



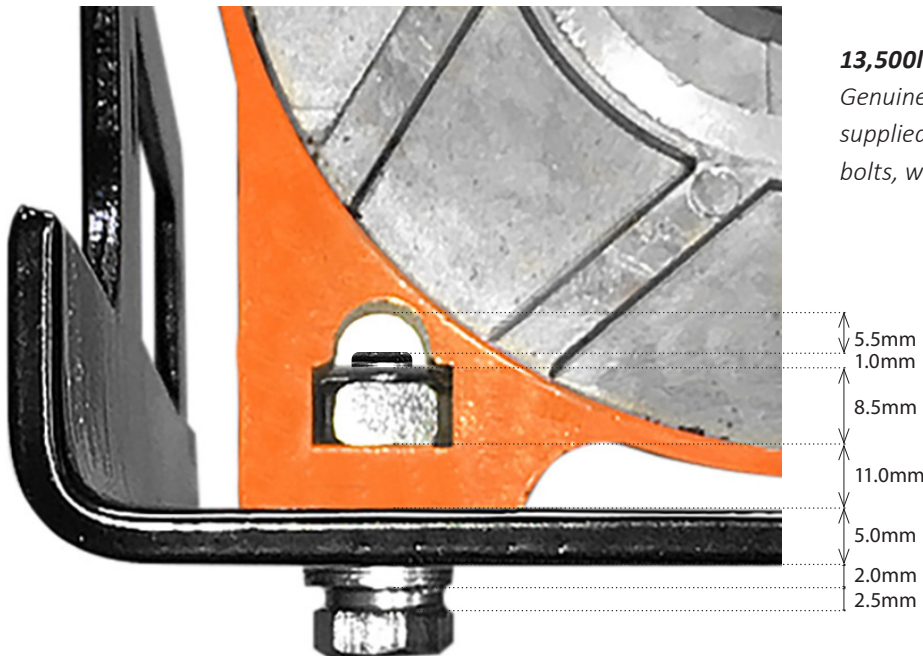
## WINCHMAX 4000lb to 13500lb winches

### Selecting the correct mounting hardware.

Winches should only be installed by a suitably 'competent' person with a good understanding of basic engineering principles. If in doubt contact WINCHMAX before proceeding.

WINCHMAX winches are supplied with the correct hardware for safely mounting on to WINCHMAX mounting plates, receiver hitch mounts and winch bumpers. If installed, the mounting hardware is capable of withstanding at least two times the force that the winch can produce.

WINCHMAX recognise that winches may be used in many varied applications and the supplied mounting kit may not be suitable. In this case, it is important to understand the requirements for safe installation. The specific information contained here is based on the WINCHMAX 13,500lb winch only, however, the basic principles can be applied to all winches which employ the same type of mounting system.



#### **13,500lb Winch base mounting detail.**

*Genuine WINCHMAX mounting plate and supplied high tensile grade 8.8 M10 x 30mm bolts, washer, lock washer and square nuts.*

#### **VERY IMPORTANT**

- The mounting bolt must only be used with the correct square nut designed to seat into the nut pockets formed in each corner of the motor and gearbox base. Never use standard hexagonal type nuts.
- The M10 x 30mm mounting bolts supplied are suitable for securing the winch onto material with a maximum thickness of 6mm. For material over 6mm thickness longer bolts must be used which must be high tensile grade 8.8 or higher.
- When selecting a bolt length the thread must be long enough to pass through the mounting material and fully fill the thread of the square nut without contacting the top of the mounting bolt pocket.
- The supplied flat washer and split lock washer should always be used.
- The minimum mounting bolt thread length = the thickness of the mounting material plus 24mm The maximum mounting bolt thread length = the thickness of the mounting material plus 29.5mm
- If you need to increase the clearance in the nut pocket, addition washers can be used but we do not recommend an increment of more than 4mm.
- Failing to correctly mount your winch could result in a catastrophic structural failure to the winch and serious consequential damage/injury.