

## GENERAL VIEW OF FXB-CT



## GENERAL DESCRIPTION

Optima crash-tested fixed bollards are designed for the high-security army, industrial, governmental and commercial buildings, sites, complexes, etc. If there is a threat of vehicle attack, crash-tested fix bollards are one of the best and most secure solutions. Even though the attack is from high tonnage vehicles with high speeds, the vehicle can't keep on moving forward anymore beyond the bollards.

Optima FXB-CT Crash Tested Fixed Bollards are designed for the PAS68: crash rating. Optima bollard is tested by an N3 type truck weighing 7500 kg and traveling at a speed of 80km/hr.

Optima crash-tested bollard destroyed the vehicle and it was still useable after the impact. Therefore Optima crash tested bollards successfully achieved and certified PAS 68 V/7500[N3]/80/90:0.0 zero penetration (This means that M50-P1 "zero penetration" according to American standard).

## FEATURES IN CRASH TESTED FIXED BOLLARD

- Proven by the PAS 68V/7500[N3]/80/90 crash test, suicide vehicle is kept outside the secure side (grade P1, zero penetration).
- No rebar required in the concrete foundation.
- No plywood forms required on sides and bottom while pouring concrete.
- Continuous excavation by a standard excavator. Rectangular excavation. No special circular excavation.
- No detailed calculations to determine the place of excavations.
- Economical and practical civil works.
- Optima FXB-CT Bollards are hot-dip galvanized and three layers primer and epoxy painted for corrosion protection.

## OPTIONAL ACCESSORIES

- Different color options.
- Flashing light on top of bollard.
- Decorative top flanges.
- Stop sign with mounting pedestal.

## MAIN BODY FOUNDATION DIMENSIONS

