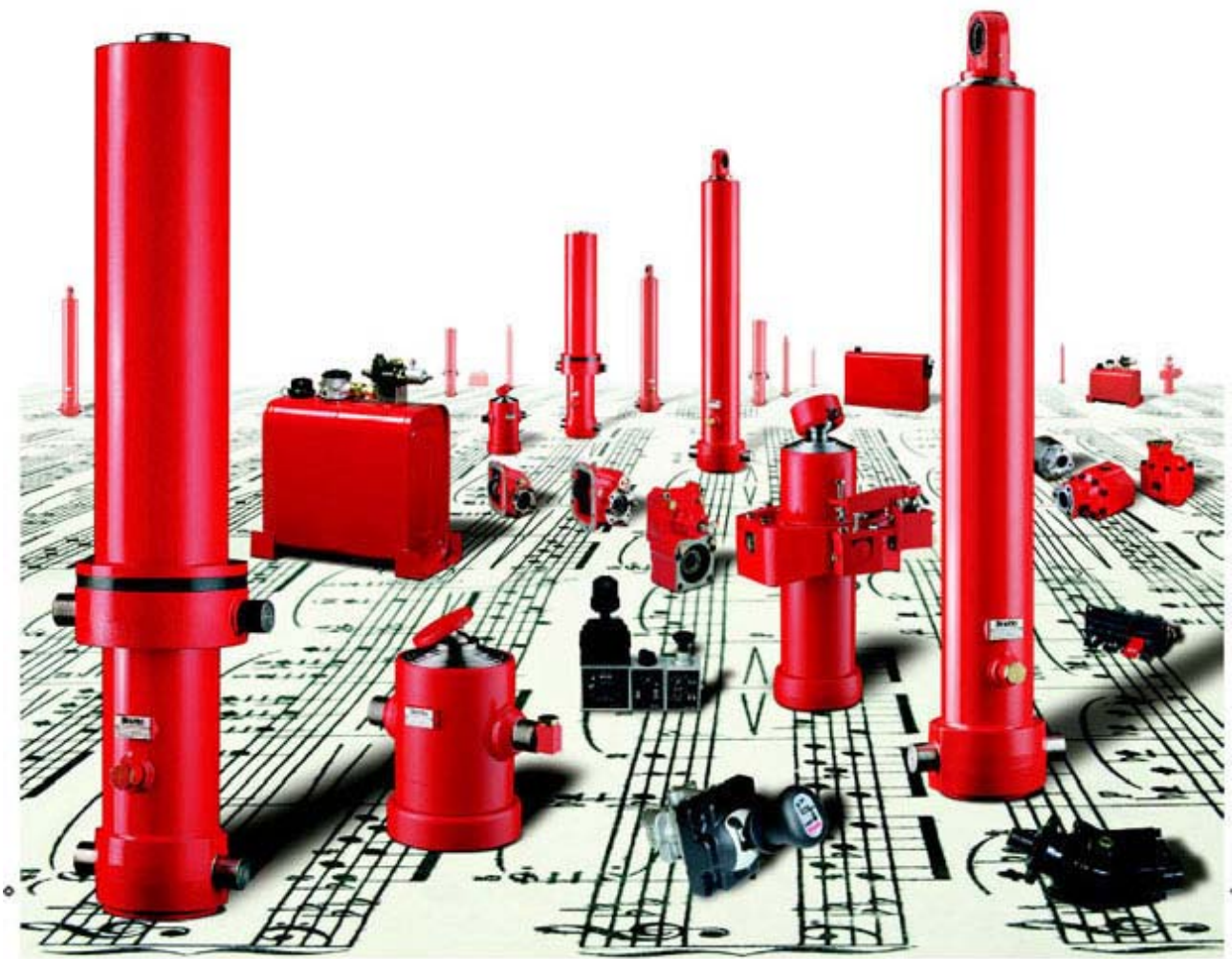


Binotto®

Binotto®

choose **compose** lift



bodyfix

mounting, operating and maintenance instructions



BodyFIX

1. Advantages:

- stop rattling of the empty tipper body on the chassis and prevents damage to the chassis;
- avoids unnecessary wear and to the tipper while travelling unloaded;
- reduces the noise nuisance.

2. Bodyfix: what is it?

Bodyfix is a revolutionary solution for a relevant and consistent tipper problem.

A tipper chassis receives enormous hammering from the tipper body caused by potholes and bumps on the road surface.

Driving on corrugated roads or across building sites, e.g. dam and road construction work, causes even more damage to the chassis. The rattling of the tipper body does not cause only a high noise nuisance, but also quite unnecessary wear and tear to the chassis, the tipper body and to the hydraulic tipping gear.

Bodyfix resists the forces which occur both in light and heavy load conditions.

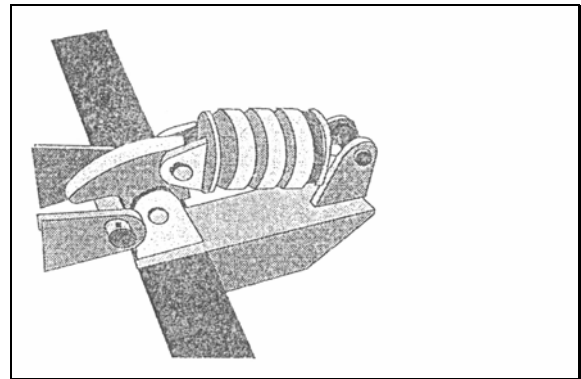


FIGURE 01

It creates a “fixed” connection between the tipper body and the chassis.

The compression load in the power block can be adjusted by the continuous bolt and nut, depending on where the Bodyfix is fitted and on the dimensions of the tipper body.

The compression load can vary from 250 to 1600 Kgs.

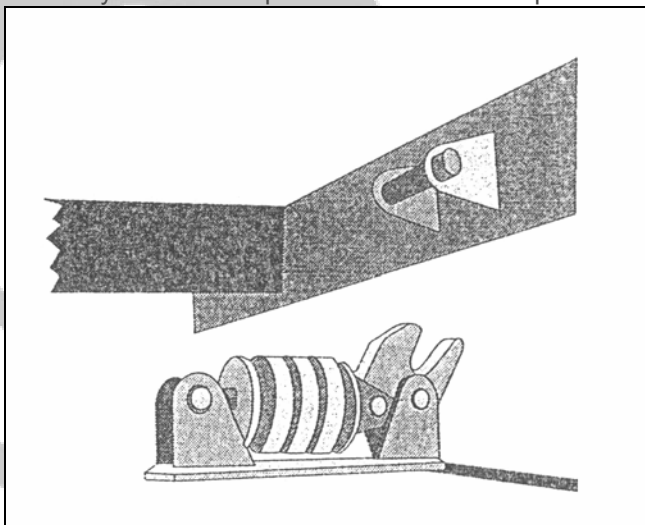
Bodyfix looks like a lock construction!

A locking bar, mounted underneath the tipping body, engages with the hook as the body is lowered and the weight of the body forces the hook over center into the lock position.

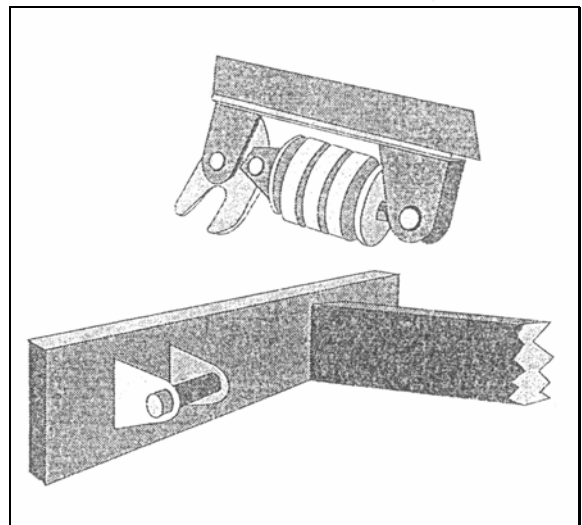
The compression load in the power block is sufficient to clamp down an empty tipper body to prevent rattling.

3. Mounting the Bodyfix

The bodyfix has to be positioned as close as possible to the head board.



(A)



(B)

FIGURE 02 – STANDARD (A) AND REVERSE (B) MOUNTING

When the tipper body rests on the chassis, the horizontal distance between locking bar and Bodyfix pen has to be 50 mm and the vertical distance 0 mm (Fig. 08)

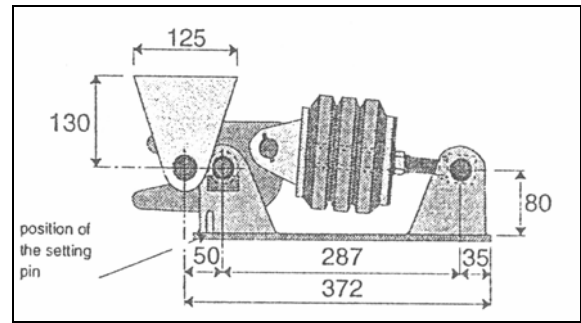


FIGURE 03 – BODYFIX DIMENSIONS



Tip

The body fix has to be greased regularly (see also 7.5).

The bodyfix has to be fully supported and welded over the entire surface before the compression load is set, so that no bending moment will arise on the power block and locking bar. Also the Bodyfix bracket has to be fully welded.

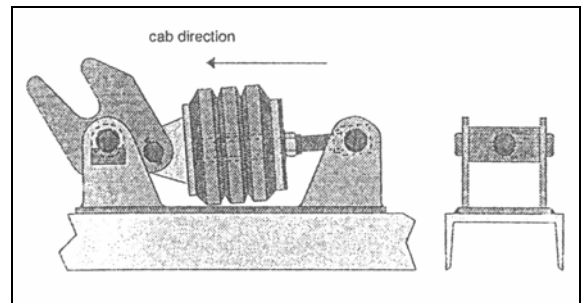


FIGURE 04

Open the Bodyfix (using a hollow steel bar with ID=+/- 50 mm) and remove the setting pin. When the setting pin is removed and the Bodyfix is closed, there is a possibility of clamping the power block and the hook.

4. Compression load

Determine the compression load as follows:

For dimensions see Figure 08

M= 1500 Kgs Tipper body with own weight
K = 2000 mm Distance between centre of gravity and rear hinge
L = 3500 mm Distance between locking bar and rear hinge

Recommended compression load "C"

$$C = M \times (K/L) = 1500 \times (2000/3500) = 860 \text{ kg}$$

Compression adjustment according the diagram is +/- 40 mm

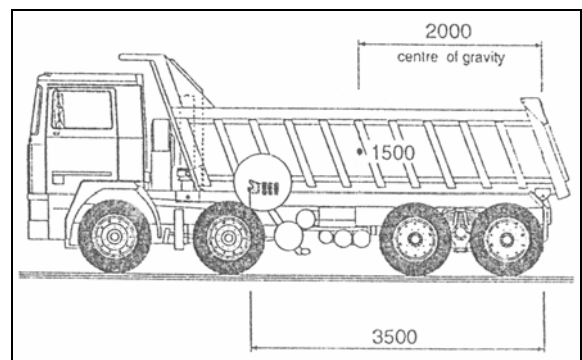


FIGURE 05

The diagram shows the relation between the power block adjustment and resulting force in Kgs.

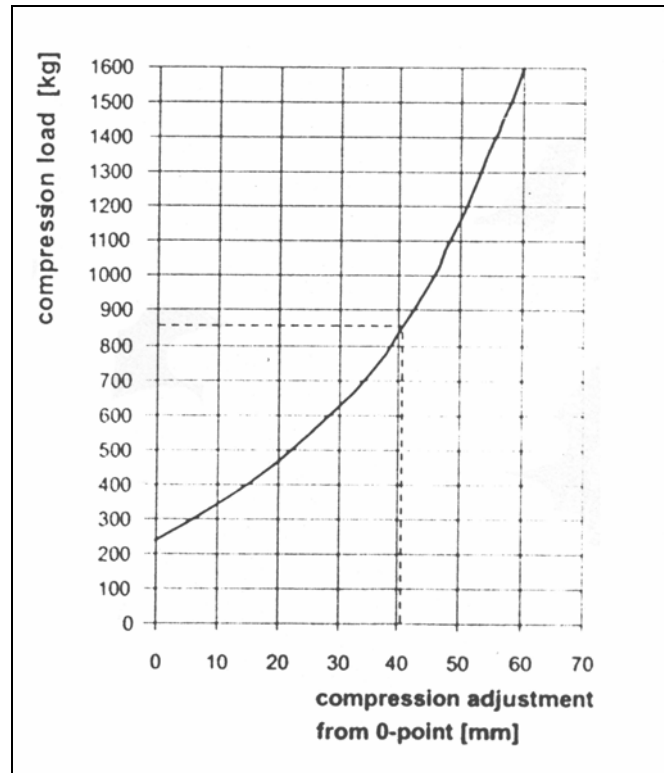
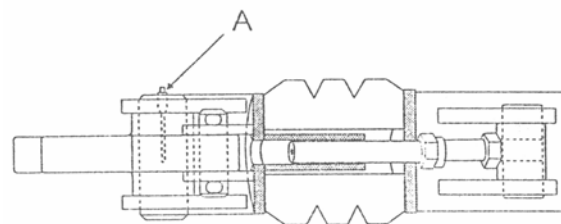


FIGURE 05 – COMPRESSION LOAD DIAGRAM

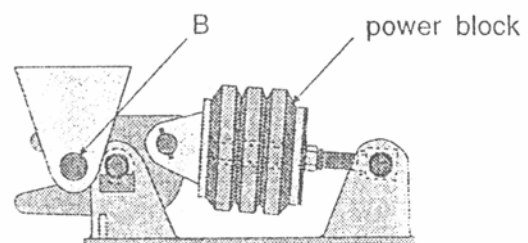
5. Maintenance

The Binotto Bodyfix clamp needs the following maintenance in order to achieve the maximum clamping action and operational life

1. Grease weekly (grease according to SAE 140);
2. Check twice a year condition of power block;
3. Check twice a year compression load;
4. Check twice a year hinge points hook and locking bar on wear.



Hinge Point, pos. A



Hook and locking bar, pos. B

FIGURE 06

Service points

A global and update overview of main (or national) service agents to contact for checking your equipment is available on the Binotto website (www.binotto.com).

Even if you are considerable distance from the agents listed, you should still contact your nearest agent or contact the supplier where you bought your hydraulic equipment..

Most agents maintain their own networks and can advise you of the most convenient for your work.

CYLINDERS



WET KITS



SPARE PARTS



SERVICE



REPAIRS



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