

TPR-SF 2080

SURFACE MOUNT HYDRAULIC ROAD BLOCKER



GENERAL INFORMATION

TPR-SF Surface-Mount Hydraulic Road Blockers are Hostile Vehicle Mitigation (HVM) products that provide high-security protection against hostile vehicle attacks.

For the installation of surface mount road blockers, there is no need to dig the ground. With this feature, it is a suitable solution for projects that have construction constraints and time limits. It is just mounted on the surface of the road.

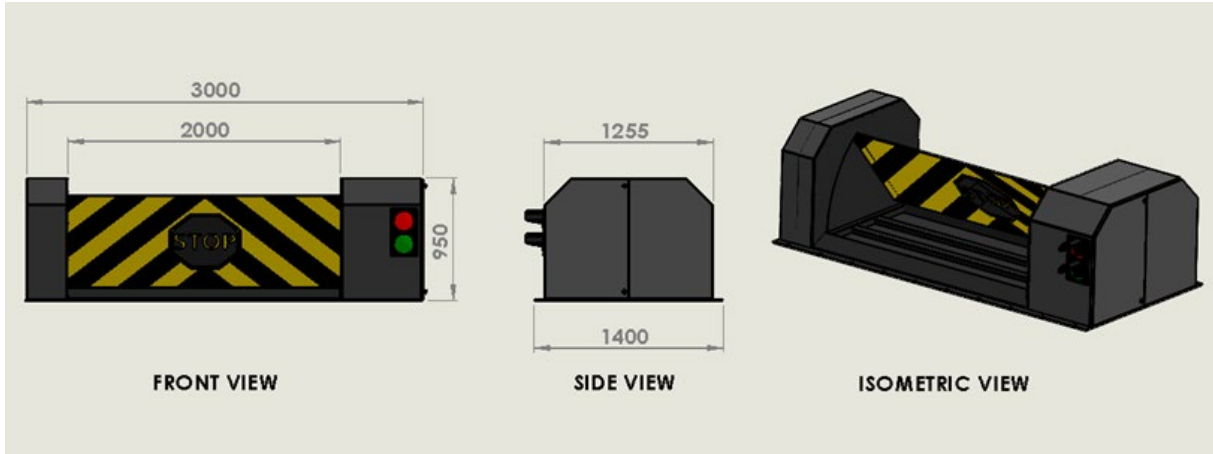
TPR-SF Surface Mount Road Blockers are manufactured at developed production facilities by experienced technical staff, using quality materials and electronic components with the highest reliability in the market. In addition to standard sizes and features, it is possible to customize specifications and dimensions according to customer needs and provide practical solutions.

MAIN CHARACTERISTICS

- Robust construction of TPR-SF series surface mount road blockers are designed for heavy-duty operations and made out of heavy materials,
- High impact resistance that meets the K8 level of protection class,
- Easy to install and maintain by its surface mount design which provides more advantages compared to conventional road blockers,
- Installation in places with construction constraints,
- Position sensing and speed control with proximity limit sensors which immediately stop the motor operation at limit points,
- The drive unit is hydraulic but in case of a power failure or in an emergency situation, the system can be controlled manually with the help of a manual hand pump,
- Can be integrated with other access control systems easily.

TECHNICAL SPECIFICATIONS

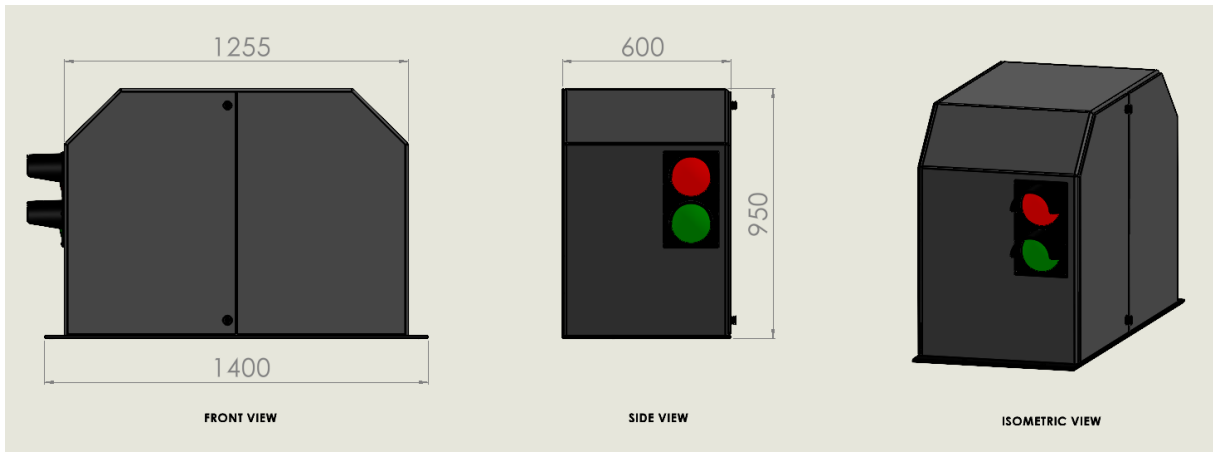
BLOCKER PHYSICAL CHARACTERISTICS



PHYSICAL CHARACTERISTICS

BLOCKING LENGTH	3000 mm
OBSTACLE HEIGHT	800 mm standard
CASE DIMENSIONS	4000 x 1400 x 950 mm
WEIGHT	1100-1600 kg
CONTROL PANEL	1.5 mm electrostatic painted DKP sheet
STRUCTURE	15 mm Treated Steel Plate
COVERING	Two component surface tolerant epoxy mastic coating for anti-corrosion (Jotamastic) and polyester outdoor painted, black finishing with yellow stripes on the front and top steel plates

CONTROL CABINET PHYSICAL CHARACTERISTICS



CABINET: Steel panel with 2 mm thickness, Electrostatic thermal painted for anti-corrosion resistance, continuous ventilation.

CONTROL CABINET DIMENSIONS:

FEATURE	WIDTH	LENGTH	HEIGHT
STANDARD HPU	1255	600	950
DCO	1255	600	950
EFO	1255	600	950
DCO/EFO	1255	600	950

OPERATIONAL CHARACTERISTICS

OPERATION	Hydraulic
OPERATION PRESSURE	Min 60 Bars / Max 180 Bars
HYDRAULIC OIL	Number 37 - 46 Hydraulic Oil
LIFTING/LOWERING TIME	Adjustable, 3 - 4 seconds (standard)
SPEED CONTROL	Opening and closing limit points
OPERATION FREQUENCY	300 + Cycles / Hour
EMERGENCY FAST OPERATION	Rising in 1 second (with optional EFO)
DC OPERATION	Capable to complete 10 cycles without electricity (with optional DCO)
MANUAL OPERATION	Raising and lowering with manual hand pump
POSITION DETECTION	M18 Contactless Position Sensor (Weatherproof)
SAFETY	Photocell / Loop detector

ELECTRICAL CHARACTERISTICS

ELECTRICAL MOTOR	380 VAC, 50-60 Hz, 3 Phases, 2.2 to 4 kW
CONTROL PANEL	PLC controlled (Schneider), programmable for integration with different systems
TEST PANEL	Integrated test panel on electric cabin cover with phase indicators

RESISTANCE CHARACTERISTICS

IMPACT RESISTANCE	K8 Equivalent
AXLE LOAD RESISTANCE	35 Tons
ENVIRONMENTAL CONDITIONS	-15 °C / +70 °C, % 95 non-condensing humidity
PROTECTION CLASS	IP 65

EQUIPMENT AND ACCESSORIES

HYDRAULIC HOSES	18/1.5 Connector - 1/2 Radius, 220 Bars max. pressure
SAFETY EQUIPMENTS	Emergency stop buttons (standard), Optionally front and rear loop sensors, Safety Photocell
STANDARD ACCESSORIES	Control Keyboard (inside the Control Panel), Temperature and oil level indicator, Manometer
OPTIONAL ACCESSORIES	Control Keyboard (Wired), Traffic Light, Flasher Lamp, Siren, RF Receiver, RF Transmitter, RF Antenna

CERTIFICATIONS AND WARRANTY

CERTIFICATIONS	ISO 9001:2015, ISO 14001:2015, OHSAS 18001, CE, TSE
WARRANTY	2 years