

HYDRULIC ROAD BLOCKER MODELS

SMART TECHO SHALLOW ROAD BLOCKERS

**Are real defense operating systems for
external attacks**



Introduction

Smart Techo High Security shallow Blocker has been designed to offer uncompromising rugged performance for the most demanding of environments. Designed as the ultimate deterrent against vehicular access the Road Blocker offers rapid performance together with premium site security.

The shallow Road Blocker is offered in standard heights 800mm or customized sizes and lengths vary from 2.5m to 6m. Manufactured from fully galvanized steel the Road Blocker is coupled to a high quality 100% Duty Rated Hydraulic Power Pack providing assured reliability in the most extreme weather conditions.



Safety & reliability

Smart techo 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. In addition, its movement stroke is debugging timing design. The user can freely adjust the height of the cover plate, effectively saving energy.

Specifications

model	STSH- 2500	STSH-3000	STSH-4000
Dimensions W.L.H	(2000mm,1500mm,800mm)	(3000mm,1500mm,800mm)	(4000mm,1500mm,800mm)
Depth	300 mm to 400 mm		
Moving part	Steel top 12mm / Steel fronts 6mm / Steel lateral part 3mm / Interior supports 3mm		
Performance	Loading 50 Tons		
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)		
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 15m		
Water pump	yes		
Loop detector	yes		
Protection Class	Ip67		
Operating Temperature	-25° C to +65° C		
Tested	Crash test design Compliant (PAS 68 and IWA14-1)		



Specifications

model	STSH-5000	STSH-6000
Dimensions W.L.H	(5000mm,1500mm,800mm)	(6000mm,1500mm,800mm)
Depth	300 mm to 400 mm	
Moving part	Steel top 12mm / Steel fronts 6mm / Steel lateral part 3mm / Interior supports 3mm	
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)	
Way of work	Hydraulic	
Number of pistons	Double Piston	Double Piston
CONTROL PANEL	external control system external push buttons waterproof box Can integrate any PLC control panel with safety breakers,	
Motor power	7.5KW , 1750 rpm	
Working time	3-5 second	
Hydraulic unit	Hydraulic unit consist of 5.5HP (220/380v)/50-60h Solenoid valve with safety coil , manual pump	
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 10 m	
Water pump	yes	
Loop detector	yes	
Protection Class	Ip67	
Operating Temperature	-25° C to +65° C	
Tested	Crash test design Compliant (PAS 68 and IWA14-1)	

OPTIONAL:

- Customize Sizes
- (Emergency Fast Operation) EFO Operation 1.5 – 2 sec
- Backup Battery
- More than 15 m hydraulic Pipes
- Flashing lights in front of the road blocker
- Submersible drainage pump.

