

# TRU-GARD™ Certified Safety Bollards

## Description

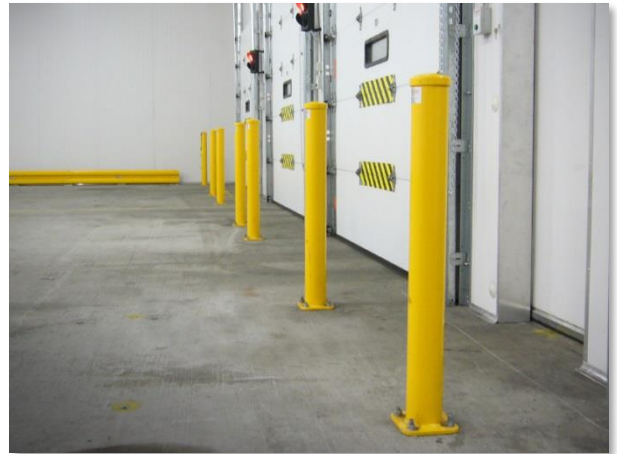
TRU-GARD™ Certified Safety Bollards

## Webpage

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

## Product Information

Protect your investment – guard against impacts, collisions and the need for expensive repairs with TRU-GARD™ Certified Safety Bollards. Easy to install in doorways, parking bays and anywhere traffic damage is a risk. TRU-GARD™ Certified Safety Bollards come in a range of sizes, widths and colours to suit all conditions, and with all fixings supplied. Whether galvanised, hi-vis yellow or corporate colours, full-frame door bollards or regular waist-height size, TRU-GARD™ Certified Safety Bollards are a simple, economic solution to saving your assets from unnecessary damage.

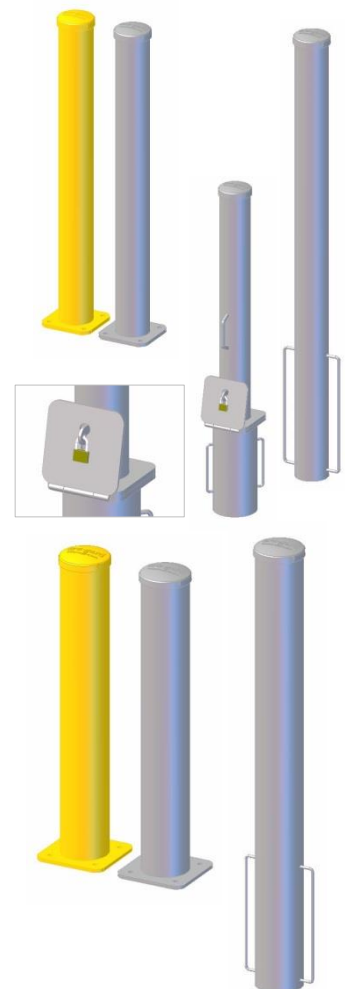


## Technical Specification

- ✓ Available in Safety Yellow or Hot Dip Galvanised finish.
- ✓ In stock for immediate dispatch.
- ✓ Fixing bolts included with every bollard where required.
- ✓ Made in New Zealand for high quality.
- ✓ Individually packaged for ultimate transport protection.

## Safety Bollards

SB115Y	Standard Yellow Bollard ( <b>SB115Y for internal use only</b> ) - Safety Yellow, 115mmØ x 1100mm high - Includes 4 X M12x150mm Screwbolts  Also available: SB115G (Galvanised), SB115GY (Safety Yellow over Galv)
CB115G	Standard Cast-In Bollard - Hot Dip Galvanised - 115mmØ x 1630mm long
RB115G	Removable Bollard - 115mmØ x 950mm high, base 350mm deep - Hot Dip Galvanised, Removable and lockable
LB165Y	Large Yellow Bollard ( <b>LB165Y for internal use only</b> ) - Safety Yellow, 165mmØ x 1100mm high - Includes 4 X M12x150mm Screwbolts  Also available: LB165G (Galvanised), LB165GY (Safety Yellow over Galv)
CB165G	Large Cast-In Bollard - Hot Dip Galvanised - 165mmØ x 1630mm long

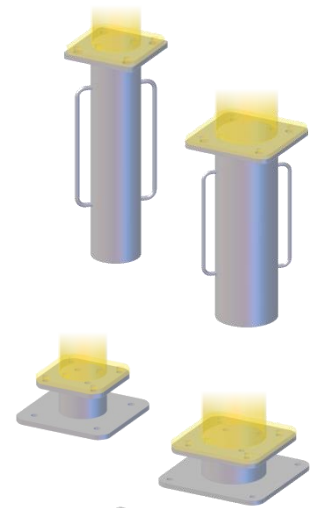


Need more information? Contact us today – NZ 0800-144-999, AU 1800-144-888 or visit [www.tru-bilt.co.nz](http://www.tru-bilt.co.nz)



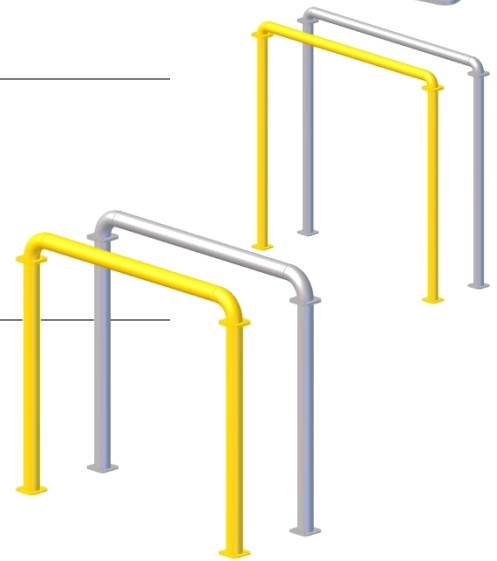
## Bollard Ground Mounts

SB115-GM	Standard Bollard Ground Mount - Hot Dip Galvanised, 115mmØ x 550mm high - Includes 4 X M12X60 bolts
LB165-GM	Large Bollard Ground Mount - Hot Dip Galvanised, 165mmØ x 550mm high - Includes 4 X M12X60 bolts
SB115-BA	Break Away Ground Mount for Standard Bollard - Hot Dip Galvanised, 115mmØ x 100mm high, 250mm x 250mm square - Includes 4 X M12x150mm Screwbolts and 4 X shear bolts
LB165-BA	Break Away Ground Mount for Large Bollard - Hot Dip Galvanised, 165mmØ x 100mm high, 300mm x 300mm square - Includes 4 X M12x150mm Screwbolts and 4 X shear bolts



## Door Frame Bollards

DF115Y	115mmØ Door Frame Bollard (DF115Y for internal use only) - Safety Yellow finish - Internal use only - 8 x 12mm x 150mm Galvanised Screw Bolts  Also available for external use: DF115G (Galvanised) DF115GY (Safety Yellow over Galv)
DF165Y	165mmØ Door Frame Bollard (DF165Y for internal use only) - Safety Yellow finish - Internal use only - 8 x 12mm x 150mm Galvanised Screw Bolts Also available for external use: DF165G (Galvanised) DF165GY (Safety Yellow over Galv)



### TRU-GARD Bollard Testing and Rating

TRU-BILT Industries Ltd has engaged third party independent consulting engineers to test the TRU-GARD Bollard Range in both the 115mmØ and the 165mmØ. The testing was done to the following standard:

- AS/NZS 1170.1 2002
- Car Parks, Clause 3.8
- 30kN (3000kg) impact at a height of 0.5m above ground level
- 12mm x 150mm Screw Bolts grade 8.8 for bolt down bollards
- Foundation for cast in bollards, a pile foundation of at least 1.1m depth and 250mm diameter is required

Bollard Code	Size	Description	Rating
SB115 Y/G/GY	115mmØ x 1100mm Tall	Standard bolt down bollard	Pass
RB115 G/GY	115mmØ x 950mm Tall	Standard removable bollard	18kN Rated
CB115 G/GY	115mmØ x 1630mm Tall	Standard cast in bollard	Pass
SB115GM	115mmØ x 550mm Tall	Standard bollard ground mount	Pass
LB165 Y/G/GY	165mmØ x 1100mm Tall	Large bolt down bollard	Pass
CB165 G/GY	165mmØ x 110mm Tall	Large cast in bollard	Pass
LB165 GM	165mmØ x 550mm Tall	Large bollard ground mount	Pass

\* Bollards on Breakaway Mounts not included in testing.

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