



# The DCL Counterweight Prop

*The Solution to Lift Maintenance*

*Imagine | Believe | Create | Achieve*



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Mechanical Repairs & Engineering Services

# The Counterweight Prop

The DCL Counterweight Prop is a column style support designed specifically to prop up the counterweight when hanging of the cabin during lift maintenance.

Traditionally timber props were used but the directional microstructure and natural variation of timber has led to sudden failures and potentially dangerous situations. The weight and length of timber props also creates issues with handling and often require lifting aids to move the equipment onto the worksite and into position.

The DCL Counterweight Prop is the solution to the issue. Not only does it provides a sure and safe prop covered by worksafe in NSW, VIC, QLD, SA and WA it also saves work time and reduces worker strain and injury for lift maintenance work.

# Advantages

- Light Weight\* – Easily carried by hand into tight workspaces by a pair of workers- even for 3.6m lengths
- Minimising risk of injury and accidents through handling of heavy items or failure of wooden props
- Reduces time spent setting up worksite
- Rated to 4T and 10T
- Available in lengths from 0.3m – 3.6m
- Certified with Workcover approval in NSW, QLD, SA, VIC and WA
- Stackable

\*1m length 10T capacity is 12kg, 2m length 10T capacity is 25kg



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# Stackable

- Stackable – The props are able to be connected and stacked for a versatile setup
- Shorter units may be transported and carried in confined spaces and connected on final work site
- Stackable design and light weight means they can be carried into spaces that are not possible with a single wooden prop



# Stacking Procedure

1. Ensure faces are flat and clean – Using a straight edge ensure that the faces are within 0.5mm from flat
2. Connect faces together – With four M10 x 35mm long Gr 8.8 bolts, nuts and spring washers connect the faces together and hand tighten bolts
3. Line up and tighten – Visually ensure the faceplates are lined up before tightening all four bolts to 20Nm using a torque wrench
4. CWP is ready for use



# Usage Procedure

- Ensure CWP is in good condition by inspecting welds for cracks and structure for buckling
- Ensure CWP Endplates are clean, flat and free of damage
- Ensure CWP is vertical using a level on top face
- Gently lower counterweight onto CWP; ensuring counterweight is evenly supported and CWP is level
- Install barricades to prevent unauthorised access to hazard zones

For full stacking and usage procedure see [CWT Prop Assy procedure.PDF](#)

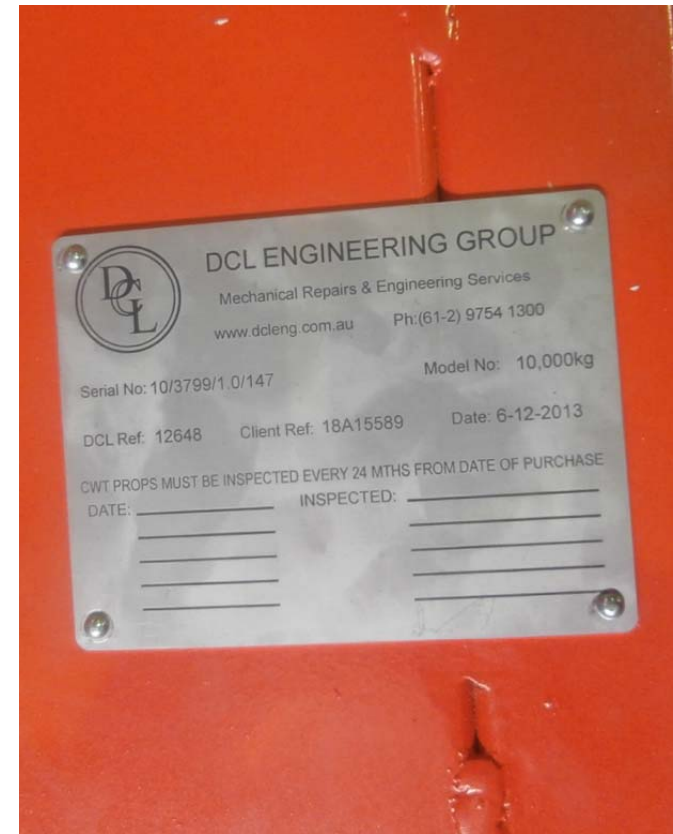
# Safety Precautions

- Before stacking ensure mating faces are flat using a straight edge. If irregularities exceed 0.5mm the CWP is to be returned to DCL for inspection and recertification
- CWPs must be handled with care due to the soft aluminium material
- Do not stack more than 3 CWPs together
- CWPs must be vertical and square before bearing weight
- If a CWP is dropped, it must be checked for surface cracks and damage to welded areas. Dye penetrant is recommended for full crack inspection



# Regulations

- Stackable Counterweight Props must be returned to DCL every 24 months for inspection and recertification
- Counterweight props must be returned to DCL immediately for inspection and recertification if any damage is found
- Counterweight Props are certified under Workcover for NSW, QLD, VIC, SA and WA



Certification Plate



# Contact Us

For further information on the product please contact

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[www.dcleng.com.au](http://www.dcleng.com.au)

or

[www.sheaves.com.au](http://www.sheaves.com.au)



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