

HBD STATIC BOLLARD TECHNICAL SPECIFICATIONS



Bollard Type : Anti-terror/high security, fixed/static type.

Impact Resistance : Crash tested and certified according to ASTM 2656-15 M50 (K-12) standard (HBD 275 S 100 model only).

Underground Structure : **Bollard Anchorage**

High resistant bollard anchorage, containing 700 x 700 mm anchorage plate with 4 vertical anchorage supports welded to the bollard cylinder (impact blocking unit) and having 4 stud bolts/nuts for easy leveling.

Bollard anchorage is strengthened and designed so that no vehicle crashing effect can displace it after installed into the ground.

Above Ground Structure : **Bollard Cylinder (impact blocking unit)**

700 - 1000 mm high from the ground, Ø270 and 324mm hot-dip galvanised steel, colored with electrostatic powder coating in RAL9006 as standard (other RAL colors are optionally available).

Furnished with red, white or yellow reflecting strips compliant to "E" standard.

Optional Features and Accessories : Demountable bollard top plate with 360° visible red flashing LED indicators, stainless steel bollard post sleeve, different color options, different product dimensions.

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Installation

: With 4 bolts for easy leveling and using C30 grade concrete and steel rebar reinforcement.

Ground leveling and preparation works shall be done before concrete pouring.
Allowable bearing value of the ground shall be minimum 1/2 kg/cm² .

