



MULTIMASS

USER MANUAL

Dear user,

Thank you for placing your trust in us. We hope you will be fully satisfied with your MX MULTIMASS.

Taking a few minutes to read this manual will ensure that you obtain the best performance from your MX weight, prolong its service life and use it safely.

Your MULTIMASS user manual is an important document. Keep it in a safe place, along with the assembly and hitching instructions supplied by your dealer, so you can easily consult them when necessary. These documents should be made available to any other users, and provided to any new owner if you sell your MX MULTIMASS.

The illustrations and technical data shown in this document may not correspond exactly to your MULTIMASS, although the conditions of use will nevertheless remain unchanged.



WARNING: The MULTIMASS should be handed over to the user by the dealer.

The demonstration of the equipment to be delivered should include:

- Safety rules for the use of the MULTIMASS working weight.
- Principles for adjusting and configuring the MULTIMASS to suit the task at hand.



WARNING: If any of these requirements are omitted, please contact your dealer immediately.

The original French manuals are available [on the MX website](#).

MX is a trademark of M-extend France SAS, SIREN 639 200 260, Rennes TCR, 19 Rue de Rennes, BP 83 221 - 35 690 Acigné, France.



CAUTION: The operator must read this manual before using the loader for the first time.



- Any use that is not intended by the manufacturer is considered improper use and therefore constitutes misuse. The manufacturer cannot be held liable for any resulting damage.
- The safety information given in this manual does not replace safety codes, insurance requirements, local, state, or federal laws.

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1. Safety rules

- Use a 3-point hitch for road use (safety) and when using the towing clevis.
- Once the MULTIMASS is hitched, check that the linkage's coupling yokes are locked.
- After using the tractor, place the weight on the ground.
- When unhitching the weight, ensure that the ground is flat and solid.
- If using the extra weight, ensure that, when unhitching the primary + extra weight unit, the unit is completely stable (refer to the "MM400AD EXTRA WEIGHT" chapter).
- The width of the stops is designed for tractors with a between-the-tyres width of at least 1,000 mm. Check that the tyres do not interfere with the stops.

 **CAUTION:** Carry out a lifting test to check proper operation of the tractor/linkage/weight unit (tow bar, ladder hitch, pick-up hook, guard, tyres, etc.).

1.1. Safety warning pictogram

This safety pictogram is used throughout the manual to draw attention to the risk of material damage, injury or death. If this symbol is shown, read the warning message carefully. You must be familiar with the instructions and safety regulations before mounting or using the material.

Pictogram	Term	Description
	DANGER	Indicates an imminently hazardous situation which, if not avoided, could result in death or serious injury.
	WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.
	IMPORTANT	Indicates a situation that could result in damage to equipment or property if instructions are not followed correctly.
	NOTE	Provides useful information.

1.2. PPE Table (Personal Protective Equipment)

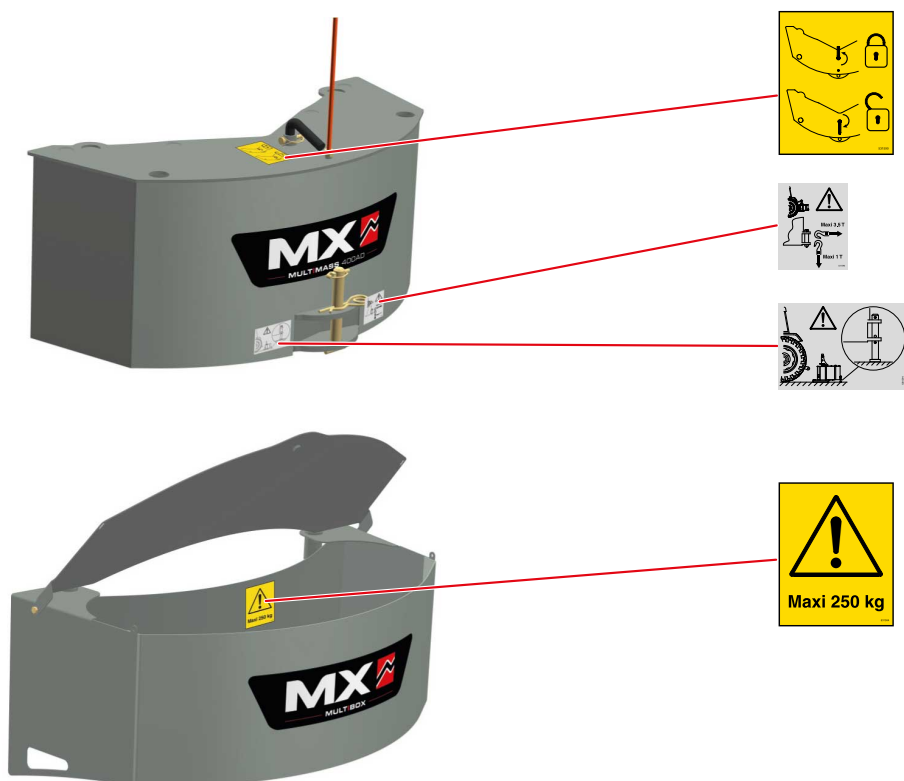
Symbol	Meaning	Example of risk
	Protective gloves must be worn.	Cuts, trapped fingers, when unlocking the implement on the loader.
	Hearing protection must be worn.	Bucket shaking in a tractor without a cab.
	Eye protection must be worn.	Splashes during high-pressure cleaning.
	Safety helmets must be worn.	Impacts to the head from the loader during tractor maintenance.
	Protective clothing must be worn.	Splashes during high-pressure cleaning.
	Safety footwear must be worn.	Crushing when positioning parking stands.

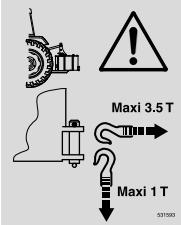
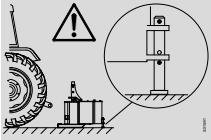
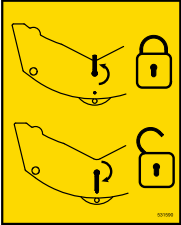
1.3. Non-compliance with safety and use rules

- Any modification to an MX supplied part shall invalidate the MX warranty on all its equipment.
- Use only genuine MX spare parts. Do not modify your MX equipment yourself, or have it modified by anyone else, without requesting prior written authorisation from MX. Failure to comply with these rules may render your MX equipment dangerous. In the event of damage or injury, MX may not be held liable in any way.
- Warranty cover will cease immediately in the event of failure to observe the standards and instructions for use and maintenance of the MX equipment, as stipulated in the user manual. MX shall not be held liable for any accident that might result from actions contrary to these restrictions.

2. Safety stickers

Safety stickers are affixed to weights. Ensure that these stickers are clean and legible; replace them if they become damaged. If a sticker needs replacing, clean the surface with isopropyl alcohol and affix the sticker using an appropriate tool.

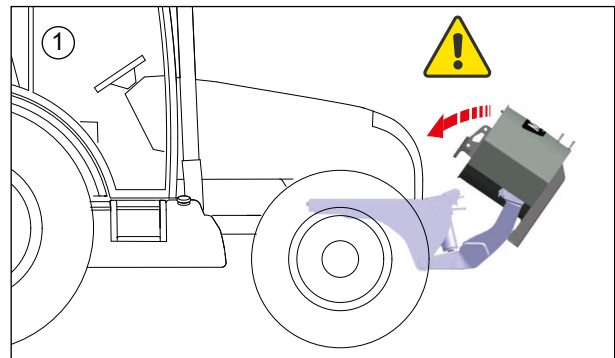


Symbol	Meaning
	Maximum horizontal pulling force is 3.5 tonnes. Maximum vertical pulling force is 1 tonne.
	When the primary and extra weights are removed, place the towing clevis yoke shaft in its parking stand stowage.
	MM400AD extra weight locked and released positions.
	Do not load the MULTIBOX with more than 250 kg.

3. Rules of use



CAUTION: There is a risk of the weight tipping when hitched in the lowest position (1).



- Tool carriers (2):
- Ensure that the tools (chainsaws, straps, pickaxes, etc.) are properly secured, to avoid any losses when moving.

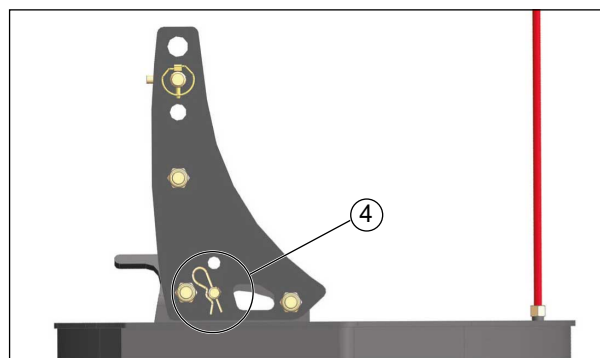


Towing clevis (3):

- The maximum horizontal pulling force under load is 3.5 tonnes and the maximum vertical is 1 tonne.
- The towing clevis is intended for towing wheeled equipment only.
- The towing clevis is not approved for use on public roads



- When towing, the pin (4) must be in the lower position, to lock the bracket and prevent toggling.



4. Description

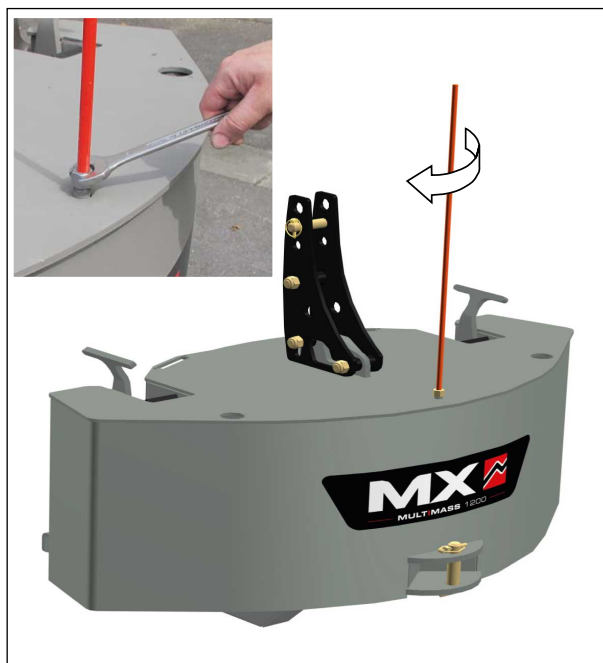
Weight	Model
	MM600 - MULTIMASS 600 kg
	MM900 - MULTIMASS 900 kg
	MM1200 - MULTI-MASS 1,200 kg
	MM1500 - MULTI-MASS 1,500 kg

4.1. Multimass options

Option	Model
	MM400AD - Extra weight 400 kg
	MBX - MULTIBOX
	Panel Kit

5. Preparing the weight

- Fit the indicator rod using a 22 mm spanner.

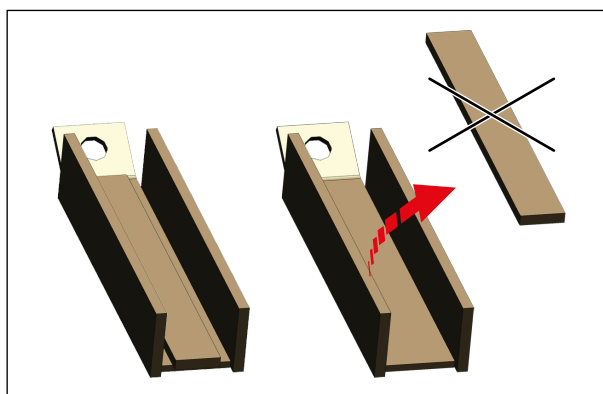


- Install the coupling balls.
- Adjust the height in accordance with the linkage.

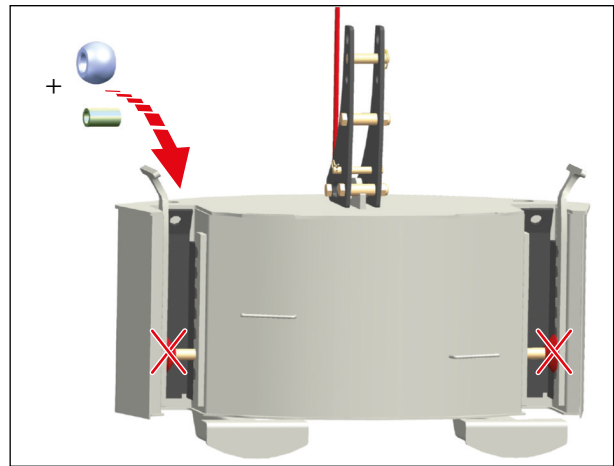


If hitching to a Cat. 4 tractor,

- First unweld the guide plate in the base of the shoes



- Remove the shells and install the Cat. 4 coupling balls and the Ø 54 mm spacers (not supplied).



6. 3-point and automatic hitching

Choose the 3-point or automatic hitch, depending on usage:

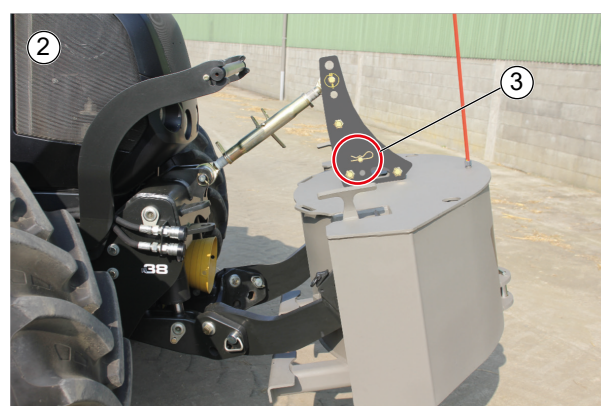
— short-term/frequent implement change = automatic (1).



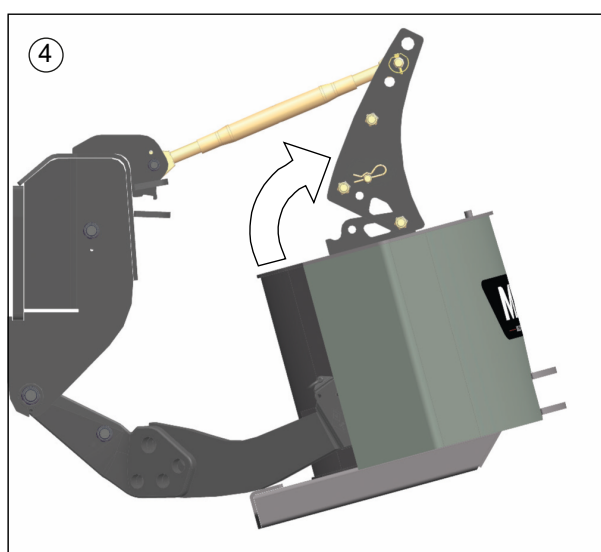
— long-term/on-road/towing = 3-point (2).



CAUTION: check that the pin (3) is correctly positioned.



— When 3-point hitching is used, if the automatic support comes into contact with the arms when lifting, the bracket tilts forward to ensure full compatibility (4).



7. MM400AD Extra weight

7.1. Hitching the MM400AD extra weight

- Move the primary weight towards the extra weight (1).

 **CAUTION:** the pin (2) must be on the primary weight.



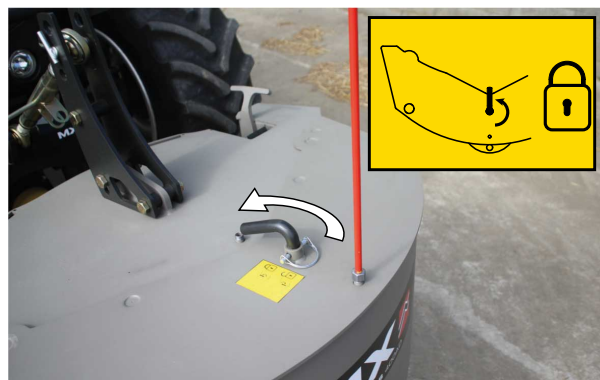
- Connect the 2 weights.



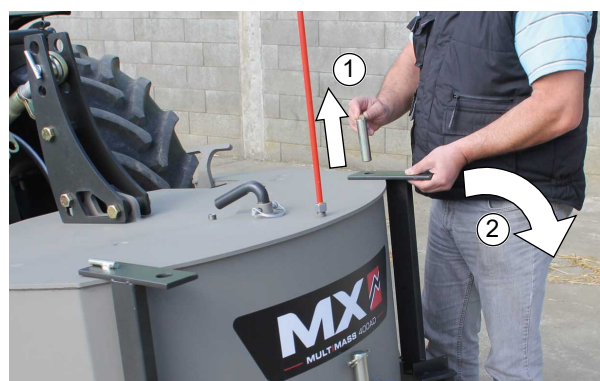
- Raise the unit



- Lock the extra weight.



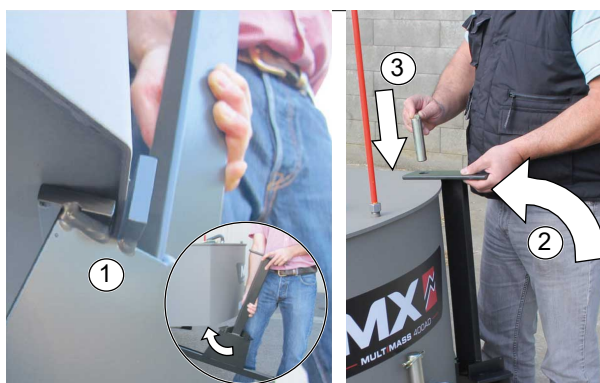
- Remove the parking supports from the extra weight.



7.2. Unhitching the extra weight

Proceed as follows:

- Position the parking supports (1), (2), (3).
- Unlock the extra weight.
- Put the extra weight and parking support unit on solid, level ground.

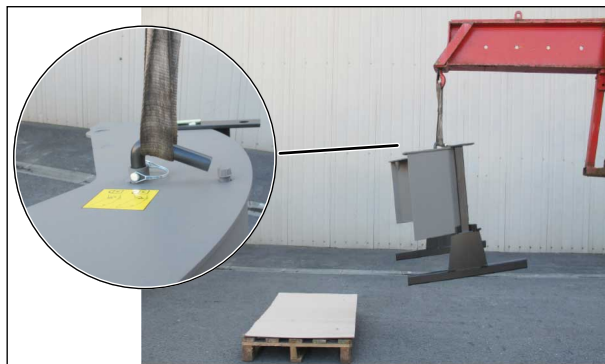


7.3. Unhitching the primary and extra weight unit

 **CAUTION:** When unhitching the primary and extra weight unit, first place the towing clevis yoke pin in the parking stand position.



Note: The extra weight can be lifted by its locking handle.



8. MBX MULTIBOX

The MBX Multibox is a storage box that can be fitted to the front of the weight (primary or extra).

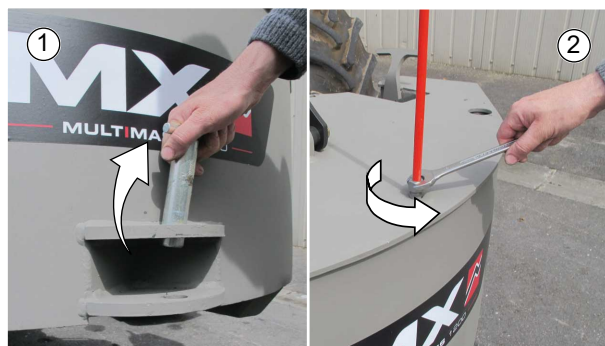
Specifications:

- Capacity: 168 L
- Depth: 38 cm
- Height: 40 cm
- Weight empty: 60 kg
- Maximum load: 250 kg



8.1. Hitching the MULTIBOX to the weight

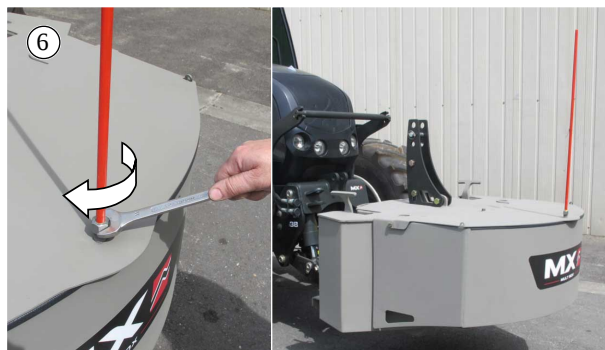
- Remove the pin from the MULTIMASS (1).
- Unscrew the indicator rod using a 22 mm spanner (2).
- Use two people to position the MULTIBOX (3).
- Fit the MULTIBOX onto the MULTIMASS (4).



— Refit the pin to lock the unit in place (5).



— Screw the indicator rod onto the MULTIBOX (6).



 **CAUTION:** always set the weight + MULTIBOX unit down flat. The weight must therefore be hitched at 3 points. Automatic hitching risks damaging the MULTIBOX (7).



9. Panel Kit

The panel kit (1) adds bumper functionality to a MULTIMASS.

Note: The panel kit is compatible with the other MULTIMASS options (MULTIBOX, EXTRA WEIGHT).



— This kit is available for pre-equipped weights (2) (from April 2022).

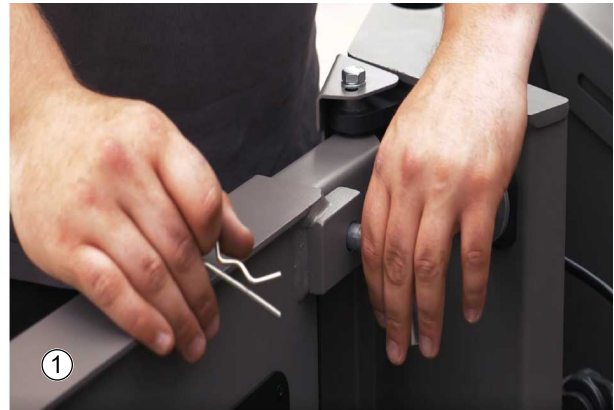


— It is also available with fixing plates (3), for retrofitting on pre-2022 weights.



9.1. Panel adjustment

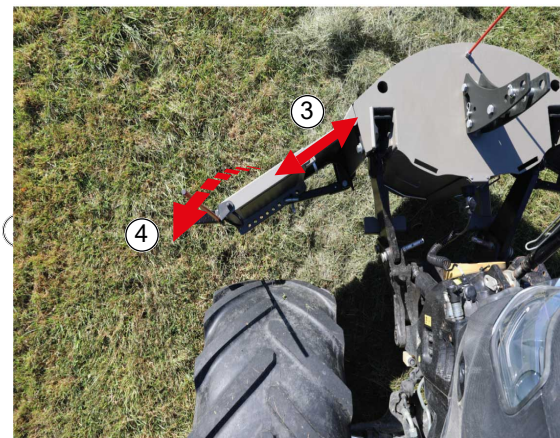
The MULTIMASS panels are adjustable, without tools, to suit the tractor's width:



- Remove the panel's clips and pins (1) (2).



- Slide the panel to the required length (3) and/or depth (4).
- Once the panel has been adjusted, secure it by reinserting the clips and pins (1) (2).
- Do the same for the panel on the other side.



9.2. Panel kit electrical connection

The panel kit has a signalling option, comprising 6 LED side lights, to render the moving tractor highly visible.

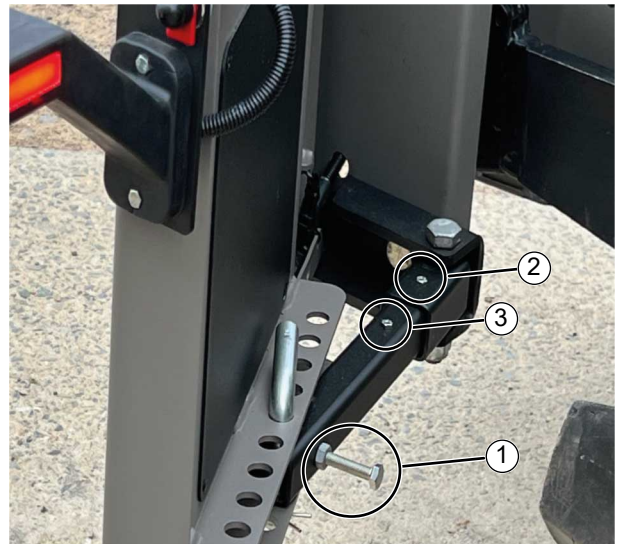
To connect the panel kit:

- Open the 7-pin socket and connect the extension cable to the tractor's electrical system.



9.3. Anti-vibration shear bolt

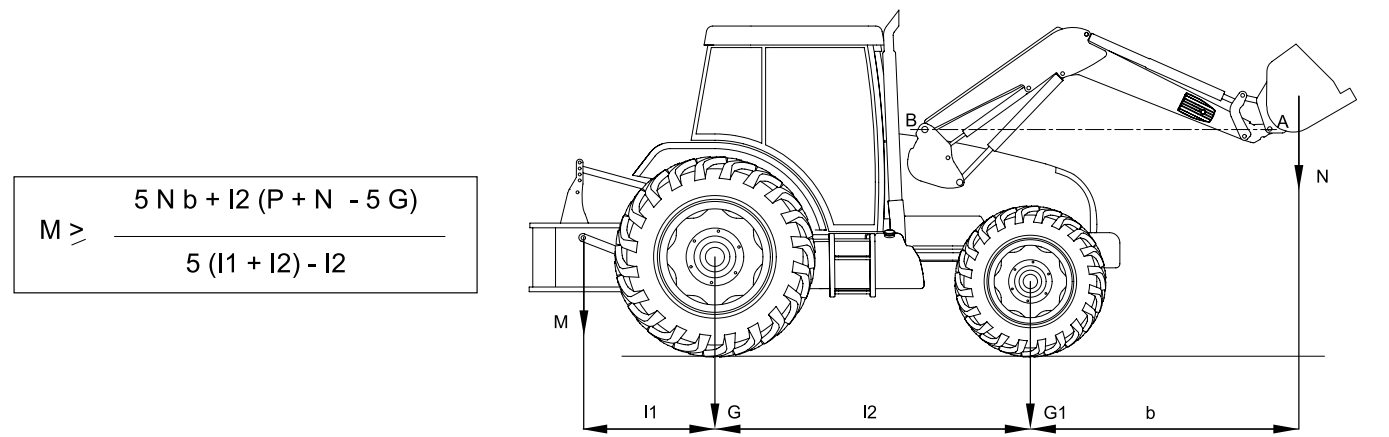
- The panel kit is fitted with an anti-vibration bolt (1) to prevent vibration and unwanted noise. The bolt must be firmly seated against the panel when adjusted.
- Each panel is also fitted with a shear bolt (2) for safety, and a spare bolt (3).



10. Counterweight

Tractor-loader unit stability can only be ensured with a counterweight installed on the rear of the tractor. This should ensure that 20% of the gross weight (tractor, loader, implement, maximum load and counterweight) remains on the rear axle of the tractor, for optimal working safety.

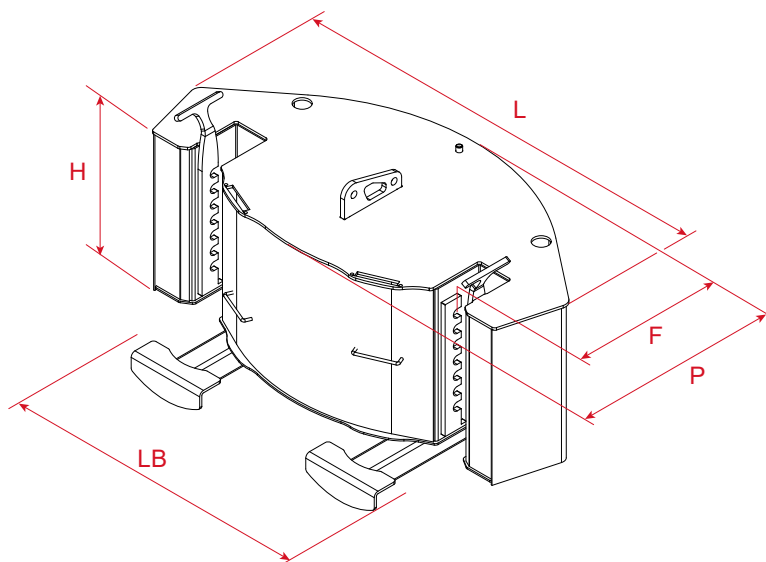
The formula includes the information shown below and is used to calculate the mass (M) of the counterweight (standard EN12525 + A2 2010).



Letter	Correspondence
G	Load on rear axle, no counterweight, implement empty (kg)
G1	Load on front axle, no counterweight, implement empty (kg)
b	Distance from front axle to the implement's centre of gravity (mm)
I1	Distance from linkage arm pin to rear axle (mm)
I2	Wheelbase (mm)
N	Loader payload for implement pivot point (A), horizontally level with loader pivot point (B) (kg)
P	G + G1 (kg)
M	Counterweight (kg)

NOTE: the counterweight must not exceed the axle loads recommended by the manufacturer.

11. Technical specifications



Note: The width of the stops is designed for tractors with a between-the-tyres width of at least 1,000 mm. Check that the tyres do not interfere with the stops.

	MM600	MM900	MM1200	MM1500	MM400AD
Weight	600 kg	900 kg	1,200 kg	1,500 kg	400 kg
Width (W)	1,200 mm	1,200 mm	1,400 mm	1,400 mm	1,200 mm
Min. width between tyres (LB)	1,000 mm	1,000 mm	1,000 mm	1,000 mm	1,000 mm
Height (H)	500 mm	500 mm	500 mm	500 mm	500 mm
Depth (D)	585 mm	585 mm	675 mm	800 mm	+ 270 mm
Overhang (O)	385 mm	385 mm	475 mm	600 mm	+ 270 mm
Hitch type	3-point and auto	3-point and auto	3-point and auto	3-point and auto	
Hitch category	cat 2 to 4	cat 2 to 4	cat 2 to 4	cat 2 to 4	

DECLARATION OF CONFORMITY



The manufacturer:

M-extend France SAS

Registered office: 19, Rue de Rennes, 35690 Acigné (France).

Registered with the RCS of Rennes under number 639 200 260.

Hereby declares that the material :

Front loader T408evo or T408+evo or T410evo or T410+evo or T412evo or T412+evo or T414evo or T417evo or T418evo or TX420 or TX425 or TX430

or

Front loader U503 or U504 or U505 or U506 or U506+ or U507 or U508 or U508+ or U509 or U510 or U510+ or U511 or U512 or U512+ or U514 or U514+

or

Front loader A104 or A106 or A110 or F303 or F304

or

Front loader C401 or C401XL or C402 or C402XL or C403 or C405 or C407 or C403 PRO or C404 PRO or C405 PRO or C406 PRO or C407 PRO or C408 PRO

or

Loader implement BMS or BRDS or BQU or BF + GF or CGU or TR or TRu or BMSC or CGC or TRC or BT or BR or BC or BF or BMSU or BRU or BFU or CL or BRC or BFC or LC or CG or BP or SG or BB or PCS or LS or PG

or

Implement for telescopic handler loader BMSA or CGA or BTA or TR or BCA or BCDA

or

Feeding bucket BD or GDT

or

Manubal L40 or L400 or L400HD or L500 or L6000 or C30 or C40 or U40 or V40 or V60 or V500 or W500 or V400HD or V5000HD or V7000HD

or

Front linkage R04 or R05 or R06 or R08 or R09 or R10 or R12 or R16 or R20 or R28 or R38

or

Weight M250 or M400 or MM600 or MM900 or MM1200 or MM1500 or MM400AD or MBX or MXS 250 or MXS 400 or MXS 600 or BOX 100L or BOX 150L or MBX XS

or

Multibumper

or

Safety Component OPG

serial number:

please write in the box above the serial number given on the equipment's nameplate.

included in the list of serial numbers 000001001 to 999999365,
is in conformity with the Machinery Directive 2006/42/EC
and with the Supply of Machinery (Safety) Regulations 2008.

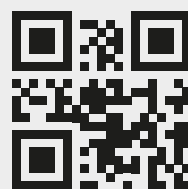
M-extend France SAS, 19 rue de Rennes at Acigné (35690), is authorised to prepare the technical file.

Acigné, 13 October 2025.

B. Gauchenot
CEO



M-extend France : 19 rue de Rennes - 35690 ACIGNÉ



www.m-x.eu

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