

Transport, Storage and Construction Information
Ox Fence

Moore Concrete Ox Posts are designed, or load tested by Chartered Engineers in accordance with EN 1992; Eurocode 2 and manufactured in accordance with BS EN 12839:2012 Precast concrete products - Elements for fences. Care must be taken during transport, offloading and installation to maintain the integrity of the units.

Posts will be dispatched when the concrete is a minimum of seven days old and therefore is suitable for installation.

PRODUCT TYPE	Length	Cross Section	Weight (kg)
Ox Strain Post	3050 (10')	200 x 200 (8" x 8")	235
	2590 (8'6")	200 x 200 (8" x 8")	200
	2135 (7')	200 x 200 (8" x 8")	165
Ox Post Intermediate	1830 (6')	100 x 75 (4" x 3")	31
Ox Strain Struts	1830 (6')	100 x 75 (4" x 3")	30

Table 1 Weights of Ox Fence Products

Transport

- **Ox Posts** – are strapped in bundles of 30 on a pallet. Each row has 10 per row with a timber lath positioned between each row.
- **OxStrains** – will be transported on timber skids. 4 per row and no more than 3 high.
- Bundles &/or pallets should be strapped down securely with ratchet straps.
- The driver collecting the units from Moore Concrete will be responsible for securing and the stability of the units before departing the yard.



Offloading & Storage

The install should be completed by competent persons in line with a specific risk assessment and “*Lifting Operations Lifting Equipment Regulations (NI) 1999*”. If a crane is required the installation to be completed must be in line with the Lift Plan conducted in accordance with “*Safe Use of Cranes BS 7121-1:2016*”. All plant and equipment should be in line the Provision & Use of Work Equipment Regulations.

- All equipment should be checked before use, to ensure that it is in a good condition and capable of lifting a bundle / pallet of the units.
- The customer should lift and handle the units either by under-sliding with web slings or lifting directly with appropriate mechanical lifting equipment, such as a telescopic handler or forklift.
- The following should be adhered to when offloading
 - **Ox Posts** – are strapped in bundles of 30 on a pallet. Each row has 10 per row with a timber lath positioned between each row. There are 2 bundles per pallet and should be offloading using the pallet
 - **OxStrains** – will be transported on timber skids. Operator should refer weight table of products on Page 1 and ensure that the capability of the lifting equipment is not exceeded.
- Offloading and storage must be done safely and carefully on to firm and level ground.



Installation

OxStrain and OxPosts are manufactured to BS EN 12839:2012 Precast concrete products - Elements for fences, which should be used in conjunction with BS1722-2:2006 – Fences

OxPost - centre-to-centre distance between intermediate posts when being used for mesh or wire fence should not exceed 3.0m.

OxStrain Posts - must be set at centres not exceeding 150 metres or at each change in direction or gradient. It is not recommended that gates are hung on a straining post as this might have a detrimental effect on the tension. Instead, gates should be hung on a separate post to ensure proper functionality and tension in the fence line.

During installation of the units the operator must:

1. Plan the lift ensuring the surrounding area is free from obstructions.
2. Ensure lifting equipment adequate to handle the weight of units to installation location. Ensure the rubber lined driving cap is placed on the top of the post prior to driving to transfer the force without damaging or chipping the concrete. (image 2)
3. Lift unit vertically by hand, slowly and gently, maintaining control at all times, until unit is in the desired location. (image 1)
4. Using a suitable post driver, drive the posts into location in the same method as a traditional timber post until the post is at the required height for fencing. (image 3). Care should be taken to avoid pulling the post into the vertical while it has been partially driven. This will lead to damage to the post.
5. Remove driving cap as per image 4 and proceed to next post location.
6. Care should be taken to ensure units are driven in a vertical and controlled manner by a competent person.



Additional Resources:

The aforementioned procedures can be viewed on videos by clicking on the following links

- [Ox Strain Posts | Concrete Specialists | Moore Concrete \(moore-concrete.com\)](#)
- [OX Post | Concrete Service Specialists | Moore Concrete \(moore-concrete.com\)](#)

The manufacturer assumes no liability for damage incurred by improper handling.