

Visibility Conclusions

All vehicles that have an obstruction, large enough to obscure rearward vision, should, where reasonably practical, be fitted with a rear view camera system, this should be used in conjunction with convex mirrors to achieve 360° all round vision. In certain circumstances a convex mirror or mirrors are sufficient, this depends on speed, nature of work, lighting conditions and the type of vehicle.

To aid in the selection of correct visibility aids our conclusions are listed on the following pages.

Generic Excavator

Upto 45 tonne

- 1 x Rear Mount Convex Mirror- BB052
- 1 x Off Side Convex Mirror -NC100 replacing flat mirror If there is no flat mirror bracket then a BB052 will be required - See Below
- 1 x Drivers Side Convex Mirror(Optional) - SC010

46 tonne +

An individual risk assessment is required to determine what visibility aids are required or if required at all. The risk assessment must take into account - vehicle design, area of work, driver competence, pedestrian and vehicle routes, light conditions and suitability of the vehicle for which it is used.

Example of visibility aids suitable for 46tonne + Excavator

- 1 x Rear View Camera System
- 1 x Off Side View Camera System
- 1 x Off Side Convex Mirror
- 1 x Driver Side Convex Mirror

Articulated Dumptruck

- 1 x Rear View Camera System
- 1 x Forward View Convex Mirror
- 2 x Large Convex Wing Mirrors

Rigid Dumptruck

- 1 x Rear View Camera System
- 2 x Forward View Convex Mirrors

Compact Site Dumptrucks

Machine complies with HSE 1mx1m recommendations, however if the skip is overloaded a visibility problem would arise. Risk Assessments and safe system of work should highlight this and all sites should advise the site dumper operators.

Wheel Loaders and Compactors

- 1 x Rear View Camera System

Up to 15 ton size

- 2 x Convex Wing Mirrors

Over 16 ton size

- 2 x Large Convex Wing Mirrors

Visibility Conclusions

Grader

- 1 x Forward View Convex Mirror
- 1 x Rear View Convex Mirror
- 2 x Large Convex Wing Mirrors

Vibrating Roller

General Visibility acceptable, however, risk assessment required before putting to work.

Telehandler

- 1 x Rear View Convex Mirror
- 1 x Off Side Convex Mirror
- 1 x Drivers Side Convex Mirror

Tipper Type Wagon

- 1 x Rear View Camera System
- 1 x Drivers Side Road Convex Mirror
- 1 x Forward View Convex Mirror

Tractor

- 2 x Convex Wing Mirrors
- + **Bowser**
- 1 x Rear View Camera System

This conclusion is only an example of what is required to improve 360° all round vision. A full risk assessment must be carried out before any work equipment is put to work.

Visibility is only a small part of site safety, accidents can be prevented if a safe system of work is in place examples of this can be -

- Segregate vehicles and pedestrians
- Establish traffic routes
- Ensure good visibility for pedestrians by providing effective lighting and siting mirrors on blind Corners
- Provide proper training, for drivers, supervisors and managers
- Ensure only authorised people can obtain access to and operate vehicles
- Select vehicles which are suitable for the job.
- Manage maintenance to ensure vehicles are kept in good condition.