

simex.it

PRODUCT CATALOGUE



WE DESIGN
CUSTOMER SATISFACTION.

SIMEX.

PAVING THE WAY FOR MORE THAN TWENTY YEARS.

Simex originated from a single idea: to design and manufacture equipment that allows users to work more efficiently, rapidly and most importantly, in total safety.

Whether the job is road maintenance, construction of underground utilities, tunnel excavation or quarrying, 20 years and counting we're convinced that our mission remains the search for new solutions. And the seven Simex patents are clear proof.

We've been driven by constant investment in technology and production facilities, the added value of our people, and the attention and respect for the customers who have chosen our products.

Over these 20 years, we've kept on adding new products to our range, examples of which include:

- wheel excavators and vibrating wheel compactors for SSL;
- double drum cutter heads with internal hydraulic motor to save space and improve energy efficiency;
- crusher buckets with rotor capable of handling mixed, dirty or wet materials, and materials with rebars inside

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

Throughout the years, our level of service has marched in step with product development. Accordingly, we have transformed service into an integral part of the concept of "customer satisfaction" expressed in our slogan.

The cornerstones of Simex's development are integrity, dedication, and a business philosophy that has allowed us to pursue excellence through constant improvement and a commitment to professional ethics.

Needless to say, our efforts over these 20 years have been

an immense source of pride. It is a continuing journey that will no doubt lead us to find new solutions to new problems. But what has endured are the values that have taken us this far.

Some of our milestones can be summed up as follows:

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 and start of internal production. Improved flexibility, fast lead times, quality control and customer service.

1999 – Introduction of our self-levelling planers, protected by a major international patent. The machines allow operators to work with extreme ease and accuracy. Simex becomes the undisputed leader in this sector.

2003 – Relocation to the present site, whose 6000 sq. m of indoor space (including a testing and demo area) enables a substantial increase in production and organizational capacity.

2011 – Expansion of covered space (to over 10,000 sq. m, including 4000 sq. m of warehousing), to reduce lead times. Quality control and customer service departments are also expanded.

2013 – New R&D department is set up a separate area of the factory reserved for prototypes and new product development



**WE DESIGN
CUSTOMER SATISFACTION.**



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SIMEX. GETS THE JOB

Why Simex

Simex offers a wide range of technologically innovative equipment that enhances the versatility of your machine fleet. Our attachments allow you to work faster and more efficiently. Visit your nearest Simex dealer and ask for details. You'll get firsthand experience of how Simex attachments get the job done better and faster.



PLANING

CANALIZATION AND EXCAVATIONS

DEMOLITION AND EARTH MOVING

PLB - TF

TF

TF

PL - PLB - TF

T - TF - CHD

TF

PL

T - CHD

PL

T - CHD

EXCAVATORS



BACKHOE LOADERS



LOADERS



SKID STEER LOADERS



TELEHANDLERS



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

DONE BETTER AND FASTER.



QUARRYING
AND
TUNNELING

COMPACTING

ASPHALT
PAVING

CRUSHING

PLB - TF

CT - PV

CBE



PLB - TF

CT - PV

ST

CB



CT

ST

CB



CT

ST

CB

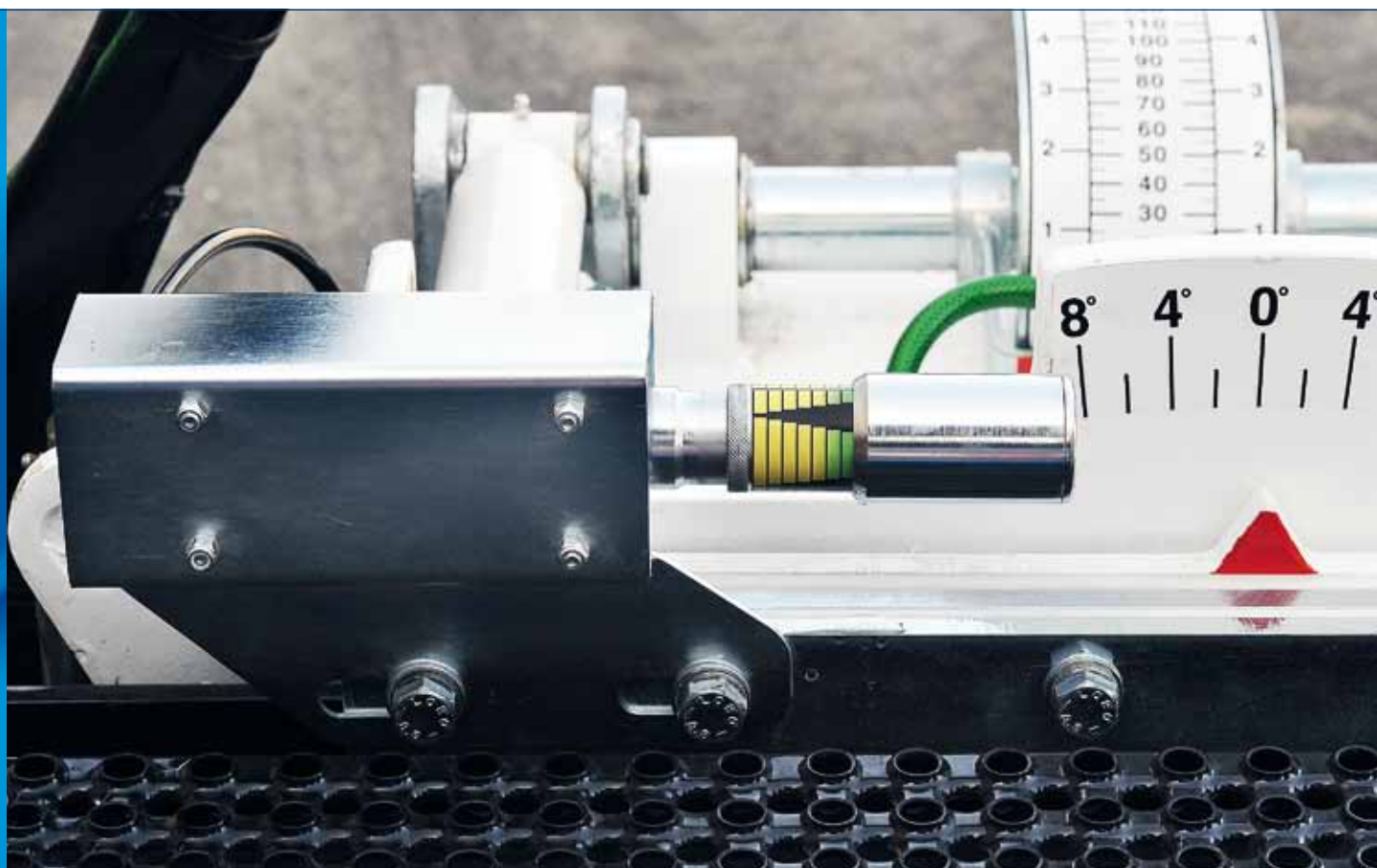


ST

CB



PERFORMER Performance Optimizer



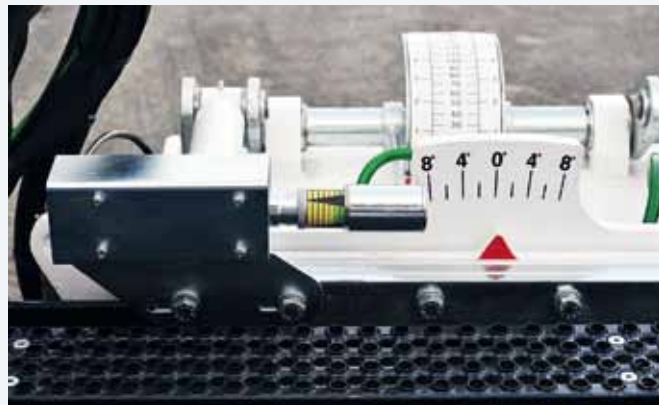
PERFORMER is a device that allows the operator to monitor and maximize the machine's hydraulic power and guarantee top performance of Simex attachments. The Simex patented design allows the device to be calibrated exactly to the maximum pressure of the machine mounted with the attachment. Performer constantly advises the operator how to work with the Simex attachments so they perform to their maximum potential. Thanks to Performer, the operator works faster and achieves higher productivity. Simex attachments deliver constant performance and never lose their efficiency.

Simex Performer.
Enhances your business.

The many advantages of SIMEX Performer

- Optimal use of the prime mover's hydraulic power.
- The Simex attachment operates constantly at its maximum potential.
- No time wasted.
- Reduced risk of overheating for the prime mover.

ERGONOMIC POSITION



Positioned where the operator can see it clearly without becoming distracted.

SELF-CALIBRATING



The scale is automatically positioned on the maximum set pressure of the prime mover.

EASY TO READ



Different colors and a visual indicator (for people who have difficulty distinguishing colors) give clear indication if working speed can be increased, if it is optimal, or if stalling is a possibility.

SELF-LEVELLING PLANERS PERFORMER



PERFORMER

SIMEX
PATENT

To maximize the power of the Simex attachment.

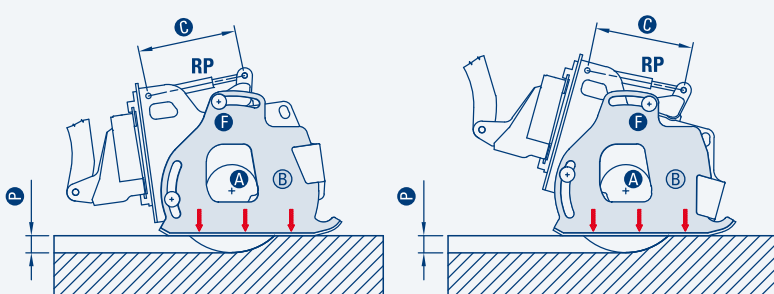
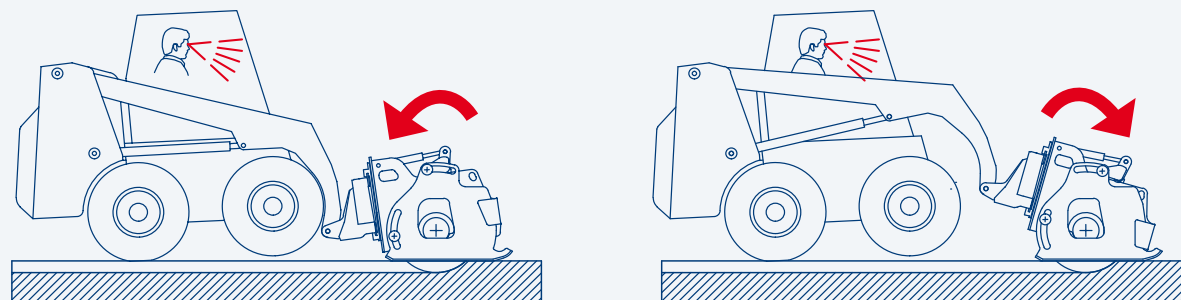


High efficiency

Because the piston motors have direct cutter drum drive, they assure maximum hydraulic and mechanical efficiency and reduce oil overheating to a minimum.

SELF-LEVELLING SYSTEM

HOW IT WORKS



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

CONSTANT PLANING DEPTH

Regardless of the ground contour, position of the planer or tilt of the arms.

ADVANTAGES

EXCELLENT VISIBILITY FOR THE OPERATOR

Since the slides automatically align themselves to the planing surface, the operator no longer has to be concerned with poor visibility of the working area because the planing depth is exactly and consistently the depth originally set.

INDEPENDENT SLEIGHS

The slides move independently of each other and follow the working surface (left and right) with total precision.

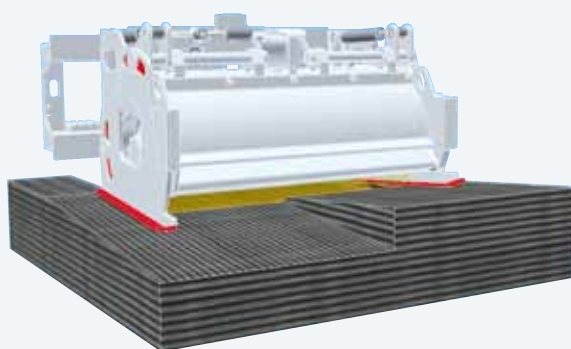
As a result, the attachment ensures:

- MAXIMUM STABILITY AND NO VIBRATIONS

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

- MILLED MATERIAL IS RETAINED

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



INDEPENDENT LEFT AND RIGHT DEPTH ADJUSTMENT

Perfect levelling of the working surface. No height difference with side-by-side planing.

Result:

**PERFECTLY FLAT SURFACES
WITH SIDE-BY-SIDE PLANING**

**OR
POSSIBILITY OF CREATING SLOPES.**





SPECIFICATIONS

	STANDARD FLOW PLANERS		HIGH FLOW PLANERS		
	PL 25.10	PL 35.15	PL 40.15	PL 45.20	PL 55.20
Performer	optional	optional	optional	standard	standard
Standard drum Width					
Width	250	350	400	450	550
Depth	0-70	0-110	0-150	0-150	0-150
Special drum (1)					
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./hydra.	autom./hydra.
Slant	-	16° (optional)	16°	16°	16°
Operating weight	350	590-850	660	790(1)-940	840-1050
Required oil flow	30-60	45-75	65-140	65-140	70-140
Required oil pressure (3)	240-160	240-160	240-170	300-160	300-160
Water spray dust control system (optional)	Kit for mini-loader cab with electric pump or integrated in side shift with electric pump				

(*) Optionals.

(1) Refers to standard version of planer without 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 removal of road surface marking or for 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./hydr.	autom./hydr.	autom./hydr.	autom./hydr.	autom./hydr.	autom./hydr.	autom./hydr.	autom./hydr.	
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

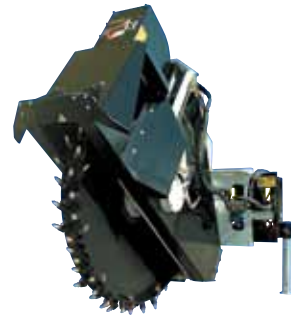
Kit for mini-loader cab with electric pump or integrated in side shift with electric pump

(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 EXCAVATORS

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 objects.

High efficiency

Because the piston motors have direct cutter drum drive, they assure maximum hydraulic and mechanical efficiency and reduce oil overheating to a minimum.

PERFORMER

SIMEX
PATENT

To maximize the power of the Simex attachment.



LATERAL DISCHARGE OF SPOIL



Excavated material is expelled from both sides or just one.

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 adjustement	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 in reverse
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 to the flow rate available and vice versa.

CHAIN EXCAVATORS



For mounting on loaders, skid steer loaders and excavator booms.

RECOMENDED FOR SMALL, FIXED-SECTION TRENCHES

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

SPECIFICATIONS

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

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

(*) Optional.

VIBRATING PLATE COMPACTORS



CONSTANT LUBRICATION. NO GREASE, NO MAINTENANCE NEEDED.

Cylindrical vibrating box provides constant lubrication, whether working on a flat or sloped surface.

360° HYDRAULIC ROTATION

Easily positioned in any angle to operate in any 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
Required oil flow	30	57	75	110	155	l/min
Required oil pressure	160	160	160	160	160	BAR
Operating weight	165	315	460	875	1040	kg
Excavator weight (1)	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 PAVERS



Easy to use

Patented system ensures extreme ease-of-use.

Enormous savings in costs and time

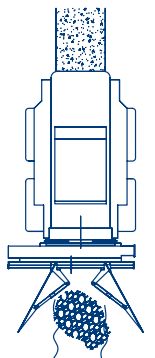
Up to 10 times faster than performing the job manually. A safer, cleaner, more continuous process.

Easy to clean. Lightweight.

Specially designed without a material container. Simply place the material in front of the paver and advance.

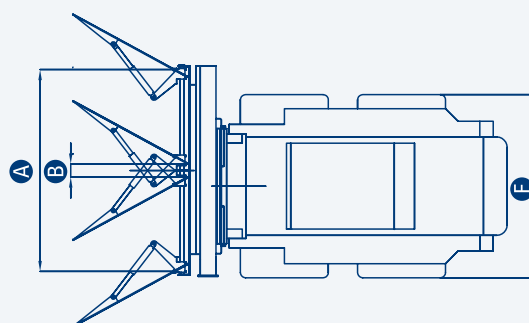
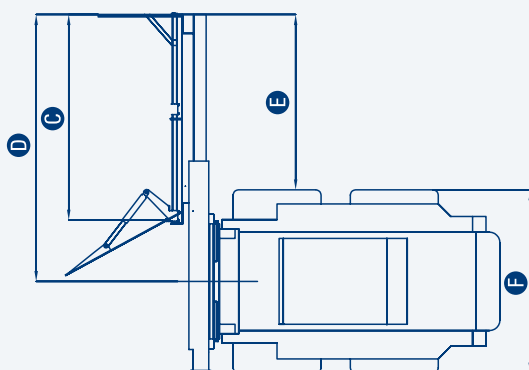
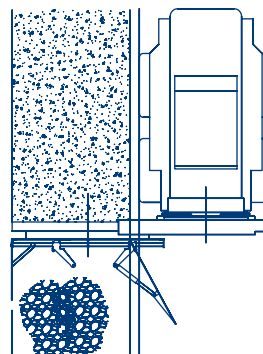
CROSS-SECTION TRENCH FILLING AND ASPHALT FINISHING

High speed and accuracy.



SIDEWALK ASPHALT SURFACING

Hydraulic device allows operation outside the prime mover's wheel. 1700 mm offset.



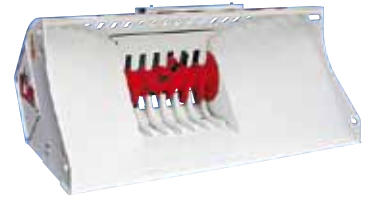
SPECIFICATIONS

	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
Width adjustment	Hydraulic		
Asphalt thickness adjustment (independent on the RH and LH sides)	mechanical (screw) or electrical (optional)		
Asphalt thickness	0-100		mm
Side shift	Hydraulic		
Transverse tilt	5°		
Average working speed (cross-section trenches)	50-120		m/min
Operating weight (1)	570	620	kg

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

CRUSHER BUCKETS

For wheel loaders



For front-end mounting

Installable on loaders, skid steer loaders, backhoe loaders and telescopic handlers.

Huge savings

Spoil can be reused directly on-site. Higher efficiency and lower costs.

Easy to use

Works directly at the job site. Loads material like a standard loading bucket and maneuvers easily in tight spaces.

Maximum safety

No dangerous vibrations transmitted to operator or prime mover.

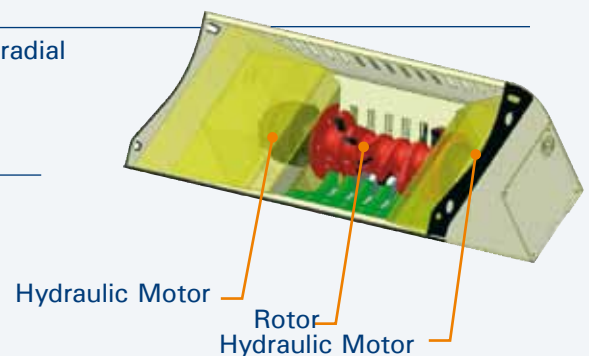
CRUSHING BY ROTOR

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

ADVANTAGES

High performance.
High teeth breakout force.

SIMEX
PATENT





MATERIAL TO CRUSH



CRUSHED MATERIAL



SPOIL PARTICLE 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

	Optimale Voraussetzungen	Normale Voraussetzungen	
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.

CRUSHABLE MATERIALS

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

Easily withstands the presence of:

- Natural soil
- Humid or wet material
- Rebars

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	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°
Required oil flow	50 - 150	50 - 150	60 - 200	60 - 200	70 - 200	70 - 200	80 - 200	100 - 350	120 - 350	l/min
Required oil pressure	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

For excavators



Maximum safety

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

Designed to be mounted on excavator boom

Can operate on with load at front or rear. Sturdy yet lightweight frame for perfect coupling with excavator.

Easy to use

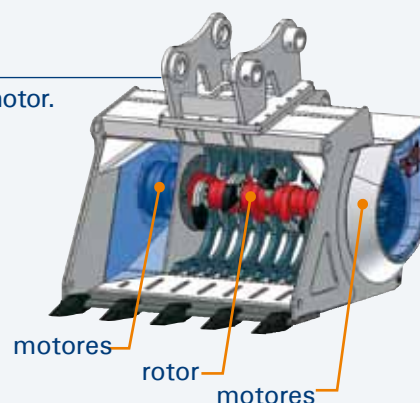
Wide mouth opening for easy loading.
Shaped as a standard bucket for better functionality.

CRUSHING BY ROTOR

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

ADVANTAGES

The huge tooth force can crush any kind of material.
Replaceable blades to obtain spoil in different-sized particles.
A scraper prevents rebar from getting stuck around the rotor.
The system works efficiently even when soil, humid or wet materials are present.

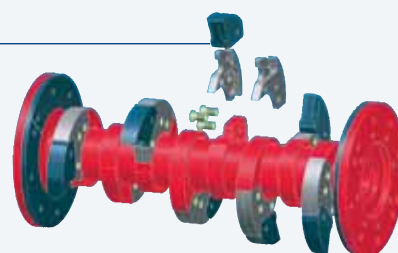


REPLACEABLE TEETH

New concept to fix the tooth to the rotor.

ADVANTAGES

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



MATERIAL TO CRUSH



ø 223 mm ball

CBE 30 MOUTH OPENING



CRUSHED MATERIAL



CRUSHABLE MATERIALS

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

Easily withstands the presence of

- Natural soil
- Humid or wet material
- Rebars

SPOIL PARTICLE 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

Wide mouth opening for easier loading.



WITHSTANDS PRESENCE OF IRON

The rotor system can easily crush rebars.

NO DIFFICULTY WITH WET OR HUMID MATERIALS

The presence of wet or humid materials, mud, wood, plastic and deformable materials in general has no impact.



STRONG AND STEADY

Works easily on rocks or other excavated 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

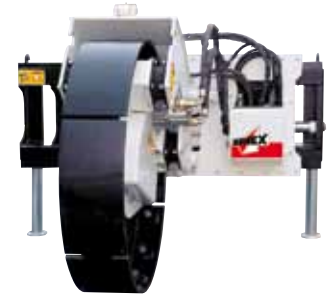
	CBE 10	CBE 20	CBE 30	CBE 40	CBE 50	
Width	1250	1400	1640	1860	2440	mm
SAE capacity	0,40	0,60	0,82	1,05	1,80	m³
Bucket weight (empty) (1)	880	1340	2290	2890	4640	kg
Rotor width	550	630	750	970	1290	mm
Number of teeth	5	5	6	8	10	n°
Excavator weight (2) (3)	8 - 12	12 - 18	18 - 30	24 - 35	35 - 50	ton
Required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

VIBRATING WHEEL COMPACTORS

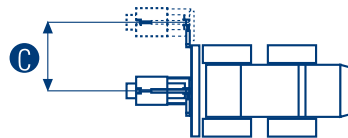


Maximum safety

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

Impressive performance

Also operates in full offset position.



Excellent insulation from vibration

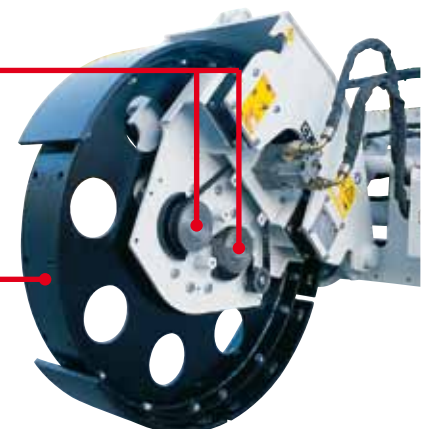
Assures greater protection of the prime mover and operator comfort.

REVERSE ROTATION VIBRATING TWIN SHAFT

Fitted in the wheel center.

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	
Standard wheels				
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
Special wheel without pads				
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
Side shift Hydraulic (C)	-	1100	-	mm
Transverse angle Hydraulic	-	18°	-	
Operating weight (1)	710-770	910-970	530-585	kg
Required oil flow	30-50	45-60	30-50	l/min
Required oil pressure	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

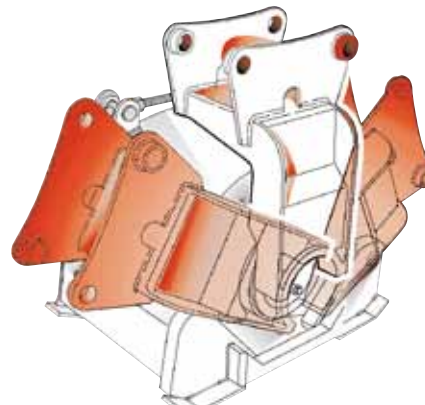
To maximize the power of the Simex attachment

Constant planing depth guaranteed

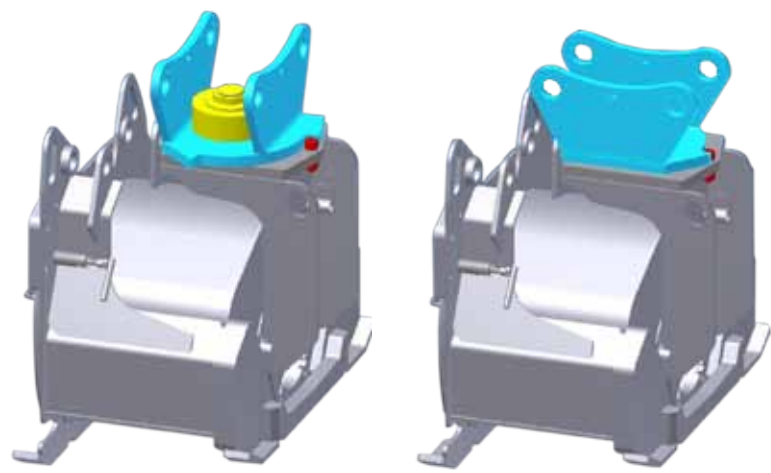
Easy handling thanks to the swinging support and high accuracy on the working surface.

Great versatility

Can work on any surface: horizontal, vertical or sloped. Ideal for asphalt and concrete.



Compact structure with swinging support pivoted on the same rotational axis as the planer drums.



INDEPENDENT LEFT AND RIGHT DEPTH
ADJUSTMENT

A feature of the Simex patent is that one slide is height adjustable, independent and free to tilt for perfect ground contour.

PERFECTLY FLAT SURFACES WITH SIDE-
BY-SIDE PLANING

Independent depth adjustment on left and right side: Perfect leveling of planing surface easy to obtain thanks to side-by-side passes with no height differences.



SPECIFICATIONS

	PLB 200	PLB 300	PLB 350	PLB 450	PHD 450	PLB 600	PHD 600	
Performer	optional	optional	optional	standard	standard	standard	standard	
Standard drum								
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
Special drums								
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°	
Operating weight	185	390	530	710	900	985	1200	kg
Required oil flow	30 - 50	45 - 75	55 - 90	75 - 140	90 - 140	100 - 200	120 - 200	l/min
Required oil pressure (1)	250 - 180	250 - 180	250 - 180	250 - 180	250 - 180	300 - 180	300 - 180	BAR
Excavator weight (2)	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

CUTTER HEADS

Double drum



High accuracy

No vibrations transmitted to the surrounding area.

Low noise Low vibrations level

Low noise and environmentally friendly. Can work in proximity to residential areas, hospitals, schools, bridges and other infrastructure.

High performing

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

A key attachment

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

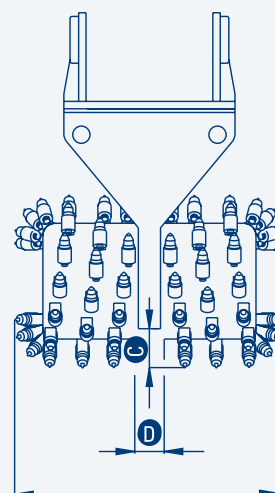
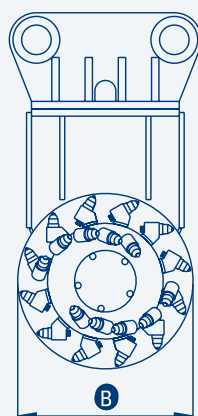
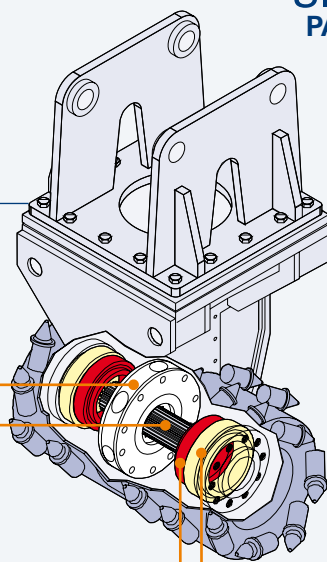
HIGH PERFORMANCE

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



Hydraulic motor
Drive shaft

Support bearings



SPECIFICATIONS

	TF 200	TF 400	TF 600	TF 800	TF 1000	TF 2000	TF 3000	
A (standard drums)	565	625	700	800	900	1100	1250	mm
A (wall profiling)	650	750	850	1000	1200	1400	1400	mm
B	380	450	500	590	660	710	730	mm
C	75	75	75	95	110	120	120	mm
D	110	130	130	150	160	175	300	mm
Excavator weight (1)	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)
Required oil pressure (2)	350 - 200	350 - 200	350 - 200	350 - 200	350 - 210	400 - 210	400 - 210	BAR
Required oil flow (3)	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 as the pressure and/or oil capacity reduces.

(3) Number of revolutions and cutting speed decrease as the oil flow reduces.

SECTION TRENCHES



QUARRYING



DEMOLITION



WALL PROFILING



ROCK BREAKING



TUNNELING



STRIPPING AND RECLAMATION



UNDERWATER JOBS





SIMEX T800 IN SPECIAL VERSION CUTTING INSERTS INTO A TUNNEL CROWN FOR INSTALLATION OF RIBS.

Drums configuration:



PD



ST



XD



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Progetto realizzato con il contributo della Regione Emilia-Romagna, Servizio Sportello regionale per l'internazionalizzazione delle imprese.