

simex.it

## PRODUCT CATALOGUE



WE DESIGN  
CUSTOMER SATISFACTION.

## SIMEX. PAVING THE WAY FOR TWENTY YEARS.

Simex was born from an idea: to design and manufacture equipments which allow users to work better, simply, quickly and –above all- safely.

Whether this concept concerns road maintenance, construction of under-ground utilities, tunnel digging, or quarrying, it does not matter a lot, we are convinced that our job, after twenty years, remains the same: finding new solutions. The seven Simex patents are there to show it.

We have been led by continuous investment in technology and production facilities, the added value brought by the people who work with us, and the attention and respect for those who chose our products.

Along these 20 years, we kept on adding new products to widen our range.

For example:

- wheel saws and vibrating wheel compactors for SSL;
- double drum rotary cutters with internal hydraulic motor to save space and improve energy efficiency;
- crusher buckets with rotor capable of handling mixed, dirty, and wet materials, as well as materials with rebars inside.

About 70% of our production is now exported to major markets worldwide.

Nel tempo abbiamo fatto crescere il servizio di pari passo al prodotto, trasformandolo di fatto in parte integrante del concetto di "soddisfazione del cliente" che esprimiamo nel nostro slogan.

Over time, we have increased our level of service alongside with the product, transforming it into an integral part of the concept of "customer satisfaction", which we express in our slogan.

Simex' business development has always been based on the principles of honesty and responsibility.

A philosophical choice that allows us to pursue excellence, through a continuous improvement, abidance by the rules and our commitment to professional ethics.

Our twenty years are all this and, we would like to say, without too much pomp, that we are proud of them. It is an ongoing journey that will no doubt lead us finding new solutions to new problems.

What will remain the same, though, are the strong values that have enabled us to get this far.

Just a quick overlook at some of our crucial points:

- 1991 - year of establishment. Design and manufacture of equipment for cutting asphalt to be fitted on SSL, loaders and backhoe loaders.
- 1996 - relocation of premises with start of internal productions. Improved flexibility, quicker deliveries, quality control, and customer service.
- 1999 - creation of our self-levelling planers, which are protected by a major international patent. These machines allow operators to work with extreme ease and accuracy. Simex becomes the undisputed leader of this sector.
- 2003 - relocation to the present site, whose 6000 sqm of indoor space (including a testing and demo area) has enabled a substantial increase in production and organisational capacity.
- 2011 - expansion of covered space (to over 10000 sqm, including 4000 sqm of warehousing), to squeeze lead times. The quality control and customer service departments were also enlarged.



WE DESIGN  
CUSTOMER SATISFACTION.



# INDEX

<b>FIELDS OF APPLICATION</b>	4
<b>PERFORMER</b> performance optimizer	6
<b>PL</b> SELF LEVELLING PLANERS	8
<b>T</b> WHEEL SAWS	12
<b>CHD</b> CHAIN TRENCHERS	14
<b>PV</b> COMPACTION PLATES	15
<b>ST</b> ASPHALT FLOATS	16
<b>CB</b> CRUSHER BUCKETS FOR FRONT LOADERS	18
<b>CBE</b> CRUSHER BUCKETS FOR EXCAVATORS	20
<b>CT</b> COMPACTION WHEELS	24
<b>PLB</b> PLANERS FOR EXCAVATOR	26
<b>TF</b> ROTARY CUTTERS	28



# SIMEX. BETT

## WHY SIMEX

Because Simex offers a wide range of technologically innovative equipment that enhance versatility of your machine fleet.

Our attachments allow you to work faster and more effectively.

Visit your nearest Simex dealer and ask for more details

Touch with your hand how, with Simex, you will always get the work done quicker and better.



PLANING

CANALIZATION  
AND  
EXCAVATIONS

DEMOLITION  
AND  
EARTH MOVING

EXCAVATORS



PLB - TF

TF

TF

BACKHOE  
LOADERS



PL - PLB - TF

T - TF - CHD

TF

LOADERS



PL

T - CHD

SKID STEER  
LOADERS



PL

T - CHD













TELEHANDLERS



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

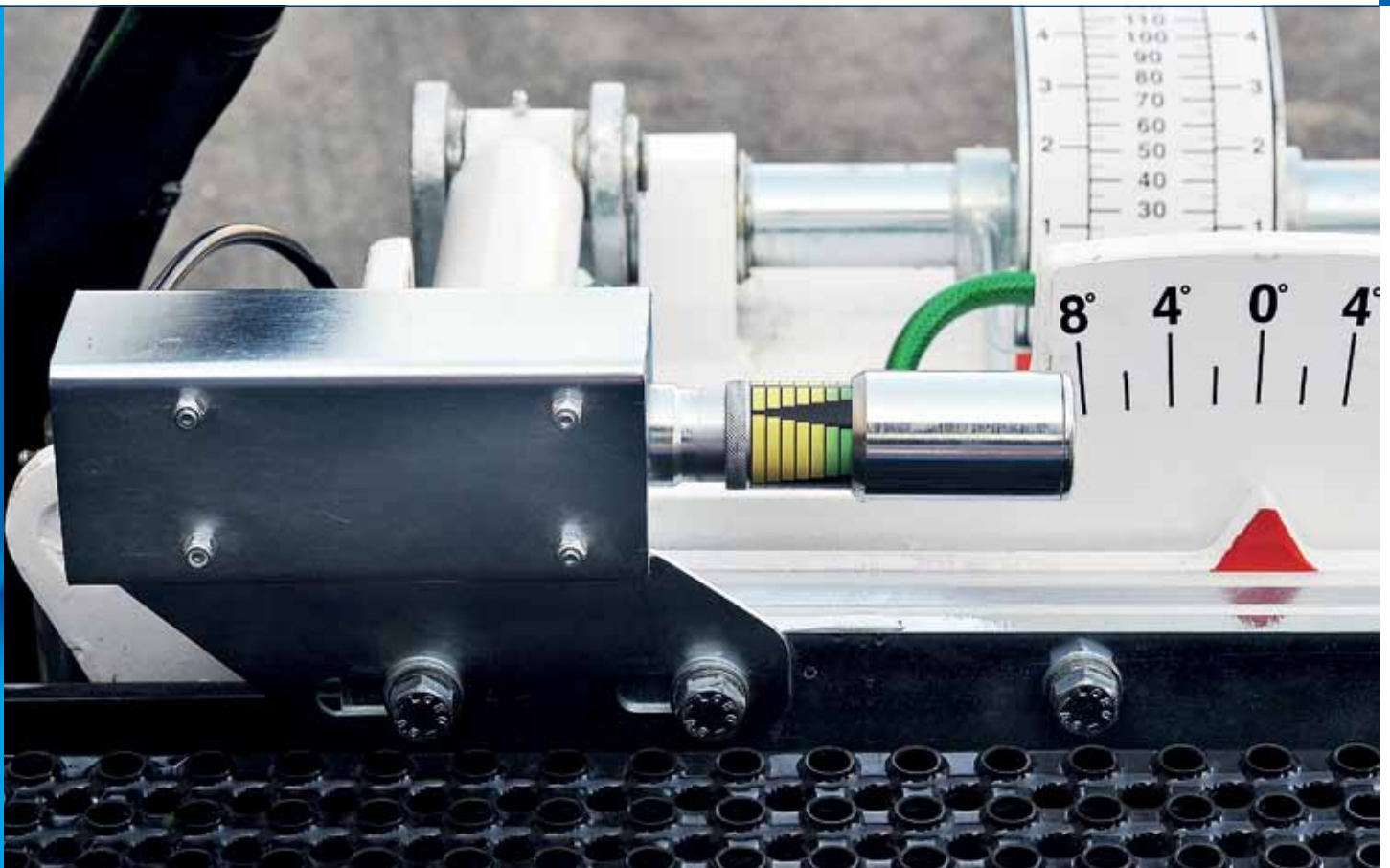


# ER JOB IN SHORTER TIME.

 <b>TF</b> SIMEX PATENT		 <b>ST</b>	 <b>CBE</b> SIMEX PATENT	
 <b>TF</b> SIMEX PATENT	 <b>PV</b> SIMEX PATENT	 <b>ST</b> SIMEX PATENT	 <b>CB</b> SIMEX PATENT	
 <b>PLB</b>	 <b>CT</b>	 <b>ST</b> SIMEX PATENT	 <b>CB</b> SIMEX PATENT	
QUARRYING AND TUNNELING	COMPACTING	ASPHALT PAVING	CRUSHING	
PLB - TF	CT - PV		CBE	
PLB - TF	CT - PV	ST	CB	
	CT	ST	CB	
	CT	ST	CB	
		ST	CB	

**PERFORMER**

## Performance optimizer



PERFORMER is a device which allows the operator to monitor and maximize the machine hydraulic power to guarantee top performance of SIMEX attachments

Thanks to SIMEX patented design, this device calibrate itself exactly on the maximum pressure of the machine which carries the attachment..

The PERFORMER clearly indicates the operator how to work with SIMEX attachments at the maximum available power at all the time.

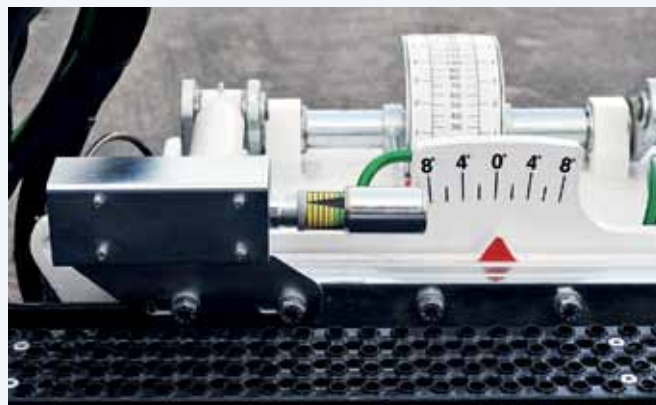
Thanks to PERFORMER, the operator can work faster and with higher productivity. Simex attachments always work at their full potentiality.

**Simex Performer.**  
**Enhances your business.**

## Many advantages of SIMEX Performer

- ✓ Optimal use of the hydraulic power of the prime mover.
- ✓ Simex attachment always work at its full potentiality.
- ✓ No waste of time.
- ✓ Less overheating for the prime mover.

### ERGONOMICAL POSITION



Placed where the operator always can see it clearly and without distraction.

### AUTO CALIBRATING



The scale automatically goes on the maximal pressure given by the prime mover.

### EASY TO READ



Different colors and a visual indicator (for the ones who cannot properly see colors) easily show if the working speed can be increased, if it is optimal or if it is close to stall.



# SELF LEVELLING PLANERS **PERFORMER**



**PERFORMER**

SIMEX  
PATENT

To always use full Simex attachment's power.

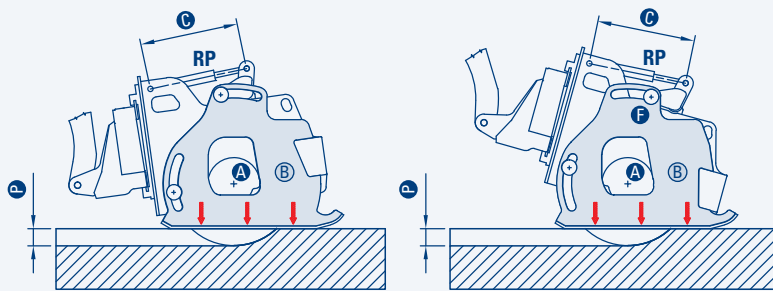
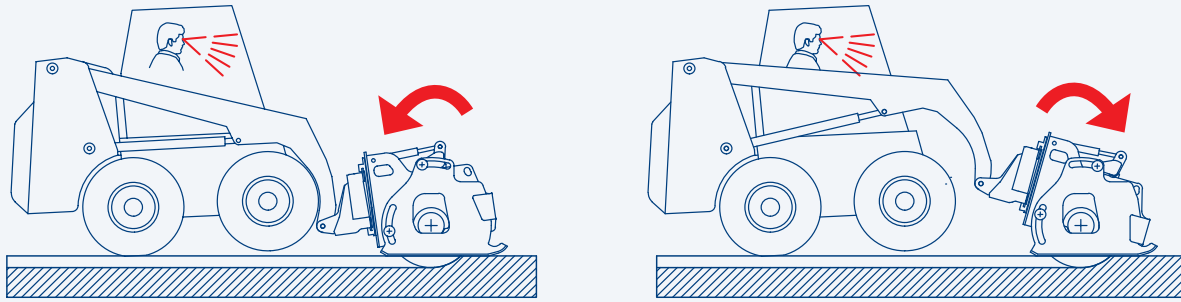


## High efficiency

Thanks to the piston motors direct driving the cutting drum, the maximum hydraulic and mechanical efficiency is always granted, reducing the oil heating issues.



## HOW IT WORKS



The depth adjuster **RP** (mechanical or hydraulic) moves the fulcrum **F** up and down, determining the working depth **P**. If the planer is not horizontal to the surface, the side **B** rotates forward or rearward comparing to the virtual axis **A**; the lateral skis are this way always adherent to the surface and the working depth **P** stays constant while advancing. The working depth **P** can be modified only by changing the stroke **C** of the depth adjuster **RP**.

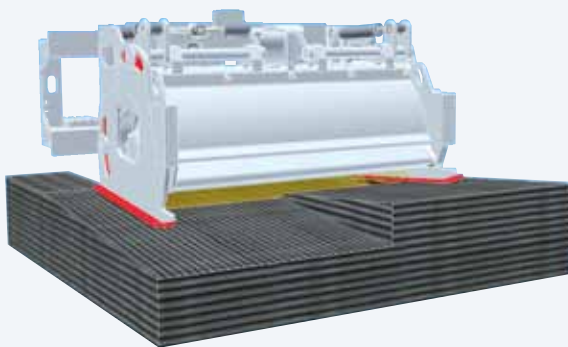
## CONSTANT PLANING DEPTH. ALWAYS

Independently from the ground contour, from the position of the planer and from the arms tilt.

## NO MORE VISIBILITY PROBLEMS FOR THE OPERATOR.

The skis automatically aligns to the surface which must be planed. Therefore the operator must not take care of the problems coming from the bad visibility of the working area anymore because he is certain that the planning depth he is getting is exactly and constantly the ones originally set.

## ADVANTAGES



## INDEPENDENT SLEIGHS

The sleighs move independently one from each other perfectly following the working surface (left and right).

This way the operator can get:

### - MAXIMUM STABILITY AND NO VIBRATIONS

The constant and perfect alignment with the surface grants the maximum stability.

### - PERFECT CONTAINING OF THE DUG MATERIAL

With the skis always adherent to the surface, the dug material does not get out. No launches.

## INDEPENDENT LEFT AND RIGHT DEPTH ADJUSTMENT

Perfect levelling of the working surface. No steps in case of side passes.

Can be obtained like that:

**PERFECT FLAT SURFACE IN CASE OF SIDE PASSES,**

otherwise

**POSSIBILITY OF GETTING INCLINED PLANS.**





## SPECIFICATIONS

	STANDARD FLOW PLANERS		HIGH FLOW PLANERS		
	PL 25.10	PL 35.15	PL 40.15	PL 45.20	PL 55.20
<b>Performer</b>	optional	optional	optional	standard	standard
<b>Standard drum</b>					
Width	250	350	400	450	550
Depth	0-70	0-110	0-150	0-150	0-150
<b>Special drums (1)</b>					
Width	25 ÷ 250	30 ÷ 400	30-400	30 ÷ 400	30 ÷ 550
Max. depth	130	150	170	200	200
Self levelling angle	30°	30°	30°	30°	30°
Depth adjustment	independent left and right mechanical or hydraulic*				
Side shift	mech./hydr.*	mech./hydr.*	mech./hydr.*	hydraulic	hydraulic
Tilt	on request	on request	on request	autom./hydraulic	autom./hydraulic
Inclination	-	16° (optional)	16°	16°	16°
<b>Operating weight (2)</b>	350	590-850	660	790(1)-940	840-1050
<b>Required oil flow</b>	30-60	45-75	65-140	65-140	70-140
<b>Required oil pressure (3)</b>	240-160	240-160	240-170	300-160	300-160
Dust prevention water system (optional)	Kit for cab mounting with electro pump or integrated in the side shift frame with electro pump				

(\*) Optionals.

(1) Concerning the planer standard version, without the removal belt.

## BUILT-IN WATER TANK WITH PUMP

**SIMEX**  
PATENT



## MULTI-TEETH DRUM FOR FINE MILLING

**Perfect accuracy** thanks to the self levelling system.  
Ideal for line removal and fine surface finishing.



### HIGH POWER PLANERS FOR

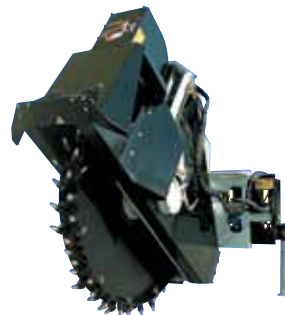
PLANING			SCARIFICATION		HIGH DEPTH			
PL 50.20	PL 60.20	PL 75.20	PL 1000	PL 1200	PL 40.35	PL 60.25	PL 100.25	
standard	standard	standard	standard	standard	standard	standard	standard	
500	600	750	1000	1200	400	600	1000	mm
0-170	0-170	0-170	0-130	0-130	100-350	0-250	0-250	mm
50 ÷ 500	50 ÷ 600	75 ÷ 750	500 ÷ 1000	600 ÷ 1200	250 ÷ 400	75 ÷ 600	1000	mm
230	230	230	130	130	350	250	250	mm
30°	30°	30°	30°	30°	26°	26°	26°	
independent left and right mechanical or hydraulic*								
hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	hydraulic	
autom./hydraulic	autom./hydraulic	autom./hydraulic	autom./hydraulic	autom./hydraulic	autom./hydraulic	autom./hydraulic	autom./hydraulic	
16°	16°	16°	16°	16°	16°	16°	16°	
900-1050	950(1)-1100	1050-1250	1090(1)-1200	1210-1320	1150-1270	1200-1350	1650-1760	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 cab mounting with electro pump or integrated in the side shift frame with electro pump								

- (2) User is responsible for ensuring that the equipment meets the prime mover's specifications and weight requirements.  
(3) The pressure must be in inverse relation with the flow rate available and vice versa.



# WHEEL SAWS

## PERFORMER



### Ideal for cutting small, fixed section trenches

Fixed section on hard and compact surfaces. Asphalt, concrete and rock.

### Maximum safety

Total wheel protection at every working depth. Maximum safety for people and things.

### High efficiency

Thanks to the piston motors direct driving the cutting drum, the maximum hydraulic and mechanical efficiency is always granted, reducing the oil heating issues.

**PERFORMER**

SIMEX  
PATENT

To always use full Simex attachment's power.





LATERAL DISCHARGE OF SPOIL



Dug material gets out on both or just one side.

TRENCH CLEARING DEVICE



A special blade grants the trench to be cleaned from the dug material.

TRENCH WIDTH

mm	T 300	T 450	T 600	T 800
30	●			
50	●	●		
80	○	●	●	
100		●	●	
130		○	○	
160		●	●	
200		●	●	
250				○

○ Standard ● Optional



SPECIFICATIONS

	MICRO TRENCHING MINI TRENCHING	MINI TRENCHING TRENCHING		TRENCHING	
	T 300	T 450	T 600	T 800*	
Performer	optional	standard	standard	standard	
Digging depth	200 - 300	150 - 450	200 - 600	450 - 800	mm
Depth adjustment	mechanical	hydraulic	hydraulic	hydraulic	
Side shift	hydraulic	hydraulic	hydraulic	hydraulic	
Trench clearing device	optional	optional	optional	-	
Operating weight (1)	615	1155	1260	1430	kg
Required oil flow	60 - 140	80 - 160	90 - 160	110 - 160	l/min
Required oil pressure (2)	300 - 160	300 - 160	300 - 160	300 - 180	BAR

\* Works rearwards  
(1) User is responsible for ensuring that the equipment meets the prime mover's specifications and weight requirements.  
(2) The pressure must be in inverse relation with the flow rate available and vice versa.

# CHAIN TRENCHERS



## IDEAL FOR SMALL, FIXED SECTION TRENCHES

With hoes blades for natural soil, or with teeth and hoes, for digging in hard, compact ground.

## SPECIFICATIONS

	CHD 90	CHD 120	CHD 150	
<b>Performer</b>	optional	optional	optional	
Max. depth	900	1200	1500	mm
Trench width std.	150	150	150	mm
Max. trench width	250	250	200	mm
Side shift	free hydraulic (*)			
Trench clearing device	mechanical spring operated			
<b>Required oil flow</b>	60 - 120	70 - 140	90 - 160	l/min
<b>Required oil pressure</b>	250 - 180	250 - 180	250 - 180	BAR
<b>Operating weight (1)</b>	715	780	830	kg

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

(\*) Optional.

# COMPACTION PLATES



**CONSTANT LUBRICATION.  
NO NEED FOR GREASE. NO MAINTENANCE.**

Cylindrical vibrating box for a constant lubrication, both working on a flat surface or on an inclined wall.

**360° HYDRAULIC ROTATION**

It can be easily placed in every angle to properly operate in which-ever direction.

## SPECIFICATIONS

	PV 300	PV 450	PV 600	PV 700	PV 850	
Plate size	320x717	485x706	610x890	712x1161	863x1109	mm
Vibration frequency	2100	2100	2100	2100	2100	min
Compacting force	14	23	28	68	93	KN
<b>Required oil flow</b>	30	57	75	110	155	l/min
<b>Required oil pressure</b>	160	160	160	160	160	BAR
<b>Operating weight</b>	165	315	460	875	1040	kg
<b>Excavator weight (1)</b>	1,5 - 4	4 - 10	6 - 12	9 - 22	20 - 40	ton

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



# ASPHALT FLOAT



## Easy to use

Patented system. Extremely intuitive to use in the daily job.

## Huge cost and time saving

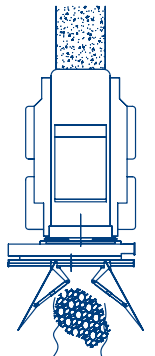
Up to 10 times more quicker than manual labour. In a cleaner, more consistent and safer manner.

## Easy to clean. Light.

It has been designed by purpose without a material container. Just place material in front of the float and go forward.

## CROSS-SECTION TRENCH FILLING AND ASPHALT FINISHING

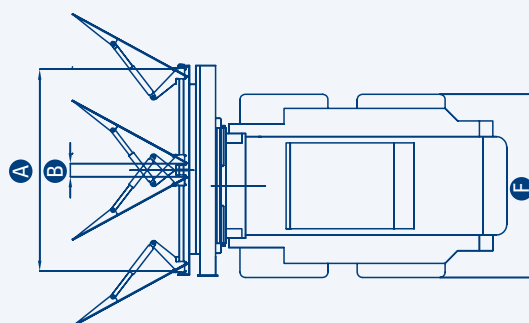
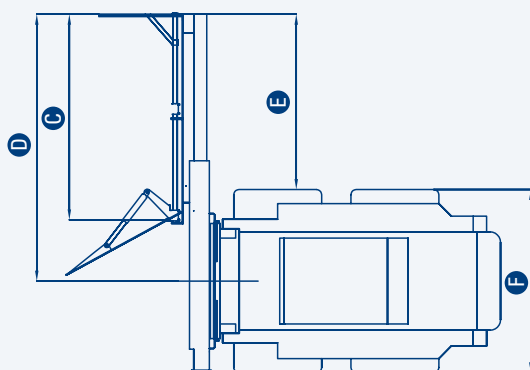
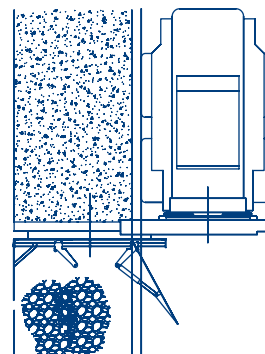
High speed and accuracy.





## SIDEWALK ASPHALT SURFACING

Hydraulic device to allow operation outside of the prime mover profile. 1700 mm offset.

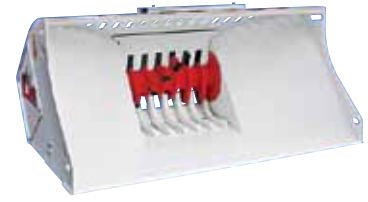


## SPECIFICATIONS

	ST 160	ST 200	
<b>A</b>	1500	1900	mm
<b>B</b>	125	125	mm
<b>C</b>	1560	1960	mm
<b>D</b>	1800	2550	mm
<b>E</b>	1025	1675	mm
<b>F</b>	1550	1750	mm
Width adjustment	hydraulic		
Asphalt thickness adjustment (independent on the RH and on the LH sides)	mechanical (screw) or electrical (optional)		
Asphalt thickness	0-100		mm
Side shift	hydraulic		
Transversal inclination	5°		
Average working speed (cross-section trenches)	50-120		m/min
<b>Operating weight (1)</b>	570	620	kg

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

# CRUSHER BUCKETS



## For frontal position

To be fitted on loaders, skid loaders, backhoe loaders and telescopic handlers.

## Big saving

Spoil can be on-site-re used. Efficiency increase and costs drop.

## Easy to use

It works on site. It loads up material like a standard loading bucket and it manoeuvres even in small, narrow worksites.

## Maximum safety

No dangerous vibrations to the operator or prime mover

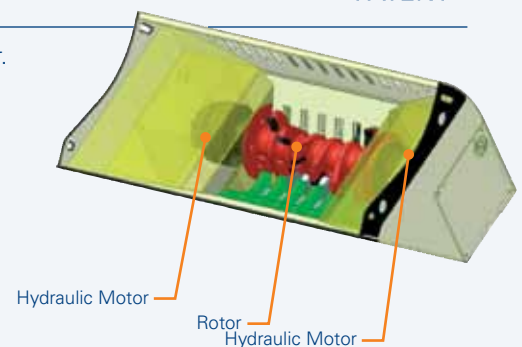
## CRUSHING BY ROTOR

Rotor with teeth powered by two high-displacement hydraulic radial piston motor.

SIMEX  
PATENT

### ADVANTAGES

- High performance.
- High teeth breakout force.





## MATERIAL TO CRUSH



## CRUSHED MATERIAL



## SPOIL PIECE SIZE

	0-30	0-50	0-70	0-100	0-130
CB800 CB950	●	●	○	●	
CB1100 CB1250 CB1400 CB1600 CB2000		●	○	●	
CB2500 CB3500		●	○	●	●

○ Standard ● Optional

## OUTPUT PER HOUR

	In optimal conditions	In average conditions	
CB800 CB950	10	5	m³
CB1100 CB1250	15	8	m³
CB1400 CB1600 CB2000	18	10	m³
CB2500 CB3500	30	15	m³

Output considering medium hardness material and std. spoil piece size.

## MATERIAL THAT CAN BE CRUSHED

- Rubble
- Bricks
- Concrete
- Glass
- Reinforced concrete
- Natural aggregates
- Tiles
- Asphalt slabs

### It easily withstands the presence of

- Natural soil
- Humid or wet material
- Re-bars

## SPECIFICATIONS

	CB 800	CB 950	CB 1100	CB 1250	CB 1400	CB 1600	CB 2000	CB 2500	CB 3500	
Width	1400	1450	1500	1600	1700	1800	1900	2100	2300	mm
SAE capacity (1)	0,23	0,31	0,34	0,43	0,52	0,61	0,73	0,80	1,30	m³
Bucket weight (empty)	545	608	725	770	820	925	1195	1620	2060	kg
Loaded bucket weight (1)(2)(3)	800	950	1100	1250	1400	1600	2000	2500	3500	kg
Rotor width	450	450	550	550	650	650	650	850	850	mm
Number of teeth	4	4	5	5	6	6	6	8	8	n°
<b>Required oil flow</b>	50 - 150	50 - 150	60 - 200	60 - 200	70 - 200	70 - 200	80 - 200	100 - 350	120 - 350	l/min
<b>Required oil pressure</b>	350 - 180	350 - 180	350 - 180	350 - 180	350 - 180	350 - 180	350 - 180	350 - 180	350 - 180	BAR

(1) Data according to spoil with max. density of 1.1 ton/m³.

(2) The maximum operating load permitted for the prime mover, 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 prime mover's specifications and weight requirements.



# CRUSHER BUCKETS



## Maximum safety

Rotor spins continuously. No vibration transmitted to the operator or prime mover. Low noise level.

## Designed to be fitted on the excavator arm

They can work operating both in the front or back position. Sturdy but light-weight structure for a perfect matching with the prime mover.

## Easy to use

Wide capacity for an easy loading. Shaped as a standard bucket for a better functionality.

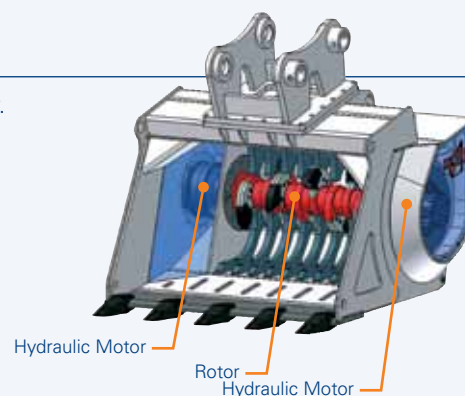


## CRUSHING BY ROTOR

Rotor with teeth powered by two high-displacement hydraulic radial piston motor.

### ADVANTAGES

- The huge tooth force can **crush every kind of material**.
- **Replaceable blades** to get different spoil piece sizes.
- A scraper **prevents re-bar getting stuck around the rotor**.
- The system **works efficiently even with soil**, humid or wet materials.

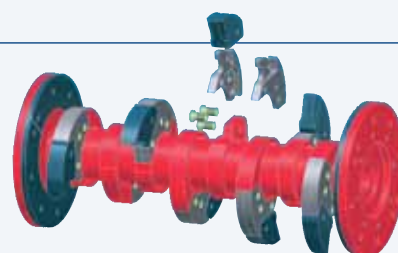


## REPLACEABLE TEETH

New concept to fix the tooth to the rotor .

### ADVANTAGES

- Teeth with large anti-wearing surface for a **greater protection and longer life**.
- **Teeth holders can be replaced** (CBE 20, CBE30, CBE40, CBE50).
- **Quick and easy** teeth **replacement**.



### MATERIAL TO CRUSH



ø 223 mm ball

### CBE ROTOR ENTRANCE



### CRUSHED MATERIAL



### MATERIALS THAT CAN BE CRUSHED

- Rubble
- Bricks
- Concrete
- Glass
- Reinforced concrete
- Natural aggregates
- Tiles
- Asphalt slabs

#### It easily withstands the presence of

- Natural soil
- Humid or wet material
- Re-bars

### SPOIL PIECE SIZE

mm	CBE 10	CBE 20	CBE 30	CBE 40	CBE 50
0-40	●				
0-50	●				
0-60	○	●	●	●	
0-70	●	○	○	○	●
0-80	●	●	●	●	○
0-100		●	●	●	●
0-120					●

○ Standard

● Optional

## EASY TO LOAD UP

Wide opening for an easier load up.



## NO PROBLEM WITH IRON

The rotor system can easily crush re-bars.



## NO PROBLEM WITH WET OR HUMID MATERIALS

The presence of wet or humid materials, mud, wood, plastic and deformable materials in general does not create any kind of obstacle.



## STRONG AND STEADY

It works with no problems also in presence of rock or other dug hard materials.



## OUTPUT PER HOUR

	In optimal conditions	In average conditions	
CBE 10	15	8	m³
CBE 20	25	14	m³
CBE 30	35	22	m³
CBE 40	44	28	m³
CBE 50	70	45	m³

## SPECIFICATIONS

	CBE 10	CBE 20	CBE 30	CBE 40	CBE 50	
Width	1250	1400	1640	1860	2440	mm
SAE capacity	0,40	0,60	0,82	1,05	1,80	m³
Bucket weight (empty) (1)	880	1340	2290	2890	4640	kg
Rotor width	550	630	750	970	1290	mm
Number of teeth	5	5	6	8	10	n°
Excavator weight (2) (3)	8 - 12	12 - 18	18 - 30	24 - 35	35 - 50	ton
<b>Required oil flow</b>	80 - 190	100 - 230	200 - 400	200 - 400	350 - 550	l/min
<b>Required oil pressure</b>	350 - 230	350 - 230	350 - 230	350 - 230	350 - 230	BAR
<b>Max. cutting force</b>	88 - 56	102 - 62	152 - 92	152 - 92	190 - 122	KN

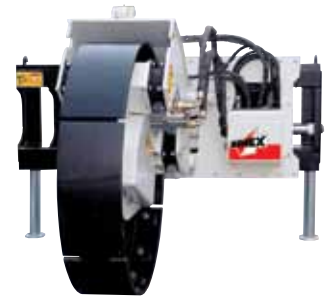
(1) Without bracket.

(2) The maximum operating load permitted for the prime mover, 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 prime mover's specifications and weight requirements.



# COMPACTION WHEELS

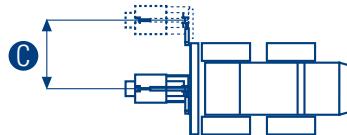


## Maximum safety

Guarantee a firm, even and extremely compact bed which stands the test of time and offers maximum road traffic safety.

## Big performance

Work is possible also in full offset position.



## Excellent insulation from vibration.

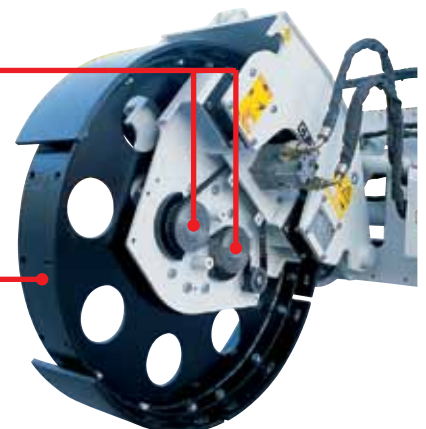
Greater protection of the driving machine and the operator comfort.

## REVERSE ROTATION VIBRATING TWIN SHAFT

Fitted in the wheel centre.

## EASY-TO-REPLACE PADS


For quick adjustment of the compacting wheel width.







## SPECIFICATIONS

	CT 2.8 STANDARD	CT 2.8 FULL OPTIONAL	CT 2.8 BACKHOE	
<b>Standard wheels</b>				
Wheel width*	200-250-300-350-400	200-250-300-350-400	200-250-300-350-400	mm
Working depth	0-700	0-700	0-700	mm
<b>Special wheel without pads</b>				
Wheel width*	50-100-150	50-100-150	50-100-150	mm
Working depth	0-350	0-350	0-350	mm
Vibration frequency	30-40	30-40	30-40	Hz
Max. vertical force	42	42	42	KN
Hydraulic side shift 	-	1100	-	mm
Hydraulic transverse angle	-	18°	-	
<b>Operating weight (1)</b>	710-770	910-970	530-585	kg
<b>Required oil flow</b>	30-50	45-60	30-50	l/min
<b>Required oil pressure</b>	150-220	150-220	150-220	BAR

(\*) Shoes with different widths available on request.

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

# PLANERS FOR EXCAVATOR **PERFORMER**



## **PERFORMER**

SIMEX  
PATENT

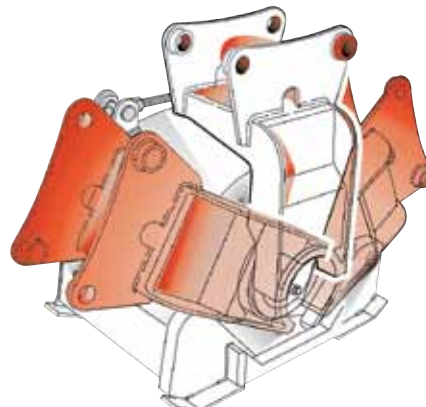
To always use full Simex attachment's power.

## Working depth guaranteed

Easy handling thanks to the swinging support and great accuracy on the working surface.

## Great versatility

It can work on any surface: horizontal, vertical and inclined. Ideal for asphalt and concrete.



Compact structure with swinging support pivoted into the centre of the cutting drum.





## SIMEX PATENT

### INDEPENDENT LEFT AND RIGHT DEPTH ADJUSTMENT

The Simex patent states that one ski is adjustable up and down, independent and free to tilt for a perfect ground contour.

### PERFECT FLAT PLANS WITH FLANKED PASSES

Independent depth adjustment on left and right side: perfect leveling of the working area, easy to get with flanked passes with no steps in between.



## SPECIFICATIONS

	PLB 200	PLB 300	PLB 350	PLB 450	PHD 450	PLB 600	PHD 600	
<b>Performer</b>	optional	optional	optional	standard	standard	standard	standard	
<b>Standard drum</b>								
Width	200	300	350	450	450	600	600	mm
Depth	0-70	0-100	0-120	0-150	0-180	0-150	0-200	mm
<b>Special drums</b>								
Width	50 - 250	50 - 300	50 - 350	75 - 450	75 - 450	75 - 600	75 - 600	mm
Max. Depth	125	130	150	200	220	170	250	mm
Min. distance from side path	40 (20*)	50 (25*)	50 (27*)	60 (30*)	75 (40*)	65 (30*)	75 (40*)	mm
Rotation angle of the swinging support	120°	127°	118°	120°	102°	112°	105°	
<b>Operating weight</b>	185	390	530	710	900	985	1200	kg
<b>Required oil flow</b>	30 - 50	45 - 75	45 - 75	75 - 140	90 - 140	100 - 200	120 - 200	l/min
<b>Required oil pressure (1)</b>	250 - 180	250 - 180	250 - 180	250 - 180	250 - 180	300 - 180	300 - 180	BAR
<b>Excavator weight (2)</b>	2 / 4	3 / 6	5 / 9	7 / 13	10 / 16	14 / 18	16 / 24	ton

(1) The pressure must be in inverse relation to the available flow rate and vice versa.

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

(\*) Optional.



# ROTARY CUTTERS

Twin drum



## Accurate job

No vibrations transmitted to the surrounding area.

## Low noise Low vibrations level

Possibility to work close by houses, hospitals, schools, bridges, other infrastructures.

## Highly performing

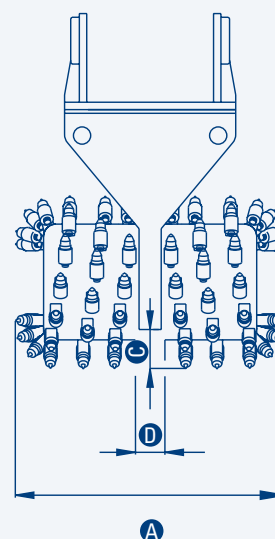
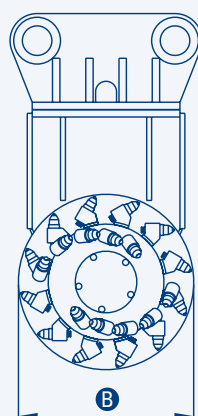
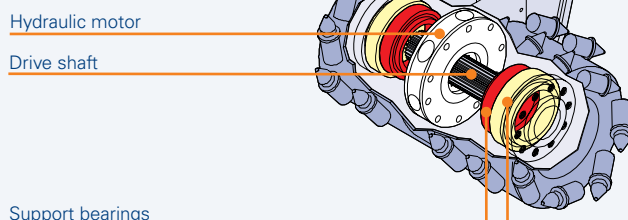
Ideal for trenching in hard and compact ground, concrete or rock wall profiling, quarrying, demolition and dredging.

## Indispensable

Indispensable where standard excavation systems are too weak and percussion systems have little effect.

## HIGH PERFORMANCE

Integrated high-displacement hydraulic radial piston motor to ensure **high performance** and **high rotation torque**.



## SPECIFICATIONS

	TF 200	TF 400	TF 600	TF 800	TF 1000	TF 2000	TF 3000	
<b>A</b> (standard drums)	565	625	700	800	900	1100	1250	mm
<b>A</b> (wall profiling)	650	750	850	1000	1200	1400	1400	mm
<b>B</b>	380	450	500	590	660	710	730	mm
<b>C</b>	75	75	75	95	110	120	120	mm
<b>D</b>	110	130	130	150	160	175	300	mm
<b>Excavator weight (1)</b>	2,5 - 7	6 - 12	9 - 16	14 - 22	20 - 34	28 - 45	40 - 60	ton
Hydraulic motor power	27 - (37)	37 - (50)	50 - (68)	61 - (83)	87 - (118)	112 - (152)	165 - (225)	kw (cv)
<b>Required oil pressure (2)</b>	350 - 200	350 - 200	350 - 200	350 - 200	350 - 210	400 - 210	400 - 210	BAR
<b>Required oil flow (3)</b>	45 - 80	65 - 120	90 - 150	105 - 190	150 - 250	170 - 340	250 - 480	l/min
Max torque	2,5	4,6	6,9	9,5	15,6	19,1	38,2	KNm
Max cutting force	13,5	20,3	27,6	31,8	47,3	53,9	103,2	KN
Weight (standard drum - no bracket)	300	470	640	1035	1575	2240	3650	kg

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

(2) The cutting force decreases at the pressure and/or oil capacity reduces.

(3) Number of revolutions and cutting speed decrease as the oil capacity reduce.



## SECTION TRENCHES



## QUARRYING



## DEMOLITIONS



## WALL PROFILING



## WORKS ON ROCK



## TUNNELING



## STRIPPING AND DEVELOPMENT



## UNDER WATER JOBS





# ROTARY CUTTERS

Continuous cutting – For mini excavators



Patented

Ideal  
for finishing jobs  
on flat surfaces

Excellent job  
for stump grinding

New system without non working zone  
(Simex patent).

## SPECIFICATIONS

		TF 50	TF 100	
Width (cutting profile)		360	470	mm
Drums diameter (cutting profile)		230	260	mm
Weight (1)		90	170	kg
Recommended excavator weight (2)		1,2 - 2,5	2,0 - 4,0	ton
<b>Required oil flow</b>		20 - 35	30 - 50	l/min
<b>Required oil pressure</b>		175 - 250	175 - 300	BAR
Max. torque	at 250 BAR - 590 Nm	590	-	Nm
Max. torque	at 300 BAR - 590 Nm	-	1060	Nm
Max. cutting force	at 250 BAR - 5100 N	5100	-	N
Max. cutting force	at 300 BAR - 8100 N	-	8100	N

(1) Without bracket.

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

