

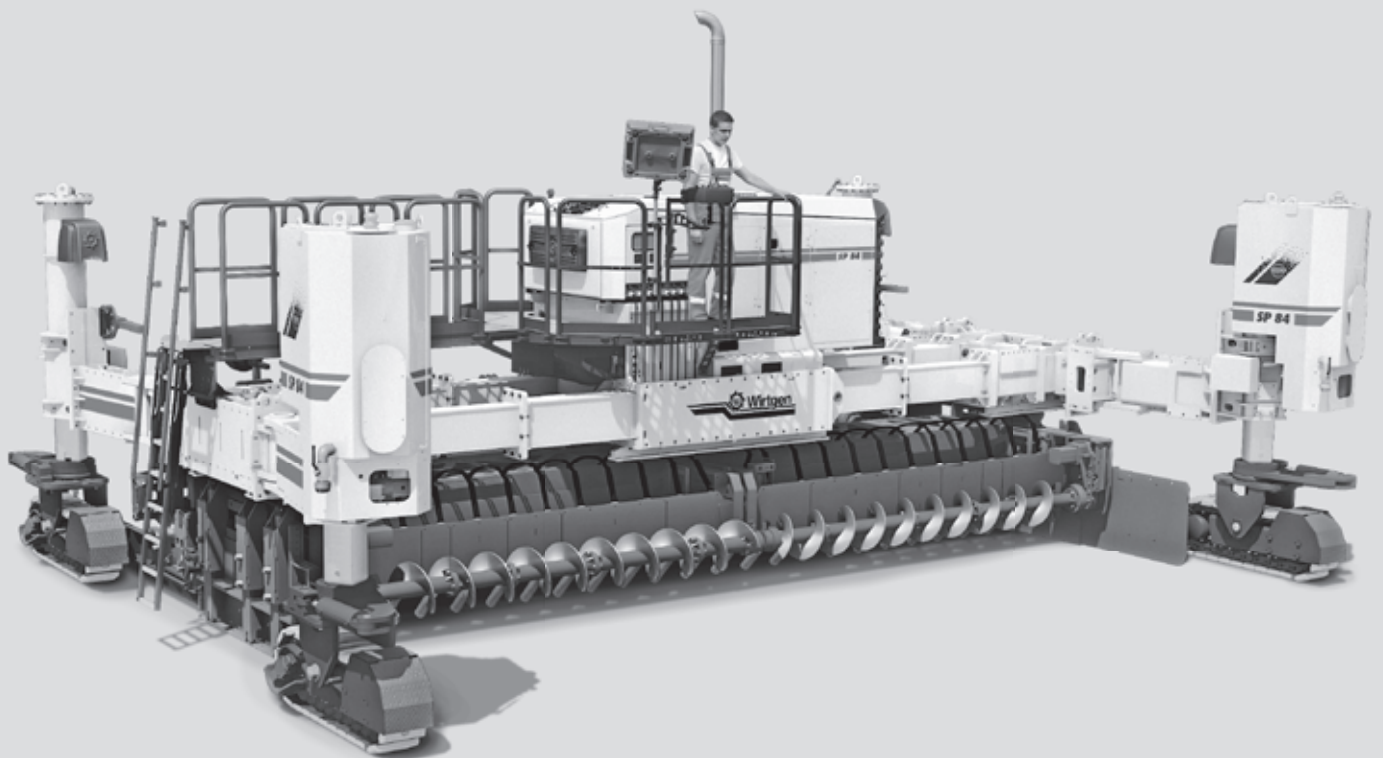


Technical specification

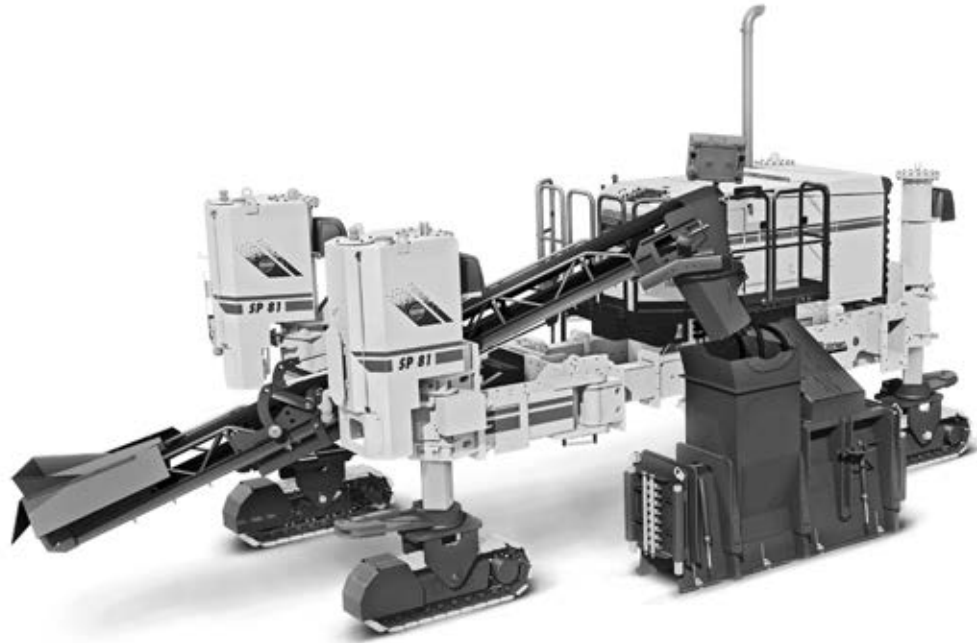
Slipform Pavers

SP 80 series

SP 81 | SP 81i | SP 82 | SP 82i | SP 84 | SP 84i



Slipform paver of the SP 80 series in offset configuration



	Slipform pavers SP 81 and SP 81i	
Engine	SP 81	SP 81i
Engine manufacturer	Deutz	Deutz
Type	TCD 2012 L06 2V	TCD 6.1 L6
Cooling	water	water
Number of cylinders	6	6
Rated power at 2,300 min ⁻¹	155 kW/208 HP/211 PS	160 kW/215 HP/218 PS
Displacement	369.5 in ³ 6,057 cm ³	369.5 in ³ 6,057 cm ³
Fuel consumption, full load	11.1 gal/h 42 l/h	11.6 gal/h 44 l/h
Fuel consumption, field mix	4.5 gal/h 17 l/h	4.8 gal/h 18 l/h
Emission standards	EC Stage 3a / US Tier 3	EC Stage 3b / US Tier 4i
Tank capacities		
Fuel tank	120 gal 455 l	
Hydraulic oil tank, min.	70 gal 265 l	
Water tank, min.	135 gal 505 l	
Driving properties		
Paving speed	0–40 ft/min 0–12 m/min	
Travel speed	0–100 ft/min 0–30 m/min	
Crawler tracks		
Number	3 (standard); 4 (optional)	
Type B1: Dimensions (L x W x H)	5' 4" x 12" x 23" 1,635 x 300 x 595 mm	
Height adjustment		
Hydraulic	39" 1,000 mm	
Mechanical (hole pattern)	19" 470 mm	

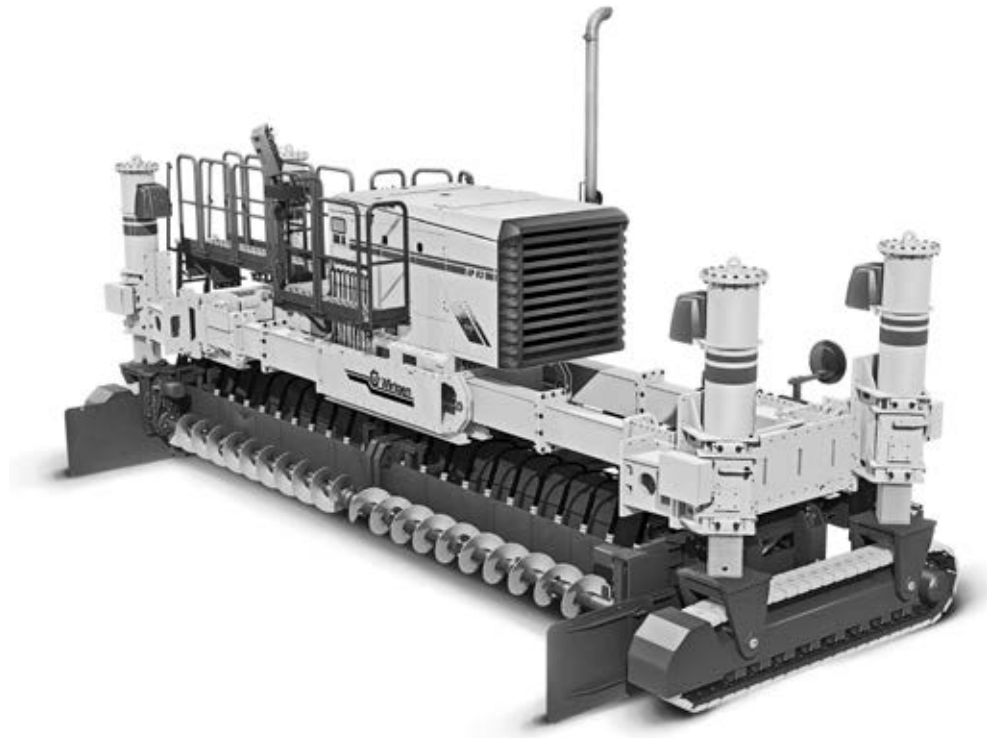
Special equipment features of the SP 81 and SP 81i	
Offset mold	
Position	offset on left and right side
Max. paving width* ¹	10' 3,000 mm
Max. paving height* ¹	7' 3" 2,200 mm
Height adjustment of mold (curb and gutter only)	16" 400 mm, hydraulic (optional)
Mold	to customer specification (optional)
Machine frame	
Telescoping frame	10' to 15' 7" 3.00 to 4.75 m
Hydraulic telescoping feature for main frame	10' to 22' 8" 3.00 to 6.90 m
Vibrators and circuits	
Hydraulic vibration	6 connections (optional: 12 connections)
Electric vibration	8 connections (optional: 16 connections)
Hydraulically driven vibrators, straight	max. 12
Electrically driven vibrators, straight	max. 16
Concrete delivery	
Belt conveyor	belt width 24" 600 mm; length 19' 4" 5,900 mm
Belt conveyor in folding design	belt width 24" 600 mm; length 19' 8" 6,000 mm
Auger conveyor, short	diameter 16" 400 mm; length 15' 1" 4,600 mm
Auger conveyor, long	diameter 16" diameter 400 mm; length 18' 8" 5,700 mm
Discharge chute	steel or rubber design
Trimmer (optional)	
Drum diameter with tools	20" 500 mm
Basic width	24" 600 mm
Extension elements	8" / 16"* ² 200 mm / 400 mm* ²
Max. width* ¹	5' 11" 1,800 mm
Trimming depth	6" 150 mm
Height adjustment, hydraulic	16" 400 mm
Height adjustment, mechanical (hole pattern)	15" 375 mm
Two-stage lateral telescoping feature	51" 1,300 mm
Transport dimensions (L x W x H)*²	
Machine (with belt conveyor)	36' 9" x 8' 4" x 10' 2" 11,200 mm x 2,550 mm x 3,100 mm
Machine (with auger conveyor)	33' 10" x 8' 4" x 10' 2" 10,300 mm x 2,550 mm x 3,100 mm
Machine (with belt conveyor in folding design)	28' 3" x 8' 4" x 10' 2" 8,600 mm x 2,550 mm x 3,100 mm
Machine weights*³	
Operating weight, CE (with trimmer; with belt conveyor)	61,500 lbs 27,900 kg
Miscellaneous	
Hydraulically operated quick-change system for offset molds	
Extremely wear-resistant, two-piece EPS polyurethane track pads	
High-pressure water cleaner	
3D kit to support external 3D systems	
Data interface with data transmission in accordance with WIFMS	
Lighting package with Halogen or Xenon spotlights	
Electro-hydraulically retracting protective canopy	
Kits for paving tight radii (fiberglass rod and pvc holders)	

*¹ = Please consult factory for special paving widths, paving thicknesses and options

*² = All specifications are minimum specifications without offset mold

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

Slipform paver of the SP 80 series in inset configuration mounted on two track units



Slipform pavers SP 82 and SP 82i		
Engine	SP 82	SP 82i
Engine manufacturer	Deutz	Deutz
Type	TCD 2012 L06 2V	TCD 6.1 L6
Cooling	water	water
Number of cylinders	6	6
Rated power at 2,300 min ⁻¹	155 kW/208 HP/211 PS	160 kW/215 HP/218 PS
Displacement	369.5 in ³ 6,057 cm ³	369.5 in ³ 6,057 cm ³
Fuel consumption, full load	11.1 gal/h 42 l/h	11.6 gal/h 44 l/h
Fuel consumption, field mix	4.5 gal/h 17 l/h	4.8 gal/h 18 l/h
Emission standards	EC Stage 3a / US Tier 3	EC Stage 3b / US Tier 4i
Tank capacities		
Fuel tank	120 gal 455 l	
Hydraulic oil tank, min.	70 gal 265 l	
Water tank, min.	210 gal 800 l	
Driving properties		
Paving speed	0–20 ft/min 0 to 6 m/min	
Travel speed	0–65 ft/min 0 to 20 m/min	
Crawler tracks		
Number	2	
Type B4: Dimensions (L x W x H)	11' 1" x 14" x 30" 3,380 x 350 x 765 mm	
Height adjustment		
Hydraulic	39" 1,000 mm	
Mechanical (hole pattern)	19" 470 mm	

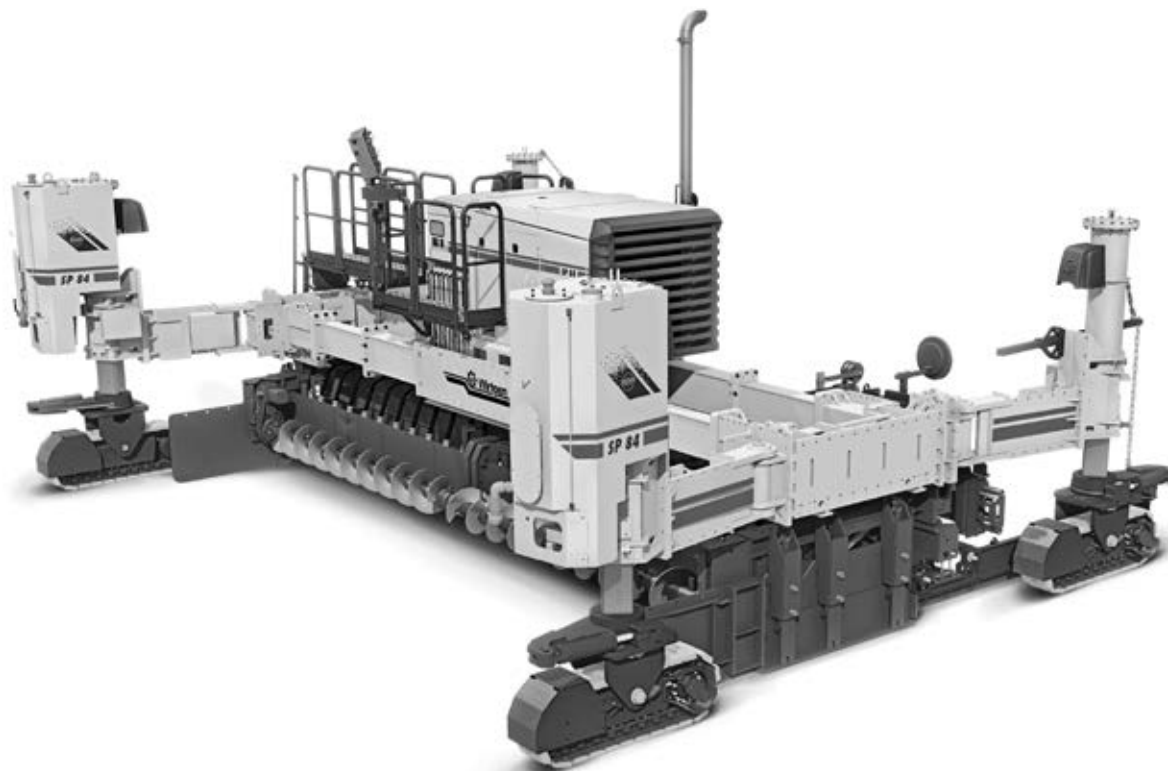
	Special equipment features of the SP 82 and SP 82i	
Slab paving mold	standard machine	US machine
Paving width *1	2.00 m to 8.00 m	6' to 26'
Paving thickness *1	max. 450 mm	max. 18"
Machine frame		
Telescoping frame	10' to 15' 7" 3.00 to 4.75 m	
Hydraulic telescoping feature for main frame	10' to 22' 8" 3.00 to 6.90 m	
Mechanical extension elements	for working widths from 22' 8" to 26' 6.90 m to 8.00 m	
Vibrators and circuits		
Hydraulic vibration	6 connections (optional: 24 connections)	
Electric vibration	8 connections (optional: 24 connections)	
Hydraulically driven vibrators, curved	max. 24	
Electrically driven vibrators, curved	max. 24	
Concrete spreading		
Spreading auger	2.00 m to 6.00 m	6' to 20'
Spreading auger, split	3.50 m to 8.00 m	12' to 26'
Spreading plough	3.50 m to 8.00 m	12' to 26'
Slab paving equipment		
Metering gate (optional: including automatic control)	2.0 m to 8.00 m	6' to 26'
Grout auger	-	6' to 26'
Tamper bar	-	6' to 26'
Slab paving mold type 910 w/m	2.00 m to 8.00 m	-
Slab paving mold type 1300 i	-	6' to 26'
Edge Slump Control	-	1"
Mold for curb / curb and gutter profiles (W x H)	500 x 250 mm	20" x 10"
Finishing equipment		
Finishing beam	2.00 m to 8.00 m	6' to 26'
Super smoother	2.00 m to 8.00 m	6' to 26'
Equipment for insertion of reinforcement		
Central tie bar inserter	diameter of tie bars: $\frac{3}{4}$ " x 2" 20 to 40 mm*2; tie bar length: 16" to 47" 400 to 1,200 mm*2	
Side tie bar inserter	diameter of tie bars: $\frac{3}{4}$ " x 2" 20 to 40 mm*2; tie bar length: 16" to 32" 400 to 800 mm*2	
Crane system for dowel bar and tie bar transport	max. 1,543 lbs 0.7 t at a radius of 16' 5" 5 m	
Central crown	gradient of up to 3 %	
Transport dimensions (L x W x H)		
Machine set up for max. working width	34' 5" x 11' 6" x 10' 2" 10,500 mm x 3,500 mm x 3,100 mm	
Machine weights*3		
Operating weight, CE	42,000 lbs–92,600 lbs 19–42 t	
Miscellaneous		
Extremely wear-resistant, two-piece EPS polyurethane track pads		
High-pressure water cleaner		
3D kit to support external 3D systems		
Data interface with data transmission in accordance with WIFMS		
Electro-hydraulically retracting protective canopy		
Compressed air system		
Lighting package with Halogen or Xenon spotlights		
Slab tracers for sensing along a reference surface		

*1 = Please consult factory for special paving widths, paving thicknesses and options

*2 = Applicable for the range of tie bar dimensions specified, for any other dimensions, please consult factory, the tie bar inserters will be customized in accordance with pre-selected customer requirements

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

Slipform paver of the SP 80 series in inset configuration mounted on four track units



Slipform pavers SP 84 and SP 84i		
	SP 84	SP 84i
Engine	SP 84	SP 84i
Engine manufacturer	Deutz	Deutz
Type	TCD 2012 L06 2V	TCD 6.1 L6
Cooling	water	water
Number of cylinders	6	6
Rated power at 2,300 min ⁻¹	155 kW/208 HP/211 PS	160 kW/215 HP/218 PS
Displacement	369.5 in ³ 6,057 cm ³	369.5 in ³ 6,057 cm ³
Fuel consumption, full load	11.1 gal/h 42 l/h	11.6 gal/h 44 l/h
Fuel consumption, field mix	4.5 gal/h 17 l/h	4.8 gal/h 18 l/h
Emission standards	EC Stage 3a / US Tier 3	EC Stage 3b / US Tier 4i
Tank capacities		
Fuel tank	120 gal 455 l	
Hydraulic oil tank, min.	70 gal 265 l	
Water tank, min.	135 gal 505 l	
Driving properties		
Paving speed	crawler track type B1: 0–40 ft/min 0–12 m/min, crawler track type B4: 0–25 ft/min 0–8 m/min	
Travel speed	crawler track type B1: 0–100 ft/min 0–30 m/min, crawler track type B4: 0–100 ft/min 0–30 m/min	
Crawler tracks		
Number	4	
Type B1: Dimensions (L x W x H)	5' 4" x 12" x 23" 1,635 x 300 x 595 mm	
Type B4: Dimensions (L x W x H)	6' 10" x 14" x 28" 2,090 x 350 x 720 mm	
Height adjustment		
Hydraulic	39" 1,000 mm	
Mechanical (hole pattern)	19" 470 mm	

	Special equipment features of the SP 84 and SP 84i	
Slab paving mold	standard machine	US machine
Paving width* ¹	2.00 m to 8.00 m	6' to 26'
Paving thickness* ¹	max. 450 mm	max. 18"
Machine frame		
Telescoping frame	10' to 15' 7" 3.00 to 4.75 m	
Hydraulic telescoping feature for main frame	10' to 22' 8" 3.00 to 6.90 m	
Mechanical extension elements	for working widths from 22' 8" to 26' 6.90 m to 8.00 m	
Vibrators and circuits		
Hydraulic vibration	6 connections (optional: 24 connections)	
Electric vibration	8 connections (optional: 24 connections)	
Hydraulically driven vibrators, curved	max. 24	
Electrically driven vibrators, curved	max. 24	
Concrete spreading		
Spreading auger	2.00 m to 6.00 m	6' to 20'
Spreading auger, split	3.50 m to 8.00 m	12' to 26'
Spreading plough	3.50 m to 8.00 m	12' to 26'
Slab paving equipment		
Metering gate (optional: including automatic control)	2.00 m to 8.00 m	6' to 26'
Grout auger	–	6' to 26'
Tamper bar	–	6' to 26'
Slab paving mold type 910 w/m	2.00 m to 8.00 m	–
Slab paving mold type 1300 i	–	6' to 26'
Edge Slump Control	–	1"
Mold for curb/curb and gutter profiles (W x H)	500 x 250 mm	20" x 10"
Finishing equipment		
Finishing beam	2.00 m to 8.00 m	6' to 26'
Super smoother	2.00 m to 8.00 m	6' to 26'
Dowel bar inserter	3.00 m to 8.00 m	10' to 26'
Equipment for insertion of reinforcement		
Dowel bar inserter	diameter of dowel bars: 3/4" x 2" 20 to 40 mm* ² ; dowel bar length: 16" to 24" 450 to 600 mm* ²	
Central tie bar inserter	diameter of tie bars: 3/4" x 2" 20 to 40 mm* ³ ; tie bar length: 16" to 47" 400 to 1,200 mm* ³	
Side tie bar inserter	diameter of tie bars: 3/4" x 2" 20 to 40 mm* ³ ; tie bar length: 16" to 32" 400 to 800 mm* ³	
Crane system for dowel bar and tie bar transport	max. 1,543 lbs 0.7 t at a radius of 16' 5" 5 m	
Central crown	gradient of up to 3 %	
Transport dimensions (L x W x H)		
Machine set up for max. working width	45' 9" x 8' 4" x 10' 2" 13,800 mm x 2,550 mm x 3,100 mm	
Machine weights*⁴		
Operating weight, CE	42,000 lbs–131,000 lbs 19 t–59,5 t	
Miscellaneous		
Extremely wear-resistant, two-piece EPS polyurethane track pads		
High-pressure water cleaner		
3D kit to support external 3D systems		
Data interface with data transmission in accordance with WIFMS		
Electro-hydraulically retracting protective canopy		
Compressed air system		
Lighting package with Halogen or Xenon spotlights		
Slab tracers for sensing along a reference surface		

*¹ = Please consult factory for special paving widths, paving thicknesses and options

*² = Applicable for the range of dowel bar dimensions specified, for any other dimensions, please consult factory, the dowel bar inserters will be customized in accordance with pre-selected customer requirements

*³ = Applicable for the range of tie bar dimensions specified, for any other dimensions, please consult factory, the tie bar inserters will be customized in accordance with pre-selected customer requirements

*⁴ = Weights depend on the machine's range of equipment and working width



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