

**WEBERRESCUE**  
SYSTEMS

**CRASH SYSTEM**



**REALISTIC  
VEHICLE DEFORMATION  
FOR PRACTICAL TRAINING**

[www.weber-rescue.com](http://www.weber-rescue.com)

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# CRASH SYSTEM

The **WEBER RESCUE Crash System** can be used to simulate all types of vehicle incidents on site, such as frontal, side, roof or rear accidents, from passenger cars to vans to truck cabs. It enables practical training based on accident scenarios as they might normally happen on the roads every day. For example, using training dummies to simulate a patient entrapment scenario. It is also ideal for exercise preparation at the site, district or state fire department school level, for standard and special training in the area of patient-oriented accident rescue, as well as for demonstrations and public relations training.

## Description

- The crash system is easy to operate and enables safe, accident-free deformation of vehicles without endangering the emergency services themselves. No construction machines, truck-mounted cranes or the like have to be organized or used for creating different scenarios.
- The system can be set up and operated with minimal manpower (two people) and can be loaded by crane, winch or forklift. Set-up time: 30 minutes
- All simulation results are obtained by four cylinders with different punches.
- By adjusting the pressure, different degrees of destruction can be simulated.
- The system is mounted on a roll-off sub-frame so that it can be pulled up or transported by a swap-body truck or transport it with an intermodal loader vehicle.
- The step-by-step construction of the base plates guarantees high stability.
- Drive-up ramps and an extension that is hooked into a guide rail are available to simulate a side impact. This allows the different lengths and widths of the vehicles to be covered and the drive-up width to be varied.
- The hydraulic unit is separate from the machine, the hydraulic and electric connection is made by quick couplings.
- The system is robust and durable due to low-wear material. No special components are installed or required.

- Maintenance costs (parking space, safety inspection for replaceable load carriers) are also low.
- Due to the fixing position of the vehicles in the guide cage, no movement of the vehicle is possible.
- Two of the four cylinders are used to secure and clamp the vehicle, while the other two deform the vehicle.
- Further fastening options through eyelets for tension belts and chain hoists.

## Safety devices

- The working area is limited by a wired remote control and can thus be viewed at any time.
- The cylinders are operated via toggle switches, which have a dead man's switch.
- A visual warning signal warns during the pressing process.
- Possible leaks of water-polluting liquids are collected in a drainage channel so that they do not get into the ground, and can thus be properly removed.
- The tank of the unit is double-walled for mobile use.
- Explosion protection has been taken into consideration.



### Technical data

<b>Weight</b>	<b>Machine</b>	<b>Hydraulic power unit</b>	
	approx. 7.500 kg net	370 kg (without oil filling)	
<b>Dimensions (L x W x H)</b>	7,440 x 2,450 x 2,480 mm		
<b>Engine</b>	<b>Power</b>	<b>Voltage</b>	<b>Protection class</b>
<b>E-motor 1470U B5 IE3</b>	11 kW	400 V	IP 54
<b>Hydraulics</b>	<b>Hydraulic cylinder</b>	<b>Double pump</b>	<b>Volume flow</b>
	4 x 160/100/1280	36 + 6 cm <sup>3</sup> /U	52,9 + 8,82 l/min
	Return filtration	Pressure	Steel tank
	10 µm filter performance ISO 16889 β75(c)>10	max. 260 + 70 bar	450 l (double-walled)
		Purity class	
		19/17/14 acc. ISO 4406	
<b>Electrical engineering</b>	<b>Voltage</b>	<b>Frequency</b>	<b>Protection class</b>
	400 V / 400 V AC	50 Hz	IP 54
	Nominal power	Valve voltage	
	11 kW	12 V DC	
<b>Recommended permissible environmental temperature</b>	0° to + 30° celsius		
<b>Emissions</b>	<b>Sound pressure level</b>	<b>max. heat output</b>	
	< 85 dB(A)	approx. 3,3 kW	
<b>Vehicle in work area</b>	<b>Front impact/rear impact</b>	<b>Side impact</b>	
	max. length 5,105 mm	max. length 4,120 mm	
	min. length 3,100 mm	min. length 2,550 mm	
	Width 2,250 mm	Width app. 2,000 mm	
	Height 2,180 mm	Height 2,160 mm	
Part no. 1100480			

More information on request:



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