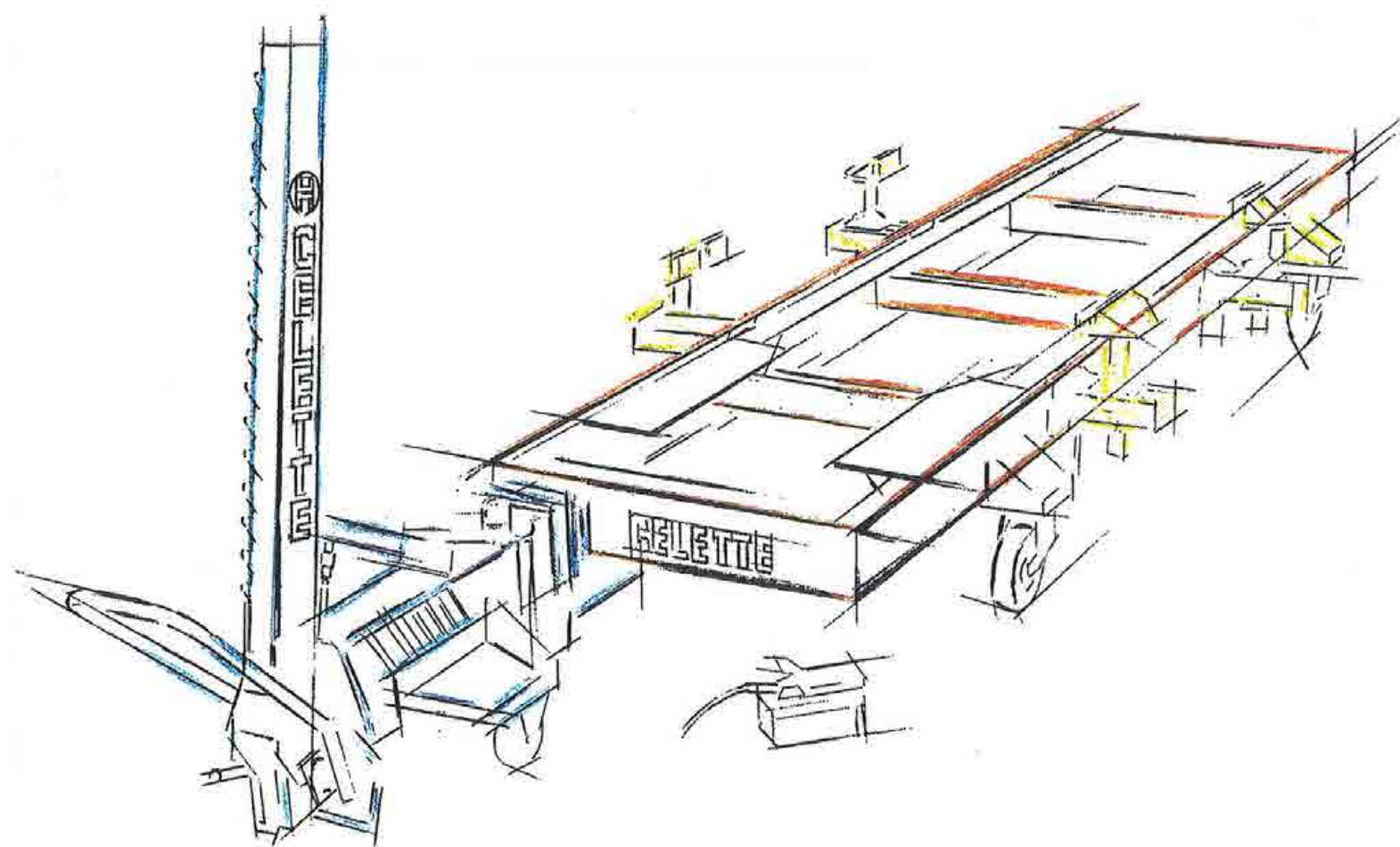




# CELETTE®

## SEVENNE



# Sevenne System

CE CERTIFIED PRODUCT

Thank you for choosing our product.

We are convinced that your SEVENNE system will give you the opportunity to carry out easy and accurate repairs.



## THE BENCH

Very robust, and designed to withstand a heavy workload. Precise machining of the reference surface.

## MAIN CHARACTERISTICS :

- Large width, to enable direct pulls in a straight line with the chassis legs.
- Long enough for the repair of light commercial vehicles and vans.
- Direct anchorage peripheral rail **1** and locking rail **2** for easy fixing of wheels **3**, sill clamps, multi-function support saddles etc ...
- Modular drilling **4** for fitting CELETTE integral beams Ref. 955.900.
- Large diameter wheels **3** for increased mobility.
- Chain anchorage slots **5**.



Note : the reference surface of the bench is oiled to help prevent oxidation. Renew this protection, if necessary, especially in case of a damp environment.

## SUPPORTS FOR WHEELS AND LEGS

They can be placed in any selected position around the bench. Nevertheless, to reduce the risk of bench tilting, ensure that the wheels are far enough apart.

### TO FIX THE WHEELS

Fix the wheel support **3** to the locking rail **2**.  
Locate the locking bracket **7** the bench.

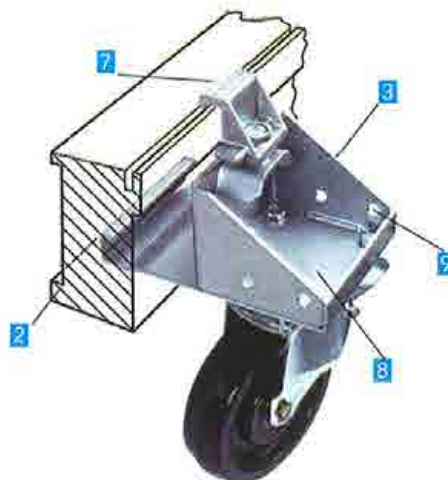
### TO MOVE THE WHEELS

Pull the locking bracket **7** upwards.  
Slide the complete assembly along the bench. Release the locking bracket.

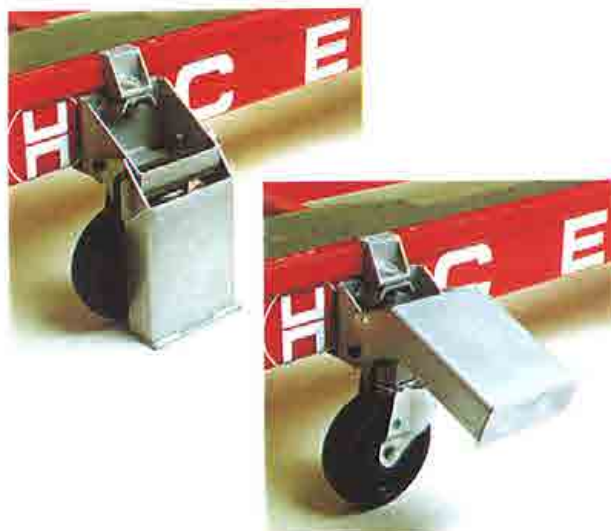
The wheel supports can also be used to store bolts **8**.  
The 4 holes **9** enable the fixing of the retractable legs (Ref. 8001.043) which must support the bench when using a pulling unit anchored to the ground, the bench being also anchored to the ground by means of the CAT. 508 anchorage kit.

### YOU MUST :

- Fix the two braked wheels at diagonally opposite corners of the bench (e.g. at front right with the other at rear left).
- Lower the bench legs (Ref. 8001.043) into their correct down position, when using a pulling unit anchored to the ground.



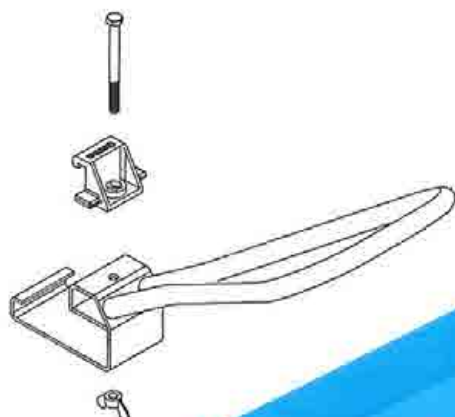
8001.043



## HANDLEBAR

(Ref. 9121.533)

To enable the bench, when loaded with a vehicle, to be moved easily around the workshop, CELETTE offers a handlebar, which can be placed in any selected position around the bench.



CAT 508

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## THE BENCH LIFTING UNIT

For the SEVENNE system, Celette has designed a bench lifting unit, for better working conditions, which also improves the bodyshop technician's efficiency. By means of the optional kit (9132.02.00 page 6) the lifting unit can be quickly converted into a lifting table for various jobs on the vehicle (coachwork, panelbeating, painting, etc...)

### With control console

#### REFERENCES

According to the type of electrical power supply and its voltage :

|          |              |                  |
|----------|--------------|------------------|
| 230V/400 | 3-phase      | Ref. XVN 93.01.1 |
| 230V     | Single-phase | Ref. XVN 93.01.2 |
| 110V     | USA          | Ref XVN 93.01.3  |

#### INSTALLATION

- In accordance with prevailing legislation, fix the lifting unit **10** to the ground by means of 4 screws and plugs (delivered)
- Connect the lifting unit to the control console

- Connect the hydraulic coupler **11**
  - Connect the two "air" couplings **12** and **13** according to the coloured mark (the black hose will be connected with the black coupling).
- Air supply : 8 bars maxi, cleaned and lubricated.
- Connect the control console to a suitable electrical supply (50 Hz / Three-phase 230V - 8A / 400 V - 5A)

Check for correct motor rotation direction

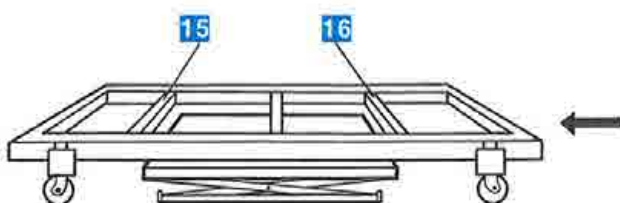
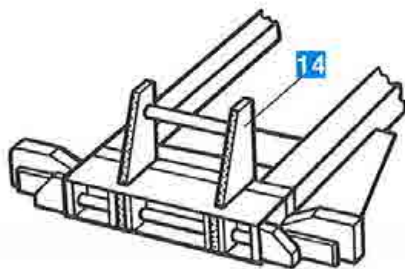
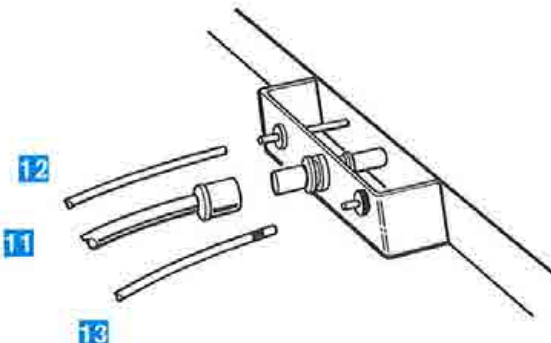
- Push button **19** during 10 seconds maxi :

- If the bench rises, the connection is correct.
- If the bench does not rise, invert 2 phases and check again that the bench rises

Mount the adaptors **14** designed for bench self centring (the slanted parts towards the outside of the lifting unit)

#### UTILIZATION

- Position the bench in place over the lifting unit as centrally as possible
- Place crossmembers **15-16** of the bench above parts **14** of the lifting unit. Direction of the bench is indifferent.
- Turn on the control console by means of the switch **17**. The warning light **18** should go on
- Push button **19**. The unit should lift. Check for correct selfcentring of parts **14** between crossmembers **15** and **16**.
- Check that the lateral pins which lock the bench to the lifting unit has operated automatically. Raise the bench until the desired working height is reached. Carefully check for load stability Release button **19**.
- Push button **20** for a second or two to place the lifting unit in such a way that it can rest on its mechanical safety system.



TO LOWER THE BENCH BACK ONTO ITS WHEELS

- Push **19** for 1 second to raise away from the safety system, then release **19**.
- Push **21** and maintain it depressed. Press on **20** until the bench reaches the ground

TO SEPARATE THE BENCH FROM THE LIFTING UNIT

- The bench wheels standing slightly above the ground, Press on **22** to unlock the lifting unit from the bench
- While pressing on **22**, push **20** to fold the lifting unit completely.

## ANCHORAGE OF THE PULLING UNIT

When using the lifting unit to raise the bench.

Important : remember to place the special flange in position (see page 16, part. **51**)

## With oleo-pneumatic pump

REFERENCE NUMBER :

XLVN.2501

## INSTALLATION

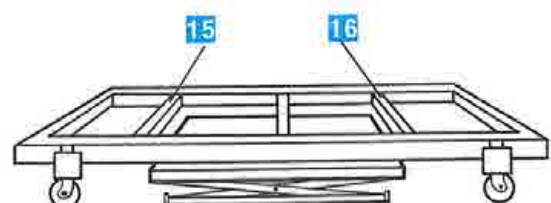
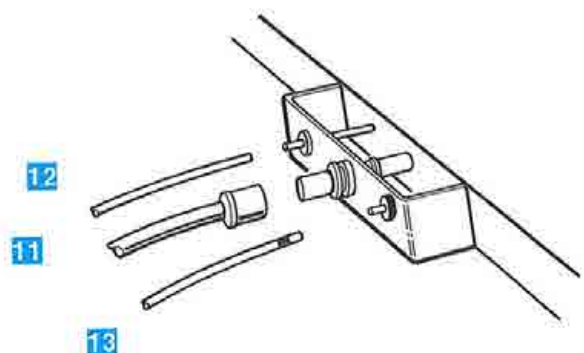
- As requested by law, fix the lifting unit to the ground through holes **10** by means of 4 screws and pins (delivered)
- Effect the connections of the lifting unit and pump :

- Connect the hydraulic coupler **11**
- Connect the two "air" hoses **12** and **13** according to the coloured marks (the black hose will be connected with the black coupling). Air supply : 8 bars maxi
- Replace the transport cap of the pump tank by the venting cap
- Connect the pump to the compressed air supply unit (filtered / oiled)
- Mount adaptors **14** (Refer to page 4) designed for bench centring (slanted parts to the outside of the lifting unit)

## UTILIZATION

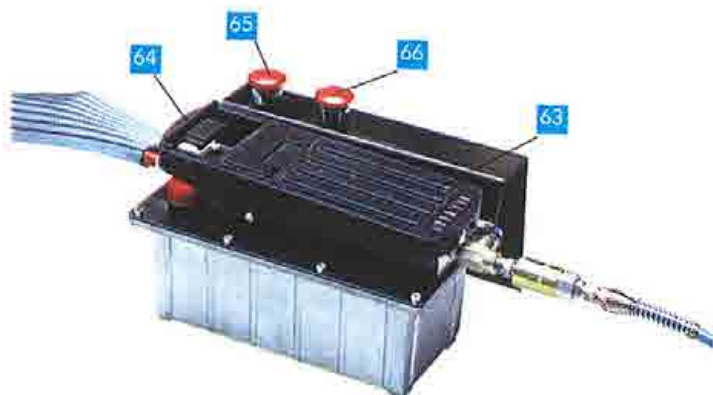
- Place the bench above the lifting unit
- Position crossmembers **15** and **16** of the bench above parts **14** of the lifting unit.

Direction of the bench is indifferent.



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- Press on the rear end **63** of the pump pedal. The lifting unit rises. Check the correct self-centring of parts **14** between crossmembers **15** / **16**. Check that the lateral pins lock the bench to the lifting unit have operated automatically. Raise the bench until desired work height is reached. Release the pedal.

- Press on the front end **64** of the pedal to place the lifting unit on mechanical safety position.

## TO REPLACE THE BENCH ON ITS WHEELS

- Press on the rear end **63** of the pedal to raise the bench (some cm). The mechanical safety is disconnected.

- Press simultaneously on the front end **64** of the pedal and on the button **65** until the bench wheels reach the ground.

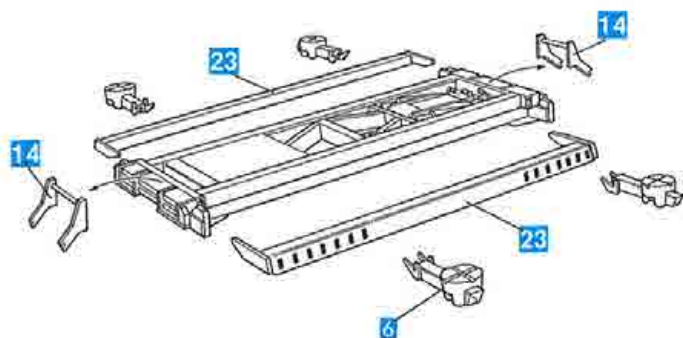
## TO SEPARATE THE BENCH FROM THE LIFTING UNIT

- The bench wheels standing slightly above the ground, press on **66** to disconnect the lifting unit.

- While maintaining pression on **66**, press on the front end **64** of the pedal to fold the lifting unit completely.

## Kit lifting table

The kit (9132.02.00) enables you to quickly convert your bench lifting unit into a vehicle lifting table.



## THE PROCEDURE IS AS FOLLOWS :

- Remove the bench centring parts **14**.
- Fit sidemembers **23** and lock them with pins.
- Place the vehicle above the lifting table
- Place each arm **24** according to the lifting points of the vehicle.
- Place the underframe holders **6** on the arms **24** (2 different heights when effecting 1/4 rotation).

**NOTE :** Two of the four arms are lower (different colours) to compensate for the differences in height of some vehicles. Always place them one on the opposite side of the lift to the other, never diagonally.

- Lifting and lowering operations : refer to the instructions concerning the bench lifting unit. Button **22** will not be used.

**MAXIMUM LOAD : 3000 KG**

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- Montée et desce.  
sur l'élévateur de marbre. L

**CHARGE MAXI : 3000 KG**



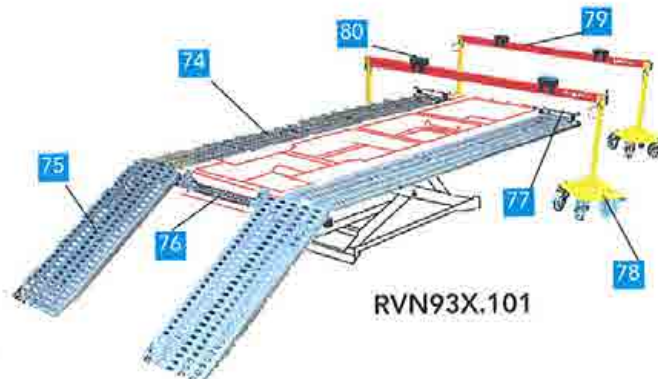


## INSTALLATION OF THE VEHICLE

### RVN93X.101

For Sevenne bench with lifting unit. To effect any kind of repair on running or non-running vehicles.

- |                                                  |                                       |
|--------------------------------------------------|---------------------------------------|
| <b>74</b> 2 x 5 elements of runway decking plate | <b>76</b> 1 support for approach ramp |
| <b>75</b> 2 approach ramps                       | <b>77</b> 2 wheel blocking parts      |
| <b>77</b> 2 wheel blocking parts                 | <b>78</b> 4 mobile axle stands        |
| <b>79</b> 2 bearing bars                         | <b>80</b> car-body supporting parts   |



RVN93X.101

## INSTALLATION

- Rapid and without any tool. Lift the bench and remove the front wheels. Push the rear wheels maximum backwards. Place the elements of the runway decking plate **74** on the bench, while checking that the supports of the end elements are duly hold by the bench sides. The approach ramp supports **76**. The approach ramps **75**. The wheel blocking parts **77**.
- **Unlock the lifting unit of the bench** (refer to page 5 or 6 according to the type of the lifting unit). Lower the lifting unit until the front end of the bench reaches the ground.

## UTILIZATION

### A- with a running vehicle

- Roll the vehicle up until the wheel blocking parts **77** of the bench runway decking plates **74** (Photo I). Lift the unit until a comfortable work height.
- The elements of the runway decking plates **74** which do not support the wheels of the vehicle can be removed to install the sill panels anchoring clamps (II) and the pulling devices (III).

### Installation of a bracket set or

#### of the measuring device METRO 2000

- Lift the bench. Insert the holding bars **79** between the bench and the sill panels of the vehicle. Install the car body holding elements **80** (2 different heights when effecting 1/4 rotation) under the lifting points of the vehicle. Bring the axle stands **78** under the holding bars **79** (IV). Lower the lifting unit for the holding bar to come into the axle stands **78**. Lock with pins (V).
- Lower the bench again to place the vehicle onto the holding bars. Remove some elements of the runway decking plates **74** to facilitate the access to the vehicle.

### With a bracket set :

- Install the modular crossmembers and the bracket set (VI). Lift the bench again while locating the vehicle on the bracket set accurately by means of the mobile axle stands. Lift the bench (some cm) and remove the holding bars and the axle stands. Install the sill panel anchoring clamps.

### With the measuring device Metro 2000 :

- Install the sill panel anchoring clamps previously adjusted according to the values given in the data sheet. Lift again, while locating the sill flanges into the anchoring clamps accurately. Remove holding bars **79** and axle stands **78**. Slide Metro 2000 under the vehicle (VII).



I



II



III



IV



V



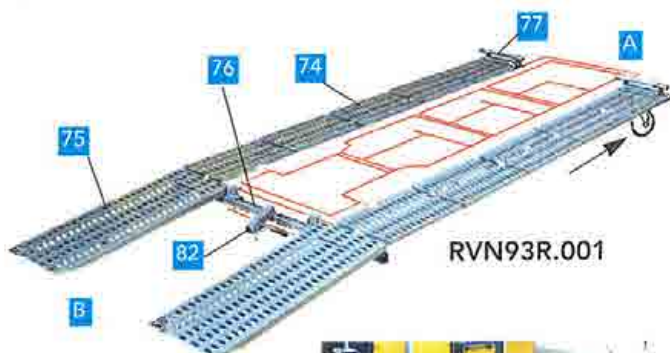
VI



VII

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## B. With non running vehicle

- Remove the 2 self-centring parts 14 from the lifting unit (Fig. p 4).
- Place the vehicle above the lifting unit (I) place the holding bars 79 on the lifting unit. Install the car body holders 80 under the lifting points of the vehicle (II). Lift the whole unit and place it on the mobile axle stands 78 (III). Lock with pins.
- Place the lifting unit in low position. Bring the bench (IV) equipped if necessary with the bracket set or with the sill clamps previously adjusted for Metro 2000.
- Activate the lifting unit (check the correct self-centring and its locking to the bench) until it comes near the Metro 2000 checking or anchoring points. Correct the location of the vehicle by means of the mobile axle stands.
- Lift the unit (some cm) remove the axle stands and the holding bars.

## RVN93R.001

For Sevenne bench **WITHOUT** lifting unit  
Enable to effect any job on running vehicles, without utilization of checking system, bracket set or Metro 2000.

- 74 2 x 5 elements of runway decking plate
- 75 2 approach ramps 76 1 support for approach ramp
- 77 2 wheel blocking parts
- 82 1 jack support

## INSTALLATION (Will be effected quickly and without any tool)

- Push the wheels backwards on the A side of the bench
- Install the support for approach ramps on side B
- Fix the jack support 82 to lift side B of the bench (with a rolling jack) and remove the wheels.
- Lower the bench on the ground. Install the runway decking plates 74, the access ramps 75 and the wheel blocking parts 77

## UTILIZATION

- Roll the vehicle up on the bench runway decking plates until the wheel blocking parts 77 (I). Lift the bench and replace the wheels (II). The elements of the runway decking plates which do not hold the vehicle can be removed to install the sill panel anchoring clamps, pulling units (III).

## RVN93X.100

Complementary set to RVN93R.001 to obtain a RVN93X.101 (for Sevenne bench with lifting unit).

## ECO 2000

(Lifting trolley to install vehicles on the bench and effects jobs around the vehicles)

- Easy to manoeuvre
- Operator controlled lowering speed
- Air supply : 6 to 8 bars
- Double safety system
- Approved by CE - TÜV and other standards bodies
- Lifting capacity : 2000 kg
- Lifting height : 1 m

l'opérateur  
sécurité

- Matériel certifié CE
- Capacité : 2000 Kg, Hauteur de ...



## ANCHORAGE

### of vehicles with sill flanges

#### TO FIT THE SILL CLAMPS ONTO THE BENCH

- Place each clamp onto the peripheral frame **1**.
- Fix bracket **25** to the locking rail **2**.
- Lock the whole unit with wedge **26** using a suitable hammer

#### ADJUSTMENT IN THREE DIRECTIONS

**A** Adjustment in length between two sill clamps on the same side of the bench

- Slide the whole unit after removing wedge **26** and bracket **25**. Lock again.

Separation mini : 10 mm / maxi : 4300 mm

**B** Adjustment in height of the jaws in relation to the surface of the bench

- Adjust by means of nuts **27**. (note indication in millimetres on ruler **28**)

Height mini: 665 mm / maxi : 830 mm

**C** Adjustment in width between two sill clamps located on opposite sides of the bench. The jaws can be placed in various ways, which helps to solve problems on vehicles equipped with sill flanges having a particular separation, or with angled sill flanges.

**C<sup>1</sup>** Standard adjustment : jaw **29** fixed on its plate **30** by 3 bolts (24mm spanner)

Minimal width in relation to the bench central axis : 600 mm

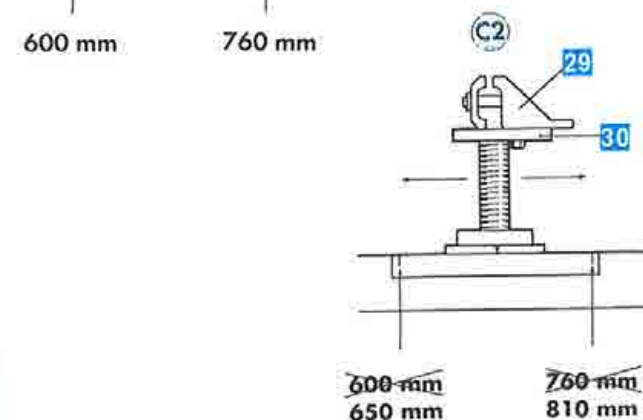
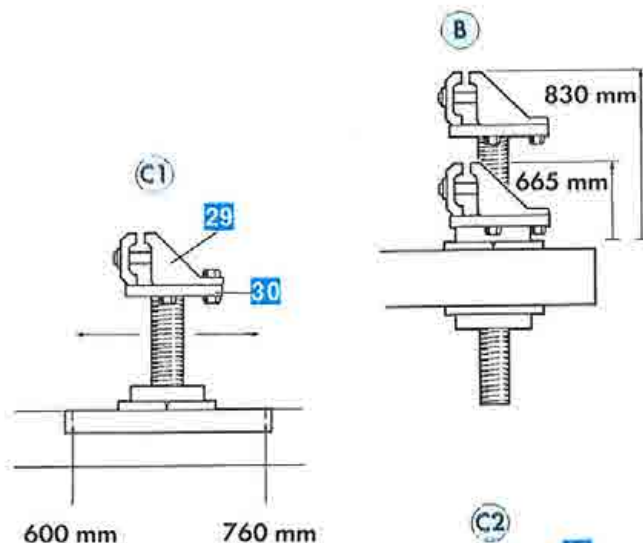
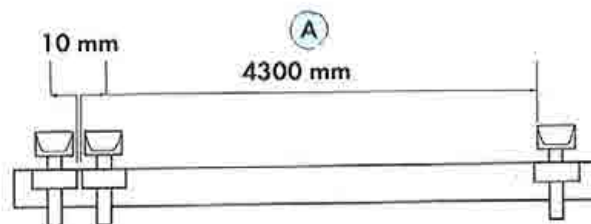
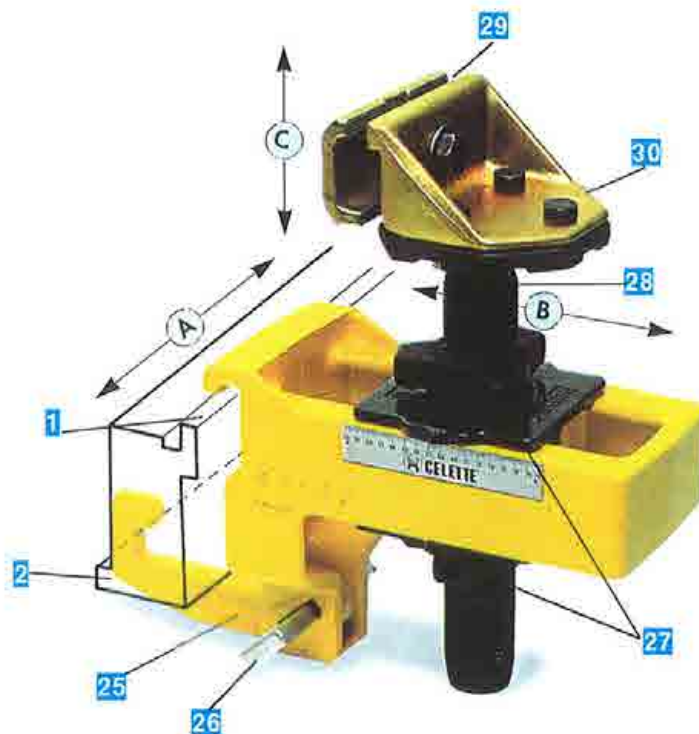
Maximal width in relation to the bench central axis : 760 mm

**C<sup>2</sup>** Extra width adjustment without accessories

- Remove jaws **29** fixed by 3 bolts
- Replace jaws **29** using only 2 bolts, while moving them by 50mm to the outside of the bench.

Width mini: 650mm / maxi : 810mm

To use the METRO 2000 measurement system, the pre-adjustment in width will have to be reduced by 50mm (example : 800mm shown on the data sheet, the sill clamp should be located at 750mm).

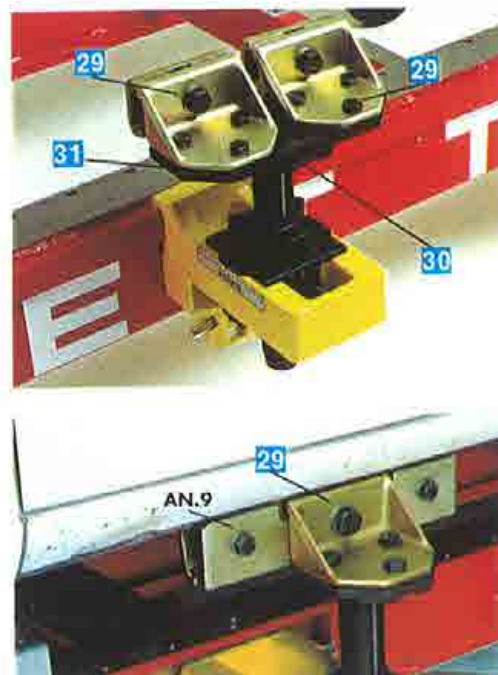


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## LONG ANCHORING

When using measuring devices it is sometimes advisable, for vehicles with fragile sills, to increase the length of anchorage, especially in case of side pulls. CELETTE offers two solutions :

- Utilization of offset plates **31** + set of 2 complementary jaws **29** (AN.30)
  - Remove jaws **29** (24mm spanner)
  - Centre plate **31** on plate **30**
  - Replace two jaws **29** side by side
  - Tighten up the complete assembly
- Utilization of double jaws (AN.9)
  - Remove the removable part of jaws **29**
  - Bolt the double jaw AN.9 (30mm spanner) onto the fixed part of jaws **29**



## INCLINED ANCHORING (REF.9076.543)

Some vehicles have angled sill seams (Peugeot 605 for example). For these cars, CELETTE can offer a set of 4 tilting jaws (from 0 to 90°) to be used instead of the standard jaws **29**



9076.543

## ORIENTABLE ANCHORING

The standard jaws of CELETTE sill clamps are orientable up to 360° horizontally, without any modification, and enable the anchorage of vehicles with vertical non-parallel seams.

## SPECIAL ANCHORING

Other vehicles may have very special, or even no welded seams. For these specific cases, CELETTE also offers solutions :



AN.1 : CITROEN CX Front.

AN.2 : CITROEN CX Rear.

AN.4 : OPEL Manta B

AN.6 : BMC Austin Mini

AN.7 : MITSUBISHI Colt

(lèvres de bus de caisse inexistantes à l'avant)

AN.8 : PORSCHE 911

AN.9 : TALBOT Sunbeam - Avenger, CITROEN C25,  
BMW Serie 5 E 12, et MERCEDES type 116

AN.11 : PORSCHE 928

AN.12 : MERCEDES W 123

AN.13 : MERCEDES W 123

List on 01/01/98

AN.14 : SAAB 900

AN.16 : FORD Transit

AN.22 : PEUGEOT 605

AN.23 : PORCHE 944

AN.24 : MERCEDES W126 - W201 - W124

AN.26 : GM U Van

AN.27B : BMW Serie 3 : E36/M3. E 38

AN.28 : HONDA CB, Civic EG - EH, Prelude BB.

AN.29 : NISSAN serena

AN.31 : VW Transporter, Caravello "T4" sur

marque MUE, M.B.S, M.T.O, LAKUDA

AN.31A : Enables to use AN.31  
on the Celette bench.



AN.27B

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## MECHANICAL JACKING

The design of CELETTE adjustable sill clamps enables them to be used as mechanical jacks in case of twisted car-bodies. The handlebar is to be used.

## ANCHORING BY CHAINS

With multi-function support saddle (Ref. 9121.523)  
Same fixing all around the bench as for the sill clamps.  
(refer to page 9). Provides complementary anchorage during heavy longitudinal pulls.

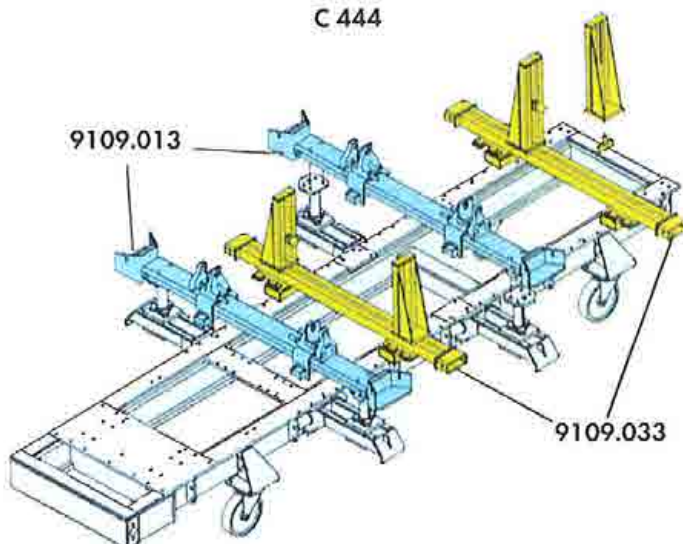
Installation :

- Fix a self-locking "Oyster" clamp (Ref. ATD.142) to the sill flanges
- Fix the multi-function support saddle to the bench, as well as its cross-head and its wedge, without locking them.
- Hook the chain into one of the slots **32** in the support saddle 9121.523
- Tighten the chain by sliding the support saddle away from the clamp
- Lock the support saddle in position.

There are many other uses of the multi-function support saddle (Refer to pages 15 and 20).



C 444



## STORAGE TROLLEY

Enables the sill clamps and accessories to be stored within easy reach. Keeps the workbay floor clear for improved safety.

## ANCHORAGE

### of vehicles with chassis

The C 444 kit enables anchorage on the SEVENNE System of vehicles with chassis (4X4, off-road, light commercial vehicles, etc...)

**9109.013** : chassis anchoring system with 4 multi-directional jaws, 2 mechanical jacks + 2 movable supports.

Fixing onto the sill clamp heads after removing the jaws **29**.

**9109.033** : Chassis holding system movable posts and ram supports.

**9109.023** : Complete system 9109.013 + 9109.033.

**9109.022**

## BRACKET SETS

Two types of CELETTE bracket sets can be used with the Sevenne system. Both types are fitted using CELETTE Integral Beams.

### INTEGRAL BEAMS (REF.955.900)

Made of high quality steel. Their tubular structure gives incomparable resistance to "distortion / bending". Careful studies have resulted in their specific shapes, corresponding to vital zones of vehicles. The number of crossmembers used is reduced to the minimum, which keeps the bench surface as clear as possible, and gives easier access to the vehicle underbody.



955.900

### INTEGRAL BEAM TROLLEY (REF. 955.9078)

Enables the storage of, and the quick access to Integral Beams.



955.9078

### COMPLEMENTARY CROSSMEMBER (REF. 955.908)

A complementary crossmember may be required when repairing certain vehicles which may need more control points

### INTEGRAL BRACKET SETS

They fit directly onto Integral Beams. Please consult our lists

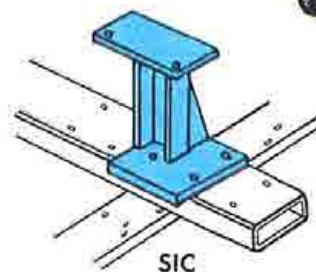
### MZ BRACKET SETS

The best checking and repair system available. Can be used for more than 300 types of vehicle. Used for checking and repairing, with vehicle mechanical units in place or removed. Comprising two elements :

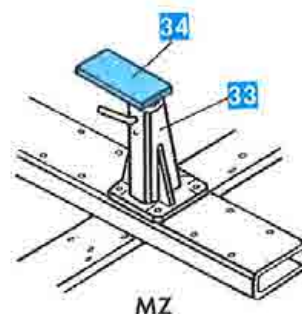
- Universal MZ towers **33**
- Model-specific MZ tops **34**

Use MZ bracket sets, to save time :

- Reduced handling : MZ tops slide in their towers. The tops can be easily separated from the car body by simply removing the pin, no tools needed.
- Numerous MZ tops can be used without removing mechanical units from the vehicle.
- Reduction in weight, in volume and in prices.
- No risk of error : "it fits or it doesn't fit"



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MZ



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## MZ TOWERS (REF. MZ450.000)

Set of 22 high strength universal MZ towers. They are fitted onto Celette Integral Beams.



## MZ TOPS

Each set is specific to one type of vehicle  
Each top fits onto a tower of a specific height  
(refer to the drawing supplied with each set.)

## TROLLEY FOR MZ TOWERS (REF. MZ450.905)

To keep the towers within easy reach  
(supplied without towers)

## TROLLEY FOR MZ TOPS (REF. MZ450.905)

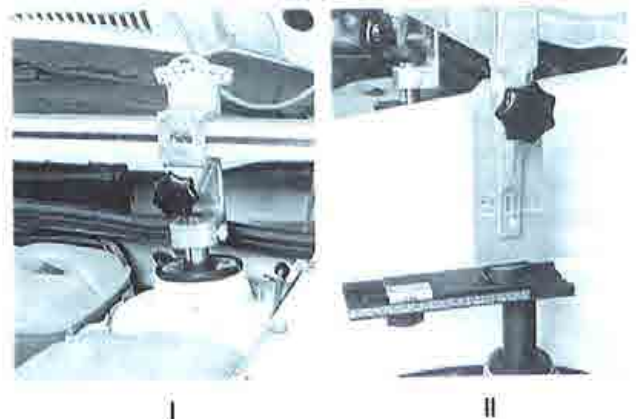
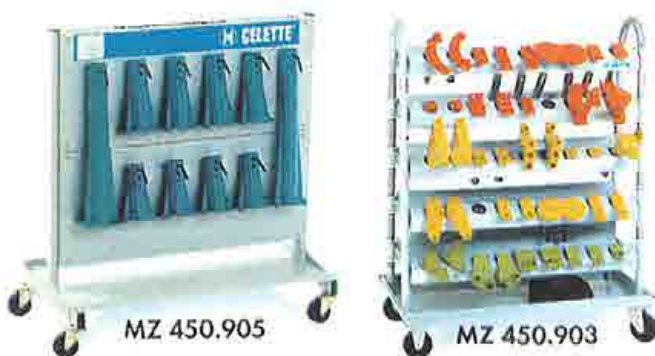
To store 90 MZ tops

## MAC PHERSON MZ (REF. MZ.2452)

Patented system for checking the upper fixings of the front suspension struts, type MacPherson. Without removing the vehicle mechanical units

To be used with 2 MZ towers

Checking of angles crosswise (I) and longitudinally (II)



## MEASUREMENT

### METRO 2000 MEASUREMENT SYSTEM (REF. ME.2010)

The Metro 2000 measurement system is designed for diagnosis, checking and repair of vehicles of all makes. Used for checking and repairing "with vehicle mechanical units in place or removed".

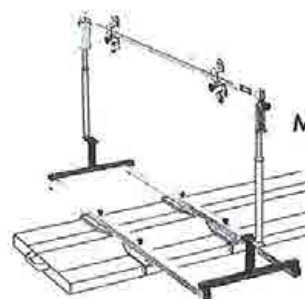
Utilization on Sevenne bench equipped with 4 sill clamps. Supplied with data sheets. Regular up-dating by subscription.



ME.2010

### METRO MAC PHERSON (REF. ME.2112)

For checking the upper fixings of the front suspension struts, type MacPherson, without removing the vehicle mechanical units.



ME.2112

### METRO TROLLEY (REF. ME.2012)

For the storage and to assist the loading of the Metro 2000 onto the bench.



### PANEL HOLDING KIT (REF.9105.053)

Set of rigid arms to facilitate the anchoring, and the holding of car-body elements, to provide ram support, etc...

Multiple combinations are possible. Especially useful with measurement systems since these do not always provide complete support of car body elements, like the bracket sets do. The arm bolts onto the multi-function support saddle (Ref. 9121.523) through holes <sup>35</sup>.



9105.053



9121.523

### MULTI-FUNCTION SUPPORT SADDLE (REF. 9121.523)

Same fixing around the bench as for the sill clamps (refer to page 9)



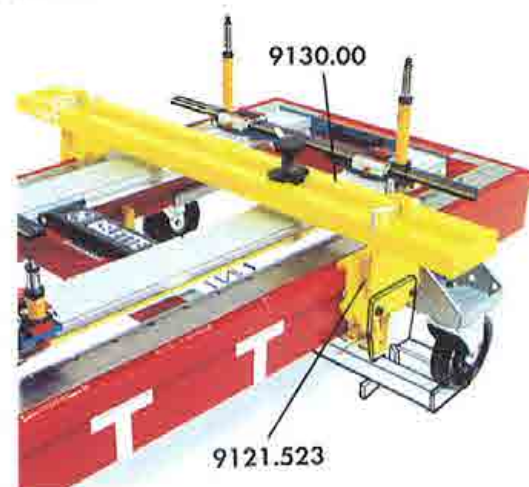
9105.053

### CAR-BODY SUPPORT CROSSMEMBER (REF. 9130.00)

To support the car-body, hydraulic rams, chain pulley block, etc...

To be placed above or under the bench.

Fits with bolts to two multi-function support saddles, through holes <sup>35</sup>.



9130.00

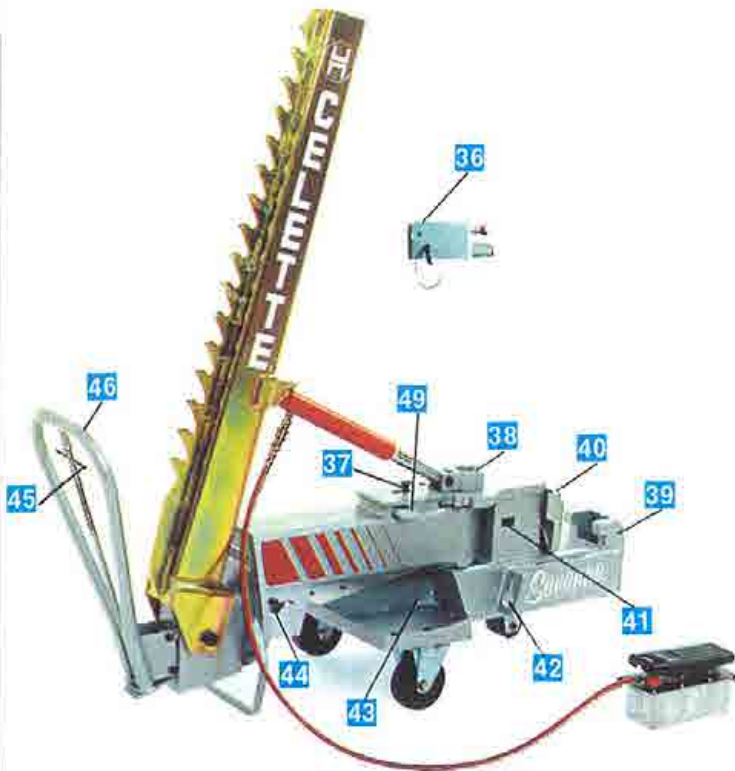
9121.523

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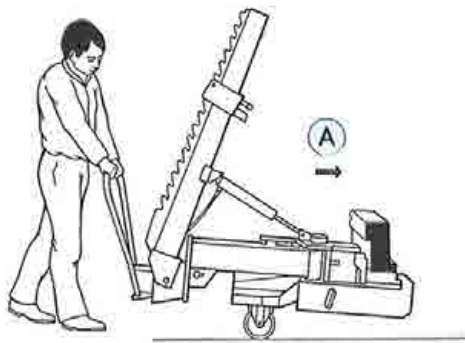


## PULLING UNIT

Pulling unit with ultra rapid anchoring all around the bench

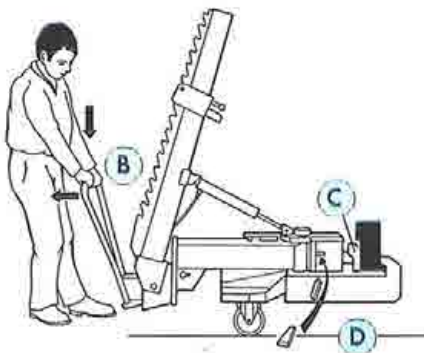


- 36** Ram support for pushing
- 37** Drawer to lock the horizontal beam orientation with wedge **49**
- 38** Ram support cup for vector pullings
- 39** Bench anchorage claw
- 40** Moving jaw
- 41** Wedge locating holes
- 42** Chain anchorage for downward pulls
- 43** Tool tray
- 44** Chain anchorage for vector pulling
- 45** Unlocking lever of the pulling arm tilting system
- 46** Handlebar



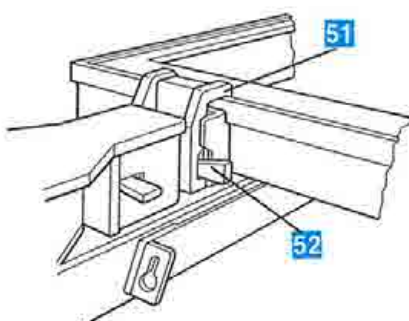
### ANCHORING THE PULLING UNIT TO THE BENCH WITHOUT A LIFTING UNIT

- A** Position the pulling unit against the bench, the head going under the bench
- B** Press down on handlebar **46** and pull the unit backwards slightly to hook part **39** to the bench locking rail
- C** Push jaw **40** against the bench
- D** Introduce the wedge into slotted hole **41**.  
Lock using a hammer.  
**Note :** the wedge can be introduced either from the right, or from the left side of the pulling unit.



### ANCHORING THE PULLING UNIT TO THE BENCH EQUIPPED WITH A LIFTING UNIT

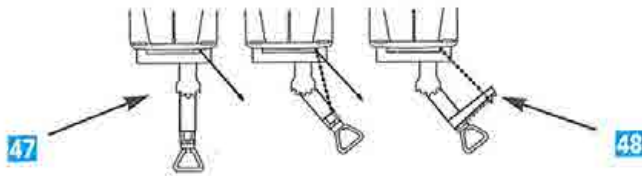
- Follow the instructions above, points **A**, **B**, **C**, **D**
- Fit special flange **51** and lock it with a wedge **52**



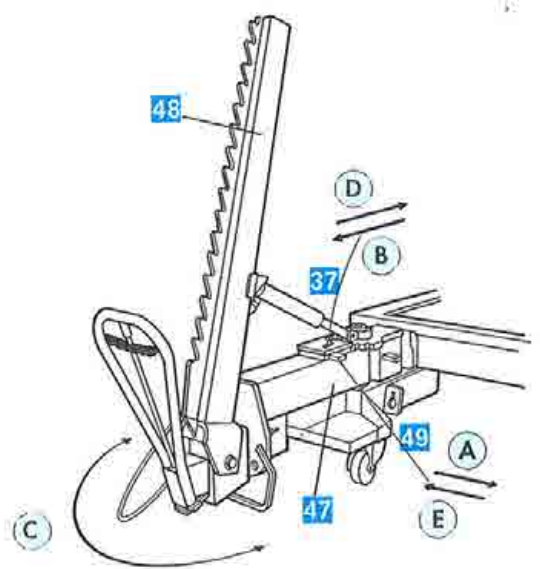
- Mettre en place un coin **52**

## ORIENTATION OF THE HORIZONTAL BEAM

Caution : the pulling angle must first be obtained by the orientation of the horizontal beam **47**. Then, in case it is not sufficient by the inclination of the vertical arm **48**.

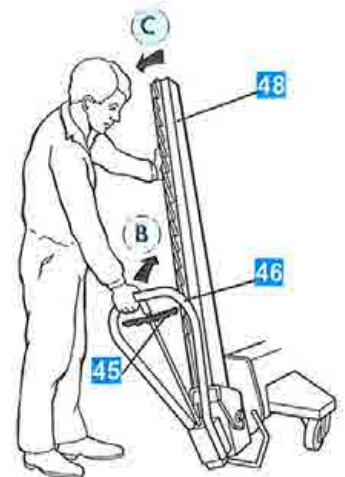


- A** Remove the locking wedge **49** if it is in position
- B** Shift drawer **37** backwards to separate the cogs from the toothed plate.
- C** Orientate the pulling unit to the required angular position.
- D** Push drawer **37** forwards ensuring that teeth locate.
- E** Lock with wedge **49**. Ensure the wedge is well locked.



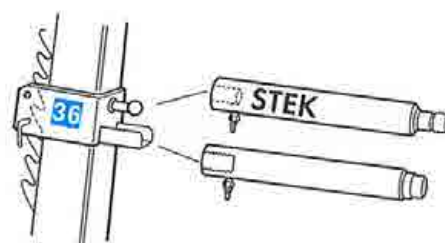
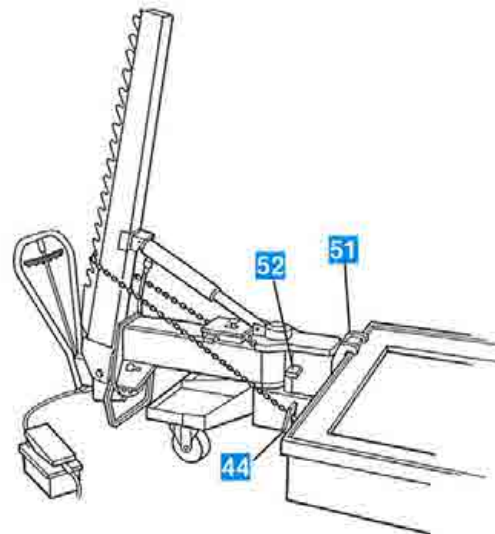
## INCLINATION OF THE VERTICAL ARM

- The operator must always stand on the side towards which the arm is inclined.
- Hold the pulling arm **48** with one hand
- With the other hand, lift **A** the unlocking lever **45**
- Tilt **B** the handle bar **46** forwards
- Slightly tilt **C** the arm **48** and release the lever **45** and handlebar **46** again
- Continue to tilt the arm. The arm will automatically lock in the next tooth position.
- To obtain more inclination, begin the operation again (two notches are available on each side of the vertical position)



## PUSHING OPERATIONS

- The pulling unit being anchored to the bench, fit flange **51** and lock with a wedge **52**
- Pass a chain behind the pulling arm and hook each end into the anchorage points **44** designed for this purpose, one on each side of the pulling unit.
- Slightly tension the chain using the pump
- Lock the ram support **36** with a pin at the required height on the pulling arm
- Place the ram in position :
  - onto the ball if the ram is equipped with a STEK base
  - in the cup for a ram with a threaded base.



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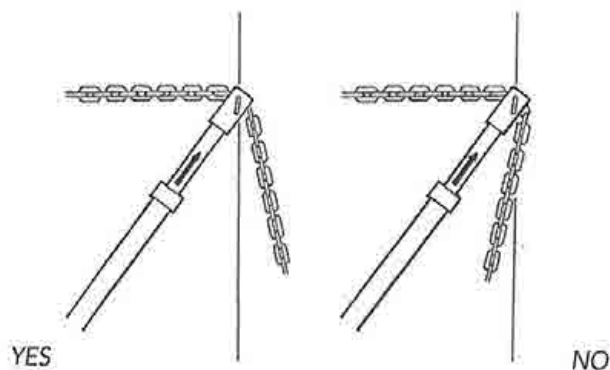
## SYSTEM 3P (photos I+II)

In most cases, it is easier and quicker to carry out pulls using the arm of the pulling unit. But in some cases, it can be appropriate to use SYSTEM 3P techniques (upward pulls, double pulls). Your Sevenne pulling unit is designed to use the 3P SYSTEM (Ref. CSK.15111)

### OPERATION

- Insert the support socket-joint into the ram base
- Extend the ram piston with extensions, if required, then fit the chain-lock head
- Hook the chain to the vehicle
- Lock it to the chain-lock head using the pin (2nd point).
- Anchor it to the pulling unit (3rd point)
- Apply tension using an air-hydraulic pump (Ref. HYP.2301).
- Check the correct direction of the pull and continue with the pulling operation.

CAUTION : REAR LIMIT POINT. NOT TO BE PASSED.



## DOWNWARD PULLS (photo III)

Easy to carry out using the chain pulley block fixed freely (Ref. ATD.01.801) or with the orientable chain pulley block (Ref.947.910) to be fixed onto an Integral Beam or directly to the bench surface.

## HIGH-LEVEL PULLS (photo IV)

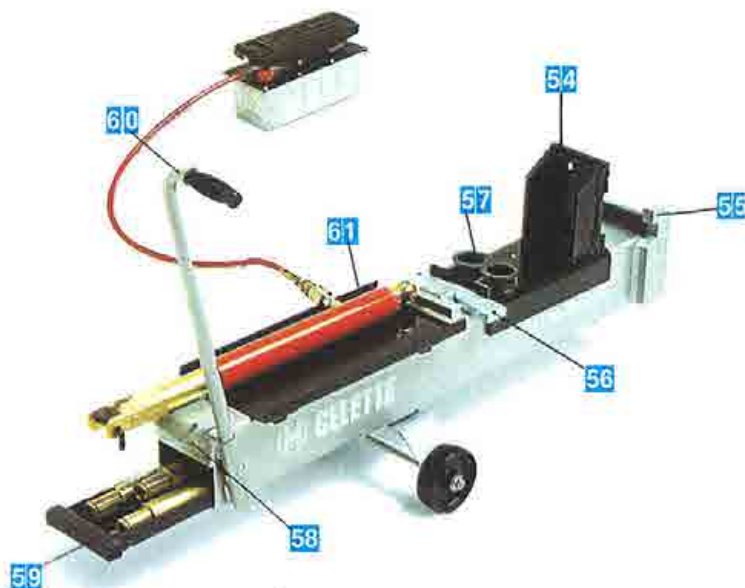
With the extension (Ref.9128.503). Enables pulls up to 2,20m high. Insert simply without tool into the top of the pulling arm.

## COMPLEMENTRY PULLS

### 10 T ALLIGATOR

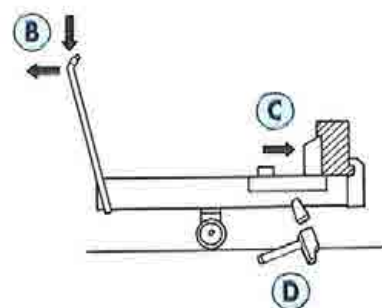
Pulling beam on wheels (ALL.812.1F) with rapid anchoring all around the bench. To be used together with the pulling unit. Enables vector pulling.

- 54** Moving jaw
- 55** Bench anchorage claw
- 56** Locking wedge
- 57** Holding cups for two rams
- 58** Chain anchorage
- 59** Storage drawer for extensions
- 60** Handlebar
- 61** Tray for rams and pump



### ANCHORAGE OF ALLIGATOR TO THE BENCH

- A** Position the beam against the bench, the head going under the bench
- B** Press down on the handlebar **60** and pull the beam backwards slightly to hook part **55** to the bench locking rail
- C** Push jaw **54** against the bench
- D** Lock with wedge **56** using a hammer. Ensure the wedge is well locked.  
**Note :** the wedge can be introduced either from the right or from the left side of the Alligator.



### OPERATION OF THE RAMS

- Insert the support socket-joint into the ram base
- Extend the ram piston by means of extensions, if required, then fit the chain-lock head
- Hook the chain to the vehicle
- Lock it to the chain-lock head using the pin.
- Anchor it to the Alligator in corresponding anchorage point **58**
- Fix a safety cable (CAS. 2000)
- Apply tension using an air-hydraulic pump (Ref. HYP.2301).
- Check the correct direction of the pull, and the location of the rear limit point (Refer to page 18). Continue with the pulling operation.



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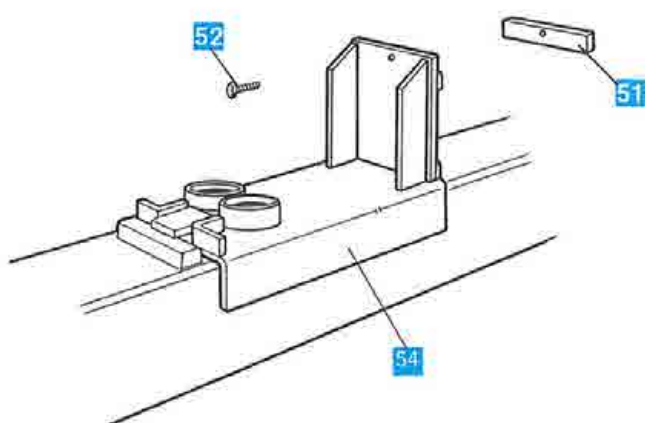


## DOUBLE PULLS

Two pulls can be carried out simultaneously, using a second SYSTEM 3P kit (Ref. CSK.15111) and an air-hydraulic pump (Ref. HYP.2301)



CSK.15111



## USE WITH OTHER CELETTE BENCHES

The Alligator pulling beam can also be adapted for use with other CELETTE benches (M8.S - MT.10 - LAKUDA).

Fix wedge 51 with screw 52 on movable jaw 54



## 10 TON 3P SYSTEM

### WITH MULTI-FUNCTION SUPPORT SADDLE

The multi-function support saddle (Ref. 9121.523) also enables vector pulling to be carried out, using the "3Point SYSTEM". Same fixing all around the bench as for the sill clamps (Refer to page 9)

The ram base, equipped with its socket-joint, is held in location 62 of the support saddle.

Used with the pulling unit or the Alligator beam, it enables multiple combinations of lateral and diagonal pulls.



### REFERENCE (9121.543)

To be used together with pulling unit. Enables to effect pulls in SYSTEME 3P all around the bench.

To be used only with the hydraulic compositions SC.40014 and SC.44004.

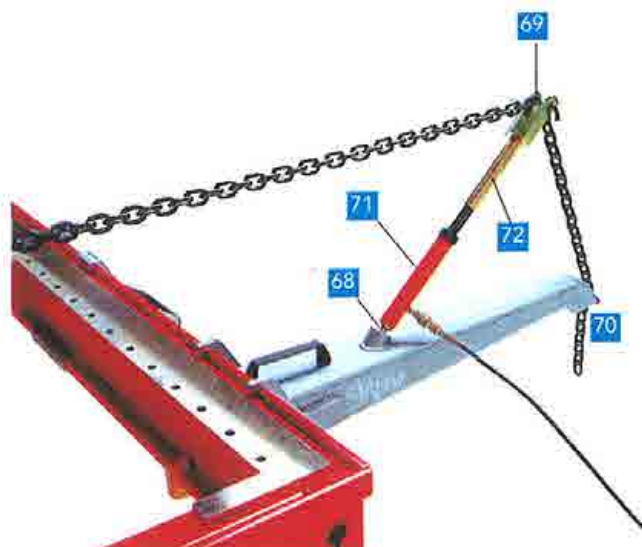
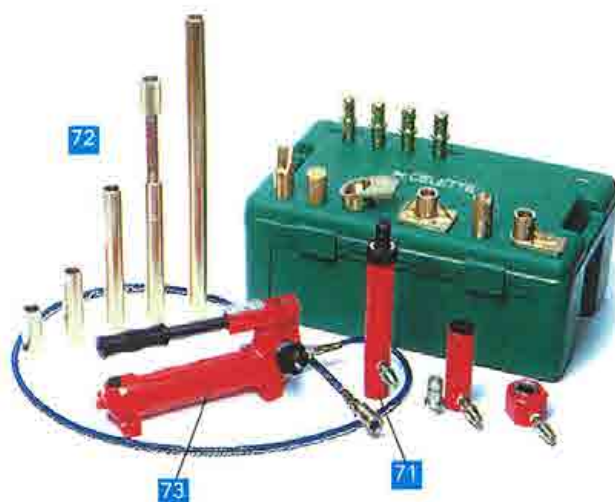


### ANCHORING OF THE VIPERE TO THE BENCH

Proceed in the same way as with the anchoring clamps (Page 9)

### OPERATION OF THE RAM

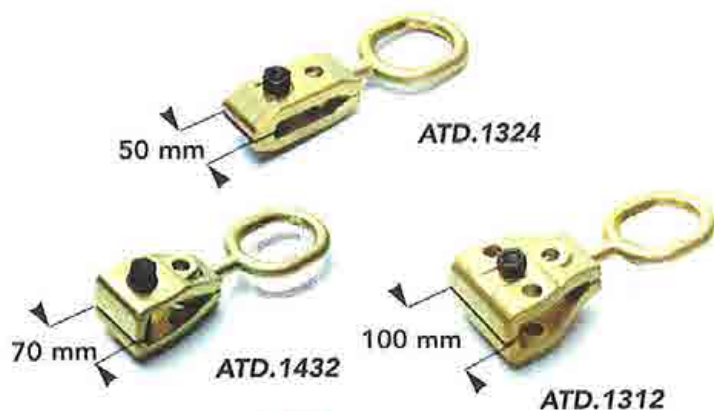
- Insert the ram base **71** into the support socket joint **68**
- Extend the piston of the ram by means of one or several extensions **72**, then by the chain lock head **69**
- Hook the chain to the vehicle. Block the chain to the chain lock head using the pin. Anchor it to the Vipere, using the corresponding anchorage **70**
- Fix a safety cable (CAS. 2000)
- Apply tension by means of the pump **73**. Check the correct direction of the pull, as well as the position of the rear point. (Page 18)
- Effect the pulling operation.



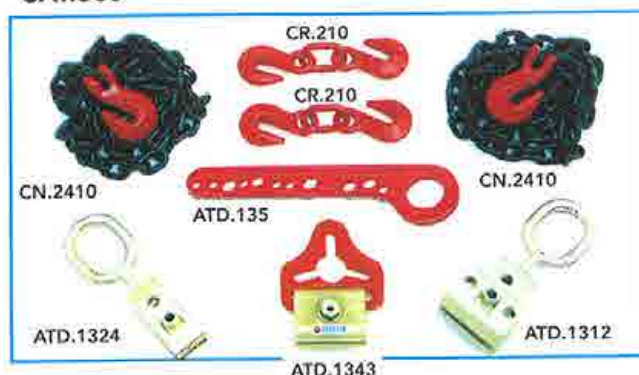


## PULLING ACCESSORIES

CELETTE offers more than 250 small accessories for rapid and accurate repairs, under safe conditions. Some are exclusive to CELETTE. Ask for our catalogue (Doc.154).



CAT.500



ATD. 1324 : 50 mm self-locking clamp

ATD. 1432 : 70 mm self-locking clamp

ATD. 1312 : 100mm self-locking clamp

ATD. 142 : Self-locking clamp with orientable ring

ATD. 1343 : Multi-purpose clamp

SN. 99.00 : Set of 2 pulling straps  
0,75 m and 1,50 m long

ATD. 149 : Strut puller flange for pulls on the upper  
fixing points of front suspension struts.  
To be used with specific centring discs.  
Sets of centring discs:

|                                                                                                                           |            |
|---------------------------------------------------------------------------------------------------------------------------|------------|
| VOLKSWAGEN : Golf II - III - IV - Jetta - Passat (81-97) - Polo - Santana - Caddy pick-up                                 |            |
| AUDI : 50/80 (79 ->) - 90 - 100 - 200 Corrado - V8 - Quattro - A3 - A6 ( ->98)                                            |            |
| SKODA : Favorit - Felicia - Forman - Octavia - Pick-up                                                                    |            |
| SEAT : Ibiza (93) - Toledo - Cordoba - Arosa - Inca                                                                       | ATD.04.150 |
| BMW : E3 E30 E36 4x4 - S5 E28 E34 - S7 E23 E32 E38 - S8 E31                                                               | ATD.02.151 |
| PEUGEOT : 605 - 604 - 504 - 406 - 405 - 309 - 306 - 205 - 106 - Partner                                                   | ATD.08.152 |
| FORD : Fiesta (84->) - Escort (84->) - KA - Orion - Sierra - Mondeo - Probe - P100                                        | ATD.06.153 |
| OPEL : Kadett D - Kadett E - Corsa - Ascona C - Astra - Record E Commodore - Monza - Omega A & B - Senator - Vectra A & B | ATD.06.154 |
| RENAULT : 9 - 11 - 19 - 21 - Super 5 - Clio - Safrano - Laguna - Mégane                                                   | ATD.06.155 |
| ALFA-ROMEO : Spider - 145 - 155                                                                                           |            |
| FIAT : Barchetta - Brava - Bravo - Coupé - Regata - Croma - Punto - Ritmo II - Tipo Tempra Uno - Panda (02/86 ->)         |            |
| LANCIA : Delta - Dedra - Kappa - Prisma - Thema - Y                                                                       | ATD.03.156 |
| AUTOBIANCHI : Y10                                                                                                         | ATD.01.157 |
| MERCEDES : W 201 - W 124                                                                                                  | ATD.07.158 |
| CITROËN : AX - BX - Visa - C15 - LN - XM - ZX - Xantia - Berlingo - Saxo - Xsara                                          | ATD.03.159 |
| VOLVO : 200 (88->) - 700 - 800 - 900 - S40 - V40 - S70 - V70 - S90 - V90                                                  | ATD.02.160 |
| SAAB : 9000 - 900 (94)                                                                                                    | ATD.03.174 |
| NISSAN                                                                                                                    | ATD.03.180 |
| TOYOTA                                                                                                                    | ATD.01.181 |
| HONDA                                                                                                                     | ATD.03.182 |
| MAZDA                                                                                                                     |            |

List on 01/01/98

CAT. 500 : Pulling composition

CAS. 2000 : Safety Cable

ESP. MP. 02 : Very sturdy Multi-purpose work-stand  
(Works on roofs...)

**WARNING ISSUED  
BY THE CELETTE COMPANY  
CONCERNING THE USE  
OF OTHER ACCESSORIES  
IF USED WITH CELETTE BENCHES**

The CELETTE Company wishes to warn its users that should vehicle bodywork repair be undertaken on a bench of CELETTE manufacture but equipped with fixtures or other accessories, not of its manufacture, this will not, in any event, engage the responsibility of the Company.

CELETTE Company products, such as its modular crossbeams, its MZ towers, its fixtures and other accessories, are specially designed for use with CELETTE benches, and vice-versa.

Consequently, the CELETTE Company will not be held responsible for any results obtained from the use, with its benches, of any fixtures or other accessories of other manufacture, even if these are sold as being adaptable for use with CELETTE benches.

The CELETTE Company must therefore decline any responsibility in the event of faulty repairs, whatever the consequences of these may be, that may result from the use of CELETTE benches that are used with fixtures or other accessories not of the Company's manufacture.



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