



## **Tyre Inflation Guide - Best Practice**

Maintaining your tyre pressures is essential to the safety and stability of a Telehandler and other Mobile Plant, these should be checked daily in accordance with the manufacturer's recommendation.



Failure to check tyre pressures could result in fatal or serious injury to the operator or third parties working in the vicinity due to the machine rolling over.

Stability of machines can be adversely affected by issues such as:

- Low tyre pressures
- High tyre pressures
- Uneven tyre pressures

Before adjusting tyre pressures you should carry out a visual inspection of the tyres paying particular attention to the following:

- The valve should be checked to ensure it is not leaking or damaged.
- Tyres should be visually inspected for deep cuts which expose the cords and any bulging denoting casing impact damage.
- Ply rating should be as per the manufacturer's recommendation.

Warning: do not attempt to inflate a tyre where there are cords exposed in any splits, this could result in a blow-out. Please contact the machine provider for further assistance and guidance.

- Before carrying out inflation a 3 metre personnel exclusion zone should be set up around the machine by use of barriers, cones, signs etc.

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- The Telehandler/ Mobile Plant should be parked in the centre of the exclusion zone on level ground with the handbrake applied, ignition keys removed and the stabiliser legs deployed.
- The operator should attach the 3 metre safety line with lock off valve onto the tyre valve.



- The operator should now take up position on the opposite side of the machine to that of the tyre being inflated, this is to avoid possible injury in the event of a tyre failure.

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- After inflation the tyre pressures should be checked to ensure they are at the correct pressure before returning the machine into service.



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## **DO'S AND DON'TS FOR TYRE INFLATION**

<p><b>Do</b> use a clip-on chuck to connect the airline which must be fitted with a fully automatic pressure cut out switch.</p> <p><b>Do</b> use airline hoses long enough to allow the operator to stay outside the likely explosion trajectory during inflation.</p> <p><b>Do</b> remove the airline after use to prevent air seepage and possible over inflation.</p>	<p><b>Don't</b> use valve connectors that require the operator to hold them in place.</p> <p><b>Don't</b> exceed the manufacturer's recommended tyre pressure for the size and rating of the tyre.</p> <p><b>Don't</b> use 'unrestricted' airlines (i.e. without a gauge or pressure control device).</p> <p><b>Don't</b> allow the control valve to be jammed open (which could allow the operator to leave the inflating tyre unattended).</p>
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**Be safe; if in doubt consult a tyre specialist**

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