

The new benchmark for perfection in concrete paving.

### Slipform Pavers SP 64 | SP 64i



# At a glance: outstanding features of the new SP 64/SP 64i

#### Highlights in concrete paving

#### 1 EXCEPTIONAL FLEXIBILITY IN CONCRETE PAVING

The slipform paver achieves perfection in the highly precise paving of standard concrete slabs at widths ranging from 2.0 m to 6.0 m and layer thicknesses of up to 450 mm. Paving widths of up to 7.5 m can be realized with paver configurations excluding dowel bar inserter (DBI) and electric vibrator drive.

#### TRIED-AND-TESTED SLAB PAVING MOULD

Metric inset slab paving moulds of the 910 m or 910 wm series are on offer. The 910 wm series is equipped with a wearing pan in standard design and central crown as an optional feature.

#### 31 MACHINE-INTEGRATED INSERTION OF STEEL REINFORCEMENT

A self-loading dowel bar inserter, central tie bar inserter(s) and side tie bar inserter(s) are available as optional features in accordance with customer requirements.

#### 4 OPTIONS IN CONCRETE COMPACTION

Depending on customer requirements, the paver can be equipped with a hydraulic or electric vibrator drive. In standard design, it comes with 6 hydraulic connectors (optionally 12 or 18) but can optionally be fitted with 18 electric connectors.

### Highlights in engine technology and operation

#### 5 | EFFICIENT ENGINE MANAGEMENT

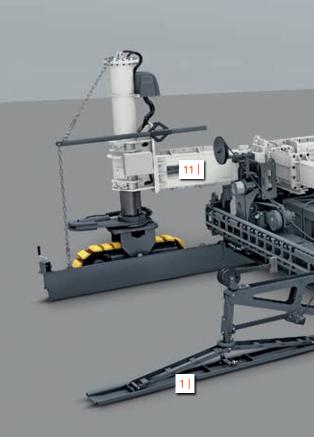
The ECO MODE feature automatically adjusts the engine output to the current performance requirements, thus ensuring reduced diesel consumption and low noise emission levels.

#### 6 STATE-OF-THE-ART ENGINE TECHNOLOGY

The SP 64 features state-of-the-art, high-performance engine technology (155 kW/208 HP/211 PS) complying with exhaust emission standards EU Stage 3a/US Tier 3. The SP 64i features state-of-the-art, high-performance engine technology (180 kW/241 HP/245 PS) complying with exhaust emission standards EU Stage 4/US Tier 4f.

#### PERFECT ERGONOMIC DESIGN AND HANDLING

Relaxed working is ensured by the ergonomically designed workplace offering a user-friendly operating concept and perfect visibility.



#### Highlights in machine control

#### 8 HIGHLY PRECISE STEERING AND DRIVE SYSTEMS

Intelligent steering and control systems for exceedingly quiet operation even in narrow bends guarantee precision in concrete paving.

#### Highlights in modular design

#### 11 FULLY MODULAR MACHINE DESIGN

The paver's fully modular design is synonymous with flexible modification, easy retrofitting of customer options and application-specific adjustment to site conditions. It is even possible to convert the paver to the offset configuration of the SP 61 / SP 611.

#### 12 INTELLIGENT TRANSPORT CONCEPT

Compact dimensions and minimum modification requirements ensure ease of loading and cost-effective transport. The paver's hydraulically operated pivoting legs are a major contributor to reducing the effort required for machine setup on site.



#### 91 MACHINE CONTROL SYSTEMS FEATURING ADVANCED INTELLIGENCE

10 FIELD-PROVEN 3D INTERFACE

The standardized interface for quick, targeted service diagnostics and the state-of-the-art WITOS telematics system increase efficiency in everyday operation. The field-proven interface guarantees tested compatibility with the 3D control systems of leading suppliers.

### **Technical specification**

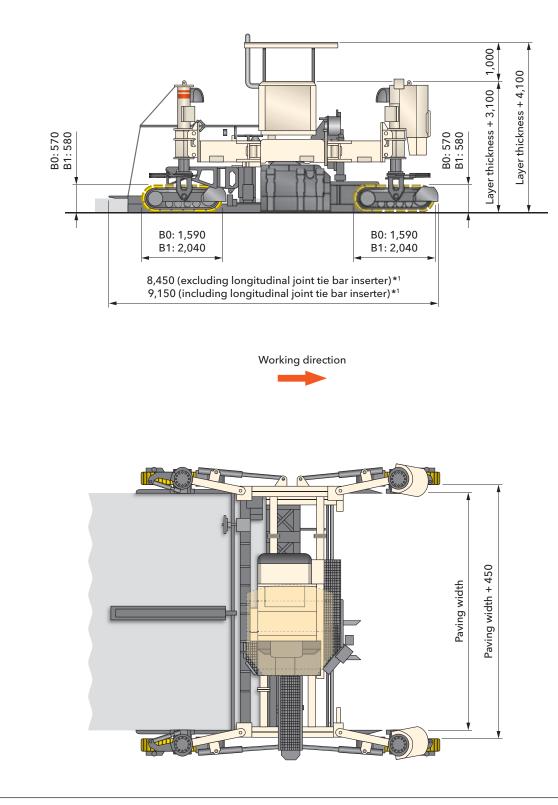
	SP 64	SP 64i
Range of applications		
Slab paving application without central crown	paving width: 2.00 to 6.00 m*1 layer thickness: up to 450 mm*1	
Slab paving application with central crown	paving width: 3.50 to 6.00 m ** layer thickness: up to 450 mm *1	
Concrete spreading		
Spreading auger	modular extensio	on to up to 6.00 m
Spreading plough	modular extensio	on to up to 6.00 m
Slab paving equipment		
Slab paving mould type 910 m (excluding wearing pan, excluding crown function)	modular extensio	n to up to 6.00 m
Slab paving mould type 910 wm (including wearing pan, including or excluding crown function)	modular extensio	n to up to 6.00 m
Dowel bar inserter (DBI)	modular extensio	on to up to 6.00 m
Oscillating beam	modular extensio	on to up to 6.00 m
Super smoother	modular extension to up to 6.00 m	
Longitudinal joint tie bar inserter	1	
Side tie bar inserter	right and/or left	
Vibrators and circuits		
Hydraulic vibration	6 connectors (optiona	l 12 or 18 connectors)
Electric vibration	18 connectors	
Hydraulically driven vibrators	curved (D66)	
Electrically driven vibrators	curvec	l (D76)
Engine		
Engine manufacturer	Deutz	Deutz
Туре	TCD 2012 L06 2V	TCD 6.1 L6
Cooling	water	water
Number of cylinders	6	6
Rated power at 2,100 min <sup>-1</sup>	155 kW/208 HP/211 PS	180 kW/241 HP/245 PS
Displacement	6,057 cm <sup>3</sup>	6,057 cm <sup>3</sup>
Fuel consumption, full load	42 l/h	46 l/h
Fuel consumption, $^{2}/_{3}$ load	17 l/h	18 l/h
Exhaust emission standards	EU Stage 3a/US Tier 3	EU Stage 4/US Tier 4f

	SP 64	SP 64i
Electrical system		
Electrical power supply	24 V DC	
Electric vibration	110 V AC 3~/200 Hz	
Tank capacities		
Fuel tank	400 I	400 I
Adblue®/DEF tank	-	32
Hydraulic oil tank, electric vibration	200	200
Hydraulic oil tank, hydraulic vibration	400 l	400 I
Water tank	500   + 500	500   + 500
Driving properties		
Paving speed	B0: 0 to 6 m/min,	, B1: 0 to 7 m/min
Travel speed in travel gear	B0: 0 to 21 m/min,	B1: 0 to 23.5 m/min
Crawler units		
Number		4
Type B0: dimensions (L x W x H)	1,490 x 300 x 570 mm	
Type B1: dimensions (L x W x H)	2,040 x 300 x 580 mm	
Height adjustment		
Hydraulic	1,100	0 mm
Mechanical	420	mm
Central crown		
Variable adjustment range	for paving widths of 2.0	00 to 6.00 m: max. 3 %* <sup>2</sup>
Transport dimensions (L x W x H)		
<b>Paving width 3.50 m:</b> Machine including slab paving mould type 910 m/910 wm, including spreading plough, oscillating beam and super smoother	9,000 x 3,000	0 x 3,100 mm
<b>Paving width 6.00 m:</b> Machine including slab paving mould type 910 m/910 wm, including spreading plough, oscillating beam and super smoother	11,500 x 3,00	00 x 3,100 mm
Machine weights		
Operating weight CE (including slab paving mould type 910 m), 3.50 m	19,00	0 kg*³
Machine weight	17,100 to 4	15,000 kg*³

\*1 = Please consult factory for special paving widths, layer thicknesses and optional equipment features
\*2 = Values within standard transport height; please consult factory for special dimensions
\*3 = Weights depend on the machine's range of equipment and paving width

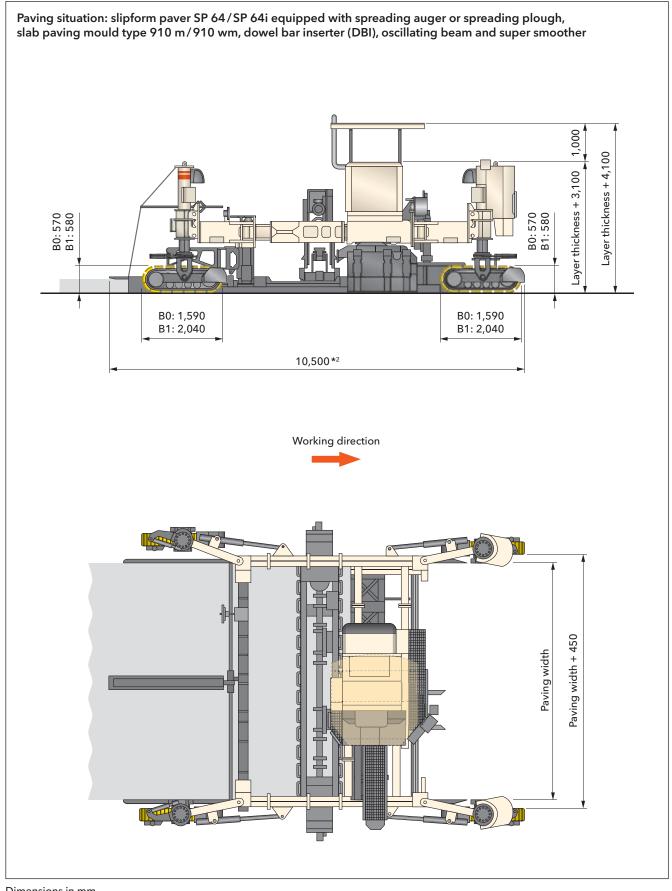
### Dimensions

Paving situation: slipform paver SP 64/SP 64i equipped with spreading auger or spreading plough, slab paving mould type 910 m/910 wm, oscillating beam and super smoother



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 $^{*1}$  = Longitudinal joint tie bar inserter (pivotable) and side tie bar inserter not shown



Dimensions in mm \*<sup>2</sup> = Applies to standard longitudinal joint tie bar inserter (non-pivotable)

### **Standard equipment**

	SP 64	SP 64i
Base machine		
Cooling system with temperature-controlled fan speed		
Electrical system 24 V		
Fuel tank 400 l		
Hydraulic system with an adequately sized hydraulic oil tank and a pump splitter gearbox with 2 output shafts and the pumps required for the basic equipment of the machine.	•	•
Main frame and height adjustment		
With a large number of fixation points, the chassis is prepared for modular supplementing with various machine functions	-	-
Robust steel frame, telescoping in stages by total 875 mm on both sides to the front and to the rear; can be optionally extended by fixed extension pieces	•	•
It is possible to connect concrete equipment between 2.00 m and 6.00 m to the frame, with optional extension to working widths up to 7.50 m	•	-
Chassis components for step-by-step mechanical telescoping for working widths up to 4.00 m		
Crawler unit and crawler unit connections		
Paving speed: crawler unit type B0: 0 to 6 m/min; type B1: 0 to 7 m/min		
Travelling speed: crawler unit type B0: 0 to 21 m/min, type B1: 0 to 23.5 m/min		
Four levelling hydraulic cylinders with 1,100 mm stroke		
Version with four crawler units type B0 with 1,000 mm height adjustment, 300 mm wide		
Version with two manually slewing crawler unit connections each at front and rear		
Machine control and levelling and steering		
WI-CONTROL - the high-quality control for optimum interaction between all machine functions		
Fault messages are shown on the machine display		
The existing CAN bus system can be expanded for the specific customer		
Eco mode: Engine management optimised acc. to demand for reduced diesel consumption and low noise emissions	•	•
Proportional electrohydraulic levelling and steering by PLC system including 4 levelling sensors and 2 steering sensors	•	-
Sensor mountings adjustable in height and range		
Optimum lateral tilt control by Smooth-Slope		
Automated recognition of the particular machine configuration enables simple orientation for the operator		
Cylinder steering for machine eqiupped with 4 crawler units type B0		

Standard equipment
Standard equipment, replaceable with optional equipment
Optional equipment

	SP 64	SP 64i
Vibration		
Hydraulic vibrator drive inset for max. 18 vibrators		
6x bent vibrators D66, hydraulically driven		
Concrete equipment for carriageway paving		
Mould boards series 910 m, without crown profile - basic width 3.50 m		
One-piece sideplates for paving mould series 910 m/910 wm		
Operator's stand		
Ergonomic operator's stand with optimum view of the paving process		
Control panel 1 for setting up the machine according to the field		
Control panel 2 with multi-function control display, providing a menu for the operator giving all necessary machine parameters and allowing settings to be made. This can be adapted to all travel directions and paving configurations	•	•
Ergonomic operation on two control panels with clear language-independent symbols		
One of the control panels can be stored in the engine station; the second control panel be protected against vandalism and weather using lockable covers	•	•
Others		
Machine preparation for installing the control unit for WITOS FleetView. "WIRTGEN Road Technologies Telematics and on-site Solutions" (WITOS) is the intelligent telematics system of the WIRTGEN Road Technologies for efficient fleet and service management worldwide.	_	•
Large tool package in lockable tool box		
Extensive safety package with EMERGENCY STOP switches		
Filling of the machine hydraulics with mineral hydraulic oil		
Paint standard cream white RAL 9001		
Lighting package with 4 halogen spotlights, 24 V		

# **Optional equipment**

	SP 64	SP 64i
Main frame and height adjustment		
Chassis components for continuous hydraulic telescoping for working widths up to 6.00 m		
Crawler unit and crawler unit connections		
Version with four crawler unit tracks type B0 with polyurethane track pads		
Version with four crawler units type B0 with 1000 mm height adjustment, 300 mm wide		
Version with four crawler unit tracks type B0 with polyurethane track pads		
Version with two hydraulically slewing crawler unit connections each at front and rear		
Machine control and levelling and steering		
Cylinder steering for machine eqiupped with 4 crawler units type B1		
Slab tracer, 2 pcs		
Slab tracer, 4 pcs		
Control unit for manual crawler unit steering		
Pre-equipment for 3D levelling		
Concrete spreading for road surface paving		
Spreader auger without crown profile - basic width 3.50 m		
Split spreader auger with/without crown profile - basic width 3.50 m		
Spreader plough - basic width 3.50 m		
Spreader auger - extension element 0.25 m, clockwise pitch		
Spreader auger - extension element 0.50 m, clockwise pitch		
Spreader auger - extension element 0.75 m, clockwise pitch		
Spreader auger - extension element 1.00 m, clockwise pitch		
Spreader auger - extension element 0.25 m, counterclockwise pitch		
Spreader auger - extension element 0.50 m, counterclockwise pitch		
Spreader auger - extension element 0.75 m, counterclockwise pitch		
Spreader auger - extension element 1.00 m, counterclockwise pitch		
Spreader plough - extension element 0.25 m		
Spreader plough - extension element 0.50 m		
Spreader plough - extension element 0.75 m		
Spreader plough - extension element 1.00 m		

= Standard equipment
= Standard equipment, replaceable with optional equipment
= Optional equipment

	SP 64	SP 64i
Vibration		
Hydraulic vibrator drive for max. 18 vibrators		
Electric vibrator drive with 40 kVA generator for max. 18 vibrators		
6x bent vibrators D76, electrically driven		
Straight vibrator D66, hydraulically driven		
Straight vibrator D66, electrically driven		
Concrete equipment for carriageway paving		
Metering gate for paving mould without crown profile - basic width 3.50 m		
Split metering gate for paving mould with/without crown profile - basic width 3.50 m		
Automatic metering gate control for concrete paving mould		
Mould boards series 910 wm, without crown profile - basic width 3.50 m		
Paving mould series 910 wm, with/without crown profile - basic width 3.50 m		
Split sideplates for paving mould series 910 m/910 wm		
Longitudinal tie-bar inserter for tie-bars ø 12 - 25 mm, length 400 - 800 mm		
Automatic dowel-bar inserter (DBI) for use without crown profile - basic width 3.50 m - mechanically telescoping		
Automatic dowel-bar inserter (DBI) for use without crown profile - basic width 3.50 m - hydraulically telescoping		
Automatic dowel-bar inserter (DBI) for use with crown profile - basic width 4.00 m - mechanically telescoping		
Automatic dowel-bar inserter (DBI) for use with crown profile - basic width 4.00 m - hydraulically telescoping		
Base group for dowel-bar inserter (DBI) for paving width up to 3.50 m		
Base group for dowel-bar inserter (DBI) for paving width up to 4.00 m		
Base group for dowel-bar inserter (DBI) for paving width up to 5.00 m		
Base group for dowel-bar inserter (DBI) for paving width up to 6.00 m		
Electronic control for dowel-bar inserter (DBI) and longitudinal tie-bar inserter (TBI) + chassis extension pieces for dowel-bar inserter (DBI)		

## **Optional equipment**

	SP 64	SP 64i
Concrete equipment for carriageway paving		
Electronic control for dowel-bar inserter (DBI) and longitudinal tie-bar inserter (TBI) + chassis extension pieces for longitudinal tie-bar inserter (TBI)		
Electrical control for dowel-bar inserter (DBI) and longitudinal tie-bar inserter (TBI) + chassis extension pieces for dowel-bar inserter (DBI) and longitudinal tie-bar inserter (TBI)		
Oscillating beam without crown profile - basic width 3.50 m		
Oscillating beam with/without crown profile - basic width 3.50 m		
Super smoother - basic width 3.50 m/12 ft		
1 side tie-bar inserter for straight tie-bars, max. ø 20 mm, length 800 mm		
2 side tie-bar inserters for straight tie-bars, max. ø 20 mm, length 800 mm		
Metering gate - extension element 0.25 m		
Metering gate - extension element 0.50 m		
Metering gate - extension element 0.75 m		
Metering gate - extension element 1.00 m		
Mould boards series 900 m/910 m - extension element 0.25 m wide		
Mould boards series 910 m - extension element 0.50 m wide		
Mould boards series 910 m - extension element 0.75 m wide		
Mould boards series 910 m - extension element 1.00 m wide		
Paving mould series 910 wm - extension element 0.25 m wide		
Paving mould series 910 wm - extension element 0.50 m wide		

	SP 64	SP 64i
Concrete equipment for carriageway paving		
Mould boards series 910 m - extension element 0.75 m wide		
Mould boards series 910 m - extension element 1.00 m wide		
Paving mould series 910 wm - extension element 0.25 m wide		
Paving mould series 910 wm - extension element 0.50 m wide		
Paving mould series 910 wm - extension element 0.75 m wide		
Paving mould series 910 wm - extension element 1.00 m wide		
Dowel bar inserter (DBI) - extension element 0.25 m		
Dowel-bar inserter (DBI) - extension element 0.50 m		
Dowel bar inserter (DBI) - extension element 0.75 m		
Dowel bar inserter (DBI) - extension element 1.00 m		
Load blocks as conversion aid for altering the width of the dowel-bar inserter (DBI)		
Transport frame for oscillating beam and super smoother as transport unit		
Oscillating beam - extension element 0.25 m		
Oscillating beam - extension element 0.50 m		
Oscillating beam - extension element 0.75 m		
Oscillating beam - extension element 1.00 m		
Super smoother - extension element 0.25 m		
Super smoother - extension element 0.50 m		
Super smoother - extension element 0.75 m		
Super smoother - extension element 1.00 m		
Super smoother - extension element 2.00 m		

## **Optional equipment**

	SP 64	SP 64i
Concrete spreading for offset paving		
Belt conveyor 5.90 m x 0.60 m with reversible hydraulic drive, hydraulically adjustable		
Belt conveyor 6.00 m x 0.60 m, folding, with reversible hydraulic drive, hydraulically adjustable		
Auger conveyor 4.60 m x 0.40 m with reversible hydraulic drive, hydraulically adjustable		
Auger conveyor 5.70 m x 0.40 m with reversible hydraulic drive		
Steel chute		
Steel/rubber chute		
Concrete equipment for offset paving		
1 set of hydraulic components for adjusting the sideplate of EV offset mould boards		
Height adapter rigid for split offset paving mould 0.90 m tall		
Offset paving mould up to 0.60 m wide (max. 0.40 m tall) (Note form TEI#2170960)		
Offset paving mould from 0.60 m to 1.20 m wide (max. 0.40 m tall) (Note form TEI#2170960)		
Offset paving mould from 1.20 m to 1.80 m wide (max. 0.40 m tall) (Note form TEI#2170960)		
Offset mould board up to 0.90 m tall (max. 0.60 m base width), incl. hopper (Note form TEI#2170960)		
Offset mould board up to 1.20 m tall (max. 0.60 m base width), incl. hopper (Note form TEI#2170960)		
Split offset paving mould up to 0.60 m wide (max. 0.40 m tall) (Note form TEI#2170960)		
Split offset paving mould from 0.60 m to 1.20 m wide (max. 0.40 m tall) (Note form TEI#2170960)		
Lower part for offset paving mould of a split moulds up to 0.60 m wide (max. 0.40 m tall)		
Lower part for offset paving mould of a split moulds from 0.60 m to 1.20 m wide (max. 0.40 m tall)		
Operator's stand		
Weather canopy for operator's stand, manually folding		
Walkway 0.50 m wide, working width 6.00 m		

	SP 64	SP 64i
Others		
Paint in one special colour (RAL)		
Paint in two special colours (RAL)		
Paint in maximum two special colours with substructure in special colour (RAL)		
High-performance lighting package with 8 LED spotlights, 24 V		
Hydraulic high-pressure water cleaner unit, 500 litre steel tank		
Additional electrical water pump 24 V with 10.00 m hose and spray gun with handle		
Additional water tank steel, 500 litres additionally		
Self-levelling for transporting		
Rotary beacon halogen 24 V with magnet base		
Flashing light 24 V with magnet base		
Paving Plus package		
Two lighting ballons 230 V, including a generator		
High-performance lighting package with 4 LED working lights, 24 V		
Crane system, chain drive		
Crane system, hydraulic drive		
Additional control unit for setting the crawler units		
Wire tensioning system, complete with 1,000 m steel wire		
Second tensioning winch for levelling the machine using two wire ropes		
Wire tensioning system, complete with 4x 300 m nylon rope		-
WITOS FleetView telematics system incl. 3-year operating period	-	
Daily rate for startup		
Export packing		



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