

Prevent defeating



The machine's reliability and suitability for practical use do not motivate the user to facilitate his work – as he thinks – by defeating guards. The following measures may contribute:

- avoid danger points by inherently safe construction in order to render the use of guards and protective devices “superfluous”
- provide for a good visibility of the process
- provide for measuring and controlling works outside the danger zone
- avoid break downs e.g. by
 - using high-quality workmaterials and components
 - providing parameters for preventive maintenance
 - thorough trial prior to delivery to the user
- provide for sufficiently long working cycles in order to give the user enough time for fault clearance provide for clear concepts for simple and safe fault clearance
- determine the necessary modes of operation and provide appropriate protection concepts (Example: machine tool)
- fulfil the requirements of applicable technical standards
- design guards and protective devices to allow easy and simple use without hampering the user unnecessarily (Examples: restraint system at forklift trucks, drawing-in point on rollers, high bay storage facilities)
- provide for a process stop with unproblematic restart
- using appropriate modes of operation and ensuring sufficient overview over the process (Example: Safeguard at food processing/packaging machinery, machine tool)

continue to “obstruct defeating”