

Product Catalogue





your business, our passion



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Materials and specifications may vary without prior notice.
Illustrated attachments can be outfitted with equipment and accessories only on request.
SXNC093A16



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PL

SELF-LEVELLING PLANERS

PATENT
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For planing asphalt and cement in pre-set depths.



■ **Designed for removing the entire layer of asphalt or cement in preparation for trenching, or for milling deteriorated sections for later resurfacing.**

Designed to mill fixed sections on hard and compact surfaces such as asphalt and cement.

Simex PL planers allow the possibility to reuse milled material for backfilling trenches.

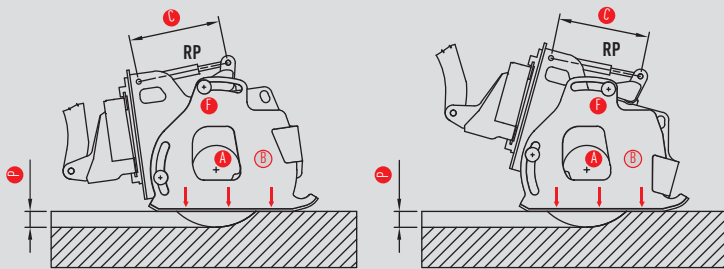
Maximum hydraulic and mechanical efficiency thanks to hydraulic piston motors, Simex-engineered drum technology and the stability guaranteed by SELF-LEVELLING system.

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■ **Self-Levelling System: Constant planing depth.**

Self-levelling to the planing surface ensures a constant milling depth in any condition, regardless of the ground contour and the position of the attachment with respect to the prime mover. Lateral slides on the planer automatically align to the milling surface to provide maximum stability.



The **RP** depth adjuster (mechanical or hydraulic) moves the fulcrum up and down (F) to determine working depth. (P)

If the planer is not horizontal to the surface, the side (B) rotates forward or back with respect to the virtual axis. (A)

The lateral slides stay gripped to the surface and the working depth (P) remains constant during advancement.

The working depth (P) can be modified only by changing the stroke (C) of the **RP** depth adjuster.

■ **The slides move independently of each other and follow the planing surface (left and right) with total precision.** The independent RH-LH depth adjustment combined with the self-levelling system results in perfectly even surfaces with side-by-side planing.



■ **Excellent visibility for the operator.**

Operator is free of problems due to poor visibility of the work area, since planing depth exactly and constantly corresponds to that programmed thanks to self-levelling feature.

■ **Flat surfaces with side-by-side planing.**

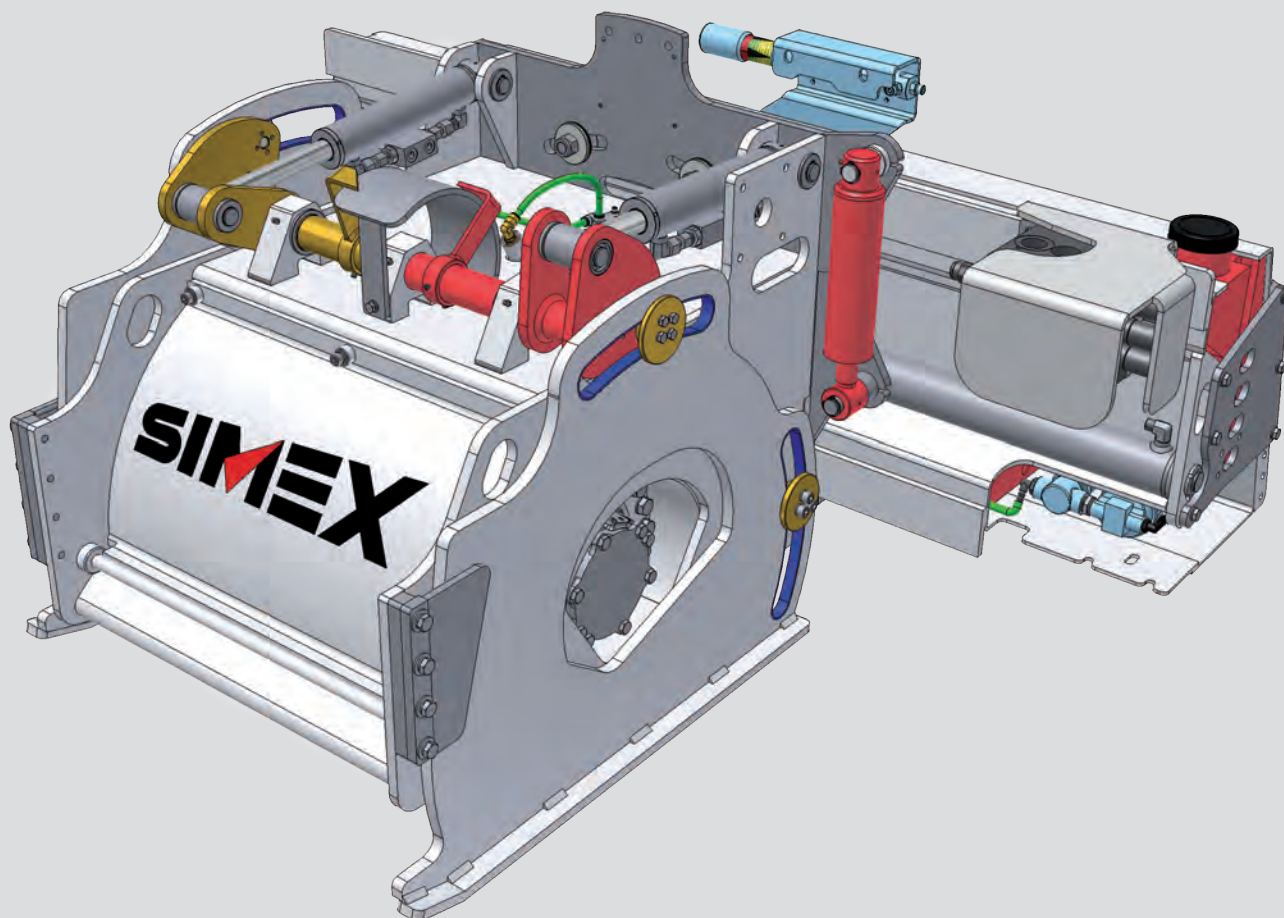
Perfect levelling achievable via side-by-side planing delivers a surface free of height differences.

■ **Maximum stability and no vibrations.**

The constant and perfect alignment with the surface is a guarantee of maximum stability.

■ **Perfect retention of milled material.**

With the slides constantly gripping the surface, the milled material is prevented from being expelled.



■ Self-levelling system.

Slides are always parallel to the surface; planing depth is always constant.

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■ Independent RH-LH depth adjustment.

Mechanical or hydraulic adjustment (optional).
Right and left depth indicator.

■ Transverse tilt.

Self-levelling to the surface via return spring system to horizontal position.
Hydraulic position (optional) with possibility of floating movement.

■ **Hydraulic side shift** (mechanical for PL 25.10, PL 35.15 and PL 40.15). Used in central or side position, to the right for milling flush to wall.

■ **Electrohydraulic valves** controlled from operator's seat for regulating flow also with 3-way connection to prime mover (also with milling drum in operation).

■ **Drums in different widths and teeth layout for asphalt or cement.**

■ **Multi-tooth drum** for fine surface milling. Millimetric precision thanks to the self-levelling system that maintains constant working depth. Ideal for removal of road surface marking or for creating rumble strips.

■ Water Spray Kit with tank built into frame.

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Includes electro-pump, filter and sprayers (tank also available for positioning on prime mover). Reduces dust produced during milling operations..



PERFORMER

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Performer, the performance optimizer.

Signals operator how to work with Simex attachments to maximize power and performance (optional).



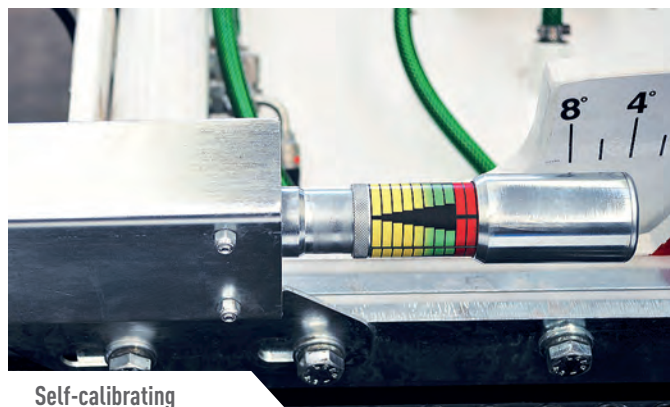
■ **Self-calibrating.**

Thanks to the Simex-patented design, the device calibrates itself according to the maximum pressure of the prime mover carrying the attachment.

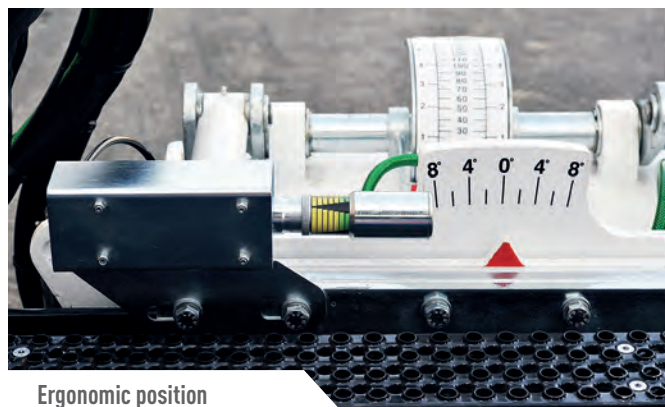
■ **Visually friendly.**

Tells the operator how to work with Simex attachments to maximize power and performance. Positioned where the operator can keep a constant eye without being distracted from machine operation. Has different colors and a graphic scale for easy reading.

With Performer, the operator works better, more productively and faster, and the Simex attachments never lose their efficiency.



Self-calibrating



Ergonomic position



Use on loader/backhoe



Standard flow planer



Dust control system



Milling flush with wall



Stabilizer - 250 mm depth



1200 mm width



Milling alongside tramway tracks



Milling under guardrail



TECHNICAL SPECIFICATIONS

	STANDARD FLOW PLANERS		HIGH FLOW PLANERS		
	PL 25.10	PL 35.15	PL 40.15	PL 45.20	PL 55.20
Standard drum					
Width	250	350	400	450	550
Depth	0-70	0-110	0-150	0-150	0-150
Special drums					
Max. depth with reduced width	130	150	170	200	200
Depth adjustment	independent left and right, mechanical - hydraulic optional				
Side shift	mech./hydr.*	mech./hydr.*	mech./hydr.*	hydraulic	hydraulic
Transverse tilt	-	autom*	autom*	autom./hydr.*	autom./hydr.*
Tilt	-	16° *	16°	16°	16°
Weight standard version	350	590	660	790	840
Weight version with integrated water kit (1)	-	750	820	950	1000
Required oil flow	30-60	45-75	65-140	65-140	70-140
Required oil pressure (2)	240-160	240-160	240-170	300-160	300-160
Water spray dust control system	Kit for mini-loader cab with electric pump or integrated in side shift with electric pump				

(*) On request

(1) User is responsible for ensuring that the equipment meets the prime mover's specifications and weight requirements.



Conveyor belt - the trench is cleared and the material is discharged to the side



Fine milling - multi-teeth drum for surface texturing or removal of road surface marking.

HIGH POWER PLANERS FOR								
MILLING			SCARIFICATION		HIGH DEPTH	STABLIZATION		
PL 50.20	PL 60.20	PL 75.20	PL 1000	PL 1200	PL 40.35	PL 60.25	PL 100.25	
500	600	750	1000	1200	400	600	1000	mm
0-170	0-170	0-170	0-130	0-130	100-350	0-230	0-230	mm
230	230	230	130	130	350	250	250	mm
independent left and right, mechanical - hydraulic optional								
hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	
autom./hydr.*	autom./hydr.*	autom./hydr.*	autom./hydr.*	autom./hydr.*	autom./hydr.*	autom./hydr.*	autom./hydr.*	
16°	16°	16°	16°	16°	16°	16°	16°	
900	950	1050	1090	1210	1150	1200	1650	kg
1060	1110	1210	1250	1370	1310	1360	1810	kg
90-160	90-160	110-180	95-200	110-200	90-180	90-160	95-200	l/min
300-160	300-160	300-180	350-180	350-180	320-180	300-180	350-180	BAR

Kit for mini-loader cab with electric pump or integrated in side shift with electric pump

2) Pressure must be inversely proportional to the flow rate available and vice versa.

T

WHEEL SAWS

For fixed-section trenching.



■ **For cutting and narrow trenching.**

Designed for fixed-section trenching on hard and compact surfaces, including asphalt, cement and rock. Full wheel protection at any working depth ensures maximum safety of persons and property.

■ **Maximum hydraulic efficiency and a high cutting force** guaranteed by hydraulic piston motors in direct drive with milling disk.

■ **Hydraulic depth adjustment.**

■ **Clean trench.**

The trench clearing device is a blade that is hydraulically activated to enter the trench during excavation; it makes sure the trench is clean and emptied in preparation for utilities installation.

■ **Material discharge**

Discharged material, which can be reused later to backfill the trench, is normally expelled to the right and left. One of the discharge outlets can be closed to allow discharge to one side only (useful for roadside trenching).



Trench widths

mm	T 300	T 450	T 600
30	■		
50	■	■	
80	○	■	■
100		■	■
130		○	○
160		■	■
200		■	■

○ Standard ■ On request



Trench clearing device

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Signals operator how to work with Simex attachments to maximize power and performance (optional).





Aspiration of milled material



Use on hydrostatic loader



Material discharge to one side only





TECHNICAL SPECIFICATIONS

	T 300	T 450	T 600	
Trench depth	200 - 300	150 - 450	200 - 600	mm
Depth adjustment	-	hydraulic	hydraulic	
Side shift	hydraulic	hydraulic	hydraulic	
Clearing device	on request	on request	on request	
Operating weight with standard wheel (1) (2)	665	1115	1340	kg
Required oil flow	60 - 140	80 - 160	90 - 160	l/min
Required oil pressure (3)	300 - 160	300 - 160	300 - 160	BAR

(1) User is responsible for ensuring that the equipment meets the prime mover's specifications and weight requirements.

(2) Standard wheel and trench clearing device

(3) Pressure must be inversely proportional to the flow rate available and vice versa

RW

SELF-LEVELLING WHEEL SAWS

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For fixed-section narrow trenching.



■ For cutting and narrow trenching.

■ Specially recommended for microtrenching for fiber optic installation.

■ Designed for fixed-section trenching on hard and compact surfaces: asphalt, cement and rock.

■ Full wheel protection at any working depth guarantees **maximum safety of persons and property**.

■ The hydraulic piston motors in direct drive with the cutting disk provide **maximum hydraulic efficiency and a high cutting force**.

■ Hydraulic depth adjustment.



Trench widths

mm	RW 500	RW 700
50	○	
80	○	○
100	○	○
130	○	○

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Signals operator how to work with Simex attachments to maximize power and performance (optional).

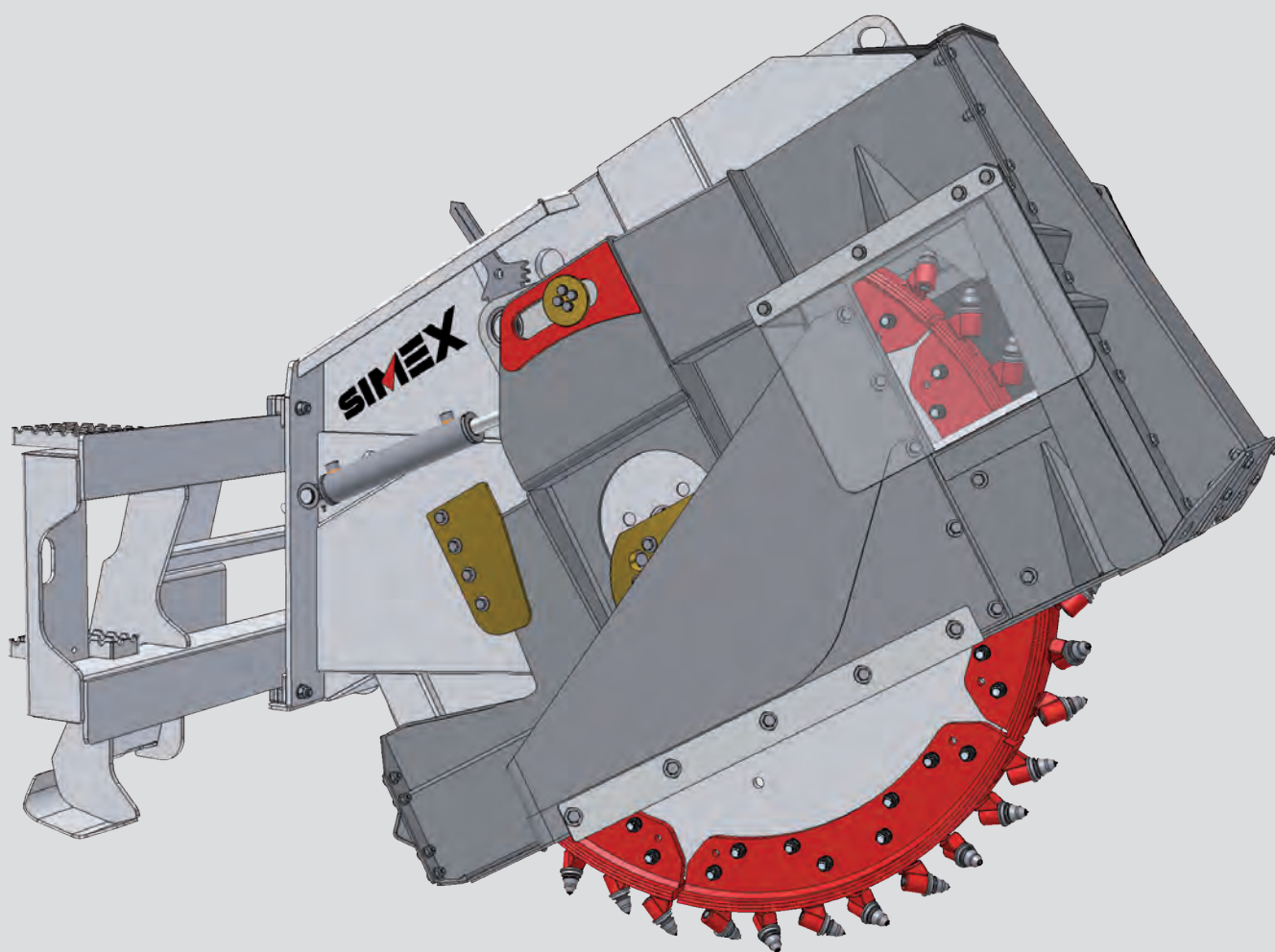


TECHNICAL SPECIFICATIONS

	RW 500	RW 700	
Trench width	50 - 130	80 - 130	mm
Trench depth	250 - 500	500 - 700	mm
Depth adjustment	hydraulic	hydraulic	
Side shift	hydraulic	hydraulic	
Operating weight (1)	1150-1250	1440-1570	kg
Required oil flow	90 - 160	110 - 160	l/min
Required oil pressure (2)	300 - 180	300 - 180	BAR

(1) User is responsible for ensuring that the equipment meets the prime mover's specifications and weight requirements.

(2) Pressure must be inversely proportional to the flow rate available and vice versa.





■ **Self-levelling system.** **PATENT SIMEX**

■ **Slides parallel to surface.**

Constant trenching depth.

■ **Variable-width frame.** **PATENT SIMEX**

Frame width varies at front with changes in wheel width to improve emptying of trench. Edges of trench remain intact to favor cutting precision.

■ **Quick changes in trench width.**

Disk with removable and interchangeable sectors allows for quick adjustment to trench widths while maintaining the same base disk.

■ **Clean trench.**

Special design of outlets allows trench to be cleared efficiently at the depth programmed. Material is discharged to right and left, or can be expelled to LH side only by closing RH outlet (useful for roadside trenching).

■ **Constant trenching depth.**

Self-levelling to the surface ensures a constant trenching depth in any condition, regardless of the ground contour and the position

of the attachment with respect to the prime mover. Lateral slides automatically align to the cutting surface.

■ **Excellent visibility for the operator.** Operator is free of problems due to poor visibility of the work area, since trenching depth exactly and constantly corresponds to that programmed thanks to self-levelling feature.

■ **Maximum stability and no vibrations.**

The constant and perfect alignment with the surface is a guarantee of maximum stability.

■ **Electrohydraulic valve** controlled from operator's seat for regulating flow also with 3-way connection to prime mover (also with wheel in operation).

T800
T700

WHEEL SAWS

For fixed-section trenching.

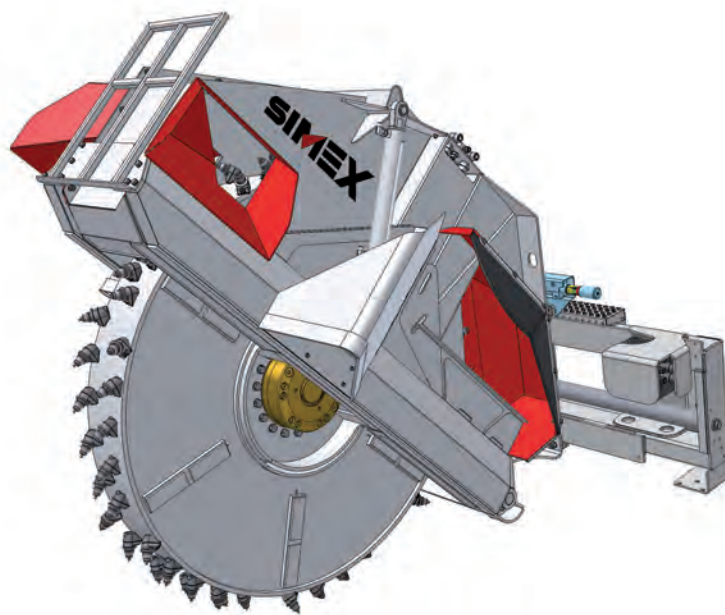


Performer, the performance optimizer.

Signals operator how to work with Simex attachments to maximize power and performance (optional).



- Wheel saws designed for fixed-section trenching on hard and compact surfaces, including asphalt, cement and rock.
- Hydraulic depth adjustment.
- Hydraulic side shift..
- Works in reverse.
- Full wheel protection at any working depth ensures maximum safety of persons and property.
- **Maximum hydraulic efficiency and high cutting force** guaranteed by hydraulic piston motors in direct drive with the cutting disk.
- **Material discharge**
Discharged material, which can be reused later to backfill the trench, is normally expelled to the right and left.



T 700

Can mount wheels with a minimum width of 80 mm up to a maximum of 200 mm since motor is not integrated into wheel.

The trench clearing device (optional) with hydraulic drive can be mounted at front to guarantee more efficient trench clearing.

T 800

The motor integrated into the wheel is positioned directly into the trench to increase working depth. Fixed working width: 250 mm.

Special shape of the frame and discharge outlets enables trench to be perfectly emptied without the need for additional devices.

TECHNICAL SPECIFICATIONS

	T 700	T 800	
Trench width	80-100-130-160-200	250	mm
Trench depth	500 - 700	450 - 800	mm
Scraper	optional	-	
Depth adjustment	hydraulic	hydraulic	
Side shift	hydraulic	hydraulic	
Operating weight(1)	1485 - 1635*	1430	kg
Required oil flow	110 - 160	110 - 160	l/min
Required oil pressure (2)	300 - 180	300 - 180	BAR

(1) User is responsible for ensuring that the equipment meets the prime mover's specifications and weight requirements.

2) Pressure must be inversely proportional to the flow rate available and vice versa.

(*) With scraper and wheel at maximum width

CHD

CHAIN TRENCHERS

For cutting and narrow trenching.



■ Designed for fixed-section trenching on soft soil.

■ **Clean trench.** The discharge screw together with the trench clearing device keeps the trench clean.

■ **Maximum stability.** The slide provides maximum stability at any trenching depth.

■ **Chain available with:**

Hoe blades for digging in natural soil

Hoe blades + teeth for mixed soil.



Use on excavator

TECHNICAL SPECIFICATIONS

	CHD 90	CHD 120	CHD 150	
Trench depth	900	1200	1500	mm
Trench width - standard	150	150	150	mm
Trench width - optional	200 - 250	200 - 250	200	mm
Side shift	standard - hydraulic optional			
Scraper	mechanical spring-operated			
Operating weight (1)	715	780	830	kg
Required oil flow	60 - 120	70 - 140	90 - 160	l/min
Required oil pressure (2)	250 - 180	250 - 180	250 - 180	BAR

(1) User is responsible for ensuring that the equipment meets the prime mover's specifications and weight requirements.

(2) Pressure must be inversely proportional to the flow rate available and vice versa.

ST

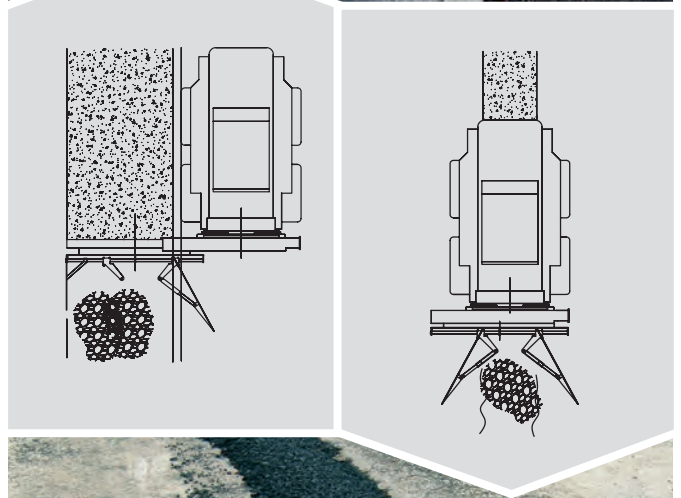
ASPHALT PAVERS

For laying asphalt and waste materials.

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SIMEX



- Designed to lay asphalt or waste material to fill fixed-section trenches, create sidewalks or widen existing roadways.
- For laying asphalt on sidewalks.
- For laying asphalt over filled trenches.
- For widening roadways.
- For backfilling trenches.
- For laying subbase material.
- Easy to use.
- Easy to clean.
- Lightweight transport.
- Simex asphalt pavers get the job done fast, while assuring safe, continuous and clean paving.
- Working precision.
- Lateral extension outside wheel allows sidewalk paving or road widening without having to pass prime mover over laid asphalt.
- **Lays asphalt on sidewalks or widens roadways** without having to pass prime mover over laid material thanks to lateral extension outside the wheel.





Sidewalk paving

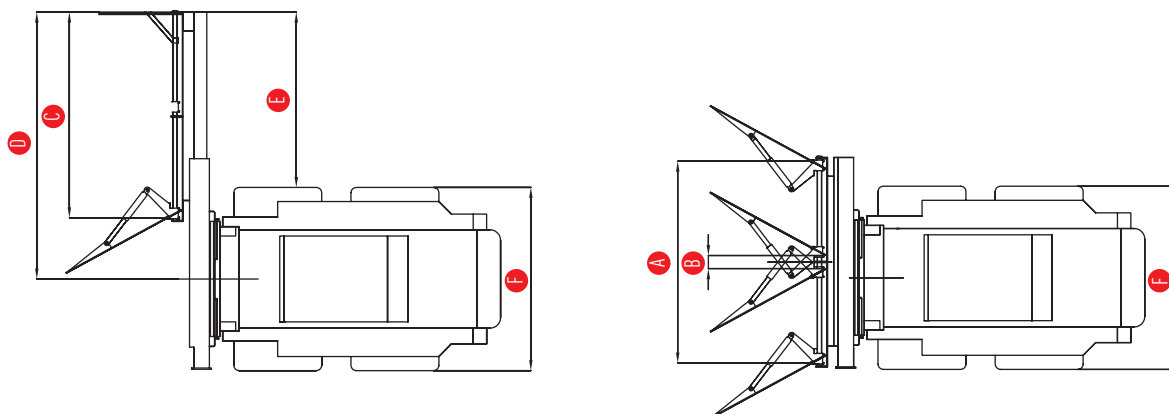


Road widening





Laying of subbase material



TECHNICAL SPECIFICATIONS

	ST 160	ST 200	
A	1500	1900	mm
B	125	125	mm
C	1560	1960	mm
D	1800	2550	mm
E	1025	1675	mm
F	1550	1750	mm
Paving width adjustment	hydraulic		
Asphalt width adjustment (independent on RH-LH side)	mechanical (screw) or electrical (optional)		
Asphalt thickness	0-100		mm
Transverse tilt	5°		
Locking device	yes		
Side shift	hydraulic		
Average working speed (trenching)	50-120		m/min
Operating weight (1)	610	675	kg
Required oil flow and pressure	45-200	45-200	l/min - BAR

(1) User is responsible for ensuring that the equipment meets the prime mover's specifications and weight requirements

CT

VIBRATING COMPACTOR WHEELS

For compacting trench beds.



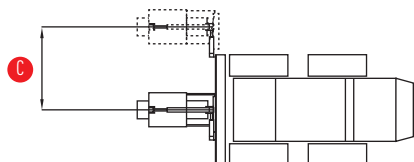
■ Designed for **compacting trench beds**, Simex CT vibrating wheel compactors guarantee a permanently firm, even and well compacted bed and ensure maximum road safety.

■ Perfect insulation from prime mover

Thanks to the reverse-rotation vibrating twin shaft positioned at center of the wheel, vertical forces are added up and horizontal forces are countered for increased operator comfort.

■ Wheel width can be adjusted via bolted sectors that are easily changed on site.

■ The CT 2.8 Full Optional permits lateral extension outside the wheel of the prime mover for working on roadsides or near walls and sidewalks.

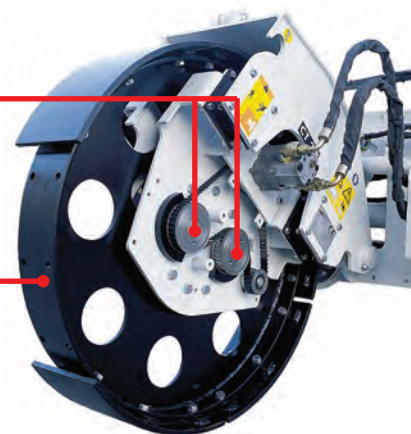


Reverse-rotation vibrating twin shaft

positioned at center of the wheel.

Easily replaceable sectors

for quick adjustment of compactor wheel width.



TECHNICAL SPECIFICATIONS

	CT 2.8 STANDARD	CT 2.8 F.O.	
Standard wheel			
Width of bolted sectors	200-250-300-350-400	200-250-300-350-400	mm
Working depth	0-700	0-700	mm
Special wheels			
Wheel widths (1)	50-100-150	50-100-150	mm
Working depth	0-350	0-350	mm
Vibration frequency	30-40	30-40	Hz
Max. vertical force	42	42	kN
Hydraulic side shift C	-	1100	mm
Hydraulic transverse tilt	-	18°	
Operating weight (2)	710-770	910-970	kg
Required oil flow	40-50	50-70	l/min
Required oil pressure	150-220	150-220	BAR

(1) Widths different from those indicated are available on request.

(2) User is responsible for ensuring that the equipment meets the excavator's specifications and weight requirements

CB

CRUSHER BUCKETS

PATENT
SIMEX

For reducing the volume of aggregates.



■ Designed to reduce the volume of aggregates directly on site.

■ Rotor system enables ideal performance in the presence of iron, rock, earth, deformable parts or wet or humid material.

■ Excellent for crushing reinforced concrete and demolition waste.

■ Lightweight structure won't transmit vibrations to the prime mover or operator.

■ Low noise output.



Size of crushed material

	0-30	0-40	0-50	0-70	0-100	0-130
CB 900	■	■	■	○	■	
CB 1200 CB 1500 CB 2000		■	■	○	■	■
CB 2500			■	○	■	■

○ Standard
■ On request

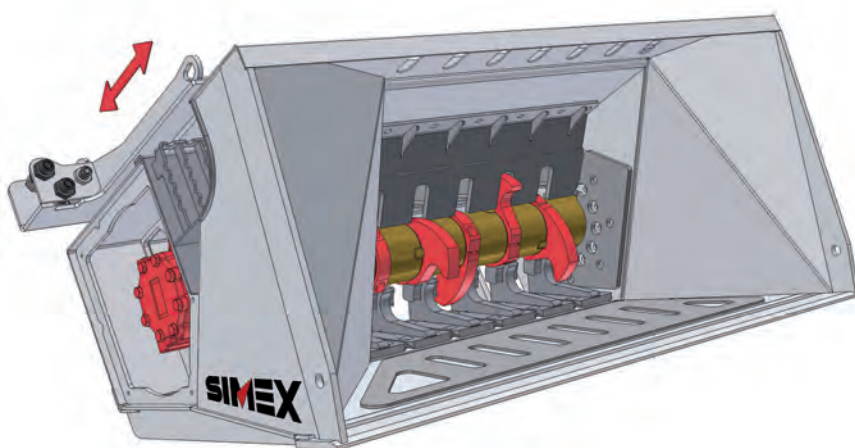
■ Exceptional cutting force enables crushing of any material thanks to rotor system with teeth driven by hydraulic piston motors in direct drive.

■ Simple, quick teeth replacement.

■ Down time on the site is eliminated thanks to automatic system that inverts drum rotation in case of blocking, with immediate resumption of work without any operator intervention.

■ Mounting safety

The mounting bracket for attachment to prime mover is height-adjustable to ensure that when the skid steer loader is in a resting position with arms lowered, the bucket is close to the ground. This is essential for ensuring the opening of the cabin and a safe coupling and decoupling.



TECHNICAL SPECIFICATIONS

	CB 900	CB 1200	CB 1500	CB 2000	CB 2500	
Width	1400	1500	1700	1900	2100	mm
Bucket capacity (SAE)	0,30	0,45	0,55	0,75	0,80	m³
Rotor width	700	840	965	1100	850	mm
Number of teeth	5	6	7	8	8	n°
Operating weight-empty	570	760	950	1150	1620	kg
Operating weight-fully loaded (1) (2) (3)	900	1200	1500	2000	2500	kg
Required oil flow	40 - 80	70 - 150	70 - 150	70 - 150	120 - 300	l/min
Required oil pressure	300 - 150	350 - 200	350 - 200	350 - 200	350 - 200	BAR

(1) Considering crushable material with maximum density of 1.1 ton/m³

(2) The maximum operating load permitted for the excavator, when added to the weight of the standard bucket, must match or exceed the weight of the crusher bucket at full load.

(3) User is responsible for ensuring that the equipment meets the excavator's specifications and weight requirements.