



**FORKLIFT ATTACHMENTS
MATERIALS HANDLING
OPERATOR TRAINING
SERVICE & PARTS**

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Learning Guide for Unit Standard 18496 Version 3 (2022) (Endorsement F)

1. Describe the legal requirements relating to the driving of a forklift on the road.

- The Land Transport (Road User) Rule and the Traffic Regulations (1976) **contain the regulations for driving a forklift on a road.**
- The Road Code is a 'plain English' interpretation of the Traffic Regulations. Land Transport (Road User) Rule 2004.
- The Land Transport (Driver Licensing) Rule 2004 **contains the requirements for drivers to be licensed and to hold an F endorsement to drive a forklift on a road.**
- The Safety Code for Forklift Truck Operators No1 Front Loading Forklift Trucks **contains the requirements for safe operation of forklifts.**
- The Approved Code of Practice for Training Operators and Instructors of Powered Industrial Lift Trucks **contains the requirements for training operators of forklifts.**
- The Truck Loading Code **contains the requirements for safety of loads on vehicles.**

2. Explain the maximum dimensions and weights for a forklift being driven on a road without any OD or OW permits.

- Max width – **2.55m** or **1.275m** from longitudinal centre line of vehicle.
- Max height – **4.3m** or any lesser height to clear any obstruction legally over the road.
- Max front overhang – **3m forward of the front edge of the driver's seat.**
- Distance a load may extend past the side of the forklift before an over dimensional flag is required - **200mm.**
- Max weight allowed on an axle with single tyres - **6,000kg.**



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- Max weight allowed on an axle with twin tyres - **8,200kg**.

3. Explain and identify the vehicle documentation required to legally drive a forklift on a road.

- Registration Plate.
- Hazard Warning markings and signs **if the forklift is over dimension**
- Licence Label.
- WOF.
- Load Plate (manufacturer's maximum load capacity).

4. Explain the driver licence classes and endorsements required to drive a forklift on a road.

- For forklifts with a GLW (gross laden weight) less than **18,000kg** a Full Class 1 driver licence with an F endorsement is required.
- For forklifts with a GLW (gross laden weight) of more than **18,000kg** GLW a Full Class 2 driver licence with an F endorsement is required.

5. Describe environmental factors effecting the safe driving of a forklift on a road.

Wet Weather:

- Reduced friction of wet surface, affecting steering and braking may result in loss of control.

Other Road users:

- Other road users including pedestrians may act unpredictably. Other road users also reduce the space to manoeuvre a forklift.

Road Conditions:

- Uneven or rough road surface may reduce stability of forklift.



- Road camber and/or road slope/gradient can also reduce the stability of the forklift.

Light conditions:

- Reduced visibility due to poor light conditions.

6. Describe precautions that may be taken to reduce the risks associated with driving a forklift on a road.

Examples may include but are not limited to:

- Temporary signs warning of forklifts operating in the area,
- Hazard lights, rotating beacons turned on (although these are not actually permitted by law for forklifts being driven on road),
- Have another person help with traffic control,
- Place cones to keep traffic clear of operating area,
- Sound horn to warn other road users,
- Travel at reduced speed,
- Defer travel if road is busy,
- Additional lighting may be required in low light conditions,
- Travel in reverse if driver is unable to see past load when travelling forward,
- Use High-Viz clothing for all involved during loading/unloading of vehicle,
- Manage the effect of rear end swing so as to avoid impact with and object or road users,
- Ensure the truck driver remains in a safe and visible position,
- Watch for potholes and other uneven surfaces or inclines,
- Ensure truck is parked in a relatively level position.