



REVROY

Solutions For Controlled Access

MODEL – RR-AHB-CR8-P1

ANTI-TERROR HYDRAULIC BOLLARD

The deployment of an anti-terror crash rated bollard requires careful consideration & Planning and deep understanding of its impact on traffic movement due to enhanced security for facilities with perceived threats. These are dictated by the location, type of facility secured etc.

Therefore, it is today a common practice for hotels, govt. buildings, data centres defence establishments etc., for conducting a detailed Risk-Analysis to study the vulnerability & analyse the threat. A threat analysis report is prepared for setting in place a security plan for any building. It is from this- that a decision to deploy a crash rated bollard system is taken.

Bollards are designed to protect high-target buildings from concerted vehicular attacks.

REVROY presents Asia's leading crash tested bollard, impacted by a fully laden 7.2-ton truck impacting it at 64 km/h in accordance with **IWA 14-1:2013** standard at **HORIBA MIRA, UK**. The test demonstrated dead-end stop of the mangled & destroyed vehicle, post impact with the **REVROY Bollard** passing the product with approval of P1 penetration (Vehicle travel beyond the bollard post impact less than three feet).

Testing the Bollard immediately post impact for its subsequent trouble-free operation demonstrated the success of the test with its flawless functioning.

RR-AHB-CR8-P1 bollard has been manufactured keeping in mind the corrosive nature of tropical climates. All parts of the bollard are galvanised to protect from & prevent corrosion for long trouble free operation even when submerged in water. To give a fine balance between aesthetics and security, all bollards optionally come with an aesthetically pleasing stainless steel sleeve and LED top plate that easily merges with the environment.



SAFETY

Safety is paramount for all the products manufactured by REVROY & the **RR-AHB-CR8-P1** Bollard is no different. Elaborate care has been taken in designing and providing safety by building a Dual-Safety mechanism. Following Sensors are integrated for vehicular & Human Safety:

- ⚙️ Ground Loop Detector for vehicle detection.
- ⚙️ Human Safety is ensured by Infrared Photo Beam Sensors.

CONTROL UNIT

The Program Logic Controller Unit designed can be tailored to address our client's requirement and customized for integration to varied access control systems and logics that may need to be built for effective and efficient operation of the Bollard System.

CRASH RATED BOLLARD MODEL - RR-AHB-CR8-P1	
DESCRIPTION	PARTICULAR
MAKE	REVROY
MODEL NO.	RR-AHB-CR8-P1
DRIVE UNIT	HYDRAULIC
RATED DIAMETER	270 MM / 275 MM (SS SLEEVED)
RATED HEIGHT	1000 MM
CYLINDER MATERIAL	HIGH TENSILE CARBON STEEL
RATING	IWA 14:2013 BOLLARD V/7200 [N2A] /64/90:1
RATED IMPACT LOAD	7.2 TON @ 64 KMPH WITH P1 PENETRATION
RAISING & LOWERING TIME	5-6 SEC. (CUSTOMISABLE)
EMERGENCY FAST OPERATION	2 SEC. (OPTIONAL AND CUSTOMISABLE)
POWER SUPPLY	420 V (AC), 50 Hz
PROTECTION CLASS	IP 68
DUTY CYCLE	100%
OPERATING TEMPERATURE	-20 DEG. CELSIUS TO +65 DEG. CELSIUS
SAFETY ILLUMINATION	RED LED / REFLECTIVE BANDS
FINISH	RAL PAINTED OR SS 304/316 (Optional) SLEEVE
MTBF	5 MILLION
MANUAL LOWERING OPERATIONS	AVAILABLE
SAFETY FOR VEHICLE	LOOP DETECTOR
SAFETY FOR HUMAN TRAFFIC	PHOTO SENSOR
CONTROL UNIT	PLC BASED CONTROL UNIT WITH TAILOR MADE INTEGRATION WITH ALL ACCESS CONTROL DEVICES





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“Finest from the very best from around the world”



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