simex.it

PRODUCT CATALOGUE

SIMEX
HEAVY MADE EASY

A SOLID BACKGROUND & WORLDWIDE PRESENCE

HYDRAULIC ATTACHMENTS FOR EARTHMOVING MACHINES

SIMEX IS THE TECHNOLOGICAL PARTNER OF REFERENCE FOR COUNTLESS APPLICATIONS, EVEN THE MOST CHALLENGING AND COMPLEX.

Thanks to a know-how developed over time, the patrimony of its production and investments in R&D, Simex provides concrete, highly efficient responses to the ever new and complex requirements of the market. The company, while constantly interfacing with the markets of reference, harmonizes production and sales based on the contingent and potential demands of end users. Simex attachments, marked by superlative durability and engineering excellence, guarantee the optimization of costs and execution times with consequent benefits for the dealer and user.

HEAVY MADE EASY

1991
Foundation of Simex

1996
New production facility

2003
Second production facility and new demo area

2006
Introduction of new robotic welding stations

2010
Third warehousing facility and R&D area

2016
Opening of "OOO Simex Rus" in Moscow

2017
Production of the 30,000th planer for asphalt; expansion of second production facility

2019
Opening of fourth logistics and production facility

TAKE THE NEXT STEP

POWERFUL PRODUCTION

Simex products are designed and engineered to be exceptionally durable and high-performing.

Our attachments are created to solve specific problems related to the myriad applications they are used for, while guaranteeing highly efficient production for the end user.

The production process is guided by a deep awareness that we are a true technological partner for all our customers in Italy and around the world.

KNOW HOW

Simex know-how is driven by a constant and attentive eye on our markets of reference.

The consolidated skills exemplified by our technical and sales departments stem from the in-depth study of how our products will best meet the application. Simex develops products by focusing on the technical problems specific to each application scenario.

R&D

Constant investment in R&D is an essential lever for the success of Simex and the pioneering quality of our production.

The numerous patents Simex has filed over the years are testimony of how Simex maintains and continuously renews its innovative leadership. The company continually produces innovative solutions for the many, and increasingly complex, demands of a market in continuous evolution.

FULL LINE PRODUCTION

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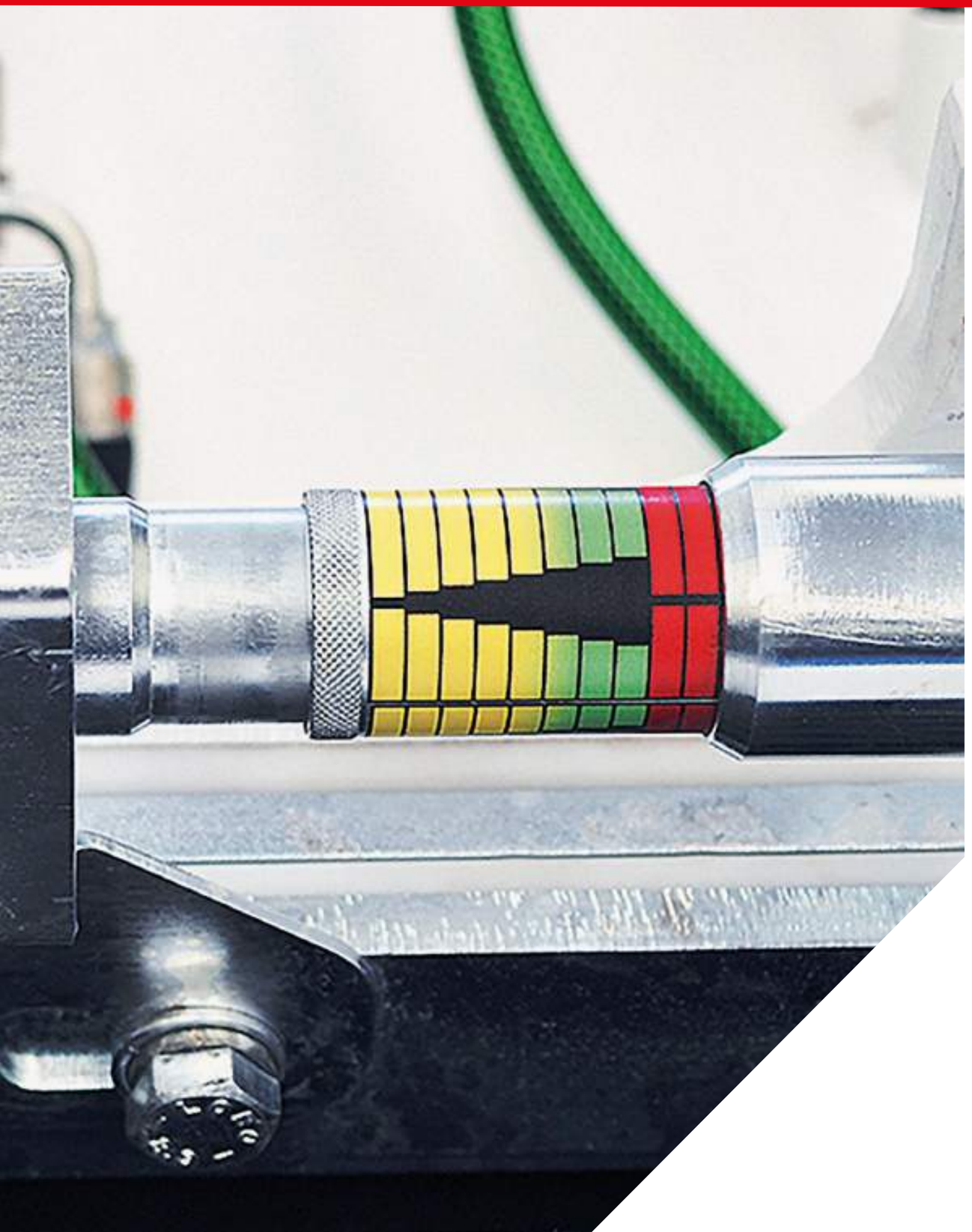


SIMEX patent

PERFORMER

Performer let you work better, faster with more productivity.

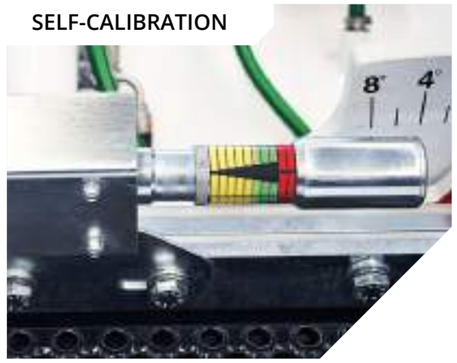
PERFORMER, THE PERFORMANCE OPTIMIZER
Informs the operator how to work with Simex attachments to maximize their power and performance (*optional*).

SELF-CALIBRATING
The Simex patent allows the device to self-calibrate exactly to the maximum pressure of the base machine the attachment is mounted on.

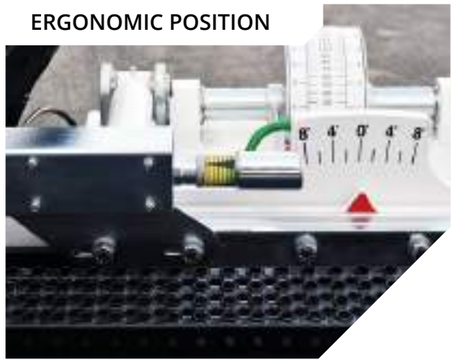
EASY TO READ
Positioned where the operator can keep a constant eye without being distracted from machine operation. Has different colors and a graphic scale for easy reference.

SCAN THE QR CODE WITH A SMARTPHONE TO SEE THE PERFORMER VIDEO.

SELF-CALIBRATION



ERGONOMIC POSITION



SIMEX
HEAVY MADE EASY

RANGE
PL

ROAD PLANERS
SELF-LEVELLING

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** **PL 1000** **PL 1200** **PL 40.35**

- Constant planing depth
- Perfect finishing with side-by-side passes
- Maximum safety
- Stability and no vibrations
- Optimal visibility for the operator

ROAD PLANERS
SELF-LEVELLING

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
PL 1000
PL 1200
PL 40.35

Utilities
Quarries and mines
Demolition
Port and underwater works
Construction and building
Infrastructure
Tunneling
Agriculture and forestry
Recycling
Roadworks
Trenching
Mini-excavator
Excavator
Skid steer loader
Front loader
Backhoe

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

Thanks to the exclusive self-levelling system, planing depth is constant in any condition.

SIMEX • patent • PERFORMER

ADVANTAGES

- Constant planing depth
- Perfect surfaces with side-by-side passes
- Maximum safety
- Stability and no vibrations
- Optimal visibility for the operator

TECHNICAL DATA		STANDARD FLOW PLANERS		HIGH FLOW PLANERS	
		PL 25.10	PL 35.15	PL 40.15	PL 45.20
Standard drum					
Width	mm *Inch*	250 *10*	350 *14*	400 *16*	450 *18*
Depth	mm *inch*	0 - 70 *0 - 2,7*	0 - 110 *0 - 4,3*	0 - 150 *0 - 5,9*	0 - 150 *0 - 5,9*
Special drums					
Max. depth with reduced width	mm *inch*	130 *5*	150 *6*	170 *7*	200 *8*
Depth adjustment		independent RH/LH, mechanical – hydraulic optional			
Side shift		mech.	mech/hyd. *	mech/hyd.*	hydraulic
Transverse tilt		-	autom*	autom*	autom/hyd.*
Tilt		-	16°	16°	16°
Weight standard version *(1)*	kg *lbs*	350 *770*	590 *1300*	660 *1450*	750 *1650*
Weight version with integrated spray system *(1)*	kg *lbs*	-	750 *1650*	820 *1800*	910 *2000*
Required oil flow	l/min *gpm*	30 - 60 *8 - 16*	45 - 80 *12 - 21*	65 - 115 *17 - 30*	75 - 115 *20 - 30*
Max. oil pressure	BAR *psi*	250 *3625*	250 *3625*	250 *3625*	300 *4350*
Dust control spray system		kit for SSL roof with electro-pump or built into side shift with electro-pump			

(1) User is responsible for ensuring that the characteristics of the prime mover suit the weight and specifications of the attachment.
(*) On request

Simex does not accept responsibility or liability for the information provided. Technical modifications may vary without prior notice.

HIGH POWER PLANERS			HIGH POWER AND HIGH FLOW PLANERS		MILLING		HIGH DEPTH		
PL 45.20 HP	PL 50.20	PL 60.20	PL 60.20 HP	PL 75.20	PL 1000	PL 1200	PL 40.35		
									Standard drum
450 *18*	500 *20*	600 *24*	600 *24*	750 *30*	1000 *40*	1200 *48*	400 *16*	mm *Inch*	Width
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*	0 - 130 *0 - 5*	0 - 130 *0 - 5*	100 - 350 *4 - 13,7*	mm *inch*	Depth
									Special drums
230 *9*	230 *9*	230 *9*	230 *9*	230 *9*	130 *5*	130 *5*	350 *13,7*	mm *inch*	Max. depth with reduced width
independent RH/LH, mechanical – hydraulic optional									Depth adjustment
hydraulic									Side shift
autom/hyd.*									Transverse tilt
16°	16°	16°	16°	16°	16°	16°	16°		Tilt
860 *1900*	900 *2000*	950 *2100*	1000 *2200*	1050 *2300*	1090 *2400*	1210 *2660*	1150 *2530*	kg *lbs*	Weight standard version
1020 *2150*	1060 *2330*	1110 *2440*	1160 *2550*	1210 *2660*	1250 *2750*	1370 *3000*	-	kg *lbs*	Weight version with integrated spray system *(1)*
100 - 150 *27 - 40*	100 - 150 *27 - 40*	100 - 150 *27 - 40*	110 - 170 *29 - 45*	110 - 170 *29 - 45*	110 - 190 *29 - 50*	120 - 190 *32 - 50*	110 - 170 *29 - 45*	l/min *gpm*	Required oil flow
300 *4350*	300 *4350*	300 *4350*	300 *4350*	300 *4350*	300 *4350*	300 *4350*	300 *4350*	BAR *psi*	Max. oil pressure
kit for SSL roof with electro-pump or built into side shift with electro-pump									Dust control spray system

(1) User is responsible for ensuring that the characteristics of the prime mover suit the weight and specifications of the attachment.
(*) On request
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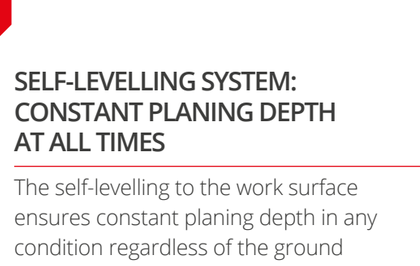
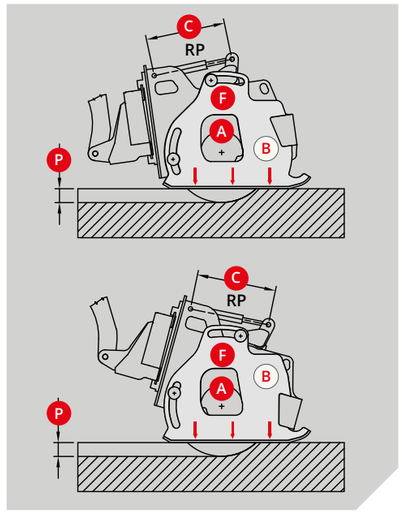
SELF-LEVELLING SYSTEM: CONSTANT PLANING DEPTH AT ALL TIMES

SIMEX • patent •

The self-levelling to the work surface ensures constant planing depth in any condition regardless of the ground contour and the position of the attachment with respect to the base machine. The lateral slides of the planer automatically align to the milling surface, providing 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.





INDEPENDENT RH-LH DEPTH ADJUSTMENT.

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

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 can be varied only by changing the travel C of the depth adjuster.

SIMEX • patent • PERFORMER

Performer: informs the operator how to work with Simex attachments to maximize power and performance (*optional*).

FLOATING TRANSVERSE TILT WITH DAMPER

Alternatively, hydraulic adjustment *(optional)* with possibility of floating movement.

SPRAY SYSTEM WITH TANK BUILT INTO FRAME

Includes electro-pump, filter and sprayers (tank also available for positioning on base machine). Controls dust produced during milling operations.

SIMEX • patent •

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 are in perfect adherence to work surface.

DRUMS IN DIFFERENT WIDTHS AND TEETH LAYOUT FOR ASPHALT OR CONCRETE

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

SIMEX
HEAVY MADE EASY

RANGE
PL

STABILIZERS
SELF-LEVELLING

PL 60.25 PL 100.25

- Constant depth
- Excellent mixing
- Maximum safety
- Stability and no vibrations
- Optimal visibility for the operator

STABILIZERS
SELF-LEVELLING

Simex PL self-levelling road stabilizers are designed to perform ground stabilization and consolidation. Excellent for consolidating sub-layers and ideal for mixing material with lime or cement. Work at a profound depth (250mm).

Thanks to the exclusive self-levelling system, milling depth is constant in any condition. Stabilizers feature transverse tilt, side shift, and independent RH-LH depth adjustment.

SIMEX • patent • PERFORMER

ADVANTAGES

- Constant depth
- Excellent mixing
- Maximum safety
- Stability and no vibrations
- Optimal visibility for the operator

TECHNICAL DATA		PL 60.25	PL 100.25
Standard drum			
Width	mm *inch*	600 *24*	1000 *40*
Depth	kg *lbs*	0 - 220 *0 - 8,5*	0 - 220 *0 - 8,5*
Special drums			
Max. depth with reduced width	mm *inch*	250 *10*	250 *10*
Depth adjustment		*independent RH/LH, mechanical – hydraulic (optional)*	
Side shift		hydraulic	hydraulic
Transverse tilt		Autom/Hyd.*	Autom/Hyd.*
Tilt		16°	16°
Weight standard version *(1)*	kg *lbs*	1200 *2640*	1650 *3630*
Required oil flow	l/min *gpm*	110 - 170 *29 - 45*	120 - 190 *32 - 50*
Max. oil pressure	BAR *psi*	300 *4350*	300 *4350*

(1) User is responsible for ensuring that the characteristics of the prime mover suit the weight and specifications of the attachment.

(*) On request

Simex does not accept responsibility or liability for the information provided. Technical modifications may vary without prior notice.

SIMEX
HEAVY MADE EASY

RANGE
PLC

ROAD PLANERS
SELF-LEVELLING WITH CONVEYOR BELT

PLC 18 **PLC 24** **PLC 30** **PLC 40**

- Clean trench
- Constant planing depth
- Perfect surfaces with side-by-side passes
- Max. safety
- Stability and no vibrations
- Excellent visibility for the operator

ROAD PLANERS

SELF-LEVELLING WITH CONVEYOR BELT

PLC 18
PLC 24
PLC 30
PLC 40

Simex PLC self-levelling planers clean the milled trench and deposit the dug material to the right or left. Thanks to the self-leveling system, planing depth is constant in any condition.

They are indispensable for optimizing collection of milled material for reuse on site or for transporting away.

Can be installed with spray system for dust control.

SIMEX • patent • PERFORMER

ADVANTAGES

- Clean trench
- Constant planing depth
- Perfect surfaces with side-by-side passes
- Max. safety
- Stability and no vibrations
- Excellent visibility for the operator

TECHNICAL DATA		PLC 18	PLC 24	PLC 30	PLC 40
Standard drum width	mm *inch*	450 *18*	600 *24*	750 *30*	1000 *40*
Max. depth	mm *inch*	150 *6*	170 *7*	170 *7*	130 *5*
Depth adjustment		Independent RH-LH, mechanical – hydraulic optional			
Side shift		Hydraulic			
Transverse tilt		Automatic			
Tilt		16°			
Operating weight *(1)*	kg *lbs*	945 *2080*	1100 *2400*	1200 *2650*	1360 *3000*
Required oil flow	l/min *gpm*	85 - 120 *22 - 32*	100 - 150 *27 - 40*	110 - 170 *29 - 45*	110 - 190 *29 - 50*
Max. oil pressure	BAR *psi*	300 *4350*	300 *4350*	300 *4350*	300 *4350*

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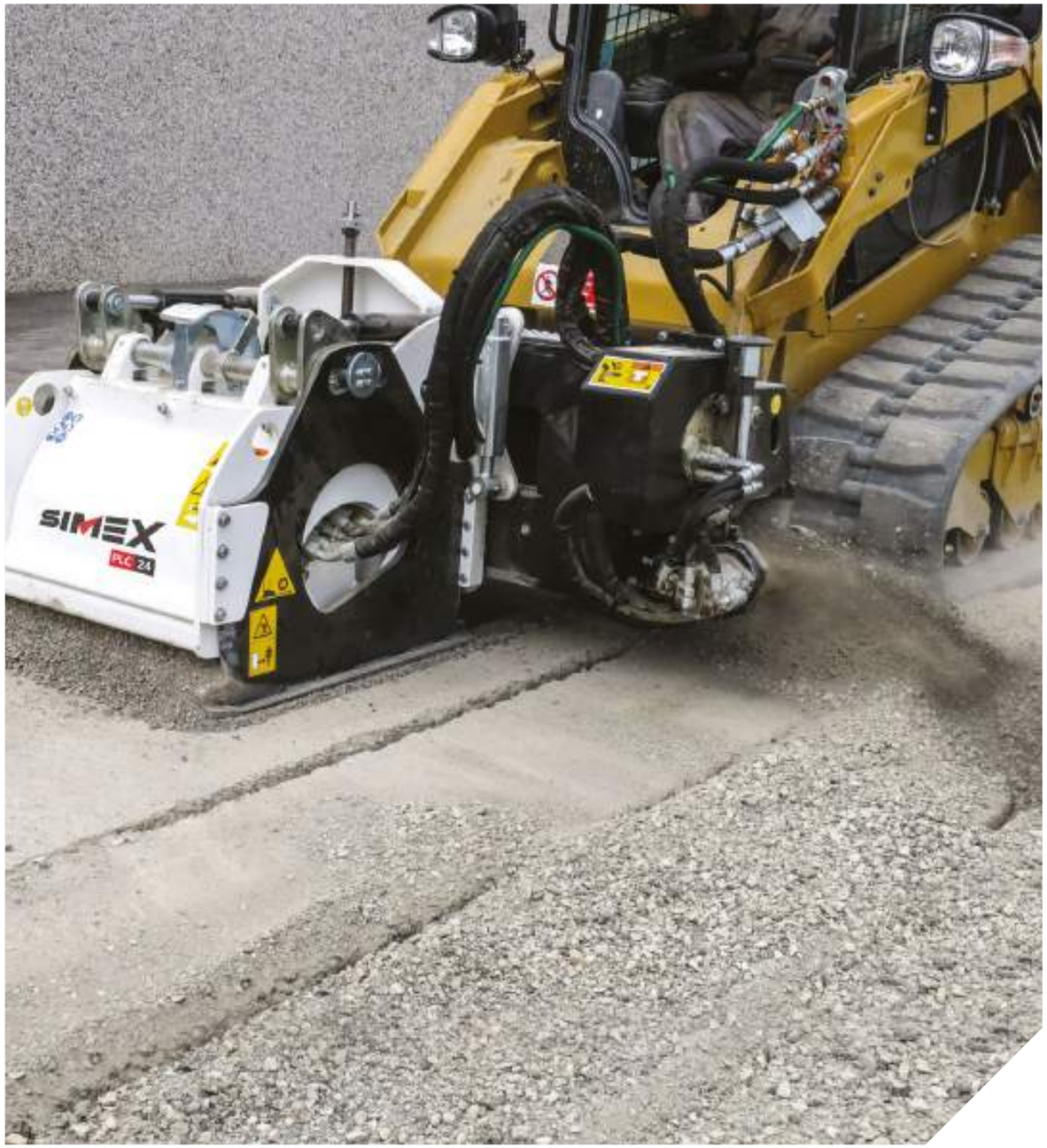

SIMEX
HEAVY MADE EASY

RANGE
PL

PLANERS
FOR SPECIAL
APPLICATIONS

PL RAIL **PL SG**

PLANERS
FOR SPECIAL APPLICATIONS

Simex consistently meets users' demands, delivering them the best solutions to solve even the most complex application challenges. The planers for working under guard rails and planers for rail tracks are further proof of this commitment.

PL SG

Intended for mounting on front loaders and skid steer loaders. Designed to remove layers of asphalt or concrete under the guard rail. Adjustable milling depth. Conveyor belt version available for removing material from trench. Interchangeable milling drums in different widths available on request.

TECHNICAL DATA		PL SG
Standard drum width	mm *inch*	350 *14*
Depth	mm *inch*	0 - 150 *0 - 6*
Depth adjustmentà		– Mechanical/hydraulic optional
Side shift		Hydraulic
Operating weight *(1)*	kg *lbs*	715 *1570*
Operating weight with conveyor belt *(*) (1)*	kg *lbs*	910 *2000*
Required oil flow	l/min *gpm*	75 - 140 *18 - 38*
Max. required oil pressure	BAR *psi*	300 *4350*

(1) User is responsible for ensuring that the characteristics of the prime mover suit the weight and specifications of the attachment

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PL RAIL

Studied for creating one or two small trenches at sides of rail tracks to be filled later with sound-insulating material. Fitted with two guide wheels positioned at front and rear of milling disks that run on the rail to guarantee maximum precision.
Wheels available in different forms and sections for different rail profiles.
Interchangeable milling disks in different widths available on request.

TECHNICAL DATA		PL RAIL
Disk width	mm *inch*	30 - 40 - 50 - 60 *1,2 - 1,6 - 2 - 2,4*
Depth	mm *inch*	0 - 70 *0 - 2,75*
Depth adjustment		Hydraulic
Side shift		
Tilt		
Operating weight *(1)*	kg *lbs*	1015 *2235*
Required oil flow	l/min *gpm*	75 - 115 *20 - 30*
Max. required oil pressure	BAR *psi*	300 *4350*

(1) User is responsible for ensuring that the characteristics of the prime mover suit the weight and specifications of the attachment

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SIMEX
HEAVY MADE EASY

RANGE
RS

PLANERS FOR RUMBLE STRIPS

RS 16

- Ideal for creation of rumble strips
- Working precision
- No vibrations
- Easily converts into a road planer

PLANERS FOR RUMBLE STRIPS

Planer for creation of rumble strips

Standard self-leveling planer

Planer for removal of road markings and surface finishing (multi-tooth)

Simex RS planers are designed to create rumble strips (lines milled into the pavement to produce noise and vibration as a safety measure).
Can mill strips in different sizes and/or modify the distance between the strips according to client requirements or local regulations.
Size and spacing are constant and independent from the advancement speed.
The oscillating motion is transmitted to the milling unit only.
No vibrations (no wear) are transmitted to the loader boom or the operator.

Convertible (Simex patent) into:

- Standard planer with Simex self-levelling system ;
- Surface planer for removal of road markings or surface finishing;
- Milling drums in different sizes are available on request.

SIMEX • patent • PERFORMER

ADVANTAGES

- Ideal for creation of rumble strips
- Working precision
- No vibrations
- Easily convert into road planers

TECHNICAL DATA		RS 16 PLANER FOR RUMBLE STRIPS	RS 16 PLANER FOR CONTINUOUS CUTTING
Drum width	mm *inch*		300 - 350 - 400 *12 - 14 - 16*
Depth	mm *inch*		0 - 150 *0 - 6*
Drum width for surface finishing *(*)*	mm *inch*		350 *14*
Drum depth for surface finishing *(*)*	mm *inch*		0 - 25 *0 - 1*
Rumble strip width *(1)*	mm *inch*	300 - 350 - 400 *12 - 14 - 16*	
Rumble strip depth *(1)*	mm *inch*	0 - 25 *0 - 1*	
Distance between strips *(1)*	mm *inch*	300 *12*	
Rumble strip length *(1)*	mm *inch*	178 *7*	
Depth adjustment		-	Manual
Side shift		Hydraulic	Hydraulic
Transverse tilt		Automatic	Automatic
Tilt		16°	16°
Operating weight *(2)*	kg *lbs*	1040 *2300*	830 *1830*
Operating weight with integrated spray system *(2)*	kg *lbs*	1200 *2640*	990 *2200*
Required oil flow	l/min *gpm*	75 - 140 *20 - 37*	90 - 140 *24 - 37*
Max. oil pressure	BAR *psi*	250 *3625*	250 *3625*

(1) ***Standard dimensions – custom dimensions on request.***
(2) User is responsible for ensuring that the characteristics of the prime mover suit the weight and specifications of the attachment(*) Optional

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SIMEX
HEAVY MADE EASY

RANGE

RW/RWA/RWS

WHEEL SAWS

SELF-LEVELLING

RWS 400 **RW 500** **RWA 500**

- Clean trench
- Constant trench depth
- Max. safety
- Excellent visibility for operator
- High cutting force
- Stability and no vibrations

WHEEL SAWS
SELF-LEVELLING

RWS 400
RW 500
RWA 500

Designed for skid steer mounting, Simex RW and RWA wheel saws provide different solutions for working on hard or compact surfaces such as asphalt, concrete and rock: cutting and narrow trenches, set-section trenches, mini- and micro-trenches for fiber optic cable installation. Full protection of the wheel at any working depth guarantees maximum safety of persons and property.

Self-leveling feature ensures constant trench depth and allows operator excellent visibility in any condition.

SIMEX patent • PERFORMER




ADVANTAGES

- Clean trench
- Constant trench depth
- Max. safety
- Excellent visibility for operator
- High cutting force
- Stability and no vibrations

TECHNICAL DATA

		RWS 400	RW 500	RWA 500
Trench width	mm *inch*	50 - 80 - 100 - 120 *2 - 3 - 4 - 5*	50 - 80 - 100 - 120 *2 - 3 - 4 - 5*	50 - 80 - 100 - 120 *2 - 3 - 4 - 5*
Trench depth	mm *inch*	250 - 400 *10 - 16*	250 - 500 *10 - 20*	250 - 500 *10 - 20*
Depth adjustment		Hydraulic		
Side shift				
Operating weight *(1)*	kg *lbs*	1100 *2420*	1275 - 1340 *2800 - 2950*	1300 - 1400 *2860 - 3080*
Required oil flow	l/min *gpm*	90 - 160 *24 - 43*	100 - 160 *27 - 43*	100 - 160 *27 - 43*
Max. oil pressure	BAR *psi*	300 *4350*	300 *4350*	300 *4350*
Lateral tilt		●		●
Conveyor belt		□	□	□
Vacuum device		□	□	□
Steering system		●		

● *Standard* □ *On request*

(1) User is responsible for ensuring that the characteristics of the prime mover suit the weight and specifications of the attachment

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SIMEX • patent •

SELF-LEVELLING SYSTEM FOR CONSTANT TRENCHING DEPTH.

The self-levelling system (Simex patent) guarantees constant trenching depth in any condition, regardless of the ground contour and the position of the attachment with respect to the prime mover.

SUCTION

- By replacing the front section and closing the outlets the excavated material can be aspirated with the aid of a vacuum truck *(Optional).*

CONVEYOR BELT

- To convey the excavated material to a height that allows it to be loaded into the bucket of a second machine.

SIMEX • patent •

RWS VERSION

The innovative RWS can create curved trenches with radii down to 5 m. The special steering unit acts on the axis of the wheel saw to go right and left.

HYDRAULIC DEPTH ADJUSTMENT

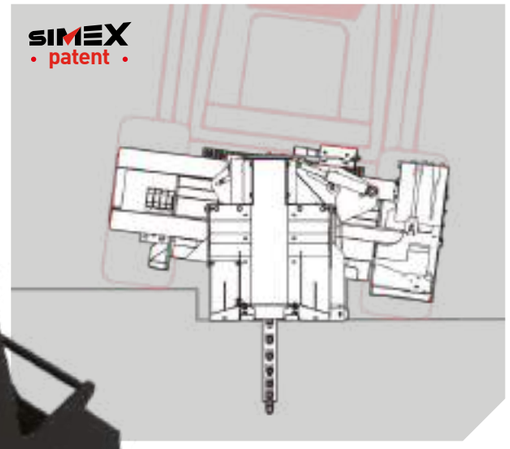
THE PERFORMANCE OPTIMIZER

Informs the operator how to work with Simex attachments to maximize power and performance. (*Optional*)

HYDRAULIC LATERAL TILT

Maintains the wheel saw vertical in any condition. Allows milling near sidewalks with the wheel saw in vertical position even when the prime mover is not parallel to the road surface, compensating for a difference in level up to 200mm.

SIMEX • patent •



HYDRAULIC SIDE SHIFT

WATER SPRAY

For dust control.
(*Optional*)

SEGMENTED WHEEL

Disk with removable, interchangeable segments allows quick variation of the trench width while maintaining the same base wheel.

SIDE DISCHARGE OF MATERIAL

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

SIMEX
HEAVY MADE EASY

RANGE

T/TA

WHEEL SAWS

FOR SET-SECTION TRENCHES

T 200 **T 300** **TA 300** **T 450** **T 600** **T 800**

- Clean trench
- Max. safety
- High performance
- High cutting force

WHEEL SAWS
FOR SET-SECTION TRENCHES

Intended for skid steer mounting, Simex wheel saws offer different solutions for working on hard or compact surfaces, including asphalt, concrete and rock: cuts and small trenches, set-section trenches, mini- and micro-trenches for fiber optic cable installation.

Full wheel protection at any working depth ensures maximum safety of persons and properties.

SIMEX patent • PERFORMER




ADVANTAGES

- Clean trench
- Max. safety
- High performance
- High cutting force

T 800: Works reverse

TECHNICAL DATA		T 200	T 300	TA 300
Trench width	mm *inch*	30 - 40 - 50 *1,2 - 1,6 - 2*	30 - 50 - 80 *1,2 - 1,6 - 3,2*	30 - 50 - 80 *1,2 - 1,6 - 3,2*
Trench depth	mm *inch*	200 *8*	300 *12*	300 *12*
Depth adjustments		-	-	-
Side shift		Mechanical	Hydraulic	Hydraulic
Trench clearing device		-	□	□
Conveyor belt		-	-	□
Lateral tilt		-	-	●
Segmented wheel		-	-	-
Vacuum device		-	□	□
Operating weight with standard wheel *(1)*	kg *lbs*	270 *600*	665 *1460*	845 *1860*
Required oil flow	l/min *gpm*	35 - 75 *9 - 20*	60 - 115 *16 - 30*	60 - 115 *16 - 30*
Max. oil pressure	BAR *psi*	250 *3625*	300 *4350*	300 *4350*

● *Standard* □ *On request*

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DATI TECNICI		T 450	T 600	T 800
Trench width	mm *inch*	50 - 80 -100 - 130 - 160 - 200 *1,6 - 3,2 - 4 - 5 - 6,3 - 8*	80 -100 - 130 - 160 - 200 *3,2 - 4 - 5 - 6,3 - 8*	250 *10*
Trench depth	mm *inch*	150 - 450 *6 - 17*	200 - 600 *8 - 24*	450 - 800 *17 - 31*
Depth adjustments		Hydraulic	Hydraulic	Hydraulic
Side shift		Hydraulic	Hydraulic	Hydraulic
Trench clearing device		□	□	-
Conveyor belt		□	-	-
TILT - Lateral tilt		-	-	-
Segmented wheel		□ (T 450S)	□ (T 600S)	-
Vacuum device		□	□	-
Operating weight with standard wheel *(1)*	kg *lbs*	1115 *2450*	1340 *2950*	1430 *3150*
Required oil flow	l/min *gpm*	100 - 160 *27 - 42*	110 - 170 *29 - 45*	110 - 170 *29 - 50*
Max. oil pressure	BAR *psi*	300 *4350*	300 *4350*	300 *4350*

● *Standard* □ *On request*

1) User is responsible for ensuring that the equipment meets the excavator's specifications and weight requirements.
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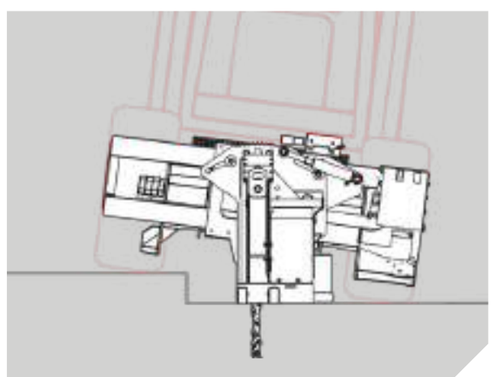
CONVEYOR BELT

• CONVEYOR BELT
Conveys the excavated material to a height that allows it to be loaded into the bucket of a second machine.
(Optional on TA 300 and T 450)

ASPIRATION

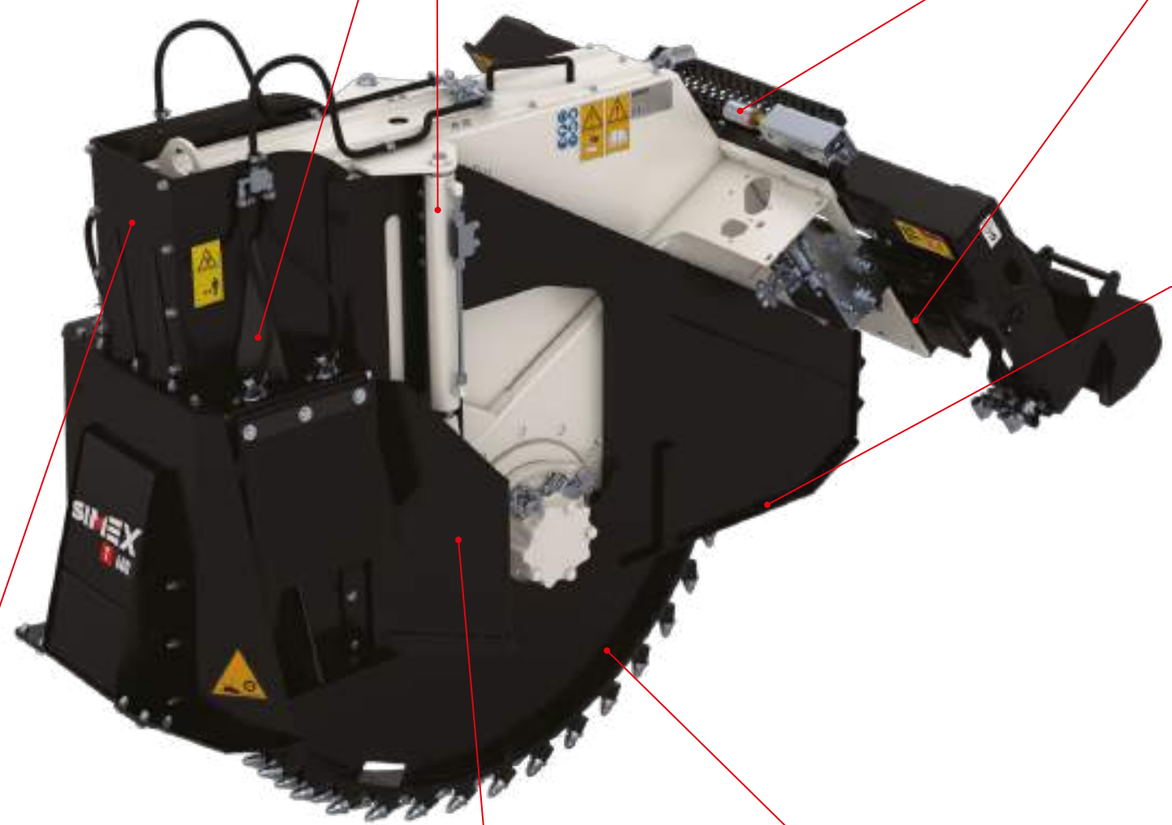
• ASPIRATION
By replacing the front section and closing the outlets, the excavated material can be aspirated with the aid of a vacuum truck. *(Optional)*

TA 300
Hydraulic lateral tilt: maintains the wheel saw vertical in any condition, even when the prime mover is not parallel to the road surface.



HYDRAULIC DEPTH ADJUSTMENT

WATER SPRAY
for dust control. *(Optional)*



SIDE DISCHARGE OF MATERIAL
Special design of outlets allows trench to be cleared efficiently at the depth programmed. Material is discharged to right or left, or totally to the LH side by closing the RH outlet (useful for roadside trenching). (except T800)

PERFORMER : THE PERFORMANCE OPTIMIZER
Informs the operator how to work with Simex attachments to maximize power and performance *(Optional)*

HYDRAULIC SIDE SHIFT

SCRAPERS: TRENCH CLEARING DEVICE
The trench clearing device is a blade that is hydraulically activated to enter the trench during work. Improves emptying and guarantees a clean trench (not for T 800). *(Optional)*

T 800
Compared to the other models of the T range, the T 800 is fitted with an integrated motor in the wheel that enters the trench and goes down to a depth of 800mm without excessively increasing the wheel diameter. The T 800 is also the only one that works reverse.

SEGMENTED WHEEL
Disk with removable, interchangeable segments allows quick variation of the trench width while maintaining the same base wheel.
(not for T 800)

SIMEX
HEAVY MADE EASY

RANGE
ST

ASPHALT FLOAT

ST 160B | ST 200 | ST 160

- Simple to use
- Easy to clean
- Lightweight for transport
- Reduces working times
- Clean result, safe working

ASPHALT FLOAT

ST asphalt floats are designed to lay asphalt or waste material to fill set-section trenches, create sidewalks or widen existing roadways. The lateral slides take the existing surface as reference, whereas the thickness of the laid asphalt can be adjusted. The floating transverse tilt can be locked in case a slide doesn't touch the ground. They can lay asphalt on sidewalks or widen the road surface without the prime mover passing over the spread material since they can work totally offset the machine.
(except ST 160B).

ADVANTAGES

- Simple to use
- Easy to clean
- Lightweight for transport
- Reduces working times
- Clean result, safe working

TECHNICAL DATA		ST 160B	ST 160	ST 200
Asphalt laying width regulation		Mech/Hydr.*	Hydraulic	Hydraulic
Asphalt thickness regulation *(independent RH-LH)*		Mechanical	Mechanical	Mechanical
Asphalt thickness	mm *inch*	0 - 100 *0 - 4*	0 - 100 *0 - 4*	0 - 100 *0 - 4*
Transverse tilt		5°	5°	5°
Tilt locking device		si	si	si
Side shift		-	Hydraulic	Hydraulic
Average working speed	m/min *inch/min*	50 - 120 *200 - 470*	50 - 120 *200 - 470*	50 - 120 *200 - 470*
Operating weight *(1)*	kg *lbs*	480 *1050*	610 *1350*	675 *1485*
Required oil flow	l/min *gpm*	45 *12*	45 *12*	45 *12*
Oil pressure	BAR *psi*	200 *2900*	200 *2900*	200 *2900*

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(*) Optional

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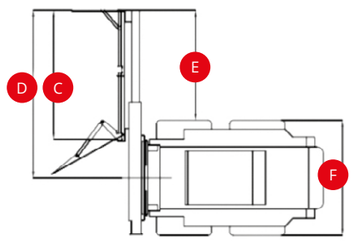

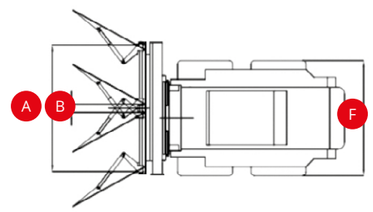

REF.		ST 160B
A	mm *inch*	1500
B	mm *inch*	125

REF.		ST 160	ST 200
A	mm *inch*	1500	1900
B	mm *inch*	125	125
C	mm *inch*	1560	1960
D	mm *inch*	1800	2550
E	mm *inch*	1075	1675
F	mm *inch*	1550	1750

SIMEX
HEAVY MADE EASY

RANGE
CB

CRUSHER BUCKETS

CB 900 **CB 1200** **CB 1500** **CB 2000** **CB 2500**

- Low noise output
- High cutting force
- High productivity
- Lightweight frame
- No vibrations
- Quick teeth replacement
- Safe coupling and decoupling
- Replaceable blades interchangeable for spoil piece size change

CRUSHER BUCKETS

Designed to reduce the volume of aggregates and reinforced concrete directly on site, CB crusher buckets with rotor system give optimal performance when working with iron, rock, soil and deformable parts, and wet or humid materials. The exceptional cutting force allows any material to be crushed thanks to the rotor with teeth activated by high-displacement radial piston hydraulic motors in direct drive. Automatic system inverts rotation of the drum in case of blocking (Simex patent).

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, essential for guaranteeing cabin opening and that coupling and decoupling are carried out in safety.

SIMEX • patent •

ADVANTAGES

- Low noise output
- High cutting force
- High productivity
- Lightweight frame
- No vibrations
- Quick teeth replacement
- Safe coupling and decoupling
- Replaceable blades interchangeable for spoil piece size change

TECHNICAL DATA		CB 900	CB 1200	CB 1500	CB 2000	CB 2500
Width	mm *inch*	1400 *55*	1500 *60*	1700 *67*	1900 *75*	2100 *83*
Bucket capacity (SAE)	m^3 y^3	0,30 *0,40*	0,45 *0,60*	0,55 *0,70*	0,75 *1,0*	0,90 *1,17*
Rotor width	mm *inch*	700 *27*	840 *33*	965 *38*	1100 *43*	850 *33*
Number of teeth	n°	5	6	7	8	8
Operating weight empty	kg *lbs*	570 *1250*	760 *1670*	950 *2090*	1150 *2530*	1620 *3560*
Operating weight at full load *(1)*	kg *lbs*	900 *1980*	1200 *2640*	1500 *3300*	2000 *4400*	2600 *5700*
Required oil flow	l/min *gpm*	40 - 80 *11 - 21*	70 - 150 *18 - 40*	70 - 150 *18 - 40*	70 - 150 *18 - 40*	120 - 300 *32 - 79*
Max. required oil pressure	BAR *psi*	300 *4350*	350 *5075*	350 *5075*	350 *5075*	350 *5075*

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REF.		CB 900	CB 1200	CB 1500	CB 2000	CB 2500
mm *inch*	0 - 30 *0 - 1,2*	■				
mm *inch*	0 - 40 *0 - 1,6*	■	■	■	■	
mm *inch*	0 - 50 *0 - 2,0*	■	■	■	■	■
mm *inch*	0 - 70 *0 - 2,7*	○	○	○	○	○
mm *inch*	0 - 100 *0 - 2,8*	■	■	■	■	■
mm *inch*	0 - 130 *0 - 5,1*		■	■	■	■

○ *Standard*
■ *On request*

SIMEX
HEAVY MADE EASY

RANGE
CHD

CHAIN TRENCHERS

CHD 90 **CHD 120** **CHD 150**

- Clean trench
- Maximum stability at any depth

CHAIN TRENCHERS

CHD Chain Trenchers are designed for set-section trenching on soft soils.

The discharge screw on the righthand side and the trench clearing device makes sure the trench is kept clean, while the slide provides maximum stability at any trenching depth.

Chain is available with hoe blades for soft soils or hoe blades with teeth for mixed soils.

SIMEX • patent • PERFORMER

ADVANTAGES

- Clean trench
- Maximum stability at any depth

TECHNICAL DATA		CHD 90	CHD 120	CHD 150
Max. trench depth	mm *inch*	900 *35*	1200 *47*	1500 *59*
Trench width - standard	mm *inch*	150 *6*	150 *6*	150 *6*
Trench width - optional	mm *inch*	200 - 250 *8 - 10*	200 - 250 *8 - 10*	200 *8*
Side shift		standard – hydraulic *(optional)*		
Scraper		mechanical spring-operated		
Operating weight *(1)*	kg *lbs*	715 *1575*	780 *1715*	830 *1830*
Required oil flow	l/min *gmp*	60 - 120 *16 - 32*	70 - 140 *18 - 37*	90 - 160 *24 - 42*
Max. oil pressure	BAR *psi*	250 *3625*	250 *3625*	250 *3625*

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RANGE

CT

VIBRATING WHEEL COMPACTORS

CT 2.8 BASE **CT 2.8 F.O.**

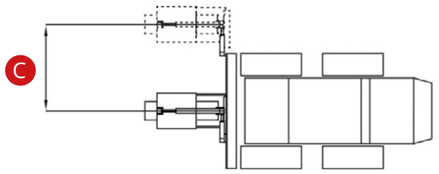
- Extremely precise and versatile
- Maximum operator comfort
- Result: solid, even and well compacted trench bottom

VIBRATING WHEEL COMPACTORS

Designed for compacting trench bottoms, Simex CT vibrating wheel compactors guarantee a permanently solid, even and well compacted bottom that ensures 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.
Possibility to mount the rotation allows compaction in any position, even in the most difficult-to-reach areas.



ADVANTAGES

- Extremely precise and versatile
- Maximum operator comfort
- Result: solid, even and well compacted trench bottom

TECHNICAL DATA		CT 2.8 BASE	CT 2.8 F.O.
Standard wheel			
Width of bolted sectors	mm *inch*	150 - 200 - 250 - 350 - 400 *6 - 8 - 10 - 12 - 14 - 16*	150 - 200 - 250 - 350 - 400 *6 - 8 - 10 - 12 - 14 - 16*
Working depth	mm *inch*	0 - 700 *0 - 27*	0 - 700 *0 - 27*
Special wheels			
Wheel width	mm inch	50 - 100 *2 - 4*	50 - 100 *2 - 4*
Working depth	Kg *inch*	0 - 350 0 - 14	0 - 350 *0 - 14*
Vibration frequency	Hz	30 - 40	30 - 40
Hydraulic side shift (C)	mm *inch*	-	1100 *43*
Hydraulic transveral tilt		-	18°
Max. vertical force	kN *lbf*	42 *9400*	42 *9400*
Operating weight *(1)*	kg *lbs*	720 - 770 *1500 - 1700*	820 - 970 *2020 - 2150*
Required oil flow	l/min *gpm*	40 - 50 *11 - 13*	50 - 70 *13 - 18*
Max. oil pressure	BAR *psi*	220 *3200*	220 *3200*

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Counter-rotating vibrating double shaft
positioned at center of wheel

Easily replaceable segments
for quick adjustment of compaction wheel width

SIMEX
HEAVY MADE EASY

RANGE
BC

BEACH CLEANER

BC 200

- Efficient working with wet or dry sand and soil
- Large-sized hopper

RANGE
BC

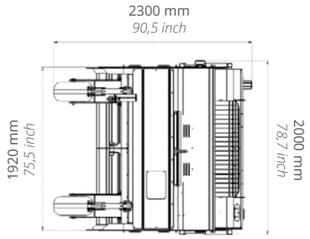
BEACH CLEANER

BC 200

Simex BC Beach Cleaners are ideal for sifting wet or dry sand to remove fine debris and cigarette butts.

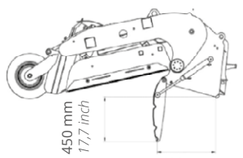
The debris is easily collected and discharged thanks to the high capacity hopper and hydraulic discharge activated from the cabin.

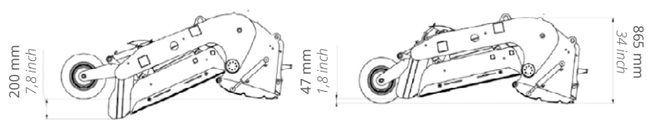
SIMEX • patent •



ADVANTAGES

- Efficient working with wet or dry sand and soil
- Large-sized hopper





TECHNICAL DATA		BC 200
Hopper capacity	l y3	350 *0,45*
Weight *(1)*	kg lbs	690 *1515*
Max. oil pressure	BAR psi	250 *3625*
Required oil flow	l/min gpm	70 - 90 *18 - 24*
Sifting meshes – Screen size *(Standard)*	mm inch	15x15 *0,6x0,6*
Sifting meshes – Screen size *(Optional)*	mm inch	10x10 - 20x20 *0,4x0,4 - 0,8x0,8*
Working depth	mm inch	0 - 200 *0 - 8*

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Utilities
Quarries and mines
Demolition
Port and underwater works
Construction and building
Infrastructure
Tunneling
Agriculture and forestry
Recycling
Roadworks
Trenching
Mini-excavator
Excavator
Skid steer loader
Front loader
Backhoe

SIMEX HEAVY MADE EASY

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