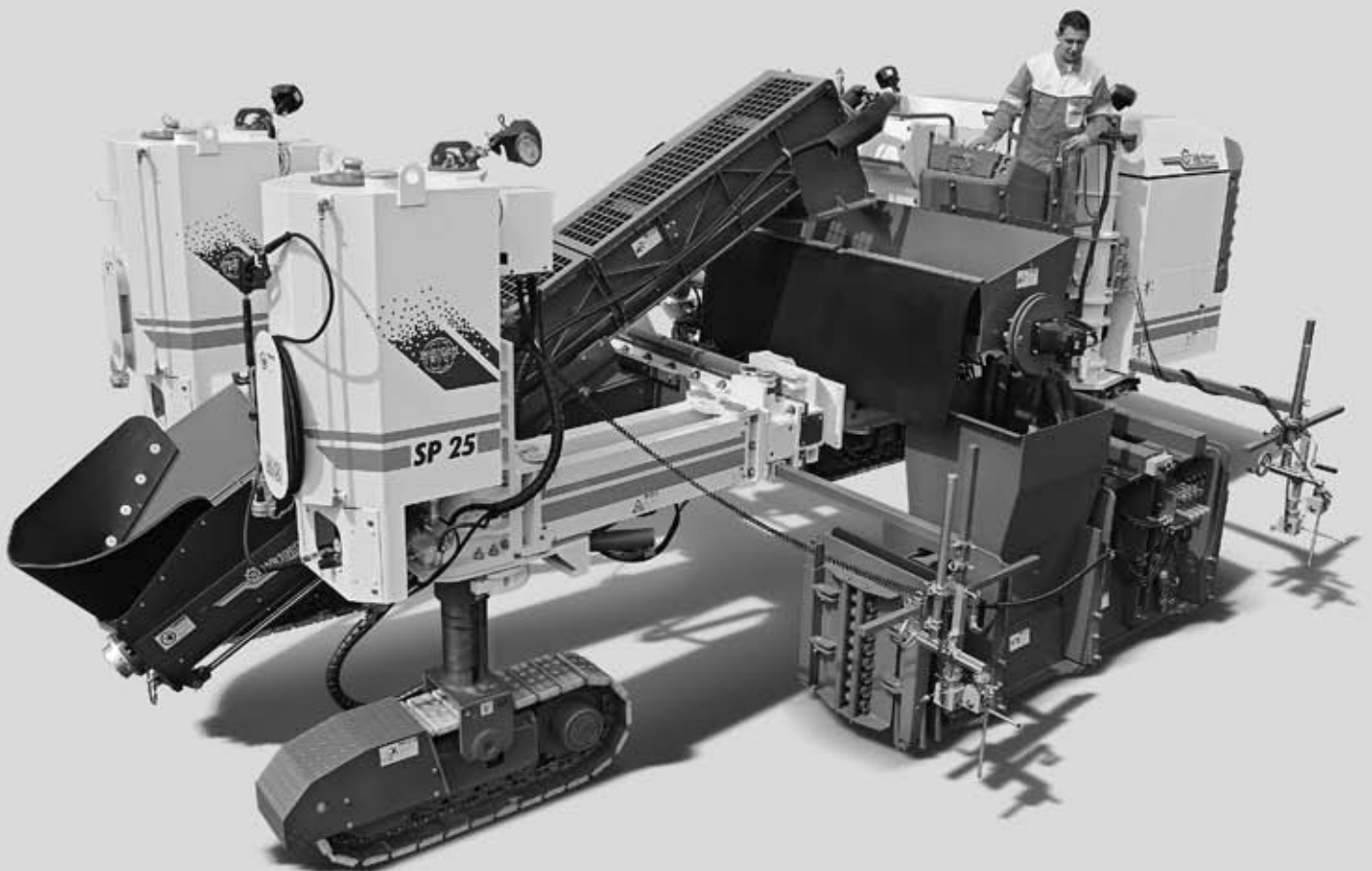




Technical specification

Slipform Paver SP 25



Technical specification

Slipform paver SP 25		
Concrete paving equipment	Offset application	Possible on left and right side Max. working width: 2,500 mm * ¹ Max. offset height: 2,000 mm * ¹
	Inset application (slab and track)	Max. working width: 2,500 mm (standard) Max. working width: 3,500 mm (optional)
Vibrators and circuits	Hydraulically driven vibrators	10 control loops (5 standard + 5 optional)
	Electrically driven vibrators	10 control loops (5 standard + 5 optional)
	Hydraulically driven vibrators	Straight and curved (optional)
	Electrically driven vibrators	Straight and curved (optional)
Concrete feeding	Belt conveyor	Standard
	Belt conveyor (folding design)	Optional
	Auger conveyor	Optional
	Cross-feeding auger	Optional
Offset mold	Positioning	Offset on left and right side
	Lateral telescoping of mold mount, mechanical	1,100 mm
	Lateral telescoping of mold mount, hydraulic	1,100 mm (optional)
	Height adjustment of mold (curb and gutter only)	Hydraulic, 400 mm (optional)
	Mold	To customer specification (optional)
Inset mold	Working widths	1,000 mm to 3,500 mm
	Spreading auger for inset mold	2,000 mm to 3,500 mm
Trimmer (optional)	Diameter with tools	500 mm
	Basic width	600 mm
	Extension elements	200 mm/400 mm * ²
	Max. width	1,600 mm * ²
	Max. trimming depth	150 mm
	Height adjustment	400 mm hydraulic / 375 mm mechanical
	Two-stage lateral telescoping	1,900 mm
Engine	Engine manufacturer	Deutz
	Type	TCD 2012 L06 2V AG3
	Cooling	Water
	Number of cylinders	6
	Rated power at 2,100 min ⁻¹	118 kW/160.4 PS/158.2 HP
	Displacement	6.057 l
	Fuel consumption, full load	32.0 l/h
	Fuel consumption, field mix	14.3 l/h
Emission standards	EPA Tier III, 2004/26/EC, Stage IIIa	

*¹ = Please consult factory for different offset geometries or special applications

*² = Please consult factory for special paving widths

		Slipform paver SP 25	
Electrical system	Supply voltage	24 V DC	
	Electric vibration (optional)	110 V AC 3~ / 200 Hz	
Filling capacities	Fuel tank	440 l	
	Hydraulic fluid tank	250 l	
	Water tanks (optional)	450 l + 450 l	
Driving characteristics	Paving speed	0–15 m/min	
	Travel speed	0–35 m/min	
Crawler tracks	Number	3 (standard); 4 (optional)	
	Positioning	2 rear, 1 front, 1 additional front (optional)	
	Dimensions (L x W x H)	1,580 x 300 x 540 mm	
	Connection to machine chassis, front	Rigid (standard) or pivoting (optional)	
	Connection to machine chassis, rear	2 x laterally telescoping	
Height adjustment	Hydraulic	1,000 mm	
	Mechanical (hole pattern)	560 mm	
Transport dimensions (L x W x H)	Machine (without belt conveyor / auger conveyor)	6,100 mm x 2,500 mm x 2,700 mm	
	Machine with belt conveyor	8,300 mm x 2,500 mm x 2,700 mm	
	Machine with auger conveyor	7,900 mm x 2,500 mm x 2,700 mm	
	Belt conveyor (without chute)	5,500 mm x 1,050 mm x 680 mm	
	Auger conveyor (without chute)	5,100 mm x 1,150 mm x 1,000 mm	
	Trimmer (without height adjustment)	2,300 mm x 800 mm x 800 mm	
Machine weights *3	Belt conveyor	850 daN (kg)	
	Belt conveyor in folding design	920 daN (kg)	
	Förderschnecke	1,300 daN (kg)	
	Cross-feeding auger	850 daN (kg)	
	Trimmer (600 mm basic unit), without height adjustment	1,300 daN (kg)	
		3 crawler tracks	4 crawler tracks
	Empty weight of machine (belt conveyor, without mold, without diesel / water)	13,000 daN (kg)	15,500 daN (kg)
	Operating weight of machine, CE *4 (belt conveyor, without mold)	13,600 daN (kg)	16,100 daN (kg)
	Max. weight of machine (auger conveyor, basic trimmer unit, shifting device, without mold)	16,000 daN (kg)	18,500 daN (kg)

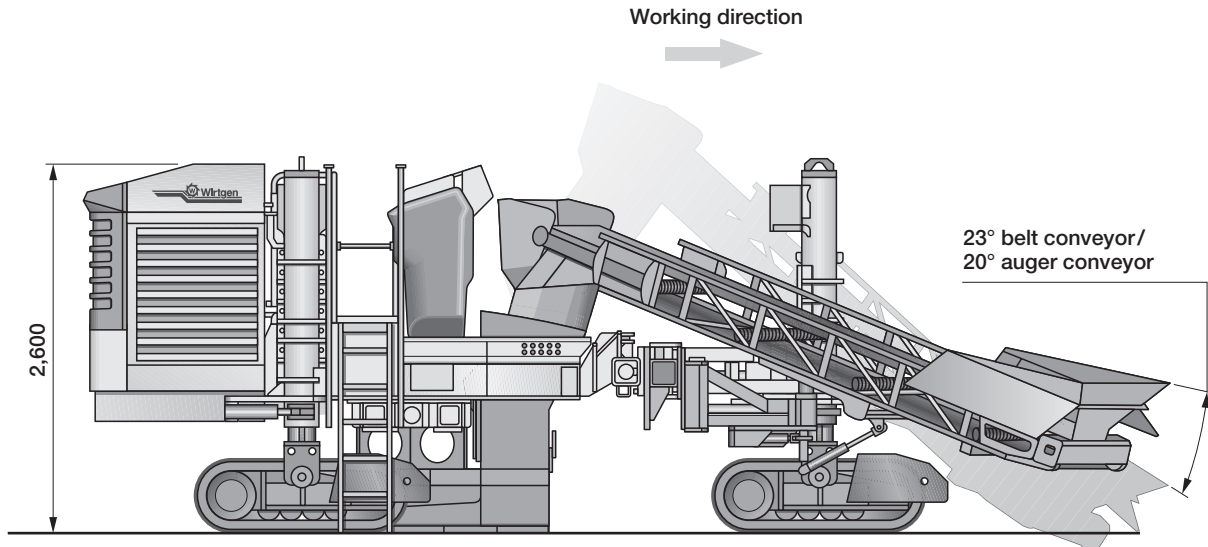
*3 = Weights depend on the machine's range of equipment and working width

*4 = Weight of machine with half-full water tank, half-full fuel tank, driver (75 kg) and on-board tools

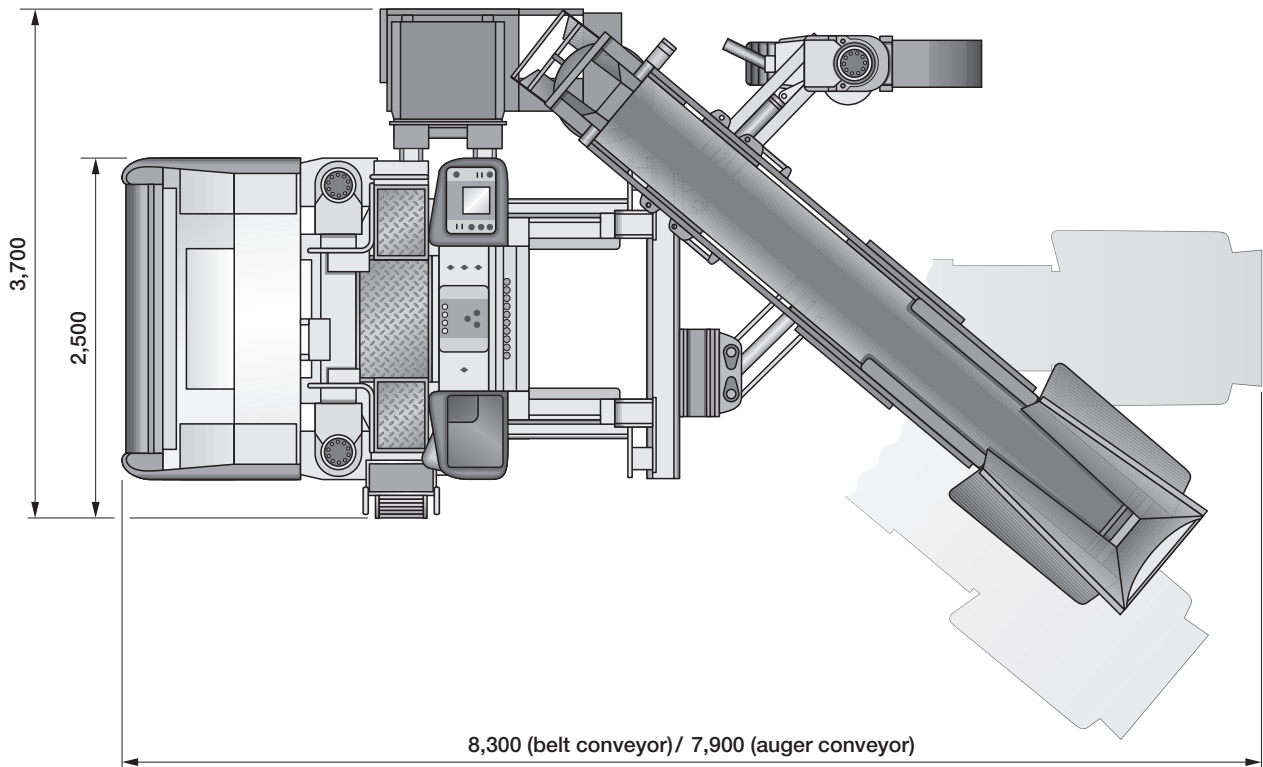
Slipform paver SP 25, offset machine

Dimensions in mm

Incline of feeding system



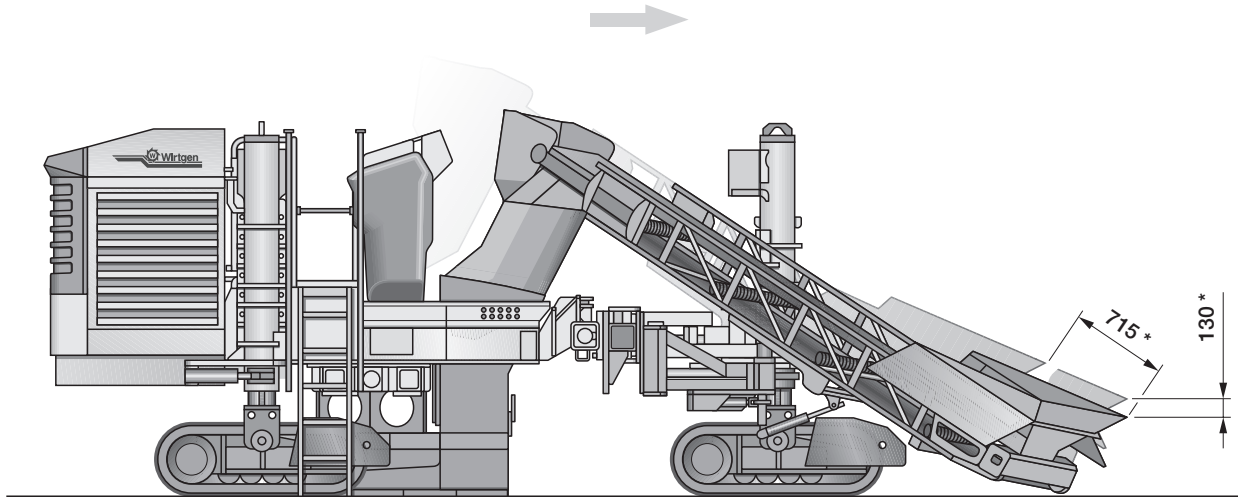
Transport dimensions with feeding system



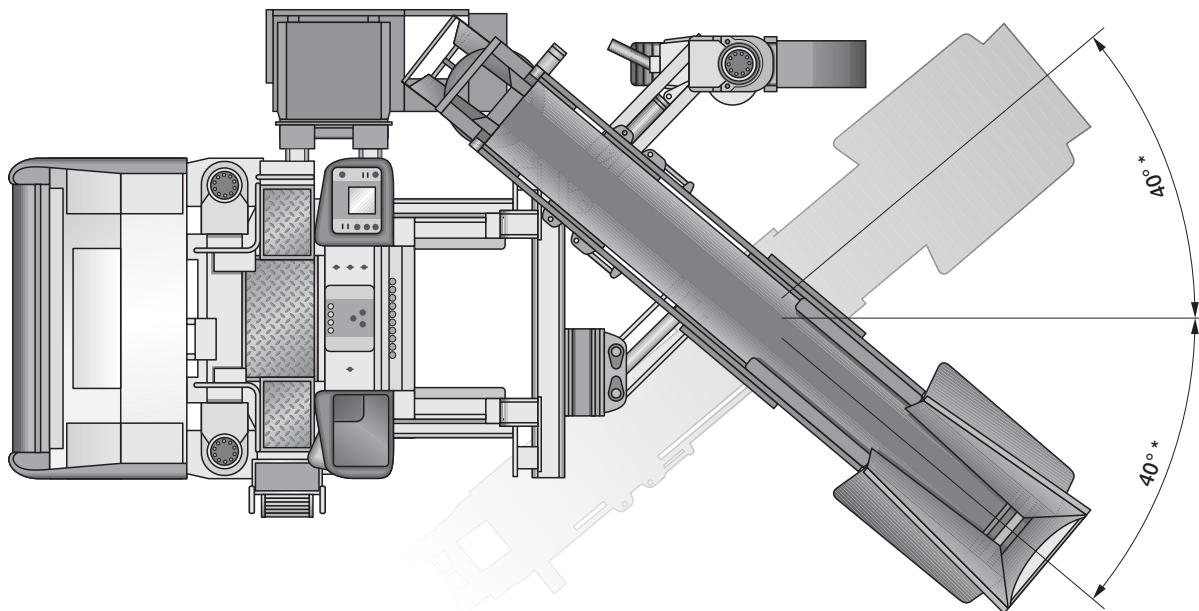
Slipform paver SP 25, offset machine
Dimensions in mm

Longitudinal movement and mechanical
vertical height adjustment of feeding system

Working direction

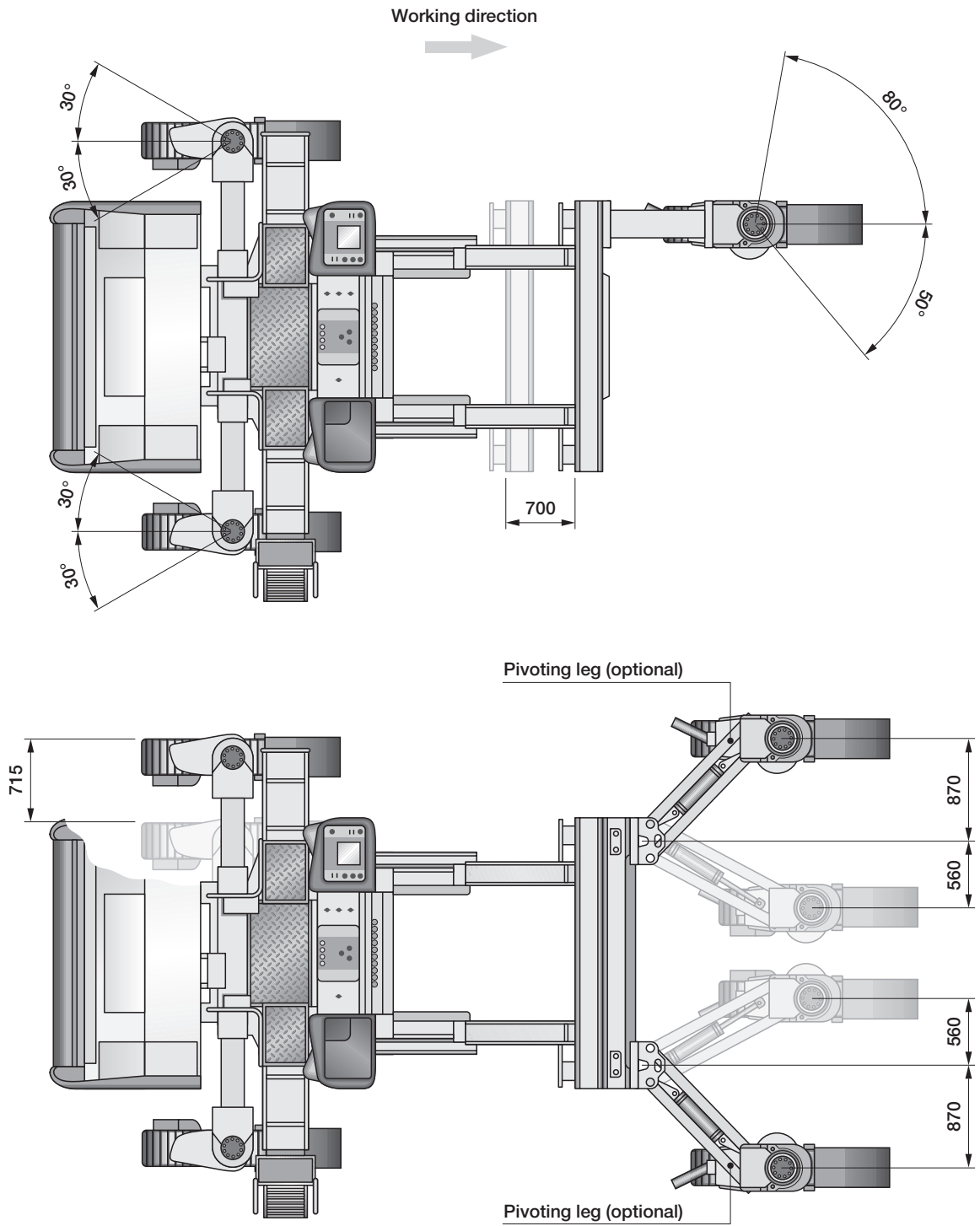


Slewing movement of feeding system

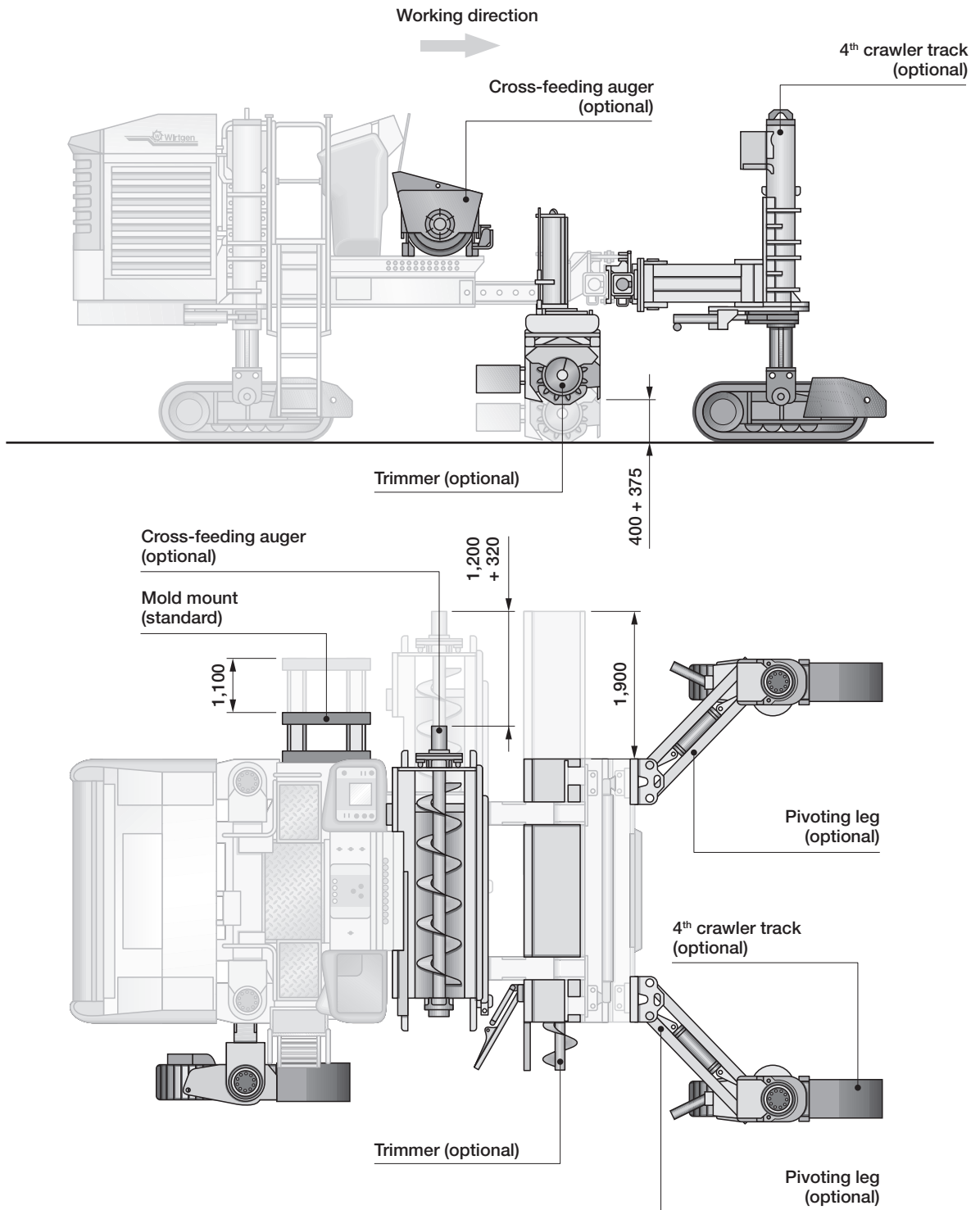


* = Details also applicable to auger conveyor

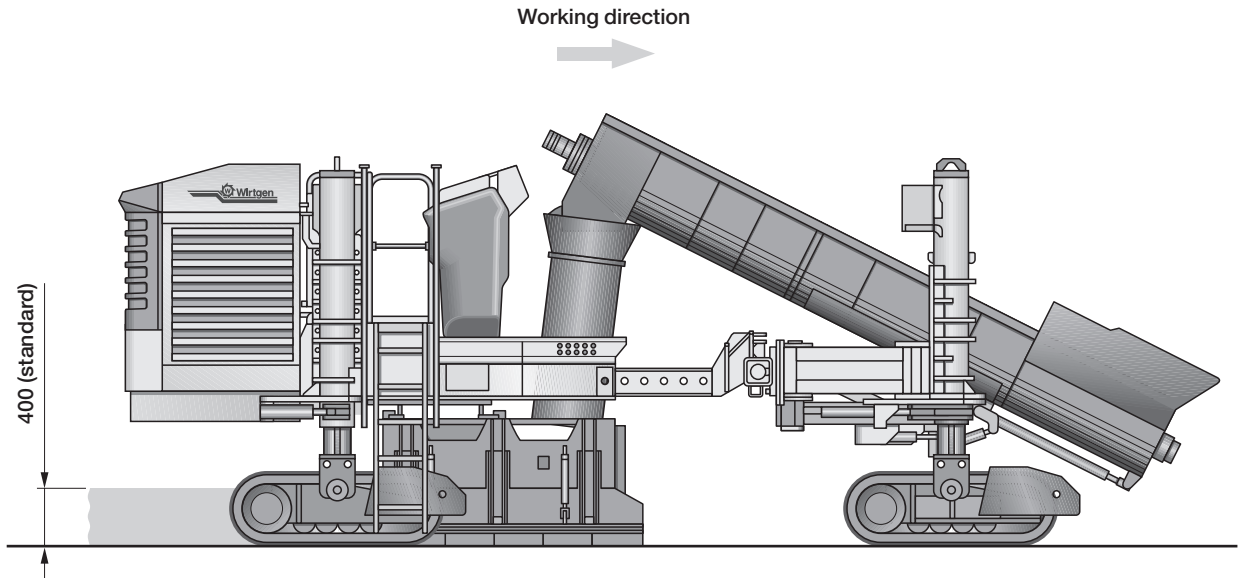
Slipform paver SP 25, positioning of track units and optional equipment
Dimensions in mm



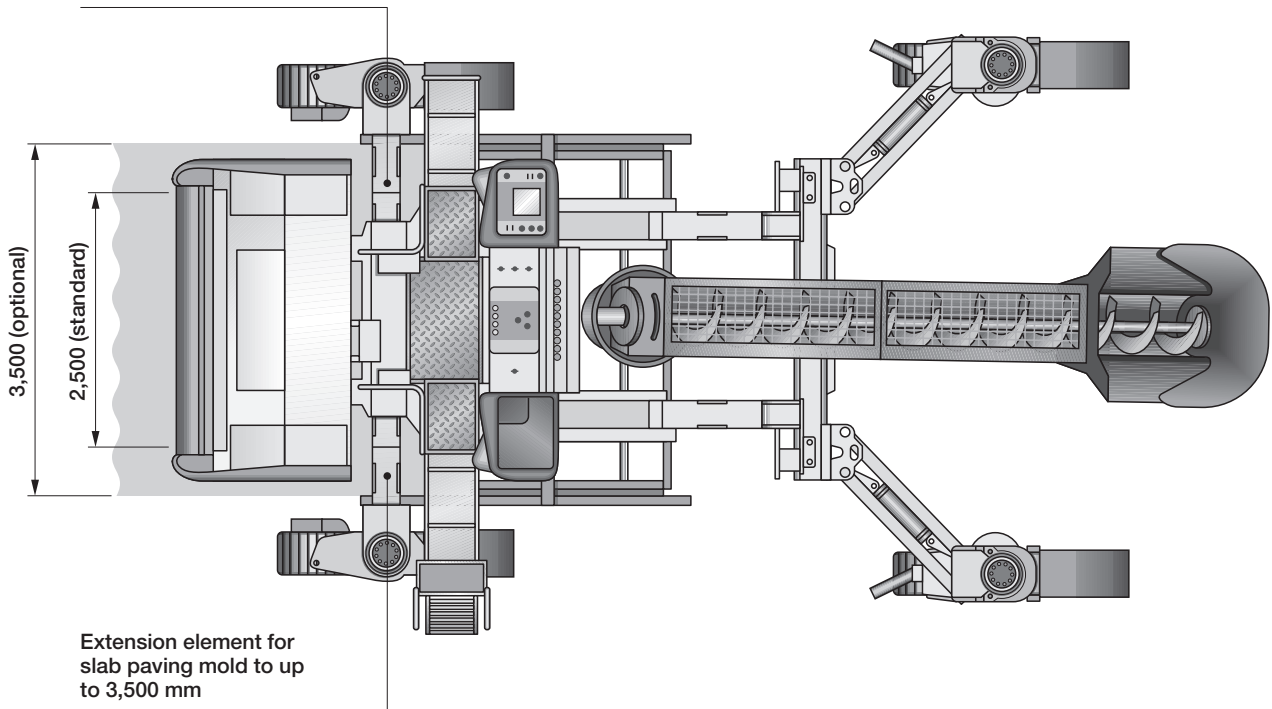
Slipform paver SP 25, optional equipment
 Dimensions in mm



Slipform paver SP 25 with concrete paving equipment for inset applications
Dimensions in mm



Extension element for
slab paving mold to up
to 3,500 mm

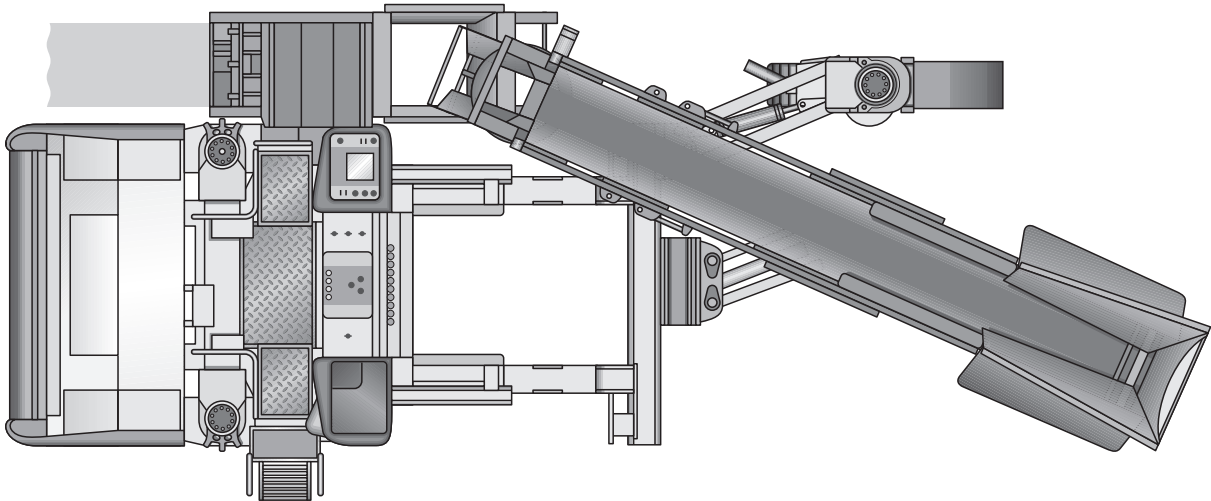


Application example of slipform paver SP 25

Dimensions in mm

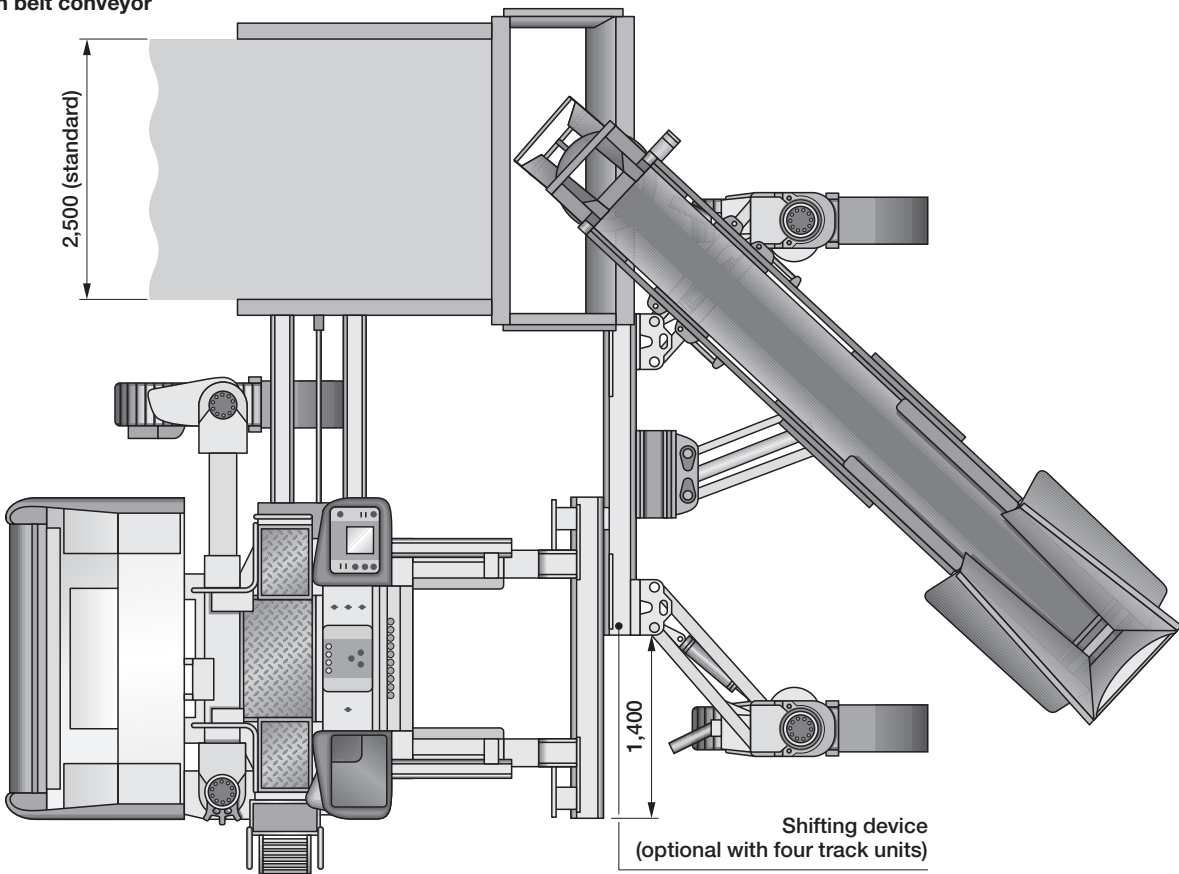
**3-tracked offset machine
with belt conveyor**

Working direction



**4-tracked offset machine
with belt conveyor**

2,500 (standard)

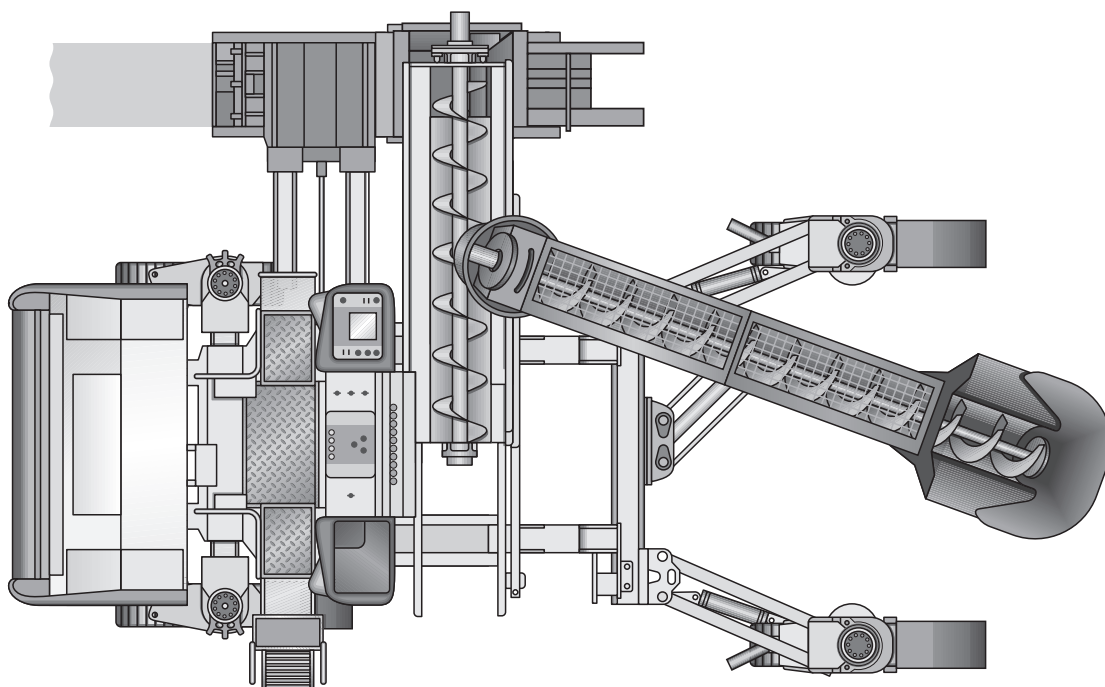
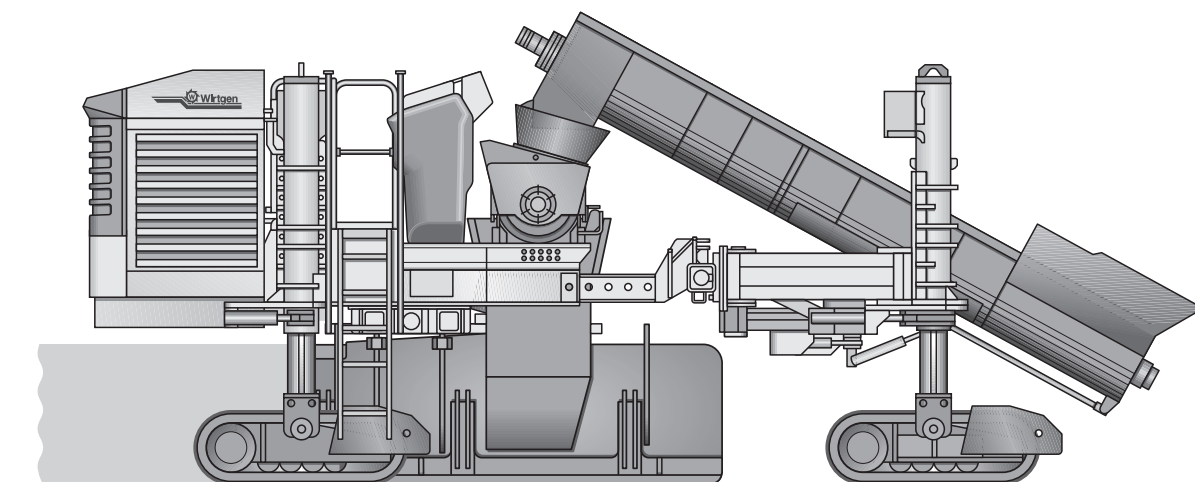


Shifting device
(optional with four track units)

Application example of slipform paver SP 25
Dimensions in mm

4-tracked offset machine
with cross-feeding auger

Working direction



Equipment features of slipform paver SP 25

Standard equipment:

Operator's platform

- ✔ Convenient control panel with practical switches
- ✔ Digital graphic screen with 8 touch buttons for displaying all major operating conditions and keying in job parameters
- ✔ Lockable control panel cover
- ✔ Cup holder
- ✔ Removable main control panel

Levelling

- ✔ Slope sensor for detection of the machine's cross slope
- ✔ Two level sensors
- ✔ Two steering sensors

Vibration

- ✔ 5 connections for hydraulic vibration (separately adjustable)

Chassis and height adjustment

- ✔ 3-fold height control with high-precision servo valve technology

Concrete delivery

- ✔ Belt conveyor
- ✔ Steel chute or steel/rubber chute

Mold

- ✔ Single-side mold mount for offset mold

Machine control

- ✔ Additional steering function for starting to drive paver along a stringline
- ✔ Additional steering function for turning the machine at minimum radius (coordinated)
- ✔ Automatic adjustment of engine speed to performance requirements (eco mode)
- ✔ Comfort feature for quick-starting all necessary paving functions following stand-by position
- ✔ Comfort feature for raising/lowering all posts
- ✔ Adaptive controller for driving through extremely tight radii
- ✔ Switching function to third steering sensor for driving through tight radii
- ✔ Emergency operation in case of screen failure
- ✔ Independent steering of crawler tracks for driving through extremely tight radii (Ackermann steering)
- ✔ A single PLC governs all machine functions
- ✔ Integrated engine controller for optimum engine control

Engine

- ✔ Anti-vibration engine support in rubber mounts
- ✔ Highly effective triple-circuit cooler for cooling water of engine, hydraulic oil and charge air
- ✔ Two large, pneumatically assisted service panels provide optimum access to engine station for maintenance procedures

Miscellaneous

- ✔ Lighting package with 3 halogen spotlights

Optional equipment:

Operator's platform

- ✔ Seating accommodation
- ✔ Sunshade
- ✔ Canopy (extendible / retractable)

Levelling

- ✔ 3D kit to support 3D control systems
- ✔ Additional level and steering sensor for driving through tight radii

Vibration

- ✔ 10 connections for hydraulic vibration
- ✔ 5 connections for electric vibration
- ✔ 10 connections for electric vibration
- ✔ Hydraulic vibrators
- ✔ Electric vibrators

Chassis and height adjustment

- ✔ Extremely wear-resistant polyurethane track pad equipment
- ✔ Adjustment to site conditions through one pivoting leg with integrated displacement system
- ✔ 4 track units plus second pair of pivoting legs with integrated displacement system

Concrete delivery

- ✔ Auger conveyor
- ✔ Belt conveyor in folding design

Mold

- ✔ Lateral telescoping of mold mount, hydraulic
- ✔ Hydraulic height adjustment of mold
- ✔ Adapter elements for bridging between mold and mold mount
- ✔ Adapter for accommodation of third-party molds
- ✔ Hydraulically operated quick-change mold mounting system
- ✔ Dual-side mold mount

Slab paving mold

- ✔ Slab paving mold from 1 m to 3.5 m
- ✔ Spreading auger for slab paving mold from 2 m to 3.5 m

Trimmer unit (optional)

- ✔ Standard width 600 mm (can be extended to up to 1,600 mm)
- ✔ Trimmer drum in welded box design
- ✔ Replaceable standard tools

Miscellaneous

- ✔ Special painting
- ✔ Lighting package with 3 Xenon spotlights
- ✔ High-pressure water cleaner
- ✔ Grade stakes and wire kit plus kit for paving radii (fibreglass rod)
- ✔ Water tanks of 450 l capacity each



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