

# PRODUCT SPECIFICATIONS

## **Set & Pour Bollard (Model SPB-1200) Stops 15,000 lbs. at 50 mph Impact**

1. Crash tested and certified with ASTM F2656-07 M50 P1 rating (K12).
2. Department of Defense (DoD) approved and listed on Anti-Ram Vehicle Barrier List.
3. One single standalone bollard stops 15,000 lb. vehicle at 50 mph within 1.2 meter penetration.
4. 2 + bollard array is ASTM M50 P1 (K12) certified. Vehicle penetration less than 1 meter.
5. Unrestricted bollard spacing (any distance), while maintaining ASTM M50 P1 certification. (fewer bollards results in less costs)
5. Simply set single prefabricated bollard in excavation and pour concrete (no rebar in foundation).
6. No tying, bolting, welding, assembly, or specialty subgrade required.
7. Excavation 48" wide by 36" deep with 4000 psi concrete.
8. Easy to install with turns and across grade elevation changes using standard bollard.
9. Allows for field adjustment.
10. Reduce installation time and cost by about 50%.
11. Bi-directional stopping capability.
12. Removeable bollard configuration is available.
13. Variety of bollard covers are available including stainless steel, plastic, decorative shapes, concrete, lighted covers, and others
14. Drawings, submittals, engineering support, and installation instructions with photos are included.