



**MaxiForce Traffic Control Collapsible Bollards** are a cost effective and flexible barrier solution that allows you to control, re-route or grant quick access to suit traffic flow requirements. The bollards offer patented technology that enables the bollards to be collapsed for vehicle passage and then quickly and easily reset. These collapsible bollards also contain a unique breakaway feature allowing emergency vehicles to penetrate the passage or roadway without exiting their vehicle. The bollard units may then be repaired with simple replacement inserts without the need for a total bollard replacement.

- Features:**
- ∴ FOLDS TO 3-9/16" HIGH ABOVE ROAD SURFACE
  - ∴ UNLOCKS AND FOLDS DOWN QUICKLY
  - ∴ FOLDS UP AND RE-LOCKS RAPIDLY
  - ∴ BREAKAWAY FEATURE ENSURES EASY REPAIR
- ∴ BREAKAWAY FEATURE ALLOWS EMERGENCY ACCESS
  - ∴ THREE BASE TYPES FOR VERSATILE INSTALLATION
  - ∴ ACCEPTS THREE DIFFERENT HEAD STYLES
  - ∴ AVAILABLE IN OVER 80 COLORS & FINISHES

## OPERATION

### Standard Hydrant-Wrench Operated Bollard



Ideal for locations requiring traffic control while allowing designated vehicles to quickly pass with the use of a fire hydrant wrench. The standard hydrant nut is a 5-sided AWWA nut. (Other nut styles available.)

### Standard Padlock Operated Bollard



Ideal for designated locations where traffic control is required and only authorized vehicles and personnel with the appropriate key may unlock the bollard and pass through.

## HEAD STYLES

The MaxiForce line of bollards has several style options, including the choice of head styles to top the bollard bodies. All three bollard heads are removable and interchangeable. All heads attach to the body with two screws.



SS1

SS2

SS3

## BASE TYPES

MaxiForce Collapsible Bollards have three base options to fit installation requirements. Collapsible bollard operation is not affected by the choice of base type.



EZ

Universal

Simple

## USES

- ∴ Office Buildings
  - ∴ School Grounds
  - ∴ Parking Areas
  - ∴ College Campuses
  - ∴ Military Installations
- ∴ Playgrounds & Parks
  - ∴ Malls and Shopping Centers
  - ∴ Residential Subdivisions
  - ∴ Ball Parks and Stadiums
  - ∴ Apartment Complexes
- ∴ Biking Trails
  - ∴ Pedestrian Walkways
  - ∴ City Downtown Areas
  - ∴ Playgrounds
  - ∴ Government Facilities

**To learn more about these products visit [www.maxiforcebollards.com](http://www.maxiforcebollards.com)**

**MaxiForce Traffic Control Collapsible Bollards'** patented breakaway insert is a distinctive feature that allows emergency and safety personnel immediate access beyond the bollard without leaving the vehicle, saving valuable response time. This patented breakaway feature is on all collapsible bollards, regardless of the operation. It is easy to change from one insert to the other to meet your current needs.

- Features:**
- ⋯ ALLOWS FOR EMERGENCY ACCESS
  - ⋯ BOLLARD CAN BE PUT BACK INTO SERVICE QUICKLY
  - ⋯ EASILY REPLACABLE INSERTS
  - ⋯ INSERTS AVAILABLE IN FOUR VERSIONS TO FIT YOUR NEED

### OPERATION

The breakaway safety feature works by allowing the unit to "break away" from the base unit permitting access without using the wrench operation or removing the padlock. Two unique inserts are designed to shear when pushed by a vehicle. This give the vehicle access without causing significant damage to the bollard or vehicle. The feature ensures there will never be a time when emergency personnel cannot access protected or blocked areas. By replacing the inexpensive inserts, the bollard can be placed back into service quickly by use of a standard allen wrench.

**Figure 1** - Bollard unit in collapsed position. The pivot block attaches to the base plate using two bolts placed in from the top of the pivot block.

**Figure 2** - Pivot Block. Two bolts on either side of the block attach the body to the pivot block on which the body rotates when collapsing. These are the only bolts required to mount a unit on the base and the only ones required to remount if the unit is sheared off due to the breakaway feature.

**Figure 3** - The pivot block and base top after a unit has been sheared off. The two mounting bolts remain in the base and the pivot block and body (not attached in photo) are laid over. The two inserts (visible in the bottom of the pivot block holes) would be removed and replaced.



### INSERT TYPES

MaxiForce bollard inserts come in four versions – standard, heavy-duty, steel and non-breakaway. These various inserts give you choices to fit your locations operation and particular conditions. All inserts types are available for purchase with the original order and as replacement parts.

Part (Part Number)	Description
<b>Standard Insert (P-145)</b>	Aluminum insert allows the unit to breakaway in lieu of damaging the bollard. It goes in the pivot block and the mounting screws go through the insert, into the base.
<b>Heavy Duty Insert (P-150)</b>	Heavier aluminum insert that allows the unit to breakaway in lieu of damaging the bollard. It goes in the pivot block and the mounting screws go through the insert, into the base. This insert makes it more difficult to breakaway.
<b>Steel Insert (P-151)</b>	This steel insert makes the force required to breakaway the unit more substantial than the two aluminum inserts. It goes in the pivot block and the mounting screws go through them into the base.
<b>Non-Breakaway Insert (P152)</b>	This steel insert removes the breakaway capability and will cause damage to the bollard and vehicle when struck.

To learn more about these products visit [www.maxiforcebollards.com](http://www.maxiforcebollards.com)