

TRU-GARD™ Certified Barrier

Description

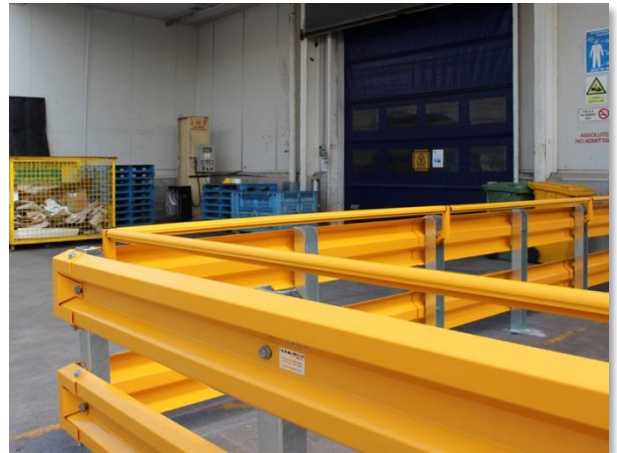
TRU-GARD™ Certified Barrier

Webpage

<http://www.tru-bilt.co.nz/tru-gard/#tru-gard-ba>

Product Information

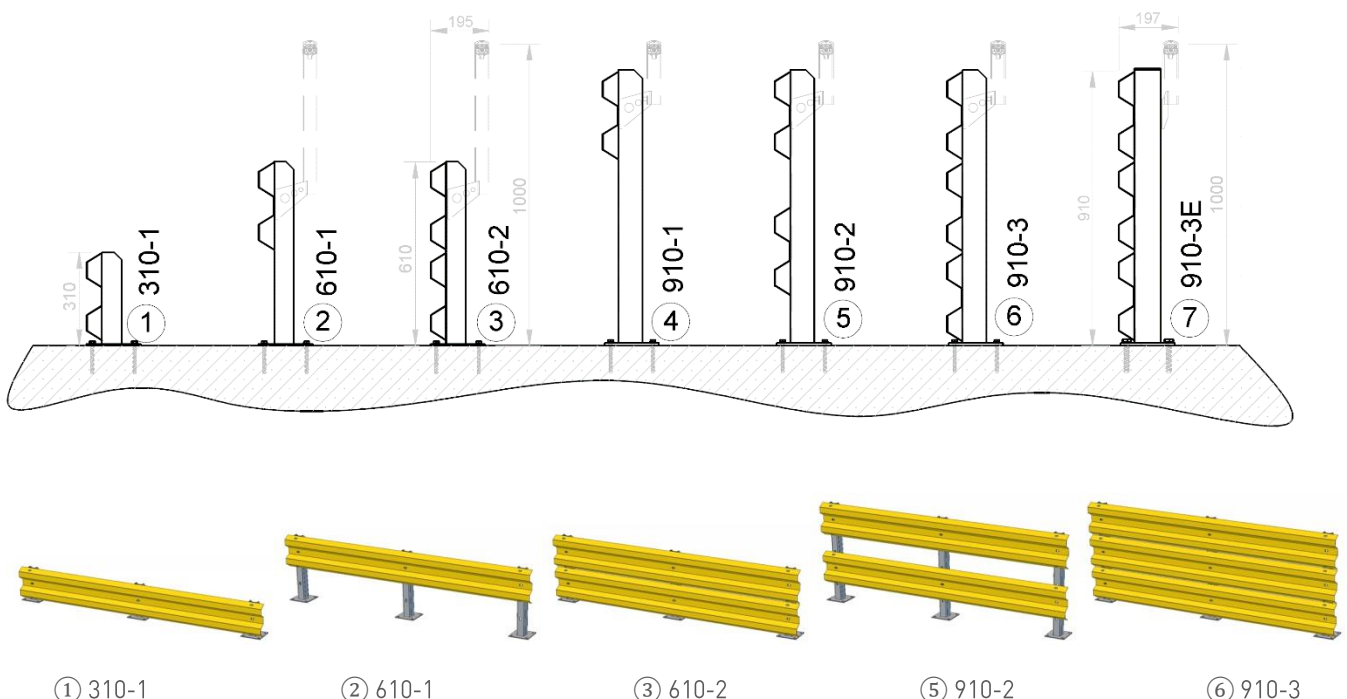
Protect your people and assets with the heavy-duty TRU-GARD™ Barrier system. TRU-GARD™ is a certified barrier system, ideal for traffic management programs and providing protection against forklift damage to building and assets and exceptional safety for personnel. The modular system includes an extensive range of accessories and components configurable for almost any commercial or industrial layout, while the small TRU-GARD™ footprint makes it ideal for a wide variety of applications. Whether you want to prevent vehicle damage and the need for expensive repairs, strengthen your traffic control or simply provide super secure personnel protection – there's no stronger, safer, more cost-effective crash barrier system than a certified TRU-GARD™ Barrier.



Technical Specification

- ✓ Post height; 310mm, 610mm or 910mm.
- ✓ Barrier Rails; 1, 2 or 3 rails for maximum protection.
- ✓ 2400mmL as standard (1200mmL by request)
- ✓ Finish; Safety Yellow, Hot Dip Galvanised, or Safety Yellow over Galvanised.
- ✓ Compliant with AS/NZS 1170.1 SECTION 3.8
- ✓ Multiple configurations available to suit any application.
- ✓ Compatible with the TRU-RAIL™ Safety Hand Rail system.

Barrier Configurations



① 310-1

② 610-1

③ 610-2

⑤ 910-2

⑥ 910-3

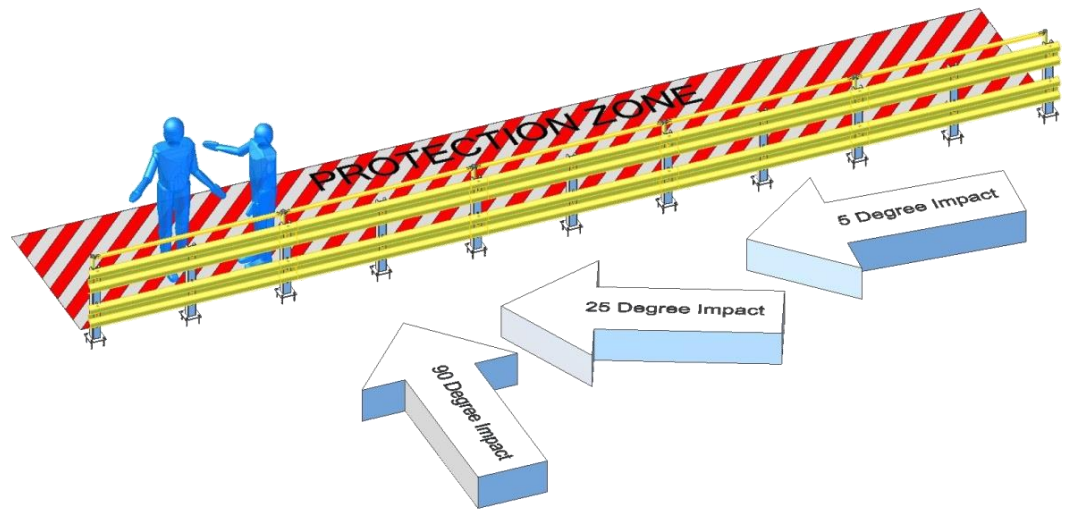
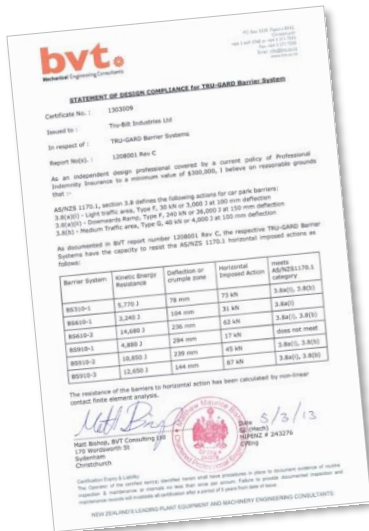
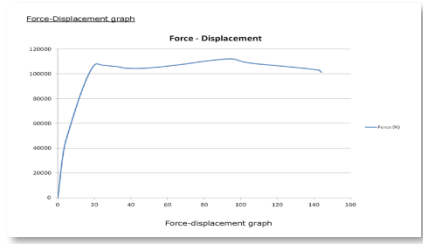
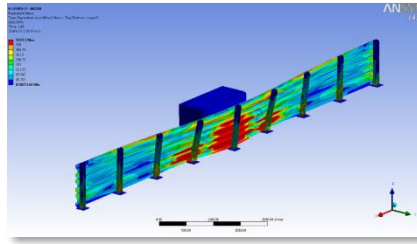
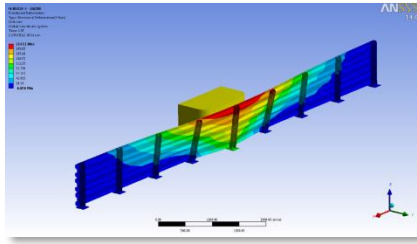
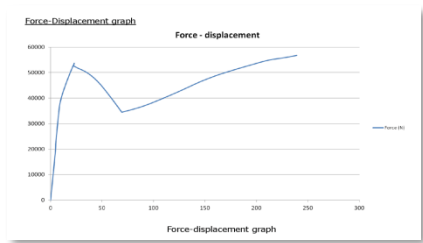
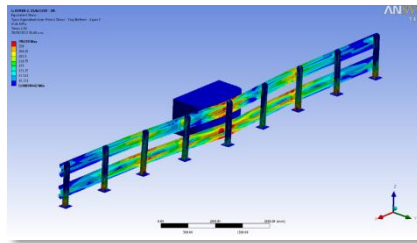
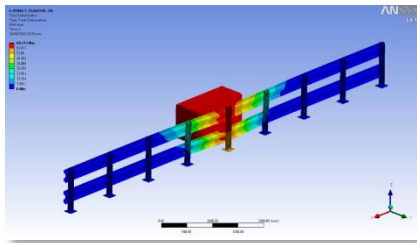
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FEA Impact Analysis

The TRU-GARD™ Barrier System has been extensively engineered with various 3D CAD modelling systems to ensure compliance with AS/NZS 1170.1 SECTION 3.8. This includes analysis with FEA (Finite Element Analysis) which is a method for calculating stress in a structure when a force is applied. This has resulted in the TRU-GARD™ system being engineered for optimum performance in the event of a serious impact.



Configuration	Vehicle Mass	90° Impact	25° Impact	5° Impact
1 (310-1)	7T/15,400lbs	4.6kmh/2.9mph	7.1kmh/4.4mph	15.7kmh/9.8mph
2 (610-1)	7T/15,400lbs	3.5kmh/2.2mph	5.3kmh/3.3mph	11.7kmh/7.3mph
3 (610-2)	7T/15,400lbs	7.4kmh/4.6mph	11.3kmh/7.0mph	25.0kmh/15.5mph
4 (910-1)	7T/15,400lbs	4.3kmh/2.7mph	6.5kmh/4.0mph	14.4kmh/8.9mph
5 (910-2)	7T/15,400lbs	6.3kmh/3.9mph	9.8kmh/6.1mph	21.5kmh/13.4mph
6 (910-3)	7T/15,400lbs	7.4kmh/4.6mph	11.4kmh/7.08mph	25.0kmh/15.5mph
7 (910-3E)	23T/50,700lbs	7.5kmh/4.7mph	11.5kmh/7.15mph	25.3kmh/15.7mph

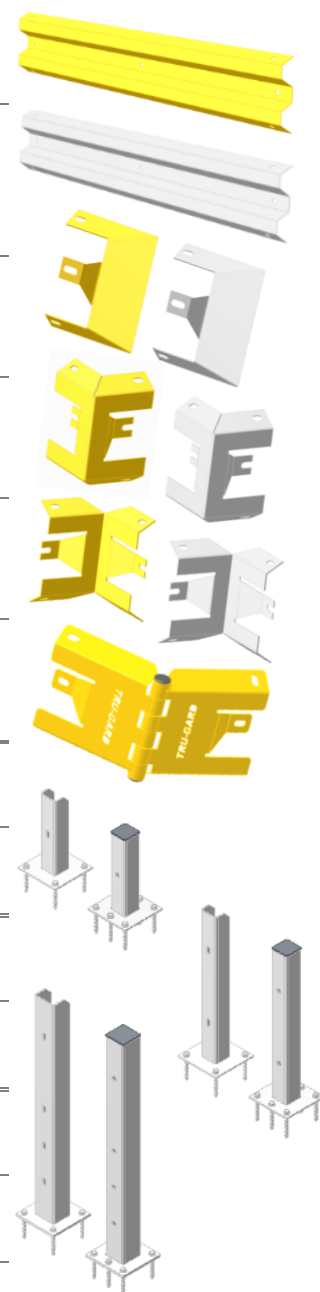
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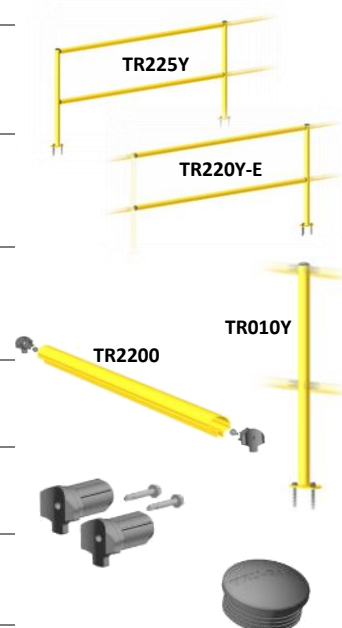
TRU-GARD™ Barrier Components

BR240Y	TRU-GARD™ Barrier - Safety Yellow - 2400mm x 295mm (2.2m cover), Includes 4 FREE barrier bolts
GBR120Y	- 1200mm x 295mm (1.0m cover), Includes 4 FREE barrier bolts Also available: BR240G or GBR120G (Galv), BR240GY or GBR120GY (Yellow over Galv)
BE295Y	End Cap - Safety Yellow - Adds 110mm to barrier length, Includes 2 FREE barrier bolts Also available: BE295G (Galvanised), BE295GY (Safety Yellow over Galv)
BC090Y	External Corner, 90° - Safety Yellow - Includes 4 FREE barrier bolts Also available: BC090G (Galvanised), BC090GY (Safety Yellow over Galv)
IC090Y	Internal Corner, 90° - Safety Yellow - Includes 4 FREE barrier bolts Also available: IC090G (Galvanised), IC090GY (Safety Yellow over Galv)
MC180Y	Multi Corner - Safety Yellow - Suits any angle from +90° to -90°, Includes 4 FREE barrier bolts Also available: MC180G (Galvanised), MC180GY (Safety Yellow over Galv)
BS310	Single Support Post - Galvanised, 310mmH - Includes 4 x M10x100mm Screwbolts
BS310-E	Single Support End Post - Galvanised, 310mmH - Includes 1 x M16x120 BNW & Plastic Cap, Includes 6 x M10x100mm Screwbolts
BS610	Double Support Post - Galvanised, 610mmH - Includes 4 x M10x100mm Screwbolts
BS610-E	Double Support End Post - Galvanised, 610mmH - Includes 2 x M16x120 BNW & Plastic Cap, Includes 6 x M10x100mm Screwbolts
BS910	Triple Support Post - Galvanised, 910mmH - Includes 4 x M10x100mm Screwbolts
BS910-E	Triple Support End Post - Galvanised, 910mmH - Includes 3 x M16x120 BNW & Plastic Cap, Includes 6 x M10x100mm Screwbolts



TRU-RAIL™ Components

TR225Y	TRU-RAIL™ Personnel Frame - 1000mmH x 2250mmL - Safety Yellow finish, internal use only, Includes 6 x Screw Anchors Also available: TR225GY (Safety Yellow over Galv/Alloy finish)
TR220Y-E	TRU-RAIL™ Personnel Frame Extension - Adds 2200mm to the TR225 Frame - Safety Yellow finish, internal use only, Includes 3 x Screw Anchors Also available: TR220GY-E (Safety Yellow over Galv/Alloy finish)
TR010Y	TRU-RAIL™ Standard Post, 1000mm high - To mount rail at 1000mm from floor - Safety Yellow finish, internal use only, Includes 3 x Screw Anchors Also available: TR010GY (Safety Yellow over Galv finish)
TR2200	TRU-RAIL™ Handrail, 2140mm long - Suits posts spaced at 2200mm centres - Safety Yellow over Alloy finish, TR001 Socket and Screw set included
TR001	TRU-RAIL™ Socket & Screw Set - To fit TR2200 to 48mm post - Black plastic finish, Two Sockets and two screws included
TR002	TRU-GARD™ Round Cap - To fit 48mm post, Black plastic finish



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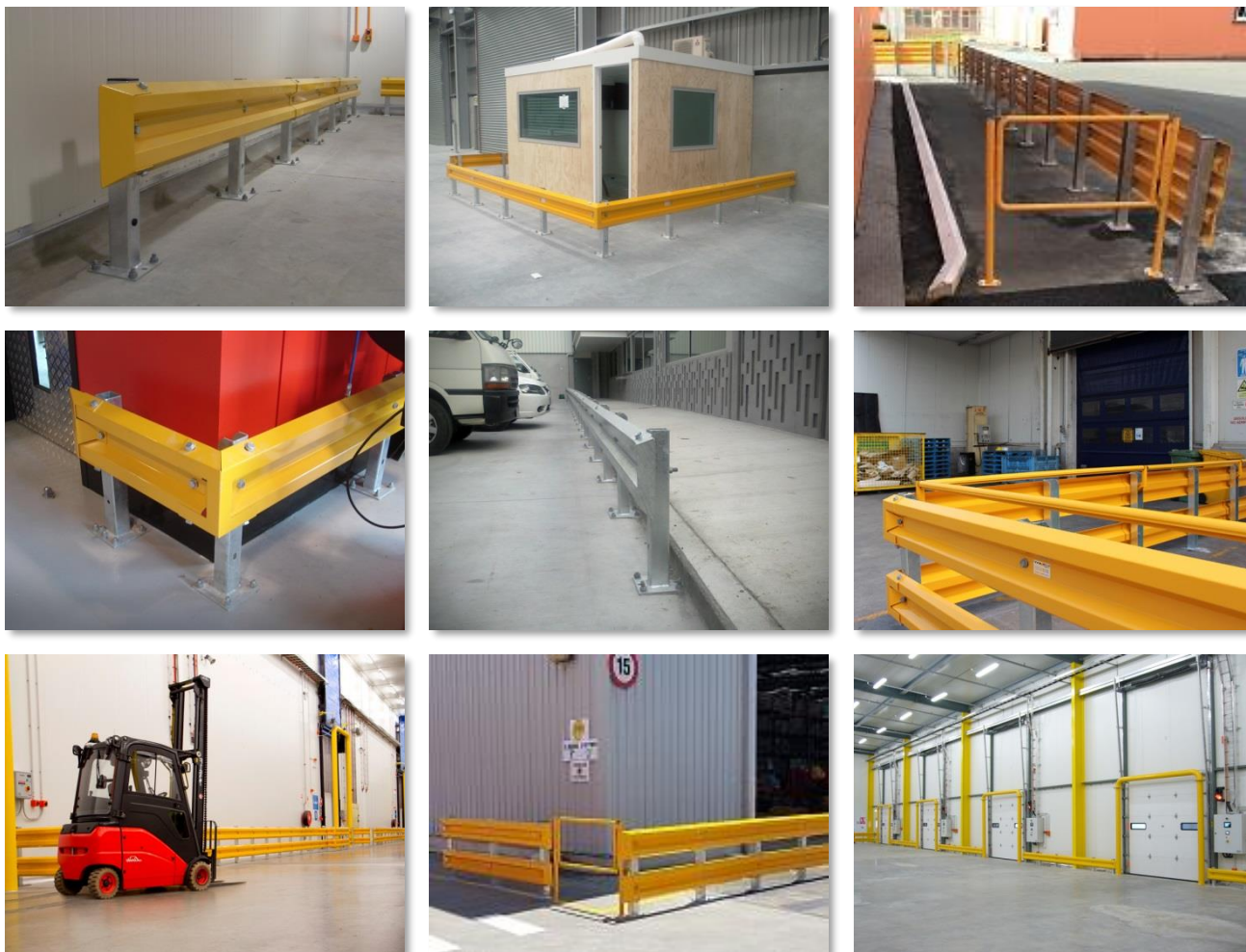
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TRU-RAIL™ Components *continued...*

TR610	TRU-RAIL™ to BS610 Bracket - To mount rail at 1000mm high off a BS610 post, Safety Yellow over Galv Finish
TR610-E	TRU-RAIL™ to BS610-E Bracket - To mount rail at 1000mm high off a BS610-E post, Safety Yellow over Galv Finish
TR910	TRU-RAIL™ to BS910 Bracket - To mount rail at 1000mm high off a BS910 post, Safety Yellow over Galv Finish
TR910-E	TRU-RAIL™ to BS910-E Bracket - To mount rail at 1000mm high off a BS910-E post, Safety Yellow over Galv Finish
TRG1100Y	Personnel Gate - 1010mmW x 560mmH with auto close hinges - Safety Yellow, internal use only, mounts to two TR010Y posts (not included) at 1100mm centers Also available: TRG1100G (Galvanised), TRG1100GY (Safety Yellow over Galv)



TRU-GARD™ Barrier Projects by TRU-BILT Industries Ltd



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