

# JOSAM

## frame press

**frame repair systems for heavy vehicles**

**- Aluminium equipment for ergonomics, effectiveness and speed in a unique design -**

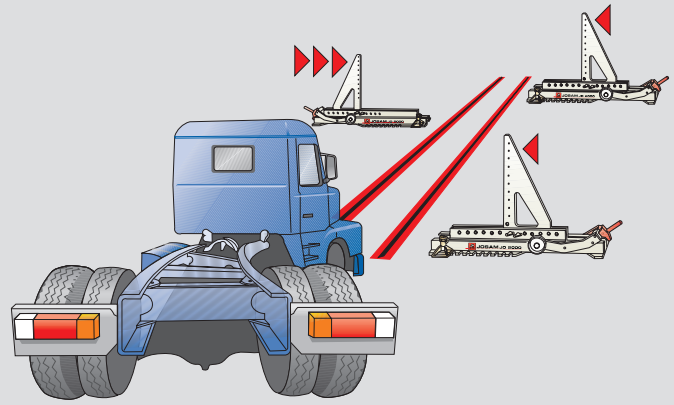


*- For optimal usefulness in your truck repair workshop -*

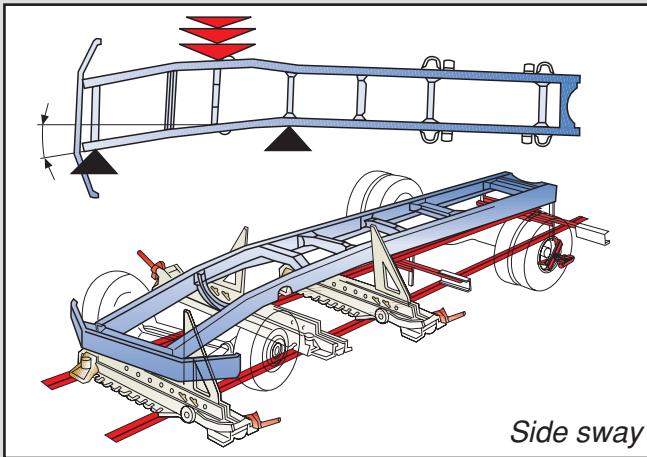


# JOSAM frame press

JOSAM Frame Repair Systems – number one in Europe – are used all around the world. Our market leading position is based on high technology and quality resulting from our research development work which ensures that it fulfills the demands which are placed on frame repair of vehicles and vehicle combinations up to 60 tons in weight. JOSAM's frame repair system is complemented with special accessory equipment and a thorough basic training program.

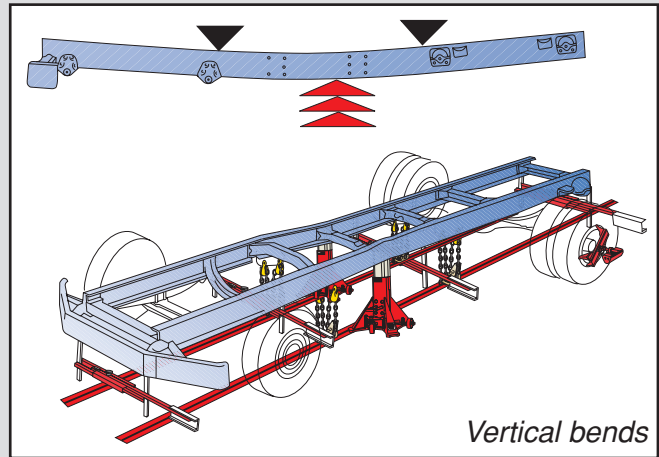


Most of the equipment is manufactured in aluminium – for simpler and easier use. The **JOSAM frame press** is used and recommended by DAF – DAIMLER-CHRYSLER – IVECO – MAN – RENAULT – SCANIA – VOLVO, as well as others.



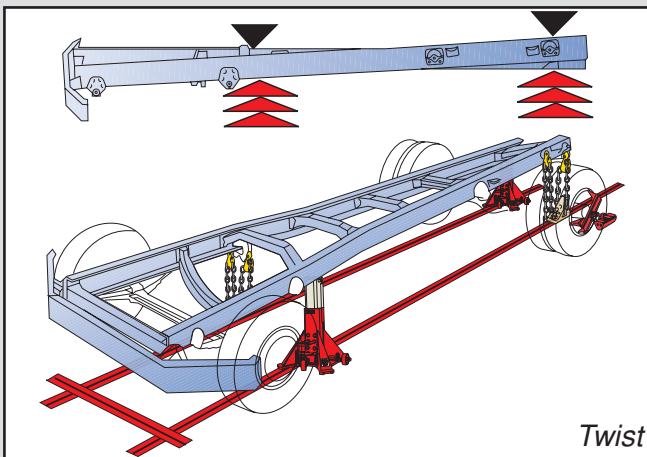
Side sway

Cross members are often not at right angles to the side rails. The front cross member is often heavily deformed.



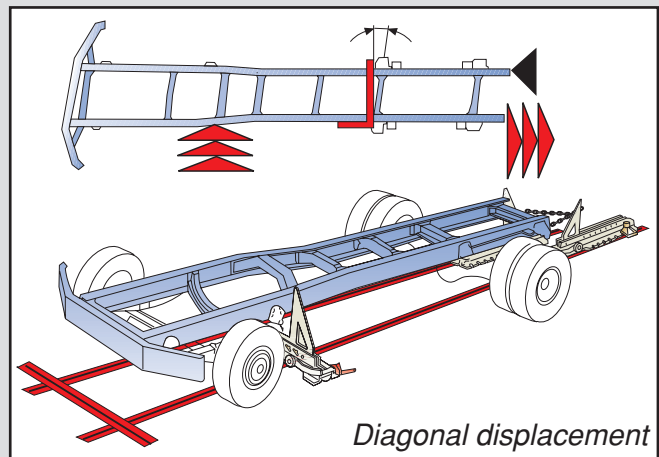
Vertical bends

Vertical bends can vary and are usually caused by incorrect usage of tipping or loading equipment.



Twist

A twisted frame, where the side members are straight but distorted in relation to each other. The cross members are normally at right angles to the side rails.



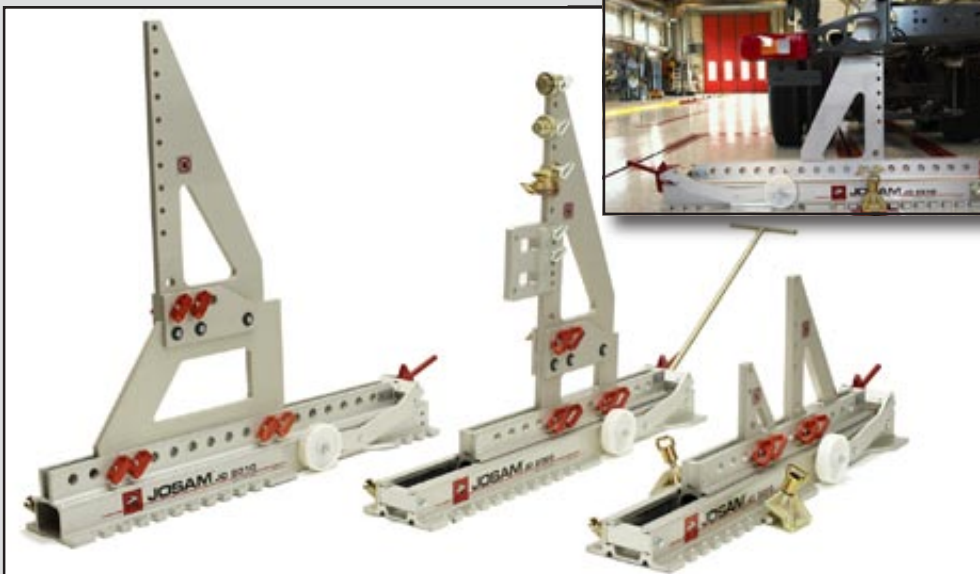
Diagonal displacement

Diagonal displacement often occurs on tipper trucks which have overturned, resulting in frame members that are displaced longitudinally and cross members that are no longer at right angles to side members.



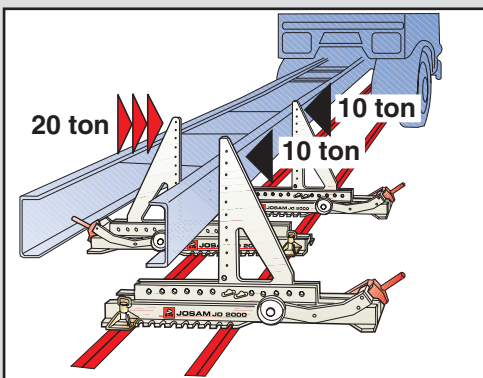


## JOSAM straightening trolleys

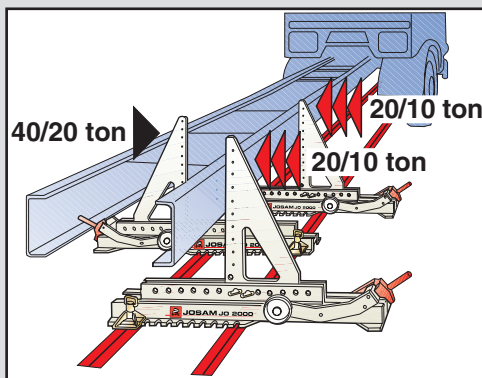


JOSAM Press/Pull trolleys with 20 tons press capacity. The equipment is designed to be as lightweight as possible, which is why it is constructed entirely of aluminium alloy. This also makes it very strong and durable. The trolleys are mounted on wheels, making them easy to handle by just one mechanic.

The diagrams on the left show how the press trolleys take care of the majority of frame straightening repairs on heavy vehicles.



A frame press set consists of three press trolleys, each with a 20-ton hydraulic cylinder. Two of them may be replaced by counterstay trolleys. When applying pressure with a single 20-ton press trolley, the two counterstay trolleys take up 10 tons each.

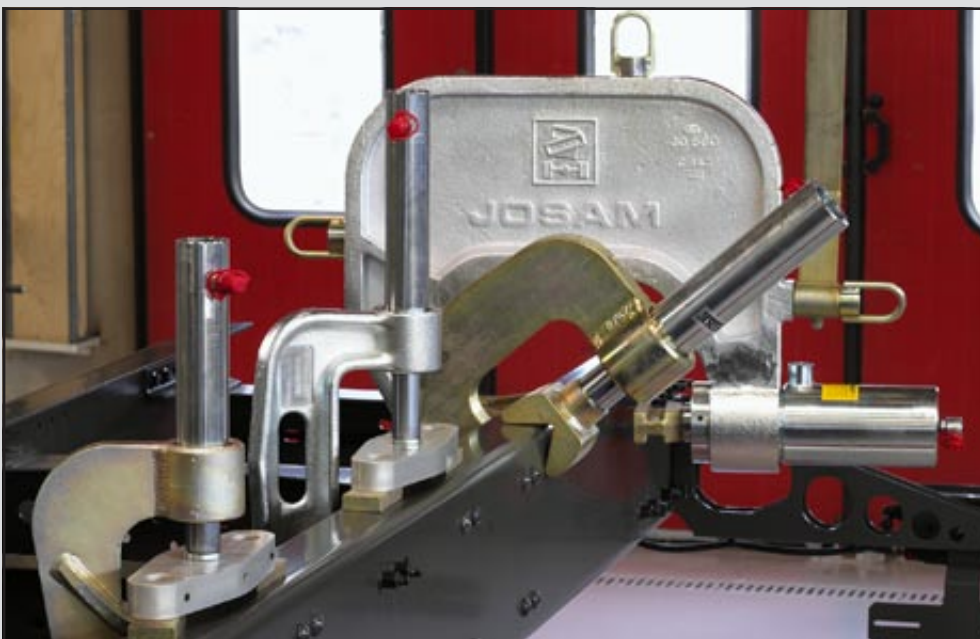


When pressing with two press trolleys, the opposing one can handle 40 tons of pressure. The counterstay trolley can withstand 20 tons of pressure as we press with 10 tons on each side.

The counterstay trolley is a simpler model without a cylinder press.



## JOSAM c-clamps



These are used for straightening and riveting of truck frames etc. The models range from 10 to 40 tons.

The hydraulic clamps are adapted to easily access local deformities and straighten them.

The larger clamps have a riveting capacity and also come with lifting device for use on a traverse crane, for example.



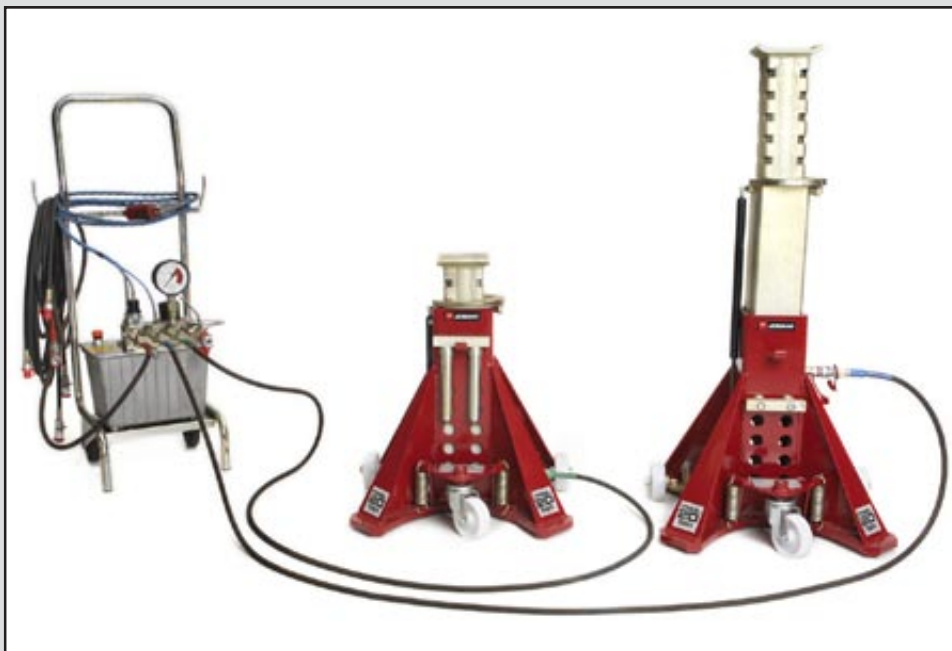
## JOSAM vertical presses and pumps

For vertical straightening, our vertical presses are used, while for lifting, our jacks can be used.

The equipment is operated with JOSAM hydraulic pumps.

They are all equipped with wheels in order to make them easier to handle.

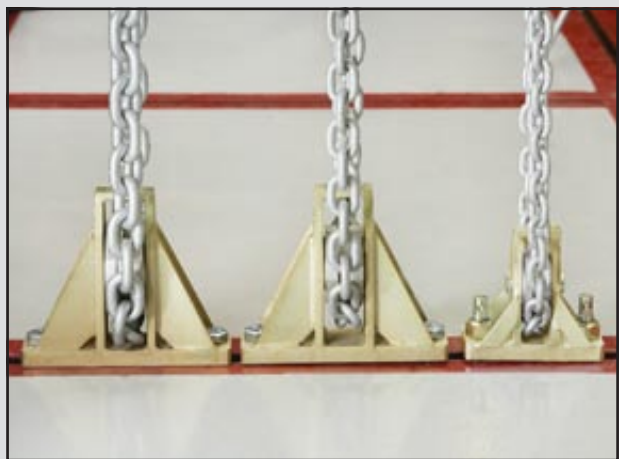
- Vertical presses have a press force of 20 tons and a lift height ranging from 535-1260 mm (approx. 21-50 inches).
- The jacks are only used for lifting and have 10 tons lifting capacity and a lift height ranging from 553-1048 mm (approx. 22-42 inches).



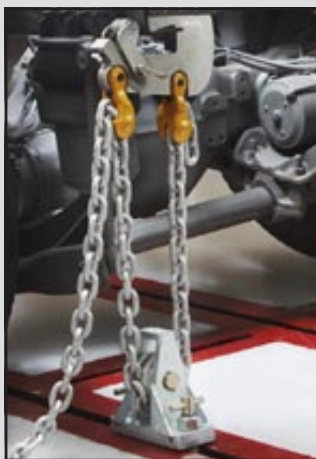
*Vertical presses used in combination with frame hooks for trucks... and trailers.*



## JOSAM chain attachment/anchoring



*The equipment is securely anchored in the floor beams by the chain attachments. These are available in two sizes for the three different sizes of chain dimensions.*



*The hooks are available in various models so as to fit, among other things, U-beams and I-beams in the floor.*

For certain types of straightening, usually vertical bends and twists, the JOSAM vertical press and chain attachments with anchoring equipment, chains and hooks should be used.

The frame hooks are manufactured of aluminium alloy and are available in a number of models.





## JOSAM straightening pit

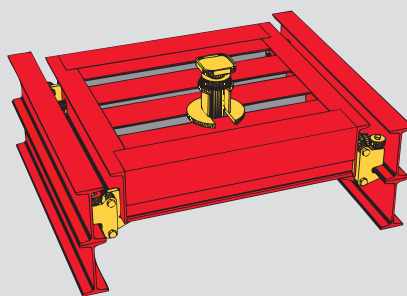


The JOSAM service pit is used for frame straightening as well as wheel and axle alignment.

It is the perfect workplace for straightening heavy and light trucks, trailers, and buses.

The girders on the edges of the pit form a track allowing a moveable pit trolley to function as an anchor for our press trolleys.

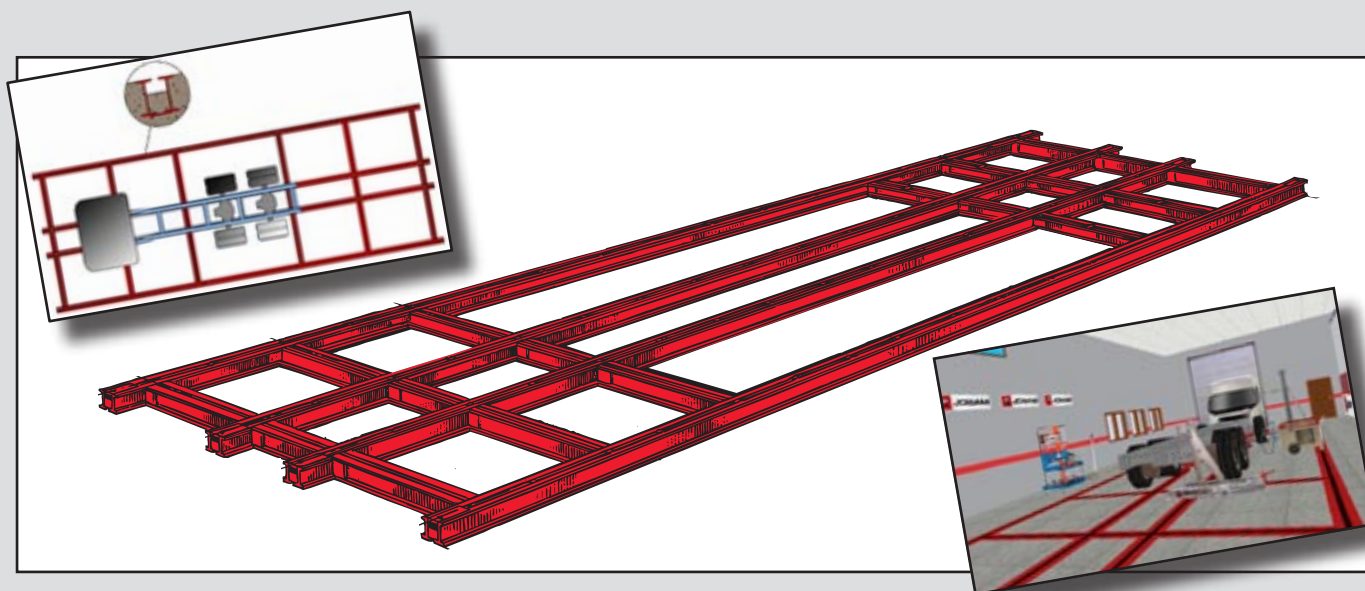
The pit trolley also functions as a base support for JOSAM vertical presses, anchorage equipment and the hydraulic lift cylinders.



## JOSAM floor beams

The JOSAM frame straightening system is based on the use of I-beams cast flush with the workshop floor. Straightening work is to be done without ramps and the workshop can be used for other purposes. JOSAM straightening trolleys, floor attachment etc. are anchored to these floor beams.

Furthermore, JOSAM's cab and bus straightening equipment can also be anchored securely into these floor racks.





# JOSAM frame press



*Training is a very important part of the frame press system. It is carried out either at any one of our training centres or at your local premises.*

*By constantly improving our products and developing new ones, we have created a repair system consisting of tools and techniques for straightening and measuring heavy and light transport vehicles.*

*Our frame straightening system helps haulage contractors and truck owners around the world to keep their repair and downtime costs at a minimum.*

*The straightening and alignment equipment is designed and patented by JOSAM. We export it to most countries and have representatives in every part of the world.*

Distributor:

Manufacturer:



## JOSAM

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