



EVENT & REMOVAL RAMPS  
RAMPS  
BRIDGES  
TAIL LIFTS  
GANGWAYS

**LOADING SYSTEMS  
IN ALUMINIUM ALLOY**

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**GENERAL CATALOGUE**



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# C O M P A N Y

Skilled professionals manually carry out welding procedures that are not performed by automatic systems: the combination of state-of-the-art technology and human professionalism ensures excellent results.



The warehouses storing raw materials and semi-finished products, managed as safety stock by the material requirements planning system (MRP), allow the company to produce even non-standard systems in a short amount of time.

## MARKET LEADER: LOADING SYSTEMS IN ALUMINIUM ALLOY



The large headquarters at Mapello (BG), Italy, with over 4000 sqm dedicated to production and warehouses.

With more than twenty years of experience in the design, production and sale of aluminium alloy loading and unloading systems, METALMEC has risen to the position of market leader in Italy and ranks as one of the best in Europe. The professional expertise gained from working with the best primary aluminium alloys, moulding and welding to the highest quality standards, allows us to offer a wide range of strong,

lightweight systems to ensure the safe, easy movement of goods and people in everyday work situations and in overcoming architectural barriers (obstacles such as steps, pavements or construction site trenches). We provide high-quality, reliable and durable solutions for a wide variety of applications and sectors. Quality and professionalism make the difference – they are our strength.



The 600 KN press in the test area, used for destructive tests on prototypes prior to starting production and for the certification of finished products.



The added value of the design process becomes a reality with exclusive primary aluminium alloy profiles engineered and produced to our specifications by qualified, certified suppliers: A considerable yet necessary investment in order to ensure that the mechanical and functional performance of our products fulfils what we promise.

## DESIGN BEFORE CREATION: A GUARANTEE OF SAFETY



Careful analyses in the product design and prototyping stages are essential for achieving an excellent final result.

Whatever your loading or unloading needs, our range is sure to offer you a solution that will guarantee you the best in terms of safety, as the implications of using these products are not to be underestimated. Whether you are moving a 50-tonne vehicle or simply moving equipment manually, the consequences of a fall or slip can be disastrous.

Being aware of these risks, we design and manufacture our systems in strict accordance with the relevant regulations. When it comes to the approval stage, our products are tested at twice the stated loading capacity (safety factor of 2.1). We have our very own on-site test area, where we carry out destructive tests on our products to check the

reliability of the structural calculations made during the design stage, prior to starting production. The products authorised with a specific logo have also been verified and certified by specialists from a notified body at international level.

Each one of our products is supplied with an Instruction and Warning Manual and the respective manufacturer's Declaration of Conformity (please note that products in the categories "event & removal ramps", "ramps", "gangways", "bridges" and "tail lifts" are not subject to CE certification).

As well as the product certification, Metalmec has also been given certification for its in-house quality management system.



Product certification  
RANGES: HLS – HS – M030 – M040 – M050 – M055 – M055P – M060 – M065 – M065P – M074 – M076 – M085 – M100 – M115 – M125 – M140 – M150 – M160 – M170 – M185 – M200 – M230 – M120S – M105F – M120F – M130F – SH – MP – MPP – MPI – MPPI – MPC – MPCP – MPCL



Quality management system certification  
ISO 9001:2015



Specially designed robotic systems flawlessly perform several stages of the production process, ensuring maximum quality in series production.



The strength of the company and our commitment to innovation enable us to continually invest in the latest technologies to support our production process.



Careful preparation of the products prior to delivery ensures that they are not damaged during shipping.

## LEAN MANUFACTURING: STATE-OF-THE-ART TECHNOLOGY AND SKILLED PERSONNEL



The large warehouse storing finished products allows us to reduce delivery times and arrange quick shipment of goods around the world.

The internal production process is organised such that we can respond quickly and flexibly to the frequent changes in production owing to the wide range of systems included in the catalogue, while maintaining the quality and timings demanded by the market. Manufacturing processes performed by modern automated equipment alternate with manual processes carried out by skilled personnel.

The result is a product that we love to describe as "artisan"; perfectly suited to the specific requirements of the application, with careful management of any customisation or special production requested by the client. Careful finishing, automated packing and well-organised logistics ensure that the product is delivered by the agreed deadline.



# EVENT & REMOVAL RAMPS AND LOADING RAMPS



The wide range of event & removal ramps and loading ramps produced by Metalmecc has been studied, designed and manufactured to fully meet the professional requirements for loading and unloading vehicles and equipment. It covers numerous fields of application, ranging from logistics, earthmoving, gardening and agricultural cultivation through to domestic and other non-professional use.

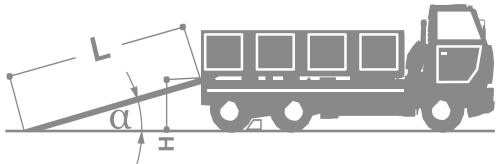
With the ability to move vehicles with rubber tyres or steel tracks, weighing from 300 kg to 58,000 kg (motorcycles, cars, gardening machinery, tractors, excavators, aerial platforms, etc.), our range of standard or customised products is sure to provide you with a solution that will guarantee you the best in terms of quality, durability and safety.

## HOW TO DETERMINE THE LENGTH OF THE EVENT & REMOVAL RAMP OR LOADING RAMPS

During use, the inclination ( $\alpha$ ) of the event & removal ramp or loading ramps must not exceed a maximum slope of 30% (approx. 16.5°). In order to establish the minimum length (L) of the event & removal ramp or loading ramps to a good approximation, apply the following formula:

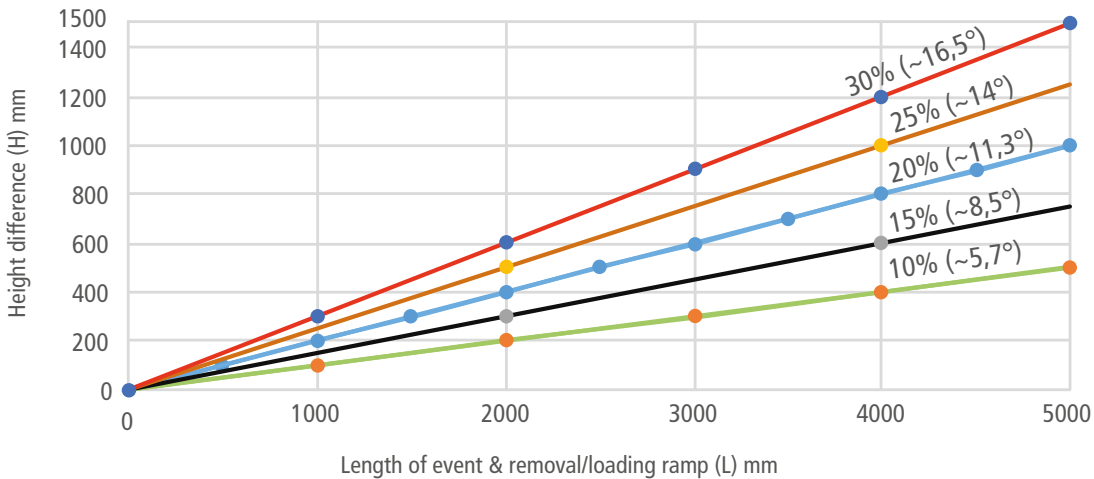
$$\text{LENGTH OF EVENT \& REMOVAL/LOADING RAMP IN MILLIMETRES (L)} = \frac{\text{HEIGHT DIFFERENCE IN MILLIMETRES (H)} \times 100}{\% \text{ MAXIMUM SLOPE } (\alpha)}$$

Height difference (H) refers to the height of the loading bed from the ground.



EXAMPLE: Let's assume we need to overcome a height difference (H) of 1200 mm. By applying the formula indicated above, we obtain:  
 LENGTH OF EVENT & REMOVAL/LOADING RAMP IN MILLIMETRES (L) = 1200 mm x 100 / 30 = 4000 mm

The diagram clearly shows the dimensions used to determine the length of the event & removal ramp or loading ramps and their interrelationships expressed by the formula above.



## NOTES

- If you would like an event & removal ramp or pair of ramps that are longer (and therefore less steep) than the minimum length obtained using the calculation formula above, please specify as the bottom end of the ramp will need to be adapted to fit the resulting lower inclination.
- The loading capacities indicated in the following tables refer to uniformly distributed loads according to the wheelbase indicated and the width of the ramp. The more concentrated the load (or the smaller the wheelbase), the lower the loading capacity; a product with a larger nominal loading capacity should therefore be selected.
- For vehicles with steel tracks, ramps with a loading capacity at least 15% greater than the weight of the vehicle itself must be used.
- The lengths indicated in the following tables are approximate (the length varies depending on the head connection selected); if you require more precise measurements, please contact us directly.
- The instructions for use and maintenance are described in the instruction and warning manual supplied with the product.
- The manufacturer's declaration of conformity is an integral part of the instruction and warning manual.
- For all information regulating the supply of these products, please refer to the manufacturer's General Conditions of Sale at the following website: [www.metalmeccsrl.it](http://www.metalmeccsrl.it).

## OPTIONS

- Event & removal ramps and loading ramps are supplied as standard with the standard head connection. Other head models are available on request, depending on different application needs; head with hook, support or tube.
- Event & removal ramps and loading ramps are supplied as standard with anchoring systems on the standard loading bed, which differ according to product family. On request, the product can be configured with the anchoring systems available.
- Further information about the available options is provided on the following product pages. If this is not sufficient, please contact us directly.

SKIP RAMPS

M055P-M065P



EVENT & REMOVAL RAMPS

MPC



PRODUCT FAMILY:  
**M055P-M065P**

MAX. LOADING CAPACITY:  
**300 kg**

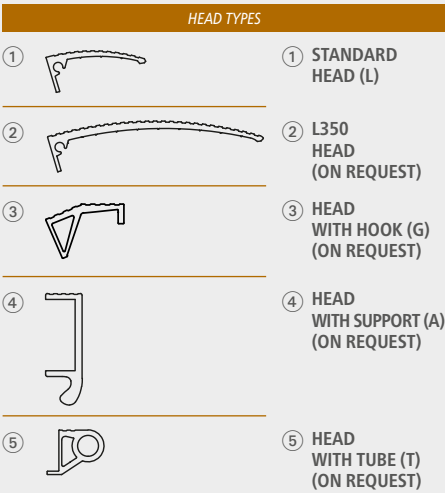
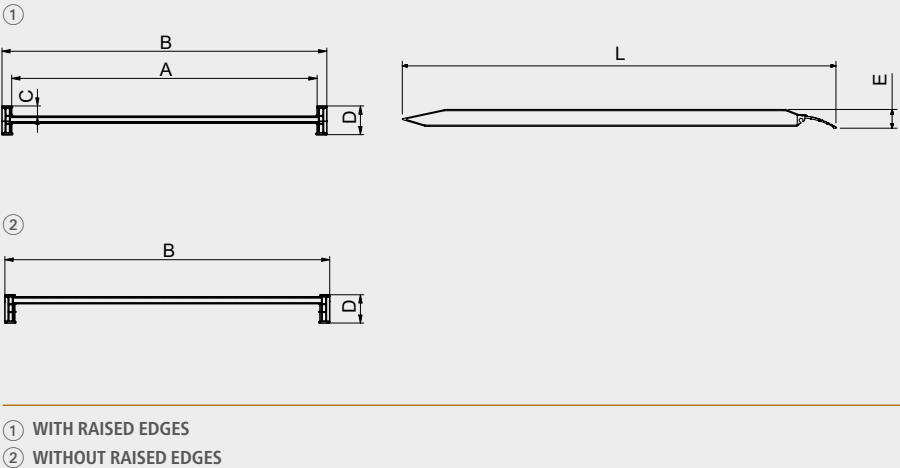
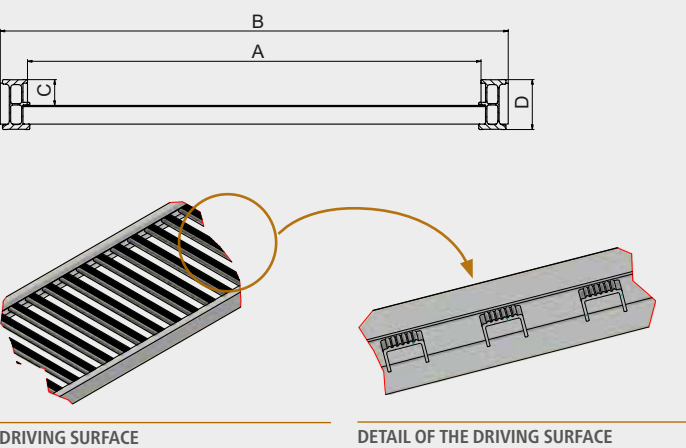
The M055P-M065P range of skip ramps, particularly suited to the fields of construction and gardening, has been designed for any application that requires the use of manual wheelbarrows in the loading and unloading of materials. The gaps in the driving surface not only allow the easy drainage of water or snow, but also have a self-cleaning effect on the dirt-covered wheels of the equipment, thereby guaranteeing good grip during use. The shoes of the user also benefit from this effect. This lightweight, easy-to-handle product is built with raised edges.



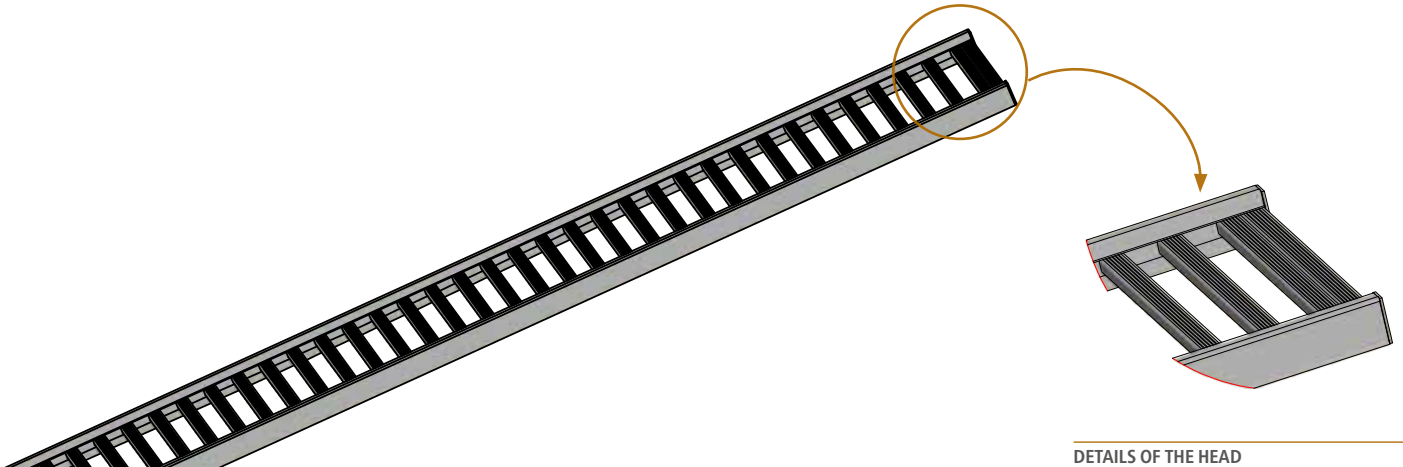
PRODUCT FAMILY:  
**MPC**

MAX. LOADING CAPACITY:  
**1.000 kg**

This type of event & removal ramp, made with a special non-slip driving surface, is particularly suited to any sector that uses manual pallet trucks or hand-pushed trolleys or equipment with small rubber wheels for loading and unloading work. Logistics companies specialising in removals, beverage delivery or event organisation are just a few examples of potential users of this product range. The range is made with or without raised edges and the product is supplied with the required anchoring tabs.



| Model    | Item code     | Loading capacity<br>kg | Length<br>L mm | Internal width<br>A mm | External width<br>B mm | Height of raised edge<br>C mm | Height of ramp profile<br>D mm | Weight per piece<br>kg |
|----------|---------------|------------------------|----------------|------------------------|------------------------|-------------------------------|--------------------------------|------------------------|
| M055P/30 | MM451B0.56.30 | 300                    | 3000           | 500                    | 560                    | 28,5                          | 55                             | 17                     |
| M055P/40 | MM451B0.56.40 | 300                    | 4000           | 500                    | 560                    | 28,5                          | 55                             | 22                     |
| M065P/50 | MM451B0.56.50 | 300                    | 5000           | 500                    | 560                    | 28,5                          | 65                             | 30                     |
| M065P/57 | MM451B0.56.57 | 300                    | 5700           | 500                    | 560                    | 28,5                          | 65                             | 34                     |

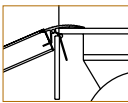


DETAILS OF THE HEAD

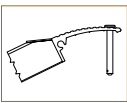
| Model             | Item code         |                      | Loading capacity kg with 1000 mm wheelbase | Length<br>L mm | Internal width<br>A mm | External width<br>B mm | Height of raised edge<br>C mm | Height of ramp profile<br>D mm | Ramp dimension with raised edges<br>E* mm | Weight per piece<br>kg |
|-------------------|-------------------|----------------------|--------------------------------------------|----------------|------------------------|------------------------|-------------------------------|--------------------------------|-------------------------------------------|------------------------|
|                   | with raised edges | without raised edges |                                            |                |                        |                        |                               |                                |                                           |                        |
| MPC1800.750.1000  | MM402BL.07.18     | MM402SL.07.18        | 1000                                       | 1791           | 690                    | 750                    | 29                            | 65                             | 83                                        | 21                     |
| MPC2000.750.1000  | MM402BL.07.20     | MM402SL.07.20        | 1000                                       | 1991           | 690                    | 750                    | 29                            | 65                             | 83                                        | 24                     |
| MPC2400.750.1000  | MM402BL.07.24     | MM402SL.07.24        | 1000                                       | 2391           | 690                    | 750                    | 29                            | 85                             | 91                                        | 29                     |
| MPC2600.750.1000  | MM402BL.07.26     | MM402SL.07.26        | 1000                                       | 2591           | 690                    | 750                    | 29                            | 85                             | 91                                        | 32                     |
| MPC3000.750.1000  | MM402BL.07.30     | MM402SL.07.30        | 1000                                       | 2991           | 690                    | 750                    | 29                            | 100                            | 100                                       | 37                     |
| MPC3600.750.1000  | MM402BL.07.36     | MM402SL.07.36        | 1000                                       | 3591           | 690                    | 750                    | 29                            | 115                            | 115                                       | 45                     |
| MPC1800.1000.1000 | MM402BL.10.18     | MM402SL.10.18        | 1000                                       | 1791           | 940                    | 1000                   | 29                            | 65                             | 83                                        | 27                     |
| MPC2000.1000.1000 | MM402BL.10.20     | MM402SL.10.20        | 1000                                       | 1991           | 940                    | 1000                   | 29                            | 65                             | 83                                        | 30                     |
| MPC2400.1000.1000 | MM402BL.10.24     | MM402SL.10.24        | 1000                                       | 2391           | 940                    | 1000                   | 29                            | 85                             | 91                                        | 37                     |
| MPC2600.1000.1000 | MM402BL.10.26     | MM402SL.10.26        | 1000                                       | 2591           | 940                    | 1000                   | 29                            | 85                             | 91                                        | 40                     |
| MPC3000.1000.1000 | MM402BL.10.30     | MM402SL.10.30        | 1000                                       | 2991           | 940                    | 1000                   | 29                            | 100                            | 100                                       | 46                     |
| MPC3600.1000.1000 | MM402BL.10.36     | MM402SL.10.36        | 1000                                       | 3591           | 940                    | 1000                   | 29                            | 115                            | 115                                       | 56                     |
| MPC4000.1000.1000 | MM402BL.10.40     | MM402SL.10.40        | 1000                                       | 3991           | 940                    | 1000                   | 30                            | 125                            | 125                                       | 66                     |
| MPC4400.1000.1000 | MM402BL.10.44     | MM402SL.10.44        | 1000                                       | 4391           | 940                    | 1000                   | 30                            | 125                            | 125                                       | 72                     |
| MPC5000.1000.1000 | MM402BL.10.50     | MM402SL.10.50        | 1000                                       | 4991           | 940                    | 1000                   | 30                            | 140                            | 140                                       | 85                     |

\* Dimension E of the event & removal ramps without raised edges is the same as the height D of the ramp profile +10mm.

ANCHORING SYSTEMS



**Aluminium tab (standard):** The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the event & removal ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the event & removal ramp during use.



**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the event & removal ramp and the loading bed.

HANDLING SYSTEMS



**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected. Recommended nylon handles for manual handling: 4 pcs each event ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each event ramp.



PRODUCT FAMILY:  
**MPCI**

MAX. LOADING CAPACITY:  
**1.000 kg**

The hinged event & removal ramps, made with a special non-slip driving surface, have been conceived for all users who need a product with a high loading capacity and that allows dimension reduction when not in use during transport with vehicles with small space for its housing. The functional hinge system and the side handles ensure the easy opening and closing of the ramp as well as its handling during loading and unloading operations with manual pallet trucks, hand-pushed trolleys or equipment with small rubber wheels. The range is made with or without raised edges and the product is supplied with the required anchoring tabs.



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① WITH RAISED EDGES

② WITHOUT RAISED EDGES

HEAD TYPES

① STANDARD HEAD (L)

② HEAD WITH HOOK (G) (ON REQUEST)

③ HEAD WITH SUPPORT (A) (ON REQUEST)

④ HEAD WITH TUBE (T) (ON REQUEST)

| Model              | Item code         |                      | Loading capacity kg with 1000 mm wheelbase | Standard length L mm | Folded ramp length L1 mm | Internal width A mm | External width B mm | Height of raised edge C mm | Height of ramp profile D mm | Ramp dimension E mm | Folded ramp dimension F mm | Weight per piece kg |
|--------------------|-------------------|----------------------|--------------------------------------------|----------------------|--------------------------|---------------------|---------------------|----------------------------|-----------------------------|---------------------|----------------------------|---------------------|
|                    | with raised edges | without raised edges |                                            |                      |                          |                     |                     |                            |                             |                     |                            |                     |
| MPCI1800.750.1000  | MM403BL.07.18     | MM403SL.07.18        | 1000                                       | 1812                 | 986                      | 690                 | 750                 | 29                         | 85                          | 116                 | 207                        | 31                  |
| MPCI2000.750.1000  | MM403BL.07.20     | MM403SL.07.20        | 1000                                       | 2012                 | 1051                     | 690                 | 750                 | 29                         | 85                          | 116                 | 207                        | 33                  |
| MPCI2400.750.1000  | MM403BL.07.24     | MM403SL.07.24        | 800                                        | 2412                 | 1251                     | 690                 | 750                 | 29                         | 85                          | 116                 | 207                        | 38                  |
| MPCI2600.750.1000  | MM403BL.07.26     | MM403SL.07.26        | 700                                        | 2612                 | 1386                     | 690                 | 750                 | 29                         | 85                          | 116                 | 207                        | 40                  |
| MPCI3000.750.1000  | MM403BL.07.30     | MM403SL.07.30        | 500                                        | 3012                 | 1586                     | 690                 | 750                 | 29                         | 100                         | 131                 | 237                        | 45                  |
| MPCI1800.1000.1000 | MM403BL.10.18     | MM403SL.10.18        | 1000                                       | 1812                 | 986                      | 940                 | 1000                | 29                         | 85                          | 116                 | 207                        | 39                  |
| MPCI2000.1000.1000 | MM403BL.10.20     | MM403SL.10.20        | 1000                                       | 2012                 | 1051                     | 940                 | 1000                | 29                         | 85                          | 116                 | 207                        | 42                  |
| MPCI2400.1000.1000 | MM403BL.10.24     | MM403SL.10.24        | 800                                        | 2412                 | 1251                     | 940                 | 1000                | 29                         | 85                          | 116                 | 207                        | 48                  |
| MPCI2600.1000.1000 | MM403BL.10.26     | MM403SL.10.26        | 700                                        | 2612                 | 1386                     | 940                 | 1000                | 29                         | 85                          | 116                 | 207                        | 50                  |
| MPCI3000.1000.1000 | MM403BL.10.30     | MM403SL.10.30        | 500                                        | 3012                 | 1586                     | 940                 | 1000                | 29                         | 100                         | 131                 | 237                        | 57                  |

ANCHORING SYSTEMS

Aluminium tab (standard): The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the event & removal ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the event & removal ramp during use.

Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the event & removal ramp and the loading bed.

HANDLING SYSTEMS

Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected. Recommended nylon handles for manual handling: 4 pcs each event ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each event ramp.

PRODUCT FAMILY:  
**MPCP**

MAX. LOADING CAPACITY:  
**2.000 kg**

This innovative type of event & removal ramp is particularly suited to any sector that uses electric pallet trucks for loading and unloading work thanks to its high loading capacity and the outstanding grip of its driving surface. Logistics and manufacturing companies are just a few examples of potential users of this product range. The range is made with or without raised edges and the product is supplied with the required anchoring tabs.



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① WITH RAISED EDGES

② WITHOUT RAISED EDGES

HEAD TYPES

① STANDARD HEAD (L)

② L350 HEAD (ON REQUEST)

③ HEAD WITH HOOK (G) (ON REQUEST)

④ HEAD WITH SUPPORT (A) (ON REQUEST)

⑤ HEAD WITH TUBE (T) (ON REQUEST)

| Model              | Item code         |                      | Loading capacity kg with 1000 mm wheelbase | Standard length L mm | Internal width A mm | External width B mm | Height of raised edge C mm | Height of ramp profile D mm | Weight per piece kg |
|--------------------|-------------------|----------------------|--------------------------------------------|----------------------|---------------------|---------------------|----------------------------|-----------------------------|---------------------|
|                    | with raised edges | without raised edges |                                            |                      |                     |                     |                            |                             |                     |
| MPCP1800.1000.2000 | MM411BL.10.18     | MM411SL.10.18        | 2000                                       | 1791                 | 940                 | 1000                | 29                         | 115                         | 34                  |
| MPCP2000.1000.2000 | MM411BL.10.20     | MM411SL.10.20        | 2000                                       | 1991                 | 940                 | 1000                | 29                         | 115                         | 38                  |
| MPCP2400.1000.2000 | MM411BL.10.24     | MM411SL.10.24        | 2000                                       | 2391                 | 940                 | 1000                | 30                         | 125                         | 47                  |
| MPCP2600.1000.2000 | MM411BL.10.26     | MM411SL.10.26        | 2000                                       | 2591                 | 940                 | 1000                | 30                         | 125                         | 51                  |
| MPCP3000.1000.2000 | MM411BL.10.30     | MM411SL.10.30        | 2000                                       | 2991                 | 940                 | 1000                | 31                         | 140                         | 60                  |
| MPCP3600.1000.2000 | MM411BL.10.36     | MM411SL.10.36        | 2000                                       | 3591                 | 940                 | 1000                | 42                         | 150                         | 74                  |
| MPCP4000.1000.2000 | MM411BL.10.40     | MM411SL.10.40        | 2000                                       | 3991                 | 940                 | 1000                | 43                         | 160                         | 86                  |
| MPCP4400.1000.2000 | MM411BL.10.44     | MM411SL.10.44        | 2000                                       | 4391                 | 940                 | 1000                | 43                         | 170                         | 97                  |

ANCHORING SYSTEMS

Aluminium tab (standard): The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the event & removal ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the event & removal ramp during use.

Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the event & removal ramp and the loading bed.

HANDLING SYSTEMS

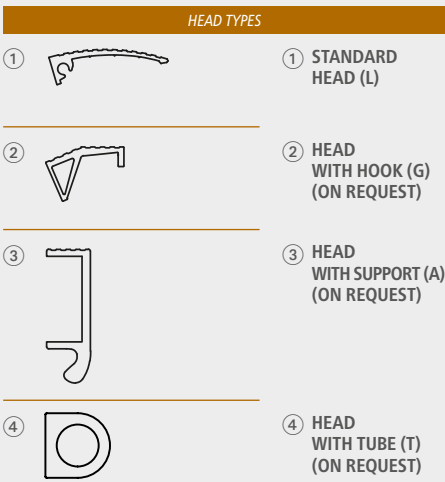
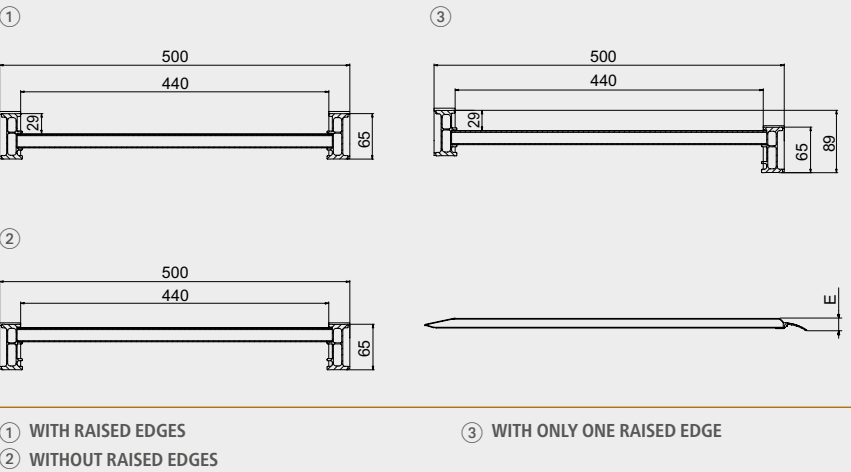
Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected. Recommended nylon handles for manual handling: 4 pcs each event ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each event ramp.

LOADING RAMPS

PRODUCT FAMILY:  
**MPCL**

MAX. LOADING CAPACITY  
PER PAIR:  
**3.000 kg**

This range of ramps, made with a special non-slip driving surface, can be used individually or in pairs and is particularly suitable for moving small equipment with rubber wheels or tracks. The range is available with different types of head connections depending on the use and is made with raised edges, without raised edges or with only one raised edge. The product is supplied with the required anchoring tabs.



| Model                                                                                   | Item code         |                         | Loading capacity<br>per pair kg<br>with 1000 mm<br>wheelbase | Individual<br>loading capacity<br>kg with 1000 mm<br>wheelbase | Standard<br>length<br>mm | Length<br>with head<br>type 2<br>mm | Length<br>with head<br>type 3<br>mm | Length<br>with head<br>type 4<br>mm | Standard ramp<br>dimension with<br>raised edges<br>E mm | Standard ramp<br>dimension without<br>raised edges<br>E mm | Weight<br>per pair<br>kg |
|-----------------------------------------------------------------------------------------|-------------------|-------------------------|--------------------------------------------------------------|----------------------------------------------------------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|---------------------------------------------------------|------------------------------------------------------------|--------------------------|
|                                                                                         | with raised edges | without raised<br>edges |                                                              |                                                                |                          |                                     |                                     |                                     |                                                         |                                                            |                          |
| MPCL065/16                                                                              | MM430BL.50.16     | MM430SL.50.16           | 3000                                                         | 1500                                                           | 1591                     | 1541                                | 1443                                | 1485                                | 88                                                      | 72                                                         | 29                       |
| MPCL065/18                                                                              | MM430BL.50.18     | MM430SL.50.18           | 2000                                                         | 1000                                                           | 1791                     | 1741                                | 1643                                | 1685                                | 88                                                      | 72                                                         | 32                       |
| MPCL065/20                                                                              | MM430BL.50.20     | MM430SL.50.20           | 2000                                                         | 1000                                                           | 1991                     | 1941                                | 1843                                | 1885                                | 88                                                      | 72                                                         | 35                       |
| MPCL065/24                                                                              | MM430BL.50.24     | MM430SL.50.24           | 1300                                                         | 650                                                            | 2391                     | 2341                                | 2243                                | 2285                                | 88                                                      | 72                                                         | 42                       |
| MPCL065/26                                                                              | MM430BL.50.26     | MM430SL.50.26           | 1300                                                         | 650                                                            | 2591                     | 2541                                | 2443                                | 2485                                | 88                                                      | 72                                                         | 45                       |
| MPCL065/30                                                                              | MM430BL.50.30     | MM430SL.50.30           | 1000                                                         | 500                                                            | 2991                     | 2941                                | 2843                                | 2885                                | 88                                                      | 72                                                         | 51                       |
| MPCL065/36                                                                              | MM430BL.50.36     | MM430SL.50.36           | 800                                                          | 400                                                            | 3591                     | 3541                                | 3443                                | 3485                                | 88                                                      | 72                                                         | 61                       |
| MPCL065/40                                                                              | MM430BL.50.40     | MM430SL.50.40           | 660                                                          | 330                                                            | 3991                     | 3941                                | 3843                                | 3885                                | 88                                                      | 72                                                         | 67                       |
| Minimum width of the wheel or track 100 mm. Maximum width of the wheel or track 420 mm. |                   |                         |                                                              |                                                                |                          |                                     |                                     |                                     |                                                         |                                                            |                          |
| The range is available with only one raised edge.                                       |                   |                         |                                                              |                                                                |                          |                                     |                                     |                                     |                                                         |                                                            |                          |

ANCHORING SYSTEMS

**Aluminium tab (standard):** The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.

**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS

**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

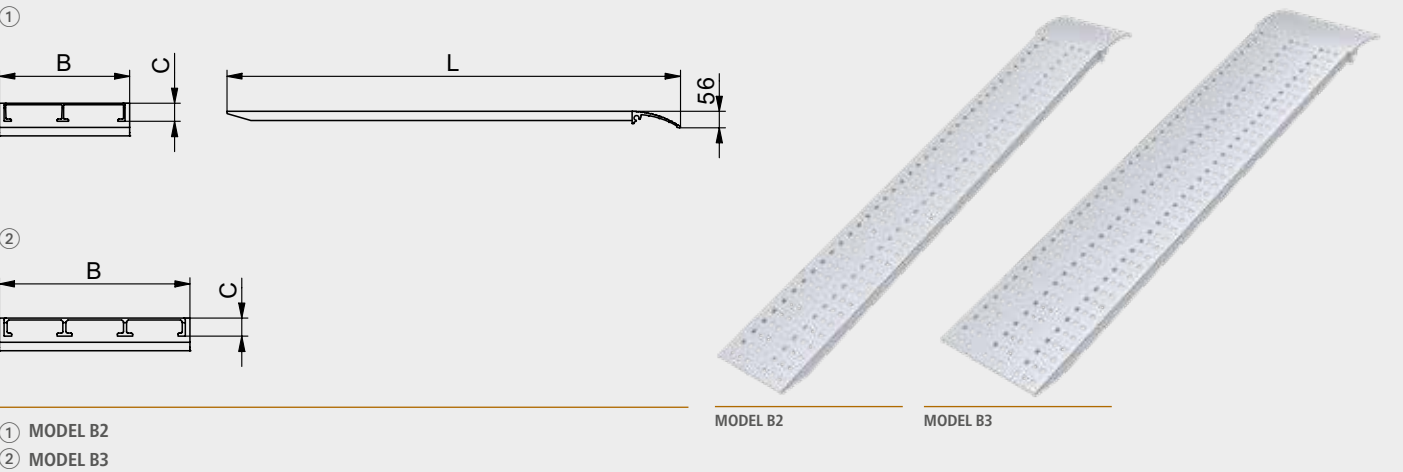
Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

PRODUCT FAMILY:  
**HLS HS  
STRAIGHT AND CURVED**

MAX. LOADING CAPACITY  
PER PAIR:  
**1.000 kg**

This range of products has been conceived, developed and manufactured for all users who need to combine good loading capacity with a lightweight, easy-to-handle product for non-professional applications. The unique holes in the aluminium profile give the ramps both outstanding grip and the ability to easily drain troublesome elements such as water and snow. The features of these products are particularly beneficial in the DIY/hobby sector, lending themselves to any loading or unloading work involving equipment with rubber wheels, such as hand-pushed trolleys, lawnmowers, motorcycles, quad bikes, etc. The curved range provides the same performance as the straight range, but is particularly suitable for use with vehicles that have limited space between their underside and the ground (often due to having small wheels), allowing the user to clear heights of up to 900 mm without obstruction.



| Model        | Item code     | Loading capacity per pair kg |           |           |            |            | Length<br>L mm | External<br>width<br>B mm | Height of<br>ramp profile<br>C mm | Min./max.<br>loading<br>height | Weight<br>per pair<br>kg |
|--------------|---------------|------------------------------|-----------|-----------|------------|------------|----------------|---------------------------|-----------------------------------|--------------------------------|--------------------------|
|              |               | Wheelbase                    |           |           |            |            |                |                           |                                   |                                |                          |
|              |               | 0<br>mm                      | 500<br>mm | 750<br>mm | 1000<br>mm | 1250<br>mm |                |                           |                                   |                                |                          |
| M030B2HLS/15 | MM010S0.20.15 | 350                          | 425       | 500       | 600        | 600        | 1500           | 215                       | 30                                | 350 / 450                      | 8,0                      |
| M030B2HLS/20 | MM010S0.20.20 | 230                          | 280       | 350       | 400        | 500        | 1990           | 215                       | 30                                | 460 / 600                      | 10,0                     |
| M030B2HS/15  | MM012S0.20.15 | 500                          | 600       | 650       | 700        | 700        | 1500           | 215                       | 30                                | 350 / 450                      | 10,5                     |
| M030B2HS/20  | MM012S0.20.20 | 400                          | 550       | 600       | 650        | 700        | 1990           | 215                       | 30                                | 460 / 600                      | 14,0                     |
| M030B3HS/15  | MM014S0.30.15 | 800                          | 1000      | 1000      | 1000       | 1000       | 1500           | 315                       | 30                                | 350 / 450                      | 16,0                     |
| M030B3HS/20  | MM014S0.30.20 | 650                          | 780       | 900       | 1000       | 1000       | 1990           | 315                       | 30                                | 460 / 600                      | 21,0                     |
| M030B3HS/25  | MM014S0.30.25 | 500                          | 600       | 700       | 800        | 1000       | 2510           | 315                       | 30                                | 610 / 750                      | 26,0                     |
| M040B3HS/30  | MM016S0.30.30 | 700                          | 800       | 900       | 1000       | 1000       | 3000           | 315                       | 40                                | 760 / 900                      | 36,0                     |

ANCHORING SYSTEMS

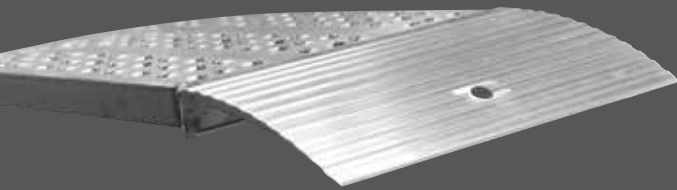
**Aluminium tab (on request):** The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.

**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS

**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

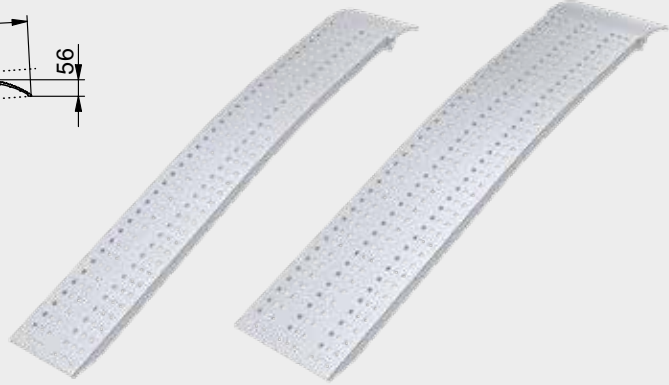
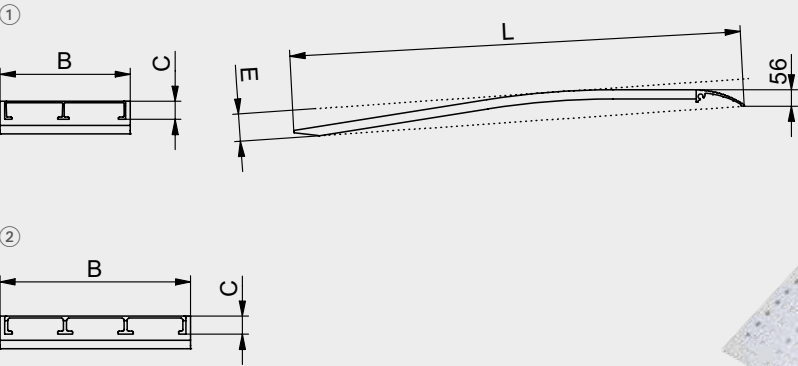
Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.



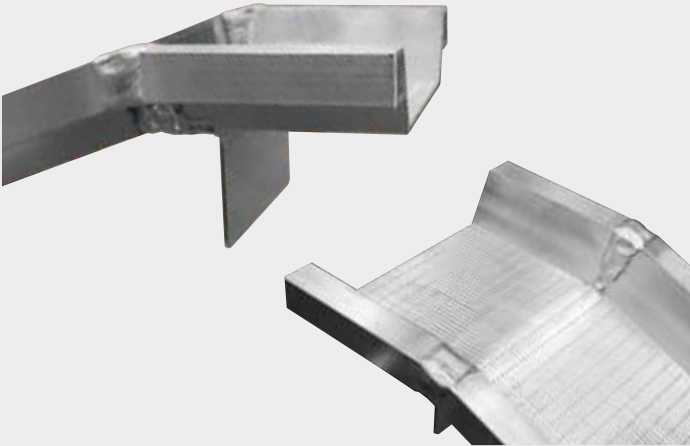
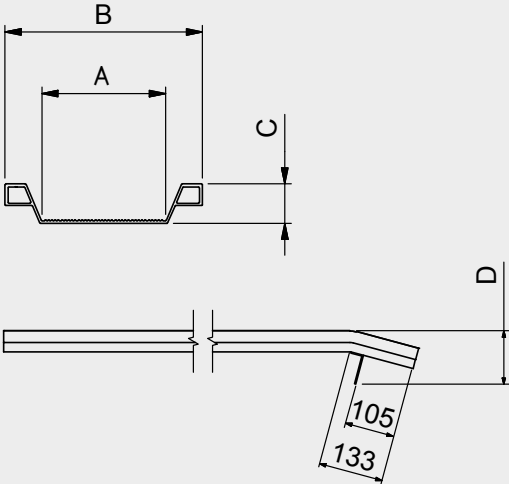
PRODUCT FAMILY:  
**M050**

MAX. LOADING CAPACITY  
PER PAIR:  
**1.500 kg**

These aluminium ramps offer an excellent compromise between high load capacity and low weight. They are robust, easy to handle and have a non-slip surface, obtained through coining. With an internal width of 155 mm and 45 mm high raised containment edges, these ramps are particularly suitable for the safe loading and unloading of motorcycles, electric generators, compressors and other items of equipment. To optimise transport, this range of ramps can be supplied either as the hinged, folding version or as the bayonet coupling version. With the hinged, folding version, the loading capacity reduces to 300 kg per pair for all lengths.



① MODEL B2  
② MODEL B3

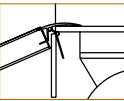


| Model         | Item code     | Loading capacity per pair kg |        |        |         |         | Length | External width B mm | Height of ramp profile C mm | Min./max. loading height | Overall ramp dimensions E mm | Weight per pair kg |
|---------------|---------------|------------------------------|--------|--------|---------|---------|--------|---------------------|-----------------------------|--------------------------|------------------------------|--------------------|
|               |               | Wheelbase                    |        |        |         |         |        |                     |                             |                          |                              |                    |
|               |               | 0 mm                         | 500 mm | 750 mm | 1000 mm | 1250 mm |        |                     |                             |                          |                              |                    |
| M030B2BHLS/15 | MM01150.20.15 | 280                          | 320    | 400    | 540     | 540     | 1492   | 215                 | 30                          | 260 / 380                | 90                           | 8,0                |
| M030B2BHLS/20 | MM01150.20.20 | 200                          | 225    | 280    | 360     | 450     | 1980   | 215                 | 30                          | 390 / 520                | 104                          | 10,0               |
| M030B2BHS/15  | MM01350.20.15 | 400                          | 450    | 520    | 560     | 600     | 1492   | 215                 | 30                          | 260 / 380                | 90                           | 10,5               |
| M030B2BHS/20  | MM01350.20.20 | 320                          | 400    | 480    | 540     | 580     | 1980   | 215                 | 30                          | 390 / 520                | 104                          | 14,0               |
| M030B3BHS/15  | MM01550.30.15 | 640                          | 750    | 850    | 950     | 1000    | 1492   | 315                 | 30                          | 260 / 380                | 90                           | 16,0               |
| M030B3BHS/20  | MM01550.30.20 | 520                          | 580    | 720    | 900     | 1000    | 1980   | 315                 | 30                          | 390 / 520                | 104                          | 21,0               |
| M030B3BHS/25  | MM01550.30.25 | 400                          | 450    | 560    | 720     | 850     | 2499   | 315                 | 30                          | 530 / 650                | 115                          | 26,0               |
| M040B3BHS/30  | MM01750.30.30 | 560                          | 600    | 720    | 900     | 1000    | 2988   | 315                 | 40                          | 660 / 800                | 122                          | 36,0               |

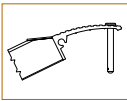
|         |               | Loading capacity per pair kg |           |            |              |                           |                           |                                  |                                    |                          |
|---------|---------------|------------------------------|-----------|------------|--------------|---------------------------|---------------------------|----------------------------------|------------------------------------|--------------------------|
| Model   | Item code     | Wheelbase                    |           |            | Length<br>mm | Internal<br>width<br>A mm | External<br>width<br>B mm | Height of<br>raised edge<br>C mm | Overall ramp<br>dimensions<br>D mm | Weight<br>per pair<br>kg |
|         |               | 0<br>mm                      | 500<br>mm | 1000<br>mm |              |                           |                           |                                  |                                    |                          |
| M050/10 | MM050B0.25.10 | 800                          | 1500      | 1500       | 1000         | 155                       | 246                       | 45                               | 100                                | 9                        |
| M050/15 | MM050B0.25.15 | 800                          | 1479      | 1500       | 1500         | 155                       | 246                       | 45                               | 100                                | 13                       |
| M050/20 | MM050B0.25.20 | 739                          | 986       | 1479       | 2000         | 155                       | 246                       | 45                               | 100                                | 17                       |
| M050/25 | MM050B0.25.25 | 532                          | 665       | 887        | 2500         | 155                       | 246                       | 45                               | 100                                | 20                       |
| M050/30 | MM050B0.25.30 | 419                          | 503       | 628        | 3000         | 155                       | 246                       | 45                               | 100                                | 24                       |
| M050/35 | MM050B0.25.35 | 346                          | 404       | 485        | 3500         | 155                       | 246                       | 45                               | 100                                | 28                       |

With the hinged, folding version, the loading capacity reduces to 300 kg per pair for all lengths.

ANCHORING SYSTEMS



**Aluminium tab (on request):** The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.



**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

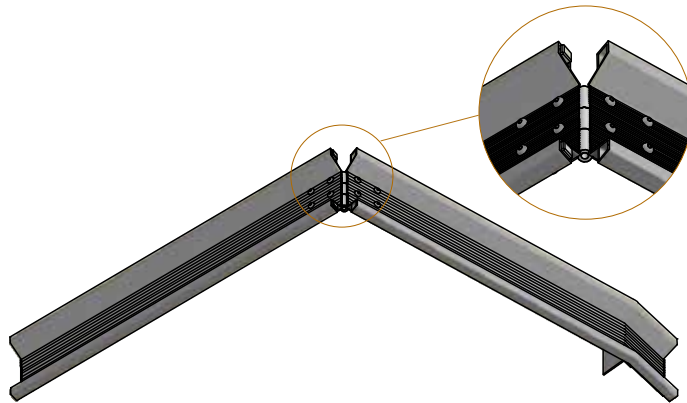


HANDLING SYSTEMS

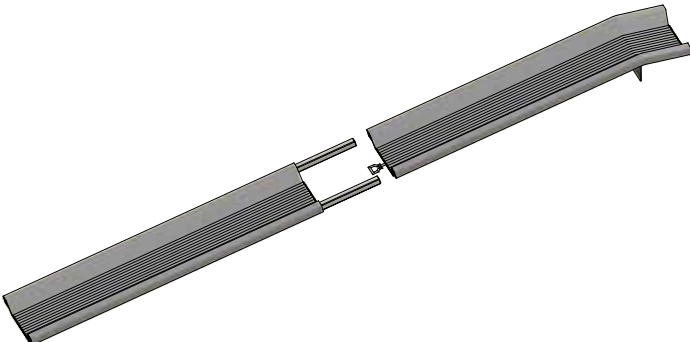


**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.



HINGED VERSION (ON REQUEST)



BAYONET COUPLING VERSION (ON REQUEST)

LOADING RAMPS

M030B2 METALMEC

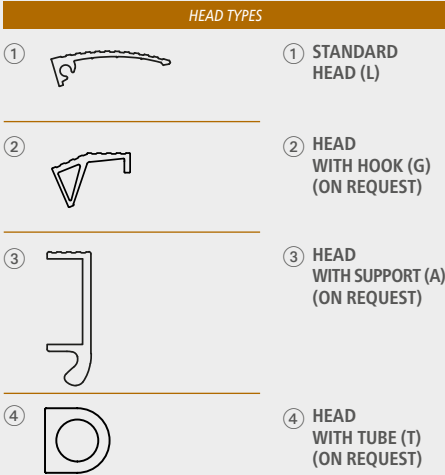
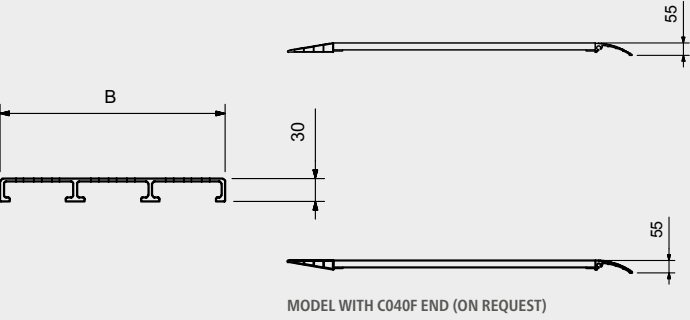
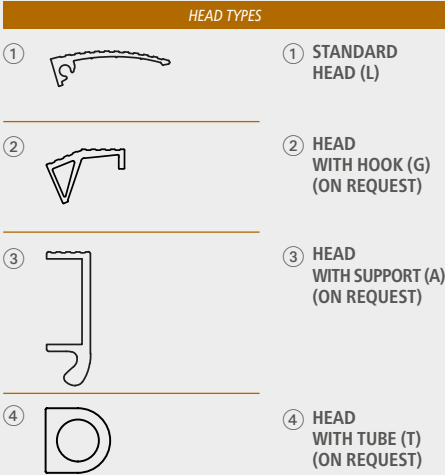
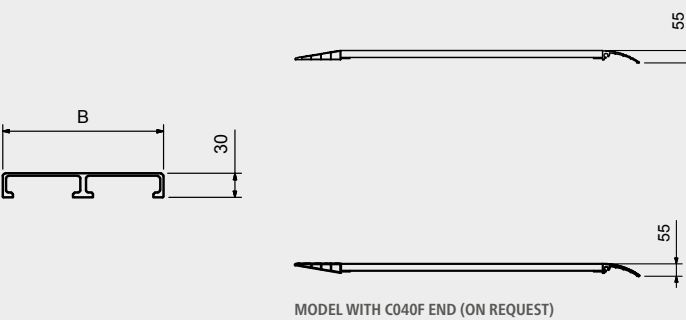
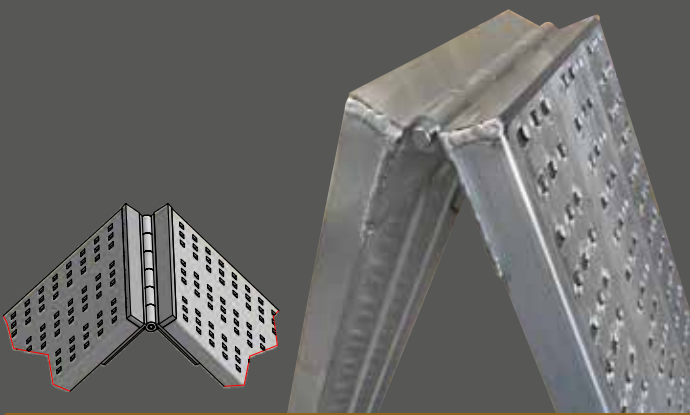
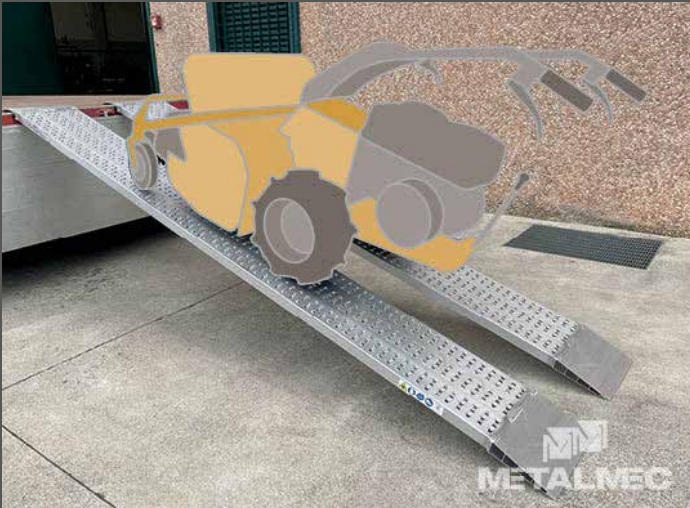
LOADING RAMPS

M030B3 METALMEC

PRODUCT FAMILY:  
**M030 M040**

MAX. LOADING CAPACITY  
PER PAIR:  
**2.900 kg**

This range has been designed to provide maximum loading capacity alongside a very thin profile. The unique holes in the aluminium profile give the ramp both outstanding grip and the ability to easily drain troublesome elements such as water, mud and snow. Thanks to the option of mounting different types of head connections, these ramps lend themselves to various fields of use, from agriculture to construction, logistics to vehicle recovery applications. The range is made without raised edges and the product is supplied with the required anchoring tabs. To optimise transport, this range of ramps can be supplied as the hinged, folding version. Users who do not want any inconsistency in slope between the bottom end of the ramp and the ramp's working surface can request that the product be supplied with a C040F-type end, which addresses this issue.



| Model       | Item code     | Loading capacity per pair kg |        |         | Length mm | External width B mm | Weight per pair kg |
|-------------|---------------|------------------------------|--------|---------|-----------|---------------------|--------------------|
|             |               | 500 mm                       | 750 mm | 1000 mm |           |                     |                    |
| M030B2/15   | MM030SL.20.15 | 830                          | 1107   | 1580    | 1500      | 215                 | 13                 |
| M030B2/20   | MM030SL.20.20 | 553                          | 664    | 830     | 2000      | 215                 | 16                 |
| M030B2/25   | MM030SL.20.25 | 415                          | 474    | 553     | 2500      | 215                 | 19                 |
| M030B2/30   | MM030SL.20.30 | 315                          | 350    | 394     | 3000      | 215                 | 23                 |
| M030B2/35   | MM030SL.20.35 | 249                          | 271    | 298     | 3500      | 215                 | 26                 |
| M030B2/40   | MM030SL.20.40 | 201                          | 216    | 235     | 4000      | 215                 | 29                 |
| M030B2/15/2 | MM030SL.40.15 | 1660                         | 2214   | 2900    | 1500      | 415                 | 24                 |
| M030B2/20/2 | MM030SL.40.20 | 1106                         | 1328   | 1660    | 2000      | 415                 | 30                 |
| M030B2/25/2 | MM030SL.40.25 | 830                          | 948    | 1106    | 2500      | 415                 | 37                 |
| M030B2/30/2 | MM030SL.40.30 | 630                          | 701    | 788     | 3000      | 415                 | 44                 |
| M030B2/35/2 | MM030SL.40.35 | 498                          | 543    | 597     | 3500      | 415                 | 50                 |
| M030B2/40/2 | MM030SL.40.40 | 402                          | 433    | 470     | 4000      | 415                 | 57                 |

Hinged version: 200 kg per pair for all M030B2 models.

| Model       | Item code     | Loading capacity per pair kg |        |         | Length mm | External width B mm | Weight per pair kg |
|-------------|---------------|------------------------------|--------|---------|-----------|---------------------|--------------------|
|             |               | 500 mm                       | 750 mm | 1000 mm |           |                     |                    |
| M030B3/15   | MM035SL.30.15 | 1178                         | 1570   | 2355    | 1500      | 315                 | 18                 |
| M030B3/20   | MM035SL.30.20 | 785                          | 942    | 1178    | 2000      | 315                 | 23                 |
| M030B3/25   | MM035SL.30.25 | 589                          | 673    | 785     | 2500      | 315                 | 28                 |
| M030B3/30   | MM035SL.30.30 | 447                          | 496    | 559     | 3000      | 315                 | 33                 |
| M030B3/35   | MM035SL.30.35 | 353                          | 385    | 423     | 3500      | 315                 | 38                 |
| M030B3/40   | MM035SL.30.40 | 285                          | 307    | 334     | 4000      | 315                 | 43                 |
| M030B3/15/2 | MM035SL.60.15 | 2356                         | 2900   | 2900    | 1500      | 615                 | 35                 |
| M030B3/20/2 | MM035SL.60.20 | 1570                         | 1884   | 2356    | 2000      | 615                 | 45                 |
| M030B3/25/2 | MM035SL.60.25 | 1178                         | 1346   | 1570    | 2500      | 615                 | 55                 |
| M030B3/30/2 | MM035SL.60.30 | 894                          | 993    | 1119    | 3000      | 615                 | 65                 |
| M030B3/35/2 | MM035SL.60.35 | 707                          | 770    | 847     | 3500      | 615                 | 75                 |
| M030B3/40/2 | MM035SL.60.40 | 571                          | 615    | 668     | 4000      | 615                 | 85                 |

Hinged version: 400 kg per pair for all M030B3 models except for the M030B3/35 and M030B3/40 models for which the lower loading capacity in the table must be considered.

ANCHORING SYSTEMS

Aluminium tab (standard): The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.

Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS

Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

ANCHORING SYSTEMS

Aluminium tab (standard): The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.

Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS

Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

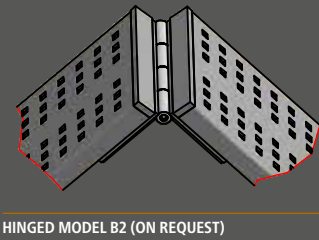
Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

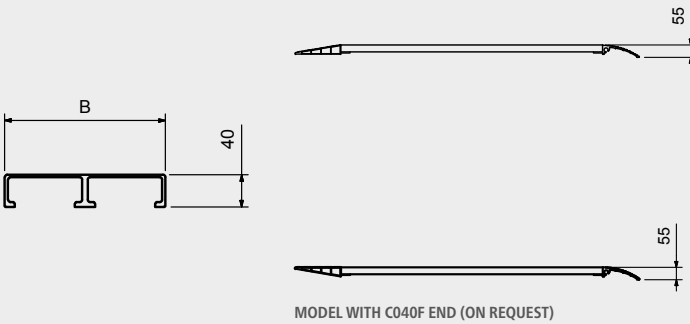
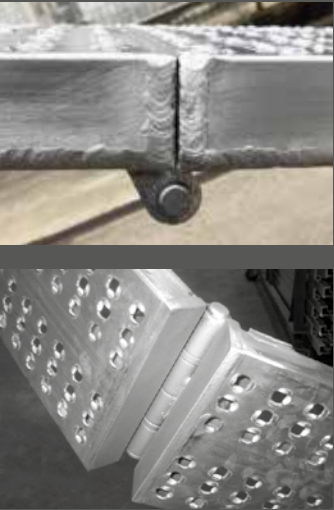
M040B2 

LOADING RAMPS

M040B3 



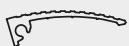
HINGED MODEL B2 (ON REQUEST)



MODEL WITH C040F END (ON REQUEST)

HEAD TYPES

1



1 STANDARD HEAD (L)

2



2 HEAD WITH HOOK (G) (ON REQUEST)

3

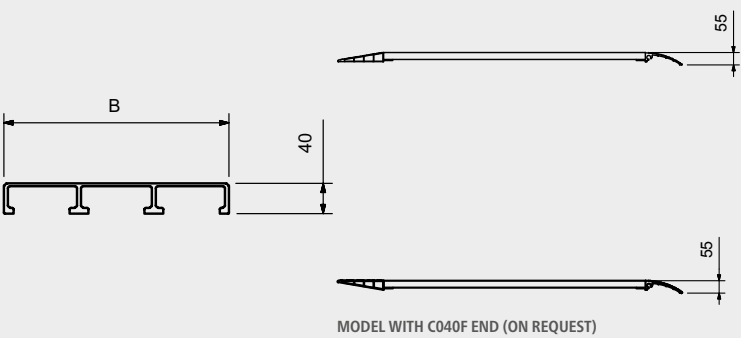


3 HEAD WITH SUPPORT (A) (ON REQUEST)

4



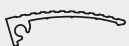
4 HEAD WITH TUBE (T) (ON REQUEST)



MODEL WITH C040F END (ON REQUEST)

HEAD TYPES

1



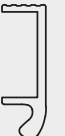
1 STANDARD HEAD (L)

2



2 HEAD WITH HOOK (G) (ON REQUEST)

3



3 HEAD WITH SUPPORT (A) (ON REQUEST)

4



4 HEAD WITH TUBE (T) (ON REQUEST)

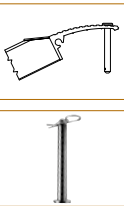
|                                                        |               | Loading capacity per pair kg |           |            |              |                           |                          |
|--------------------------------------------------------|---------------|------------------------------|-----------|------------|--------------|---------------------------|--------------------------|
| Model                                                  | Item code     | Wheelbase                    |           |            | Length<br>mm | External<br>width<br>B mm | Weight<br>per pair<br>kg |
|                                                        |               | 500<br>mm                    | 750<br>mm | 1000<br>mm |              |                           |                          |
| M040B2/15                                              | MM040SL.20.15 | 1259                         | 1580      | 1580       | 1500         | 215                       | 14                       |
| M040B2/20                                              | MM040SL.20.20 | 839                          | 1007      | 1259       | 2000         | 215                       | 18                       |
| M040B2/25                                              | MM040SL.20.25 | 630                          | 719       | 839        | 2500         | 215                       | 22                       |
| M040B2/30                                              | MM040SL.20.30 | 478                          | 532       | 598        | 3000         | 215                       | 25                       |
| M040B2/35                                              | MM040SL.20.35 | 378                          | 412       | 453        | 3500         | 215                       | 29                       |
| M040B2/40                                              | MM040SL.20.40 | 306                          | 328       | 357        | 4000         | 215                       | 33                       |
| M040B2/15/2                                            | MM040SL.40.15 | 2518                         | 2900      | 2900       | 1500         | 415                       | 26                       |
| M040B2/20/2                                            | MM040SL.40.20 | 1678                         | 2014      | 2518       | 2000         | 415                       | 33                       |
| M040B2/25/2                                            | MM040SL.40.25 | 1260                         | 1438      | 1678       | 2500         | 415                       | 41                       |
| M040B2/30/2                                            | MM040SL.40.30 | 957                          | 1064      | 1197       | 3000         | 415                       | 48                       |
| M040B2/35/2                                            | MM040SL.40.35 | 756                          | 824       | 907        | 3500         | 415                       | 56                       |
| M040B2/40/2                                            | MM040SL.40.40 | 612                          | 657       | 714        | 4000         | 415                       | 63                       |
| Hinged version: 300 kg per pair for all M040B2 models. |               |                              |           |            |              |                           |                          |

|                                                        |               | Loading capacity per pair kg |           |            |              |                           |                          |
|--------------------------------------------------------|---------------|------------------------------|-----------|------------|--------------|---------------------------|--------------------------|
| Model                                                  | Item code     | Wheelbase                    |           |            | Length<br>mm | External<br>width<br>B mm | Weight<br>per pair<br>kg |
|                                                        |               | 500<br>mm                    | 750<br>mm | 1000<br>mm |              |                           |                          |
| M040B3/15                                              | MM045SL.30.15 | 2132                         | 2370      | 2370       | 1500         | 315                       | 21                       |
| M040B3/20                                              | MM045SL.30.20 | 1421                         | 1705      | 2132       | 2000         | 315                       | 27                       |
| M040B3/25                                              | MM045SL.30.25 | 1066                         | 1218      | 1421       | 2500         | 315                       | 33                       |
| M040B3/30                                              | MM045SL.30.30 | 810                          | 899       | 1012       | 3000         | 315                       | 39                       |
| M040B3/35                                              | MM045SL.30.35 | 639                          | 697       | 767        | 3500         | 315                       | 45                       |
| M040B3/40                                              | MM045SL.30.40 | 517                          | 557       | 604        | 4000         | 315                       | 51                       |
| M040B3/15/2                                            | MM045SL.60.15 | 2900                         | 2900      | 2900       | 1500         | 615                       | 40                       |
| M040B3/20/2                                            | MM045SL.60.20 | 2842                         | 2900      | 2900       | 2000         | 615                       | 52                       |
| M040B3/25/2                                            | MM045SL.60.25 | 2132                         | 2436      | 2842       | 2500         | 615                       | 64                       |
| M040B3/30/2                                            | MM045SL.60.30 | 1620                         | 1799      | 2025       | 3000         | 615                       | 76                       |
| M040B3/35/2                                            | MM045SL.60.35 | 1279                         | 1395      | 1535       | 3500         | 615                       | 88                       |
| M040B3/40/2                                            | MM045SL.60.40 | 1035                         | 1115      | 1208       | 4000         | 615                       | 100                      |
| Hinged version: 500 kg per pair for all M040B3 models. |               |                              |           |            |              |                           |                          |

ANCHORING SYSTEMS



Aluminium tab (standard): The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.



Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS



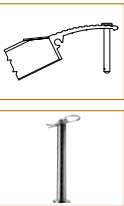
Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

ANCHORING SYSTEMS



Aluminium tab (standard): The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.



Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS



Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

M060B3 METALMEC

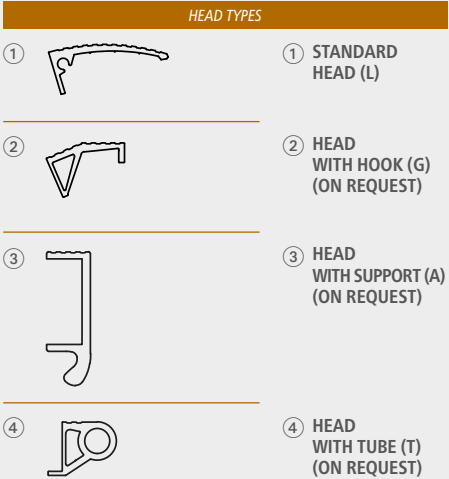
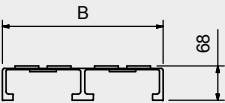
LOADING RAMPS

M055 METALMEC

PRODUCT FAMILY:  
**M060**

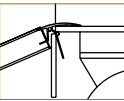
MAX. LOADING CAPACITY  
PER PAIR:  
**4.500 kg**

This range has been conceived to meet the needs of those who need to move heavy equipment and vehicles but also require a self-cleaning contact surface with excellent grip. The innovative, thin, extruded and cut profile used in the production of these ramps gives the product these characteristics that are particularly valued by light trailer manufacturers. Vehicles and equipment with rubber wheels or tracks can be moved in any weather conditions and in complete safety. The range is made without raised edges. Various types of head connection can be assembled on request and the product is supplied with the required anchoring tabs.

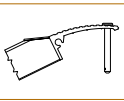


| Model     | Item code     | Loading capacity per pair kg |            |            | Length<br>mm | External width<br>B mm | Weight<br>per pair<br>kg |
|-----------|---------------|------------------------------|------------|------------|--------------|------------------------|--------------------------|
|           |               | 1000<br>mm                   | 1250<br>mm | 1500<br>mm |              |                        |                          |
| M060B3/15 | MM060SL.30.15 | 4500                         | 4500       | 4500       | 1500         | 315                    | 22                       |
| M060B3/20 | MM060SL.30.20 | 3300                         | 3900       | 4500       | 2000         | 315                    | 29                       |
| M060B3/25 | MM060SL.30.25 | 2400                         | 3000       | 3400       | 2500         | 315                    | 33                       |
| M060B3/30 | MM060SL.30.30 | 1705                         | 2000       | 2250       | 3000         | 315                    | 40                       |
| M060B3/35 | MM060SL.30.35 | 1200                         | 1350       | 1500       | 3500         | 315                    | 47                       |
| M060B3/40 | MM060SL.30.40 | 1000                         | 1100       | 1200       | 4000         | 315                    | 54                       |

ANCHORING SYSTEMS



**Aluminium tab (standard):** The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.



**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.



HANDLING SYSTEMS



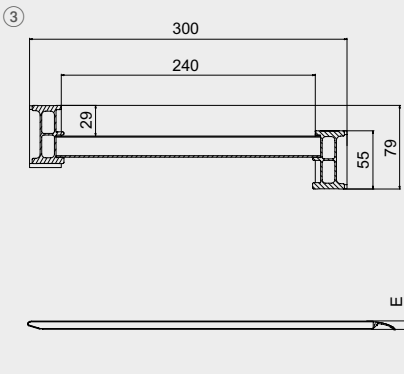
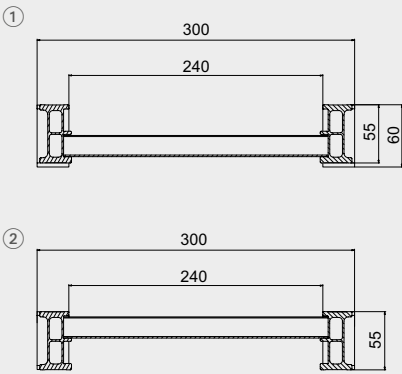
**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

PRODUCT FAMILY:  
**M055 M065 M074  
M085 M076**

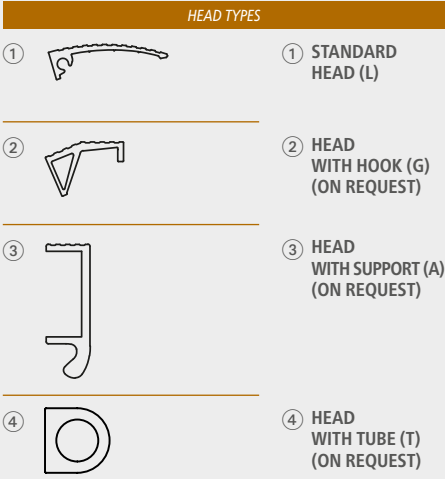
MAX. LOADING CAPACITY  
PER PAIR:  
**3.500 kg**

This wide range of compact and space-saving ramps is particularly suitable for moving rubber-wheeled vehicles used in various sectors, from agriculture to gardening and construction to earth moving, such as: mini tractors, mini excavators, mini dumpers, etc. Available with different types of head connections, they are perfectly suited to light trailers' housings. The range is made with raised edges, without raised edges or with only one raised edge and the product is supplied with the required anchoring tabs. Upon request, the range without raised edges can be supplied with a vulcanized rubber covering for the specific handling of compactor rollers and vehicles with steel tracks.



1 WITH RAISED EDGES  
2 WITHOUT RAISED EDGES

3 WITH ONLY ONE RAISED EDGE

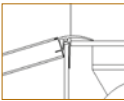


| Model   | Item code         |                      | Loading capacity per pair kg |            |            | Standard length<br>mm | Length with head<br>type 2 mm | Length with head<br>type 3 mm | Length with head<br>type 4 mm | Standard ramp<br>dimension with<br>raised edge<br>E mm | Standard ramp<br>dimension without<br>raised edges<br>E mm | Weight<br>per pair<br>kg |
|---------|-------------------|----------------------|------------------------------|------------|------------|-----------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------------------------------|------------------------------------------------------------|--------------------------|
|         | with raised edges | without raised edges | 1000<br>mm                   | 1250<br>mm | 1500<br>mm |                       |                               |                               |                               |                                                        |                                                            |                          |
| M055/15 | MM055BL.30.15     | MM055SL.30.15        | 2500                         | 2500       | 2500       | 1495                  | 1442                          | 1346                          | 1388                          | 83                                                     | 59                                                         | 15                       |
| M055/20 | MM055BL.30.20     | MM055SL.30.20        | 1500                         | 2000       | 2500       | 1995                  | 1942                          | 1846                          | 1888                          | 83                                                     | 59                                                         | 20                       |
| M055/25 | MM055BL.30.25     | MM055SL.30.25        | 1000                         | 1200       | 1500       | 2495                  | 2442                          | 2346                          | 2388                          | 83                                                     | 59                                                         | 25                       |
| M055/30 | MM055BL.30.30     | MM055SL.30.30        | 750                          | 850        | 1000       | 2995                  | 2942                          | 2846                          | 2888                          | 83                                                     | 59                                                         | 29                       |
| M055/35 | MM055BL.30.35     | MM055SL.30.35        | 600                          | 660        | 750        | 3495                  | 3442                          | 3346                          | 3388                          | 83                                                     | 59                                                         | 34                       |
| M055/40 | MM055BL.30.40     | MM055SL.30.40        | 500                          | 540        | 600        | 3995                  | 3942                          | 3846                          | 3888                          | 83                                                     | 59                                                         | 39                       |

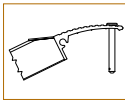
Minimum width of the wheel or track 150 mm. Maximum width of the wheel or track 220 mm.

The range is available with only one raised edge.

ANCHORING SYSTEMS



**Aluminium tab (standard):** The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.



**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.



HANDLING SYSTEMS



**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

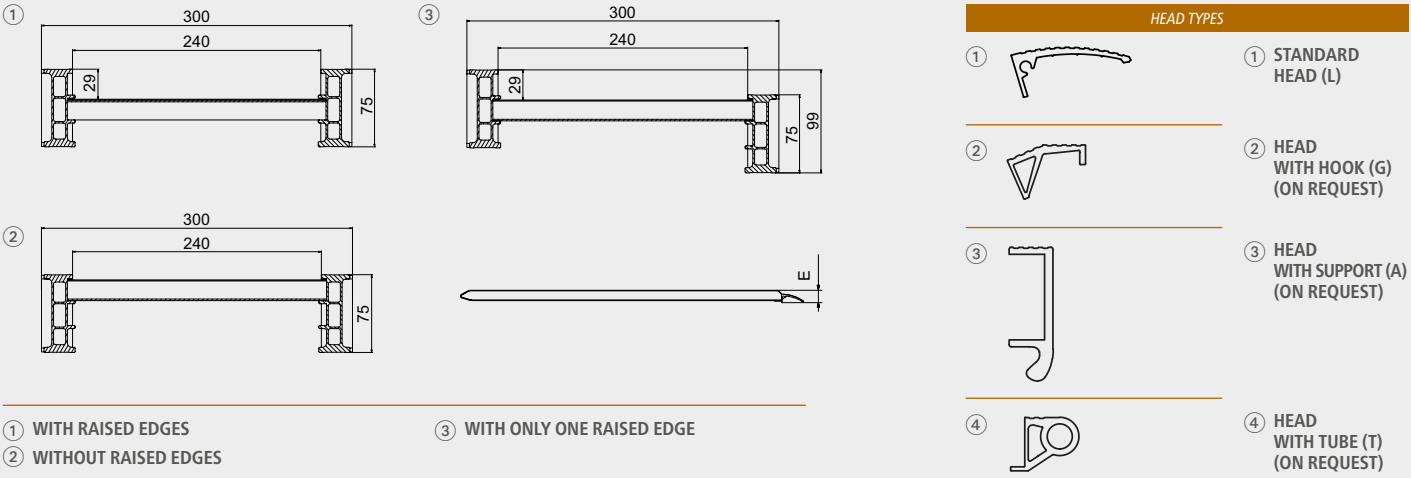
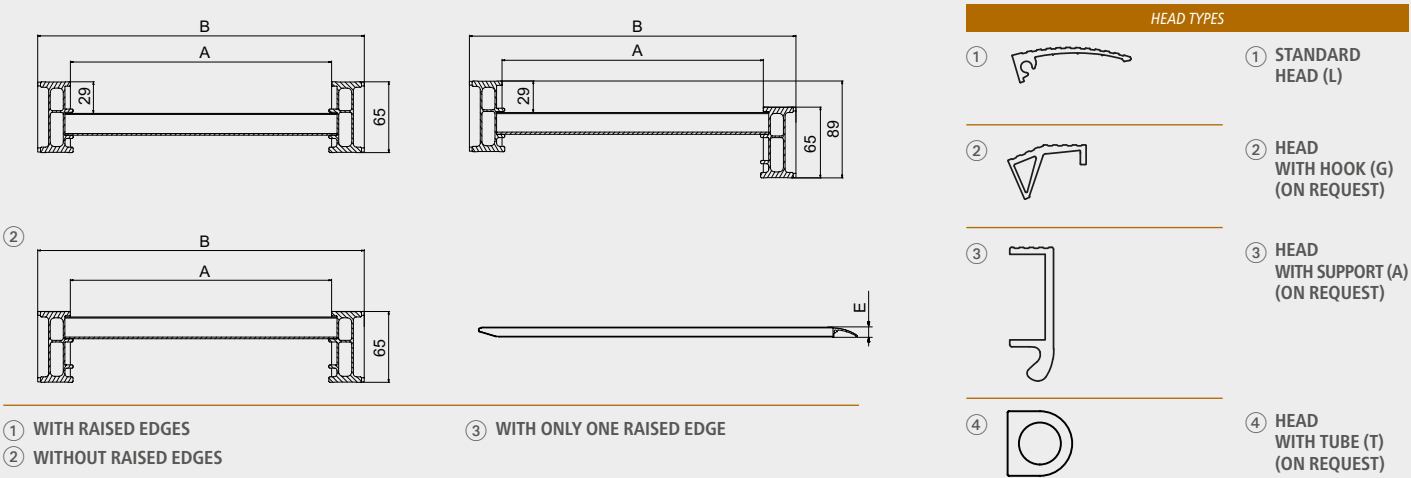
Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

M065 METALMEC

LOADING RAMPS

M074 METALMEC



| Model                                                                                   | Item code     |               | Loading capacity per pair kg |         |         | Standard length mm | Length with head type ② mm | Length with head type ③ mm | Length with head type ④ mm | Internal width A mm | External width B mm | Standard ramp dimension with raised edges E mm | Standard ramp dimension without raised edges E mm | Weight per pair kg |
|-----------------------------------------------------------------------------------------|---------------|---------------|------------------------------|---------|---------|--------------------|----------------------------|----------------------------|----------------------------|---------------------|---------------------|------------------------------------------------|---------------------------------------------------|--------------------|
|                                                                                         |               |               | 1000 mm                      | 1250 mm | 1500 mm |                    |                            |                            |                            |                     |                     |                                                |                                                   |                    |
| M065/15                                                                                 | MM065BL.30.15 | MM065SL.30.15 | 2700                         | 2700    | 2700    | 1495               | 1444                       | 1346                       | 1388                       | 240                 | 300                 | 83                                             | 67                                                | 17                 |
| M065/20                                                                                 | MM065BL.30.20 | MM065SL.30.20 | 2000                         | 2660    | 2700    | 1995               | 1944                       | 1846                       | 1888                       | 240                 | 300                 | 83                                             | 67                                                | 22                 |
| M065/25                                                                                 | MM065BL.30.25 | MM065SL.30.25 | 1330                         | 1600    | 2000    | 2495               | 2444                       | 2346                       | 2388                       | 240                 | 300                 | 83                                             | 67                                                | 27                 |
| M065/30                                                                                 | MM065BL.30.30 | MM065SL.30.30 | 1000                         | 1140    | 1330    | 2995               | 2944                       | 2846                       | 2888                       | 240                 | 300                 | 83                                             | 67                                                | 32                 |
| M065/35                                                                                 | MM065BL.30.35 | MM065SL.30.35 | 800                          | 880     | 1000    | 3495               | 3444                       | 3346                       | 3388                       | 240                 | 300                 | 83                                             | 67                                                | 37                 |
| M065/40                                                                                 | MM065BL.30.40 | MM065SL.30.40 | 660                          | 720     | 800     | 3995               | 3944                       | 3846                       | 3888                       | 240                 | 300                 | 83                                             | 67                                                | 41                 |
| Minimum width of the wheel or track 150 mm. Maximum width of the wheel or track 220 mm. |               |               |                              |         |         |                    |                            |                            |                            |                     |                     |                                                |                                                   |                    |
| M065/15L                                                                                | MM065BL.50.15 | MM065SL.50.15 | 2450                         | 2450    | 2450    | 1495               | 1444                       | 1346                       | 1388                       | 440                 | 500                 | 83                                             | 67                                                | 24                 |
| M065/20L                                                                                | MM065BL.50.20 | MM065SL.50.20 | 2000                         | 2450    | 2450    | 1995               | 1944                       | 1846                       | 1888                       | 440                 | 500                 | 83                                             | 67                                                | 30                 |
| M065/25L                                                                                | MM065BL.50.25 | MM065SL.50.25 | 1330                         | 1600    | 2000    | 2495               | 2444                       | 2346                       | 2388                       | 440                 | 500                 | 83                                             | 67                                                | 37                 |
| M065/30L                                                                                | MM065BL.50.30 | MM065SL.50.30 | 1000                         | 1140    | 1330    | 2995               | 2944                       | 2846                       | 2888                       | 440                 | 500                 | 83                                             | 67                                                | 43                 |
| M065/35L                                                                                | MM065BL.50.35 | MM065SL.50.35 | 800                          | 880     | 1000    | 3495               | 3444                       | 3346                       | 3388                       | 440                 | 500                 | 83                                             | 67                                                | 50                 |
| M065/40L                                                                                | MM065BL.50.40 | MM065SL.50.40 | 660                          | 720     | 800     | 3995               | 3944                       | 3846                       | 3888                       | 440                 | 500                 | 83                                             | 67                                                | 56                 |
| Minimum width of the wheel or track 300 mm. Maximum width of the wheel or track 420 mm. |               |               |                              |         |         |                    |                            |                            |                            |                     |                     |                                                |                                                   |                    |
| The range is available with only one raised edge.                                       |               |               |                              |         |         |                    |                            |                            |                            |                     |                     |                                                |                                                   |                    |

ANCHORING SYSTEMS

**Aluminium tab (standard):** The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.

**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS

**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

ANCHORING SYSTEMS

**Aluminium tab (standard):** The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.

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HANDLING SYSTEMS

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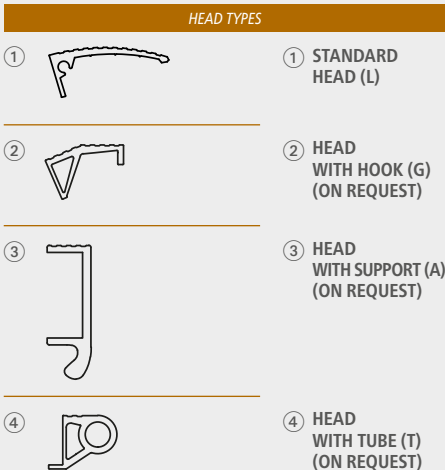
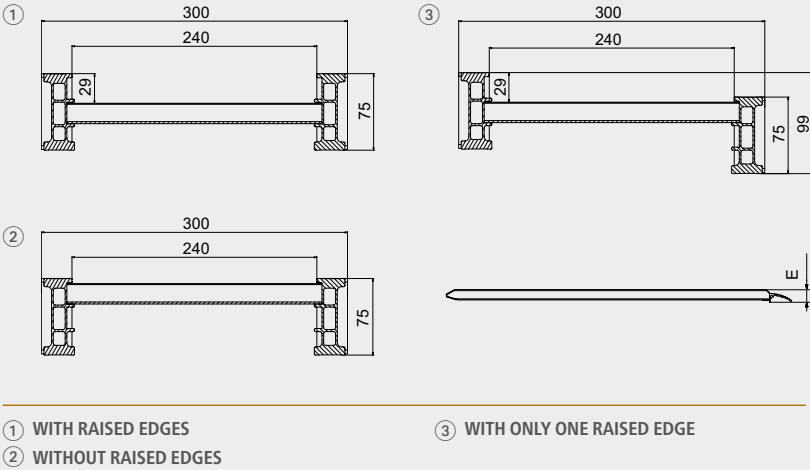
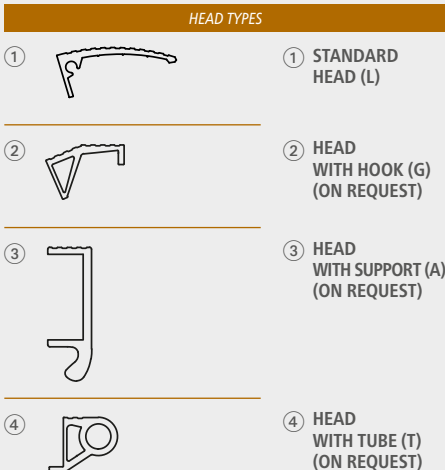
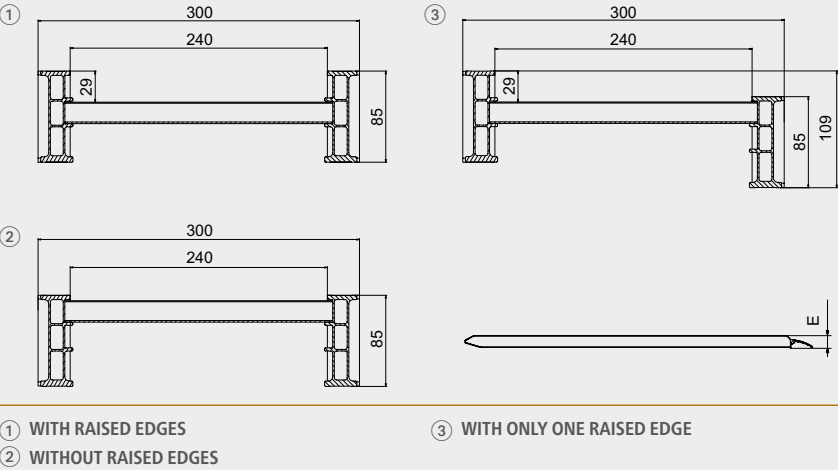
Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

M085 METALMEC

LOADING RAMPS

M076 METALMEC



| Model   | Item code         |                      | Loading capacity per pair kg |         |         | Standard length mm | Length with head type ② mm | Length with head type ③ mm | Length with head type ④** mm | Standard ramp dimension with raised edge E* mm | Weight per pair kg |
|---------|-------------------|----------------------|------------------------------|---------|---------|--------------------|----------------------------|----------------------------|------------------------------|------------------------------------------------|--------------------|
|         | with raised edges | without raised edges | 1000 mm                      | 1250 mm | 1500 mm |                    |                            |                            |                              |                                                |                    |
| M085/20 | MM085BL.30.20     | MM085SL.30.20        | 3000                         | 3400    | 3400    | 1995               | 1944                       | 1846                       | 1910                         | 91                                             | 25                 |
| M085/25 | MM085BL.30.25     | MM085SL.30.25        | 2100                         | 2600    | 3000    | 2495               | 2444                       | 2346                       | 2410                         | 91                                             | 28                 |
| M085/30 | MM085BL.30.30     | MM085SL.30.30        | 1500                         | 1710    | 2100    | 2995               | 2944                       | 2846                       | 2910                         | 91                                             | 33                 |
| M085/35 | MM085BL.30.35     | MM085SL.30.35        | 1200                         | 1330    | 1500    | 3495               | 3444                       | 3346                       | 3410                         | 91                                             | 38                 |
| M085/40 | MM085BL.30.40     | MM085SL.30.40        | 1000                         | 1090    | 1200    | 3995               | 3944                       | 3846                       | 3910                         | 91                                             | 44                 |
| M085/45 | MM085BL.30.45     | MM085SL.30.45        | 850                          | 920     | 1000    | 4495               | 4444                       | 4346                       | 4410                         | 91                                             | 49                 |

Minimum width of the wheel or track 150 mm. Maximum width of the wheel or track 220 mm.

The range is available with only one raised edge.

\* Dimension E of the standard ramps without raised edges is the same as the height of the ramp profile.

\*\* The length with head connection type 4 of the ramps with raised edges is 22 mm shorter compared to the indicated measure.

| Model   | Item code         |                      | Loading capacity per pair kg |         |         | Standard length mm | Length with head type ② mm | Length with head type ③ mm | Length with head type ④** mm | Standard ramp dimension with raised edge E* mm | Weight per pair kg |
|---------|-------------------|----------------------|------------------------------|---------|---------|--------------------|----------------------------|----------------------------|------------------------------|------------------------------------------------|--------------------|
|         | with raised edges | without raised edges | 1000 mm                      | 1250 mm | 1500 mm |                    |                            |                            |                              |                                                |                    |
| M076/20 | MM076BL.30.20     | MM076SL.30.20        | 3500                         | 3500    | 3500    | 1995               | 1944                       | 1846                       | 1910                         | 91                                             | 28                 |
| M076/25 | MM076BL.30.25     | MM076SL.30.25        | 2330                         | 2700    | 3500    | 2495               | 2444                       | 2346                       | 2410                         | 91                                             | 35                 |
| M076/30 | MM076BL.30.30     | MM076SL.30.30        | 1750                         | 2000    | 2330    | 2995               | 2944                       | 2846                       | 2910                         | 91                                             | 39                 |
| M076/35 | MM076BL.30.35     | MM076SL.30.35        | 1400                         | 1550    | 1750    | 3495               | 3444                       | 3346                       | 3410                         | 91                                             | 45                 |
| M076/40 | MM076BL.30.40     | MM076SL.30.40        | 1160                         | 1270    | 1400    | 3995               | 3944                       | 3846                       | 3910                         | 91                                             | 51                 |
| M076/45 | MM076BL.30.45     | MM076SL.30.45        | 1000                         | 1070    | 1160    | 4495               | 4444                       | 4346                       | 4410                         | 91                                             | 57                 |

Minimum width of the wheel or track 150 mm. Maximum width of the wheel or track 220 mm.

The range is available with only one raised edge.

\* Dimension E of the standard ramps without raised edges is the same as the height of the ramp profile.

\*\* The length with head connection type 4 of the ramps with raised edges is 22 mm shorter compared to the indicated measure.

ANCHORING SYSTEMS

Aluminium tab (standard): The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.

Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS

Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

ANCHORING SYSTEMS

Aluminium tab (standard): The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.

Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS

Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

M100 METALMEC

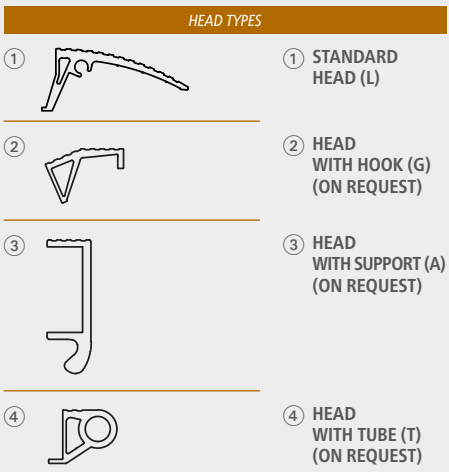
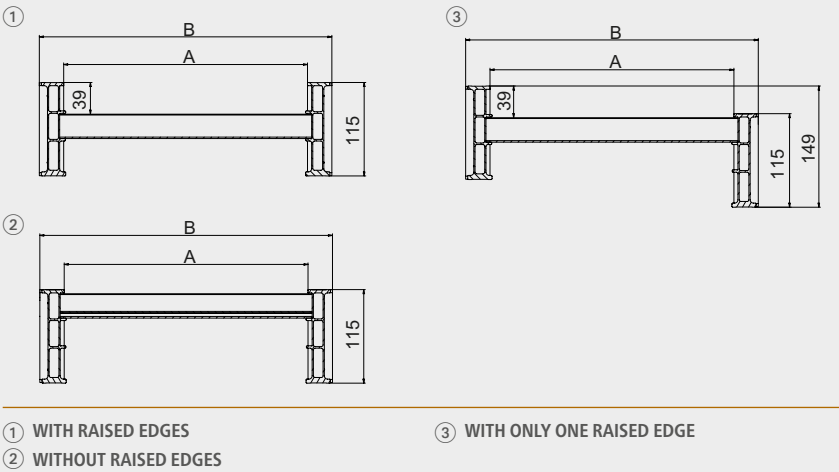
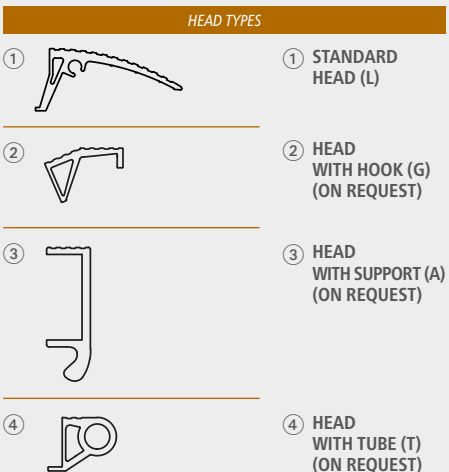
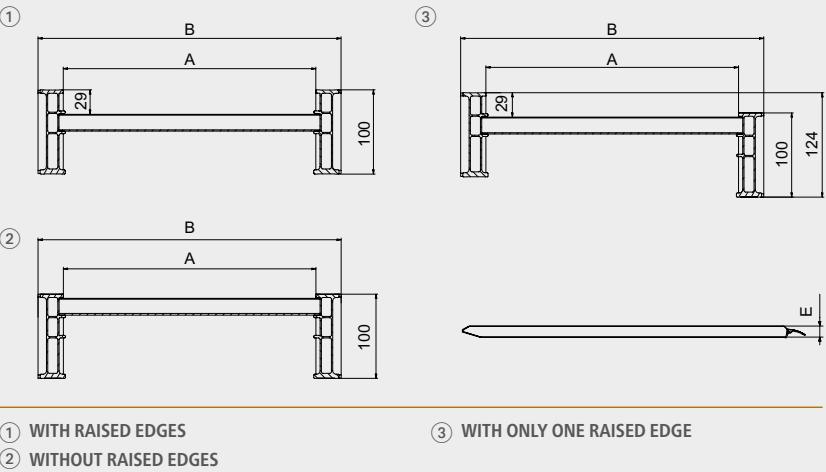
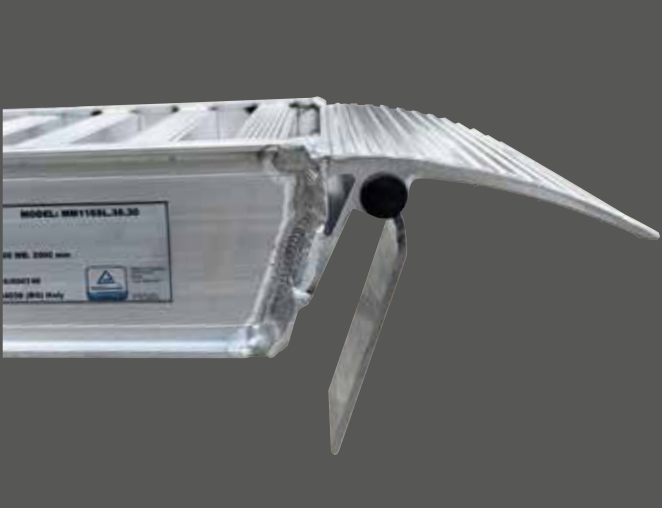
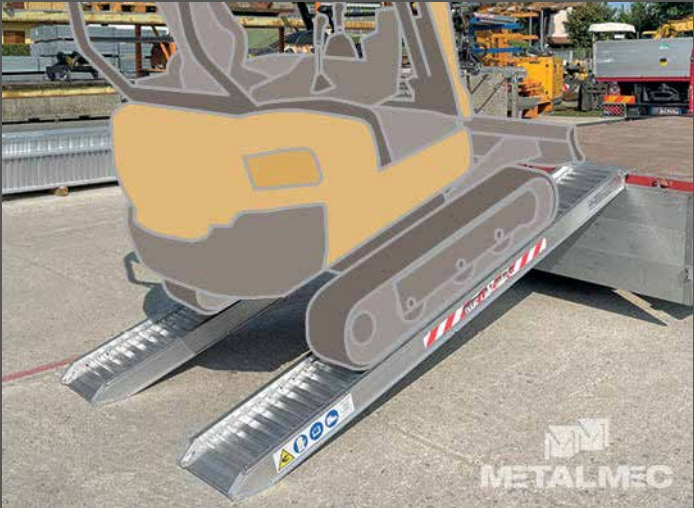
LOADING RAMPS

M115 METALMEC

PRODUCT FAMILY:  
**M100 M115 M125**  
MAX. LOADING CAPACITY PER PAIR:  
**6.000 kg**

This range of loading and unloading ramps, made with high-quality extruded aluminium profiles, is particularly suitable for moving medium rubber-wheeled vehicles used in various sectors, from agriculture to gardening and construction to earth moving, such as: mini tractors, mini excavators, mini dumpers, etc. Available in various widths and with different types of head connection, they are particularly valued by manufacturers of light trailers, as they are perfectly suited to their needs.

The range is made with raised edges, without raised edges or with only one raised edge and the product is supplied with the required anchoring tabs. Upon request, the range without raised edges can be supplied with a vulcanized rubber covering for the specific handling of compactor rollers and vehicles with steel tracks.



| Model                                                                                                   | Item code     |               | Loading capacity per pair kg |                      |           | Standard length<br>mm | Length with head type<br>② mm | Length with head type<br>③ mm | Length with head type<br>④ mm | Internal width<br>A mm | External width<br>B mm | Standard ramp dimension with raised edges E*<br>mm | Weight per pair<br>kg |
|---------------------------------------------------------------------------------------------------------|---------------|---------------|------------------------------|----------------------|-----------|-----------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|------------------------|----------------------------------------------------|-----------------------|
|                                                                                                         |               |               | with raised edges            | without raised edges | Wheelbase |                       |                               |                               |                               |                        |                        |                                                    |                       |
|                                                                                                         |               |               | 1000 mm                      | 1250 mm              | 1500 mm   |                       |                               |                               |                               |                        |                        |                                                    |                       |
| M100/25                                                                                                 | MM101BL.36.25 | MM101SL.36.25 | 2500                         | 3020                 | 3800      | 2495                  | 2444                          | 2346                          | 2410                          | 300                    | 360                    | 104                                                | 36                    |
| M100/30                                                                                                 | MM101BL.36.30 | MM101SL.36.30 | 1900                         | 2150                 | 2500      | 2995                  | 2944                          | 2846                          | 2910                          | 300                    | 360                    | 104                                                | 39                    |
| M100/35                                                                                                 | MM101BL.36.35 | MM101SL.36.35 | 1500                         | 1680                 | 1900      | 3495                  | 3444                          | 3346                          | 3410                          | 300                    | 360                    | 104                                                | 45                    |
| M100/40                                                                                                 | MM101BL.36.40 | MM101SL.36.40 | 1250                         | 1370                 | 1500      | 3995                  | 3944                          | 3846                          | 3910                          | 300                    | 360                    | 104                                                | 51                    |
| M100/45                                                                                                 | MM101BL.36.45 | MM101SL.36.45 | 1070                         | 1160                 | 1250      | 4495                  | 4444                          | 4346                          | 4410                          | 300                    | 360                    | 104                                                | 56                    |
| M100/50                                                                                                 | MM101BL.36.50 | MM101SL.36.50 | 940                          | 1000                 | 1070      | 4995                  | 4944                          | 4846                          | 4910                          | 300                    | 360                    | 104                                                | 62                    |
| Minimum width of the wheel or track 200 mm. Maximum width of the wheel or track 280 mm.                 |               |               |                              |                      |           |                       |                               |                               |                               |                        |                        |                                                    |                       |
| M100/25L                                                                                                | MM101BL.40.25 | MM101SL.40.25 | 2500                         | 3020                 | 3800      | 2495                  | 2444                          | 2346                          | 2410                          | 340                    | 400                    | 104                                                | 38                    |
| M100/30L                                                                                                | MM101BL.40.30 | MM101SL.40.30 | 1900                         | 2150                 | 2500      | 2995                  | 2944                          | 2846                          | 2910                          | 340                    | 400                    | 104                                                | 45                    |
| M100/35L                                                                                                | MM101BL.40.35 | MM101SL.40.35 | 1500                         | 1680                 | 1900      | 3495                  | 3444                          | 3346                          | 3410                          | 340                    | 400                    | 104                                                | 47                    |
| M100/40L                                                                                                | MM101BL.40.40 | MM101SL.40.40 | 1250                         | 1370                 | 1500      | 3995                  | 3944                          | 3846                          | 3910                          | 340                    | 400                    | 104                                                | 54                    |
| M100/45L                                                                                                | MM101BL.40.45 | MM101SL.40.45 | 1070                         | 1160                 | 1250      | 4495                  | 4444                          | 4346                          | 4410                          | 340                    | 400                    | 104                                                | 60                    |
| M100/50L                                                                                                | MM101BL.40.50 | MM101SL.40.50 | 940                          | 1000                 | 1070      | 4995                  | 4944                          | 4846                          | 4910                          | 340                    | 400                    | 104                                                | 66                    |
| Minimum width of the wheel or track 200 mm. Maximum width of the wheel or track 320 mm.                 |               |               |                              |                      |           |                       |                               |                               |                               |                        |                        |                                                    |                       |
| The range is available with only one raised edge.                                                       |               |               |                              |                      |           |                       |                               |                               |                               |                        |                        |                                                    |                       |
| * Dimension E of the standard ramps without raised edges is the same as the height of the ramp profile. |               |               |                              |                      |           |                       |                               |                               |                               |                        |                        |                                                    |                       |

**ANCHORING SYSTEMS**

Aluminium tab (standard): The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.

Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

**HANDLING SYSTEMS**

Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

| Model                                                                                   | Item code     |               | Loading capacity per pair kg |                      |           | Standard length<br>mm | Length with head type<br>② mm | Length with head type<br>③ mm | Length with head type<br>④ mm | Internal width<br>A mm | External width<br>B mm | Weight per pair<br>kg |
|-----------------------------------------------------------------------------------------|---------------|---------------|------------------------------|----------------------|-----------|-----------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|------------------------|-----------------------|
|                                                                                         |               |               | with raised edges            | without raised edges | Wheelbase |                       |                               |                               |                               |                        |                        |                       |
|                                                                                         |               |               | 1000 mm                      | 1500 mm              | 2000 mm   |                       |                               |                               |                               |                        |                        |                       |
| M115/25                                                                                 | MM116BL.36.25 | MM116SL.36.25 | 3000                         | 4500                 | 5000      | 2485                  | 2434                          | 2336                          | 2400                          | 300                    | 360                    | 39                    |
| M115/30                                                                                 | MM116BL.36.30 | MM116SL.36.30 | 2500                         | 3000                 | 4500      | 2985                  | 2934                          | 2836                          | 2900                          | 300                    | 360                    | 44                    |
| M115/35                                                                                 | MM116BL.36.35 | MM116SL.36.35 | 2000                         | 2500                 | 3000      | 3485                  | 3434                          | 3336                          | 3400                          | 300                    | 360                    | 51                    |
| M115/40                                                                                 | MM116BL.36.40 | MM116SL.36.40 | 1500                         | 1800                 | 2500      | 3985                  | 3934                          | 3836                          | 3900                          | 300                    | 360                    | 58                    |
| M115/45                                                                                 | MM116BL.36.45 | MM116SL.36.45 | 1285                         | 1500                 | 1800      | 4485                  | 4434                          | 4336                          | 4400                          | 300                    | 360                    | 65                    |
| M115/50                                                                                 | MM116BL.36.50 | MM116SL.36.50 | 1125                         | 1285                 | 1500      | 4985                  | 4934                          | 4836                          | 4900                          | 300                    | 360                    | 72                    |
| Minimum width of the wheel or track 200 mm. Maximum width of the wheel or track 280 mm. |               |               |                              |                      |           |                       |                               |                               |                               |                        |                        |                       |
| M115/25L                                                                                | MM116BL.40.25 | MM116SL.40.25 | 3000                         | 4500                 | 5000      | 2485                  | 2434                          | 2336                          | 2400                          | 340                    | 400                    | 41                    |
| M115/30L                                                                                | MM116BL.40.30 | MM116SL.40.30 | 2500                         | 3000                 | 4500      | 2985                  | 2934                          | 2836                          | 2900                          | 340                    | 400                    | 49                    |
| M115/35L                                                                                | MM116BL.40.35 | MM116SL.40.35 | 2000                         | 2500                 | 3000      | 3485                  | 3434                          | 3336                          | 3400                          | 340                    | 400                    | 56                    |
| M115/40L                                                                                | MM116BL.40.40 | MM116SL.40.40 | 1500                         | 1800                 | 2500      | 3985                  | 3934                          | 3836                          | 3900                          | 340                    | 400                    | 64                    |
| M115/45L                                                                                | MM116BL.40.45 | MM116SL.40.45 | 1285                         | 1500                 | 1800      | 4485                  | 4434                          | 4336                          | 4400                          | 340                    | 400                    | 71                    |
| M115/50L                                                                                | MM116BL.40.50 | MM116SL.40.50 | 1125                         | 1285                 | 1500      | 4985                  | 4934                          | 4836                          | 4900                          | 340                    | 400                    | 79                    |
| Minimum width of the wheel or track 200 mm. Maximum width of the wheel or track 320 mm. |               |               |                              |                      |           |                       |                               |                               |                               |                        |                        |                       |
| The range is available with only one raised edge.                                       |               |               |                              |                      |           |                       |                               |                               |                               |                        |                        |                       |

**ANCHORING SYSTEMS**

Aluminium tab (standard): The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the event & removal ramp during use.

Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

**HANDLING SYSTEMS**

Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

M125 METALMEC

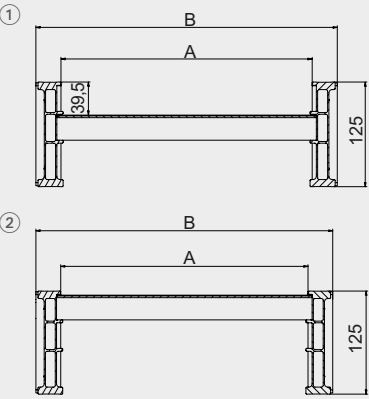
LOADING RAMPS

M140 METALMEC

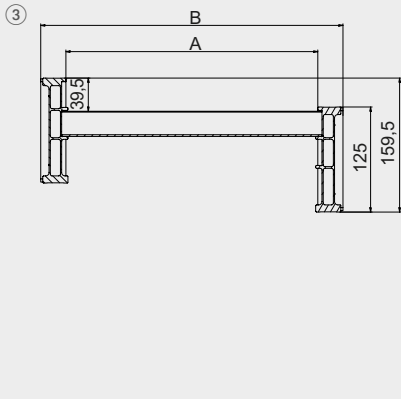


PRODUCT FAMILY:  
**M140 M150**  
MAX. LOADING CAPACITY  
PER PAIR:  
**8.000 kg**

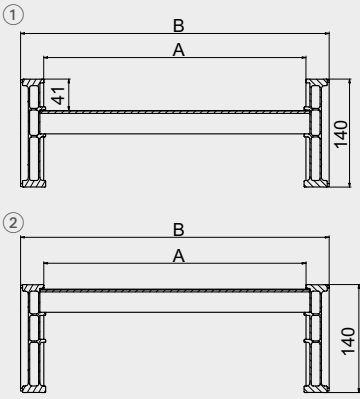
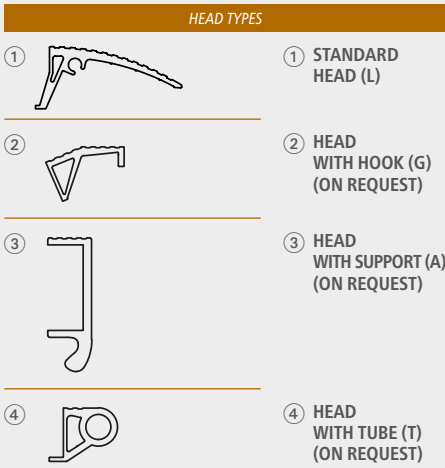
Created for moving rubber-wheeled vehicles with medium loads used in various sectors, from agriculture to gardening and construction to earthmoving, such as tractors, excavators, dumpers and aerial platforms. Available in various widths and with different types of head connections, they are particularly valued by trailer manufacturers as they are perfectly suited to their needs. The range is made with raised edges, without raised edges, with only one raised edge and the product is supplied with the required anchoring chains. Upon request, the range without raised edges can be supplied with a vulcanised rubber covering for the specific handling of compactor rollers and vehicles with steel tracks.



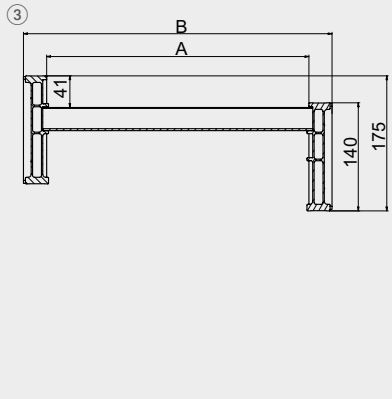
1 WITH RAISED EDGES  
2 WITHOUT RAISED EDGES



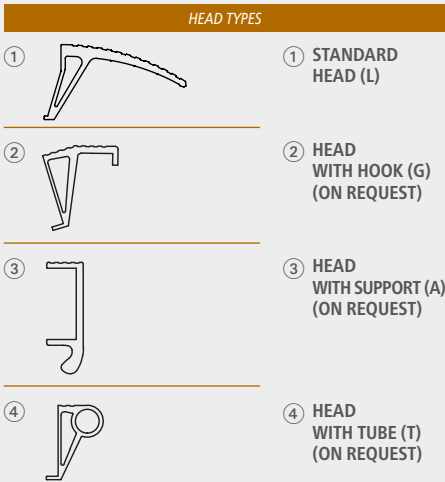
3 WITH ONLY ONE RAISED EDGE



1 WITH RAISED EDGES  
2 WITHOUT RAISED EDGES



3 WITH ONLY ONE RAISED EDGE

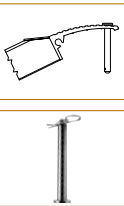


| Model                                                                                   | Item code     |               | Loading capacity per pair kg |         |         | Standard length | Length with head type 2 | Length with head type 3 | Length with head type 4 | Internal width A | External width B | Weight per pair |
|-----------------------------------------------------------------------------------------|---------------|---------------|------------------------------|---------|---------|-----------------|-------------------------|-------------------------|-------------------------|------------------|------------------|-----------------|
|                                                                                         |               |               | 1000 mm                      | 1500 mm | 2000 mm |                 |                         |                         |                         |                  |                  |                 |
| M125/25                                                                                 | MM126BL.36.25 | MM126SL.36.25 | 4580                         | 6000    | 6000    | 2485            | 2434                    | 2336                    | 2400                    | 300              | 360              | 44              |
| M125/30                                                                                 | MM126BL.36.30 | MM126SL.36.30 | 3435                         | 4580    | 6000    | 2985            | 2934                    | 2836                    | 2900                    | 300              | 360              | 52              |
| M125/35                                                                                 | MM126BL.36.35 | MM126SL.36.35 | 2750                         | 3435    | 4580    | 3485            | 3434                    | 3336                    | 3400                    | 300              | 360              | 60              |
| M125/40                                                                                 | MM126BL.36.40 | MM126SL.36.40 | 2290                         | 2750    | 3435    | 3985            | 3934                    | 3836                    | 3900                    | 300              | 360              | 67              |
| M125/45                                                                                 | MM126BL.36.45 | MM126SL.36.45 | 1965                         | 2290    | 2750    | 4485            | 4434                    | 4336                    | 4400                    | 300              | 360              | 74              |
| M125/50                                                                                 | MM126BL.36.50 | MM126SL.36.50 | 1720                         | 1965    | 2290    | 4985            | 4934                    | 4836                    | 4900                    | 300              | 360              | 82              |
| Minimum width of the wheel or track 200 mm. Maximum width of the wheel or track 280 mm. |               |               |                              |         |         |                 |                         |                         |                         |                  |                  |                 |
| M125/25L                                                                                | MM126BL.40.25 | MM126SL.40.25 | 4580                         | 6000    | 6000    | 2485            | 2434                    | 2336                    | 2400                    | 340              | 400              | 46              |
| M125/30L                                                                                | MM126BL.40.30 | MM126SL.40.30 | 3435                         | 4580    | 6000    | 2985            | 2934                    | 2836                    | 2900                    | 340              | 400              | 55              |
| M125/35L                                                                                | MM126BL.40.35 | MM126SL.40.35 | 2750                         | 3435    | 4580    | 3485            | 3434                    | 3336                    | 3400                    | 340              | 400              | 64              |
| M125/40L                                                                                | MM126BL.40.40 | MM126SL.40.40 | 2290                         | 2750    | 3435    | 3985            | 3934                    | 3836                    | 3900                    | 340              | 400              | 73              |
| M125/45L                                                                                | MM126BL.40.45 | MM126SL.40.45 | 1965                         | 2290    | 2750    | 4485            | 4434                    | 4336                    | 4400                    | 340              | 400              | 81              |
| M125/50L                                                                                | MM126BL.40.50 | MM126SL.40.50 | 1720                         | 1965    | 2290    | 4985            | 4934                    | 4836                    | 4900                    | 340              | 400              | 90              |
| Minimum width of the wheel or track 200 mm. Maximum width of the wheel or track 320 mm. |               |               |                              |         |         |                 |                         |                         |                         |                  |                  |                 |

ANCHORING SYSTEMS

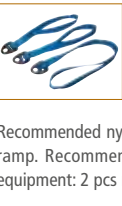


**Aluminium tab (standard):** The advantage of this anchoring system lies in the fact that the tab can be positioned along a large portion of the ramp's width, and can turn inside the head connection into which it has been inserted. The system comes with end caps for the head to prevent the tab disconnecting from the ramp during use.



**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS

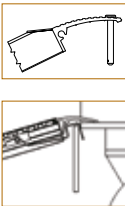


**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected. Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

ANCHORING SYSTEMS

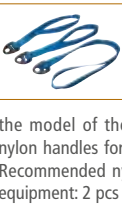


**Carabiner clip with steel chain (standard):** The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.  
**Steel bracket (on request):** This anchoring system consists of a galvanised steel bracket that must be inserted between the loading bed and the edge of the loading bed. The bracket can be positioned along a large portion of the ramp's width and can also swivel, allowing it to be placed in the optimum position.

HANDLING SYSTEMS



**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected. Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

M150



LOADING RAMPS

M160



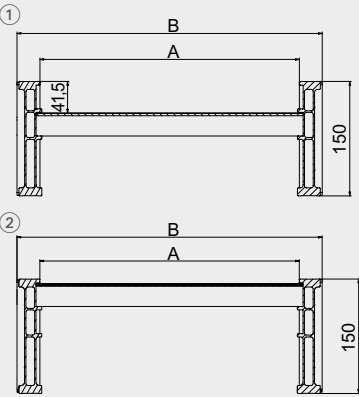
PRODUCT FAMILY:

M160 M170 M185  
M200 M230

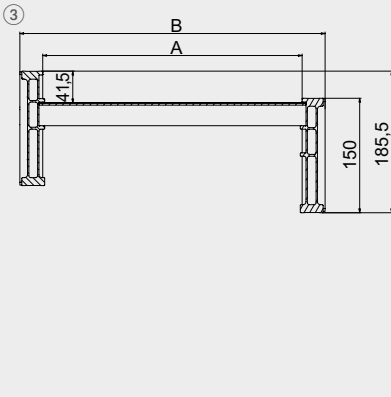
MAX. LOADING CAPACITY  
PER PAIR:

16.000 kg

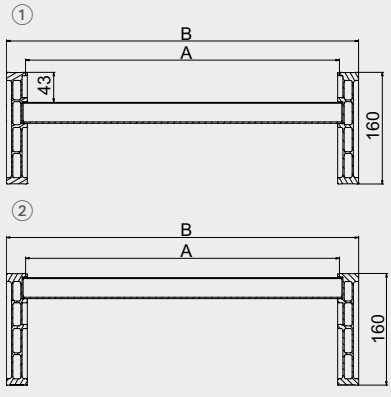
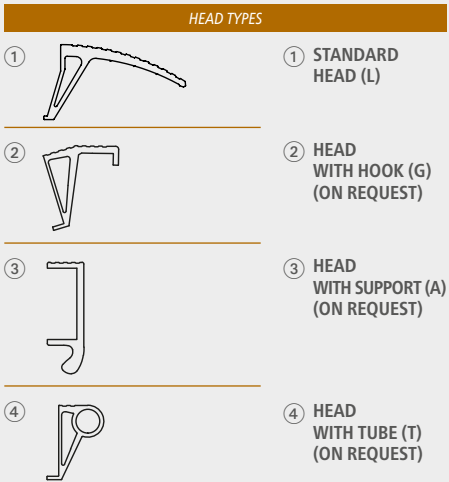
The strongest and most robust ramps in this range are suitable for the movement of machinery with heavy loads used in various sectors, from agriculture to gardening and construction to earthmoving, such as tractors, excavators, bulldozers and aerial platforms. They are also particularly suitable for loading and unloading containers. Available in various widths and with different types of head connections, they are particularly valued by manufacturers of heavy trailers as they are perfectly suited to their needs. The range is made with raised edges, without raised edges, with only one raised edge and the product is supplied with the required anchoring chains. Upon request, the range without raised edges can be supplied with a vulcanised rubber covering for the specific handling of compactor rollers and vehicles with steel tracks.



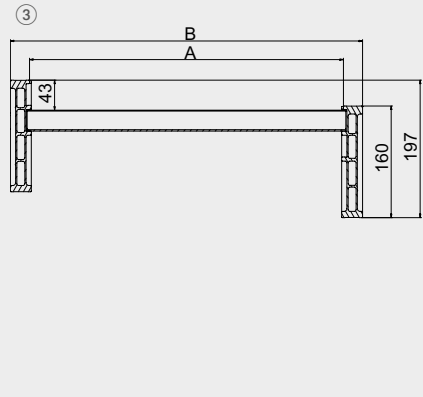
1 WITH RAISED EDGES  
2 WITHOUT RAISED EDGES



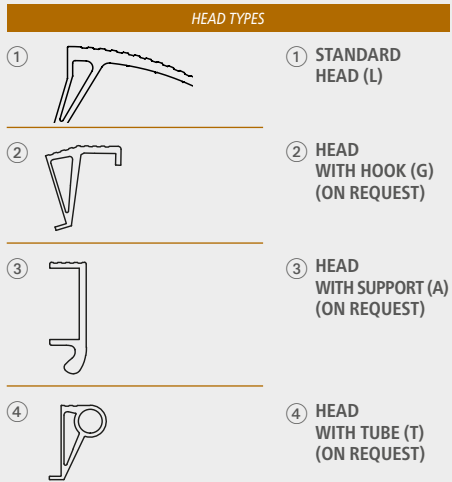
3 WITH ONLY ONE RAISED EDGE



1 WITH RAISED EDGES  
2 WITHOUT RAISED EDGES



3 WITH ONLY ONE RAISED EDGE

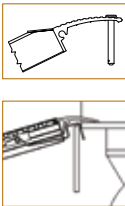


| Model                                                                                   | Item code     |               | Loading capacity per pair kg |         |         | Standard length<br>mm | Length with head type<br>2 mm | Length with head type<br>3 mm | Length with head type<br>4 mm | Internal width<br>A mm | External width<br>B mm | Weight per pair<br>kg |
|-----------------------------------------------------------------------------------------|---------------|---------------|------------------------------|---------|---------|-----------------------|-------------------------------|-------------------------------|-------------------------------|------------------------|------------------------|-----------------------|
|                                                                                         |               |               | 1000 mm                      | 1500 mm | 2000 mm |                       |                               |                               |                               |                        |                        |                       |
| M150/25                                                                                 | MM151BL.40.25 | MM151SL.40.25 | 6870                         | 8000    | 8000    | 2500                  | 2450                          | 2336                          | 2400                          | 340                    | 400                    | 59                    |
| M150/30                                                                                 | MM151BL.40.30 | MM151SL.40.30 | 5150                         | 6870    | 8000    | 3000                  | 2950                          | 2836                          | 2900                          | 340                    | 400                    | 70                    |
| M150/35                                                                                 | MM151BL.40.35 | MM151SL.40.35 | 4120                         | 5150    | 6870    | 3500                  | 3450                          | 3336                          | 3400                          | 340                    | 400                    | 81                    |
| M150/40                                                                                 | MM151BL.40.40 | MM151SL.40.40 | 3435                         | 4120    | 5150    | 4000                  | 3950                          | 3836                          | 3900                          | 340                    | 400                    | 87                    |
| M150/45                                                                                 | MM151BL.40.45 | MM151SL.40.45 | 2945                         | 3435    | 4120    | 4500                  | 4450                          | 4336                          | 4400                          | 340                    | 400                    | 96                    |
| M150/50                                                                                 | MM151BL.40.50 | MM151SL.40.50 | 2575                         | 2945    | 3435    | 5000                  | 4950                          | 4836                          | 4900                          | 340                    | 400                    | 107                   |
| Minimum width of the wheel or track 200 mm. Maximum width of the wheel or track 320 mm. |               |               |                              |         |         |                       |                               |                               |                               |                        |                        |                       |
| M150/25L                                                                                | MM151BL.46.25 | MM151SL.46.25 | 6870                         | 8000    | 8000    | 2500                  | 2450                          | 2336                          | 2400                          | 400                    | 460                    | 64                    |
| M150/30L                                                                                | MM151BL.46.30 | MM151SL.46.30 | 5150                         | 6870    | 8000    | 3000                  | 2950                          | 2836                          | 2900                          | 400                    | 460                    | 76                    |
| M150/35L                                                                                | MM151BL.46.35 | MM151SL.46.35 | 4120                         | 5150    | 6870    | 3500                  | 3450                          | 3336                          | 3400                          | 400                    | 460                    | 87                    |
| M150/40L                                                                                | MM151BL.46.40 | MM151SL.46.40 | 3435                         | 4120    | 5150    | 4000                  | 3950                          | 3836                          | 3900                          | 400                    | 460                    | 93                    |
| M150/45L                                                                                | MM151BL.46.45 | MM151SL.46.45 | 2945                         | 3435    | 4120    | 4500                  | 4450                          | 4336                          | 4400                          | 400                    | 460                    | 103                   |
| M150/50L                                                                                | MM151BL.46.50 | MM151SL.46.50 | 2575                         | 2945    | 3435    | 5000                  | 4950                          | 4836                          | 4900                          | 400                    | 460                    | 115                   |
| Minimum width of the wheel or track 200 mm. Maximum width of the wheel or track 380 mm. |               |               |                              |         |         |                       |                               |                               |                               |                        |                        |                       |

ANCHORING SYSTEMS



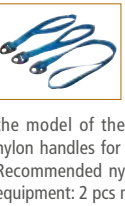
**Carabiner clip with steel chain (standard):** The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

**Steel bracket (on request):** This anchoring system consists of a galvanised steel bracket that must be inserted between the loading bed and the edge of the loading bed. The bracket can be positioned along a large portion of the ramp's width and can also swivel, allowing it to be placed in the optimum position.

HANDLING SYSTEMS



**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected. Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

ANCHORING SYSTEMS

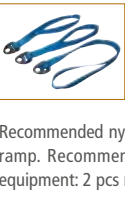


**Carabiner clip with steel chain (standard):** The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS



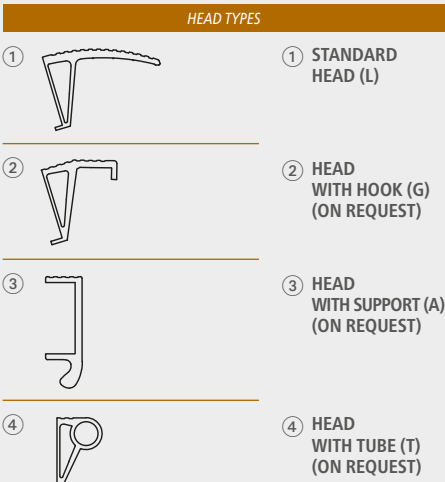
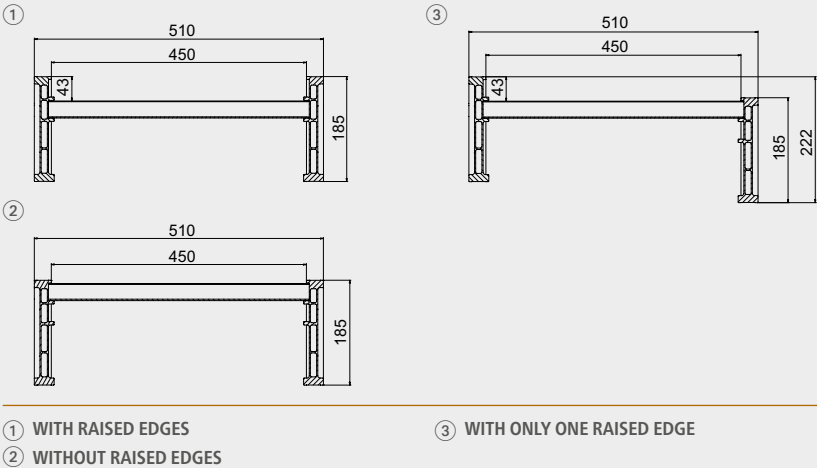
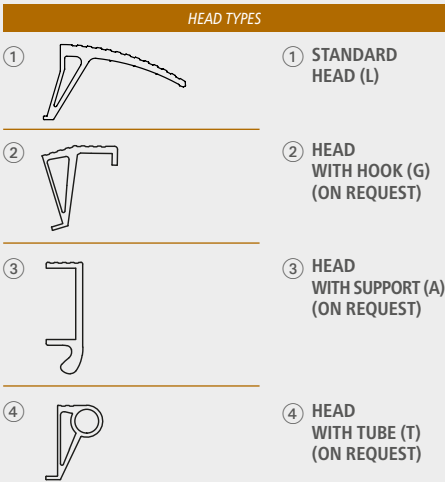
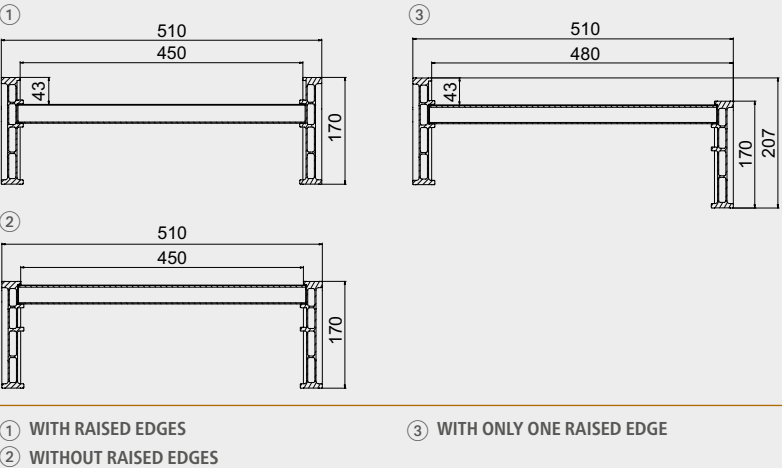
**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected. Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

M170 METALMEC

LOADING RAMPS

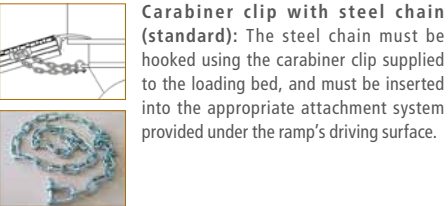
M185 METALMEC



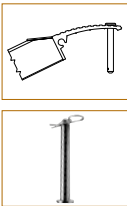
| Model                                                                                   | Item code     |               | Loading capacity per pair kg |         |         | Standard length<br>mm | Length with head type ② mm | Length with head type ③ mm | Length with head type ④ mm | Weight per pair kg |
|-----------------------------------------------------------------------------------------|---------------|---------------|------------------------------|---------|---------|-----------------------|----------------------------|----------------------------|----------------------------|--------------------|
|                                                                                         |               |               | 1000 mm                      | 1500 mm | 2000 mm |                       |                            |                            |                            |                    |
| M170/25                                                                                 | MM171BL.51.25 | MM171SL.51.25 | 9600                         | 10000   | 10000   | 2500                  | 2450                       | 2336                       | 2400                       | 76                 |
| M170/30                                                                                 | MM171BL.51.30 | MM171SL.51.30 | 7200                         | 9600    | 10000   | 3000                  | 2950                       | 2836                       | 2900                       | 89                 |
| M170/35                                                                                 | MM171BL.51.35 | MM171SL.51.35 | 5760                         | 7200    | 9600    | 3500                  | 3450                       | 3336                       | 3400                       | 103                |
| M170/40                                                                                 | MM171BL.51.40 | MM171SL.51.40 | 4800                         | 5760    | 7200    | 4000                  | 3950                       | 3836                       | 3900                       | 117                |
| M170/45                                                                                 | MM171BL.51.45 | MM171SL.51.45 | 4110                         | 4800    | 5760    | 4500                  | 4450                       | 4336                       | 4400                       | 130                |
| M170/50                                                                                 | MM171BL.51.50 | MM171SL.51.50 | 3600                         | 4110    | 4800    | 5000                  | 4950                       | 4836                       | 4900                       | 144                |
| M170/55                                                                                 | MM171BL.51.55 | MM171SL.51.55 | 3200                         | 3600    | 4110    | 5500                  | 5450                       | 5336                       | 5400                       | 158                |
| Minimum width of the wheel or track 200 mm. Maximum width of the wheel or track 430 mm. |               |               |                              |         |         |                       |                            |                            |                            |                    |
| The range is available with only one raised edge.                                       |               |               |                              |         |         |                       |                            |                            |                            |                    |

| Model                                                                                   | Item code     |               | Loading capacity per pair kg |         |         | Standard length<br>mm | Length with head type ② mm | Length with head type ③ mm | Length with head type ④ mm | Weight per pair kg |
|-----------------------------------------------------------------------------------------|---------------|---------------|------------------------------|---------|---------|-----------------------|----------------------------|----------------------------|----------------------------|--------------------|
|                                                                                         |               |               | 1000 mm                      | 1500 mm | 2000 mm |                       |                            |                            |                            |                    |
| M185/25                                                                                 | MM186BL.51.25 | MM186SL.51.25 | 12000                        | 12000   | 12000   | 2462                  | 2400                       | 2286                       | 2350                       | 88                 |
| M185/30                                                                                 | MM186BL.51.30 | MM186SL.51.30 | 8870                         | 12000   | 12000   | 2962                  | 2900                       | 2786                       | 2850                       | 105                |
| M185/35                                                                                 | MM186BL.51.35 | MM186SL.51.35 | 7100                         | 8870    | 12000   | 3462                  | 3400                       | 3286                       | 3350                       | 122                |
| M185/40                                                                                 | MM186BL.51.40 | MM186SL.51.40 | 5910                         | 7100    | 8870    | 3962                  | 3900                       | 3786                       | 3850                       | 127                |
| M185/45                                                                                 | MM186BL.51.45 | MM186SL.51.45 | 5070                         | 5910    | 7100    | 4462                  | 4400                       | 4286                       | 4350                       | 142                |
| M185/50                                                                                 | MM186BL.51.50 | MM186SL.51.50 | 4430                         | 5070    | 5910    | 4962                  | 4900                       | 4786                       | 4850                       | 157                |
| M185/55                                                                                 | MM186BL.51.55 | MM186SL.51.55 | 3940                         | 4430    | 5070    | 5462                  | 5400                       | 5286                       | 5350                       | 172                |
| Minimum width of the wheel or track 200 mm. Maximum width of the wheel or track 430 mm. |               |               |                              |         |         |                       |                            |                            |                            |                    |
| The range is available with only one raised edge.                                       |               |               |                              |         |         |                       |                            |                            |                            |                    |

ANCHORING SYSTEMS



**Carabiner clip with steel chain (standard):** The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS



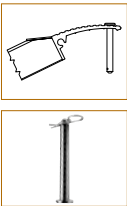
**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

ANCHORING SYSTEMS



**Carabiner clip with steel chain (standard):** The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS



**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

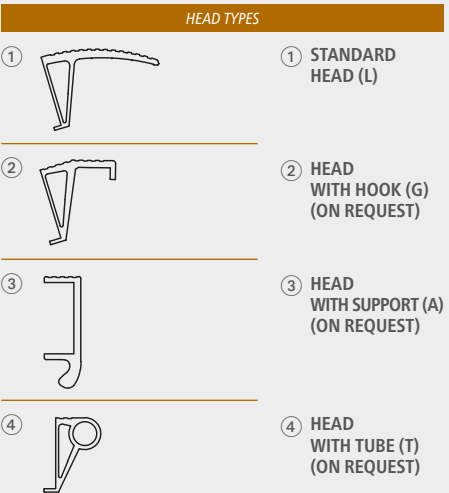
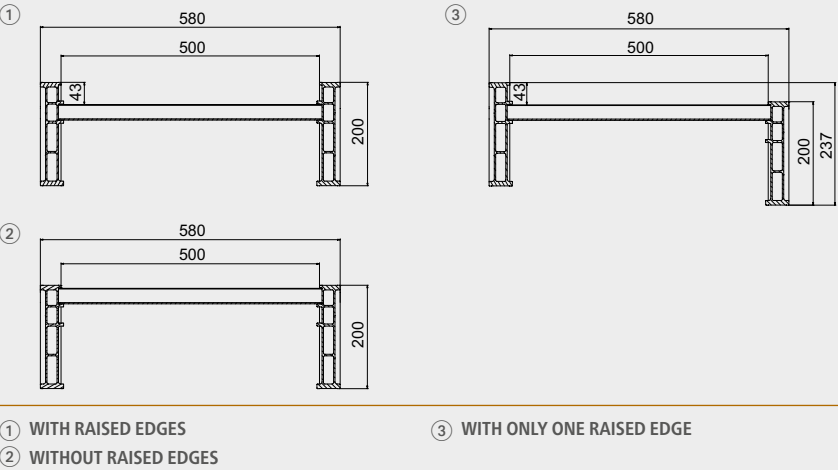
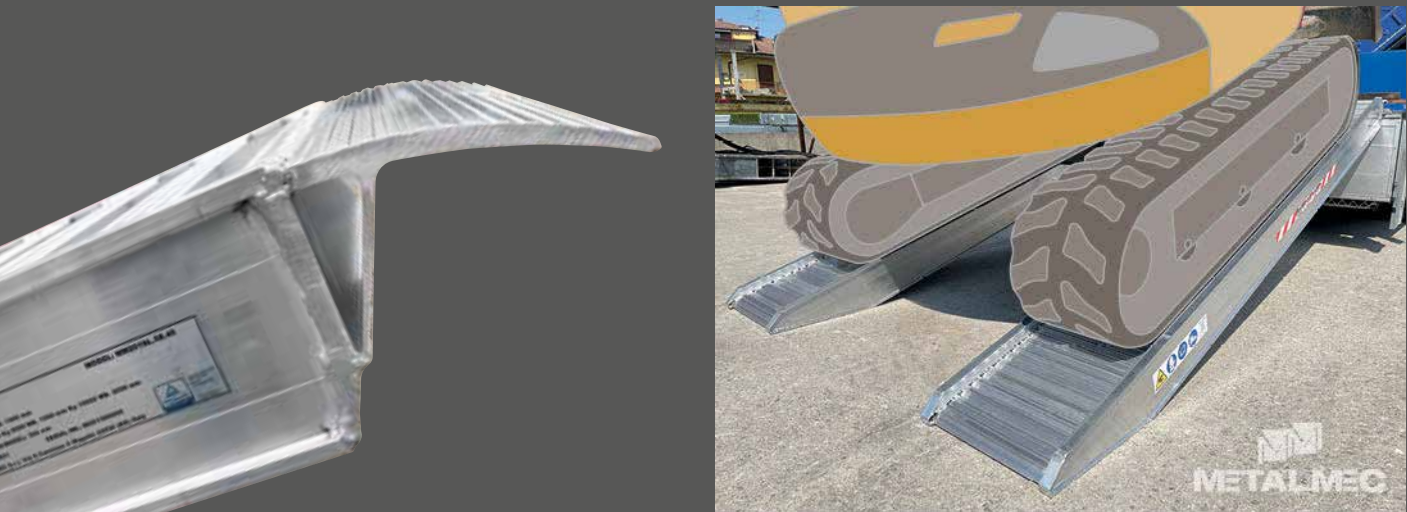
Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

M200 METALMEC

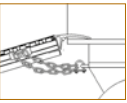
LOADING RAMPS

M230 METALMEC

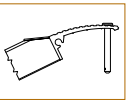


| Model                                                                                   | Item code     |               | Loading capacity per pair kg |         |         | Standard length mm | Length with head type ② mm | Length with head type ③ mm | Length with head type ④ mm | Weight per pair kg |
|-----------------------------------------------------------------------------------------|---------------|---------------|------------------------------|---------|---------|--------------------|----------------------------|----------------------------|----------------------------|--------------------|
|                                                                                         |               |               | 1000 mm                      | 1500 mm | 2000 mm |                    |                            |                            |                            |                    |
| M200/25                                                                                 | MM201BL.58.25 | MM201SL.58.25 | 14000                        | 14000   | 14000   | 2462               | 2400                       | 2286                       | 2350                       | 102                |
| M200/30                                                                                 | MM201BL.58.30 | MM201SL.58.30 | 10620                        | 14000   | 14000   | 2962               | 2900                       | 2786                       | 2850                       | 122                |
| M200/35                                                                                 | MM201BL.58.35 | MM201SL.58.35 | 8500                         | 10620   | 14000   | 3462               | 3400                       | 3286                       | 3350                       | 141                |
| M200/40                                                                                 | MM201BL.58.40 | MM201SL.58.40 | 7080                         | 8500    | 10620   | 3962               | 3900                       | 3786                       | 3850                       | 161                |
| M200/45                                                                                 | MM201BL.58.45 | MM201SL.58.45 | 6070                         | 7080    | 8500    | 4462               | 4400                       | 4286                       | 4350                       | 180                |
| M200/50                                                                                 | MM201BL.58.50 | MM201SL.58.50 | 5310                         | 6070    | 7080    | 4962               | 4900                       | 4786                       | 4850                       | 183                |
| M200/55                                                                                 | MM201BL.58.55 | MM201SL.58.55 | 4720                         | 5310    | 6070    | 5462               | 5400                       | 5286                       | 5350                       | 201                |
| Minimum width of the wheel or track 300 mm. Maximum width of the wheel or track 480 mm. |               |               |                              |         |         |                    |                            |                            |                            |                    |
| The range is available with only one raised edge.                                       |               |               |                              |         |         |                    |                            |                            |                            |                    |

ANCHORING SYSTEMS



Carabiner clip with steel chain (standard): The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



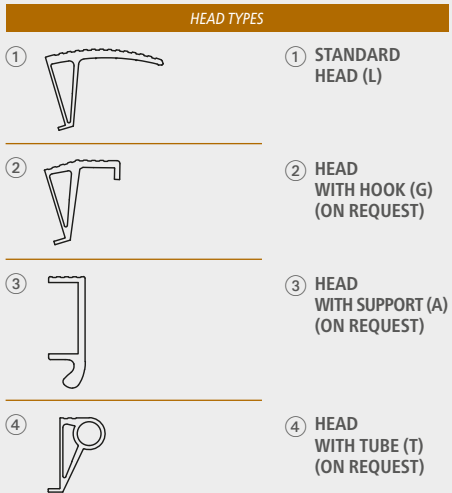
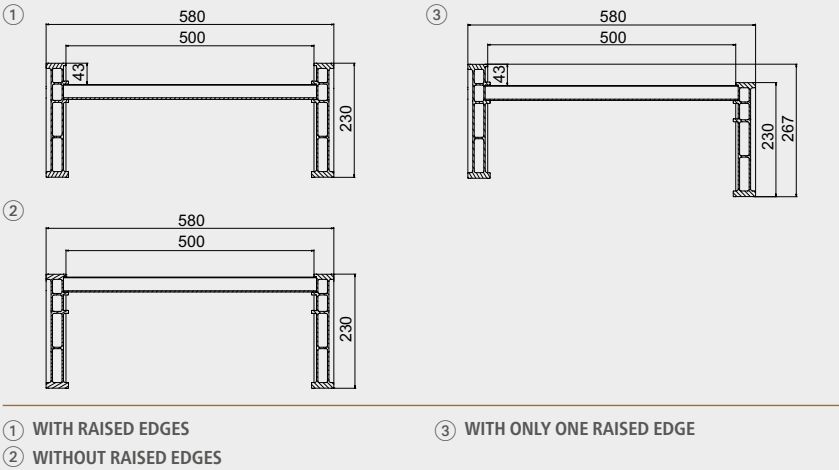
Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS



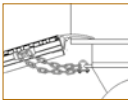
Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

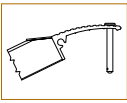


| Model                                                                                   | Item code     |               | Loading capacity per pair kg |         |         | Standard length mm | Length with head type ② mm | Length with head type ③ mm | Length with head type ④ mm | Weight per pair kg |
|-----------------------------------------------------------------------------------------|---------------|---------------|------------------------------|---------|---------|--------------------|----------------------------|----------------------------|----------------------------|--------------------|
|                                                                                         |               |               | 1000 mm                      | 1500 mm | 2000 mm |                    |                            |                            |                            |                    |
| M230/25                                                                                 | MM231BL.58.25 | MM231SL.58.25 | 16000                        | 16000   | 16000   | 2462               | 2400                       | 2286                       | 2350                       | 111                |
| M230/30                                                                                 | MM231BL.58.30 | MM231SL.58.30 | 15010                        | 16000   | 16000   | 2962               | 2900                       | 2786                       | 2850                       | 133                |
| M230/35                                                                                 | MM231BL.58.35 | MM231SL.58.35 | 12000                        | 15010   | 16000   | 3462               | 3400                       | 3286                       | 3350                       | 154                |
| M230/40                                                                                 | MM231BL.58.40 | MM231SL.58.40 | 10000                        | 12000   | 15010   | 3962               | 3900                       | 3786                       | 3850                       | 176                |
| M230/45                                                                                 | MM231BL.58.45 | MM231SL.58.45 | 8570                         | 10000   | 12000   | 4462               | 4400                       | 4286                       | 4350                       | 198                |
| M230/50                                                                                 | MM231BL.58.50 | MM231SL.58.50 | 7500                         | 8570    | 10000   | 4962               | 4900                       | 4786                       | 4850                       | 219                |
| M230/55                                                                                 | MM231BL.58.55 | MM231SL.58.55 | 6670                         | 7500    | 8570    | 5462               | 5400                       | 5286                       | 5350                       | 241                |
| Minimum width of the wheel or track 300 mm. Maximum width of the wheel or track 480 mm. |               |               |                              |         |         |                    |                            |                            |                            |                    |
| The range is available with only one raised edge.                                       |               |               |                              |         |         |                    |                            |                            |                            |                    |

ANCHORING SYSTEMS



Carabiner clip with steel chain (standard): The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS



Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

M120S-AL METALMEC

LOADING RAMPS

M120S-AL METALMEC

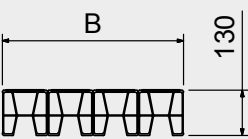
PRODUCT FAMILY:

M120S

MAX. LOADING CAPACITY PER PAIR:

26.300 kg

The extruded aluminium profile used in the production of this range of ramps allows the movement of vehicles weighing up to 26 tonnes. Thanks to the quintet sheet metal covering of the M120S-AL series ramps, they are particularly suitable for moving vehicles with solid rubber tyres or vehicles with rubber tracks. The vulcanised rubber covering of the M120S-R series ramps make them ideal for moving compactor rollers and vehicles with steel tracks. If worn out, the coverings can be replaced separately as they are fixed to the ramps with screws. Replacement coverings can be supplied on request. These ramps are available in various widths with different types of head connections. The range is made without raised edges and the product is supplied with the required anchoring chains.



HEAD TYPES

1

1 STANDARD HEAD (L)

2

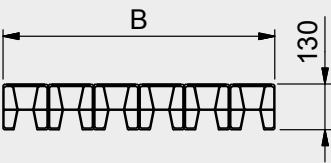
2 HEAD WITH HOOK (G) (ON REQUEST)

3

3 HEAD WITH SUPPORT (A) (ON REQUEST)

4

4 HEAD WITH TUBE (T) (ON REQUEST)



HEAD TYPES

1

1 STANDARD HEAD (L)

2

2 HEAD WITH HOOK (G) (ON REQUEST)

3

3 HEAD WITH SUPPORT (A) (ON REQUEST)

4

4 HEAD WITH TUBE (T) (ON REQUEST)

| Model         | Item code     | Loading capacity per pair kg |         |         | Length mm | External width B mm | Weight per pair kg |
|---------------|---------------|------------------------------|---------|---------|-----------|---------------------|--------------------|
|               |               | 1500 mm                      | 1750 mm | 2000 mm |           |                     |                    |
| M120S/3/20 AL | MM120SL.36.20 | 13200                        | 13200   | 13200   | 2000      | 360                 | 81                 |
| M120S/3/25 AL | MM120SL.36.25 | 13200                        | 13200   | 13200   | 2500      | 360                 | 100                |
| M120S/3/30 AL | MM120SL.36.30 | 9574                         | 11489   | 13200   | 3000      | 360                 | 119                |
| M120S/3/35 AL | MM120SL.36.35 | 7181                         | 8207    | 9574    | 3500      | 360                 | 137                |
| M120S/3/40 AL | MM120SL.36.40 | 5744                         | 6383    | 7181    | 4000      | 360                 | 156                |
| M120S/3/45 AL | MM120SL.36.45 | 4787                         | 5222    | 5744    | 4500      | 360                 | 175                |
| M120S/3/50 AL | MM120SL.36.50 | 4103                         | 4419    | 4787    | 5000      | 360                 | 194                |
| M120S/3/55 AL | MM120SL.36.55 | 3590                         | 3829    | 4103    | 5500      | 360                 | 213                |
| M120S/4/20 AL | MM120SL.48.20 | 17500                        | 17500   | 17500   | 2000      | 480                 | 108                |
| M120S/4/25 AL | MM120SL.48.25 | 17500                        | 17500   | 17500   | 2500      | 480                 | 133                |
| M120S/4/30 AL | MM120SL.48.30 | 12766                        | 15319   | 17500   | 3000      | 480                 | 158                |
| M120S/4/35 AL | MM120SL.48.35 | 9574                         | 10942   | 12766   | 3500      | 480                 | 183                |
| M120S/4/40 AL | MM120SL.48.40 | 7659                         | 8511    | 9574    | 4000      | 480                 | 208                |
| M120S/4/45 AL | MM120SL.48.45 | 6383                         | 6963    | 7659    | 4500      | 480                 | 234                |
| M120S/4/50 AL | MM120SL.48.50 | 5471                         | 5892    | 6383    | 5000      | 480                 | 259                |
| M120S/4/55 AL | MM120SL.48.55 | 4787                         | 5106    | 5471    | 5500      | 480                 | 284                |

ANCHORING SYSTEMS

Carabiner clip with steel chain (standard): The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.

Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS

Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

| Model         | Item code     | Loading capacity per pair kg |         |         | Length mm | External width B mm | Weight per pair kg |
|---------------|---------------|------------------------------|---------|---------|-----------|---------------------|--------------------|
|               |               | 1500 mm                      | 1750 mm | 2000 mm |           |                     |                    |
| M120S/5/20 AL | MM120SL.60.20 | 21700                        | 21700   | 21700   | 2000      | 600                 | 135                |
| M120S/5/25 AL | MM120SL.60.25 | 21700                        | 21700   | 21700   | 2500      | 600                 | 166                |
| M120S/5/30 AL | MM120SL.60.30 | 15958                        | 19149   | 21700   | 3000      | 600                 | 198                |
| M120S/5/35 AL | MM120SL.60.35 | 11968                        | 13678   | 15958   | 3500      | 600                 | 229                |
| M120S/5/40 AL | MM120SL.60.40 | 9574                         | 10638   | 11968   | 4000      | 600                 | 260                |
| M120S/5/45 AL | MM120SL.60.45 | 7979                         | 8704    | 9574    | 4500      | 600                 | 292                |
| M120S/5/50 AL | MM120SL.60.50 | 6839                         | 7365    | 7979    | 5000      | 600                 | 323                |
| M120S/5/55 AL | MM120SL.60.55 | 5984                         | 6383    | 6839    | 5500      | 600                 | 355                |
| M120S/6/20 AL | MM120SL.72.20 | 26300                        | 26300   | 26300   | 2000      | 720                 | 162                |
| M120S/6/25 AL | MM120SL.72.25 | 26300                        | 26300   | 26300   | 2500      | 720                 | 200                |
| M120S/6/30 AL | MM120SL.72.30 | 19149                        | 22979   | 26300   | 3000      | 720                 | 237                |
| M120S/6/35 AL | MM120SL.72.35 | 14362                        | 16414   | 19149   | 3500      | 720                 | 275                |
| M120S/6/40 AL | MM120SL.72.40 | 11489                        | 12766   | 14362   | 4000      | 720                 | 312                |
| M120S/6/45 AL | MM120SL.72.45 | 9574                         | 10445   | 11489   | 4500      | 720                 | 350                |
| M120S/6/50 AL | MM120SL.72.50 | 8207                         | 8838    | 9574    | 5000      | 720                 | 388                |
| M120S/6/55 AL | MM120SL.72.55 | 7181                         | 7659    | 8207    | 5500      | 720                 | 426                |

ANCHORING SYSTEMS

Carabiner clip with steel chain (standard): The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.

Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS

Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

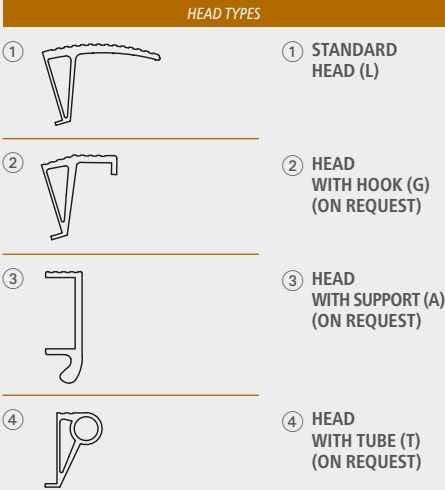
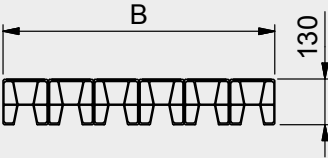
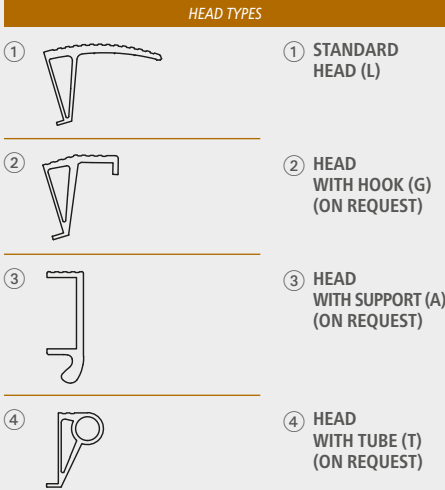
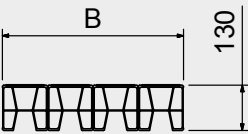
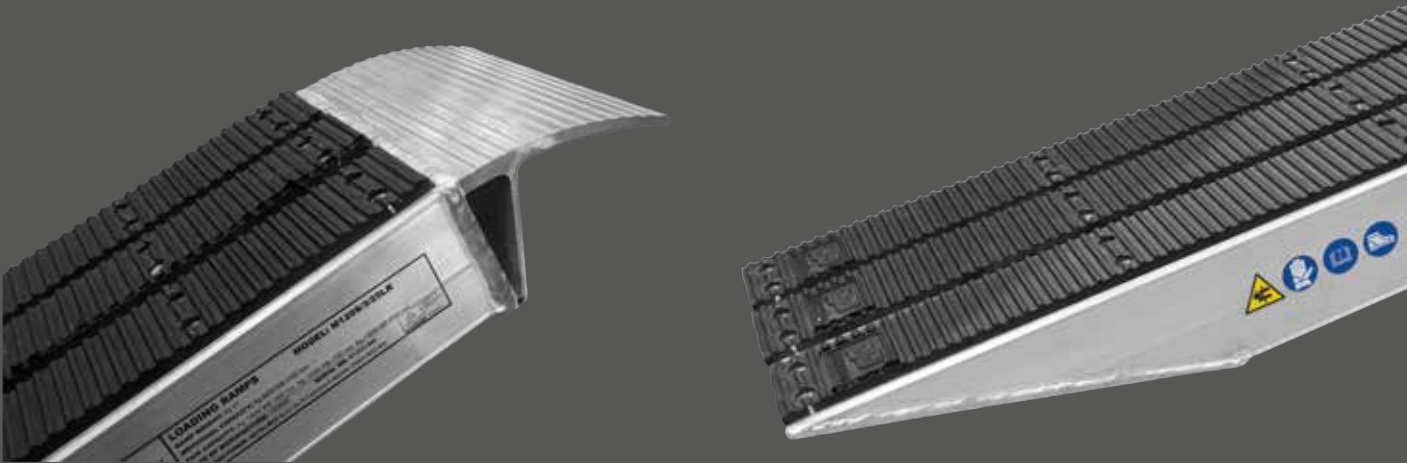
Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

M120S-R METALMEC

LOADING RAMPS

M120S-R METALMEC

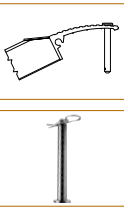


| Model        | Item code     | Loading capacity per pair kg |         |         | Length mm | External width B mm | Weight per pair kg |
|--------------|---------------|------------------------------|---------|---------|-----------|---------------------|--------------------|
|              |               | 1500 mm                      | 1750 mm | 2000 mm |           |                     |                    |
| M120S/3/20 R | MM121SL.36.20 | 13200                        | 13200   | 13200   | 2000      | 360                 | 98                 |
| M120S/3/25 R | MM121SL.36.25 | 13200                        | 13200   | 13200   | 2500      | 360                 | 122                |
| M120S/3/30 R | MM121SL.36.30 | 9574                         | 11489   | 13200   | 3000      | 360                 | 146                |
| M120S/3/35 R | MM121SL.36.35 | 7181                         | 8207    | 9574    | 3500      | 360                 | 169                |
| M120S/3/40 R | MM121SL.36.40 | 5744                         | 6383    | 7181    | 4000      | 360                 | 193                |
| M120S/3/45 R | MM121SL.36.45 | 4787                         | 5222    | 5744    | 4500      | 360                 | 217                |
| M120S/3/50 R | MM121SL.36.50 | 4103                         | 4419    | 4787    | 5000      | 360                 | 240                |
| M120S/3/55 R | MM121SL.36.55 | 3590                         | 3829    | 4103    | 5500      | 360                 | 264                |
| M120S/4/20 R | MM121SL.48.20 | 17500                        | 17500   | 17500   | 2000      | 480                 | 131                |
| M120S/4/25 R | MM121SL.48.25 | 17500                        | 17500   | 17500   | 2500      | 480                 | 162                |
| M120S/4/30 R | MM121SL.48.30 | 12766                        | 15319   | 17500   | 3000      | 480                 | 194                |
| M120S/4/35 R | MM121SL.48.35 | 9574                         | 10942   | 12766   | 3500      | 480                 | 226                |
| M120S/4/40 R | MM121SL.48.40 | 7659                         | 8511    | 9574    | 4000      | 480                 | 257                |
| M120S/4/45 R | MM121SL.48.45 | 6383                         | 6963    | 7659    | 4500      | 480                 | 289                |
| M120S/4/50 R | MM121SL.48.50 | 5471                         | 5892    | 6383    | 5000      | 480                 | 320                |
| M120S/4/55 R | MM121SL.48.55 | 4787                         | 5106    | 5471    | 5500      | 480                 | 352                |

ANCHORING SYSTEMS



Carabiner clip with steel chain (standard): The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS



Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

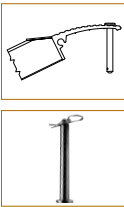
Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

| Model        | Item code     | Loading capacity per pair kg |         |         | Length mm | External width B mm | Weight per pair kg |
|--------------|---------------|------------------------------|---------|---------|-----------|---------------------|--------------------|
|              |               | 1500 mm                      | 1750 mm | 2000 mm |           |                     |                    |
| M120S/5/20 R | MM121SL.60.20 | 21700                        | 21700   | 21700   | 2000      | 600                 | 163                |
| M120S/5/25 R | MM121SL.60.25 | 21700                        | 21700   | 21700   | 2500      | 600                 | 203                |
| M120S/5/30 R | MM121SL.60.30 | 15958                        | 19149   | 21700   | 3000      | 600                 | 243                |
| M120S/5/35 R | MM121SL.60.35 | 11968                        | 13678   | 15958   | 3500      | 600                 | 282                |
| M120S/5/40 R | MM121SL.60.40 | 9574                         | 10638   | 11968   | 4000      | 600                 | 321                |
| M120S/5/45 R | MM121SL.60.45 | 7979                         | 8704    | 9574    | 4500      | 600                 | 361                |
| M120S/5/50 R | MM121SL.60.50 | 6839                         | 7365    | 7979    | 5000      | 600                 | 400                |
| M120S/5/55 R | MM121SL.60.55 | 5984                         | 6383    | 6839    | 5500      | 600                 | 440                |
| M120S/6/20 R | MM121SL.72.20 | 26300                        | 26300   | 26300   | 2000      | 720                 | 196                |
| M120S/6/25 R | MM121SL.72.25 | 26300                        | 26300   | 26300   | 2500      | 720                 | 244                |
| M120S/6/30 R | MM121SL.72.30 | 19149                        | 22979   | 26300   | 3000      | 720                 | 291                |
| M120S/6/35 R | MM121SL.72.35 | 14362                        | 16414   | 19149   | 3500      | 720                 | 339                |
| M120S/6/40 R | MM121SL.72.40 | 11489                        | 12766   | 14362   | 4000      | 720                 | 385                |
| M120S/6/45 R | MM121SL.72.45 | 9574                         | 10445   | 11489   | 4500      | 720                 | 433                |
| M120S/6/50 R | MM121SL.72.50 | 8207                         | 8838    | 9574    | 5000      | 720                 | 480                |
| M120S/6/55 R | MM121SL.72.55 | 7181                         | 7659    | 8207    | 5500      | 720                 | 528                |

ANCHORING SYSTEMS



Carabiner clip with steel chain (standard): The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS



Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

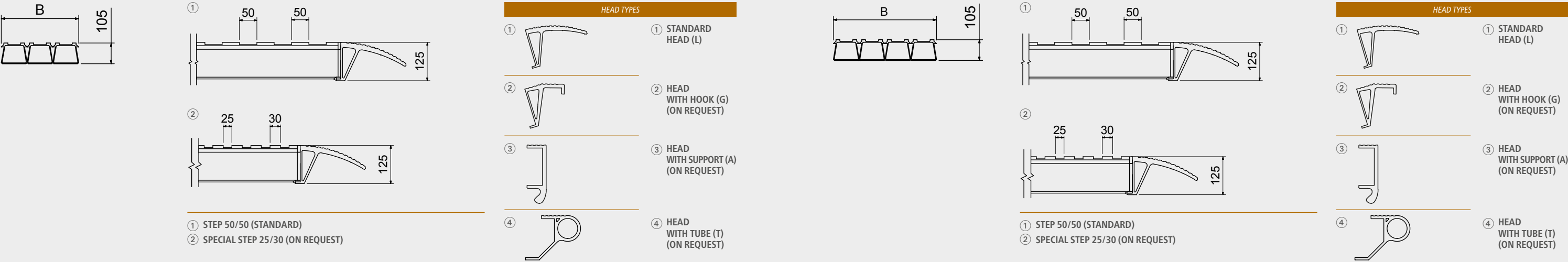
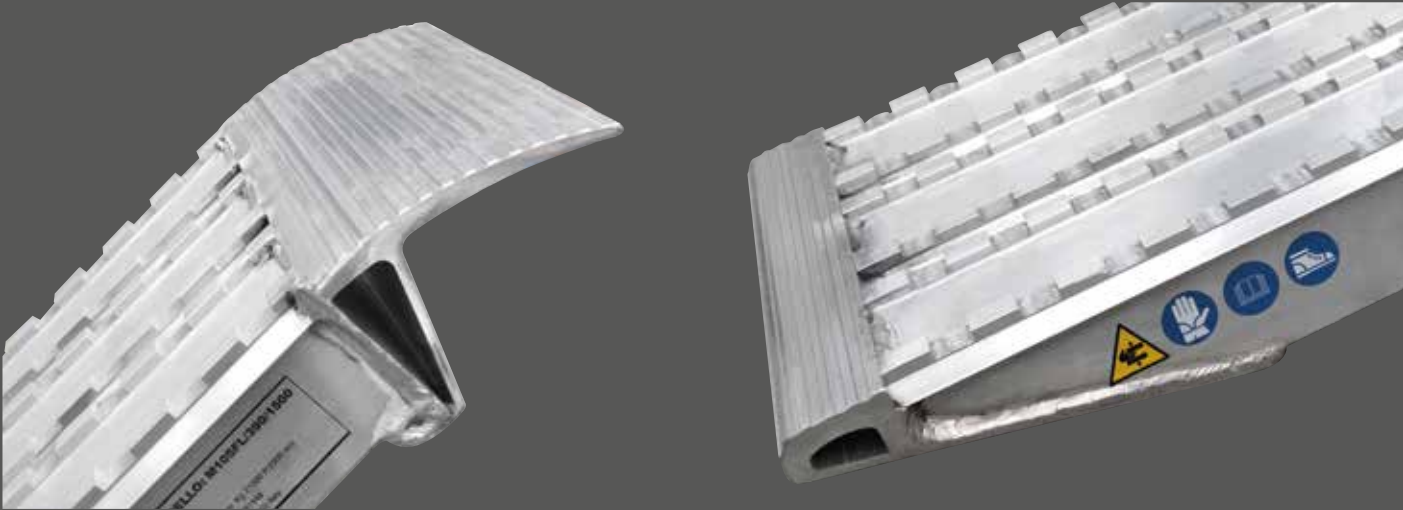
M105F METALMEC

LOADING RAMPS

M105F METALMEC

PRODUCT FAMILY:  
**M105F M120F M130F**  
MAX. LOADING CAPACITY PER PAIR:  
**58.000 kg**

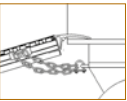
To meet the requirements of people who need to move vehicles with very heavy loads in complete safety, Metalmec has designed this range of products which, together with the profiles used and the mechanical processes implemented in their production, ensure excellent performance. The range comes milled in 50/50 mm steps as standard and is particularly suitable for moving heavy vehicles with steel tracks. On request, the product can be milled in short 25/30 mm steps should the user wish to move heavy vehicles with solid rubber wheels. Available in various widths and with different types of head connections, they are particularly valued by manufacturers of heavy trailers as they are perfectly suited to their needs. The range is made without raised edges and the product is supplied with the required anchoring chains.



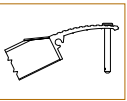
|                |               | Loading capacity per pair kg |            |            |              |                        |                       |
|----------------|---------------|------------------------------|------------|------------|--------------|------------------------|-----------------------|
| Model          | Item code     | Wheelbase                    |            |            | Length<br>mm | External width<br>B mm | Weight per pair<br>kg |
|                |               | 1000<br>mm                   | 1500<br>mm | 2000<br>mm |              |                        |                       |
| M105F/390/1000 | MM105SL.39.10 | 21500                        | 21500      | 21500      | 1000         | 390                    | 41                    |
| M105F/390/1500 | MM105SL.39.15 | 21500                        | 21500      | 21500      | 1500         | 390                    | 57                    |
| M105F/390/2000 | MM105SL.39.20 | 13720                        | 21500      | 21500      | 2000         | 390                    | 73                    |
| M105F/390/2500 | MM105SL.39.25 | 9145                         | 13720      | 18000      | 2500         | 390                    | 89                    |
| M105F/390/3000 | MM105SL.39.30 | 6860                         | 9145       | 13720      | 3000         | 390                    | 105                   |
| M105F/390/3500 | MM105SL.39.35 | 5485                         | 6860       | 9145       | 3500         | 390                    | 121                   |
| M105F/390/4000 | MM105SL.39.40 | 4575                         | 5485       | 6860       | 4000         | 390                    | 137                   |
| M105F/390/4500 | MM105SL.39.45 | 3920                         | 4575       | 5485       | 4500         | 390                    | 153                   |
| M105F/390/5000 | MM105SL.39.50 | 3430                         | 3920       | 4575       | 5000         | 390                    | 168                   |

|                |               | Loading capacity per pair kg |            |            |              |                        |                          |
|----------------|---------------|------------------------------|------------|------------|--------------|------------------------|--------------------------|
| Model          | Item code     | Wheelbase                    |            |            | Length<br>mm | External width<br>B mm | Weight<br>per pair<br>kg |
|                |               | 1000<br>mm                   | 1500<br>mm | 2000<br>mm |              |                        |                          |
| M105F/520/1000 | MM105SL.52.10 | 29000                        | 29000      | 29000      | 1000         | 520                    | 55                       |
| M105F/520/1500 | MM105SL.52.15 | 29000                        | 29000      | 29000      | 1500         | 520                    | 76                       |
| M105F/520/2000 | MM105SL.52.20 | 18290                        | 29000      | 29000      | 2000         | 520                    | 98                       |
| M105F/520/2500 | MM105SL.52.25 | 12195                        | 18290      | 22000      | 2500         | 520                    | 119                      |
| M105F/520/3000 | MM105SL.52.30 | 9145                         | 12195      | 18290      | 3000         | 520                    | 140                      |
| M105F/520/3500 | MM105SL.52.35 | 7315                         | 9145       | 12195      | 3500         | 520                    | 161                      |
| M105F/520/4000 | MM105SL.52.40 | 6095                         | 7315       | 9145       | 4000         | 520                    | 183                      |
| M105F/520/4500 | MM105SL.52.45 | 5225                         | 6095       | 7315       | 4500         | 520                    | 204                      |
| M105F/520/5000 | MM105SL.52.50 | 4575                         | 5225       | 6095       | 5000         | 520                    | 225                      |

ANCHORING SYSTEMS



**Carabiner clip with steel chain (standard):** The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

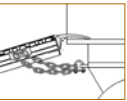
HANDLING SYSTEMS



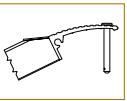
**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

ANCHORING SYSTEMS



**Carabiner clip with steel chain (standard):** The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



**Steel pin (on request):** A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS



**Nylon handles (on request):** The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

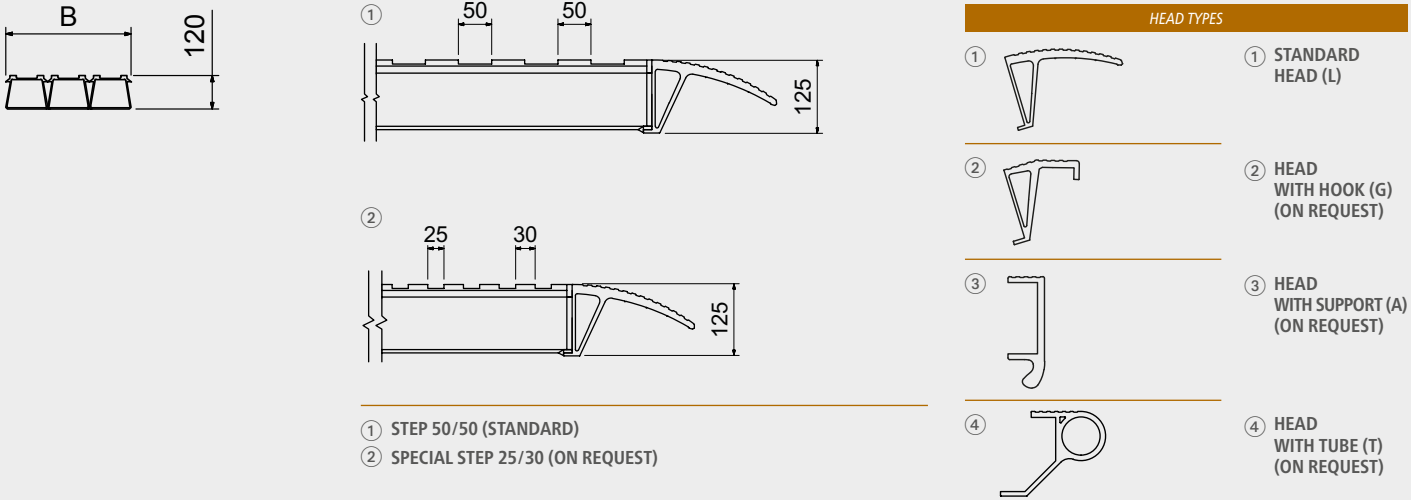
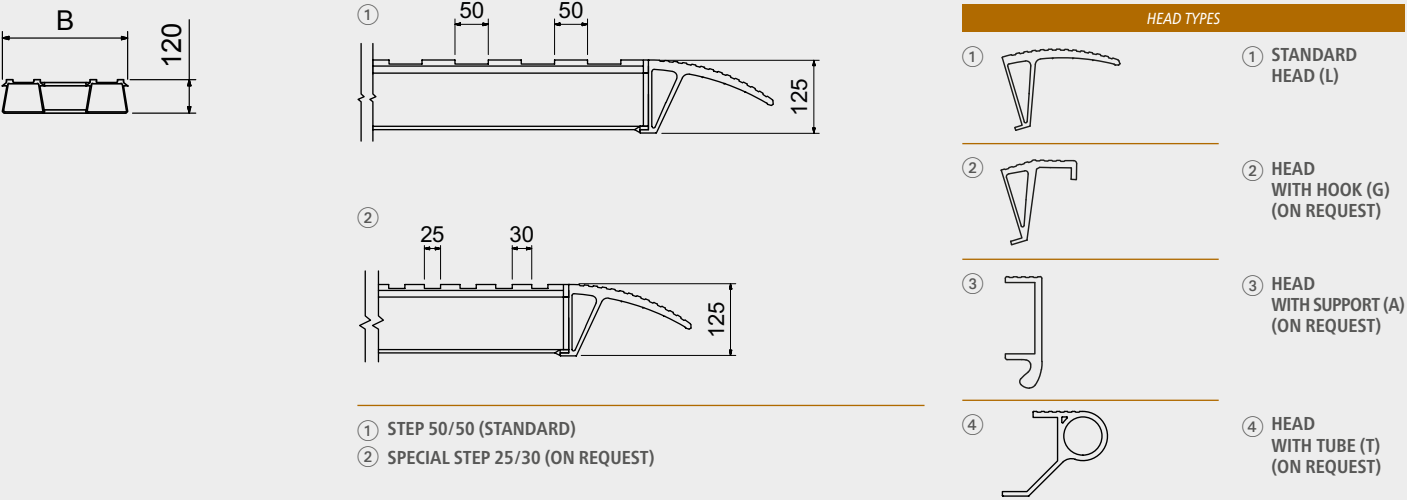
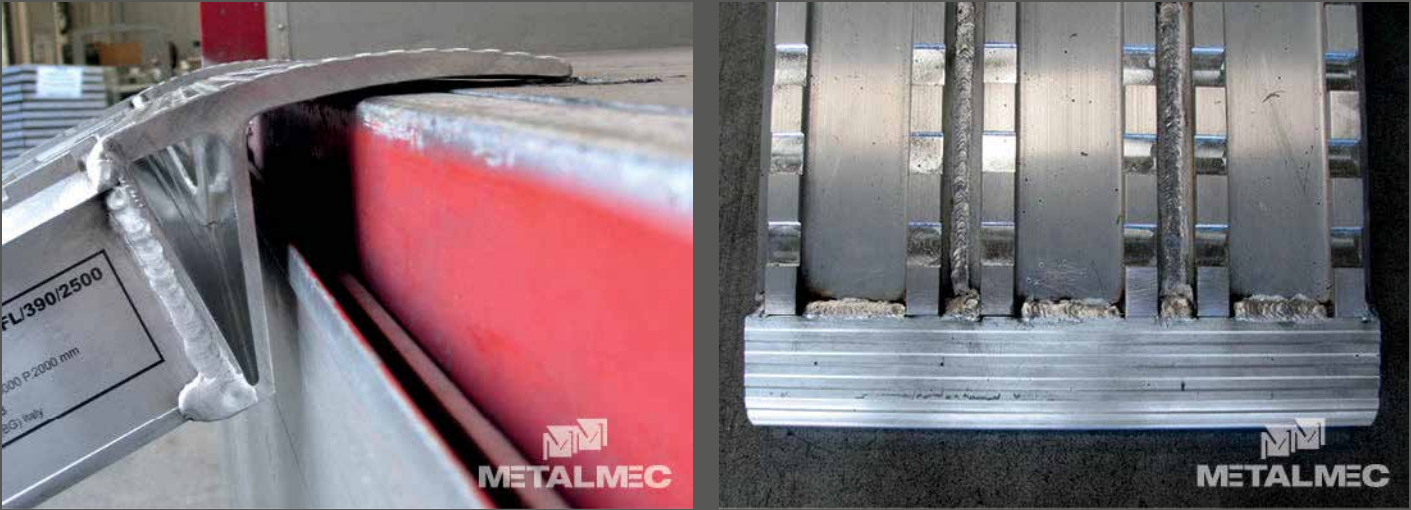
Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

M120F METALMEC

LOADING RAMPS

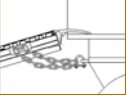
M120F METALMEC



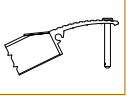
|                |               | Loading capacity per pair kg |            |            |              |                           |                          |
|----------------|---------------|------------------------------|------------|------------|--------------|---------------------------|--------------------------|
| Model          | Item code     | Wheelbase                    |            |            | Length<br>mm | External<br>width<br>B mm | Weight<br>per pair<br>kg |
|                |               | 1000<br>mm                   | 1500<br>mm | 2000<br>mm |              |                           |                          |
| M120F/390/1000 | MM122SL.39.10 | 21500                        | 21500      | 21500      | 1000         | 390                       | 39                       |
| M120F/390/1500 | MM122SL.39.15 | 21500                        | 21500      | 21500      | 1500         | 390                       | 52                       |
| M120F/390/2000 | MM122SL.39.20 | 13410                        | 21500      | 21500      | 2000         | 390                       | 67                       |
| M120F/390/2500 | MM122SL.39.25 | 8940                         | 13410      | 18000      | 2500         | 390                       | 81                       |
| M120F/390/3000 | MM122SL.39.30 | 6705                         | 8940       | 13410      | 3000         | 390                       | 94                       |
| M120F/390/3500 | MM122SL.39.35 | 5365                         | 6705       | 8940       | 3500         | 390                       | 107                      |
| M120F/390/4000 | MM122SL.39.40 | 4470                         | 5365       | 6705       | 4000         | 390                       | 122                      |
| M120F/390/4500 | MM122SL.39.45 | 3830                         | 4470       | 5365       | 4500         | 390                       | 136                      |
| M120F/390/5000 | MM122SL.39.50 | 3350                         | 3830       | 4470       | 5000         | 390                       | 149                      |

|                |               | Loading capacity per pair kg |            |            |              |                           |                          |
|----------------|---------------|------------------------------|------------|------------|--------------|---------------------------|--------------------------|
| Model          | Item code     | Wheelbase                    |            |            | Length<br>mm | External<br>width<br>B mm | Weight<br>per pair<br>kg |
|                |               | 1000<br>mm                   | 1500<br>mm | 2000<br>mm |              |                           |                          |
| M120F/450/1000 | MM122SL.45.10 | 29000                        | 29000      | 29000      | 1000         | 450                       | 51                       |
| M120F/450/1500 | MM122SL.45.15 | 29000                        | 29000      | 29000      | 1500         | 450                       | 71                       |
| M120F/450/2000 | MM122SL.45.20 | 20115                        | 29000      | 29000      | 2000         | 450                       | 91                       |
| M120F/450/2500 | MM122SL.45.25 | 13410                        | 20115      | 22000      | 2500         | 450                       | 112                      |
| M120F/450/3000 | MM122SL.45.30 | 10055                        | 13410      | 20115      | 3000         | 450                       | 132                      |
| M120F/450/3500 | MM122SL.45.35 | 8045                         | 10055      | 13410      | 3500         | 450                       | 152                      |
| M120F/450/4000 | MM122SL.45.40 | 6705                         | 8045       | 10055      | 4000         | 450                       | 172                      |
| M120F/450/4500 | MM122SL.45.45 | 5745                         | 6705       | 8045       | 4500         | 450                       | 192                      |
| M120F/450/5000 | MM122SL.45.50 | 5030                         | 5745       | 6705       | 5000         | 450                       | 212                      |

ANCHORING SYSTEMS



Carabiner clip with steel chain (standard): The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

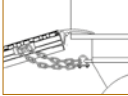
HANDLING SYSTEMS



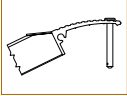
Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

ANCHORING SYSTEMS



Carabiner clip with steel chain (standard): The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.



Steel pin (on request): A galvanised steel pin with a diameter of 14 mm and a 24-mm-diameter head can be inserted through the holes in the standard head connection of the ramp and the loading bed.

HANDLING SYSTEMS



Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

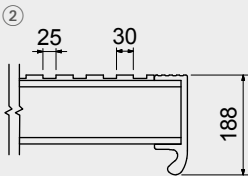
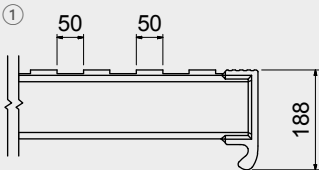
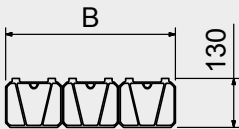
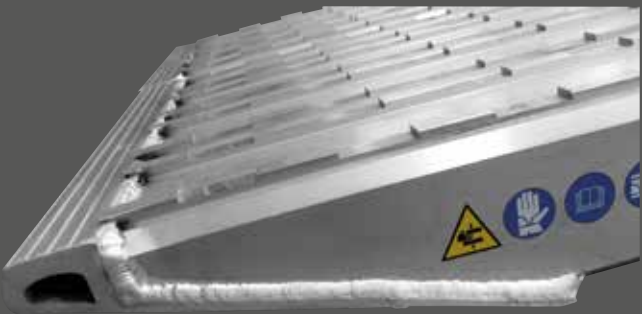
Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

LOADING RAMPS

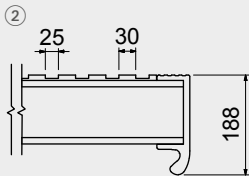
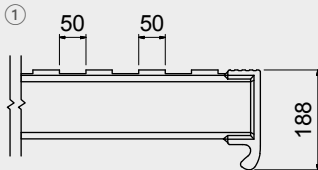
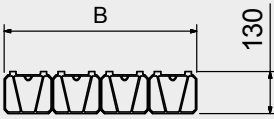
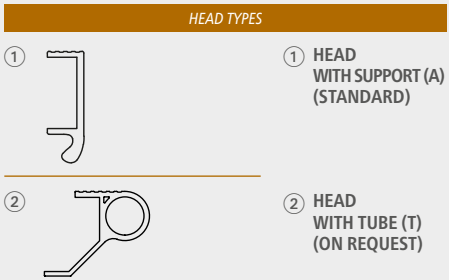
M130F METALMEC

LOADING RAMPS

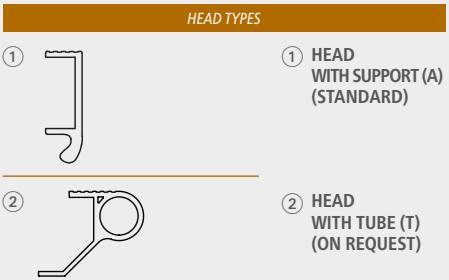
M130F METALMEC



- ① STEP 50/50 (STANDARD)
- ② SPECIAL STEP 25/30 (ON REQUEST)



- ① STEP 50/50 (STANDARD)
- ② SPECIAL STEP 25/30 (ON REQUEST)



|                |               | Loading capacity per pair kg |            |            |              |                        |                          |
|----------------|---------------|------------------------------|------------|------------|--------------|------------------------|--------------------------|
| Model          | Item code     | Wheelbase                    |            |            | Length<br>mm | External width<br>B mm | Weight<br>per pair<br>kg |
|                |               | 1000<br>mm                   | 1500<br>mm | 2000<br>mm |              |                        |                          |
| M130F/450/1000 | MM130SA.45.10 | 50000                        | 50000      | 50000      | 1000         | 465                    | 64                       |
| M130F/450/1500 | MM130SA.45.15 | 40000                        | 40000      | 40000      | 1500         | 465                    | 91                       |
| M130F/450/2000 | MM130SA.45.20 | 27000                        | 40000      | 40000      | 2000         | 465                    | 117                      |
| M130F/450/2500 | MM130SA.45.25 | 17000                        | 23000      | 34000      | 2500         | 465                    | 144                      |
| M130F/450/3000 | MM130SA.45.30 | 13300                        | 17500      | 26200      | 3000         | 465                    | 170                      |
| M130F/450/3500 | MM130SA.45.35 | 10700                        | 13100      | 18000      | 3500         | 465                    | 197                      |
| M130F/450/4000 | MM130SA.45.40 | 8800                         | 10300      | 14000      | 4000         | 465                    | 224                      |
| M130F/450/4500 | MM130SA.45.45 | 7400                         | 8500       | 10500      | 4500         | 465                    | 250                      |
| M130F/450/5000 | MM130SA.45.50 | 6500                         | 7400       | 8500       | 5000         | 465                    | 277                      |

|                |               | Loading capacity per pair kg |            |            |              |                        |                          |
|----------------|---------------|------------------------------|------------|------------|--------------|------------------------|--------------------------|
| Model          | Item code     | Wheelbase                    |            |            | Length<br>mm | External width<br>B mm | Weight<br>per pair<br>kg |
|                |               | 1000<br>mm                   | 1500<br>mm | 2000<br>mm |              |                        |                          |
| M130F/600/1000 | MM130SA.60.10 | 58000                        | 58000      | 58000      | 1000         | 615                    | 85                       |
| M130F/600/1500 | MM130SA.60.15 | 46500                        | 50000      | 50000      | 1500         | 615                    | 121                      |
| M130F/600/2000 | MM130SA.60.20 | 37000                        | 45000      | 50000      | 2000         | 615                    | 156                      |
| M130F/600/2500 | MM130SA.60.25 | 27000                        | 34000      | 48000      | 2500         | 615                    | 192                      |
| M130F/600/3000 | MM130SA.60.30 | 19500                        | 25000      | 36000      | 3000         | 615                    | 227                      |
| M130F/600/3500 | MM130SA.60.35 | 15800                        | 19000      | 26100      | 3500         | 615                    | 263                      |
| M130F/600/4000 | MM130SA.60.40 | 13100                        | 15600      | 19000      | 4000         | 615                    | 298                      |
| M130F/600/4500 | MM130SA.60.45 | 10000                        | 11000      | 12000      | 4500         | 615                    | 334                      |
| M130F/600/5000 | MM130SA.60.50 | 8500                         | 9500       | 10500      | 5000         | 615                    | 370                      |

ANCHORING SYSTEMS



Carabiner clip with steel chain (standard): The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.

HANDLING SYSTEMS



Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

ANCHORING SYSTEMS



Carabiner clip with steel chain (standard): The steel chain must be hooked using the carabiner clip supplied to the loading bed, and must be inserted into the appropriate attachment system provided under the ramp's driving surface.

HANDLING SYSTEMS



Nylon handles (on request): The product can be supplied with robust nylon handles to facilitate handling. Available in lengths of 30 cm and 60 cm, according to the model of the product selected.

Recommended nylon handles for manual handling: 4 pcs each ramp. Recommended nylon handles for handling by lifting equipment: 2 pcs minimum each ramp.

HEAVY-DUTY WEDGES AND BRIDGES

M133



PRODUCT FAMILY:

M133

MAX. LOADING CAPACITY PER PAIR:

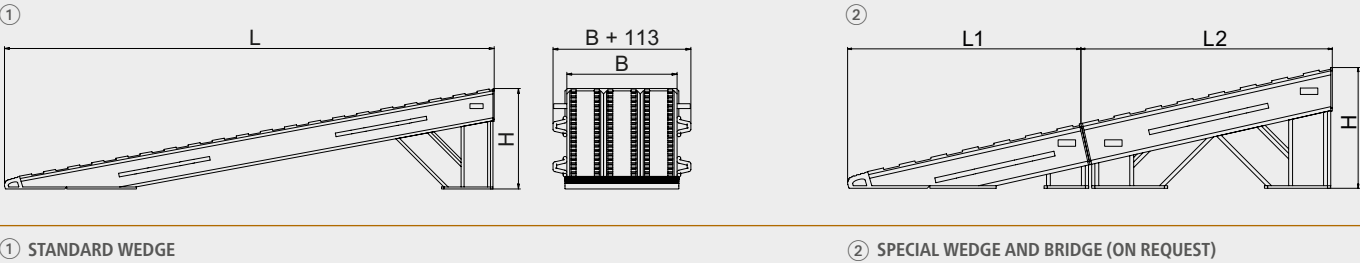
48.000 kg

The loading system wedge with bridge, made with milled profiles with high mechanical characteristics, is the ideal solution to overcome small loading heights with heavy concentrated loads vehicles.

The wedge can be used individually or extended through the use of a bridge in order to overcome loading heights up to 500 mm.

The system is provided with safety rings to secure the structure through the chains and aluminium handles to facilitate the handling of each element.

The product can be customized according to your needs.



| Item code     | Loading capacity per pair kg<br>Wheelbase<br>2000 mm | Length<br>L* mm | External width<br>B mm | Height<br>H* mm | Weight<br>per pair<br>kg |
|---------------|------------------------------------------------------|-----------------|------------------------|-----------------|--------------------------|
| MM133S0.45.25 | 34000                                                | 2500            | 450                    | 500             | 180                      |
| MM133S0.60.25 | 48000                                                | 2500            | 600                    | 500             | 240                      |

\* Dimensions can be modified according to your load requirements. Please contact us for further details.

SUPPORT STANDS

M136



PRODUCT FAMILY:

M136

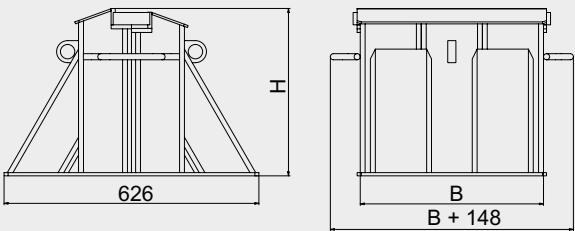
MAX. LOADING CAPACITY PER PAIR:

50.000 kg

The ramps with support stand system allows the loading of vehicles that cannot overcome steep slopes. The system is modular: this way the weight of each element is reduced, making it easy to install and to move them.

The support stand guarantees maximum stability to the system for transit in total safety and can be adjusted to every ramp model available on our catalogue.

The product can be customized according to your needs.



| Item code     | Loading capacity<br>per pair kg | External width<br>B mm | Height<br>H* mm | Weight per pair<br>kg |
|---------------|---------------------------------|------------------------|-----------------|-----------------------|
| MM136S0.45.06 | 37500                           | 450                    | 610             | 96                    |
| MM136S0.60.06 | 50000                           | 600                    | 610             | 128                   |

\* Dimensions can be modified according to your load requirements. Please contact us for further details.

RAMPS BRIDGES AND TAIL LIFTS

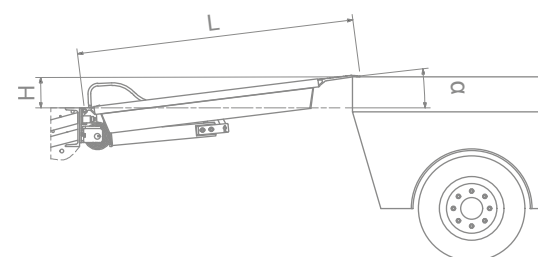


The range of ramps, bridges and tail lifts produced by Metaltec is able to meet professional requirements for loading and unloading vehicles and equipment, particularly those of logistics companies, goods transport vehicle suppliers and truck/trailer manufacturers. With the ability to move vehicles weighing between 300 kg and 7500 kg (manual pallet trucks, electric pallet trucks, forklifts, etc.), whatever your needs for overcoming positive or negative height differences, our range of standard or customised products is sure to provide you with a solution that will guarantee you the best in terms of quality, durability and safety.

## HOW TO DETERMINE THE LENGTH OF THE BRIDGE OR TAIL LIFT

During use, the inclination ( $\alpha$ ) of the bridge or tail lift must not exceed a maximum slope of 12.5% (in accordance with the UNI EN 1398:2009 standard). In order to establish the minimum length (L) of the bridge or tail lift to a good approximation, apply the following formula:

$$\text{LENGTH OF BRIDGE OR TAIL LIFT IN MILLIMETRES (L)} = \frac{\text{HEIGHT DIFFERENCE IN MILLIMETRES (H) X 100}}{\% \text{ MAXIMUM SLOPE } (\alpha)}$$



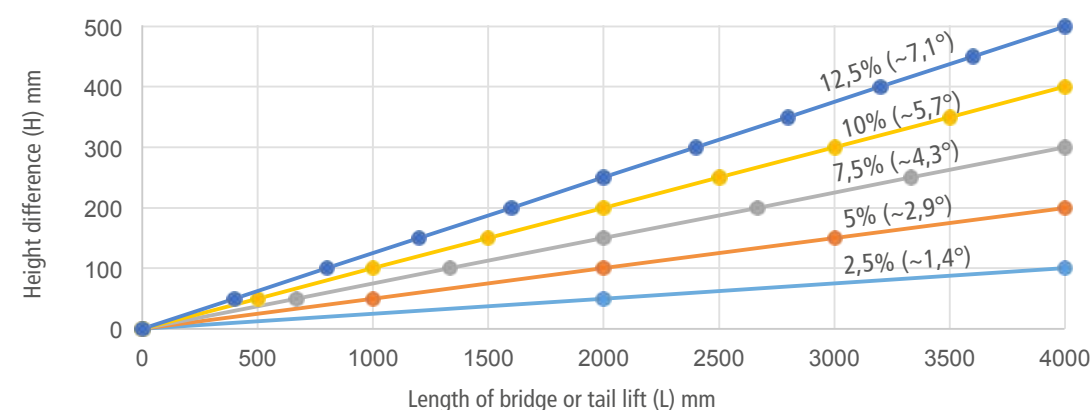
Height difference (H) refers to the height of the loading bed from the fulcrum of the bridge or tail lift.

The maximum slope ( $\alpha$ ) depends on the vehicle used during the loading and unloading activity. In this respect we recommend, for safe operation, the following maximum slopes based on some of the vehicles used in logistics:

4% for manual pallet trucks, 8% for walk-behind electric pallet trucks and 12% for electric ride-on forklifts.

EXAMPLE: Let's assume we need to overcome a height difference (H) of 100 mm using an electric pallet truck. By applying the formula indicated above, we obtain: LENGTH OF BRIDGE OR TAIL LIFT IN MILLIMETRES (L) = 100 mm x 100 / 8 = 1250 mm. You must therefore select a bridge or tail lift with a minimum length of 1250 mm.

The diagram clearly shows the dimensions used to determine the length of the bridge or tail lift and their interrelationships expressed by the formula above.



## NOTES

- In order to ensure a minimum safety clearance on each side of the transport vehicle, the width of the bridge or tail lift must be at least 0.70 m greater than the track width of the vehicle in transit/transport, and in any event not less than 1.25 m (in accordance with the UNI EN 1398:2009 standard). In order to ensure greater safety conditions for the operators, it is recommended to use a bridge or tail lift with a width equal to that of the vehicle's loading bed.
- The support ends or "heads" must rest on at least 0.10 m of the loading/unloading dock and loading bed of the vehicle.
- Transit is only permitted for vehicles with rubber wheels or tracks.
- Transit is strictly prohibited to any vehicles with metal tracks or metal parts that could come into contact with the structure of the bridge or tail lift.
- For the MS040G loading bridges, a loading dock foundation strength greater than 1.6 kg/cm<sup>2</sup> is advised.
- If the loading dock foundation is made of concrete or similar, a minimum strength class of C25/30 is advised, which means the concrete has  $F_{ck} = 25 \text{ N/mm}^2$  and  $R_{ck} = 30 \text{ N/mm}^2$  (in accordance with the UNI EN 206-1:2006 and UNI 11104:2004 standards).
- The instructions for use and maintenance are described in the instruction and warning manual supplied with the product.
- The manufacturer's declaration of conformity is an integral part of the instruction and warning manual.
- For all information regulating the supply of these products, please refer to the manufacturer's General Conditions of Sale at the following website: [www.metalmecsr.it](http://www.metalmecsr.it)

## OPTIONS

- The guide rail is available on request in 3 m long bars of rough, non-galvanised steel.
- Bridges and tail lifts are available in the dimensions shown on the following product pages (width B greater than or equal to 1250 mm, in accordance with the UNI EN 1398:2009 standard). If you require products with different dimensions from those stated, please contact us directly.

# BRIDGE ACCESS RAMPS

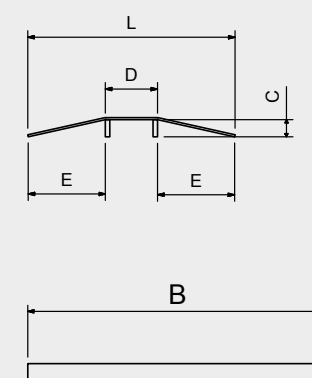
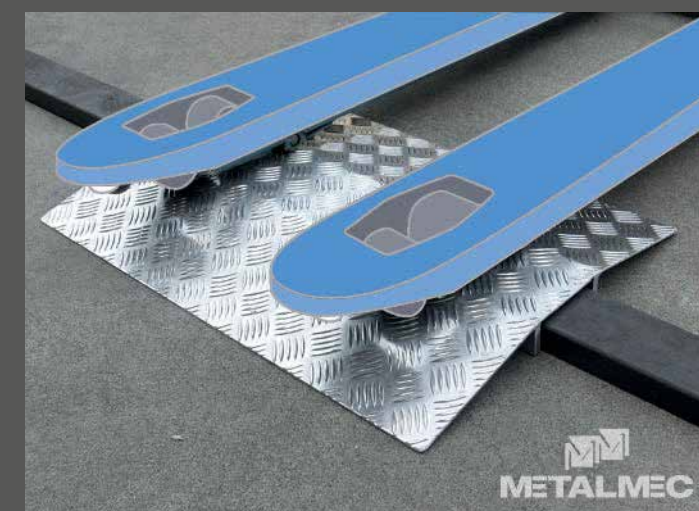
PRODUCT FAMILY:

**MBAP**

MAX. LOADING CAPACITY:

**450 kg/m<sup>2</sup>**

This range of bridge access ramps, made with non-slip aluminium quintet tread plates welded together, is used to help wheeled equipment, such as hand-pushed trolleys, manual pallet trucks, etc. to overcome obstacles on the ground, such as pipes and cable ducts. Its light weight means that the product can be quickly and easily moved to another position as required. The dimensions may vary according to specific needs.



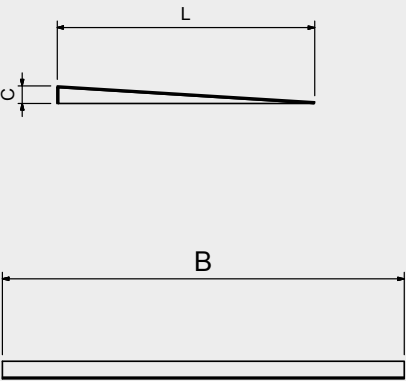
| Model | Item code     | Loading capacity<br>kg/m <sup>2</sup> | Length<br>L* mm | Width<br>B* mm | Height<br>C* mm | D* mm | E* mm | Weight<br>kg |
|-------|---------------|---------------------------------------|-----------------|----------------|-----------------|-------|-------|--------------|
| MBAP1 | MM550S0.70.05 | 450                                   | 490             | 700            | 40              | 120   | 185   | 4            |

\* Dimensions can be modified according to your load requirements. Please contact us for further details.

WEDGE ACCESS RAMPS

|                 |                        |
|-----------------|------------------------|
| PRODUCT FAMILY: | MAX. LOADING CAPACITY: |
| MBAC            | 2.920 kg               |

This type of wedge access ramp, made with non-slip aluminium quintet tread plates welded together, is used to help wheeled equipment, such as hand-pushed trolleys, manual pallet trucks and electric pallet trucks, to overcome steps. Its light weight and the slots on each side mean that the product can be quickly and easily moved to another position as required. The dimensions may vary according to specific needs.

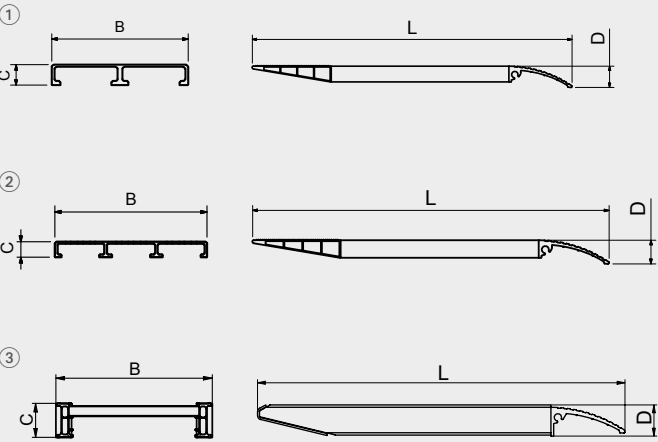


| Model                                                                                                    | Item code     | Loading capacity kg | Length L* mm | Width B* mm | Min./max. height C** mm | Weight kg |
|----------------------------------------------------------------------------------------------------------|---------------|---------------------|--------------|-------------|-------------------------|-----------|
| MBAC1                                                                                                    | MM560S0.10.05 | 430                 | 500          | 1000        | 10 / 70                 | 10        |
| MBAC2                                                                                                    | MM560S0.10.06 | 430                 | 650          | 1000        | 71 / 120                | 14        |
| MBAC3                                                                                                    | MM560S0.12.05 | 2920                | 500          | 1250        | 30 / 70                 | 13        |
| MBAC4                                                                                                    | MM560S0.12.08 | 2920                | 800          | 1250        | 71 / 120                | 22        |
| * Dimensions can be modified according to your load requirements. Please contact us for further details. |               |                     |              |             |                         |           |
| ** Height C to be specified in your request for quotation/purchase order.                                |               |                     |              |             |                         |           |

LOADING RAMPS

|                 |                                 |
|-----------------|---------------------------------|
| PRODUCT FAMILY: | MAX. LOADING CAPACITY PER PAIR: |
| SH              | 7.500 kg                        |

This range of short ramps has been designed for use in various product sectors, from logistics to construction. In the logistics sector, the short ramps are ideal for electric pallet truck or forklift users who need to overcome small differences in height (between 120 and 400 mm). With loading capacities of up to 7500 kg, they lend themselves perfectly to the loading and unloading of containers. Similarly, in the construction sector, the ramps are ideal for enabling light machinery with rubber wheels or tracks to overcome low-level obstacles. The range is only available without raised edges.



- ① MODEL B2
- ② MODEL B3
- ③ MODEL M065

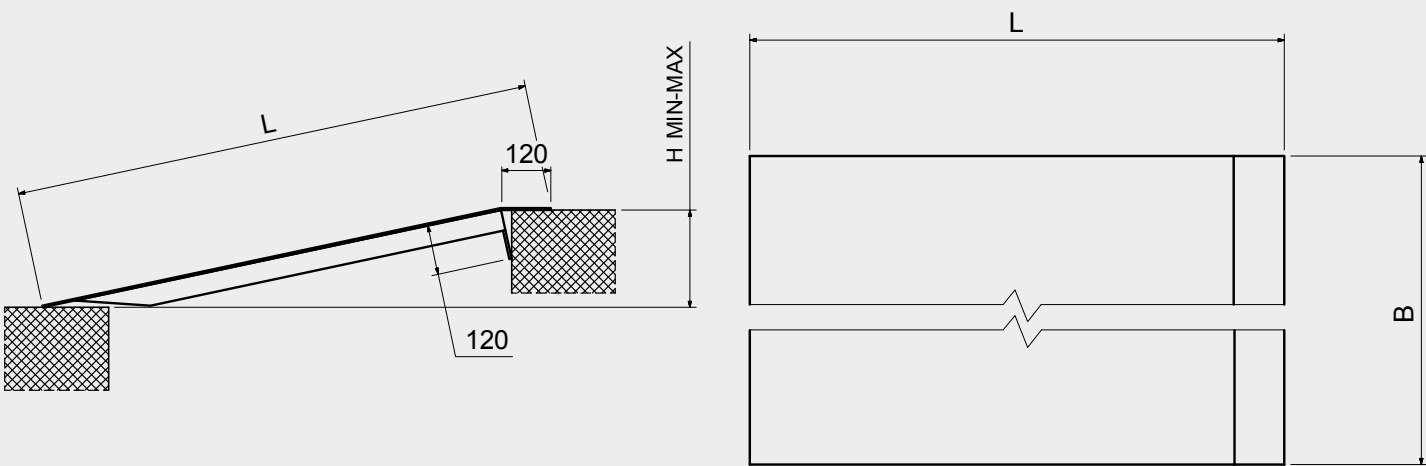


| Model                                                                                   | Item code     | Loading capacity per pair kg | Length L mm | External width B mm | Height of ramp profile C mm | Overall height of ramp D mm | Min./max. loading height mm | Weight per pair kg |
|-----------------------------------------------------------------------------------------|---------------|------------------------------|-------------|---------------------|-----------------------------|-----------------------------|-----------------------------|--------------------|
| M040B2/05SHF                                                                            | MM500SL.21.05 | 1250                         | 500         | 215                 | 40                          | 55                          | 120 / 150                   | 6                  |
| M040B2/08SHF                                                                            | MM500SL.21.08 | 1250                         | 800         | 215                 | 40                          | 55                          | 160 / 180                   | 8                  |
| M040B3/05SHF                                                                            | MM500SL.31.05 | 2000                         | 500         | 315                 | 40                          | 55                          | 120 / 150                   | 8                  |
| M040B3/08SHF                                                                            | MM500SL.31.08 | 2000                         | 800         | 315                 | 40                          | 55                          | 160 / 180                   | 12                 |
| M065/05SH                                                                               | MM501SL.30.05 | 3000                         | 495         | 300                 | 65                          | 67                          | 120 / 150                   | 7                  |
| M065/08SH                                                                               | MM501SL.30.08 | 3000                         | 795         | 300                 | 65                          | 67                          | 160 / 180                   | 10                 |
| Minimum width of the wheel or track 150 mm. Maximum width of the wheel or track 220 mm. |               |                              |             |                     |                             |                             |                             |                    |
| M140/10SH                                                                               | MM501SL.51.10 | 7500                         | 1000        | 510                 | 140                         | 140                         | 170 / 210                   | 29                 |
| M150/12SH                                                                               | MM501SL.51.12 | 7500                         | 1250        | 510                 | 150                         | 150                         | 220 / 260                   | 38                 |
| M150/15SH                                                                               | MM501SL.51.15 | 7500                         | 1500        | 510                 | 150                         | 150                         | 270 / 310                   | 44                 |
| M150/17SH                                                                               | MM501SL.51.17 | 7500                         | 1750        | 510                 | 150                         | 150                         | 320 / 360                   | 50                 |
| M160/20SH                                                                               | MM501SL.51.20 | 7500                         | 2000        | 510                 | 160                         | 160                         | 370 / 400                   | 60                 |
| Minimum width of the wheel or track 200 mm. Maximum width of the wheel or track 430 mm. |               |                              |             |                     |                             |                             |                             |                    |

LOADING BRIDGES

|                 |                        |
|-----------------|------------------------|
| PRODUCT FAMILY: | MAX. LOADING CAPACITY: |
| MPL             | 1.300 kg               |

The removable loading bridges, made with non-slip aluminium quintet tread plates welded together, are particularly suitable for logistics applications when there is a need to move hand-pushed trolleys and manual pallet trucks from the dock of the logistics platform to the loading bed of the vehicle and vice versa. Its light weight means that the product can be quickly and easily moved to another position as required. The standard range allows the user to overcome height differences of up to 230 mm.

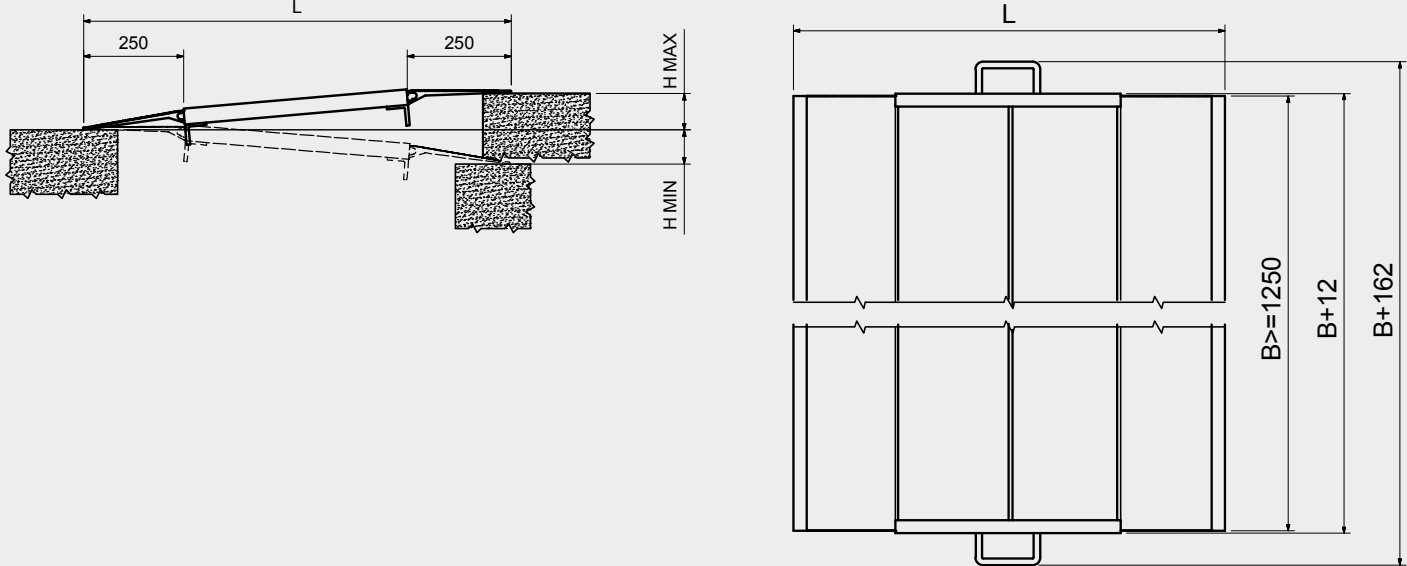


| Model    | Item code     | Max. loading capacity kg | Length L mm | Width B mm | Min./max. loading height mm | Weight kg |
|----------|---------------|--------------------------|-------------|------------|-----------------------------|-----------|
| MPL0750L | MM570S0.12.07 | 610                      | 750         | 1250       | 0 / 90                      | 13        |
| MPL1000L | MM570S0.12.10 | 610                      | 1000        | 1250       | 50 / 120                    | 17        |
| MPL1200L | MM570S0.12.12 | 610                      | 1200        | 1250       | 60 / 150                    | 20        |
| MPL1500L | MM570S0.12.15 | 610                      | 1500        | 1250       | 80 / 190                    | 25        |
| MPL1800L | MM570S0.12.18 | 610                      | 1800        | 1250       | 100 / 230                   | 30        |
| MPL0750H | MM580S0.12.07 | 1300                     | 750         | 1250       | 0 / 90                      | 20        |
| MPL1000H | MM580S0.12.10 | 1300                     | 1000        | 1250       | 50 / 120                    | 27        |
| MPL1200H | MM580S0.12.12 | 1300                     | 1200        | 1250       | 60 / 150                    | 33        |
| MPL1500H | MM580S0.12.15 | 1300                     | 1500        | 1250       | 80 / 190                    | 41        |
| MPL1800H | MM580S0.12.18 | 1300                     | 1800        | 1250       | 100 / 230                   | 49        |

LOADING BRIDGES

|                            |                        |
|----------------------------|------------------------|
| PRODUCT FAMILY:            | MAX. LOADING CAPACITY: |
| MS030 – 2TL<br>MS040 – 2TL | 5.000 kg               |

This range of removable loading bridges has been created with special extruded aluminium profiles that have a knurled, non-slip surface. The bridges are suitable for high-performance logistics applications which require the movement of electric pallet trucks and forklifts from the dock of the logistics platform to the loading bed of the vehicle and vice versa. The side handles, fitted as standard, mean that the product can be quickly and easily moved to another position as required. The standard range allows vehicles with a loading capacity of up to 5000 kg to overcome height differences of up to 120 mm.

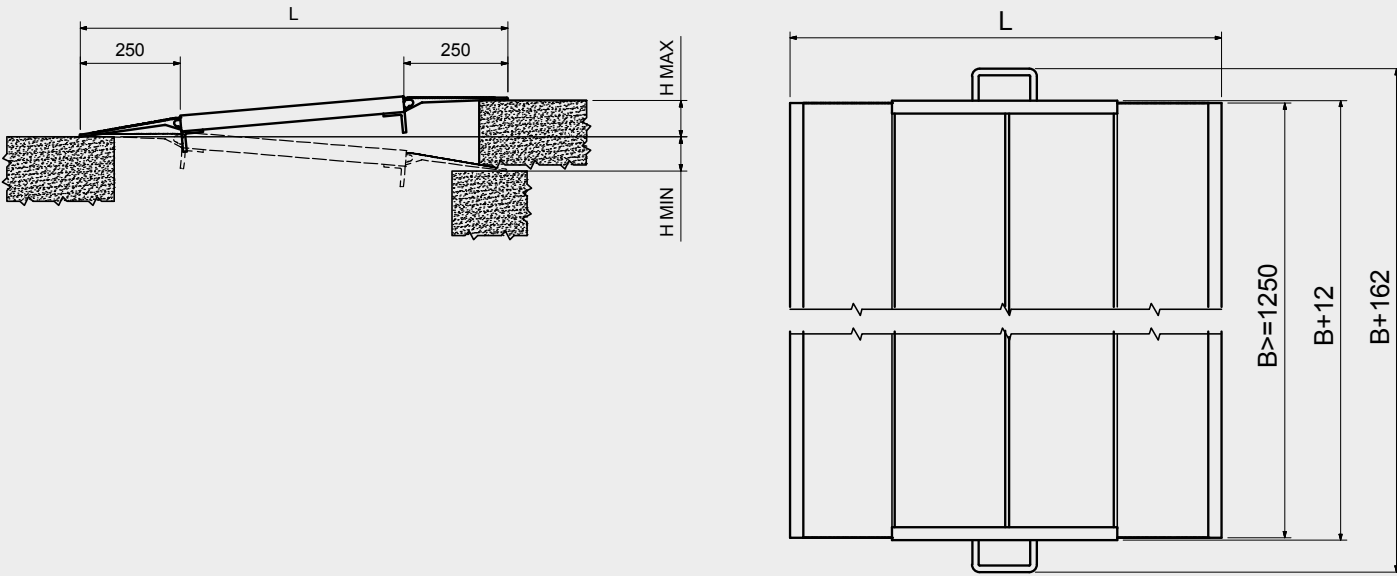
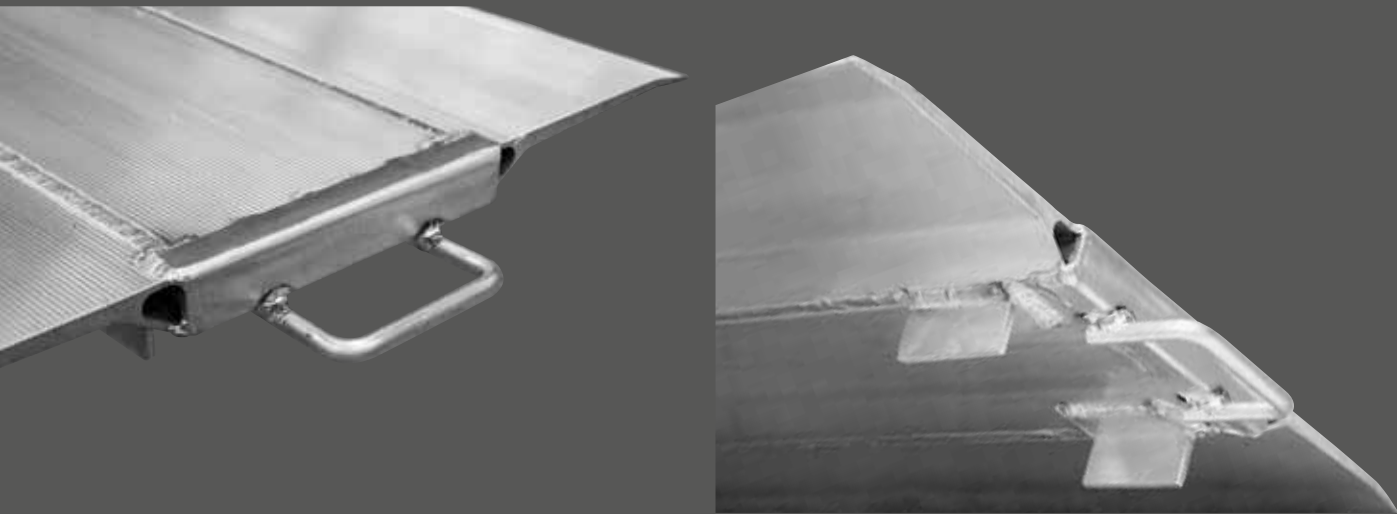


| Model              | Item code     | Max. loading capacity kg | Length L mm | Width (minimum: 1250 mm) B mm | Min./max. loading height mm | Weight kg |
|--------------------|---------------|--------------------------|-------------|-------------------------------|-----------------------------|-----------|
| MS0302TL/625/1250  | MM650S0.12.06 | 3420                     | 627         | 1250                          | -75 / 75                    | 22        |
| MS0302TL/750/1250  | MM650S0.12.07 | 2895                     | 752         | 1250                          | -90 / 90                    | 24        |
| MS0302TL/875/1250  | MM650S0.12.08 | 2510                     | 877         | 1250                          | -105 / 105                  | 28        |
| MS0302TL/1000/1250 | MM650S0.12.10 | 2210                     | 1002        | 1250                          | -120 / 120                  | 32        |
| MS0302TL/625/1500  | MM650S0.15.06 | 3420                     | 627         | 1500                          | -75 / 75                    | 26        |
| MS0302TL/750/1500  | MM650S0.15.07 | 2895                     | 752         | 1500                          | -90 / 90                    | 29        |
| MS0302TL/875/1500  | MM650S0.15.08 | 2510                     | 877         | 1500                          | -105 / 105                  | 33        |
| MS0302TL/1000/1500 | MM650S0.15.10 | 2210                     | 1002        | 1500                          | -120 / 120                  | 38        |

Other dimensions available on request.

LOADING BRIDGES

MS040 – 2TL



| Model              | Item code     | Max. loading capacity<br>kg | Length<br>L mm | Width<br>(minimum: 1250 mm)<br>B mm | Min./max. loading height<br>mm | Weight<br>kg |
|--------------------|---------------|-----------------------------|----------------|-------------------------------------|--------------------------------|--------------|
| MS0402TL/625/1250  | MM750S0.12.06 | 5000                        | 627            | 1250                                | -75 / 75                       | 28           |
| MS0402TL/750/1250  | MM750S0.12.07 | 4800                        | 752            | 1250                                | -90 / 90                       | 34           |
| MS0402TL/875/1250  | MM750S0.12.08 | 4550                        | 877            | 1250                                | -105 / 105                     | 39           |
| MS0402TL/1000/1250 | MM750S0.12.10 | 4250                        | 1002           | 1250                                | -120 / 120                     | 43           |
| MS0402TL/625/1500  | MM750S0.15.06 | 5000                        | 627            | 1500                                | -75 / 75                       | 33           |
| MS0402TL/750/1500  | MM750S0.15.07 | 4800                        | 752            | 1500                                | -90 / 90                       | 41           |
| MS0402TL/875/1500  | MM750S0.15.08 | 4550                        | 877            | 1500                                | -105 / 105                     | 47           |
| MS0402TL/1000/1500 | MM750S0.15.10 | 4250                        | 1002           | 1500                                | -120 / 120                     | 51           |

Other dimensions available on request.

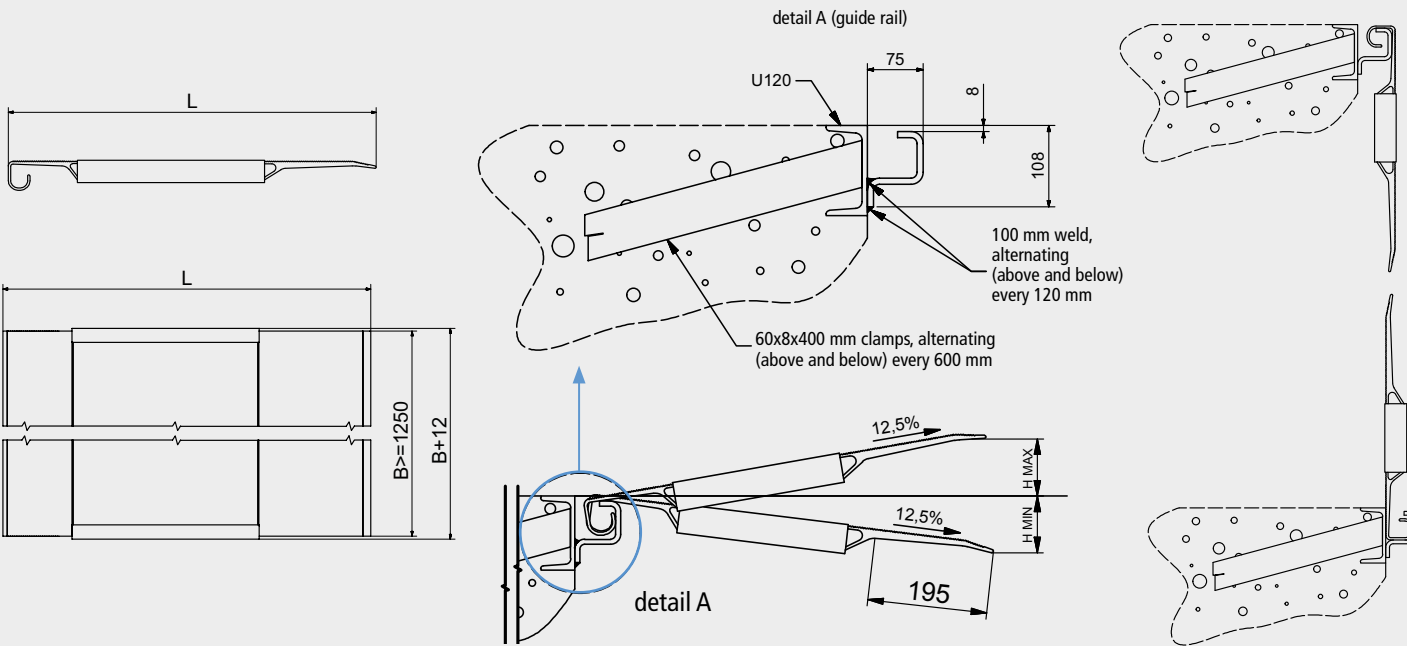
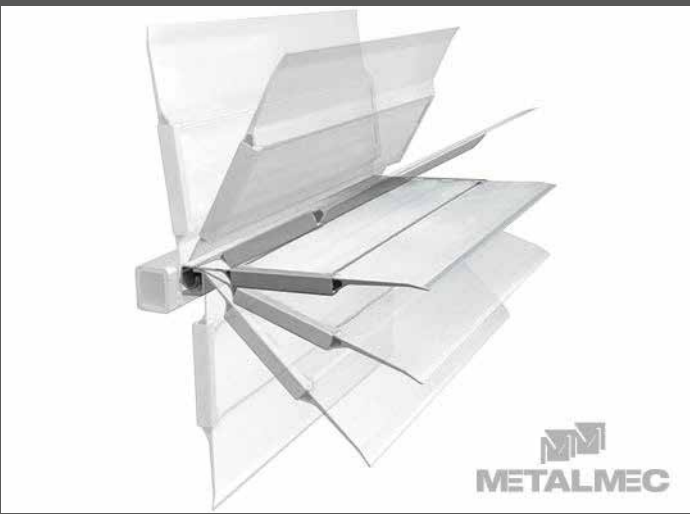
LOADING BRIDGES

MS040 G



|                 |                        |
|-----------------|------------------------|
| PRODUCT FAMILY: | MAX. LOADING CAPACITY: |
| MS040 G         | 5.000 kg               |

The MS040G family of loading bridges, which slide along a rail, are ideal for use in logistics applications for loading and unloading onto the dock. Made with robust, extruded aluminium profiles that have a knurled, non-slip surface, they can be easily moved to the appropriate position by simply sliding them along the guide rail. When not in use, they should be placed in a vertical position, with the safety catch fastened to prevent the bridges from falling. The standard range allows vehicles with a loading capacity of up to 5000 kg to overcome small and medium height differences of up to 110 mm.



| Model           | Item code     | Max. loading capacity<br>kg | Length<br>L mm | Width<br>(minimum: 1250 mm)<br>B mm | Min./max. loading height<br>mm | Weight<br>kg |
|-----------------|---------------|-----------------------------|----------------|-------------------------------------|--------------------------------|--------------|
| MS040G/535/1250 | MM800S0.12.05 | 5000                        | 535            | 1250                                | -55 / 55                       | 24           |
| MS040G/660/1250 | MM800S0.12.06 | 5000                        | 660            | 1250                                | -70 / 70                       | 29           |
| MS040G/785/1250 | MM800S0.12.07 | 5000                        | 785            | 1250                                | -95 / 95                       | 34           |
| MS040G/910/1250 | MM800S0.12.09 | 5000                        | 910            | 1250                                | -110 / 110                     | 39           |
| MS040G/535/1500 | MM800S0.15.05 | 5000                        | 535            | 1500                                | -55 / 55                       | 29           |
| MS040G/660/1500 | MM800S0.15.06 | 5000                        | 660            | 1500                                | -70 / 70                       | 35           |
| MS040G/785/1500 | MM800S0.15.07 | 5000                        | 785            | 1500                                | -95 / 95                       | 41           |
| MS040G/910/1500 | MM800S0.15.09 | 5000                        | 910            | 1500                                | -110 / 110                     | 47           |

Other dimensions available on request.  
Guide rail available on request.



TAIL LIFTS

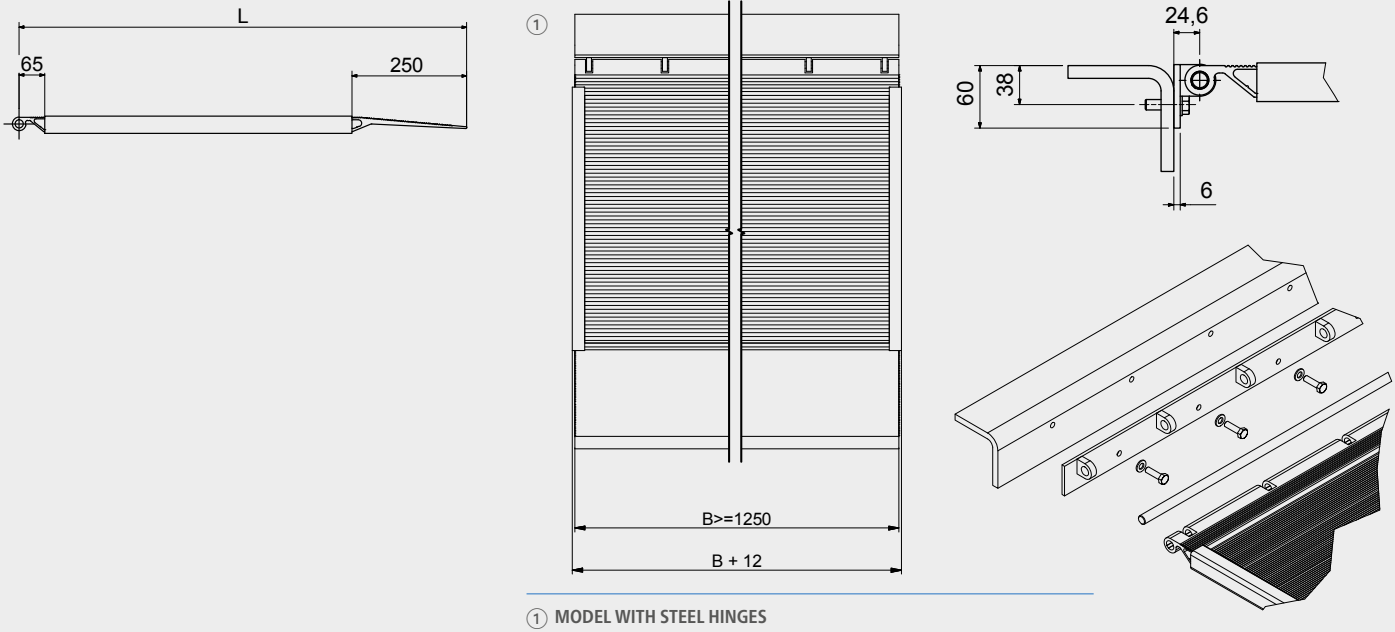
MS030 AC 

TAIL LIFTS

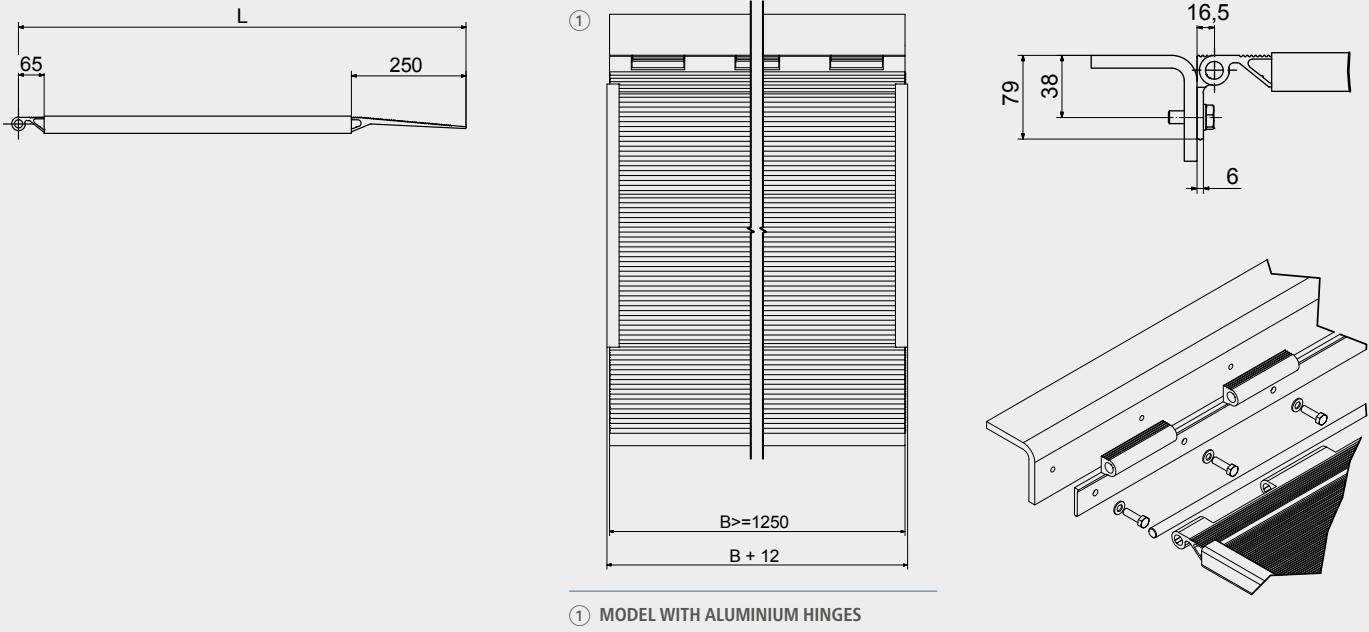
MS030 AL 

PRODUCT FAMILY: **MS030 AC – MS030 AL** MAX. LOADING CAPACITY: **4.170 kg**

This range of hinged tail lifts, with a thickness of 30 mm, comes with two types of fastening to fix the tail lift to the vehicle's loading bed: steel and aluminium. Made using robust extruded aluminium profiles that have a knurled, non-slip surface, they are particularly valued by manufacturers and bodybuilders of transport vehicles and are ideally suited to loading and unloading goods using electric pallet trucks and forklift trucks.



① MODEL WITH STEEL HINGES



① MODEL WITH ALUMINIUM HINGES

| Model                                  | Item code     | Max. loading capacity<br>kg | Length<br>L mm | Width<br>(minimum: 1250 mm)<br>B mm | Weight<br>kg/m |
|----------------------------------------|---------------|-----------------------------|----------------|-------------------------------------|----------------|
| MS030AC/565                            | MM600S0.12.05 | 4170                        | 565            | From 1250 mm on request             | 19             |
| MS030AC/690                            | MM600S0.12.06 | 3420                        | 690            | From 1250 mm on request             | 21             |
| MS030AC/815                            | MM600S0.12.08 | 2890                        | 815            | From 1250 mm on request             | 25             |
| MS030AC/940                            | MM600S0.12.09 | 2510                        | 940            | From 1250 mm on request             | 27             |
| MS030AC/1065                           | MM600S0.12.10 | 2210                        | 1065           | From 1250 mm on request             | 30             |
| MS030AC/1190                           | MM600S0.12.11 | 1980                        | 1190           | From 1250 mm on request             | 34             |
| MS030AC/1315                           | MM600S0.12.13 | 1790                        | 1315           | From 1250 mm on request             | 36             |
| MS030AC/1565                           | MM600S0.12.15 | 1300                        | 1565           | From 1250 mm on request             | 42             |
| MS030AC/1690                           | MM600S0.12.16 | 1100                        | 1690           | From 1250 mm on request             | 45             |
| MS030AC/1815                           | MM600S0.12.18 | 950                         | 1815           | From 1250 mm on request             | 48             |
| MS030AC/2065                           | MM600S0.12.20 | 720                         | 2065           | From 1250 mm on request             | 54             |
| Other dimensions available on request. |               |                             |                |                                     |                |

| Model                                  | Item code     | Max. loading capacity<br>kg | Length<br>L mm | Width<br>(minimum: 1250 mm)<br>B mm | Weight<br>kg/m |
|----------------------------------------|---------------|-----------------------------|----------------|-------------------------------------|----------------|
| MS030AL/565                            | MM601S0.12.05 | 4170                        | 565            | From 1250 mm on request             | 19             |
| MS030AL/690                            | MM601S0.12.06 | 3420                        | 690            | From 1250 mm on request             | 21             |
| MS030AL/815                            | MM601S0.12.08 | 2890                        | 815            | From 1250 mm on request             | 25             |
| MS030AL/940                            | MM601S0.12.09 | 2510                        | 940            | From 1250 mm on request             | 27             |
| MS030AL/1065                           | MM601S0.12.10 | 2210                        | 1065           | From 1250 mm on request             | 30             |
| MS030AL/1190                           | MM601S0.12.11 | 1980                        | 1190           | From 1250 mm on request             | 34             |
| MS030AL/1315                           | MM601S0.12.13 | 1790                        | 1315           | From 1250 mm on request             | 36             |
| MS030AL/1565                           | MM601S0.12.15 | 1300                        | 1565           | From 1250 mm on request             | 42             |
| MS030AL/1690                           | MM601S0.12.16 | 1100                        | 1690           | From 1250 mm on request             | 45             |
| MS030AL/1815                           | MM601S0.12.18 | 950                         | 1815           | From 1250 mm on request             | 48             |
| MS030AL/2065                           | MM601S0.12.20 | 720                         | 2065           | From 1250 mm on request             | 54             |
| Other dimensions available on request. |               |                             |                |                                     |                |

TAIL LIFTS

MS040 AC



TAIL LIFTS

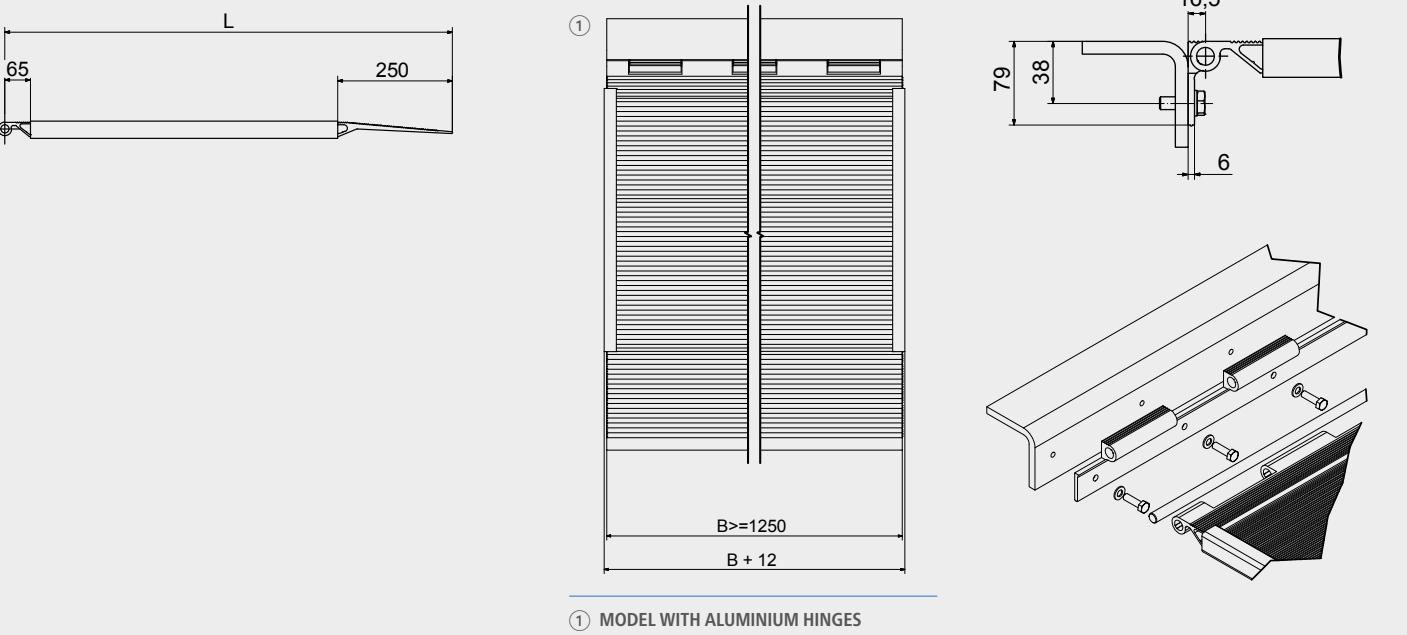
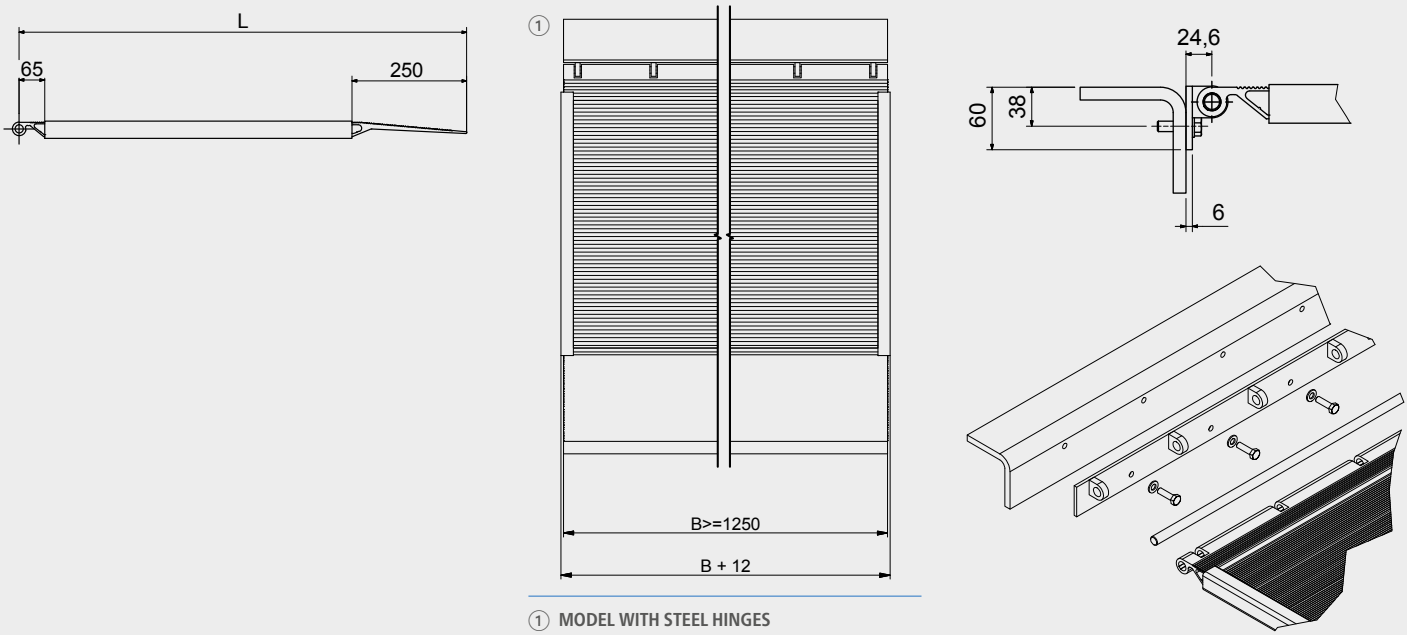
MS040 AL



PRODUCT FAMILY:  
**MS040 AC – MS040 AL**

MAX. LOADING CAPACITY:  
**4.800 kg**

This range of hinged tail lifts, with a thickness of 40 mm, comes with two types of fastening to fix the tail lift to the vehicle's loading bed: steel and aluminium. Made using robust extruded aluminium profiles that have a knurled, non-slip surface, they are particularly valued by manufacturers of transport vehicles and are ideally suited to loading and unloading goods using electric pallet trucks and forklift trucks.



| Model                                  | Item code     | Max. loading capacity<br>kg | Length<br>L mm | Width<br>(minimum: 1250 mm)<br>B mm | Weight<br>kg/m |
|----------------------------------------|---------------|-----------------------------|----------------|-------------------------------------|----------------|
| MS040AC/565                            | MM700S0.12.05 | 4800                        | 565            | From 1250 mm on request             | 23             |
| MS040AC/690                            | MM700S0.12.06 | 4550                        | 690            | From 1250 mm on request             | 27             |
| MS040AC/815                            | MM700S0.12.08 | 4250                        | 815            | From 1250 mm on request             | 31             |
| MS040AC/940                            | MM700S0.12.09 | 3950                        | 940            | From 1250 mm on request             | 35             |
| MS040AC/1065                           | MM700S0.12.10 | 3700                        | 1065           | From 1250 mm on request             | 39             |
| MS040AC/1190                           | MM700S0.12.11 | 3450                        | 1190           | From 1250 mm on request             | 43             |
| MS040AC/1315                           | MM700S0.12.13 | 3150                        | 1315           | From 1250 mm on request             | 47             |
| MS040AC/1565                           | MM700S0.12.15 | 2700                        | 1565           | From 1250 mm on request             | 55             |
| MS040AC/1690                           | MM700S0.12.16 | 2400                        | 1690           | From 1250 mm on request             | 59             |
| MS040AC/1815                           | MM700S0.12.18 | 2100                        | 1815           | From 1250 mm on request             | 63             |
| MS040AC/2065                           | MM700S0.12.20 | 1600                        | 2065           | From 1250 mm on request             | 71             |
| Other dimensions available on request. |               |                             |                |                                     |                |

| Model                                  | Item code     | Max. loading capacity<br>kg | Length<br>L mm | Width<br>(minimum: 1250 mm)<br>B mm | Weight<br>kg/m |
|----------------------------------------|---------------|-----------------------------|----------------|-------------------------------------|----------------|
| MS040AL/565                            | MM701S0.12.05 | 4800                        | 565            | From 1250 mm on request             | 23             |
| MS040AL/690                            | MM701S0.12.06 | 4550                        | 690            | From 1250 mm on request             | 27             |
| MS040AL/815                            | MM701S0.12.08 | 4250                        | 815            | From 1250 mm on request             | 31             |
| MS040AL/940                            | MM701S0.12.09 | 3950                        | 940            | From 1250 mm on request             | 35             |
| MS040AL/1065                           | MM701S0.12.10 | 3700                        | 1065           | From 1250 mm on request             | 39             |
| MS040AL/1190                           | MM701S0.12.11 | 3450                        | 1190           | From 1250 mm on request             | 43             |
| MS040AL/1315                           | MM701S0.12.13 | 3150                        | 1315           | From 1250 mm on request             | 47             |
| MS040AL/1565                           | MM701S0.12.15 | 2700                        | 1565           | From 1250 mm on request             | 55             |
| MS040AL/1690                           | MM701S0.12.16 | 2400                        | 1690           | From 1250 mm on request             | 59             |
| MS040AL/1815                           | MM701S0.12.18 | 2100                        | 1815           | From 1250 mm on request             | 63             |
| MS040AL/2065                           | MM701S0.12.20 | 1600                        | 2065           | From 1250 mm on request             | 71             |
| Other dimensions available on request. |               |                             |                |                                     |                |

# RAMPS AND GANGWAYS FOR OVERCOMING ARCHITECTURAL BARRIERS



The solutions offered by Metalmec are able to guarantee accessibility and passage over architectural barriers (or temporary/permanent physical obstacles that hinder people's movements, particularly those who suffer from reduced or impaired mobility) both in private residential buildings and in public spaces. Whatever your needs for overcoming obstacles or height differences, our range of standard or customised products is sure to provide you with a solution that guarantees you the best in terms of quality, durability and safety.

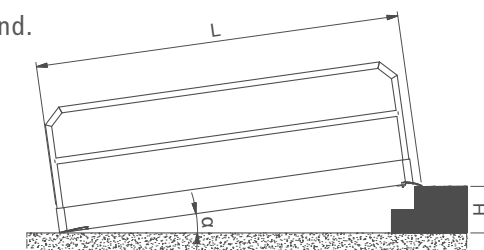
## HOW TO DETERMINE THE LENGTH OF THE RAMP

During use, the inclination ( $\alpha$ ) of the ramp must not exceed a maximum slope of 8% (in accordance with Italian Legislative Decree no. 13 of 09.01.1989 and Ministerial Decree no. 236 of 14.06.1989). In order to establish the minimum length (L) to a good approximation, apply the following formula:

$$\text{RAMP LENGTH IN MILLIMETRES (L)} = \frac{\text{HEIGHT DIFFERENCE IN MILLIMETRES (H)} \times 100}{\% \text{ MAXIMUM SLOPE } (\alpha)}$$

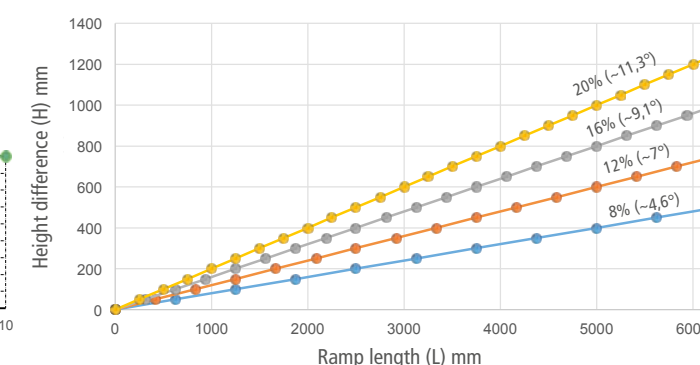
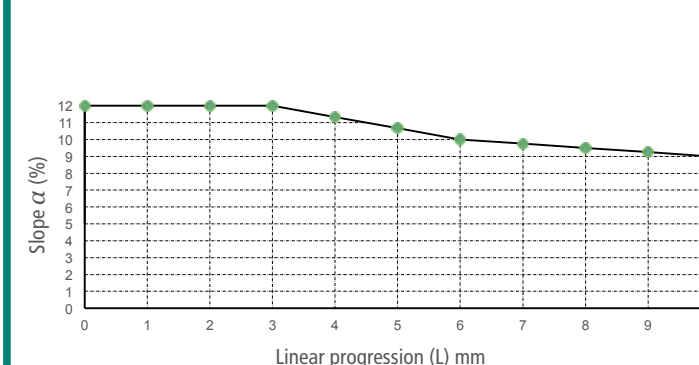
Height difference (H) refers to the height of the obstacle from the ground.

EXAMPLE: Let's assume we need to overcome a height difference (H) of 200 mm. By applying the formula indicated above, we obtain:  
 RAMP LENGTH IN MILLIMETRES (L) = 200 mm x 100 / 8 = 2500 mm  
 A ramp with a minimum length of 2500 mm must therefore be selected.



In case of adaptation, the aforementioned Italian regulation allows for steeper slopes in relation to the linear progression of the ramp. However, the ratio between slope and length must be of a lower value than what is shown by the interpolation line on the following graph (example: in case of adaptation, a maximum slope of 12% is permitted for lengths equal to or less than 3000 mm).

The following diagram clearly shows the dimensions used to determine the length of the ramps and their interrelationships expressed by the formula above.



## NOTES

- Our gangways meet the requirements of Italian Legislative Decree no. 13 of 09.01.1989 and Ministerial Decree no. 236 of 14.06.1989.
- There must be a minimum support of 0.33 m at each end of the gangway.
- Transit on the driveways is only permitted for vehicles with rubber wheels or tracks.
- Use the driveways for wheeled vehicles that have a minimum wheel width of 0.2 x 0.2 m.
- Use the driveways for tracked vehicles that have a minimum track width of 0.2 m.
- Transit is strictly prohibited to any vehicles with metal tracks or metal parts that could come into contact with the structure of the driveway.
- For the driveways, the maximum distribution permitted on the vehicle's front and rear axles is 40% - 60% respectively (50% - 50% is considered ideal).
- The instructions for use and maintenance are described in the instruction and warning manual supplied with the product.
- The manufacturer's declaration of conformity is an integral part of the instruction and warning manual.
- For all information regulating the supply of these products, please refer to the manufacturer's General Conditions of Sale at the following website: [www.metalmecsr.it](http://www.metalmecsr.it).

## OPTIONS

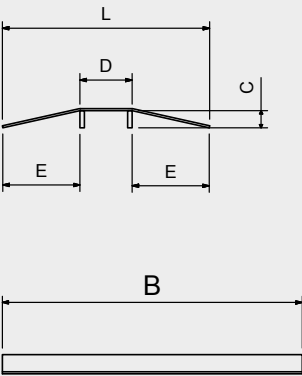
- Items are available in the dimensions specified on the following product pages. If you require products with different dimensions from those stated, please contact us directly.

BRIDGE ACCESS RAMPS

PRODUCT FAMILY:  
**MBAP**

MAX. LOADING CAPACITY:  
**450 kg/m²**

This range of bridge access ramps, made with non-slip, aluminium quintet tread plates welded together, allows wheelchair users to easily overcome small obstacles on the ground, such as skirting boards and door thresholds, pipes and cable ducts. Its light weight means that the product can be quickly and easily moved to another position as required. The dimensions may vary according to specific needs.



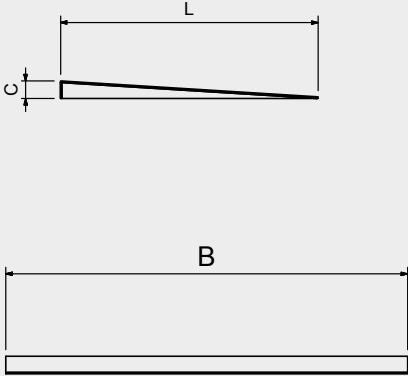
| Model                                                                                                    | Item code     | Loading capacity<br>kg/m² | Length<br>L* mm | Width<br>B* mm | Height<br>C* mm | D* mm | E* mm | Weight<br>kg |
|----------------------------------------------------------------------------------------------------------|---------------|---------------------------|-----------------|----------------|-----------------|-------|-------|--------------|
| MBAP1                                                                                                    | MM550S0.70.05 | 450                       | 490             | 700            | 40              | 120   | 185   | 4            |
| * Dimensions can be modified according to your load requirements. Please contact us for further details. |               |                           |                 |                |                 |       |       |              |

WEDGE ACCESS RAMPS

PRODUCT FAMILY:  
**MBAC**

MAX. LOADING CAPACITY:  
**430 kg**

This type of wedge access ramp, made with non-slip aluminium quintet tread plates welded together, allows wheelchair users to easily overcome small steps and door thresholds. Its light weight and the slots on each side mean that the product can be quickly and easily moved to another position as required. The dimensions may vary according to specific needs.



| Model                                                                                                    | Item code     | Loading capacity<br>kg | Length<br>L* mm | Width<br>B* mm | Min./max. height<br>C** mm | Weight<br>kg |
|----------------------------------------------------------------------------------------------------------|---------------|------------------------|-----------------|----------------|----------------------------|--------------|
| MBAC1                                                                                                    | MM560S0.10.05 | 430                    | 500             | 1000           | 10 / 70                    | 10           |
| MBAC2                                                                                                    | MM560S0.10.06 | 430                    | 650             | 1000           | 71 / 120                   | 14           |
| * Dimensions can be modified according to your load requirements. Please contact us for further details. |               |                        |                 |                |                            |              |
| ** Height C to be specified in your request for quotation/purchase order.                                |               |                        |                 |                |                            |              |

LOADING RAMPS

M050



PEDESTRIAN RAMPS

MPPI



PRODUCT FAMILY:  
**M050**

MAX. LOADING CAPACITY  
PER PAIR:  
**1.500 kg**

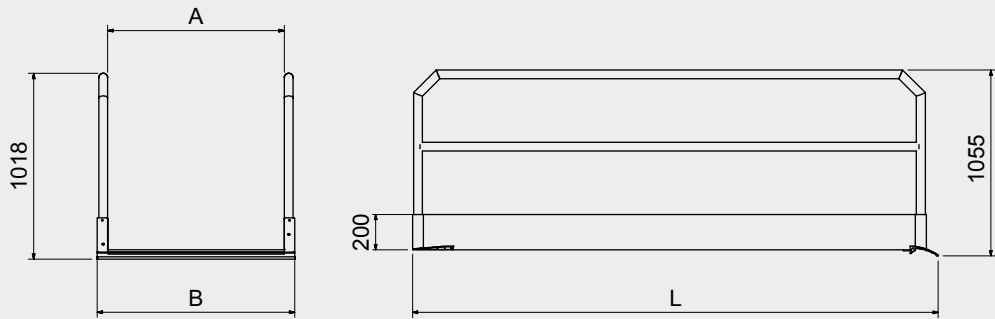
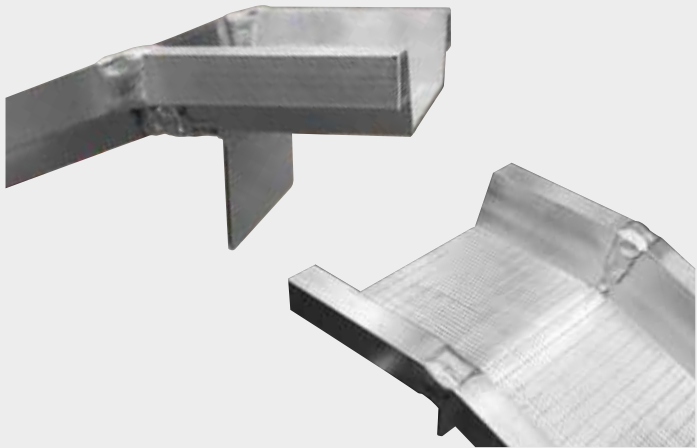
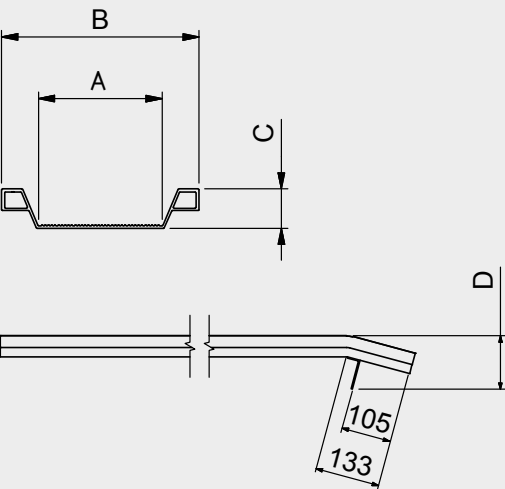
These aluminium ramps offer an excellent compromise between high load capacity and low weight. They are robust, easy to handle and have a non-slip surface, obtained through coining. With an internal width of 155 mm and 45 mm containment edges, these ramps are particularly suitable for wheelchair users. The particular shape of the profile allows the ramps to be stacked one inside the other for ease of storage during transport. To further optimise transport inside vehicles with small luggage compartments, this range of ramps can be supplied either as a hinged, folding version, or as a bayonet coupling version. With the hinged, folding version, the loading capacity reduces to 300 kg per pair for all lengths.



PRODUCT FAMILY:  
**MPPI**

MAX. LOADING CAPACITY:  
**400 kg/m²**

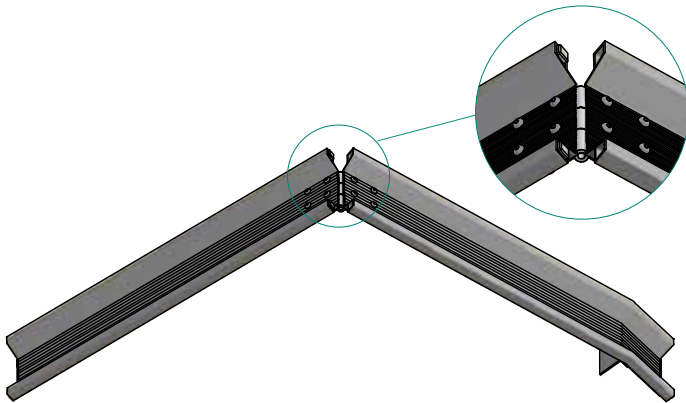
This range of pedestrian ramps with handrails, made using special extruded aluminium profiles, are ideal in various contexts, from private residential use to public applications. They allow people (particularly wheelchair users) to overcome various architectural barriers such as long staircases and very high steps. They are equipped with a non-slip transit surface, folding handrails and safety footstops. In addition, the particular shapes of the bottom end and the head allow the user to adjust the ramp to a wide range of slopes, depending on the required application.



|         |               | Loading capacity per pair kg |           |            |              |                           |                           |                                  |                                    |                          |
|---------|---------------|------------------------------|-----------|------------|--------------|---------------------------|---------------------------|----------------------------------|------------------------------------|--------------------------|
| Model   | Item code     | Wheelbase                    |           |            | Length<br>mm | Internal<br>width<br>A mm | External<br>width<br>B mm | Height of<br>raised edge<br>C mm | Overall ramp<br>dimensions<br>D mm | Weight per<br>pair<br>kg |
|         |               | 0<br>mm                      | 500<br>mm | 1000<br>mm |              |                           |                           |                                  |                                    |                          |
| M050/10 | MM050B0.25.10 | 800                          | 1500      | 1500       | 1000         | 155                       | 246                       | 45                               | 100                                | 9                        |
| M050/15 | MM050B0.25.15 | 800                          | 1479      | 1500       | 1500         | 155                       | 246                       | 45                               | 100                                | 13                       |
| M050/20 | MM050B0.25.20 | 739                          | 986       | 1479       | 2000         | 155                       | 246                       | 45                               | 100                                | 17                       |
| M050/25 | MM050B0.25.25 | 532                          | 665       | 887        | 2500         | 155                       | 246                       | 45                               | 100                                | 20                       |
| M050/30 | MM050B0.25.30 | 419                          | 503       | 628        | 3000         | 155                       | 246                       | 45                               | 100                                | 24                       |
| M050/35 | MM050B0.25.35 | 346                          | 404       | 485        | 3500         | 155                       | 246                       | 45                               | 100                                | 28                       |

With the hinged, folding version, the loading capacity reduces to 300 kg per pair for all lengths.

| Model     | Item code     | Loading capacity<br>kg/m² | Length<br>L mm | Internal width<br>A mm | External width<br>B mm | Weight per piece<br>kg |
|-----------|---------------|---------------------------|----------------|------------------------|------------------------|------------------------|
| MPPI10/10 | MM360BL.10.10 | 400                       | 990            | 1000                   | 1120                   | 32                     |
| MPPI14/10 | MM360BL.10.14 | 400                       | 1390           | 1000                   | 1120                   | 41                     |
| MPPI20/10 | MM360BL.10.20 | 400                       | 1990           | 1000                   | 1120                   | 54                     |
| MPPI24/10 | MM360BL.10.24 | 400                       | 2390           | 1000                   | 1120                   | 62                     |
| MPPI30/10 | MM360BL.10.30 | 400                       | 2990           | 1000                   | 1120                   | 75                     |
| MPPI38/10 | MM360BL.10.38 | 400                       | 3790           | 1000                   | 1120                   | 92                     |
| MPPI48/10 | MM360BL.10.48 | 400                       | 4790           | 1000                   | 1120                   | 114                    |
| MPPI58/10 | MM360BL.10.58 | 400                       | 5790           | 1000                   | 1120                   | 136                    |



HINGED VERSION (ON REQUEST)



BAYONET COUPLING VERSION (ON REQUEST)

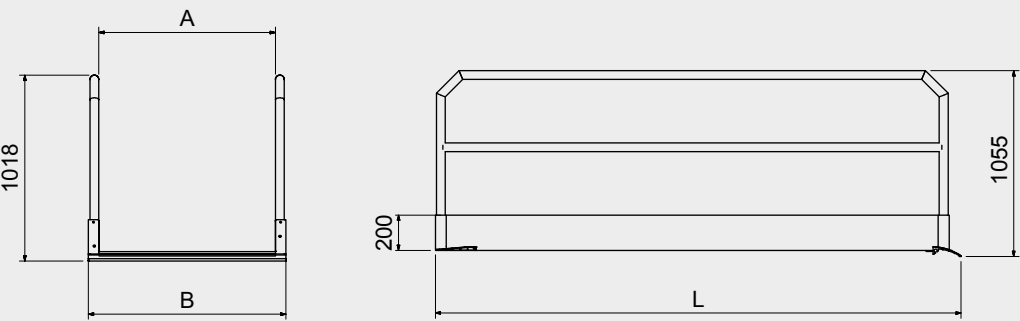
VEHICLE ACCESSIBLE RAMPS



PRODUCT FAMILY:  
**MPI**

MAX. LOADING CAPACITY:  
**4.500 kg**

This range of vehicle accessible ramps with handrails, made using special extruded aluminium profiles, is particularly suitable for overcoming architectural barriers such as height differences due to trenches or public works. They allow access over these obstacles not only to people but also, and more importantly, to construction site vehicles with rubber wheels or tracks. In order to meet the requirements of the task, the ramps are equipped with a non-slip transit surface, folding handrails and safety footstops. In addition, the particular shapes of the bottom end and the head allow the user to adjust the ramp to a wide range of slopes, depending on the required application.



| Model    | Item code     | Loading capacity                                   |                                                   | Length | Internal width | External width | Weight per piece |
|----------|---------------|----------------------------------------------------|---------------------------------------------------|--------|----------------|----------------|------------------|
|          |               | 750 mm wide tracked vehicle with 1000 mm wheelbase | 900 mm wide wheeled vehicle with 750 mm wheelbase |        |                |                |                  |
|          |               | kg                                                 | kg                                                |        |                |                |                  |
| MPI10/10 | MM310BL.10.10 | 3000                                               | 4500                                              | 990    | 1000           | 1120           | 34               |
| MPI14/10 | MM310BL.10.14 | 3000                                               | 4500                                              | 1390   | 1000           | 1120           | 44               |
| MPI20/10 | MM310BL.10.20 | 3000                                               | 4500                                              | 1990   | 1000           | 1120           | 59               |
| MPI24/10 | MM310BL.10.24 | 3000                                               | 3514                                              | 2390   | 1000           | 1120           | 69               |
| MPI30/10 | MM310BL.10.30 | 2746                                               | 2375                                              | 2990   | 1000           | 1120           | 84               |
| MPI38/10 | MM310BL.10.38 | 1830                                               | 1658                                              | 3790   | 1000           | 1120           | 104              |
| MPI48/10 | MM310BL.10.48 | 1292                                               | 1204                                              | 4790   | 1000           | 1120           | 130              |
| MPI58/10 | MM310BL.10.58 | 998                                                | 945                                               | 5790   | 1000           | 1120           | 156              |
| MPI10/12 | MM310BL.12.10 | 1500                                               | 1432                                              | 990    | 1250           | 1370           | 38               |
| MPI14/12 | MM310BL.12.14 | 1500                                               | 1432                                              | 1390   | 1250           | 1370           | 49               |
| MPI20/12 | MM310BL.12.20 | 1500                                               | 1432                                              | 1990   | 1250           | 1370           | 67               |
| MPI24/12 | MM310BL.12.24 | 1500                                               | 1432                                              | 2390   | 1250           | 1370           | 78               |
| MPI30/12 | MM310BL.12.30 | 1500                                               | 1432                                              | 2990   | 1250           | 1370           | 95               |
| MPI38/12 | MM310BL.12.38 | 1500                                               | 1432                                              | 3790   | 1250           | 1370           | 118              |
| MPI48/12 | MM310BL.12.48 | 1292                                               | 1204                                              | 4790   | 1250           | 1370           | 147              |
| MPI58/12 | MM310BL.12.58 | 998                                                | 945                                               | 5790   | 1250           | 1370           | 176              |

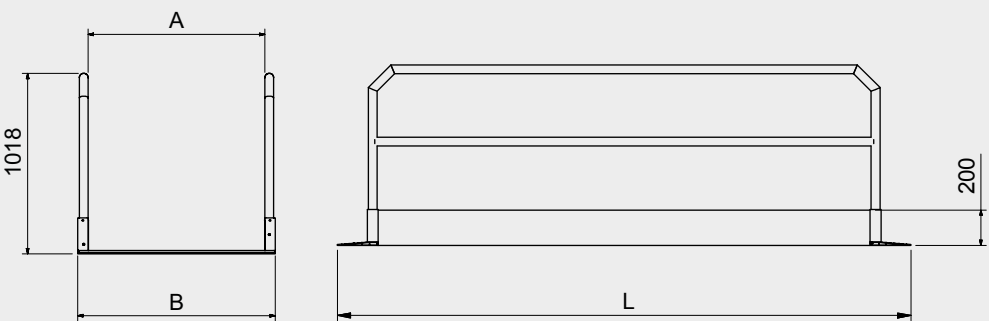
WALKWAYS



PRODUCT FAMILY:  
**MPP**

MAX. LOADING CAPACITY:  
**400 kg/m²**

This range of walkways with handrails, made using special extruded aluminium profiles, allows people to overcome architectural barriers such as trench pits. Equipped with a non-slip transit surface, folding handrails and safety footstops, they are particularly suitable for horizontal use.



| Model    | Item code     | Loading capacity<br>kg/m² | Length<br>L mm | Internal width<br>A mm | External width<br>B mm | Max. trench width<br>mm | Weight per piece<br>kg |
|----------|---------------|---------------------------|----------------|------------------------|------------------------|-------------------------|------------------------|
| MPP12/10 | MM350B0.10.12 | 400                       | 1260           | 1000                   | 1120                   | 600                     | 34                     |
| MPP16/10 | MM350B0.10.16 | 400                       | 1660           | 1000                   | 1120                   | 1000                    | 43                     |
| MPP22/10 | MM350B0.10.22 | 400                       | 2260           | 1000                   | 1120                   | 1600                    | 56                     |
| MPP26/10 | MM350B0.10.26 | 400                       | 2660           | 1000                   | 1120                   | 2000                    | 64                     |
| MPP32/10 | MM350B0.10.32 | 400                       | 3255           | 1000                   | 1120                   | 2600                    | 77                     |
| MPP40/10 | MM350B0.10.40 | 400                       | 4055           | 1000                   | 1120                   | 3400                    | 94                     |
| MPP50/10 | MM350B0.10.50 | 400                       | 5055           | 1000                   | 1120                   | 4400                    | 115                    |
| MPP60/10 | MM350B0.10.60 | 400                       | 6055           | 1000                   | 1120                   | 5400                    | 136                    |



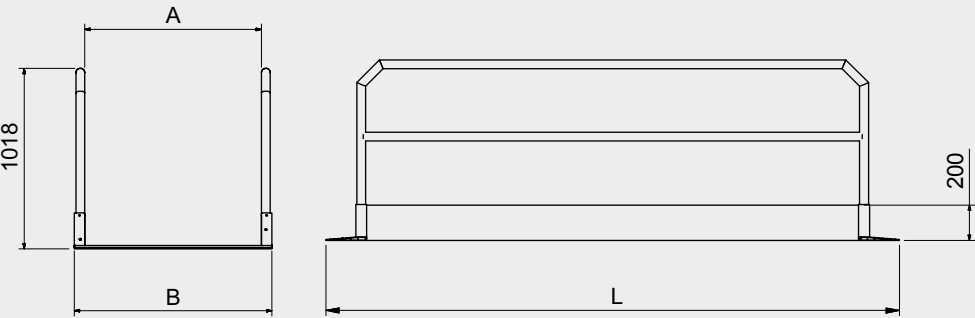
PRODUCT FAMILY:

MP

MAX. LOADING CAPACITY:

4.500 kg

This range of driveways with handrails, made using special extruded aluminium profiles, is particularly suitable for overcoming architectural barriers such as trench pits. They allow access over these obstacles not only to people but also, and more importantly, to construction site vehicles with rubber wheels or tracks. Equipped with a non-slip transit surface, folding handrails and safety footstops, they are particularly suitable for horizontal use.



| Model   | Item code     | Loading capacity                                   |                                                   | Length | Internal width | External width | Max. trench width | Weight per piece |
|---------|---------------|----------------------------------------------------|---------------------------------------------------|--------|----------------|----------------|-------------------|------------------|
|         |               | 750 mm wide tracked vehicle with 1000 mm wheelbase | 900 mm wide wheeled vehicle with 750 mm wheelbase |        |                |                |                   |                  |
|         |               | kg                                                 | kg                                                |        |                |                |                   |                  |
| MP12/10 | MM300B0.10.12 | 3000                                               | 4500                                              | 1260   | 1000           | 1120           | 600               | 37               |
| MP16/10 | MM300B0.10.16 | 3000                                               | 4500                                              | 1660   | 1000           | 1120           | 1000              | 47               |
| MP22/10 | MM300B0.10.22 | 3000                                               | 4500                                              | 2260   | 1000           | 1120           | 1600              | 62               |
| MP26/10 | MM300B0.10.26 | 3000                                               | 3514                                              | 2660   | 1000           | 1120           | 2000              | 72               |
| MP32/10 | MM300B0.10.32 | 2746                                               | 2375                                              | 3255   | 1000           | 1120           | 2600              | 87               |
| MP40/10 | MM300B0.10.40 | 1830                                               | 1658                                              | 4055   | 1000           | 1120           | 3400              | 107              |
| MP50/10 | MM300B0.10.50 | 1292                                               | 1204                                              | 5055   | 1000           | 1120           | 4400              | 132              |
| MP60/10 | MM300B0.10.60 | 998                                                | 945                                               | 6055   | 1000           | 1120           | 5400              | 157              |
| MP12/12 | MM300B0.12.12 | 1500                                               | 1432                                              | 1260   | 1250           | 1370           | 600               | 41               |
| MP16/12 | MM300B0.12.16 | 1500                                               | 1432                                              | 1660   | 1250           | 1370           | 1000              | 52               |
| MP22/12 | MM300B0.12.22 | 1500                                               | 1432                                              | 2260   | 1250           | 1370           | 1600              | 70               |
| MP26/12 | MM300B0.12.26 | 1500                                               | 1432                                              | 2660   | 1250           | 1370           | 2000              | 81               |
| MP32/12 | MM300B0.12.32 | 1500                                               | 1432                                              | 3255   | 1250           | 1370           | 2600              | 98               |
| MP40/12 | MM300B0.12.40 | 1500                                               | 1432                                              | 4055   | 1250           | 1370           | 3400              | 121              |
| MP50/12 | MM300B0.12.50 | 1292                                               | 1204                                              | 5055   | 1250           | 1370           | 4400              | 149              |
| MP60/12 | MM300B0.12.60 | 998                                                | 945                                               | 6055   | 1250           | 1370           | 5400              | 178              |



METALMEC SRL

Via S. Cassiano, 6 · 24030 Mapello (BG) Italy  
Tel. +39 035 4945858 · Fax +39 035 4945149  
info@metalmecsr.it · [www.metalmecsr.it](http://www.metalmecsr.it)