SLOW STOP BOLLARD

SLOWSTOP GUARDING SYSTEMS LLC

www.slowstop.eu

The strongest all steel rebounding bollard to protect your most valuable assets

Extreme high-impact reboundable bollard system

Absorbs impacts from vehicles up to 40 000 kg

Remains intact after collision

REBOUNDING BOLLARD

Our SlowStop rebounding steel bollards are the strongest surface mounted bollards available. They have sucessfully been used in commercial locations, industrial environments, logistical sites, and traffic control situations. Their strength rivals that of traditional embedded bollards with lower costs and less hassle.

SlowStop Type 1 Bollard

Max stopping power:
3240 Joule

- Light duty
- Forklifts weighing 3 tonnes at max speed 5,3 kph
- Door, corner, and equipment protection
- Parking facilities

SlowStop Type 2 Bollard

Max stopping power:
5334 Joule

- Medium duty
- Lorries and forklifts weighing 5 tonnes driving at 5,3 khp
- Interior dock door, corner, and equipment protection
- Parking facilities

SlowStop Type 2.5 Bollard

Max stopping power:
14000 Joule

- Heavy duty
- Trucks and forklifts weighing 10 tonnes driving at 6,0 khp
- Fuel, gas and utility protection
- Parking facilities
- Equipment and storage rack protection
- NOT for hostile vehicle protection

SlowStop Type 3 Bollard

Max stopping power:
25800 Joule

- Ultra heavy duty
- Trucks and forklifts weighing 20 tonnes driving at 5,8 khp
- Fuel, gas and utility protection
- Exterior loading dock and warehouse ramps

HORSESHOE FENCE

SlowStop Type 1 Horseshoe

Max stopping power:
9164 Joule
Impact at 45°

- Light duty
- Forklifts weighing 5 tonnes at max speed 7 kph
- Acces denial
- Pedestrian safety

SlowStop Type 2 Double Horseshoe

Max stopping power:
15087 Joule
Impact at 45°

- Medium duty
- Forklifts weighing 15 tonnes at max speed 5 kph
- Equipment and storage rack protection
- Pedestrian safety

SlowStop Type 2 Horseshoe

Max stopping power:
15087 Joule
Impact at 45°

- Heavy duty
- Forklifts weighing 15 tonnes at max speed 5 kph
- Equipment and storage rack protection
- Exterior loading dock and warehouse ramps

SlowStop T ype 3 Horseshoe

Max stopping power:
72973 Joule
Impact at 45°

- Ultra heavy duty
- Forklifts weighing 40 tonnes at max speed 6,9 kph
- Fuel, gas, and utility protection
- Exterior loading dock and warehouse ramps

SLOWSTOP® RACK END PROTECTORS

SlowStop Type 1

Max stopping power:
7350 Joule

Impact at 45°

- Light duty
- Forklifts weighing 5 tonnes driving at 6,2 khp
- Equipment and storage rack protection
- Warehousing and manufacturing facilities

SlowStop Type 2

Max stopping power:
11734 Joule

Impact at 45°

- Heavy duty
- Forklifts weighing 15 tonnes driving at 4,5 khp
- Equipment and storage rack protection
- Warehousing and manufacturing facilities

FLEXIBLE POLYCARBONATE GUARDRAIL

The SlowStop FlexRail Polycarbonate Guardrail attaches to SlowStop bollards to create virtually unbreakable barriers. The flexible material can withstand 22021Joule of force without any permanent deflection and will return to its original shape after impact. The FlexRail is recessed to allow overlapping of multiple lengths.

End caps attach to standard 4m sections of SlowStop FlexRail to provide an end impact zone.

Can be used with Type 1, 2, 2.5, or 3 Bollards

- Medium heavy duty
- Forklifts and lorries weighing 20 tonnes at max speed of 6,4 kph or more as configured
- Warehousing, manufacturing and parking facilities
- Pedestrian segregation from dangerous traffic

SLOWSTOP COLUMN PROTECTORS

SlowStop column protectors utilize our patented rebounding guarding technology to combine four bollards into a complete barrier that protects critical columns from potential catastrophic failure. Compared to plastic alternatives that directly wrap onto the column itself, our all steel construction barrier stands away from column, allowing for greater strength and durability, while eliminating any impact to the building structure.

SlowStop Type 2 IronFlex Corner Protection

Max stopping power:
15087 Joule

- Lorries and forklifts weighing 15 tonnes at max speed of 5 kph

Impact at 45°

SlowStop Type 2 IronFlex Three Sided Column Protector

Max stopping power:
15087 Joule

- Lorries and forklifts weighing 15 tonnes at max speed of 5 kph

Impact at 45°

SlowStop IronFlex Column Protector

Max stopping power:
- Type 1: 18328 Joule
- Type 2: 30174 Joule
- Type 2.5: 79196 Joule
- Type 3: 145947 Joule

Impact at 45°

SlowStop Benefits

- **Forgiving Protection**
  Slowstop protects your buildings, machinery, roll up doors and electrical equipment time after time thanks to an everlasting energy absorbing elastomer, a tough nodular cast iron base and upright pipe with a strong steel wall.

- **Reduced Damage & Increased Personnel safety**
  Damage is reduced to both the vehicle and the bollard during impact when compared to a rigid bollard. Forklift loads are less likely to be lost during an accidental collision. The floor will stay intact as anchors will not be dislodged. Vehicle occupants are less likely to be injured as peak impact forces are lessened.

- **Slowstop = a Proven System**
  Slowstop was full scale tested at the official TÜV Rheinland TNO test laboratory and is proven through a + 25 000 units installation base worldwide.

- **Easy Installation & Instantly Operational**
  Installation of our standard bollards require only common tools and takes about 15 minutes each to install. There are no waiting periods. Our guards are immediately ready to use.

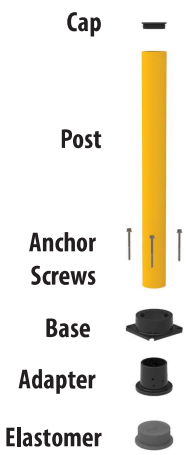
- **Modular System**
  Fencing and complex barriers can be created to your exact size requirements from slide-together connectors without the need for welding. With double sided guardrails and type 2.5 and type 3 bollards we can create unequalled barriers up to 120 000 Joule.

- **2 Year product Warranty**
  Our Slowstop product line is backed by a 2 year warranty. See warranty for details.

www.SlowStop.eu

How Does SlowStop Work?

During a collision, the kinetic energy of the impact is absorbed by an elastomer hidden in the base of the vertical post. The post is able to tilt approximately 20° as it progressively absorbs energy, softening the impact. After the impact, the post returns upright, leaving your guard intact and ready to perform again.



SlowStop History

The SlowStop bollard was invented in Belgium in 2010. Manufacturing takes place in Europe as well as the US. Slowstop products are available through a wide network of authorized distributors. Each distributor, trained by us, is an expert in the field with extensive experience. He has in-depth knowledge of best safety practices and can provide you reliable advise, everlasting products, professional installation and fast delivery.

Your distributor

Omega Alfa soluzioni integrate S.r.l.
An innovative company
Via Vincenzo Monti 15
21023 Milano MI
+39 347 083 7887
info@omegaalfasrl.com
www.omegaalfasrl.com

SlowStop EU Export Office
Geert Wolters
Klappijstraat 112
B-3294 Molenstede (BELGIUM)
+ 32 495 566 426
info@slowstop.eu

SlowStop EU Warehouse
Molenstraat 24
B-3220 Sint-Pieters-Rode
BELGIUM

SlowStop Guarding Systems, LLC has been extensively tested by TÜV Rheinland TNO and is proven through a large installatio base.
ISO 900: 2015 Certified. EP 2 267 22B B1 / 2888 412 B1. Catalog Version 2.0 April 2019. www.slowstop.eu