PL

SSL High Flow | SSL High Power | SSL Standard Flow | Front Loader

SELF-LEVELLING ROAD PLANERS

PL 25.10 | PL 35.15 | PL 40.15 | PL 45.20 | PL 45.20HP | PL 50.20 PL 60.20 | PL 60.20HP | PL 75.20 | PL 1000 | PL 1200 | PL 1200 PL 1500 | PL 2000 | PL 40.35

WATCH THE VIDEO

Scan the QR code using your smartphone

PERFORMER

Performer (Simex patented): allows the operator to optimize the equipment's performance according to the forward speed of the operating machine.

FLOATING TRANSVERSE TILT WITH DAMPER (Simex patented), alternatively, hydraulic adjustment (optional) with possibility of floating movement.

INDEPENDENT DEPTH ADJUSTMENT ON THE RIGHT OR LEFT. Mechanical or hydraulic adjustment (optional). Right and left depth indicator.



SPRAY SYSTEM WITH TANK BUILT INTO FRAME (Simex patented). Includes electro-pump, filter and sprayers (tank also available for positioning on prime mover roof). Controls dust produced during milling operation.

Drums in different widths and teeth layout for asphalt or concrete.

HYDRAULIC SIDE SHIFT (mechanical for PL 25.10, PL 35.15 and PL 40.15). Used in central or lateral position, to the right side, for milling flush to the wall.

MILLED MATERIAL REMAINS IN THE WORK AREA: no accidental launch of material since slides perfectly adhere to work surface.

SELF-LEVELLING SYSTEM: CONSTANT PLANING DEPTH, ALWAYS (Simex patented). Self-levelling to the work surface ensures constant milling depth in any condition, regardless of ground contour or the position of the attachment with respect to the prime mover. The planer lateral slides automatically align to the milling surface on which they rest to provide maximum stability.

HYDRAULIC MOTOR IN DIRECT DRIVE WITH THE DRUM

SIMEX • patented •

The Simex PL self-levelling road planers are designed to remove the entire layer of asphalt or cement in preparation for trenching, or for milling deteriorated sections for later resurfacing. Created to mill pre-set sections on hard and compact surfaces, they allow the possibility to reuse milled material for backfilling trenches.

AVAILABLE DRUMS:



STANDARD DRUMS



CEMENT DRUMS
Reduced pitch compared with standard.



MULTI-TEETH DRUMS
For fine surface milling.



SPECIAL
For widths and/or depths other than standard.



CUTTING DISK



DOUBLE-WIDTH DRUMS
Drums with removable shells (PL 1000 only).

AVAILABLE TEETH:



TEETH FOR ASPHALT



TEETH FOR CEMENT



TEETH FOR MULTI-TEETH DRUMS



PL 60.20: *Planing edge of footpath thanks to hydraulic side shift.*



PL 45.20: *Perfect surfaces with side-by-side passes*



PL 45.20 HP: *Resurfacing road failure.*



PL 60.20: *Scarification of concrete flooring in industrial warehouse.*



PL 1500. *Scarification of running surface in city centre.*



PL 1000. *Milling flush to wall with hydraulic side shift.*



PL 75.20. *Mounted on Unimog with special side shift.*

SELF-LEVELLING SYSTEM

Self-levelling to the work surface ensures constant milling depth in any condition, regardless of ground contour or the position of the attachment with respect to the prime mover.

learn more on page 74



INDEPENDENT DEPTH ADJUSTMENT

The slides move independently of each other and precisely follow the surface to the right or left. The independent depth adjustment on RH and LH sides combined with the self-levelling system achieves perfectly flat surfaces with side-by-side passes.



FLOATING TRANSVERSE TILT

The floating transverse tilt ensures the drum of the planer is always aligned to the ground, even when prime mover is not parallel to the road surface.



SIDE SHIFT FOR MILLING FLUSH TO WALL

Thanks to the hydraulic side shift, it is possible to work in both central and lateral position, to the right side for milling flush to the wall.



BUILT-IN WATER TANK

The dust suppression system consists of electro-pump, filter, sprayers and water tank built into the side shift (Simex patented). Controls dust produced during milling operation.



MULTI-TEETH DRUM

Multi-teeth drum for surface milling, with millimetric precision thanks to the self-levelling system that maintains constant working depth. Ideal for removal of road surface marking, for creating rumble strips or surface roughness.



PL SCARIFYING MACHINES

The Simex PL range of road planers offers 4 models with oversized drums, specially made for scarification of the running surface of the road: PL 1000, 1200, 1500, 2000, with respective widths: 100, 120, 150 and 200 cm, for working depths of up to 130 mm.



Like other road planers in the range, the PL scarifying machines benefit from Simex-patented solutions, such as: self-levelling system (for always-constant milling depth); independent depth adjustment on the right or left; floating transverse tilt; and the Performer device, which allows the operator to optimize the equipment's performance according to the forward speed of the operating machine.





PL 1000. *Precision planing along kerb for resurfacing square.*



PL 1500*. Scarification with side-by-side passes for repaving port quay.*



PL 60.20 *on front loader. Removal of entire layer of asphalt in preparation for trenching.*



PL 2000. *Scarification of running surface, 40 mm depth.*

PL 45.20. *The independent depth adjustment on RH and LH sides combined with the self-levelling system achieves perfectly flat surfaces with side-by-side passes.*





Detail of milling depth during road repair work.

OPTIMIZED MILLING WITH PERFORMER



Mounted in an ergonomic position, easy to view from the operator cabin, the patented **Performer** device optimizes the attachment performance according to the forward speed of the operating machine.

- **Increases daily productivity**
- **Significantly reduces machine downtime**
- **Makes work easier for the operator**

Performer: the video
Scan the QR code using your smartphone to see the PERFORMER in action.

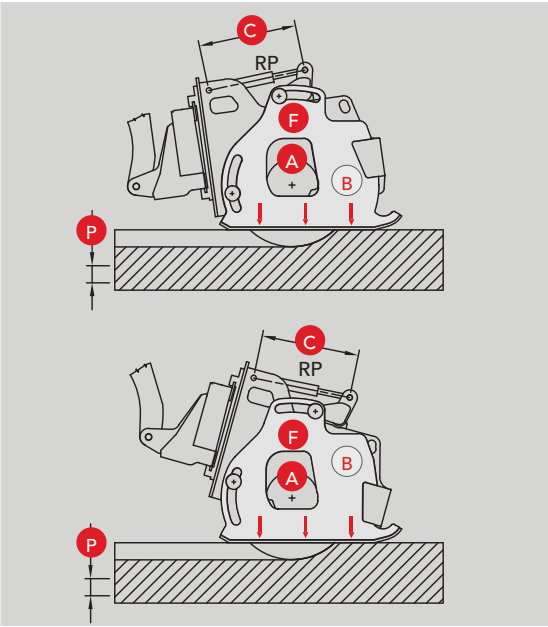
PATENTED SELF-LEVELLING SYSTEM: CONSTANT DEPTH IN ANY CONDITION

The Simex self-levelling system allows maintaining always-constant planing depth in any condition, regardless of ground contour or the position of the attachment with respect to the prime mover. The lateral slides automatically align to the milling surface on which they rest to ensure maximum stability.

The slides move independently of each other and precisely follow the surface to the right or left. **The independent depth adjustment** on RH and LH sides combined with the self-levelling system achieves **perfectly flat surfaces with side-by-side passes.**







A *virtual axis*
B *side panel*
C *RP depth adjuster travel*
F *pivot*
P *working depth*

The RP depth adjuster (mechanical or hydraulic) moves the pivot up and down (F) to set the working depth (P). If the planer is not horizontal to the ground, the side panel (B) rotates forward or back with respect to the virtual axis (A).

The lateral slides always rest on the ground and the working depth (P) is fixed and constant during advancement.
The working depth (P) can be varied only by changing the travel (C) of the depth adjuster RP.

SELF-LEVELLING SYSTEM AND INDEPENDENT DEPTH ADJUSTMENT ON RH AND LH SIDES: BENEFITS



- **Always-constant planing depth**
- **Perfect surfaces with side-by-side passes**
- **Makes work easier for the operator**
- **No accidental launch of material**

Self-levelling system: the video
Scan the QR code using your smartphone to see the self-levelling system in action.



PL 2000. *Resurfacing deteriorated asphalt after laying fibre optic cables.*



PL 1000. *Resurfacing industrial yard.*



PL 45.20 HP. *Removal of deteriorated asphalt layer following road failure.*

		STANDARD FLOW PLANERS		HIGH FLOW PLANERS		HIGH POWER PLANERS			HIGH POWER AND HIGH FLOW PLANERS	
TECHNICAL DATA		**PL 25.10**	**PL 35.15**	**PL 40.15**	**PL 45.20**	**PL 45.20 HP**	**PL 50.20**	**PL 60.20**	**PL 60.20 HP**	**PL 75.20**
STANDARD DRUM										
Width (A)	mm *inch*	250 *10*	350 *14*	400 *16*	450 *18*	450 *18*	500 *20*	600 *24*	600 *24*	750 *30*
Depth	mm *inch*	0 - 70 *0 - 2.7*	0 - 110 *0 - 4.3*	0 - 150 *0 - 5.9*	0 - 150 *0 - 5.9*	0 - 170 *0 - 6.7*	0 - 170 *0 - 6.7*	0 - 170 *0 - 6.7*	0 - 170 *0 - 6.7*	0 - 170 *0 - 6.7*
SPECIAL DRUMS										
Maximum depth with reduced width	mm *inch*	130 *5*	150 *6*	170 *7*	200 *8*	230 *9*	230 *9*	230 *9*	230 *9*	230 *9*
Depth adjustment		independent right and left, mechanical - hydraulic*								
Side shift		mech.	mech./hyd.*	mech./hyd.*	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic
Transverse tilt		-	autom.*	autom.*	autom./hyd.*	autom./hyd.*	autom./hyd.*	autom./hyd.*	autom./hyd.*	autom./hyd.*
Tilt		-	16°	16°	16°	16°	16°	16°	16°	16°
Weight standard version (1)	kg *lbs*	350 *770*	590 *1300*	660 *1450*	750 *1650*	860 *1900*	900 *2000*	950 *2100*	1000 *2200*	1050 *2300*
Weight version with integrated spray system (1)	kg *lbs*	-	750 *1650*	820 *1800*	910 *2000*	1020 *2150*	1060 *2330*	1110 *2440*	1160 *2550*	1210 *2660*
Required oil flow	l/min *gpm*	30 - 60 *8 - 16*	45 - 80 *12 - 21*	65 - 115 *17 - 30*	75 - 115 *20 - 30*	100 - 150 *27 - 40*	100 - 150 *27 - 40*	100 - 150 *27 - 40*	110 - 170 *29 - 45*	110 - 170 *29 - 45*
Maximum oil pressure	*BAR* *psi*	250 *3625*	250 *3625*	250 *3625*	310 *4500*	310 *4500*	310 *4500*	310 *4500*	310 *4500*	310 *4500*
Dust control spray system		kit for skid steer loader roof with electro-pump or built into side shift with electro-pump								

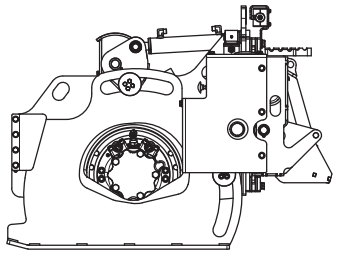
(1) The installer is responsible for ensuring that the equipment meets the prime mover's specifications and weight requirement.
(*) Upon request (Optional)

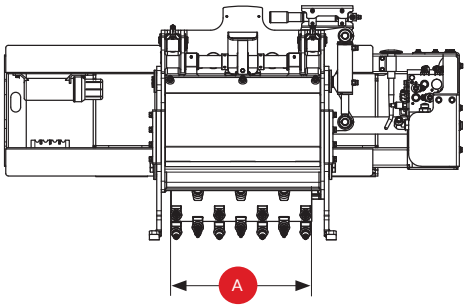
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DOWNLOAD THE UPDATED TECHNICAL BROCHURE

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TECHNICAL DATA		SCARIFICATION				HIGH DEPTH
		PL 1000	PL 1200	PL 1500	PL 2000	PL 40.35
STANDARD DRUM						
Width (A)	mm *inch*	1000 *40*	1200 *48*	1500 *60*	2000 *80*	400 *16*
Depth	mm *inch*	0 - 130 *0 - 5*	0 - 130 *0 - 5*	0 - 130 *0 - 5*	0 - 130 *0 - 5*	100 - 350 *4 - 13.7*
SPECIAL DRUMS						
Maximum depth with reduced width	mm *inch*	130 *5*	130 *5*	130 *5*	130 *5*	350 *13.7*
Depth adjustment		independent right and left, mechanical - hydraulic*				
Side shift		hydraulic				
Transverse tilt		autom./hyd.*				
Tilt		16°	16°	16°	16°	16°
Weight standard version (1)	kg *lbs*	1090 *2400*	1210 *2660*	1290 *2840*	1630 *3600*	1150 *2530*
Weight version with integrated spray system (1)	kg *lbs*	1250 *2750*	1370 *3000*	1555 *3430*	1895 *4170*	-
Required oil flow	l/min *gpm*	110 - 190 *29 - 50*	120 - 190 *32 - 50*	130 - 200 *34 - 53*	130 - 200 *34 - 53*	110 - 170 *29 - 45*
Maximum oil pressure	*BAR* *psi*	310 *4500*	310 *4500*	310 *4500*	310 *4500*	310 *4500*
Dust control spray system		kit for skid steer loader roof with electro-pump or built into side shift with electro-pump				





(1) The installer is responsible for ensuring that the equipment meets the prime mover's specifications and weight requirement.
(*) Upon request (Optional)

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