

Titan



K12 Certified Electro-Hydraulic Bollard

Boon Edam's electro-hydraulic bollards combine an open, aesthetic appearance with the highest level of perimeter control. The Titan K12 crash test certified bollards provide free movement of pedestrians and are available in a variety of operating sets and arrays. Utilizing the highest cycle duties available, the Titan bollards are an economical and effective way of protecting your access points.

The Titan vehicle bollards consist of retractable tubular columns with full guard height of 38". When retracted, the units are flush with the finished roadway. Maximum spacing between the bollards must equal 32" center to center. Decorative sleeves are available, and construction allows for a

decorative paver covering the concrete foundation. Available with automatic or fixed operation, the bollards offer low operating and maintenance costs and are ideal for securing wide entrances where installing larger systems could become price prohibitive.

*K12 U.S. Department of State Certified: Stops 15,000 lb. vehicle
at 50 mph with maximum penetration of 3 ft.*

Your **Security.** Our **Solution.**

Construction

- The Titan is K12 certified by the U.S. Department of State (DOS).
- Standard DOS crash rating bollard spacing is not to exceed 32 inches.
- Standard configuration with three bollards is shown. Additional bollard configurations are available.
- All steel parts are standard hot dipped galvanized for corrosion protection.
- High visibility yellow paint is standard. Custom specified paint colors are available.
- Construction and installation by others, such as concrete foundation, rebar, roadway surface, conduit, wiring and hydraulic hoses.

Features & Options

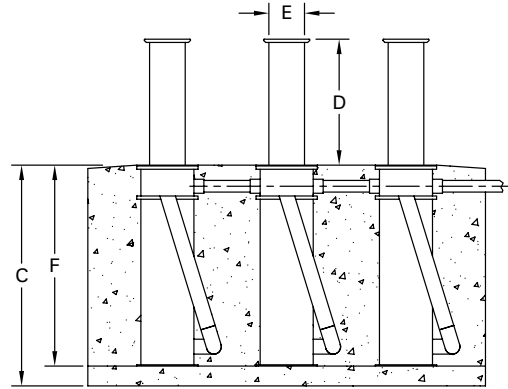
<i>Characteristics</i>	<i>Std</i>	<i>Opt</i>
Manual hand pump	•	
Hot-dipped galvanized	•	
Standard main operator control panel	•	
Custom main operator control panel		•
Remote operator control panel		•
3 HP hydraulic unit	•	
5 HP hydraulic unit		•
10 HP hydraulic unit		•
Barrier-up position sensor	•	
Barrier-down position sensor	•	
Hydraulic oil heater/cooler		•
Emergency Fast Operate (EFO)	•	
Dual channel vehicle detector module		•
Traffic signal lights		•
Weather proof HPU enclosure	•	
Custom painted finish		•
Decorative Sleeve		•
PLC Programming	•	
Battery backup		•
Electrical Power Voltages:		
208-240 Volt AC, 3-Phase, 60 Hertz	•	
115-120 Volt AC, Single-Phase		•
208-240 Volt AC, Single Phase		•
380 Volt AC, 3-Phase		•
440-480 Volt AC, 3-Phase		•

Dimensions

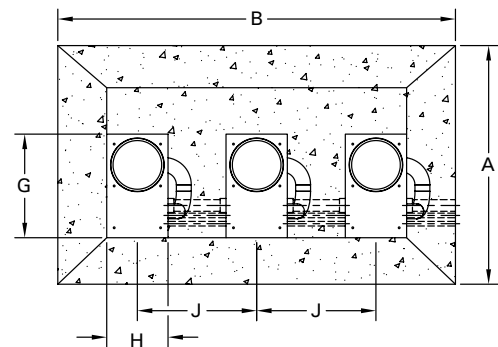
NOMINAL DIMENSIONS (INCHES)

<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>	<i>G</i>	<i>H</i>	<i>J</i>
72	120	67	38	11	61	31	19	<32

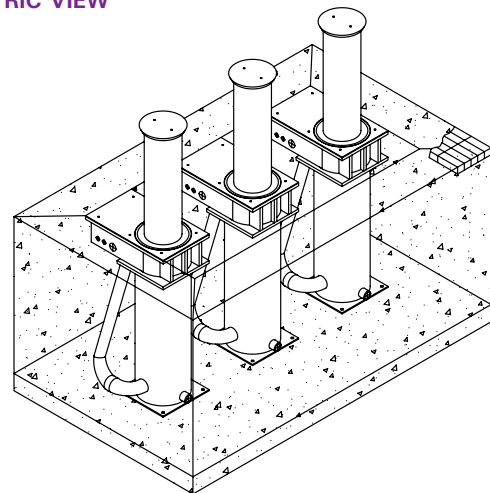
ELEVATION VIEW



PLAN VIEW



ISOMETRIC VIEW



TBA-0107

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