



BS EN 16228 DRILL RIG SAFETY

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In October last year the long awaited new drill rig safety standards 16228 was adopted by the UK.

The question is: Have they really helped?

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Part 2

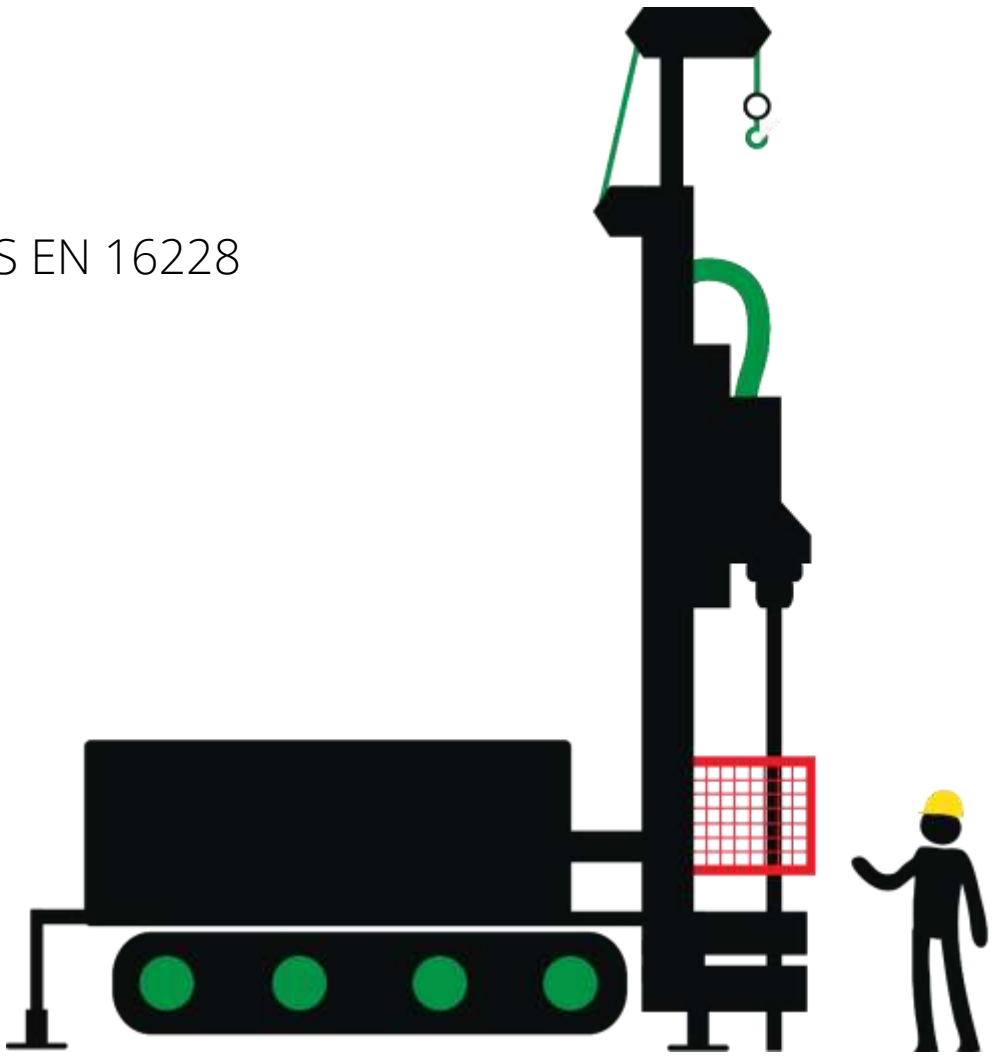
When drill rigs are equipped with guards, these guards shall comply with the following:

- Maximum height of the bottom edge of the guard shall be **up to** 500mm from ground level or **not more** than 200mm above the upper clamps/jaws;

Is this guard compliant with BS EN 16228

Is it compliant with PUWER

?





Part 2

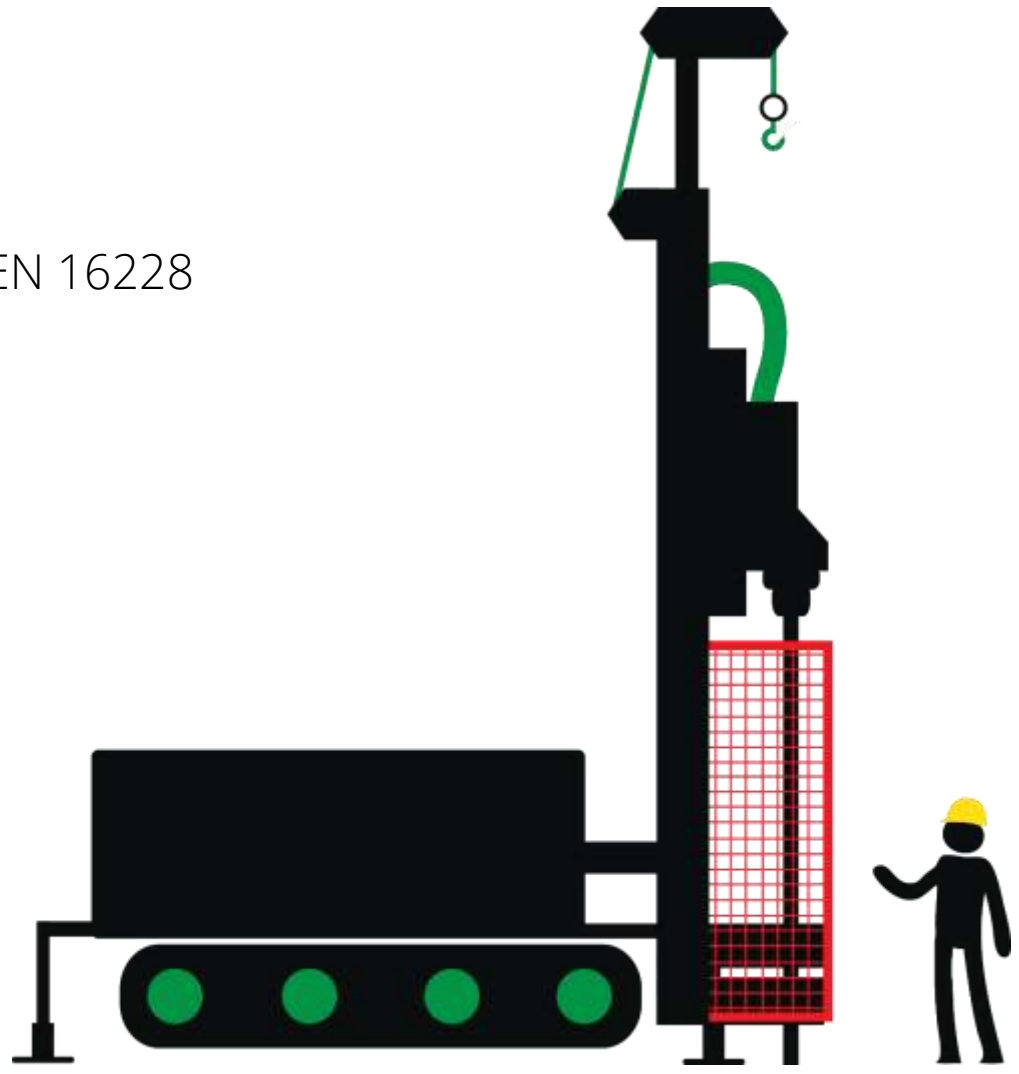
The restricted operating mode shall be applicable in the danger zone, where persons can reach moving parts up to a height of 2.5m from ground level or from the level a person is standing.



Is this guard compliant with BS EN 16228

Is it compliant with PUWER

?



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Restricted operating mode (ROM)

A rotational speed of not more than 30rpm or “inching mode” that is no more than half a revolution per activation in the danger zone;

Does that mean a slowly rotating auger doesn't need a guard

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A powered drill rod break out system **shall** be installed on drilling and foundation equipment using threaded drill rods.



All mechanical or hydraulic rod clamps and rod breaking clamps **shall** be designed and equipped to protect against the hazards during operation and maintenance of:

- entrapment;
- shearing;
- crushing.



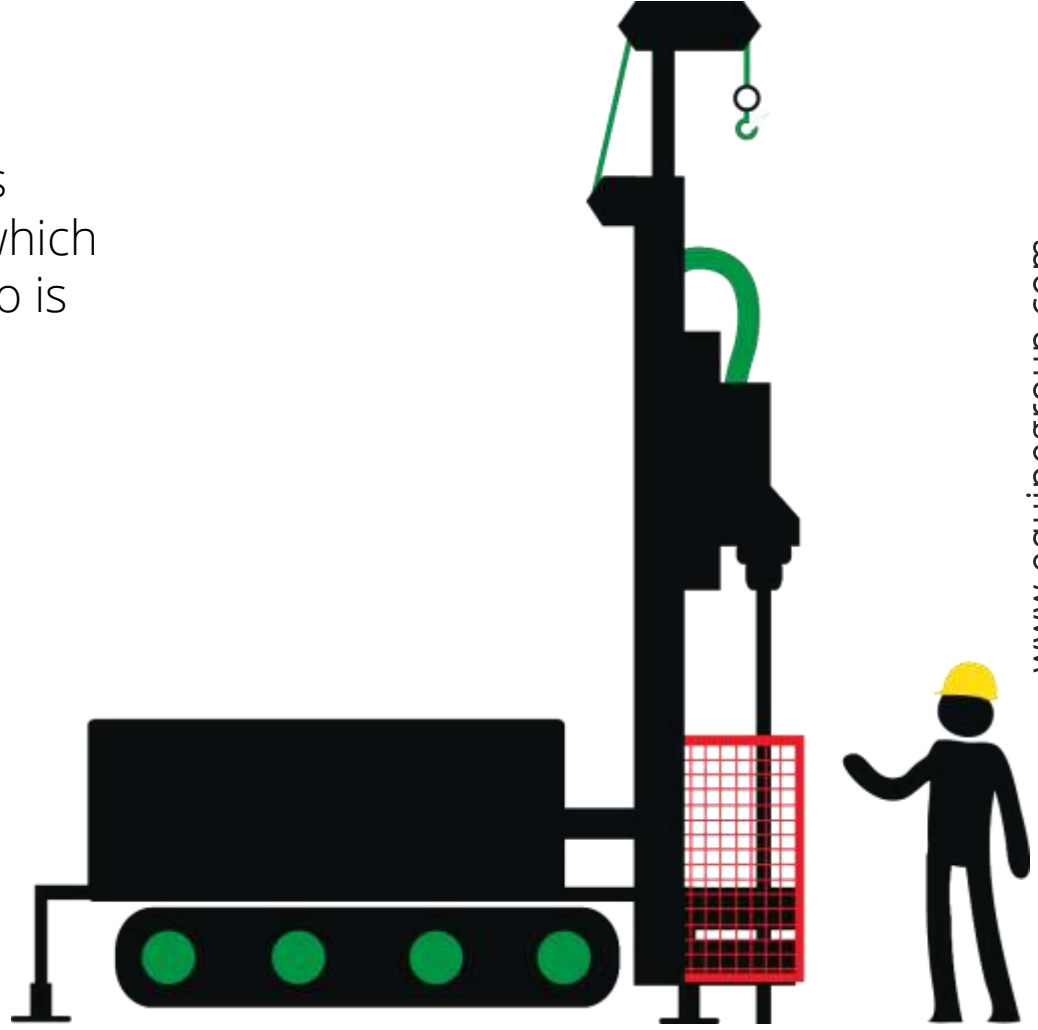
If the mass of a tool and the working process causes any person to handle **more than 25kg**, the drilling and foundation equipment **shall** be provided with a mechanized tool handling system, e.g. carousel, magazine, robot arm etc.



Drilling and foundation equipment using either compressed air or air mist as a flushing agent **shall** be fitted with a system to prevent injury to persons from ejected material or dust, e.g. dust collectors, diverters/deflectors etc.



Perhaps the use of modern rigs with breakout and the guards which we have become accustomed to is still the answer...



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Dynamic Sampling Rigs

Does BS EN 16228 apply

Is this guard compliant with
BS EN 16228

Is it compliant with PUWER

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