

Product Data Sheet

RhinoStop® TruckGuard



Updated: February 2026

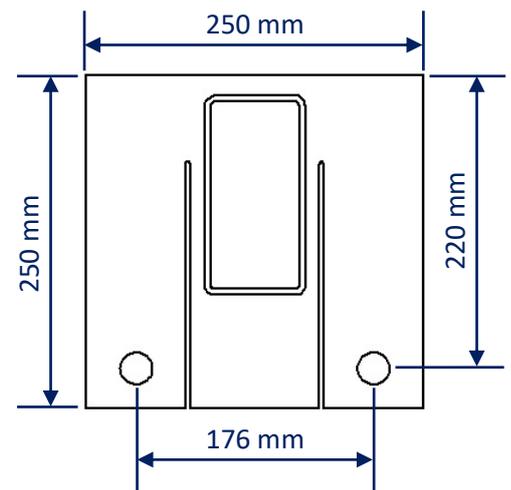
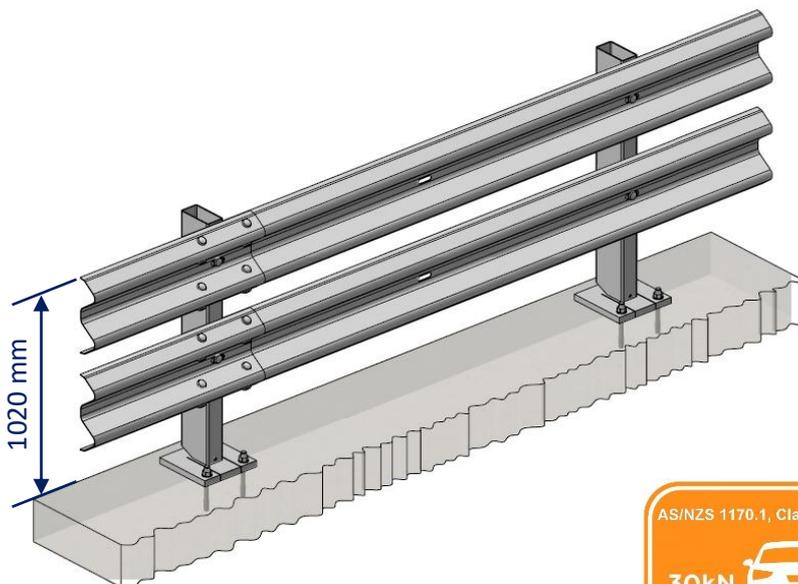
Crash Test Evaluation

Barrier Configuration	Vehicle Type	Vehicle Mass	Impact Speed	Impact Height	Impact Energy
4 m double-height w-beam supported by five (5) posts at 1.0 m centres secured to a 150 mm thick concrete slab.		2000 kilograms	24 km/h	0.5m	46.2 kilojoules
6 m double-height w-beam supported by four (4) posts at 2.0 m centres secured to a 150 mm thick concrete slab.		2000 kilograms	27 km/h	0.5m	57.4 kilojoules
8 m double-height w-beam supported by five (5) posts at 2.0 m centres secured to a concrete slab.		2500 kilograms	20 km/h	1.0m	36.9 kilojoules

Installation

Anchor Type	Drill Depth	Torque	Anchors per Post	Minimum Slab Thickness
M20 Fischer FBN II	115 mm	200 Nm	2 off	150 mm

System Detail



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Feature & Benefits

- Crash tested to exceed ALL impact conditions nominated in AS/NZS 1170.1, Clause 3.8.
- Nil damage to the anchors or 150mm thick elevated concrete slab following crash testing.
- The yielding of the baseplate allows the system to deflect and absorb higher impact loads.
- Fully modular design, can be configured with pedestrian fall protection up to 1300 mm high.
- The system height of 1.0 m improves visibility for truck drivers and forklift operators.
- The preferred barrier solution for warehouses and car parks frequented by heavy vehicles.
- All steel construction providing long term durability.
- Fewer anchor bolts when compared to traditional rigid post systems.

