1312502	1312502	
22	1312517	1312517	1312817	
23	089016	089016	089016	*



## HYDRAULIC JACK WITH PRESSURE GAUGE

Commercial Ref. : AC22014

CAPACITY 20 Tm  
 PRESSURE 873 Kg/Cm<sup>2</sup>  
 CLOSED HEIGHT 214 mm  
 STROKE 142 mm



N	DESCRIPTION	CODE	N
			PIECES
1	BOTTLE JACK	AZ2014-SP	1
2	PROCESS AC21014	PROCC3	1
3	LEVER	24A0002	1
4	LARZEP STICKER	30A0023	1
5	CASE STICKER	30A0073	1
6	CHARACTERISTICS STICKER	30A0086	1
7	WARNING STICKER	30A0087	1
8	GAUGE	AM02008	1

N	DESCRIPTION	CODE	N
			PIECES
36	GAUGE ADAPTOR	15J0056	1

\* SPARE PART LIST

N	DESCRIPTION	CODE	N
			PIECES
10	BODY	52A0028	1
11	OUTER TUBE	51B0008	1
12	PISTON	53A0008	1
13	SPINDLE SADDLE	56A0008	1
14	GUIDE	55A0008	1
15	O-RING GUIDE	12A0009	1
16	JOINT GUIDE	12C0015	1
17	BASE JOINT	12C0016	1
18	PRESSURE CATCH	12E0008	1
19	ANUS O-RING	12A0060	1
20	OIL PLUG	12C0026	1
21	LOAD INJECTOR	24J0002	1
22	PISTON CUP	12J0001	1
23	RIVET	15A0008	1
24	SLEEVE	15D0002	1
25	SLEEVE WASHER	27A0002	1
26	ACTION SCREW	15H0011	1
27	RUBBER CUP	12J0009	1
28	BALL #6	31A0001	2
29	BALL #4	31A0002	2
30	FILTER	13F0001	1
31	SPRING	13D0090	1
32	TRIP SCREW	15O0054	1
33	STUD M6x5	14F0028	1
34	PLUNGER	15N0009	1
35	PISTON SEGMENT	57A0008	2
37	HANDLE	24C0041	1

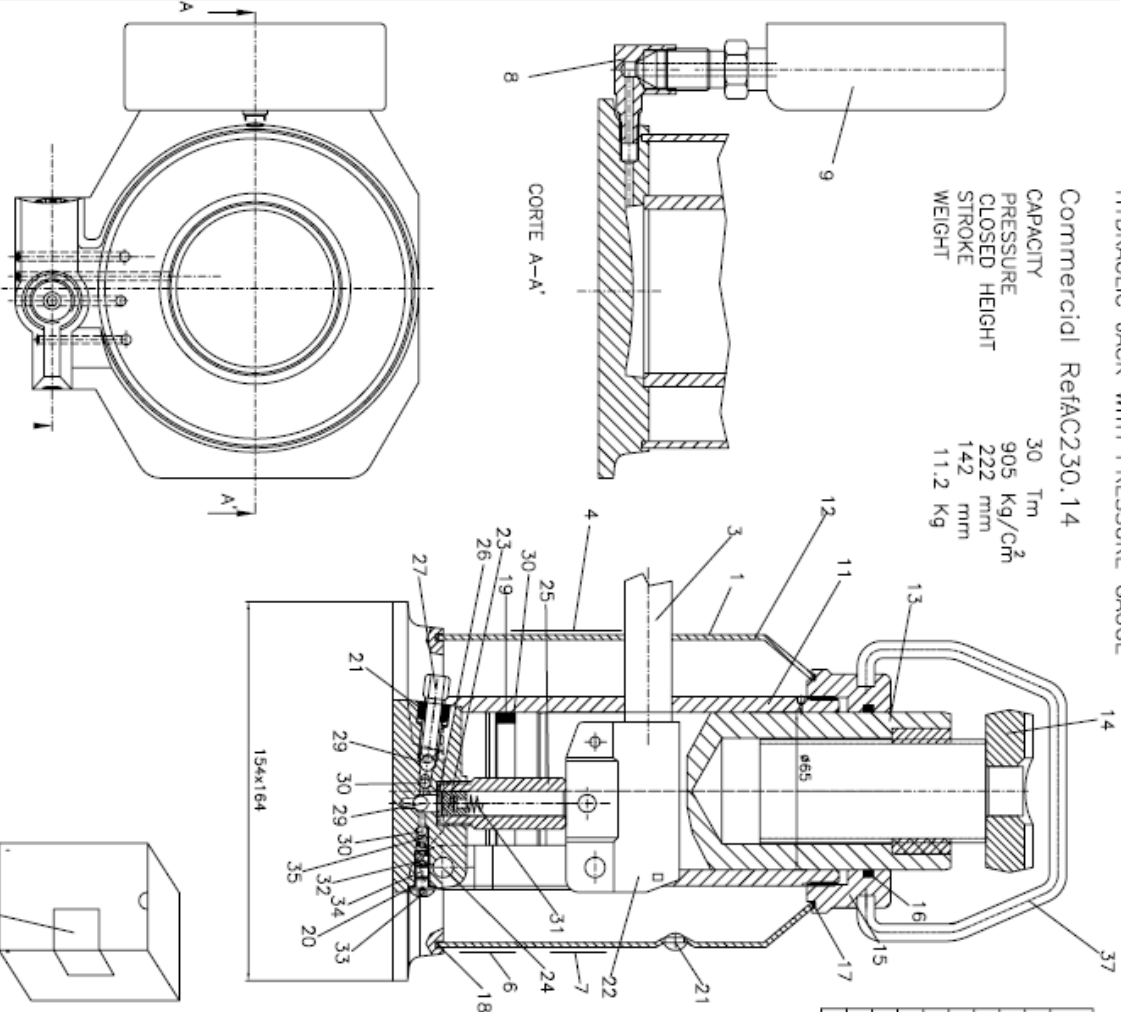
V.I. Br. Brac. Industrial		VERSION	1	Se ha diseñado el caso Ref. 24C0041 según sugerencia N° 35		FECHA	
AUTOR		DENOMINACION		MODIFICACIONES			
PEDRO GOMEZ		GATO 20TM CON MANOMETRO				LARZEP	
REF. MATERIA PRIMA	FECHA	NETAL		TRANSFORMADO	CONDICION	AC22014	
	29-11-01						
DIMENSIONES EN BRUTO	DIAGONAL	RESISTENCIA	Kg/mm <sup>2</sup>			Sustituido por	
PESO EN BRUTO	Kgr.	ESCALA	1:1	DIRECCION		Sustituye a	
Tolerancias para las dimensiones en el dibujo		MIG < 10u		MIG < 10u		MIG < 0.02u	
MOLDEOS H2 - F2S H2 - METALAS LIMITATIVAS 2.025							



## HYDRAULIC JACK WITH PRESSURE GAUGE

Commercial RefAC230.14

CAPACITY 30 Tm  
 PRESSURE 905 Kg/cm<sup>2</sup>  
 CLOSED HEIGHT 222 mm  
 STROKE 142 mm  
 WEIGHT 11.2 Kg



N°	DESCRIPTION	CODE	N°
1	BOTTLE JACK	A23014-SF	1
2	PROCESS AC213014	PROC2	1
3	LEVER	24A0003	1
4	LARZEP STICKER	30A0023	1
5	CASE STICKER	30A0075	1
6	CHARACTERISTICS STICKER	30A0086	1
7	WARNING STICKER	30A0087	1
8	GAUGE ADAPTOR	15J0055	1
9	GAUGE	AV23008	1

• SPARE PART LIST

N°	DESCRIPTION	CODE	N°
11	BODY	52A0031	1
12	OUTER TUBE	51B0010	1
13	PISTON	53A0010	1
14	SPINDLE SADDLE	56A0010	1
15	GUIDE	55A0010	1
16	O-RING GUIDE	12A0011	1
17	JOINT GUIDE	12C0019	1
18	BASE JOINT	12C0020	1
19	PRESSURE CATCH	12E0010	1
20	ANJ O-RING	12A0060	1
21	OIL PLUG	12C0026	1
22	LOAD INJECTOR	24J0003	1
23	PISTON CUP	12A0001	1
24	RIVET	15A0008	1
25	SLEEVE	15D0002	1
26	SLEEVE WASHER	27A0002	1
27	ACTION SCREW	15H0011	1
28	RUBBER CUP	12J0009	1
29	BALL ø6	31A0001	2
30	BALL ø4	31A0002	2
31	FILTER	13F0001	1
32	SPRING	13D0090	1
33	TRIP SCREW	15O0054	1
34	STUD M6x5	14F0028	1
35	PLUNGER	15N0009	1
36	PISTON SEGMENT	57A0010	2
37	HANDLE	24C0043	1

Va. Pr. Desc. Industrial

VERSION 1 Se ha otorgado el uso Ref/24C0043 según sugerencia N° 35

MODIFICACIONES

Autor PEDRO GOMEZ DENOMINACION CATO 30 Tm CON MANOMETRO

Ref. Modelo Previo Fecha 29-11-01 Material

Dimensiones en Bruto Barrena Resistencia Kg/mm<sup>2</sup>

Tasa en Bruto Mgr. Escala 1:1 DIBUJO 14

Tolerancias para las dimensiones del producto en el dibujo

NOLENDOS: H/2 - C/25 H/2 " METRICO LIMITADAMENTE 3.025

TRATAMIENTO

CANTIDAD LARZEP

AC23014

Substituye o

NOLENDOS: H/2 - C/25 H/2 " METRICO LIMITADAMENTE 3.025

1/11-01

FECHA





- *CYLINDERS*
- *HAND PUMPS*
- *ELECTRIC PUMPS*
- *AIR PUMP*
- *BOTTLE JACKS*
- *TELESCOPIC BOTTLE JACKS*
- *TROLLEY JACKS*
- *AIR HYDRAULIC JACKS*
- *HIGH LIFT JACKS*
- *BENDERS*
- *PULLERS*
- *SPREAD*
- *PRESSES*
- *CRANES*
- *TABLES*
- *MAINTENANCE SETS*
- *CABLE CUTTERS*
- *CHAIN CUTTERS*
- *NUT DEFORMERS*
- *RESCUE EQUIPMENT*
- *SPECIAL APPLICATIONS TAYLOR MADE*

## 6. DECLARATION OF CONFORMITY.

### DECLARACION DE CONFORMIDAD

**E** 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

### DECLARATION DE CONFORMITE

**F** 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

### DECLARAÇÃO DE CONFORMIDADE

**P** 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

### ÖVERENSSTEMMELSEERKLÄRING

**DK** 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

### ERKLÆRING OM OVERENSSTEMMELSE

**N** 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

### ÜBEREINSTIMMUNG-SERKLÄRUNG

**D** 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.

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

**GB** 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

### DICHIARAZIONE DI CONFORMITÀ

**I** Noi, LARZEP, S.A.  
Indirizzo: Avda. Urriaga, 6  
48269 Mallabia SPAIN  
Dichiaro 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

### VAATIMUSTEMUKAISUUSVAKUUTUS.

**FIN** 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

### VERKLARING VAN OVEREENKOMST.

**NL** 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

### FÖRSÄKRAN OM ÖVERESSTÄMMELSE

**S** Vi, LARZEP, S.A.  
Adress: Avda. Urriaga, 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

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.