



# Instructions for Assembly & Installation

Thank you for choosing this KRUMMA-Kot 142 product from Krumma ehf.

## KRUMMA-Kot 142

Package details: 130kg & 0,3m<sup>3</sup>

### Equipment delivery part list:

- 1 x Instructions for Assembly & Installation (this document)
- 4 x Posts
- 1 x Swing beam
- 2 x Swings
- 2 x 10x195mm bolts
- 2 x 10x270mm bolts
- 8 x 10mm Self locking nuts
- 8 x Black Covers: Bottoms and tops

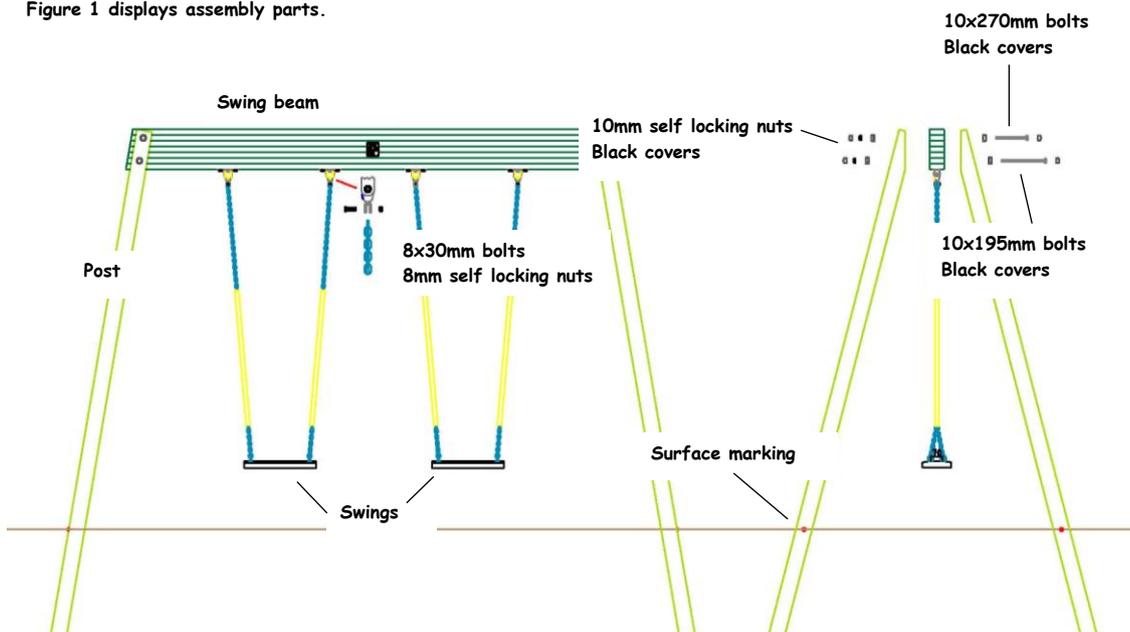


### Installers and Installation tools:

- 2 x Installers are required to successfully install the equipment
- 1 x Ratchet with 17mm sockets
- 1 x 17mm wrench
- 1 x Measuring tape
- 1 x Soft head hammer
- 2 x Shovel
- 0,2m<sup>3</sup> Concrete
- 0,4m<sup>3</sup> Gravel

### Installation Instructions:

Figure 1 displays assembly parts.

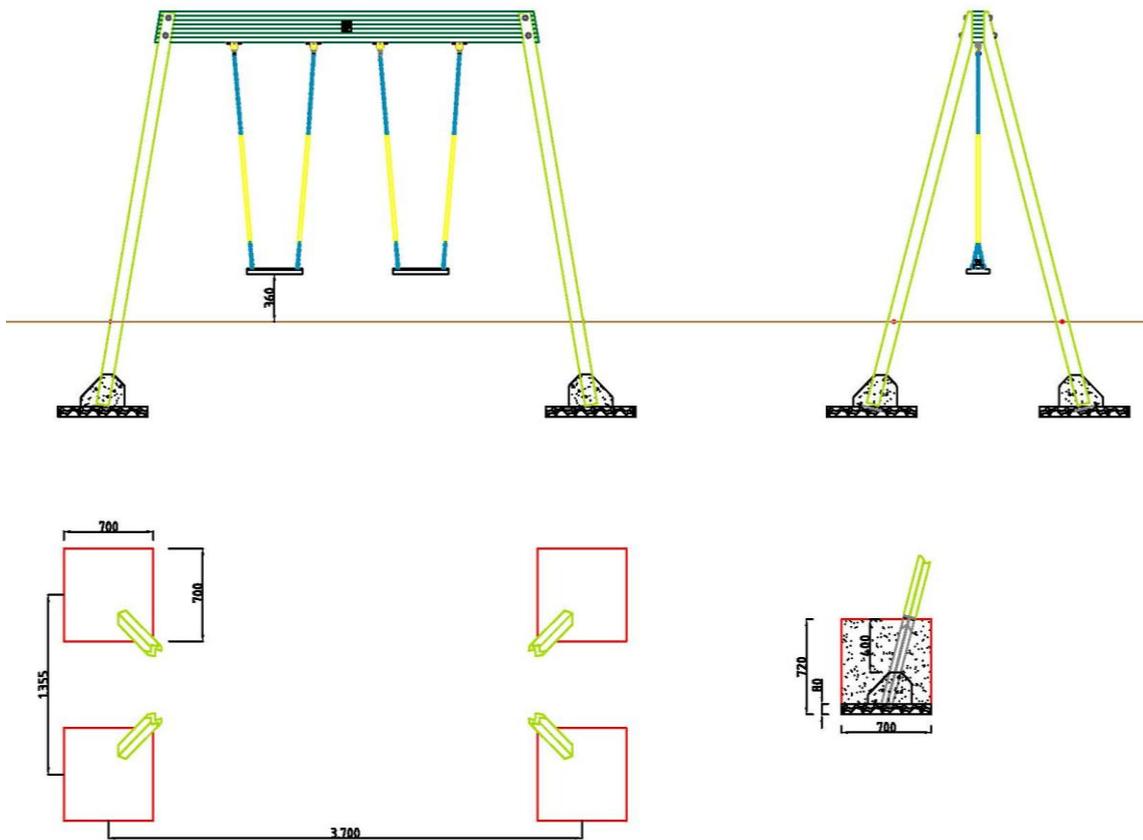


### Assembly sequence:

- 1 Attach posts to the swing beam as figure 1 displays, using the 17mm wrench and ratchet with 17mm socket.
- 2 Use the soft headed hammer to close the covers.

## Placing of the equipment and foundation:

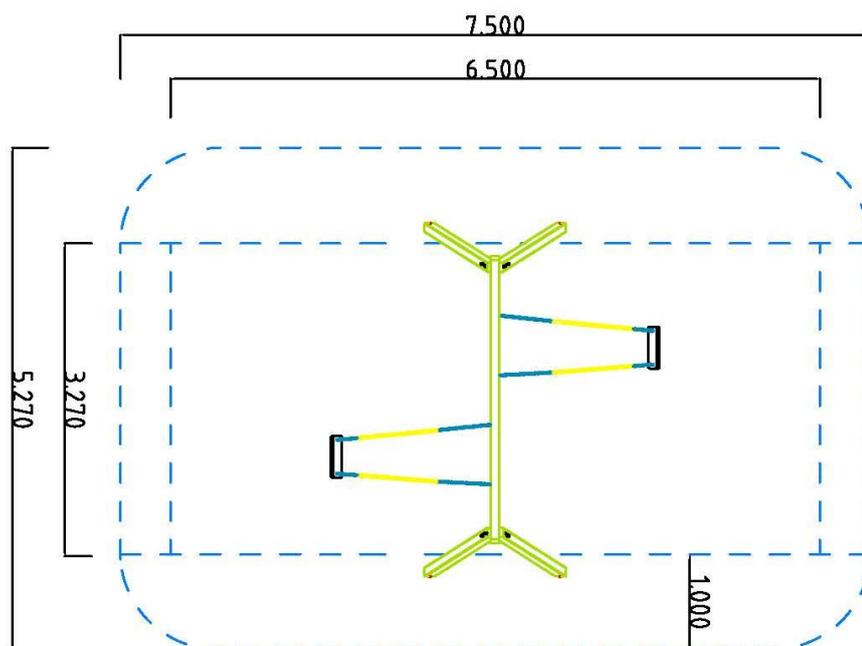
Figure 2 displays the holes for the ground fasteners. All measurements are in mm.



- 1 Dig holes as displayed in figure 2. Place 80mm of compressed gravel into all four holes.
- 2 Place the equipment into the holes as figure 2 displays. The red surface marks should be just above surface level.
- 3 Place approximately 1/4th of the amount of concrete into each hole. Make sure the concrete is at least 400mm below ground surface.
- 4 Fyllið upp í holurnar með mól en ekki gleyma að skilja eftir rými fyrir fallvörn.
- 5 Caution: when using different types of fall protection be certain that it fulfills all safety requirements as described on next page.
- 6 Caution: The swings must have a minimum ground clearance of 360mm.

## Safety:

Figure 3 displays minimum space requirements, safety clearance and maximum fall height. Measurements are in mm.



- KRUMMA-Gull 142 is certified by Dansk Technologisk Institut according to EN1176.
- The maximum fall height determines the fall protection surface. The surface must have 1000HIC or less, where HIC is the measurement for the surface impact.
- The time it takes to dampen the impact must be less than 3msec.
- The following impact attenuating materials need to have a minimum depth of 200mm for this product: Bark; Woodchip; Sand (0,2-2 grain size) and Gravel (2-8 grain size).
- When using other types of fall protection, make sure it dampens falling height of 1,23m.
- Turf / topsoil is not sufficient fall protection for this product.

## Maintenance:

### Impact protection surface:

- Maintain the impact attenuating adequately on a regular basis.
- Keep the safety zone free from external obstacles.

### Product:

- Use sal ammoniac soap to clean painting. Next option is to use white sprit but make sure to clean the surface with sal ammoniac soap afterwards.

### Recommended Maintenance routines:

- Have a calendar schedule and register when maintenance checks are performed.
- Perform routine visual inspection daily or monthly depending on use. Remove sharp and other external obstacles from the safety zone and restore loose fill impact material to the correct level.
- Perform operational inspection every 1-3rd month, depending on use. Clean the equipment, remove external obstacles from the safety zone and restore loose fill impact material to the correct level. Check the operation and stability of the equipment and if parts or fastenings have been removed from the equipment.
- During annual inspection all bearing parts shall be checked. Exchange bearing posts if rotting is noticed. Tighten and fasten all fastenings. If changes have been made to the product, due to effects of weather or vandalism, restore it to its original shape to retain the overall level of safety.