tyre-killers - examples/technical details

Tyre Killer

- blocking width 6 m
- solid blocking spikes in 60° blocking position
- blocking height 450 mm
- electro-hydraulic drive unit in a separate protective housing (option)
- robust below ground casing with concrete anchors
- shallow installation depth (500 mm)
- compact unit ready-for-installation

tyre killer - guaranteed blocking effect by means of solid blocking spikes

The elkosta tyre killer provides high security for sensitive areas against forced and unauthorized entry or exit of motor vehicles. Tyres, axles and suspension of motor vehicles will definitively be destroyed when forced entry or escape is attempted.

Range of application

- industrial areas
- power plants
- car parks
- multi-storey car parks
- airports
- military areas
- secured areas
- distribution depots
- drive ways at private properties

High security provided by tyre killers

- solid blocking spikes
- blocking height 450 mm
- blocking width 2.5 - 6.0 m
- highly reliable electro-hydraulic power system
- high wheel loads (100 kN) according to DIN 1072
- compact unit ready-for-installation
- shallow installation depth (500 mm)
- fast operation periods (approx 2 sec)
- below ground casing with integrated drive unit

technical details

Every single elkosta tyre killer has to undergo an extensive check programme before leaving the factory - ready for installation on site.

Fast and simple installation

One of the remarkable features of the ready-to-install tyre killers is their particular shallow installation depth of merely 500 mm. Due to this they are especially suitable for locations where the depth is restricted due to existing underground services.

- compact ready-to-install assembly unit
- steel anchors for securely grouting in on site
- centres of the spikes approx. 200 mm
- solid rotation shaft with multiple bearings
- blocking height at 60° position: 450 mm
- electro-hydraulic locking
- control in separate steel casing
- below ground casing with heating

Control equipment

According to the function required the standard control or for fully automated movement the "elkosta Control" (approved design) is used.

- push-button
- magnetic/digital card reader
- remote radio control
- induction loops
- proximity card reader
- key switch
- existing reader systems
- photo cells
- sluice function
- crash-pad

The operation of the tyre killer is effected either manually or automatically via induction loops and electronic vehicle identification systems. The automatic operation is also possible via a contact crash-pad attached to one elkosta lifting pole barrier installed in front of the tyre killer. If a motor vehicle crashes violently through the barrier the tyre killer will automatically raise into blocking position.

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