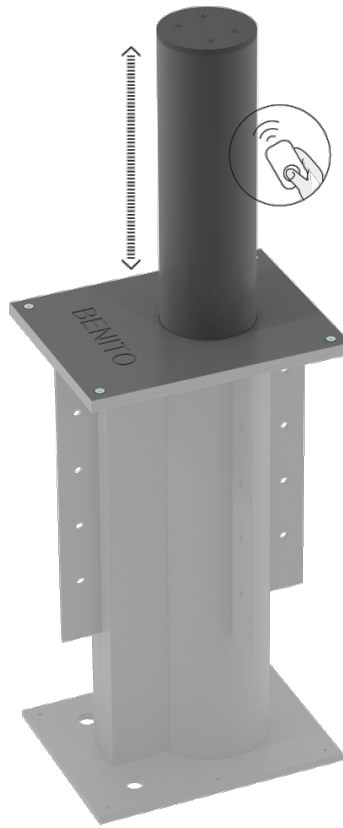




PAS-68

IWA-14



ISO22343

HM5012

Bollard

# DEFENDER M50



ASTM



ISO22343



Certified  
according to  
PAS 68



US  
DEPARTMENT  
OF STATE

Regulations and certifications:

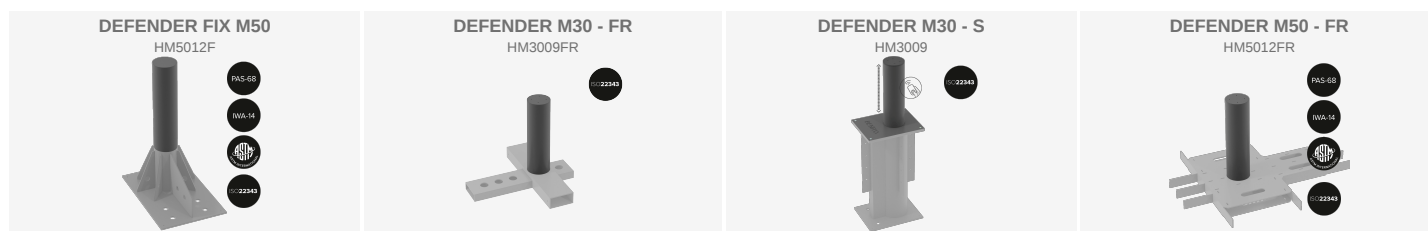


DEFENDER HM5012 security bollard , made of high-strength steel. Designed to provide effective protection against vehicle impacts, it is installed by embedding it in a foundation. Its robust geometry and balanced proportions guarantee high structural rigidity and stability after installation. Finished with an anti-corrosion treatment and thermosetting polyester powder paint, resistant to weather and UV rays. Recommended for demarcating pedestrian zones, restricted access areas, or high-security urban areas, combining functionality, durability, and careful aesthetic integration into the urban environment.

|                          |                          | HM5009                          | HM5010                          | HM5012                          |
|--------------------------|--------------------------|---------------------------------|---------------------------------|---------------------------------|
| DIMENSIONS AND MATERIALS | HEIGHT FROM GROUND LEVEL | 35.43"                          | 39.37"                          | 47.24"                          |
|                          | THICKNESS                | 25                              | 25                              | 25                              |
|                          | BOLLARD DIAMETER         | Ø10.83"                         | Ø10.83"                         | Ø10.83"                         |
|                          | BOLLARD MATERIAL         | 0.98" Steel                     | 0.98" Steel                     | 0.98" Steel                     |
|                          |                          | Epoxy primer and paint          | Epoxy primer and paint          | Epoxy primer and paint          |
| FEATURES                 |                          | 380v - 50/60HZ                  | 380v - 50/60HZ                  | 380v - 50/60HZ                  |
|                          | MOTOR POWER              | 2.000W                          | 2.000W                          | 2.000W                          |
| FUNCTIONAL FEATURES      | SYSTEM                   | Hydraulic / Built-in            | Hydraulic / Built-in            | Hydraulic / Built-in            |
|                          | TEMPERATURE RANGE        | -20°C +80°C                     | -20°C +80°C                     | -20°C +80°C                     |
|                          | IP PROTECTION RATING     | IP67                            | IP67                            | IP67                            |
|                          | WORKING FREQUENCY        | 2100 ciclos/ dia                | 2100 ciclos/ dia                | 2100 ciclos/ dia                |
|                          | ASCENT TIME              | 6 seconds                       | 6 seconds                       | 6 seconds                       |
|                          | LOWERING TIME            | 6 seconds                       | 6 seconds                       | 6 seconds                       |
|                          | IMPACT RESISTANCE        | 6800 / 15873.26 lbs at 49.7 mph | 6800 / 15873.26 lbs at 49.7 mph | 6800 / 15873.26 lbs at 49.7 mph |
|                          | REFLECTIVE BAND          | OPTIONAL                        | OPTIONAL                        | OPTIONAL                        |
|                          | LIGHTED CROWN            | Yes, Red/Green RGB LED          | Yes, Red/Green RGB LED          | Yes, Red/Green RGB LED          |
|                          | TRAFFIC LIGHT FUNCTION   | Si                              | Si                              | Si                              |

**BENITO**

info@benito.com  
tel. 93 852 1000



Downloads: [Project sheet](#) | [CAD](#) | [Certificate](#) | [Mounting instructions](#) |