

High-precision, highly efficient binder discharge

Binding agent spreader

SW 12 MC | SW 16 MC | SW 20 MC



At a glance: outstanding features of the MC model series

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03

1 | HIGHEST SPREADING ACCURACY

- > Spreading unit in rotary feeder design
- > Self-cleaning metering feeders
- > Fully automatic metering independent of the travel speed
- > Three separately controlled partial widths
- > Universal, low-volume or high-performance spreading unit

2 | CONVENIENT, HIGH-PRECISION COMPUTER CONTROL

- > Easy-to-operate control terminal
- > Convenient, continuous adjustment of the spread rate
- > "WeighTronic" electronic weighing device with automatic readjustment as an optional equipment feature
- > Intelligent speed detection allowing adjustment of the spread rate independent of the travel speed
- > Sensor-controlled chain conveyor for optimized material feed to the spreading unit
- > Integrated filling level indicator (container "full" or "empty")



Mounted on a carrier vehicle, the binding agent spreaders in the MC model series are ideally suited for the high-precision, computer-controlled spreading of binding agents.

Fully automated metering of the amount of binder to be spread independent of the travel speed of the carrier vehicle and self-cleaning metering feeders ensure uniform and precise binder discharge.

The spreading unit in rotary feeder design with separately controlled partial widths guarantees high precision and spreading performance.

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

Professional off-road and on-road operation as a mobile spreading unit.



3 |

HIGHLY EFFICIENT DISCHARGE SYSTEM

- > Quick filling of the container via large filling connectors
- > Pneumatic filling devices on both sides, left and right
- > Feed chute with two sensor-controlled transverse augers for optimum, efficient distribution of the binder to be spread

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RELIABLE DRIVE SYSTEM

- > A closed on-board hydraulic system guarantees operation independent of the carrier vehicle
- > Autonomous drive 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
- > Container inspection ports with safety switch
- > Free swinging relief cover above the conveyor floor to prevent material building up in the container

Technical specification

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		Binding agent spreader SW 12 MC	
Container			
Container capacity	12 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 unit (metering feeders)	Spreading unit Ø 230 mm	Spreading unit Ø 410 mm	
Working width/Partial widths	2,360 mm / 820 mm 720 mm 820 mm		
Spread rate at 2 km/h* ¹	1 to 60 l/m ²		
Hydraulic system			
Max. hydraulic power	75 l/min x 300 bar	90 l/min x 300 bar	
Capacity of hydraulic fluid tank	100 l		
Weights			
Truck-mounted empty weight* ²	4,200 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	700 rpm	800 rpm	
Max. permissible speed of the truck's auxiliary drive	2,600 rpm		
Required power output of the truck's auxiliary drive	≥ 40 kW	≥ 48 kW	
Required torque of the truck's auxiliary drive	400 Nm	570 Nm	
Electrical system - standard	24 V / 20 A	24 V / 20 A	
Electrical system - optional	12 V / 40 A	12 V / 40 A	

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

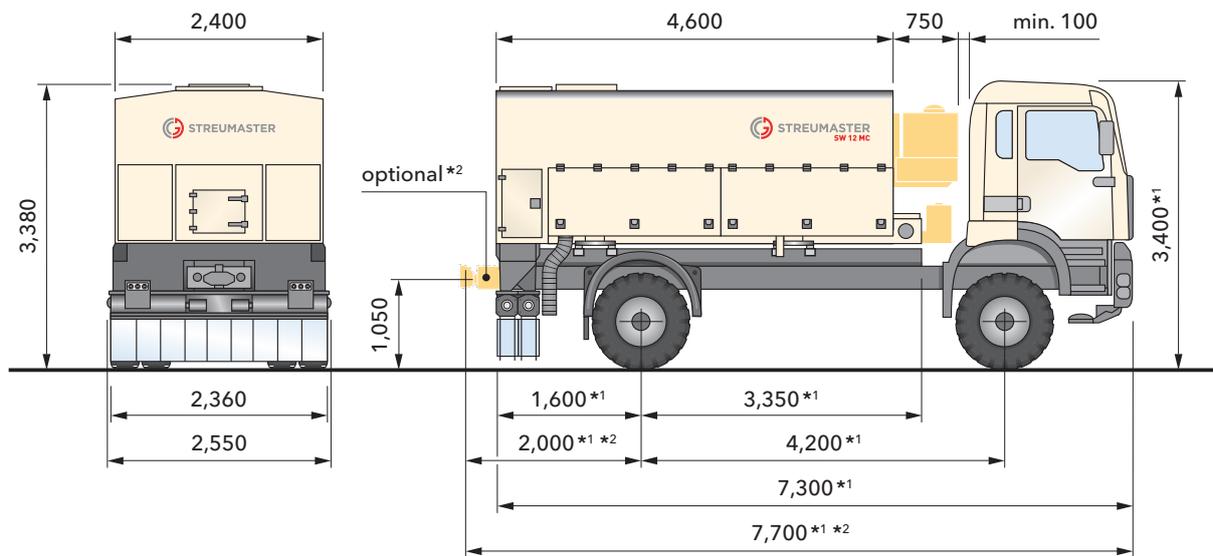
*² = Basic machine excluding optional equipment features

	Binding agent spreader SW 16 MC		Binding agent spreader SW 20 MC	
	16 m ³		20 m ³	
	3"/4"/5"			
	950 mm			
	350 mm			
	Spreading unit Ø 230 mm	Spreading unit Ø 410 mm	Spreading unit Ø 230 mm	Spreading unit Ø 410 mm
	2,360 mm / 820 mm 720 mm 820 mm			
	1 to 60 l/m ²			
	75 l/min x 300 bar	90 l/min x 300 bar	75 l/min x 300 bar	90 l/min x 300 bar
	100 l			
	4,700 kg		5,200 kg	
	500 rpm			
	700 rpm	800 rpm	700 rpm	800 rpm
	2,600 rpm			
	≥ 40 kW	≥ 48 kW	≥ 40 kW	≥ 48 kW
	400 Nm	570 Nm	400 Nm	570 Nm
	24 V / 20 A	24 V / 20 A	24 V / 20 A	24 V / 20 A
	12 V / 40 A	12 V / 40 A	12 V / 40 A	12 V / 40 A

Dimensions

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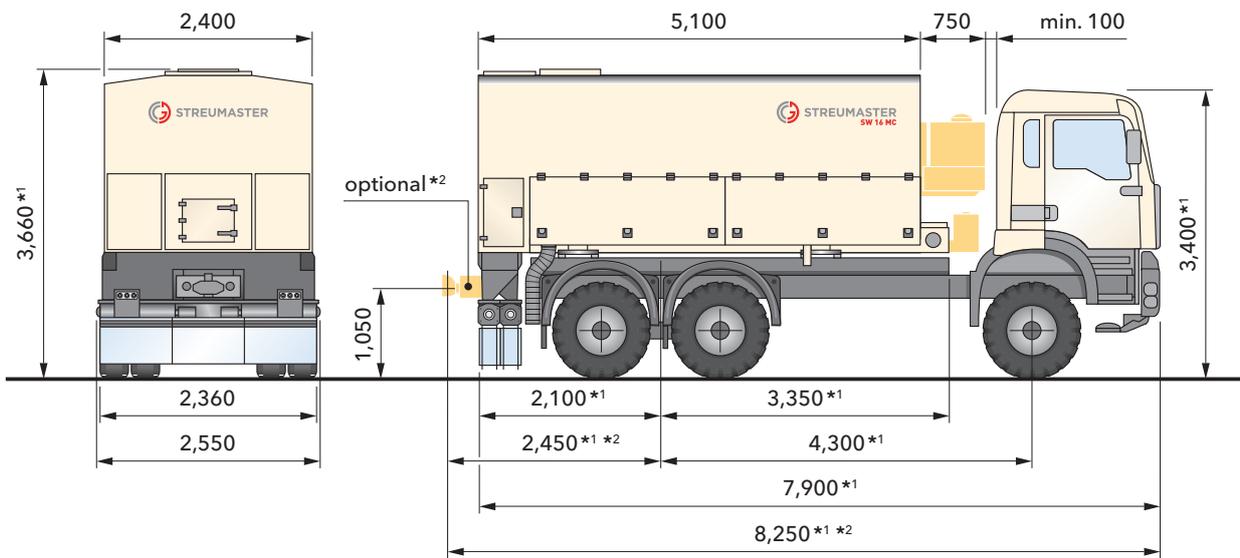
Binding agent spreader SW 12 MC
Truck-mounted unit with 2-axle truck



*1 = Dimensions based on MAN chassis
*2 = Frame extension with tow hitch (optional)

Dimensions in mm

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

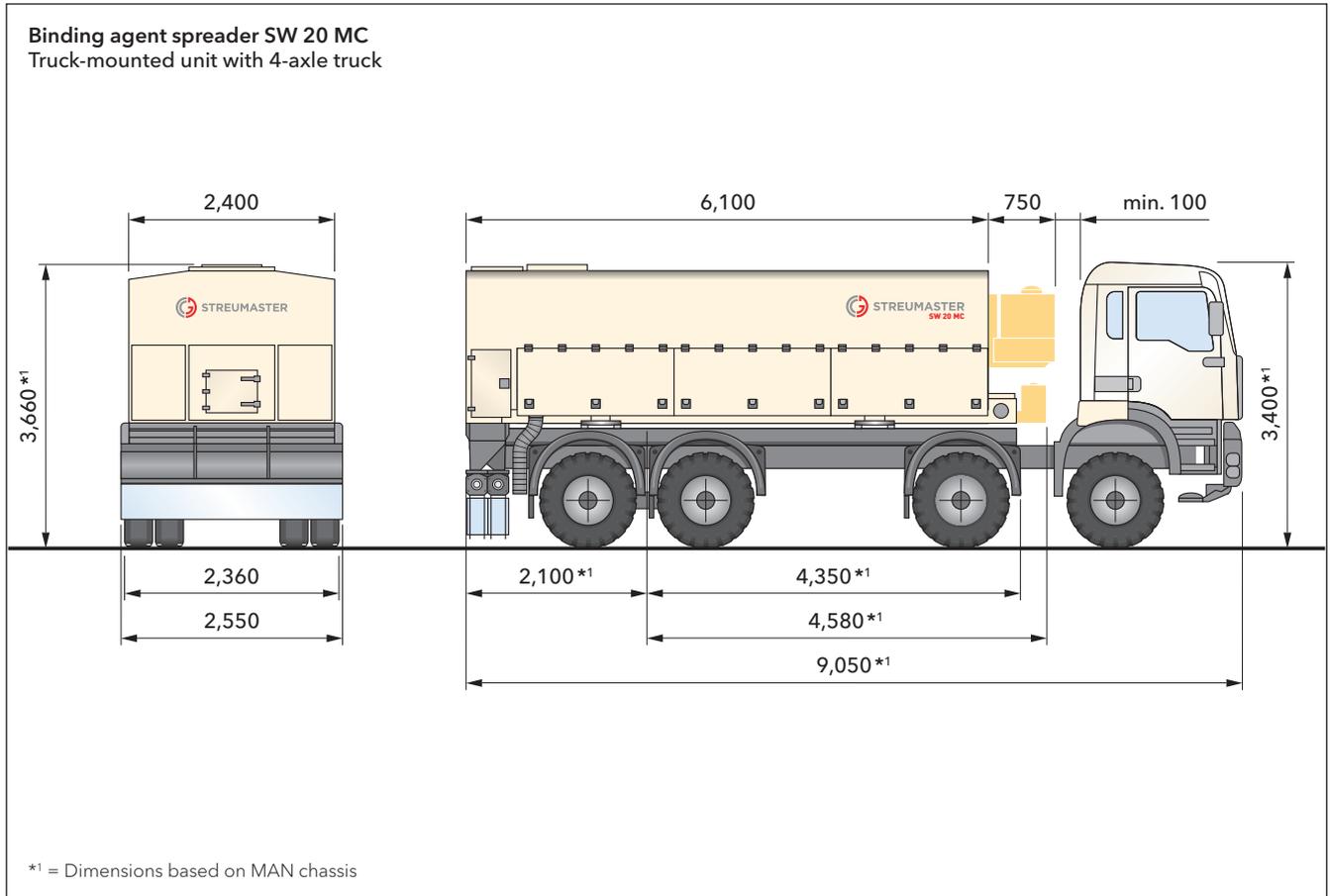


^{*1} = Dimensions based on MAN chassis
^{*2} = Frame extension with tow hitch (optional)

Dimensions in mm

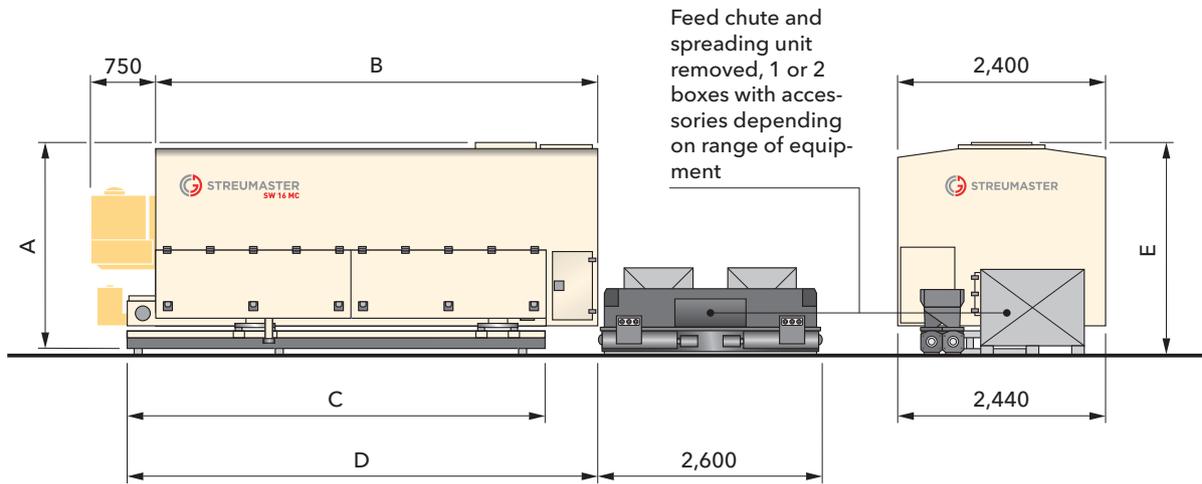
Dimensions

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Dimensions in mm

Shipping dimensions of binding agent spreaders SW 12 MC, SW 16 MC and SW 20 MC
(for truck-mounted unit only, excluding truck)



	A	B	C	D	E
SW 12 MC (truck-mounted unit for 2-axle truck)	2,140	4,600	4,380	4,980	2,240
SW 16 MC (truck-mounted unit for 3-axle truck)	2,420	5,100	4,880	5,480	2,520
SW 20 MC (truck-mounted unit for 4-axle truck)	2,420	6,100	5,880	6,480	2,520

Dimensions in mm

Equipment features

	SW 12 MC	SW 16 MC 3 axles	SW 20 MC
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	□	□	□
Filling device with stone sieve	■	■	■
Hydraulic slide gate	■	■	■
Feed chute with two sensor-controlled transverse augers	■	■	■
Sensor-controlled chain conveyor	■	■	■
Side underrun protection system *1	□	□	□
Drive system/Control system/On-board computer			
Closed on-board hydraulic system	■	■	■
Hydraulic oil cooler	■	■	■
"WeighTronic" electronic weighing device with automatic readjustment	□	□	□
Speed sensor mounted on the cardan shaft	■	■	■
Radar unit for speed detection	■	■	■
Control terminal	■	■	■
Continuous adjustment of the spread rate	■	■	■
Filling level indicator (container "full" or "empty")	■	■	■
Standard chain conveyor drive system on both sides	■	■	—
OptiPower chain conveyor drive system on both sides	—	□	■
Auxiliary engine for operation independent of the carrier vehicle or tractor	□	□	□

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

- = Standard equipment
- = Optional equipment
- = Not available

	SW 12 MC	SW 16 MC 3 axles	SW 20 MC
Spreading unit			
Spreading unit size DN 230-10 in rotary feeder design	■	■	■
Low-volume spreading unit size DN 230-20 in rotary feeder design	□	□	□
High-performance spreading unit size DN 410-17 in rotary feeder design	□	□	□
Self-cleaning metering feeders	■	■	■
Three separately controlled partial widths	■	■	■
Fully automatic metering independent of the travel speed	■	■	■
Miscellaneous			
Dust protection	■	■	■
Access ladder	■	■	■
Bag filter package	□	□	□
Filter system for automatic dust collection	□	□	□
Job data printer for documenting binder consumption and area treated	□	□	□
Rotary compressor for autonomous filling from a stationary silo and/ or for cleaning the machine	□	□	□
Monitor system for monitoring the working area behind the spreader	□	□	□
Lighting system with 4 LED working lights	□	□	□
Water spray system including water tank to reduce dust development during the spreading process	□	□	□
High-pressure cleaner including water tank	□	□	□
Collecting pan and digital suspended scales for checking the spread rate	■	■	■

■ = Standard equipment
 □ = Optional equipment
 — = Not available



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