

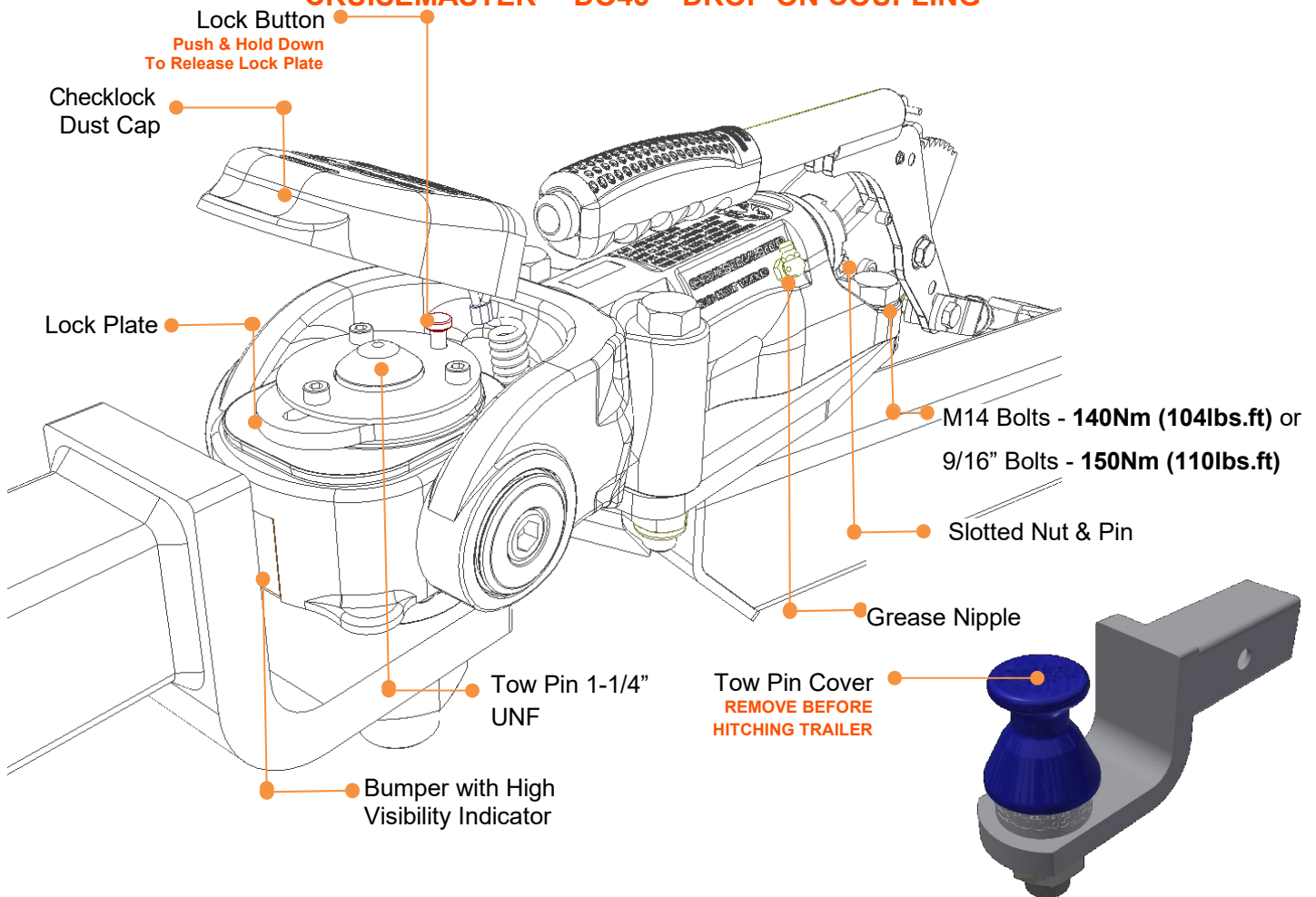


CRUISEMASTER™
AUSTRALIA'S LEADER IN ALL-TERRAIN TOWING TECHNOLOGY

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CUSTOMER INFORMATION SHEET – NO. 039

CRUISEMASTER™ DO45 – DROP-ON COUPLING

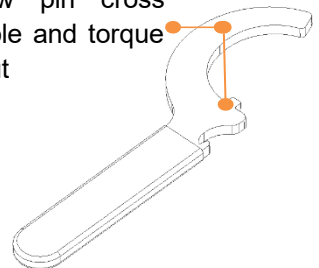


FOR USE IN AUSTRALIA	-	ADR RATED TO 4500kg (9920lb) D-VALUE 24.5kN V-VALUE 14.5kN
FOR USE IN NORTH AMERICA	-	SAE J684 RATED TO CLASS 4 TRAILERS

1. Mounting the DO45 TOW PIN onto vehicle Tow bar:

For Australian supplied couplings fit tow pin to towbar using spring washer and 1-1/4" nut supplied and torque to 750Nm (553lbs.ft) It may be necessary to hold the tow pin in place using the supplied c-spanner.

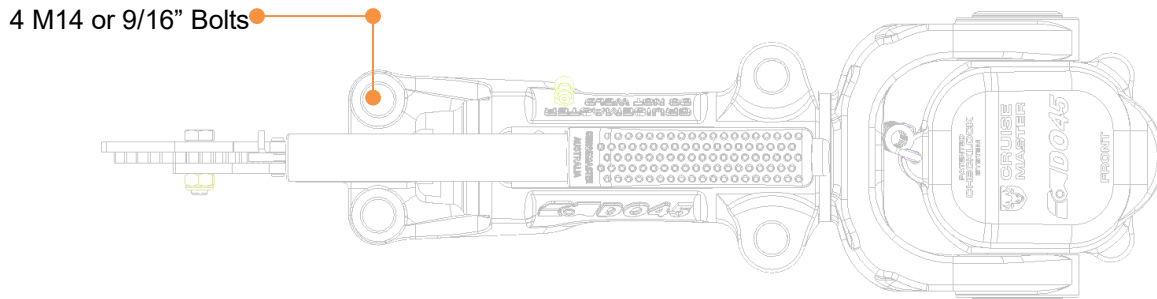
Insert tab into
tow pin cross
hole and torque
nut



2. Bolting the DO45 COUPLING onto trailer drawbar:

Always use four new bolts to secure Coupling to Trailer. Bolt grades to be minimum M14 Class 8.8 torqued to 140Nm (104lbs.ft) or 9/16" Grade 5 bolts torqued to 150Nm (110lbs.ft). Use either nylon insert nuts or spring washers. DO NOT ATTEMPT TO WELD the coupling to the drawbar. The coupling must always be mounted flat on the drawbar plate.

A drawbar weight of at least 50kg (110lb) and not exceeding 450kg (992lb) is recommended.



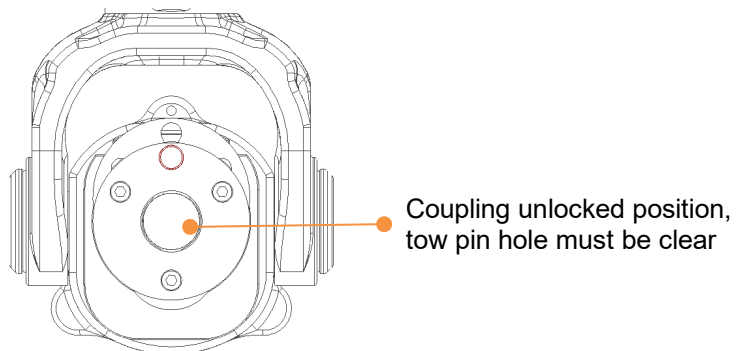
3. Use of Weight Distribution Hitches:

HITCHMASTER DO45 can be used with load distribution hitches' providing the coupling movement is not obstructed and the maximum downward load of 450kg (992lb) is not exceeded. With a WDH adaptor attached to the vehicle, clearance should also be checked to ensure the trailer drawbar does not foul, particularly in tight reversing situations.

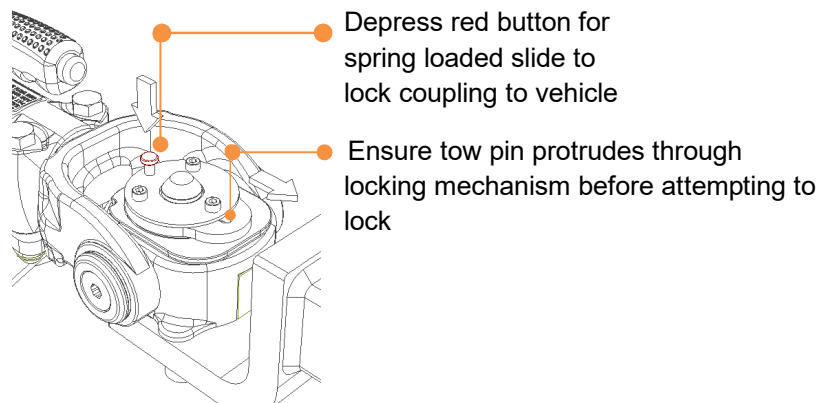
4. How to hitch your DO45:

For coupling the DO45 to your vehicle, we recommend the following:

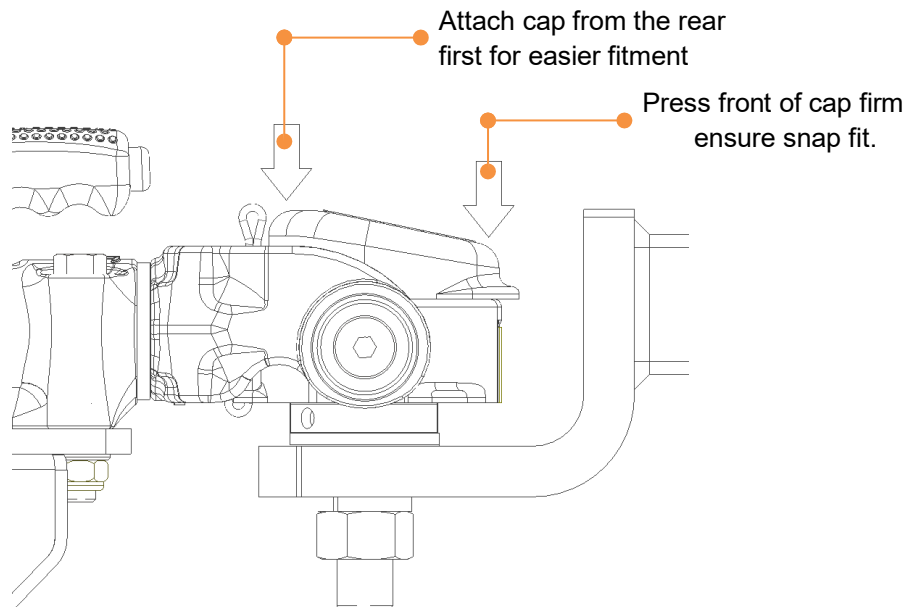
1. Ensure Tow Pin Cover is removed from Tow Pin.
2. Make sure Tow Pin and Universal is free of sand, dirt and foreign objects, and is lightly lubricated.
3. Raise height of trailer coupling above vehicle Tow Pin by adjusting Jockey Wheel or Stand.
4. Push and hold Lock Button down, push the Lock Plate to full open position until the Lock Button is able to spring back



5. Align Coupling over Tow Pin by moving either vehicle or trailer, and lower Coupling onto Tow Pin. Ensure that Universal is fully seated on Tow Pin; Ensure Tow Pin protrudes through locking plate.
6. Push the Lock Button to release the plate into the locked position.



7. Assemble the Checklock cap by snapping in the back edge of the cap first and then pushing down on the front. The cap will emit an audible snap when assembled correctly.



5. Maintenance:

To ensure a long service life we recommend the following periodic maintenance procedures

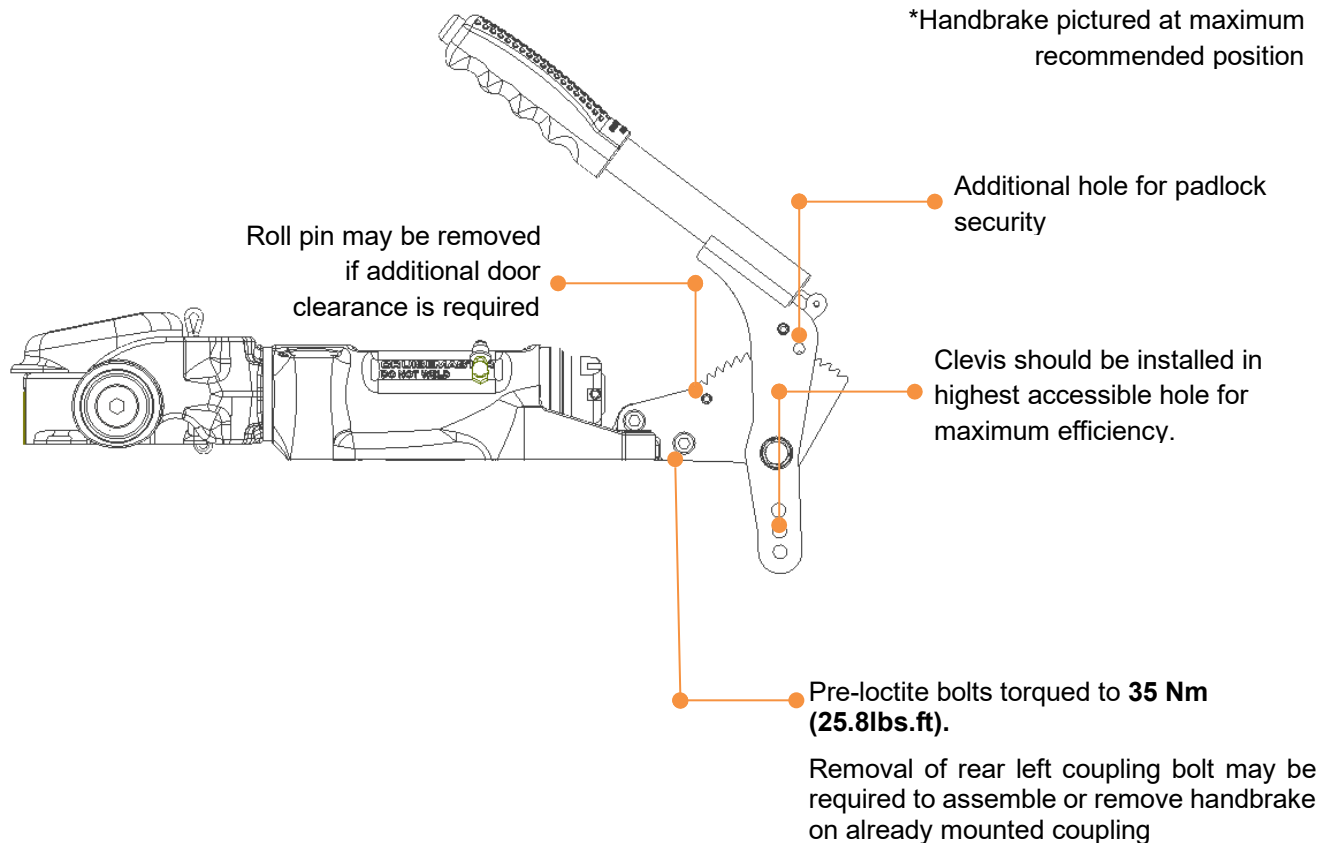
- a. Keep Tow Pin and Universal mating surfaces clean and lightly greased at all times
- b. Check condition of Tow Pin O-Ring and replace if necessary.
- c. Regularly lubricate grease points with multi-purpose grease.
- d. Check all bolts regularly for tightness.
- e. Periodic adjustment of Slotted Nut & Pin may be required if coupling head loosens excessively and should be performed by a competent person.
- f. Flush with clean water if locking mechanism does not open fully due to dirt ingress.

SAFETY

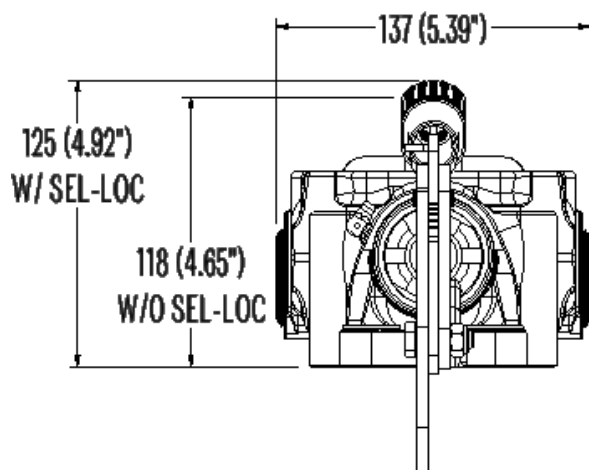
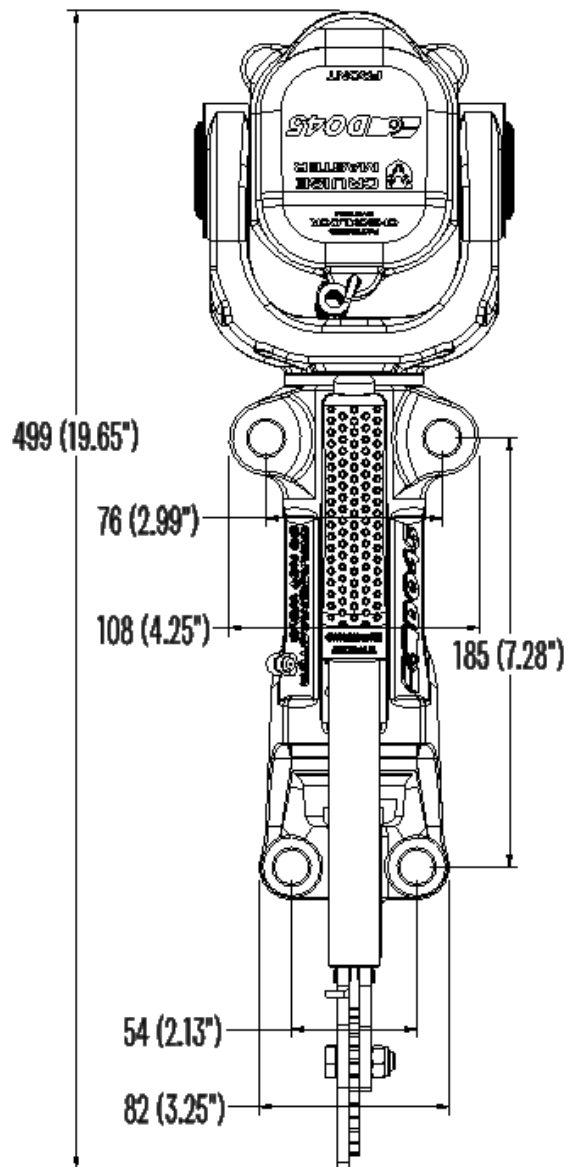
- Keep hands and fingers clear of coupling when attaching.
- Ensure trailer safety chains are attached whilst coupling or uncoupling.
- Do not use Tow Pin or Coupling for recovery purposes.

6. Use and Attachment of Handbrake

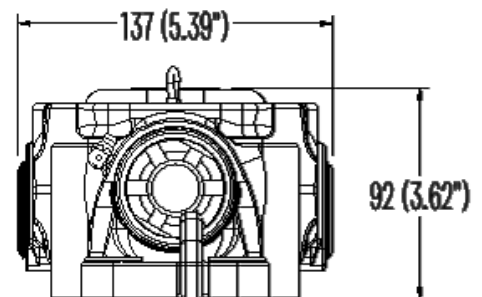
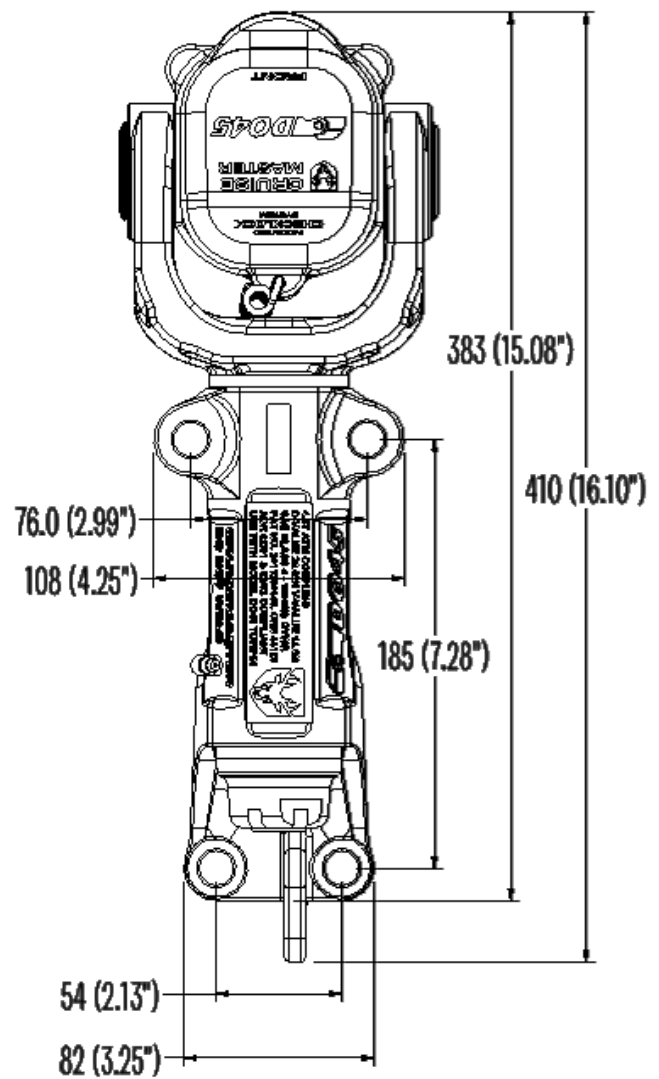
Handbrakes come preassembled on **18D-DO45PLUS-I** couplings. If you have a **18D-DO45PLUS** coupling a handbrake can be fitted by purchasing **56A-HB-V3** and following the instructions below.



7. Coupling Dimensions



18D-DO45PLUS-I



18D-DO45PLUS