

HYDRA SUPER BOLLARD

/ FULLY RETRACTABLE OIL-HYDRAULIC BOLLARDS



DESIGNED AND MANUFACTURED TO CONTROL OR STOP TRAFFIC

Will control or stop traffic from private and public vehicle entrances, car parks, mines, factories and warehouses. Bollard diameter of 200mm. Various height options and LED lights available. Rubber band around the bollard head.

OIL-HYDRAULICS

Easy and quick to access the hydraulic drive unit and piston. Manual override by tool to lower the post. Tested to ensure heavy duty performance even at low or high temperatures. Simple maintenance.

EASY ACCESS TO THE OIL-HYDRAULIC COMPONENTS

The motor pump and oil-hydraulic actuator are conveniently housed inside the bollard, making maintenance quicker and easier. This design also protects the components from rust and other damage, reducing installation and service time

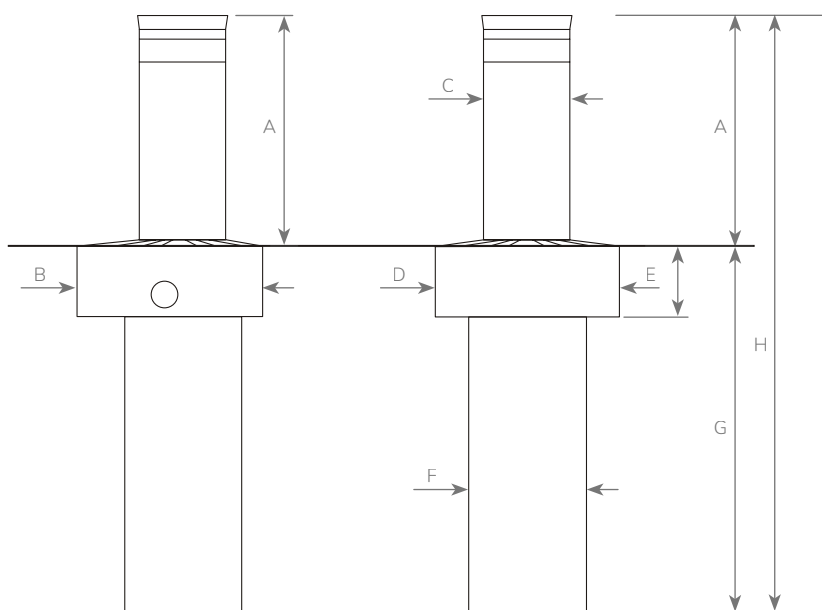
SIMPLE AND QUICK TO INSTALL

Thanks to a reduced weight and the ground casing, no particular excavation or brick works are needed. Each electric cable is (standard) 10m in length. Available in 304 grade brushed stainless steel.

VERSATILE

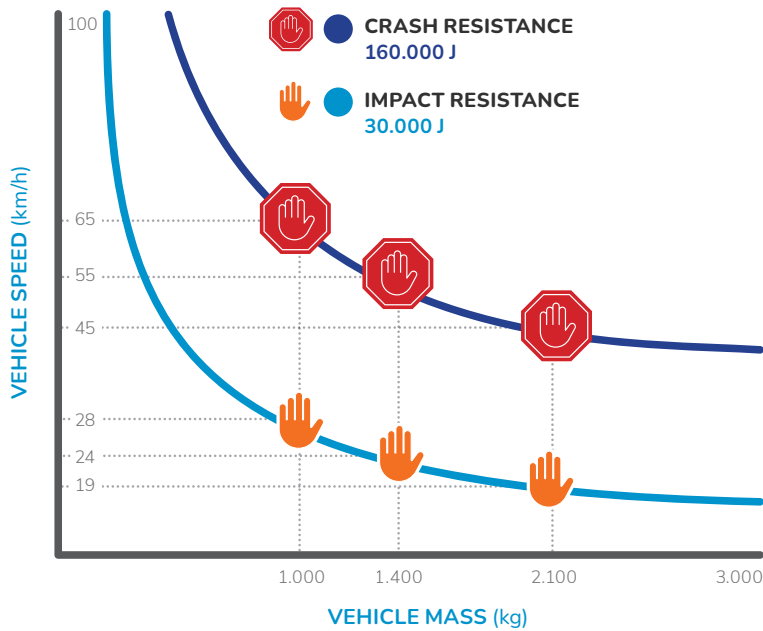
A vast range of accessories for triggering the bollard is available including (pushbuttons, remote controls and card / biometric access control) and safety (loop detector, radar, infrared sensors and traffic lights, etc.) allow for reliable and precise control of the bollards.

OVERALL DIMENSIONS (mm)



Each bollard comes pre-cabled with cables 10 metres long (for electric motor, limit switches, solenoid valve, LED lights)

	A	B	C	D	E	F	G	H
HYDRA SUPER 2250	500	410	Ø200	410	170	Ø275	850	1350
HYDRA SUPER 2263	600	410	Ø200	410	170	Ø275	960	1560
HYDRA SUPER 2280	800	410	Ø200	410	170	Ø275	1140	1940



Various factors, such as the compaction index, soil permeability coefficient and kind of concrete may reduce the values indicated in the diagram even significantly.

CRASH RESISTANCE

This describes the bollard's capability to endure and stop high-energy impacts, such as those from deliberate vehicle ramming at significant speeds. Crash resistance is typically evaluated according to standardized crash test certifications (e.g., ASTM F2656, PAS 68, or IWA 14-1), which assess the bollard's effectiveness in halting vehicles and preventing penetration into secured areas.

IMPACT RESISTANCE

This refers to the bollard's ability to withstand a sudden force or shock without sustaining damage. It is a measure of the bollard's toughness against lower-energy impacts, such as accidental bumps from vehicles or minor collisions. This characteristic ensures the bollard remains operational after such incidents.

KEY DIFFERENCE

- Crash resistance pertains to extreme, intentional collisions and is often tied to anti-terrorism or high-security applications.
- Impact resistance focuses on minor, non-catastrophic events.

TECHNICAL SPECIFICATIONS

	HYDRA SUPER 2250	HYDRA SUPER 2263	HYDRA SUPER 2280
POST DIAMETER	Ø200	Ø200	Ø200
POST THICKNESS	4mm	4mm	4mm
POST HEIGHT	500mm	600mm	800mm
POST MATERIAL	Steel S235J	Steel S235J	Steel S235J
POST FINISHING	Powder Coating Polyester RAL7016		
POST MATERIAL STAINLESS STEEL VERSION	304	304	304
GROUND CASING	Hot dip galvanization		
RISING TIME	~5.1s	~5.9s	~7.7s
LOWERING TIME	~4.3s	~5.2s	~7.0s
WORKING TEMPERATURE	-20°C +80°C (*)	-20°C +80°C (*)	-20°C +80°C (*)
OIL TYPE	Oil Turnstar code 708L		
SUPPLY VOLTAGE	230 Vac – 50 Hz	230 Vac – 50 Hz	230 Vac – 50 Hz
ABSORBED POWER	330 W	330 W	330 W
ABSORBED CURRENT	1.8 A	1.8 A	1.8 A
ABSORBED CURRENT	0.25 kW (0.33 HP)	0.25 kW (0.33 HP)	0.25 kW (0.33 HP)
PROTECTION STANDARD OF OIL-HYDRAULIC MOTOR PUMP	IP67	IP67	IP67
FREQUENCY OF USE	Intensive		
IMPACT RESISTANCE	30.000 J	30.000 J	30.000 J
CRASH RESISTANCE	160.000 J	160.000 J	160.000 J
WEIGHT	102 kg	110 kg	131 kg

(*) -40° C with specific optional accessories. For a correct installation always consult the specific instructions manual. Check soil permeability and provide a rain water drain system at the base of casting if necessary.

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