

Reliable spreading technology tailored to field requirements

Binding agent spreader

SW 12 MA | SW 16 MA



At a glance: outstanding features of the MA model series

1 | POWERFUL SPREADING TECHNOLOGY

- > Discharge of binder via a large, hydraulically driven spreading auger
- > "RotoPlus" metering unit for high spreading accuracy even when using free-flowing materials
- > Two separately controlled partial widths

2 | CONVENIENT, HIGH-PRECISION SPREADING CONTROL

- > Convenient, continuous adjustment of the spread rate via a control terminal
- > Sensor-controlled chain conveyor for optimized material feed to the spreading unit
- > Integrated filling level indicator (container "full" or "empty")

3 | HIGHLY EFFICIENT DISCHARGE SYSTEM

- > Quick filling of the container via large filling connectors
- > Pneumatic filling device on both sides, left and right





4 |

RELIABLE DRIVE SYSTEM

- > A closed on-board hydraulic system guarantees operation independent of the carrier vehicle
- > Autonomous drive system by means of an optional auxiliary engine

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ERGONOMICALLY OPTIMIZED, FLEXIBLE CONTAINER DESIGN

- > Different container sizes for different spreading requirements
- > Suitable for mounting on different types of self-propelled carrier vehicles
- > Inspection ports on the container including emergency stop switch
- > Free swinging relief cover above the conveyor floor to prevent material building up in the container

1 |

The binding agent spreaders in the MA model series are mounted on two-axle or three-axle carrier vehicles and are ideally suited as mobile spreading units for all kinds of off-road and on-road applications.

The binder is metered and spread by means of a large, hydraulically driven spreading auger.

Continuously variable adjustment of the spread rate and the metering unit integrated into the spreading auger ensure uniform and precise binder discharge.

A pneumatic filling device on both sides, left and right, ensures quick and efficient filling of the binder container.

Technical specification

04
05

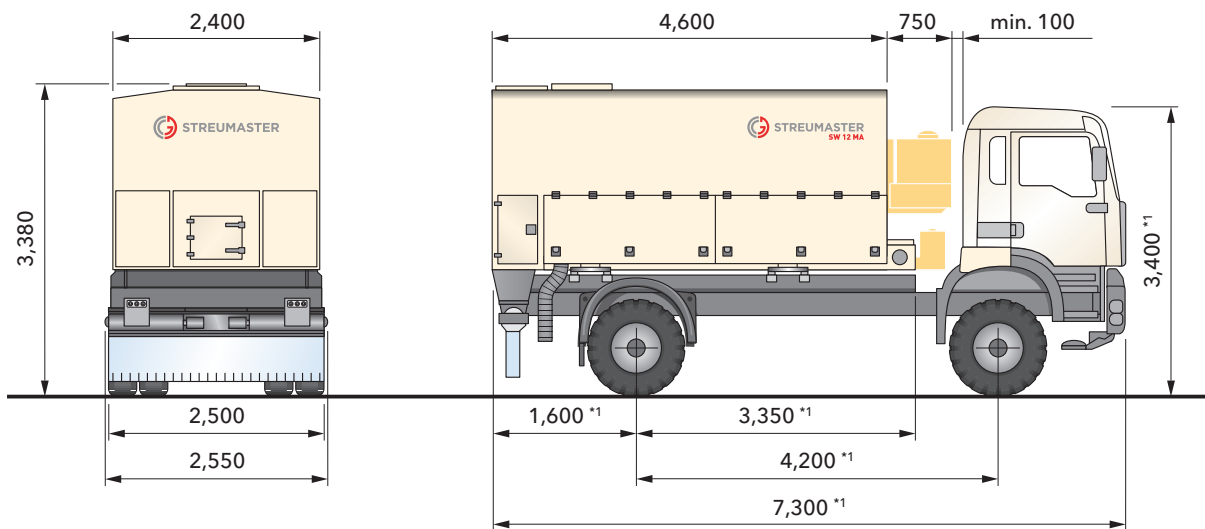
	Binding agent spreader SW 12 MA	Binding agent spreader SW 16 MA
Container		
Container capacity	12 m ³	16 m ³
Size of filling connector / filling hose	3"/4"/5"	
Chain conveyor		
Width of chain conveyor	950 mm	
Opening height of slide gate	350 mm	
Spreading auger		
Max. working width	2,500 mm	
Spread rate at 2 km/h *1	2 to 35 l/m ²	
Hydraulic system		
Max. hydraulic power	90 l/min x 240 bar	
Capacity of hydraulic fluid tank	100 l	
Weights		
Truck-mounted empty weight *2	4,000 kg	4,500 kg
Truck requirements		
Minimum speed of the truck's auxiliary drive	500 rpm	
Required speed of the truck's auxiliary drive for max. hydraulic power	800 rpm	
Max. permissible speed of the truck's auxiliary drive	2,600 rpm	
Required power output of the truck's auxiliary drive	35 kW	
Required torque of the truck's auxiliary drive	350 Nm	
Electrical system	12 V / 20 A	

*1 = The spread rate depends on various parameters (such as type of binder, type of spreading unit or site conditions)

*2 = Basic machine excluding optional equipment features

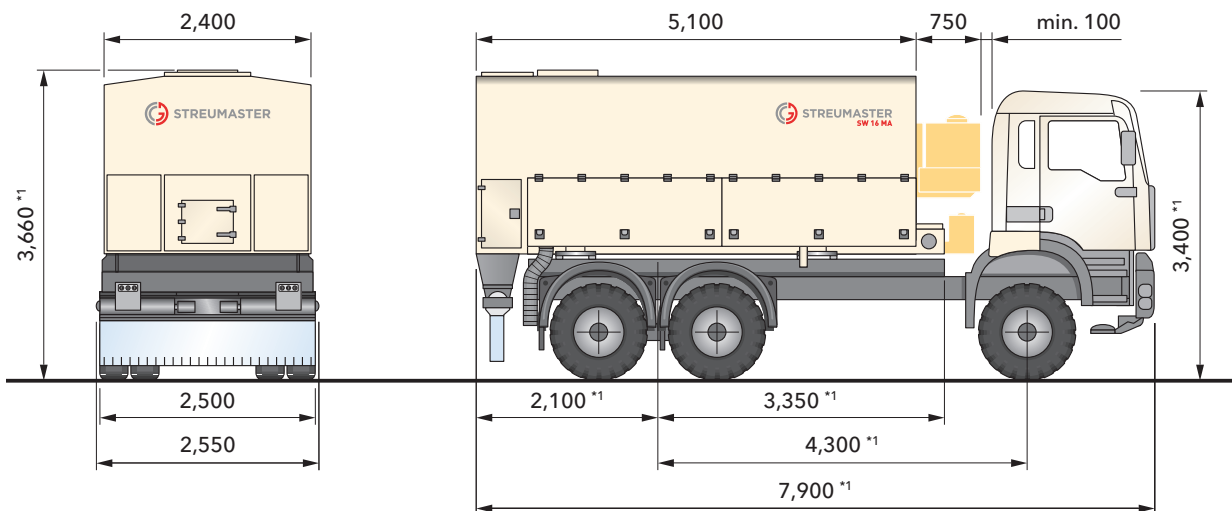
Dimensions

Binding agent spreader SW 12 MA
Truck-mounted unit with 2-axle truck



*1 = Dimensions based on MAN chassis

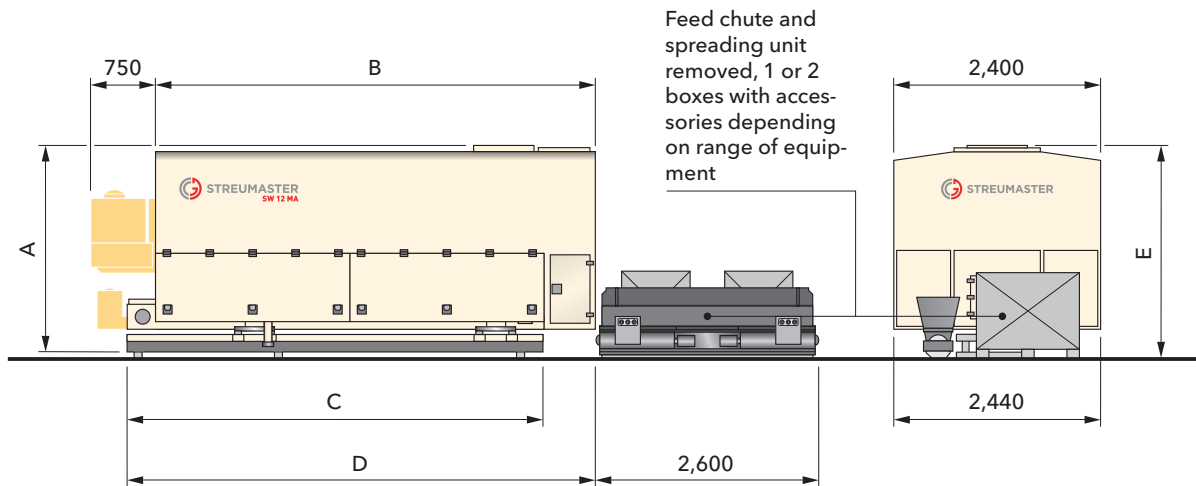
Binding agent spreader SW 16 MA
Truck-mounted unit with 3-axle truck



*1 = Dimensions based on MAN chassis

Dimensions

Shipping dimensions of binding agent spreaders SW 12 MA and SW 16 MA
(for truck-mounted unit only, excluding truck)



	A	B	C	D	E
SW 12 MA (truck-mounted unit for 2-axle truck)	2,140	4,600	4,380	4,980	2,240
SW 16 MA (truck-mounted unit for 3-axle truck)	2,420	5,100	4,880	5,480	2,520

Dimensions in mm

Equipment features

	SW 12 MA 2 axles	SW 16 MA 3 axles
Container/ Chassis		
Lockable side doors	■	■
Storage compartments	□	□
Loading and lashing lugs	■	■
Subframe for the carrier vehicle	■	■
Relief cover on the chain conveyor to prevent material building up in the container	■	■
Vent pipe and pressure relief valve integrated into the container	■	■
3" pneumatic filling device on both sides, left and right	■	■
4" pneumatic filling device on both sides, left and right	□	□
Hydraulic slide gate	■	■
Sensor-controlled chain conveyor	■	■
Side underrun protection system *2	□	□
Drive system / Control system / On-board computer		
Closed on-board hydraulic system	■	■
Electronic weighing device *1	□	□
Speed sensor mounted on the cardan shaft	■	■
Continuous adjustment of the spread rate	■	■
Filling level indicator (container "full" or "empty")	■	■
Auxiliary engine for operation independent of the carrier vehicle or tractor	□	□
Spreading unit		
Spreading auger with "RotoPlus" metering unit	■	■
Working width can be divided into two partial sections	■	■
Miscellaneous		
Dust protection	■	■
Access ladder	■	■
Bag filter package	□	□
Filter system for automatic dust collection	□	□
Monitor system for monitoring the working area behind the spreader	□	□
Lighting system with 4 LED working lights	□	□

*1 = Cannot be calibrated

*2 = Required for TÜV (Technical Inspection Association) approval in Germany

■ = Standard equipment

□ = Optional equipment



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