

Manual and Components Book

Pallet Bumper

PB

PBO

PBC



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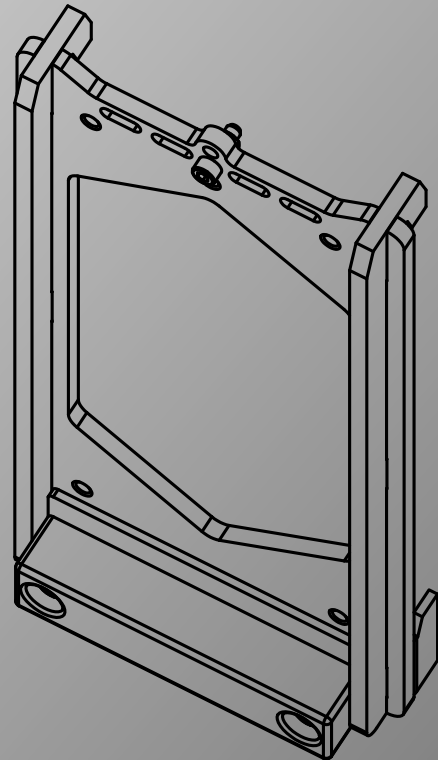


Table of contents

Definitions	2
Note.....	2
(Quality) standards and directives	2
Safety	3
Identification	4
Type description.....	4
Fitting to the forklift truck.....	5
Maintenance schedule for Pallet Bumper	7
Technical data Pallet Bumper.....	7
Appendix: Spare parts for Pallet Bumper	8

Definitions



Warning:

Blocks of text marked with a “Warning” icon (as shown on the left) and starting with the text “**Warning:**” provide information about actions that can result in serious injury.



Important:

Blocks of text marked with an “Important” icon (as shown on the left) and starting with the text “**Important:**” provide information about actions that can result in damage to the Pallet Bumper, components of the Pallet Bumper, or goods.

Note

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Brand names and product names used in this manual but not specifically mentioned here are the brand names of their respective owners.

(Quality) standards and directives

Meijer Handling Solutions B.V. complies with the following quality standard: ISO 9001.

In addition, the Pallet Bumper complies with the following norms and directives:

- ISO 3834-2 Quality requirements for fusion welding of metallic materials - Part 2: Comprehensive quality requirements
- CE (2006/42/EC) – Machine Directive
- ISO 2328 – Fork-lift truck – Hook-on type fork arms and fork arm carriages – Mounting dimensions

Safety



Warning:

The Pallet Bumper is never to be used in ambient temperatures less than -30°C / -22°F or higher than 50°C / 122°F.



Warning:

The Pallet Bumper is only to be used by qualified operators and never by minors.



Warning:

Nothing is ever to be welded to the Pallet Bumper without specific permission from the supplier. If any welding work is done without permission, this will void all warranty.



Warning:

In the event of any defect affecting the Pallet Bumper, it is not to be used until it has been professionally repaired or replaced.



Important:

Use of the Pallet Bumper may restrict the field of vision.

Identification

Type plate symbols:

Type description

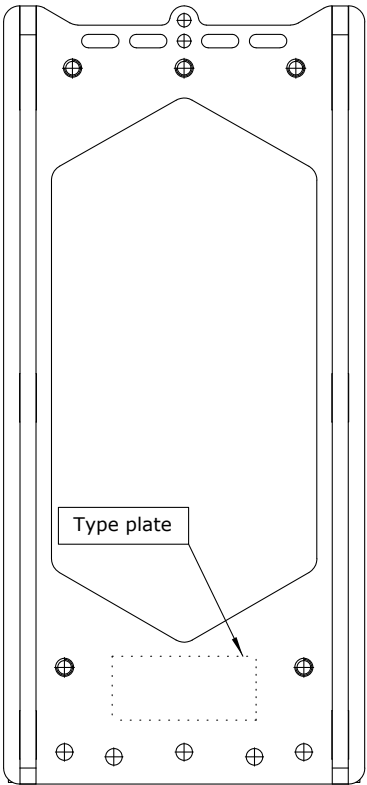
Serial number

Mass

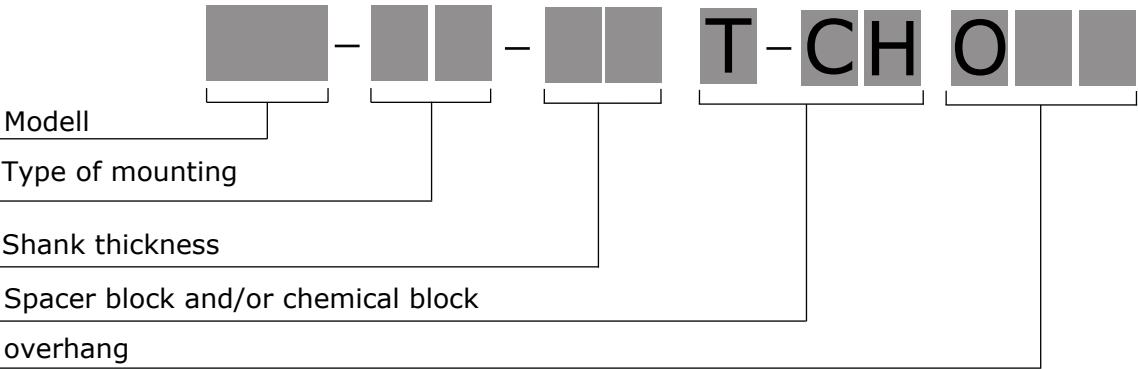
Build year

Additional information

The adjacent illustration shows the position where the type plate is to be found.

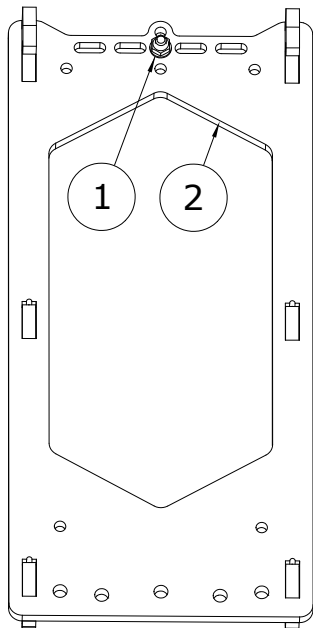


Type Description



Fitting to the forklift truck

1



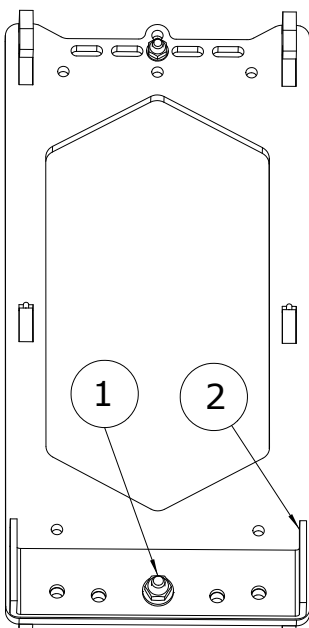
Centre the pallet bumper on the carriage plate using the positioning bolt (pos. 1).

	Description	Product no.	Quantity
1	Allen bolt M8x25*	07160 M8x25	1
	Nut M8*	01300 M8	1
	Washer M8*	MSE-21102000400	1
2	Weld composition FEM X**	**	1

* For a Class 3 suspension, this is M10

** Depending on the type of suspension of the fork-lift truck

2



Fix the Pallet Bumper to the carriage plate by attaching the suspension bracket (pos. 2).

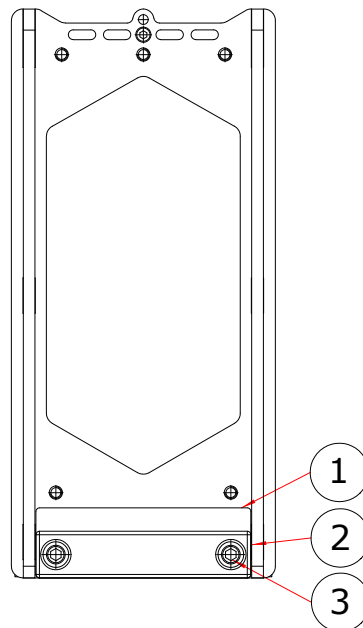
	Description	Product no.	Quantity
1	Allen bolt M10	07160 M10x35	1
	Nut M10	01300 M10	1
	Spring washer M10	37020 M10	1
	Washer M10	RE0090002	1
2	suspension bracket	*	1

* Depending on the type of suspension of the fork-lift truck



Please note: see detail 1 for the assembly sequence of the Allen bolt, nut, spring washer and washer.

3



Fit the impact block (pos. 2) to the pallet bumper using the supplied bolt sets (pos. 3). NB: An extra adjusting plate (Pos. 1) is supplied for each fork shank thickness, and this can be used if the pallet still touches the base of the fork.

	Description	Product no.	Quantity
1	Adjusting plate 5mm	10088948	1*
2	Plastic block 184xY* \times 35	**	1
3	Allen bolt M10xY*	**	2
	Spring washer M10	37020 M10	2
	Washer M10	RE0090002	2
	Nut M10	01300 M10	2

* Y depends on the fork shank thickness.

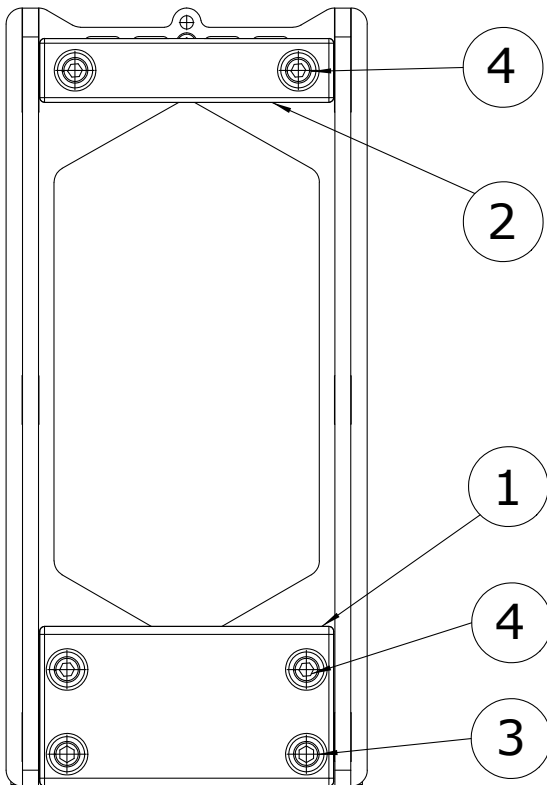
** Depending on the fork shank thickness



Please note: see detail 1 for the assembly sequence of the Allen bolt, nut, spring washer and washer.

4

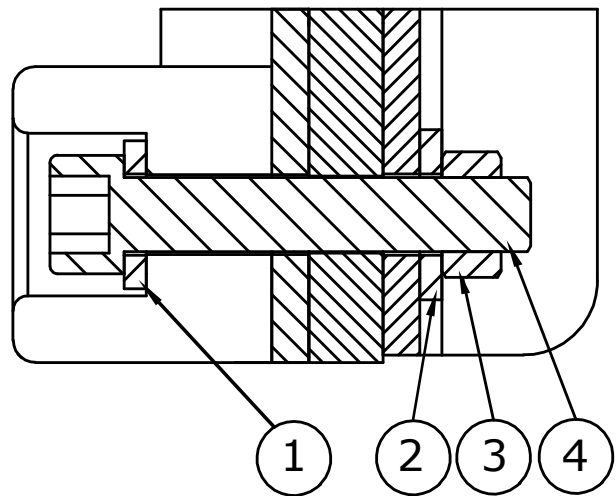
The following assembly step applies only to the use of a bottom block (pos. 1) and a top block (pos. 2)



The bottom block is fixed in place at four points. The bottom two are the same as in step 3. The top two should be fixed with Loctite 243. The top block should also be fixed with Loctite 243.

Detail 1

The assembly sequence for the Allen bolt (pos. 4), nut (pos. 3), washer (pos. 1) and spring washer (pos. 2) can be seen in the illustration below.



	Description	Product no.	Quantity
1	Plastic block 184×100×35	10088755	1
	Adjusting plate high block	10089457	1**
2	Plastic block 184×40×35	10089458	1
	Adjusting plate, top side	10089688	1**
3	Allen bolt M10×Y*	**	2
	Spring washer M10	37020 M10	2
	Washer M10	RE0090002	2
	Nut M10	01300 M10	2
4	Allen bolt M10×Z*	**	4



* Y and Z depend on the fork shank thickness.

** Depending on the fork shank thickness



Please note: see detail 1 for the assembly sequence of the Allen bolt, nut, spring washer and washer.

Maintenance schedule for Pallet Bumper

Nº	Description	Every month	Every half year
1.	Visual inspection of the pallet bumper		
2.	Check for wear and whether plastic block needs replacing.		

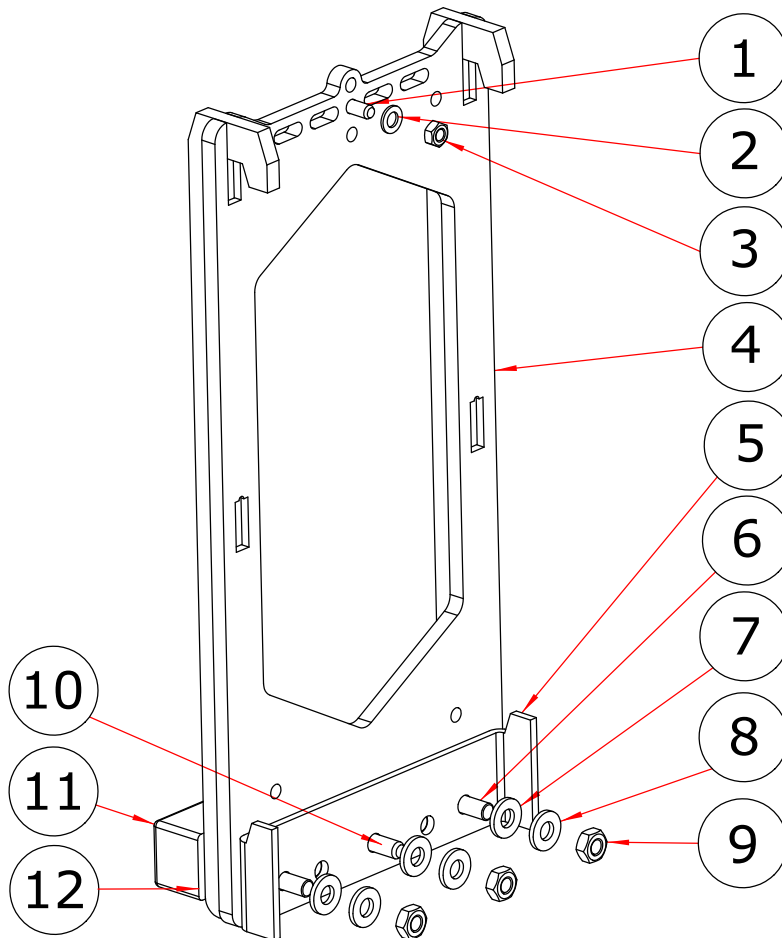
Maintenance of the pallet bumper is to be carried out by authorised personnel at a place where the fork-lift truck is maintained.

Technical data Pallet Bumper

The table below shows the height, width and weight of the various pallet bumpers. Minimum and maximum values are given for the weight. The weight depends on the plastic blocks used.

Type of Pallet Bumper	Height [mm]	Width [mm]	Weight [kg]
Pallet Bumper 2A	487	226	6.9 - 8.3
Pallet Bumper 2B	563	226	8.7 - 10.1
Pallet Bumper 3A	590	256	9.0-10.3
Pallet Bumper 3B	715	256	12.2 - 13.6

Appendix: Spare parts for Pallet Bumper



Pos. no.	Description	Product no.	Quantity
1	Allen bolt M8x25	07160 M8x25	1
2	Washer M8	MSE-2110200400	1
3	Nut M8	01300 M8	1
4	Weld composition Fem X**	*	1
5	Suspension bracket X**	*	1
6	Allen bolt M10xY***	*	2
7	Washer M10	RE0090002	3
8	Spring washer M10	37020 M10	3
9	Nut M10	01300 M10	3
10	Allen bolt M10x35	07160 M10x35	1
11	Plastic block 184xY***x35	*	1
12	Spacer 5 mm	10088948	***

#The product no. depends on the specific model. Please give the serial no. when ordering components.

**Depending on the type of suspension of the fork-lift truck.

*** Depending on the fork shank thickness.

