

# EVENT & REMOVAL RAMPS AND LOADING RAMPS



The wide range of event & removal ramps and loading ramps produced by Metalmec 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.

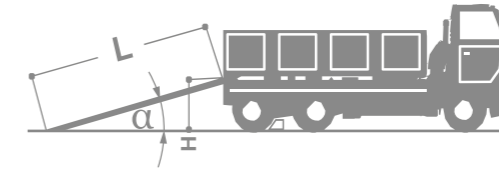
With the ability to move vehicles with rubber tyres or steel tracks, weighing from 300 kg to 58,000 kg (motorcycles, cars, gardening machinery, tractors, excavators, aerial platforms, etc.), our range of standard or customised products is sure to provide you with a solution that will guarantee you the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

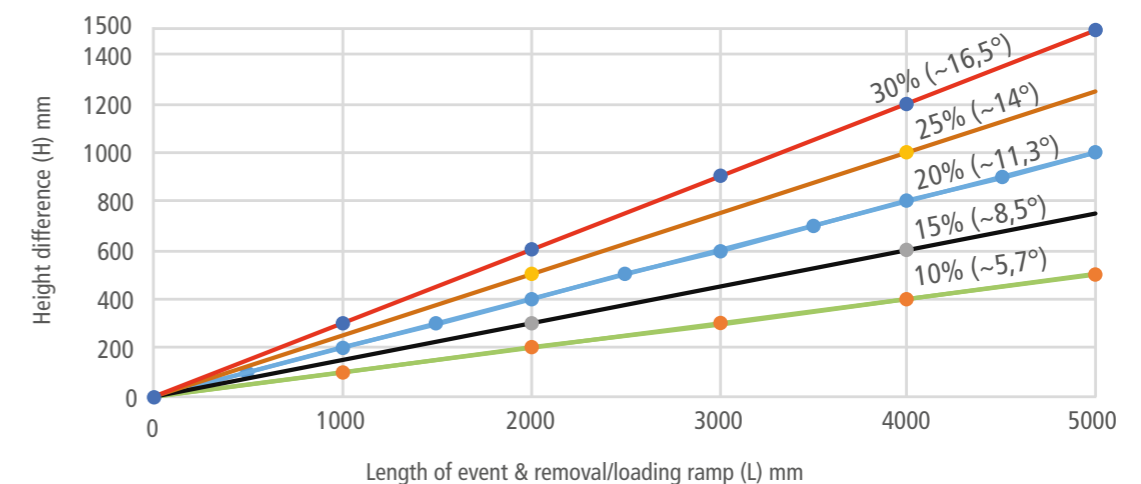
$$\text{LENGTH OF EVENT \& REMOVAL/LOADING RAMP IN MILLIMETRES (L) = } \frac{\text{HEIGHT DIFFERENCE IN MILLIMETRES (H) X 100}}{\% \text{ MAXIMUM SLOPE } (\alpha)}$$

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.metalmecsr.it](http://www.metalmecsr.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.