



Perma Tech, Inc.

"Your Single Source for ALL Your Loading Dock Needs"

Guarding Systems

While the occasional forklift bump is inevitable in a busy warehouse, when it comes to people, structural elements of buildings, racks and assets, the only acceptable level of impact is ZERO. The best guarding strategy in danger zones, is to block the sensitive area with warehouse tested bollards, railings and guards.



A Loaded Forklift Truck Can Weigh in at 7 Tons or More. You Can't Just Cushion That Blow.

While attaching a shock-absorbing cushion to warehouse racks or structural building columns, is an available guarding strategy, the risk of devastating rack collapse or supporting column failure is significant with that kind of force in play. Perma Tech™ guarding solutions block sensitive areas to protect against the chance of impact.



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The Guarding Team

OUR ALL-DEFENSIVE GUARDING TEAM.

Not one, but two, guarding product line ups combine to offer all-around protection for columns, racks, pedestrian zones and any at-risk areas in your facility.



Perma Tech Strength and...more strength.

WAREHOUSE WORKHORSE.

Perma Tech guarding systems are engineered to deliver strong protection. All guarding products are bright, safety yellow to help prevent an impact from happening and they're warehouse tough to protect people, equipment and assets should a bump occur.

Perma Tech. Strength and...more strength.

- Railings, Bollards, Column Guards and Rack Guards
- Protect all at-risk areas in your facility
- Safety first for people, places and things



SlowStop® Guarding First it Gives. Then it Takes.

Revolutionary SlowStop® Bollards and Railings are so smart, they even protect themselves.

SlowStop® Rebounding Bollards and Flexible Polycarbonate Rail Systems offer an ingenious solution to warehouse vehicle mishaps. Not only do our guarding solutions absorb impact, to protect people and assets, they also offer a softer landing saving warehouse vehicles. AND they look out for themselves, as they are engineered to bounce back, good as new, rarely needing replacement and avoiding costly concrete repairs, common with other guarding options.

First it gives. Then it takes.

- Patented, impact absorbing bollards and rails
- Protect assets, structures and forklifts
- Prevent COSTLY concrete damage
- Bollards absorb and deflect ... over and over



When impacted, fixed bollards and guards can cause severe and costly damage to the concrete in which they're anchored. Engineered to absorb impact, **SLOWSTOP® bollards and guardrails don't transfer stress to their anchors. They just bounce back.**

Guardrails



GUARDRAIL SYSTEMS

Protect pedestrian walkways, expensive equipment, volatile or at-risk areas and more.

FLEXIBLE RAILS. REBOUNDING POSTS.

A breakthrough (in preventing breakthroughs), the SlowStop® Polycarbonate Guardrail System combines a flexible rail with rebounding posts to absorb and deflect impact while minimizing damage to both guardrail and forklift.

THE SIMPLE SYSTEM is easy to install and will offer protection for years.

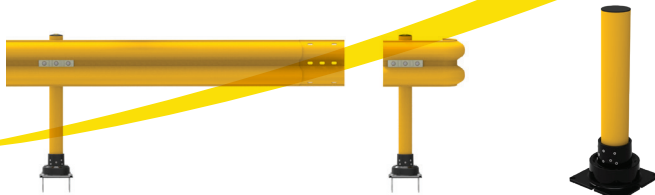
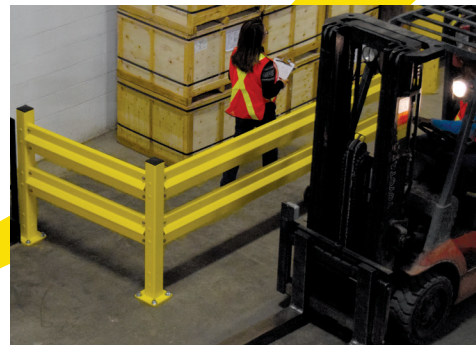
- Can be fashioned with 4" (102mm) or 6" (152mm) rebounding steel bollard posts
- 13 ft. (4M) railing lengths can be cut to measure
- Easy to attach end rail caps
- Can withstand repeated impacts without need for repair or replacement
- Removable black cap on posts

ALWAYS ON GUARD.

Protect pedestrians, equipment and investments with our strong, steel guardrail system. Anchored in concrete and built from ASTM-A36 structural steel, these life-savers serve and protect!

STANDARDIZED COMPONENTS make the system versatile and easy to install.

- Available in 15" (381mm), 30" (762mm), and 44" (1118mm) post heights
- Based on height 1, 2 or 3 railings can be accommodated
- Bright visual presence reduces chance of accident
- Removable black cap on posts



Bollards



BOLLARD PROTECTION

Always On Guard

SLOWSTOP® BOLLARDS WITH BOUNCE.

Revolutionary, impactable steel construction, in combination with our rebounding elastomer base, puts an end to the headache of constantly repairing and replacing bollards. These impact-absorbing warehouse safety champs protect assets, equipment, forklifts and more.

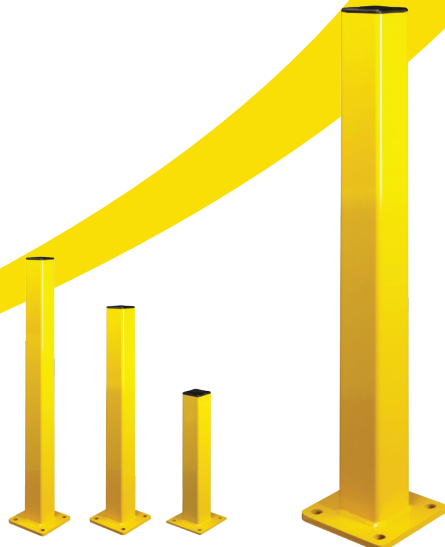
- Top of the line bollard protection
- Strong steel column attached to patented elastomer base
- Strong visual deterrent
- 4" (102mm) and 6" (152mm) diameters
- Can withstand repeated impacts without need for repair or replacement
- Removable black cap
- Easy install with included installation kit

SlowStop's 6" Bollard can withstand the impact of a 15,000 lb forklift travelling at 4.4 mph.

STRENGTH. IN THREE SIZES.

Prevent damage to valuable machinery and equipment in forklift traffic areas. Perma Tech Bollards offer affordable, strong-as-steel protection. Anchored to the warehouse concrete slab, our bollards deliver asset-saving stopping power.

- Solid steel construction
- 24" (610mm), 36" (914mm) and 48" (1219mm) sizes
- High-visibility safety yellow
- 4"x 4" x 1/4" (102 x 102 x 6.4mm) thick upright welded to a 8" x 8" x 3/8" (203 x 203 x 9.5mm) base-plate
- Removable black cap
- Fill with concrete for extra strength



Column Guards



KEEPING A ROOF OVER YOUR HEAD

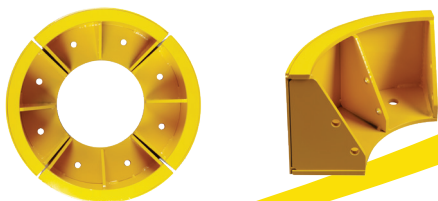
Block potentially devastating impact.

RING AROUND THE COLUMN.

Providing 360° protection from accidental impact with building supports, our column guards offer a simple solution to a serious risk.

Perma Tech Column Guards prevent impact while reversing AND accidental fork impact as the guards rise above the recommended travel height of forks for moving forklifts.

Built in quarter sections to allow for easy adjustment around column obstructions or for locations needing less than 360° protection.



SLOWSTOP® BOLLARDS WITH BOUNCE.

Revolutionary, impactable steel construction, combined with our rebounding elastomer base, provides strong column protection. Our impact-absorbing bollards helping to prevent impact with supporting columns avoiding potentially devastating consequences.

- Top of the line bollard protection
- Strong steel column attached to patented elastomer base
- Strong visual deterrent
- 4" (102mm) and 6" (152mm) diameters
- Protects column, forklift and concrete base
- Easy install with included installation kit

SlowStop's 6" Bollard can withstand the impact of a 15,000 lb forklift travelling at 4.4 mph.



PERMA Tech™ SAFETY SOLUTIONS FOR OSHA REGULATIONS

Examples of possible solutions to satisfy OSHA regulations. Each situation should be professionally evaluated for relevance. (based on publicly listed regulations as of 2018-04-19)

1910.212(a)(1) Types of guarding. One or more methods of machine guarding shall be provided to protect the operator and other employees in the machine area from hazards such as those created by point of operation, ingoing nip points, rotating parts, flying chips and sparks. Examples of guarding methods are-barrier guards, two-hand tripping devices, electronic safety devices, etc. Perma Tech™ Guarding Systems: <https://PermaTechsafety.com/guarding/>

Racking Guards



MORE THAN AN OUNCE OF PREVENTION

Prevent devastating accidents with smart, strong prevention.

ULTIMATE RACKING PROTECTION. WHEN THERE'S NO MARGIN FOR ERROR.

The consequences of a forklift-rack impact can be severe. Prevent racking collapse, potential injury and inventory loss with a structural steel solution that offers all around protection.

Perma Tech Racking Guards prevent reversing impact AND accidental fork contact with uprights or angle members of racking at the most critical load-supporting levels.

- Available for Standard and Heavy-Duty environments
- Protects uprights AND angle racking members
- Bright visual presence reduces chance of accident
- Simple installation

HEAVY DUTY RACKING GUARDS AVAILABLE IN STANDARD AND SLIM WIDTHS TO SUIT A VARIETY OF RACK STYLES.

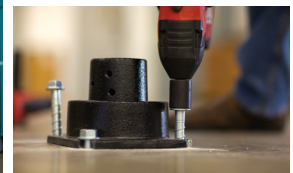
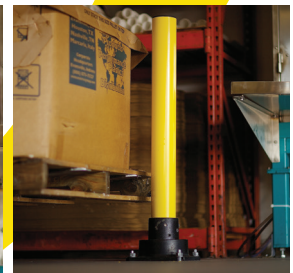
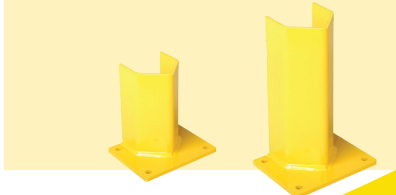
REBOUNDED BOLLARD RACKING GUARD.

Revolutionary, impactable steel construction, in combination with our rebounding elastomer base, puts an end to the headache of constantly repairing and replacing bollards. Our impact-absorbing bollards help prevent impact with racking avoiding potentially devastating racking failure.

- Top of the line bollard protection
- Strong steel column attached to patented elastomer base
- Strong visual deterrent
- 4" (102mm) and 6" (152mm) diameters
- Protects racking, forklift and concrete base
- Easy install with included installation kit



MEDIUM DUTY RACKING GUARDS ARE AVAILABLE IN 8" (203 MM) AND 16" (406 MM) HEIGHTS.



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