

**Transport, Storage and Installation Information**  
**Water Troughs/Livestock Drinkers**

Moore Concrete Water Troughs/Livestock Drinkers are designed by Chartered Structural Engineers and manufactured in compliance with BS 3445-1 and comply with WRAS Regulations. Care must be taken during transport, offloading and installation to guarantee the integrity of the units.

Each trough incorporates a drainage hole (s) on the side wall of the trough which is sealed by a rubber bung(s). At low temperatures where water is liable to freeze, we would recommend troughs are fully drained to prevent damage.

**Dimensions & Weights**

Capacity	Length (mm)	Width (mm)	Depth (mm)	Weight (kg)
68 Ltrs (15 gal)	970	600	370	220
90 Ltrs (20 gal)	1170	600	370	260
205 Ltrs (45 gal)	2000	600	370	420
180 Ltrs (40 gal)	1490	670	410	420
340 Ltrs (75 gal)	1540	770	520	520
680 Ltrs (150 gal)	1890	920	610	760
1365 Ltrs (300 gal)	2400	1200	800	1400
2270 Ltrs (500 gal)	4000	1200	800	2180
455 Ltrs (100 gal)	2135	675	700*	1050

\* excluding 100mm deep feet

**Transport**

- Each unit will be placed on timber skids and units will be spaced at an adequate distance apart to ensure no damage occurs to the units during transit.
- The driver collecting the units from Moore Concrete will be responsible for securing and the stability of the units before departing the yard.

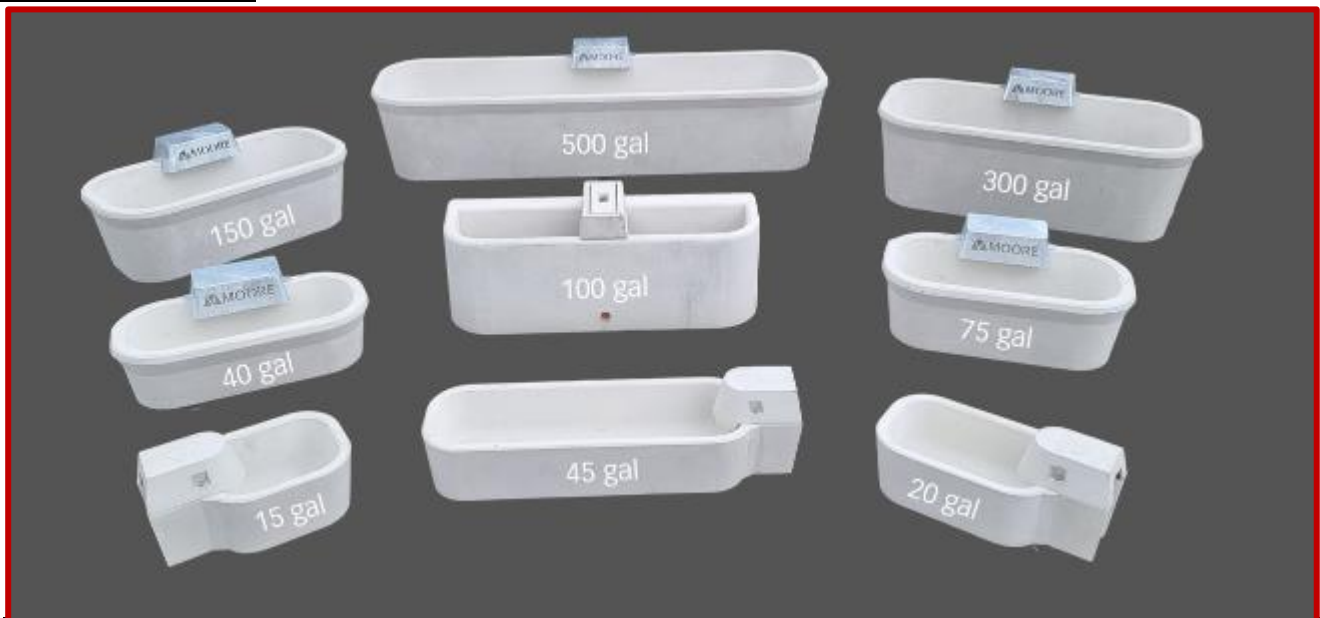


### Offloading & Storage





Handling of the troughs should be completed by competent persons in line with a specific risk assessment and "Lifting Operations Lifting Equipment Regulations - 1998 or 1999 (NI)

- All equipment should be checked before use, to ensure that it is in a good condition and capable of lifting the units.
- 15, 20 & 45 Gallon troughs may be loaded 2 wide on a timber skid. Care should be taken when offloading from the wagon & ensure that both are securely on the fork toes.
- Troughs should be moved around no more than 2 high
- Offloading and storage must be carried out safely and carefully onto firm and level ground, leaving appropriate distance between unit

### Trough Accessories



Each trough will be delivered with a number of accessories, as detailed below

Single Troughs – Capacity 15, 20 & 45 Gallon			
<b>49mm Rubber Bung x 1 Nr</b>  Stock Code – RB49	<b>12mm diameter Bolt</b> 60mm long x 2 Nr 20mm long x 2 Nr 	<b>12mm Washers x 2 Nr</b> 	<b>Bracket for Ballcock x 1 Nr</b>  Stock Code – BRACKET1520

## Large Troughs – Capacity 40, 75, 150, 300 & 500\* Gallon

49mm Rubber Bung\* x 1 Nr.



\*500 Gallon Trough has 2 Bungs

Stock Code – RB49

12mm diameter Bolt  
20mm long x 4 Nr.



Bracket for Ballcock x 1 Nr



Stock Code - BRACKETLD

## 100 Gallon in House Drinking Trough

75mm Rubber Bung



Stock Code – RB75

12mm diameter Bolt  
180mm long Bolt x 1 Nr.



### Assembling & Installing

- All equipment should be checked before use, to ensure that it is in a good condition and capable of lifting the units
- Before approaching the trough ensure that it is stable.
- Troughs should be set on a firm, level base, ensuring that the drinkers are supported all the way across their base.
- Both the Single & Large Troughs accommodate a ½" Brass Float Valve (6" Arm, 3" Tail) with a 4" float. Some customers opt to use a fast flow ballcock. The 100 Gallon In House Trough requires a 4" Tail this is to facilitate fixing through the concrete lid. Moore Concrete do not supply Ballcocks unless upon request.

## Single Troughs – Capacity 15, 20 & 45 Gallon



- Fix ballcock bracket using to the 2 Nr. sockets at the back of trough with the M12 x 20mm long Bolts
- Assemble ballcock as shown in adacent images
- Waterpipe should be connected using a 90 degree bend
- Concrete lid should be fixed using the 2 remaining sockets. Slide the washer onto the bolt before securing, ensuring not to overtighten

## Large Troughs – Capacity 40, 75, 150, 300 & 500 Gallon



- Fix ballcock bracket to 2 Nr. holes adjacent to the pipe recess using M12 Bolts
- Assemble ballcock as shown in adjacent images. It is recommended to use 2 Nr. 90 degree bends, as shown
- Galvanised housing/lid should be fixed using the 2 remaining sockets using M12 Bolts



## 100 Gallon in House Drinking Trough



- Secure the concrete lid using the 12mm diameter Bolt 180mm long Bolt.
- Assemble ballcock as shown in adjacent images. The tail on Ballcock will need to be a minimum of 4" long to facilitate depth of the concrete lid.
- Waterpipe should be connected using a 90 degree bend



At low temperatures where water is liable to freeze, we would recommend troughs are fully drained to prevent damage.

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