Product Data Sheet

RhinoStop® TruckGuard

Last Updated: September 2025

SafeDirection
CRASH BARRIER SOLUTIONS

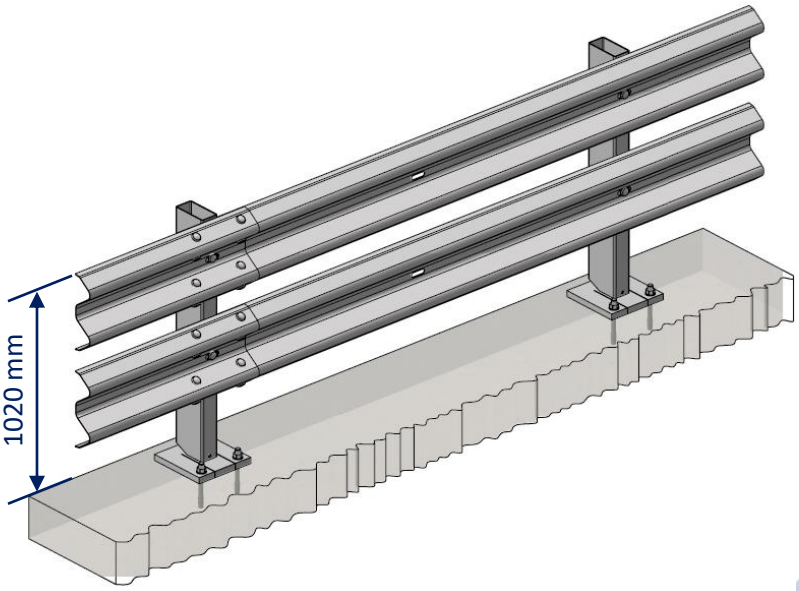
Crash Test Performance

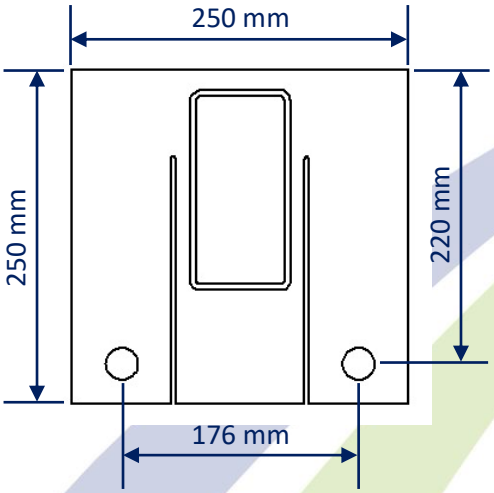
Vehicle Type	Impact Speed	Impact Height	Impact Energy	Barrier Configuration
2000 kg	24 km/h	0.5 m	46.2 kilojoules	4 m double-height w-beam supported by five (5) posts at 1.0 m centres secured to a 150 mm thick concrete slab.
2000 kg	27 km/h	0.5 m	57.4 kilojoules	6 m double-height w-beam supported by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

Installation

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

System Detail





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AS/NZS 1170.1, Clause 3.8 — 30kN Type F

AS/NZS 1170.1, Clause 3.8 — 240kN Type F Heavy Duty

AS/NZS 1170.1, Clause 3.8 — 40kN Type G

Feature & Benefits

- Crash tested to exceed ALL impact conditions nominated in AS/NZS 1170.1, Clause 3.8.
- Nil damage to the anchors or 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.
- All steel construction providing long term durability.
- Fewer anchor bolts when compared to traditional rigid post systems.