

Product: Case CB Serie Hydraulic hammers Rockbreakers Service Repair Workshop Manual
Full Download: <https://www.arepairmanual.com/downloads/case-cb-serie-hydraulic-hammers-rockbreakers-service-repair-workshop-manual/>

Hydraulic hammers CB Serie

Service Manual

603.67.221.00



Sample of manual. Download All 124 pages at:

<https://www.arepairmanual.com/downloads/case-cb-serie-hydraulic-hammers-rockbreakers-service-repair-workshop-manual/>

Product: Case CB Serie Hydraulic hammers Rockbreakers Service Repair Workshop Manual

Full Download: <https://www.arepairmanual.com/downloads/case-cb-serie-hydrau>

[lic-hammers-rockbreakers-service-repair-workshop-manual/](https://www.arepairmanual.com/downloads/case-cb-serie-hydrau)

Sample of manual. Download All 124 pages at:

<https://www.arepairmanual.com/downloads/case-cb-serie-hydraulic-hammers-rockbreakers-service-repair-workshop-manual/>

HYDRAULIC HAMMERS SERVICE MANUAL

Table of contents

SECTIONS

REFERENCE N°

Hydraulic hammers CB32 - CB45 - CB65 - CB85 - CB120 - CB1507-22011GB
Hydraulic hammers CB200 S - CB260 S - CB320 S - CB400 S - CB550 S - CB700 S..... 7-23861GB

HYDRAULIC HAMMERS
CB32 - CB45 - CB65 - CB85 - CB120 - CB150

TABLE OF CONTENTS

TECHNICAL SPECIFICATIONS	3
Overall dimensions	3
SPECIFICATIONS	9
TORQUE SETTINGS	10
TOOLS REQUIRED	10
SPECIAL TOOLS	11
REPLACING A HYDRAULIC HAMMER	12
HANDLING THE HYDRAULIC HAMMER	14
IHYDRAULIC BREAKER OVERALL DIMENSIONS	16
HAMMER HYDRAULIC PRESSURE DISCHARGE	17
LOCATION OF MAIN COMPONENTS	18
CB32 - CB45 - CB65 - CB85 - CB120 - CB150	18
Removing the chassis plates	19
Installing the chassis plates	20
Releasing pressure in the low pressure accumulator	21
LOW PRESSURE ACCUMULATOR	21
Releasing pressure from the high pressure accumulator	24
HIGH PRESSURE ACCUMULATOR	24
CHARGING THE ACCUMULATOR	27
Charging	27
PRESSURE REGULATING VALVE	29
Assembly	30
TIE-RODS	32
Removal	32
CONTROL VALVE COMPONENTS (CB32 - CB85)	35
Removal	35
CONTROL VALVE BODY COMPONENTS (CB45 - CB65 - CB120 - CB150)	38
Removal	38
CYLINDER	42
Removal	42
FRONT PART	45
Removal	45
CHANGING A TOOL	48
Removal	48
Installation	49

CHANGING THE TOOL BUSHING 50

 Removal 50

 Installation 50

WEAR LIMITS 51

 Tool bushings 51

 Tools 51

INSPECTION AND MEASUREMENT OF HYDRAULIC HAMMER CIRCUIT 52

 Measurement/inspection points 52

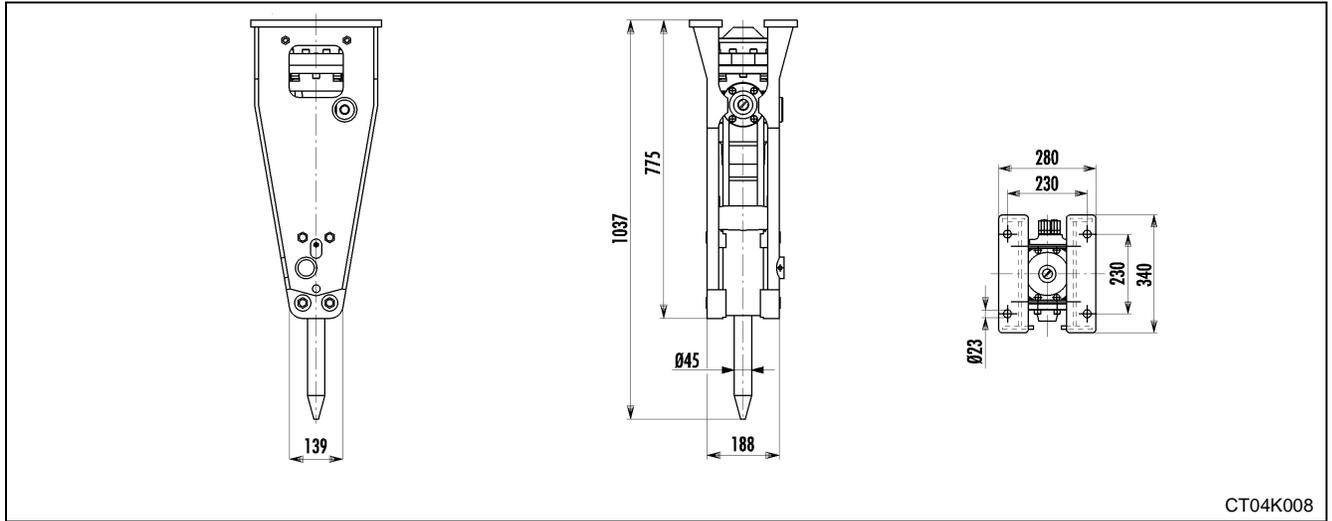
MEASURING THE HYDRAULIC HAMMER OPERATING PRESSURE 54

OPERATING PRINCIPLES 56

TROUBLESHOOTING 59

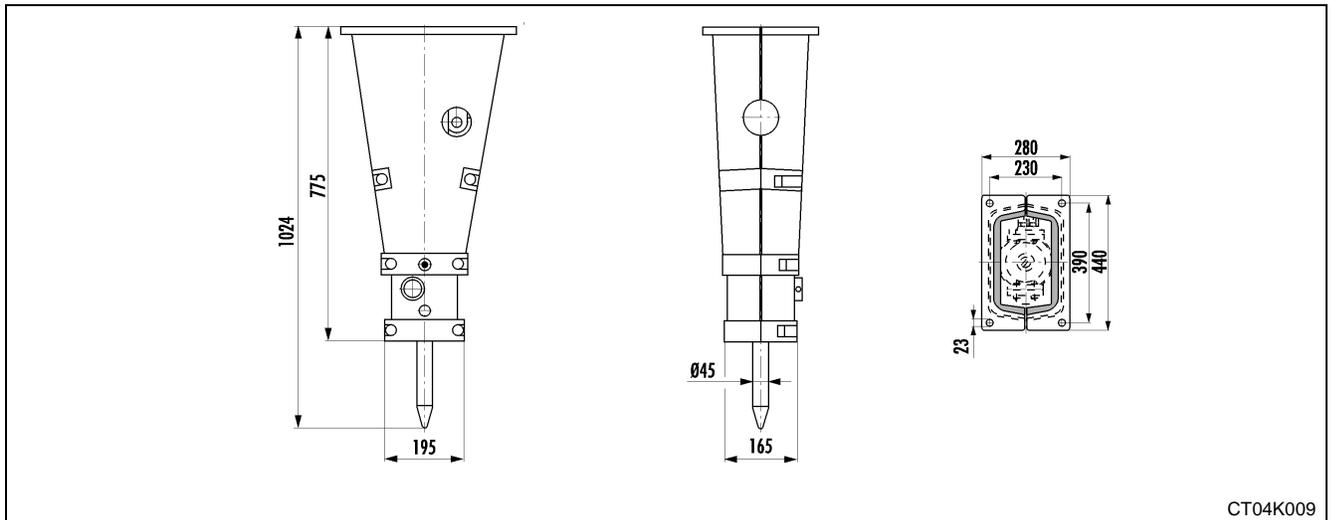
TECHNICAL SPECIFICATIONS

Overall dimensions Model CB 32 "Standard" type



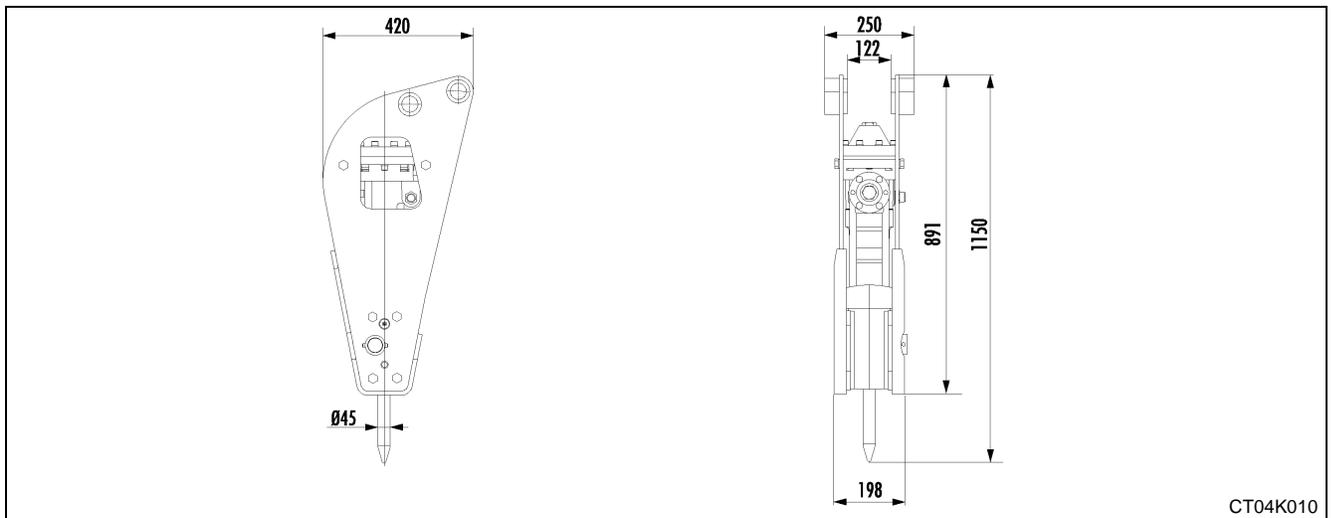
CT04K008

Model CB 32 "S" type



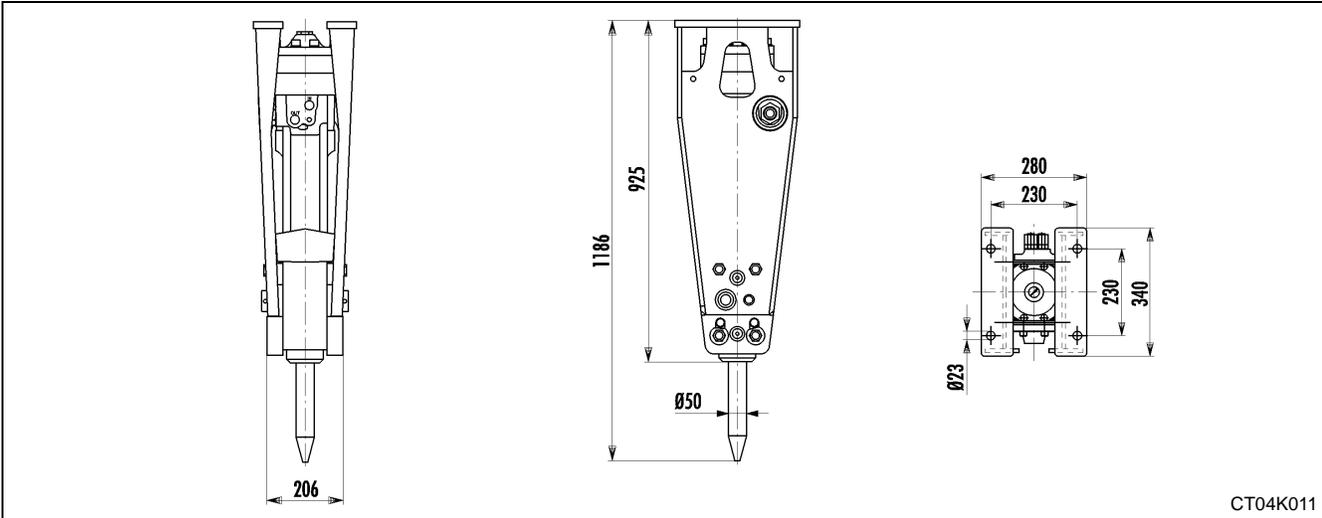
CT04K009

Model CB 32 "P" type



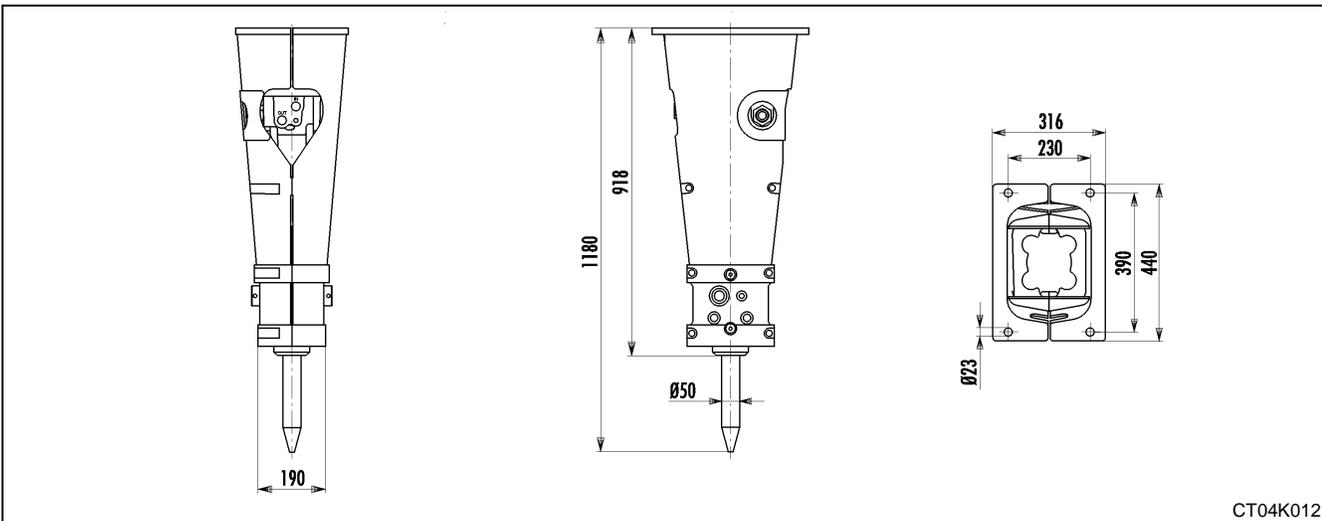
CT04K010

Model CB 45 “Standard” type



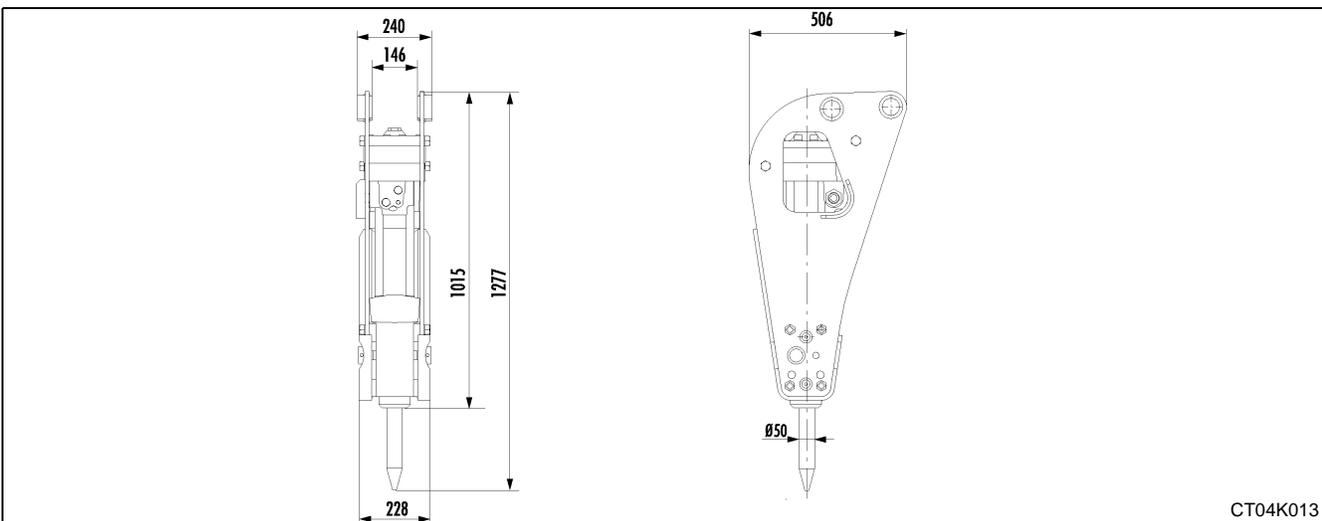
CT04K011

Model CB 45 “S” type



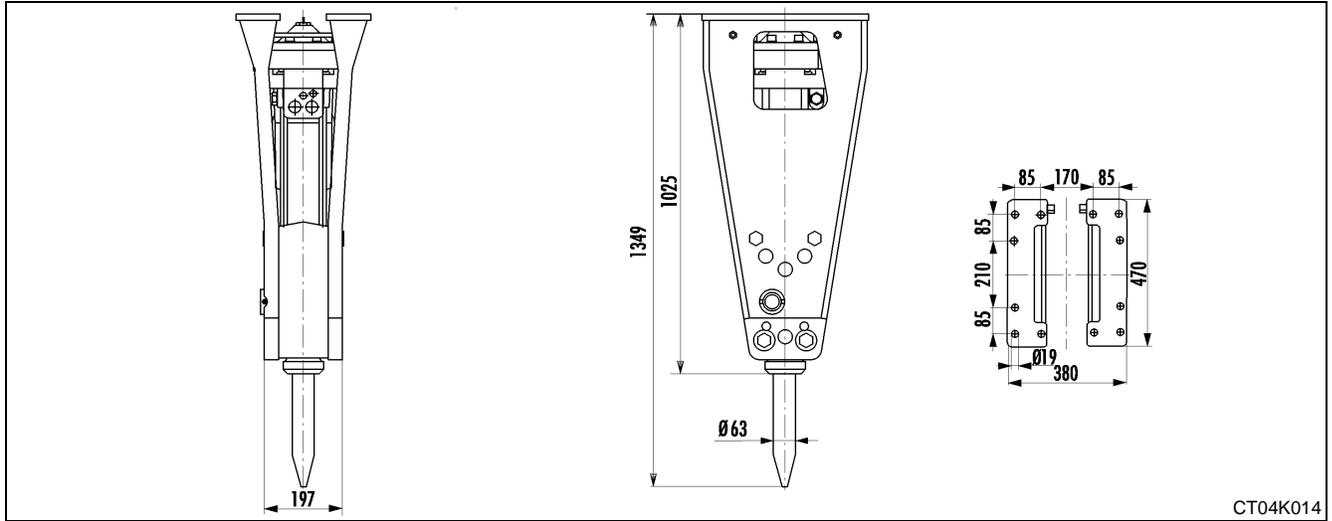
CT04K012

Model CB 45 “P” type

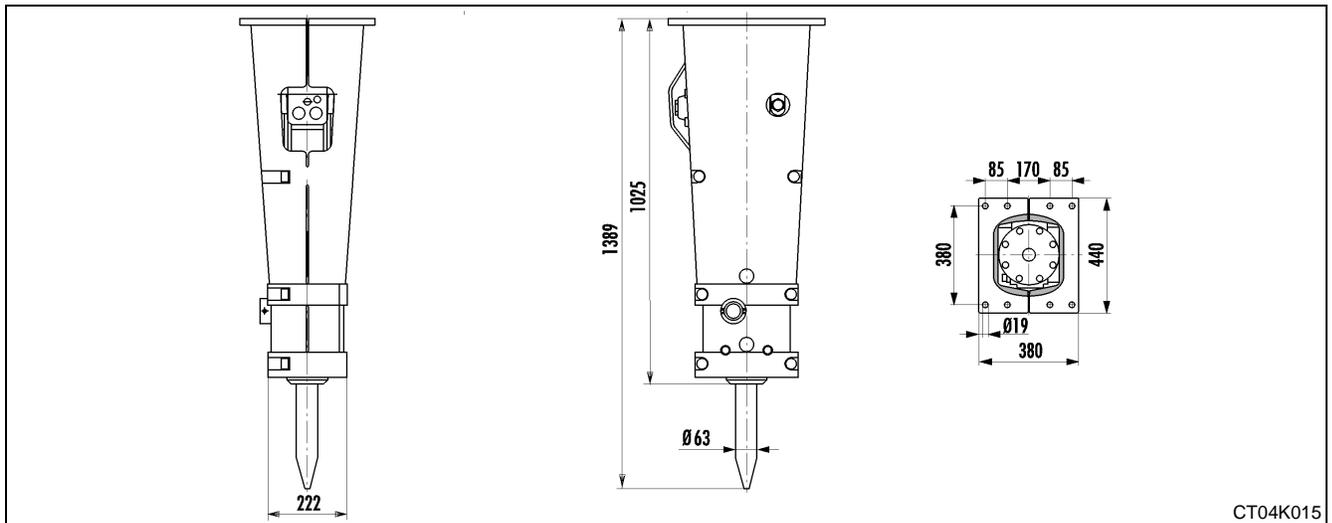


CT04K013

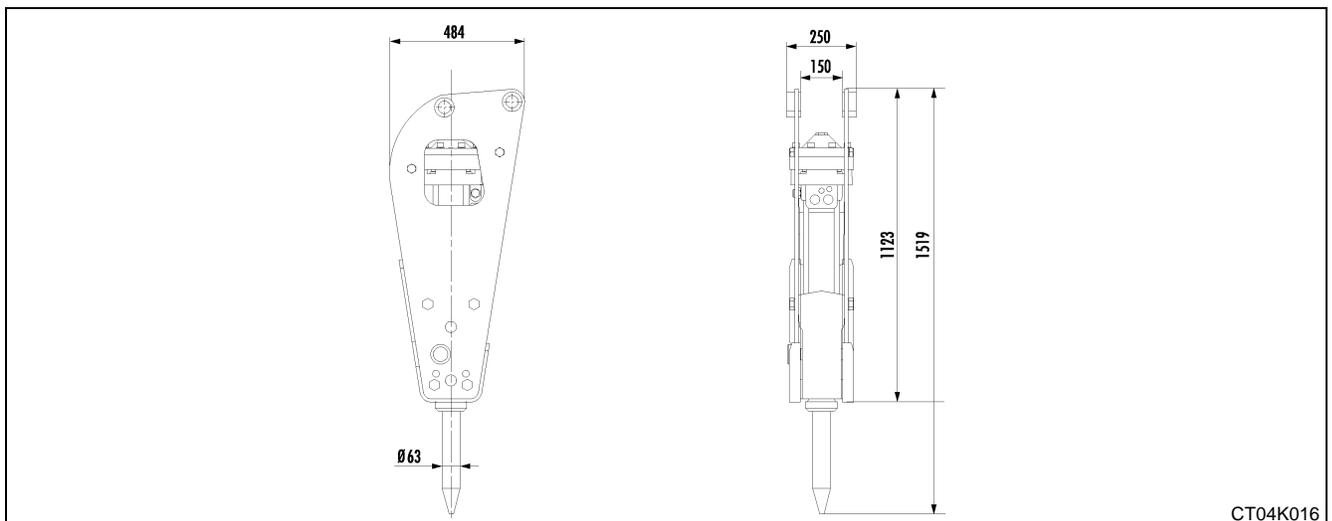
Model CB 65 “Standard” type



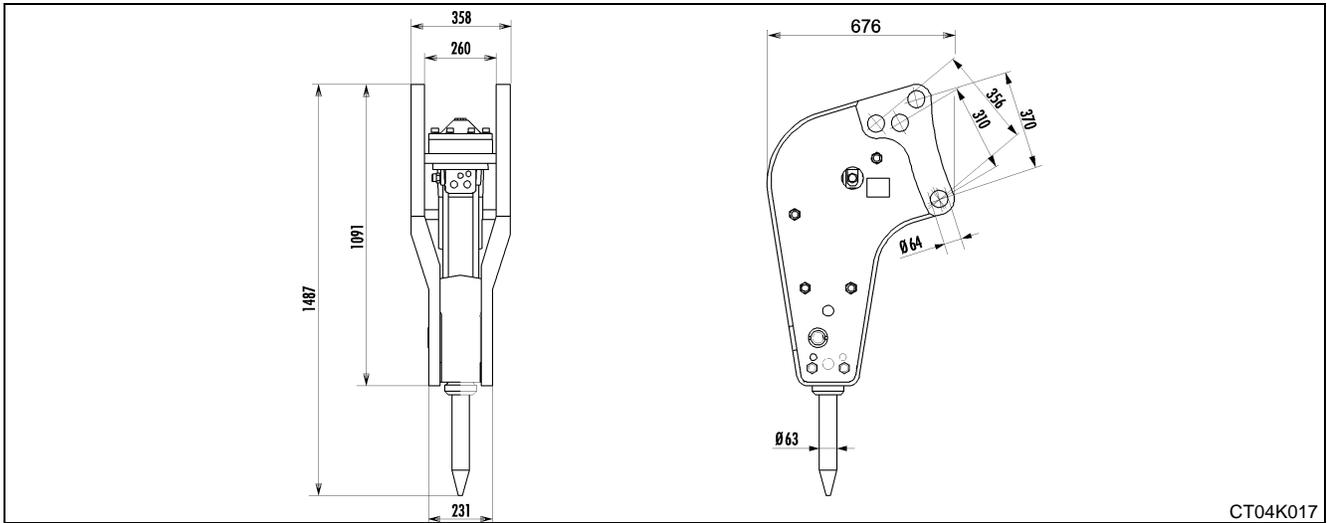
Model CB 65 “S” type



Model CB 65 “P” type

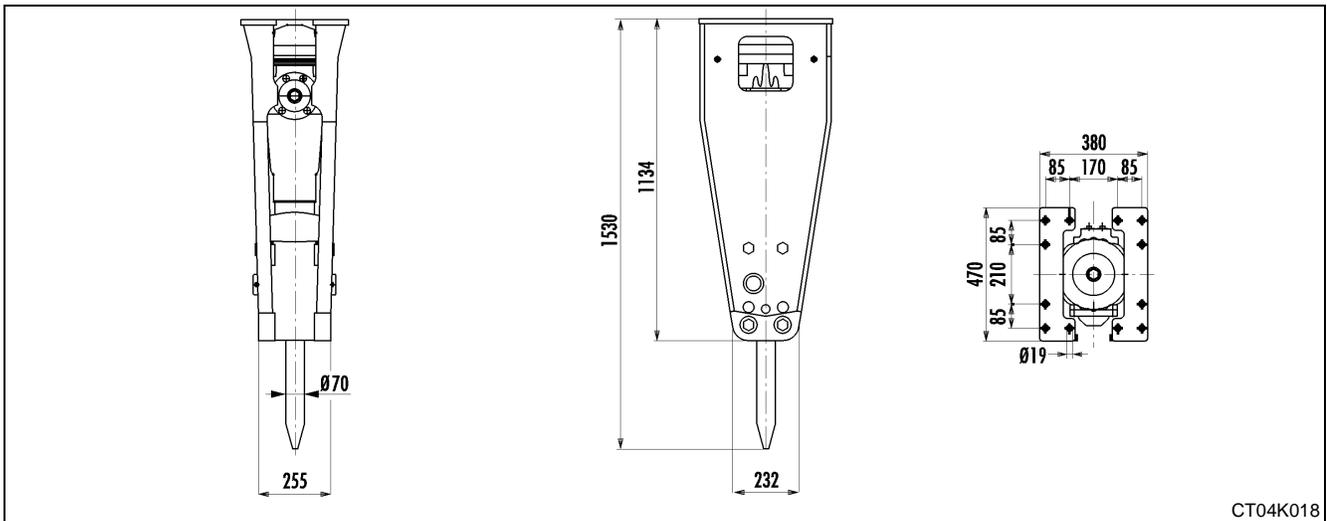


Model CB 65 “B” type



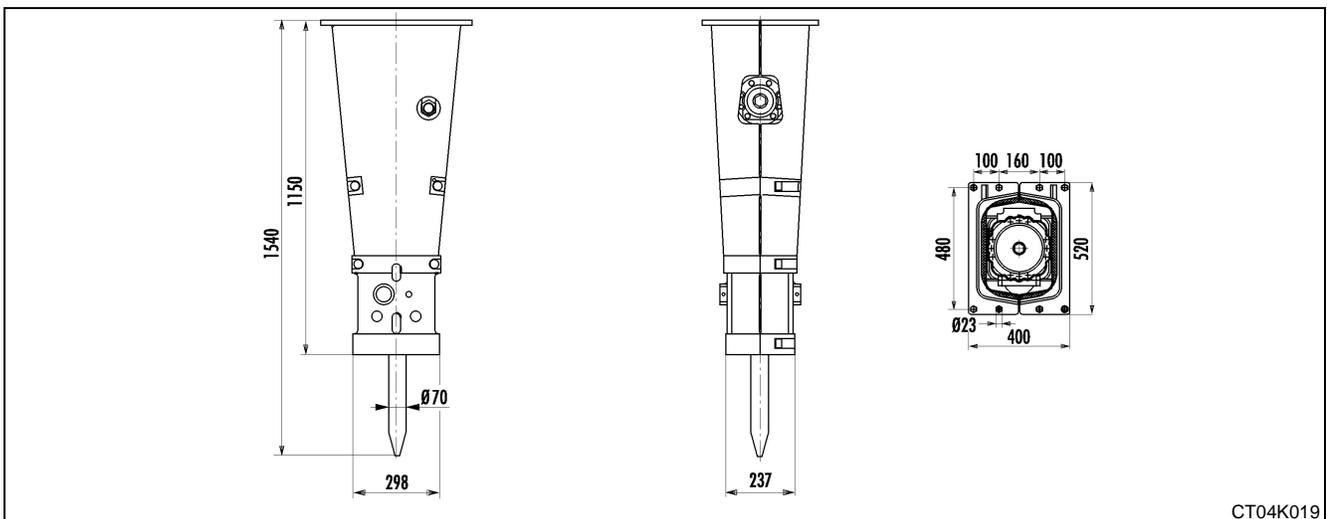
CT04K017

Model CB 85 “Standard” type



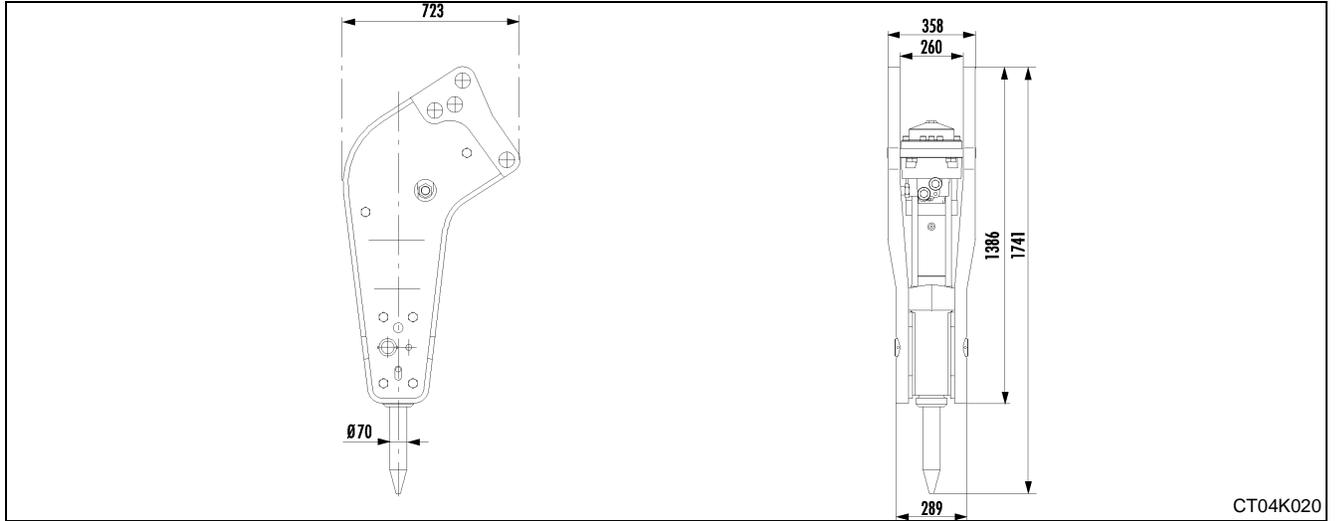
CT04K018

Model CB 85 “S” type

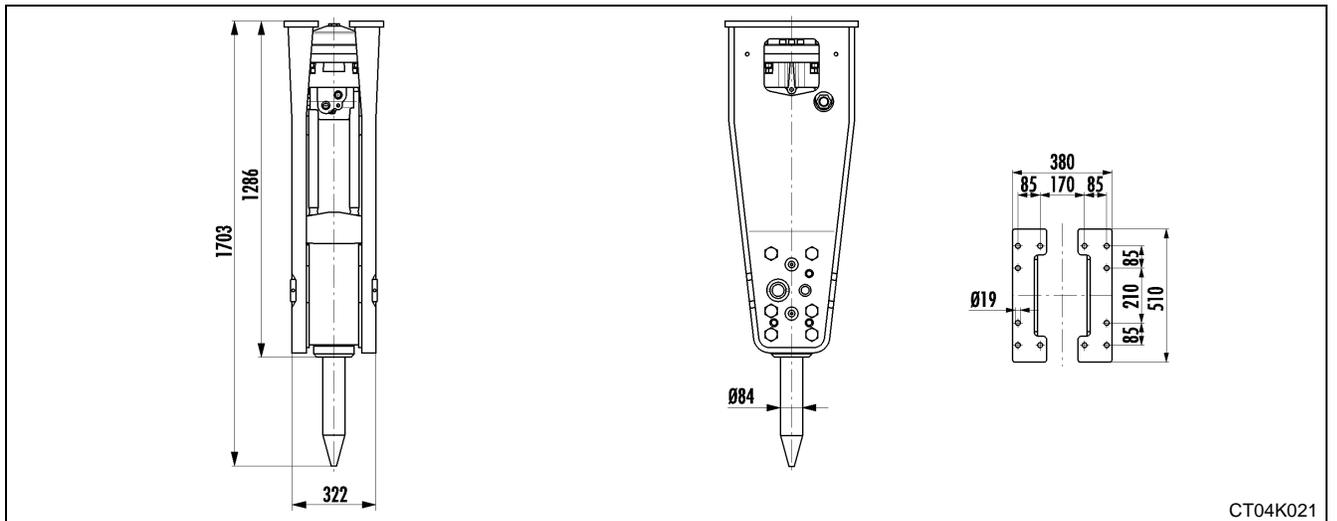


CT04K019

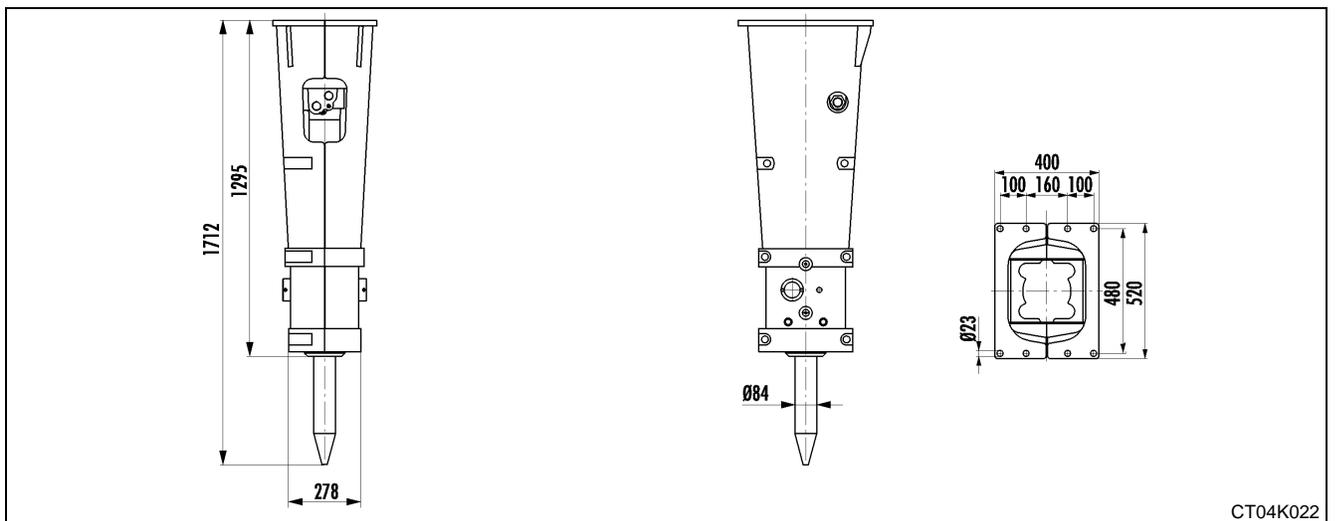
Model CB 85 "P" type



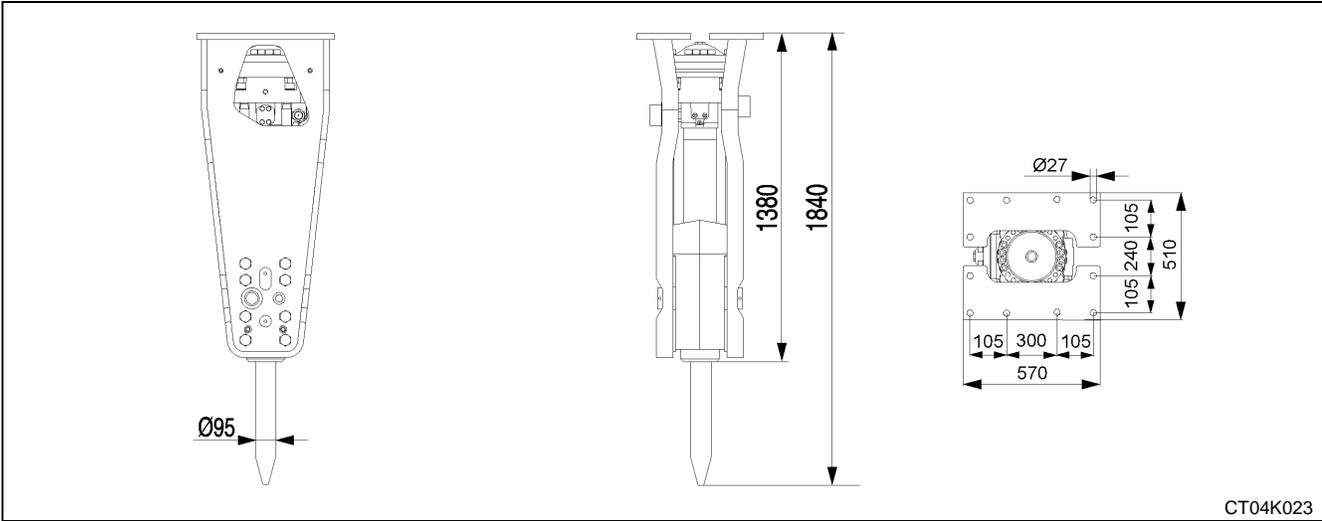
Model CB 120 "Standard" type



Model CB 120 "S" type

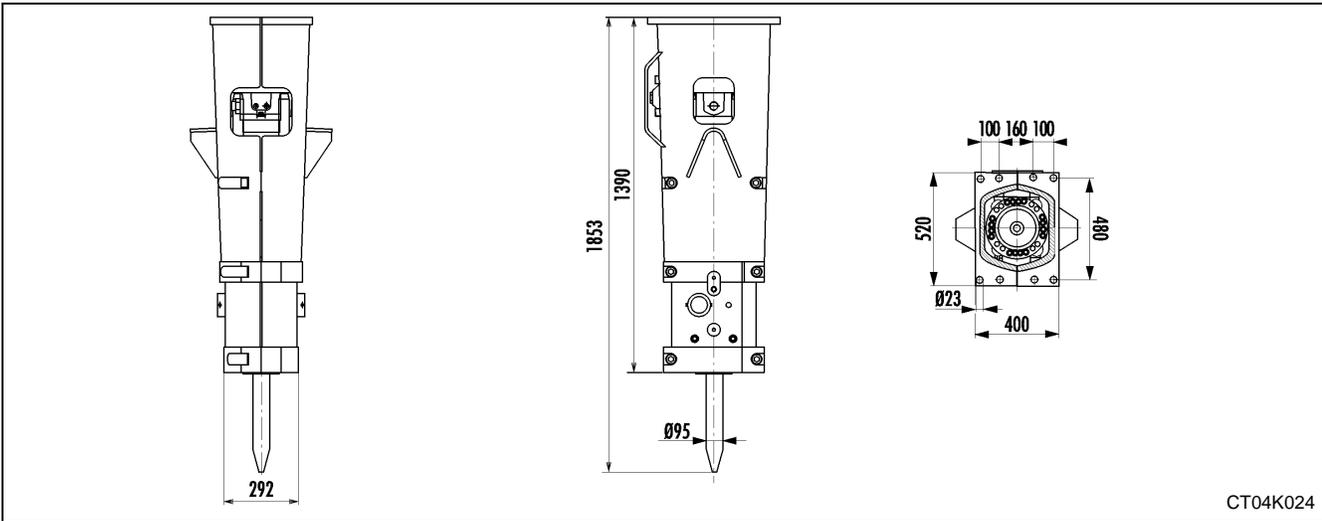


Model CB 150 “Standard” type



CT04K023

Model CB 150 “S” type



CT04K024

SPECIFICATIONS

Rubrique	CB32	CB45	CB65	CB85	CB120	CB150
Operating weight "Standard" Type (1)	130 kg	200 kg	300 kg	425 kg	590 kg	825 kg
Operating weight "S" Type (1)	140 kg	220 kg	315 kg	430 kg	590 kg	820 kg
Operating weight "P" Type (1)	110 kg	185 kg	240 kg	450 kg		
Operating weight "B" Type (1)			310 kg			
Impact rate (2)	750-2200 bpm	450-1800 bpm	400-2000 bpm	600-1800 bpm	500-1300 bpm	500-1000 bpm
Operating pressure	95-120 bar	80-110 bar	100-145 bar	100-130 bar	80-130 bar	125-150 bar
Minimum pressure setting (3)	145-175 bar	130-160 bar	150-195 bar	140-185 bar	130-180 bar	175-200 bar
maximum pressure setting	220 bar	210 bar	220 bar	220 bar	220 bar	220 bar
Oil flow	20-50 l/mn	20-70 l/mn	25-100 l/mn	50-150 l/mn	60-150 l/min	60-120 l/min
Pressure in the low pressure circuit	30-32 bar	34-36 bar	28-32 bar	38-40 bar	28-34 bar	26-28 bar
Counter pressure	30 bar	30 bar	20 bar	30 bar	10 bar	10 bar
Inlet pressure	10 kW	12,8 kW	24 kW	33 kW	32,5 kW	30 kW
Tool diameter	45 mm	50 mm	63 mm	70 mm	84 mm	95 mm
Pressure pipe union (N)	BSP 1/2"	BSP 3/4"	BSP 3/4"	BSP 1"	BSP 1"	BSP 1"
Return pipe union (out)	BSP 1/2"	BSP 3/4"	BSP 3/4"	BSP 1"	BSP 1"	BSP 1"
Grease union (G)		BSP 3/8"				
Air union (A)		BSP 1/2"				
Pressure pipe dimension (minimum internal diameter)	12 mm	15 mm	19 mm	26 mm	26 mm	26 mm
Return pipe dimension (minimum internal diameter)	12 mm	15 mm	19 mm	26 mm	26 mm	26 mm
Optimum oil temperature	+40 +60 °C	+40 +60 °C	+40 +60 °C	+40 +60 °C	+40 +60 °C	+40 +60 °C
Permitted oil temperature range	-20 +80 °C	-20 +80 °C	-20 +80 °C	-20 +80 °C	-20 +80 °C	-20 +80 °C
Optimum oil viscosity at operating temperature	30-60 cSt	30-60 cSt	30-60 cSt	30-60 cSt	30-60 cSt	30-60 cSt
Maximum oil viscosity	20-1000 cSt	20-1000 cSt	20-1000 cSt	20-1000 cSt	20-1000 cSt	20-1000 cSt
Tool carrier weight (4)	13...3,2 t	2,5...4,5 t	3...6,5 t	5...8,5 t	7...12 t	9...15 t
Table of applications of the hydraulic breaker	See operator's manual					
Noise level	See operator's manual					

1. With assembly rings and standard tool.
2. The real impact frequency depends on the oil flow, the oil viscosity, the temperature and the material being which is being broken.
3. Minimum setting = real operating pressure +50 bar (730 psi).
4. The recommendations made for the component are intended to provide optimum stability when it is used on a tool-carrier with standard load excavator chassis, boom and dipper. For applications using other tool-carriers, contact your Dealer to check compatibility and stability of the tool-carrier.

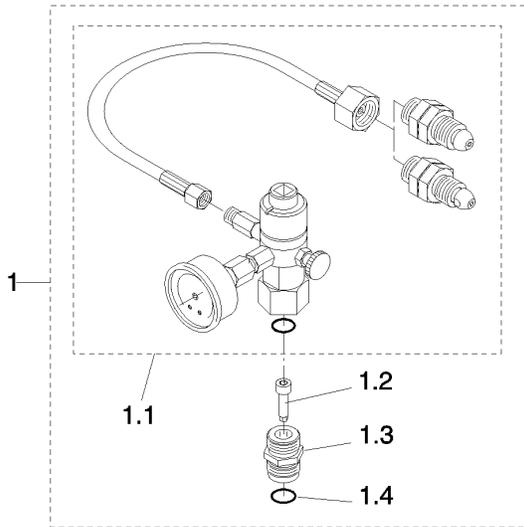
TORQUE SETTING

Sections	Torque setting					
	CB32	CB45	CB65	CB85	CB120	CB150
Low pressure accumulator retaining screws (A)	70 Nm	175 Nm	175 Nm	175 Nm	175 Nm	340 Nm
Low pressure accumulator retaining screws (B)	70 Nm	175 Nm	175 Nm	175 Nm	175 Nm	175 Nm
Low pressure accumulator cover retaining screws	70 Nm	175 Nm	175 Nm	175 Nm	Nm	340 Nm
High pressure accumulator retaining screws	70 Nm	70 Nm	175 Nm	175 Nm	Nm	340 Nm
High pressure accumulator cover retaining screws	70 Nm	70 Nm	70 Nm	175 Nm	Nm	175 Nm
Spring housing screw (A)	150 Nm	340 Nm	150 Nm	340 Nm	340 Nm	340 Nm
Flange plug (B)	120 Nm	200 Nm	120 Nm	120 Nm	120 Nm	200 Nm
Tie-rod (A) pre-tightening torque setting	70 Nm	175 Nm	175 Nm	500 Nm	500 Nm	340 Nm
Supplementary tightening angle	60°	60°	90°	60°	90°	90°
Protective plug (A) (for charging accumulator)	150 Nm	150 Nm	150 Nm	150 Nm	150 Nm	150 Nm
Accumulator (B) filler port plug	20 Nm	20 Nm	20 Nm	20 Nm	20 Nm	20 Nm
Plug for front part of flange (A)		50 Nm	50 Nm	50 Nm	50 Nm	50 Nm
Plug for front part of flange (B)		80 Nm	80 Nm	80 Nm	80 Nm	80 Nm
High pressure port plug (A)	30 Nm	30 Nm	30 Nm	30 Nm	30 Nm	30 Nm
Plug for high pressure port (B)	30 Nm	30 Nm	30 Nm	30 Nm	30 Nm	30 Nm
Tube spacer (A) retaining screws "B" Type	-	-	820 Nm	-	-	-
Tube spacer (A) retaining screws "P" Type	250 Nm	480 Nm	480 Nm	820 Nm	-	-
Chassis plate retaining screws (A) "Standard" Type	340 Nm	340 Nm	175 Nm	175 Nm	175 Nm	340 Nm
Chassis plate retaining screws (B) "Standard" Type	250 Nm	480 Nm	820 Nm	820 Nm	1600 Nm	1150 Nm
Chassis plate retaining screws (A) "S" Type	340 Nm	340 Nm	175 Nm	340 Nm	340 Nm	340 Nm
Chassis plate retaining screws (B) "S" Type	175 Nm	175 Nm	340 Nm	340 Nm	580 Nm	340 Nm
Chassis plate retaining screws (A) "P" Type	250 Nm	480 Nm	-	820 Nm	-	-
Chassis plate retaining screws (B) "P" Type	250 Nm	480 Nm	-	820 Nm	-	-

TOOLS REQUIRED

- Torque wrench (150 à 700 Nm)
- Torque wrench (20 à 200 Nm)
- Torque wrench (15 Nm)

SPECIAL TOOLS



- R050065
xxxxxx - Accumulator charging kit (includes components 1.1 to 1.4)
- xxxxxx - Charging device (1.1)
- xxxxxx - Socket (1.2)
- xxxxxx - Adaptor (1.3)
- xxxxxx - O-ring (1.4)



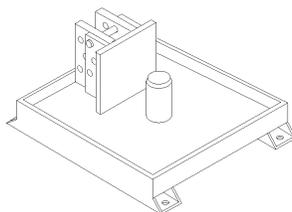
xxxxxx - Pressure gauge 250 bar

R050253



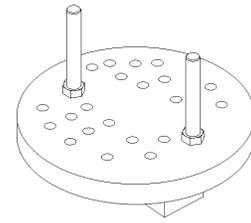
xxxxxx - Pressure gauge 60 bar

R050253



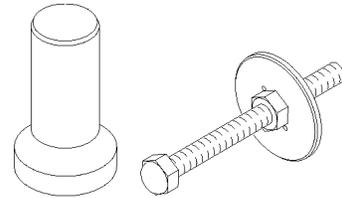
xxxxxx - Hammer support assembly

R050068



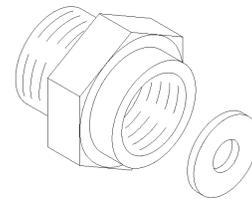
xxxxxx - Accumulator support assembly

R050254



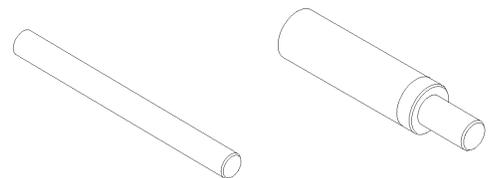
xxxxxx - Centring piece (CB 200 - CB 1150)

R050255



xxxxxx - Adaptor for nitrogen bottle (France)

R050073



xxxxxx - 20 dia. drift

R050072



Lifting ring

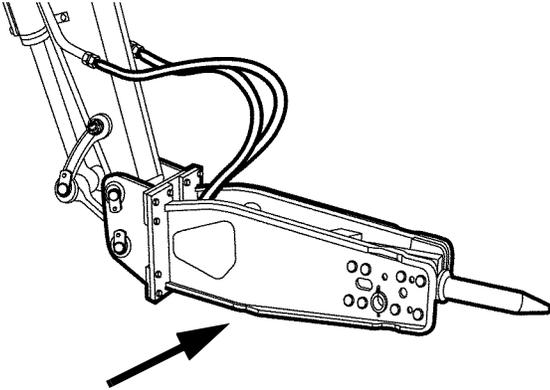
R050075

- xxxxxx - M 10 Qty 2
- xxxxxx - M 12 Qty 2
- xxxxxx - M 16 Qty 2
- xxxxxx - M 24 Qty 2
- xxxxxx - M 24x2 Qty 2
- xxxxxx - M Qty 2

REPLACING A HYDRAULIC HAMMER

Removal

STEP 1



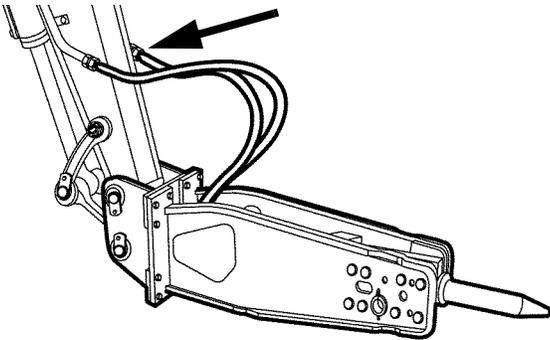
CT02D444

Place the hydraulic hammer horizontally on flat, hard ground.

STEP 2

Shut down the engine and remove the starter switch key. Release pressure in the hydraulic hammer circuit. See "Releasing pressure in the hydraulic circuit" in the "Lubrication/Filters/Fluids" Section of the operator's manual for the machine concerned.

STEP 3



CT02D444

Place a receptacle of a suitable capacity under the piping. Close the valves (circuit opening and closing) on the piping (if equipped). Disconnect the hoses from the pipes. Plug if necessary.

STEP 4

Remove the pin retaining hardware (as fitted).

STEP 5

Remove the connecting rod/hammer pins, then the dipper/hydraulic hammer pins.

STEP 6

Operate the machine's controls to disengage the hammer.

STEP 7

Remove the plugging screw and install the lifting ring (depending on type fitted). See "Handling the hydraulic hammer" in the "Operating instructions" Section.

Installation

STEP 1

Operate the attachment controls to bring the dipper into the hydraulic hammer.

STEP 2

Shut down the engine and remove the starter switch key. Release the pressure in the hydraulic hammer circuit. See "Releasing pressure in the hydraulic circuit" in the "Lubrication/Filters/Fluids" Section of the operator's manual for the machine concerned.

STEP 3

Install the dipper/hydraulic hammer pin. Place a receptacle of a suitable capacity under the piping. Connect the hydraulic hammer hoses.

STEP 4

Operate the connecting rod control to bring it into the hydraulic hammer, then shut down the engine and remove the starter switch key.

STEP 5

Install the connecting rod/hydraulic hammer pin and install the retaining hardware for the pins (as fitted).

STEP 6

Open the valves (circuit opening and closing) on the piping (if equipped).

STEP 7

Remove the lifting ring and install the plugging screw.

STEP 8

Grease the linkages.

STEP 9

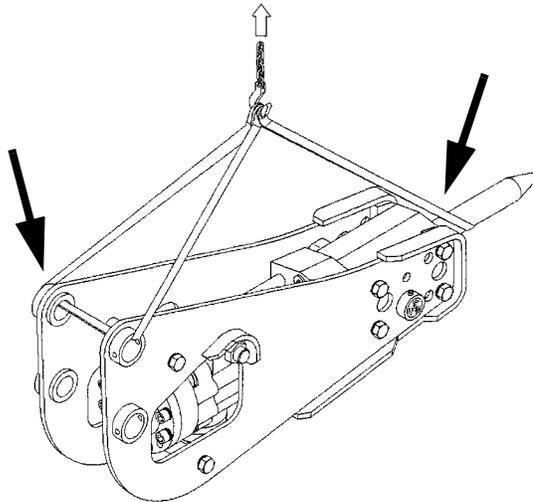
For the hydraulic hammer control, refer to "Option pedal" in the "Controls/Instruments/Accessories" Section of the operator's manual for the machine concerned.

HANDLING THE HYDRAULIC HAMMER

The lifting equipment must be able to withstand the weight of the hydraulic hammer. See "Hydraulic hammer weight specifications".

- Use slings, straps, accessories and chains which are in perfect condition, and which have an effective device for preventing unhooking.
- Set up guidance systems for handling and operate handling machines in accordance with regulations.
- Do not allow anyone into the working area of the hydraulic hammer during handling.
- Position chains and slings as shown above.

Types CB32 to CB150



CS99C626

Installation

STEP 1

Operate the attachment controls to bring the dipper into the hydraulic hammer.

STEP 2

Shut down the engine and remove the starter switch key. Release the pressure in the hydraulic hammer circuit. See "Releasing pressure in the hydraulic circuit" in the "Lubrication/Filters/Fluids" Section of the operator's manual for the machine concerned.

STEP 3

Install the dipper/hydraulic hammer pin. Place a receptacle of a suitable capacity under the piping. Connect the hydraulic hammer hoses.

STEP 4

Operate the connecting rod control to bring it into the hydraulic hammer, then shut down the engine and remove the starter switch key.

STEP 5

Install the connecting rod/hydraulic hammer pin and install the retaining hardware (as fitted).

STEP 6

Open the valves (circuit opening and closing) on the piping (if equipped).

STEP 7

Remove the lifting ring and install the plugging screw.

STEP 8

Grease the linkages.

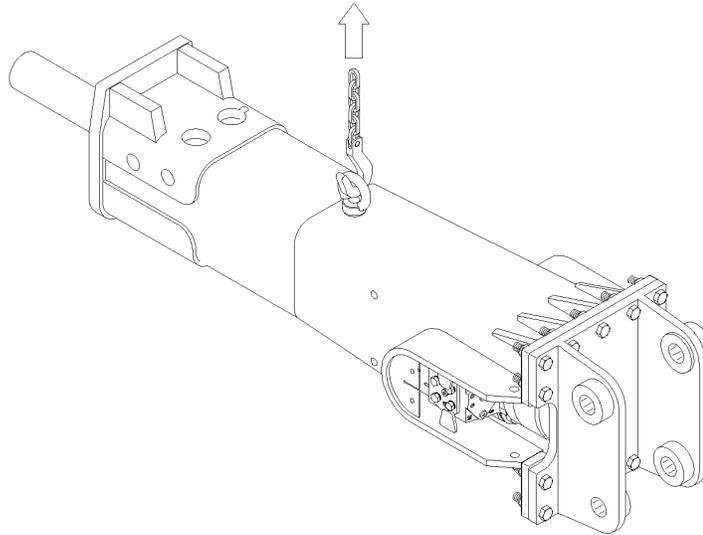
STEP 9

For the hydraulic hammer control, refer to "Option pedal" in the "Controls/Instruments/Accessories" Section of the operator's manual for the machine concerned.

The lifting equipment must be able to withstand the weight of the hydraulic hammer. See "Hydraulic hammer weight specifications".

- Use slings, straps, accessories and chains which are in good condition and which have an effective device to prevent unhooking.
- Install guidance systems for handling and operate handling machines in accordance with regulations.
- Do not allow anyone to stay within the working area of the hydraulic hammer during handling.
- Position the chains and slings as shown below.

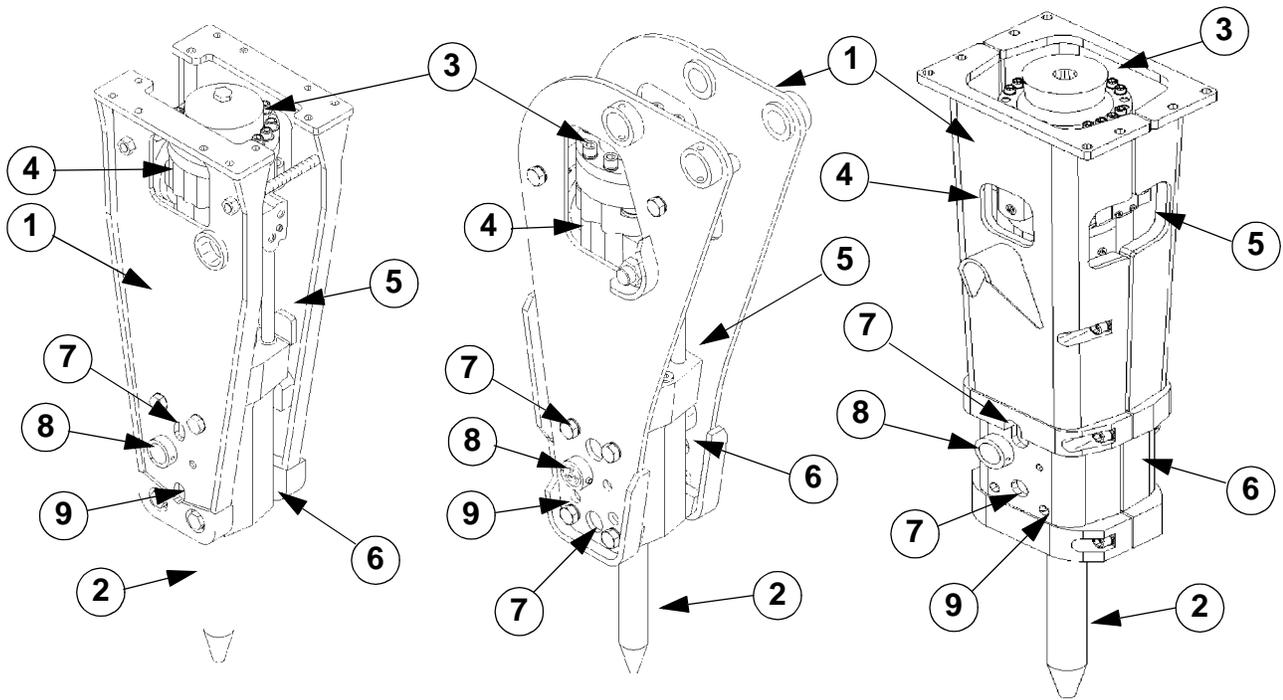
Types CB200 S to CB700 S



C010002

NOTE: *The lifting ring must always be removed from the hydraulic hammer and replaced by a plugging screw before starting to operate the hydraulic hammer.*

IDENTIFICATION OF COMPONENTS



- 1 - Side plates
- 2 - Tool
- 3 - Low pressure accumulator
- 4 - High pressure accumulator
- 5 - Threaded rods

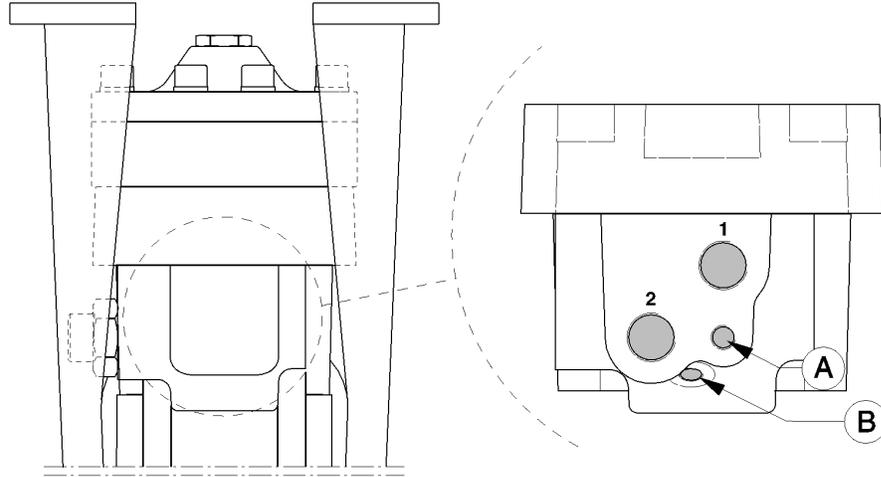
- 6 - Head
- 7 - Grease fittings
- 8 - Tool retaining hardware
- 9 - Tool bushing retaining hardware

CT04K002

HAMMER HYDRAULIC PRESSURE DISCHARGE



WARNING: When the hydraulic hammer is connected to the tool-carrier, the hydraulic pressure inside the hydraulic hammer must always be released before carrying out any adjustment or repair. The hydraulic hammer may still contain oil under pressure even if it is no longer connected to the tool-carrier. Release the hydraulic pressure in accordance with the following instructions, or wait at least 10 minutes before opening plugs or control valve caps.



- 1 - Inlet port
- 2 - Outlet port

R050214

STEP 1

Shut down the tool-carrier engine. Operate the boom and hydraulic hammer controls to ensure complete release of pressure contained in the hoses.

STEP 2

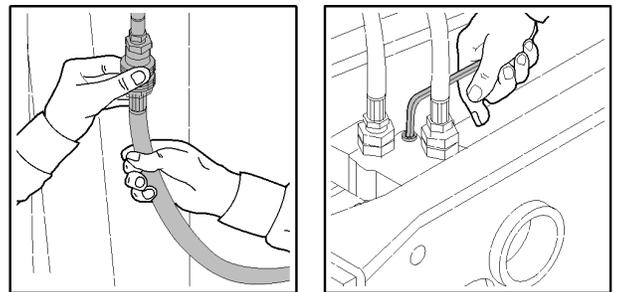
Close the hydraulic hammer inlet and outlet ports. If quick couplers are used, shutting off the circuit will automatically close the hydraulic hammer lines. If ball-valves are included in the hydraulic hammer piping, make sure they are correctly closed.

STEP 3

Unscrew the pressure release plugs (A) and (B). Watch out for oil leaks.

STEP 4

Retighten the pressure release plugs (A) and (B) to the specified torque setting (30 Nm).



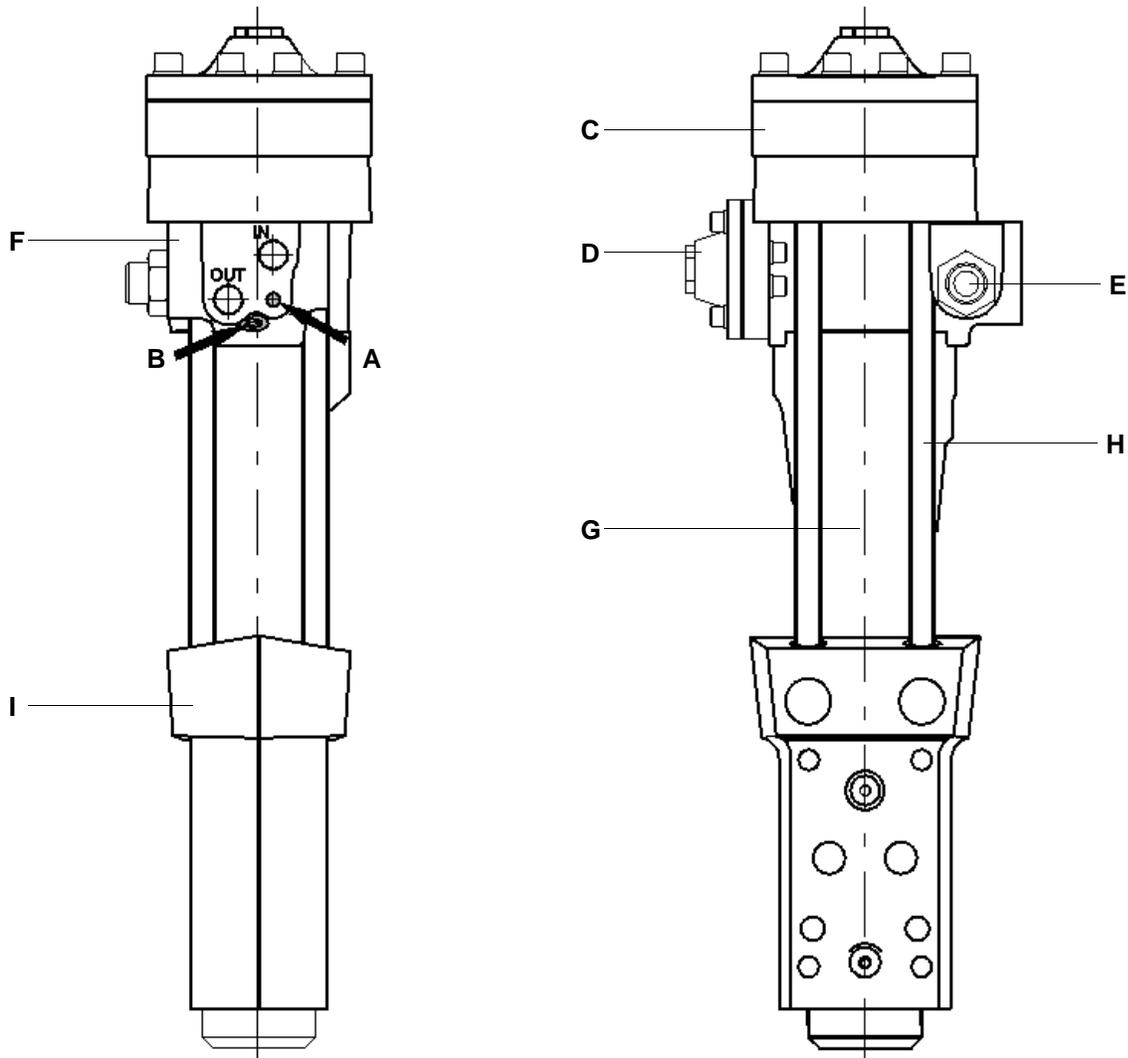
R050081



WARNING: This procedure does not release the pressure in the pressure accumulator. Carefully read the instructions concerning the accumulator before disassembling the accumulator. See "Pressure accumulator" on page 21.

LOCATION OF MAIN COMPONENTS

CB32 - CB45 - CB65 - CB85 - CB120 - CB150

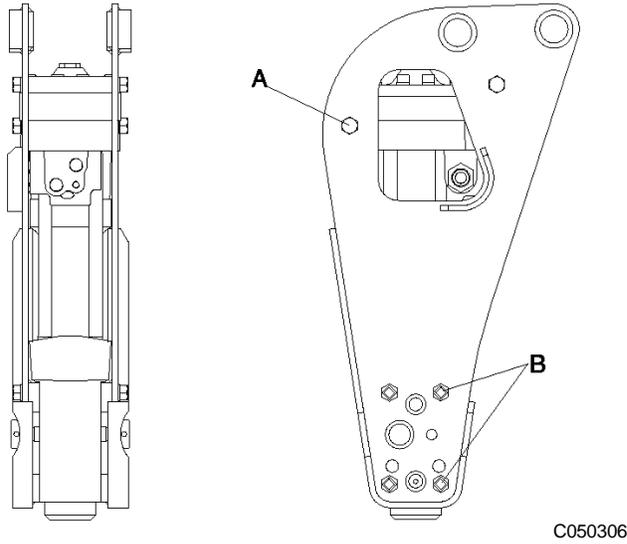


R050135

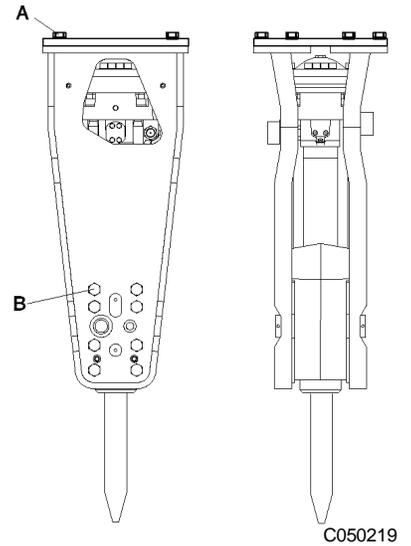
- A - PRESSURE TEST POINT PLUG (HP)
- B - PRESSURE TEST POINT PLUG (LP)
- C - LOW PRESSURE ACCUMULATOR
- D - HIGH PRESSURE ACCUMULATOR
- E - PRESSURE REGULATING VALVE
- F - VALVE BODY
- G - PISTON AND CYLINDER
- H - TENSION RODS
- I - TOP OF FRONT CHASSIS

Removing the chassis plates

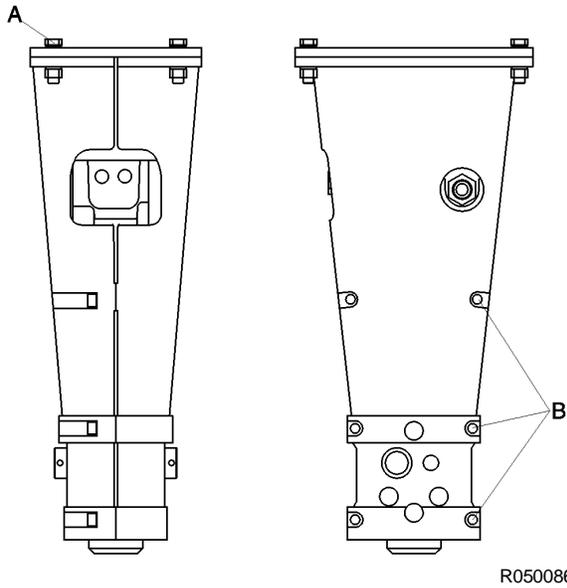
CB32 P - CB45 P - CB65 B et P - CB85P



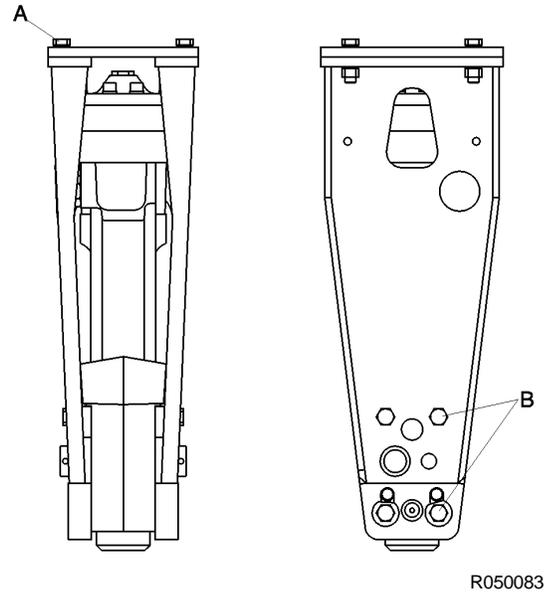
CB120 - CB150 Standard



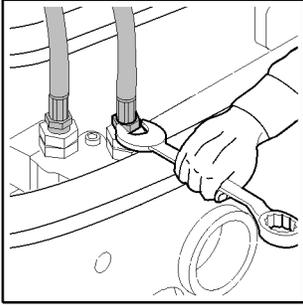
CB32 S - CB45 S - CB65S - CB85 S CB120 S - CB150S



CB32 - CB45 - CB65 CB85 Standard

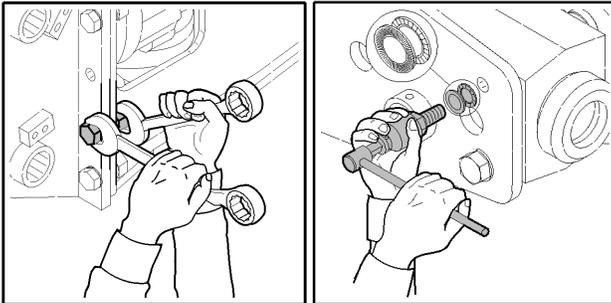


WARNING: *The hydraulic hammer must be protected against falling during handling. Check that the lifting equipment used has sufficient capacity to perform the operation. See "Lifting instructions". See "Hydraulic hammer specifications".*

STEP 1

R050311

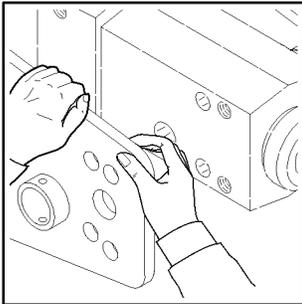
Remove the hydraulic hoses.

STEP 2

R050084

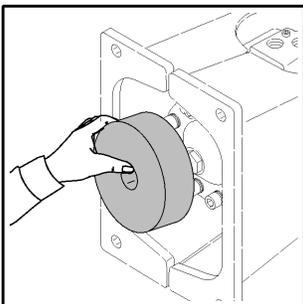
Open mounting bracket screws (types "S" and types "Standard").

Remove the retaining screws, lock-washers and spacers (types "P" and types "Standard").

STEP 3

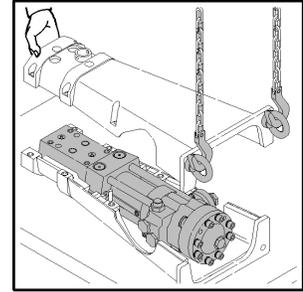
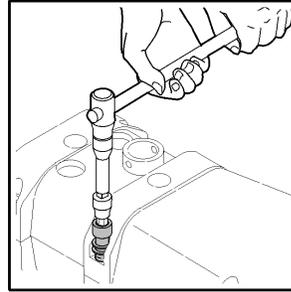
R050085

Remove the chassis plates (types "P" and types "Standard").

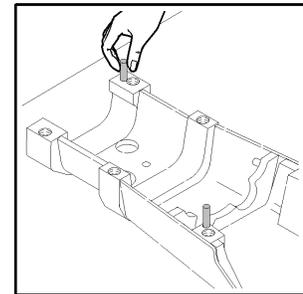
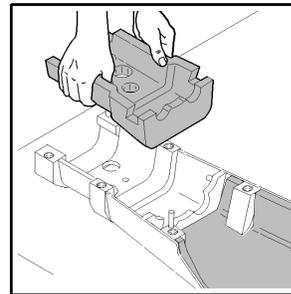
STEP 4

R050085

Remove buffer (types "S").

STEP 5

R050088

Remove screws and lock-washers (types "S").
Lift chassis plate off with lifting device (types "S").
Remove hammer mechanism (types "S").**STEP 6**

R050221

Remove dampers (types "S").
Remove parallel pins (types "S").**Installing the chassis plates****STEP 1**

Check for cracks and excessive wear on all the components.

STEP 2

Grease the threads and bearing surfaces of the retaining screws and lock-washers.

STEP 3

Install dampers, hammer mechanism, parallel pins and upper chassis plate (types "S").

Install the chassis plate (types "P" and types "Standard"), spacers, retaining screws and lock-washers.

STEP 4

Tighten the retaining screws A and B to the specified torque.

Install buffer (types "S").

STEP 5

Install the hydraulic hoses.

STEP 6

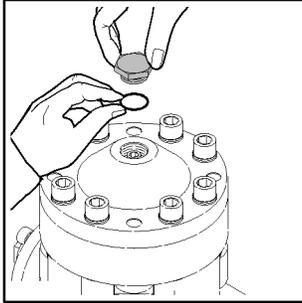
Install the hydraulic hammer on the machine.

Releasing pressure in the low pressure accumulator



WARNING: Never disassemble the hydraulic hammer until all pressure in the accumulator has been released.

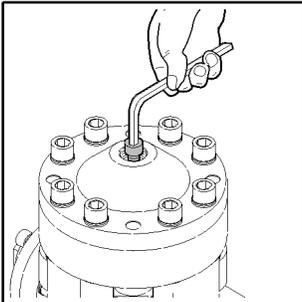
STEP 1



R050092

Remove the protective plug and the O-ring.

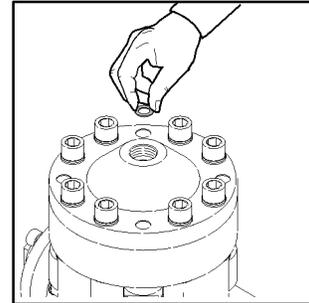
STEP 2



R050092

Carefully open the filler port plug and allow the nitrogen to escape.

STEP 3

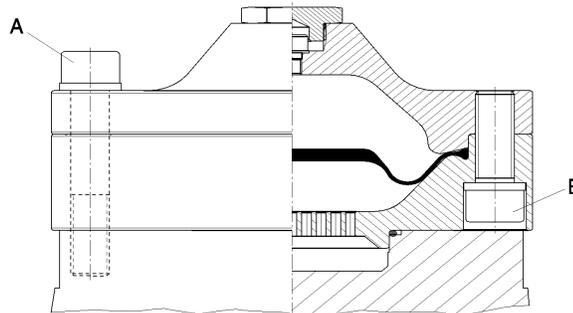


R050092

Once all the pressure is released, remove the filler port plug and the snap ring.

LOW PRESSURE ACCUMULATOR

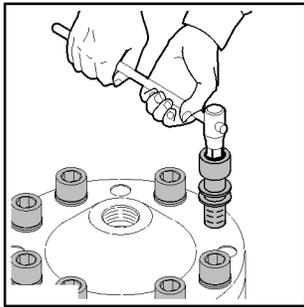
Removal



R050091

Component	Lubricant
Threads and bearing surfaces of retaining screws and lock-washers	Grease for threads
Accumulator cover (gas side)	Silicone grease
All seals and O-rings	Grease for O-rings
Contact surfaces of control valve and accumulator body	Anti-corrosion product (for example: CRC 3-36)

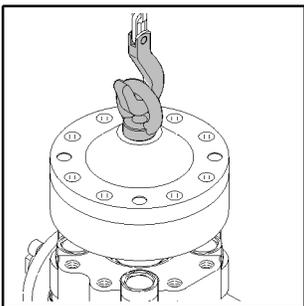
STEP 1



R050093

Remove the accumulator retaining screws and lock-washers.

STEP 2



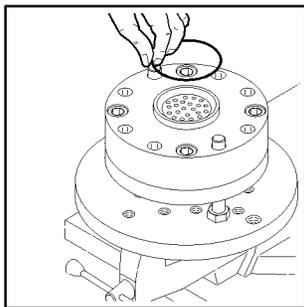
R050093

Using a lifting device, raise the accumulator to remove it from its housing.

Disassembly

WARNING: Make sure that all pressure in the accumulator is released.

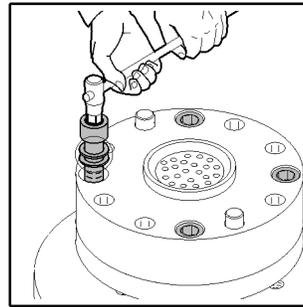
STEP 1



R050094

Install the accumulator on an assembly bench, top downwards.
Remove the seal.

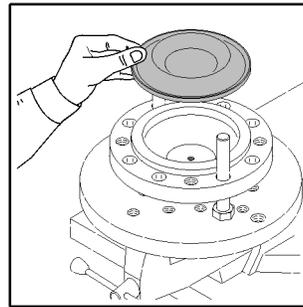
STEP 2



R050094

Remove the accumulator cover retaining screws.

STEP 3

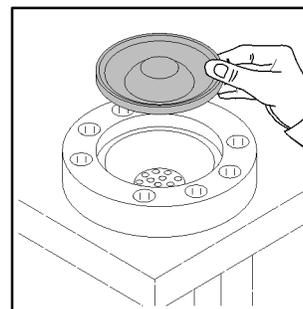


R050094

Remove the bottom of the accumulator and the diaphragm.

Assembly

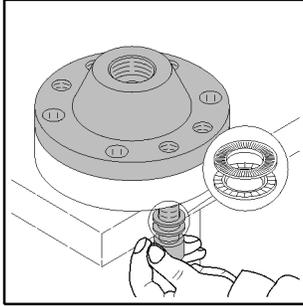
STEP 1



R050095

Clean and dry the parts very carefully. Install the lower part of the accumulator on a bench.
Install a new diaphragm.
Make sure that it is correctly seated in its groove.

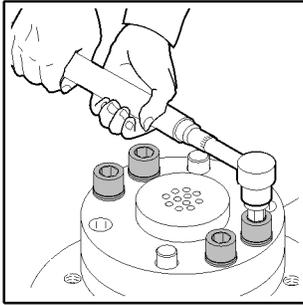
STEP 2



R050095

Apply a thin coat of silicone grease in the accumulator cover.
Lower the cover onto the lower part of the accumulator.
Grease the threads and the bearing surfaces of the accumulator cover retaining screws.

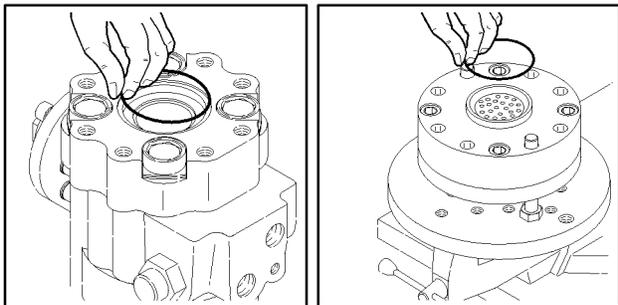
STEP 3



R050095

Install the accumulator upside-down on the workbench, with the top downwards.
Tighten the accumulator cover retaining screws to the specified torque setting.

STEP 4

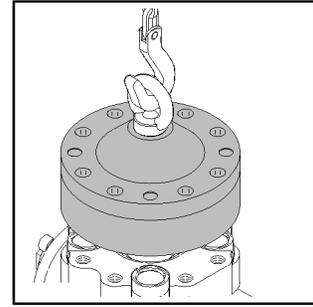


R050096

Install the O-ring.

Installation

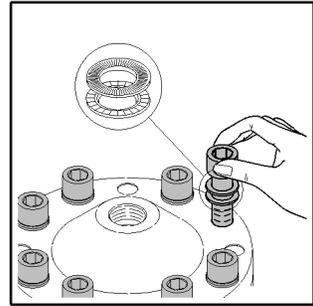
STEP 1



R050097

Lower the accumulator until it reaches the correct position, using lifting equipment.
Apply an anti-corrosion product to the control valve body and accumulator contact surfaces.

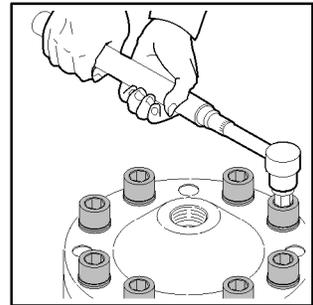
STEP 2



R050097

Grease the threads and the bearing surfaces of the accumulator retaining screws and lock-washers.

STEP 3



R050097

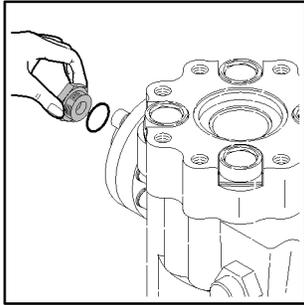
Insert the accumulator retaining screws.
Tighten the retaining screws to the specified torque.

Releasing pressure from the high pressure accumulator



WARNING: Never disassemble the hydraulic hammer until you have released all pressure from the accumulator.

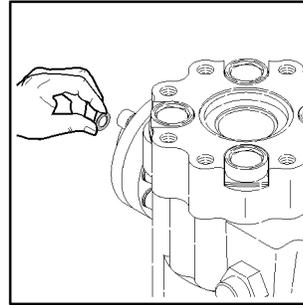
STEP 1



R050099

Remove the protective plug and the O-ring.

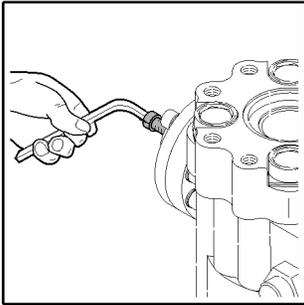
STEP 3



R050099

Once all pressure is released, remove the plug and the snap ring from the filler orifice.

STEP 2

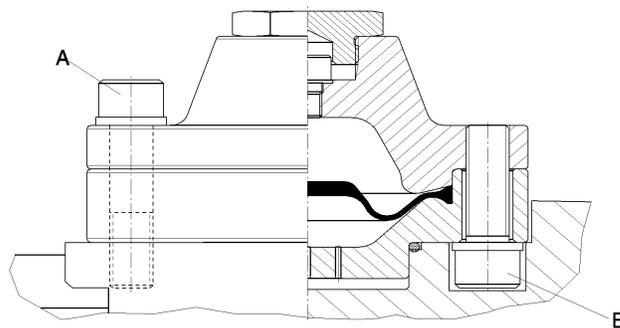


R050099

Carefully open the filler orifice plug and allow the nitrogen to escape.

HIGH PRESSURE ACCUMULATOR

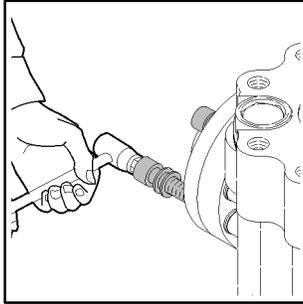
Removal



R050098

Component	Lubricant
Threads and retaining screw bearing surfaces, lock-washers	Grease for threads
Accumulator cover (gas end)	Silicone grease
All seals and O-rings	Grease for O-rings
Contact surfaces for control valve body and accumulator	Anticorrosion product (for example: CRC 3-36)

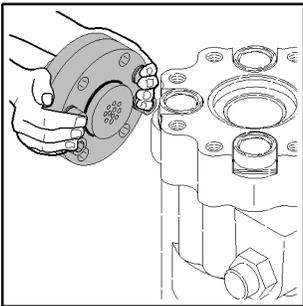
STEP 1



R050100

Remove the retaining screws and the lock-washers from the accumulator.

STEP 2



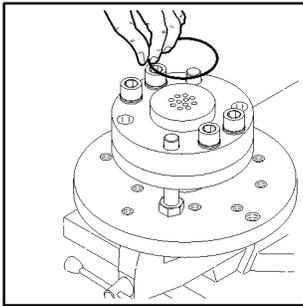
R050100

Remove the accumulator.

Disassembly

 **WARNING:** Make sure that all pressure in the accumulator is released.

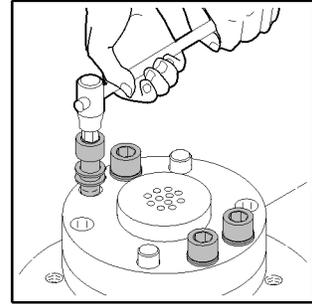
STEP 1



R050101

Install the accumulator on a work bench, with the top downwards.
Remove the O-ring.

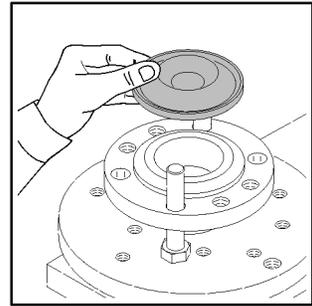
STEP 2



R050101

Remove the retaining screws from the accumulator cover.

STEP 3

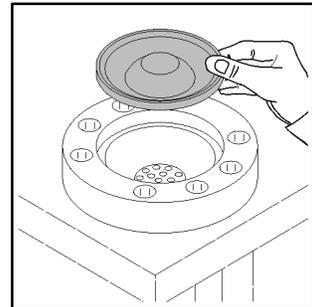


R050101

Remove the bottom of the accumulator, and the diaphragm.

Assembly

STEP 1



R050102

Clean and dry the parts very carefully. Install the lower part of the accumulator on a bench.
Install a new diaphragm.
Make sure it is correctly seated in its groove.