

HYDRULIC ROAD BLOCKER MODELS

SMART TECHO

Surface mount road blockers

Are real defense operating systems for external attacks

Safe to use & Simple to manage



Introduction

The Surface mount road blocker is designed to provide strong and uncompromising performance for environments that require this type of road blocker, and to be the ultimate deterrent against vehicular access. It provides fast performance in addition to outstanding site security. It also provides an effective solution for sites that do not require deep excavation work as is the case with road blocker that require a deep hole.

The surface mounted road blocker is offered in standard heights of 800mm or customized and lengths vary from 2.5m to 6m. The road blocker is manufactured entirely from galvanized steel and is coupled with a high quality 100% hydraulic power pack, providing guaranteed reliability in the harshest weather conditions.

Safety & reliability

Smart tech hydraulic road blockers are designed especially for entrance points that have a threat of vehicle attack or for the ones that have high-security requirements. The drive unit is electro-hydraulic, but in case of power failure, road blocker can be lowered or lifted manually with the help of a hand pump. Typical raise/lower time is 3-5 seconds, in case of emergency, raise/lower time can be as low as 1.5 seconds if hydraulic accumulator added to system(optional).



The control

Control unit adopts PLC programmable controller, which can be a variety of different function models to meet the different needs of different users on function. The panel allows the bumper to be controlled in more than one way, such as a push button and readers, as well as connecting it to backup batteries.

Specifications

model	ST-SMH2500	ST-SMH3000	ST-MSH4000
Dimensions L.W.H	(2500mm,1500mm,800mm)	(3000mm,1500mm,800mm)	(4000mm,1500mm,800mm)
Moving part mm	2000 mm	2500 mm	3500 mm
Thickness	10:12 mm		
Performance	Loading 50 Tones		
Impact Resistance	7.5T @ 80 km/h		
Power Supply	380 V, 3 Phase, 50-60 Hz (or 220 V/ 440 V etc., three phase, 50-60 Hz optional by a transformer 220/380 V (±10) 3 phase 50/60Hz		
Way of work	Hydraulic		
Number of pistons	Double Piston	Double Piston	Double Piston
CONTROL PANEL	external control system external push buttons waterproof box Can integrate any BLC control panel with safety breakers,		
Motor power	4KW 1500 rpm	5.5KW 1700 rpm	5.5KW 1700 rpm
Working time	3-5 second		
cooling	100% duty cycling		
Working pressure:	150 bar		
Oil tank capacity	80:100 liter		
Tank accessories	Oil level indicator, filter breather, drain port		
Hydraulic pipes	Yes, to 10m		
Water pump	yes		
Loop detector	yes		
Protection Class	Ip67		
Operating Temperature	-25° C to +65° C		
Painted	yes		



Dimensions L.W.H	(5000mm,1500mm,800mm)	(6000mm,1500mm,800mm)
Moving part mm	4500 mm	5500 mm
Thickness	10:12 mm	
Performance	Loading 50 Tones	
Impact Resistance	7.5T @ 80 km/h	
Power Supply	380 V, 3 Phase, 50-60 Hz (or 220 V/ 440 V etc., three phase, 50-60 Hz optional by a transformer) 220/380 V (±10) 3 phase 50/60Hz	
Way of work	Hydraulic	
Number of pistons	Double Piston	Double Piston
CONTROL PANEL	external control system external push buttons waterproof box Can integrate any control panel with safety breakers,	
Motor power	7.5 KW, 1750 rpm	7.5 KW, 1750 rpm
Working time	3-5 second	
cooling	100% duty cycling	
Working pressure:	150 bar	
Oil tank capacity	80:100 liter	
Tank accessories	Oil level indicator, filter breather, drain port	
Hydraulic pipes	Yes, to 10m	
Water pump	yes	
Loop detector	yes	
Protection Class	Ip67	
Operating Temperature	-25° C to +65° C	
Painted	yes	

Specifications

OPTIONAL:

- Customize Sizes
- (Emergency Fast Operation) EFO Operation 1.5 – 2 sec
- Backup Battery
- More than 10 m hydraulic Pipes
- Flashing lights in front of the road blocker

