



HM5012FR

Shallow Mount

DEFENDER M50 - FR



ASTM



ISO22343



Certified according to PAS 68



US DEPARTMENT OF STATE

Regulations and certifications:



ISO 9001



ISO 50001



ISO 14001



ISO 45001

DEFENDER HM5012FR safety shallow mounted , manufactured from high-strength steel. Designed to offer effective protection against vehicle impacts, it is installed by embedding it in a foundation. HVM shallow-mounted bollards are designed for locations where deep foundations are not feasible. Unlike traditional bollards, they can be installed in areas with limited depth, making them ideal for busy urban environments where access to underground utilities is restricted. Their robust geometry and balanced proportions guarantee high structural rigidity and excellent stability after installation. Finished with anti-corrosion treatment and thermoset polyester powder coating, resistant to weathering and UV rays. Recommended for demarcating pedestrian zones, restricted access points, or high-security urban areas, combining functionality, durability, and careful aesthetic integration into the urban environment.

		DEFENDER FR HM5012FR	DEFENDER FR HM5010FR	DEFENDER FR HM5009FR
DIMENSIONS AND MATERIALS	HEIGHT FROM GROUND LEVEL	47.24 in	39.37 in	35.43 in
	THICKNESS	0.98 in	0.98 in	0.98 in
	BOLLARD DIAMETER	Ø0.43 in3 in	Ø0.43 in3 in	Ø0.43 in3 in
	BOLLARD MATERIAL	0.98 in Steel	0.98 in Steel	0.98 in steel
		Epoxy primer and paint	Epoxy primer and paint	Epoxy primer and paint
FUNCTIONAL FEATURES	SYSTEM			
	IMPACT RESISTANCE	6800KG at 80KM/H	7200KG at 80KM/H	7200KG at 80KM/H
	REFLECTIVE BAND	Optional	Optional	Optional
	LIGHTED CROWN	Optional	OPTIONAL	OPTIONAL

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