

Barriers

Highest Security for special Requirements

Terrorists and criminals use all methods available to reach their targets. SÄLZER barriers offers highest protection for this kind of threat. In case of emergency the whole roadway is blocked by the system additional to trucks, vans, cars also motorbikes will be stopped.

SÄLZER barriers are tested in accordance to the U.S. State Department's SD-STD-02.01 standard. SÄLZER barriers are rated K12/pass, stopping a 15,000 lbs vehicle traveling with 50 mph against the barrier steel plate. Also available according to PAS 68 and ASTM F2656/F2656M-15.

SÄLZER barriers only need a 16 inches (400 mm) foundation allowing installation in areas with underground cables and water mains. SÄLZER barriers can be installed in many locations that would be impossible with other systems due to the shallow-depth foundation.



Barrier opens in 1 second in case of emergency.

Technical Description – Barrier (shallow mount barrier)

Material:	High grade steel, hot dipped galvanized
Highest impact loads:	Tested and certified according to the US DoS standard SD-STD-02.01: K12/Pass (15,000 lbs/50 mph, impact load: 1,695kJ) Also available according ASTM F2656/F2656M-15 and PAS 68 (impact load: 1,852kJ)
Control system:	Siemens S7
Drive:	Electro hydraulic, 400 V hydraulic power unit is housed at same location of barrier. Optional remote installation possible.
Operation:	Separate control panel. Compatible with many access control systems. Optional manual hand pump.
Standard opening and closing time:	Individual adjustable, e.g. 2-10 seconds. Optional emergency function: 1second
Standard foundation:	16 inches (400 mm)
Standard barrier height:	35 inches (900 mm) (Barrier is flush with the surface of the roadway in closed position)
Standard barrier width:	From 106 inch (2,700 mm) up to 157 inches (4,000 mm), other sizes on request.
Surface:	Galvanized, primed, painted, anti-slip paint
Further options:	Signal and security lighting, traffic lights, heater for HPU and for bollard foundation, induction loop detectors, access control, card readers and more, extreme weather packet: - 40 up to + 50 degrees

Shallow - depth Foundation of the Barriers



We are testing for your safety. A lorry (15.000 lbs) drives with a speed of 50 mph against the barrier.

SÄLZER barriers have a hydraulic drive power system controlled by a Siemens S7 primary logic controller. Standard activation time for the barrier 2-7 seconds with an optional "Emergency Up" which activates the barrier in less than 1 second. The Siemens S7 controller also allows future adjustments to the normal activation times as the security situation dictates.

The electro hydraulic drive is installed in a separate cabinet which is protected from the weather in a housing. It is possible to place it directly near the barrier or in a surrounding building.

Simple Installation

Pre-assembled components ensure an easy installation. The electro-hydraulic drive is factory preset. A comprehensive installation manual and a foundation plan will be delivered.

Upon request installation can be made by the SÄLZER experienced installation team. We look forward to doing the the maintenance work.



Barrier: barrier is flush to the surface of the roadway in closed position. In opening position: standard height 35 inches (900 mm).

In case of electrical power outage

Lift the closing element by hand pump or pressure accumulator. Lower the closing element by hand pump and by own weight.

For altering Security Requirements: Mobile Barrier



Mobile barrier with removable axle for easy transport.