

[simex.it](http://simex.it)



## PRODUCT CATALOGUE





**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

## 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.

## 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.

## 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.





<i>Page 09</i>	Simex Patent	<b>PERFORMER</b>
<i>Page 11</i>	<b>TF</b>	CUTTER HEADS Double drum
<i>Page 19</i>	<b>TFC</b>	CUTTER HEADS Continuous cutting
<i>Page 23</i>	<b>TFV</b>	CUTTER HEADS Vertical
<i>Page 27</i>	<b>VSE</b>	SCREENING BUCKETS



# FULL LINE PRODUCTION





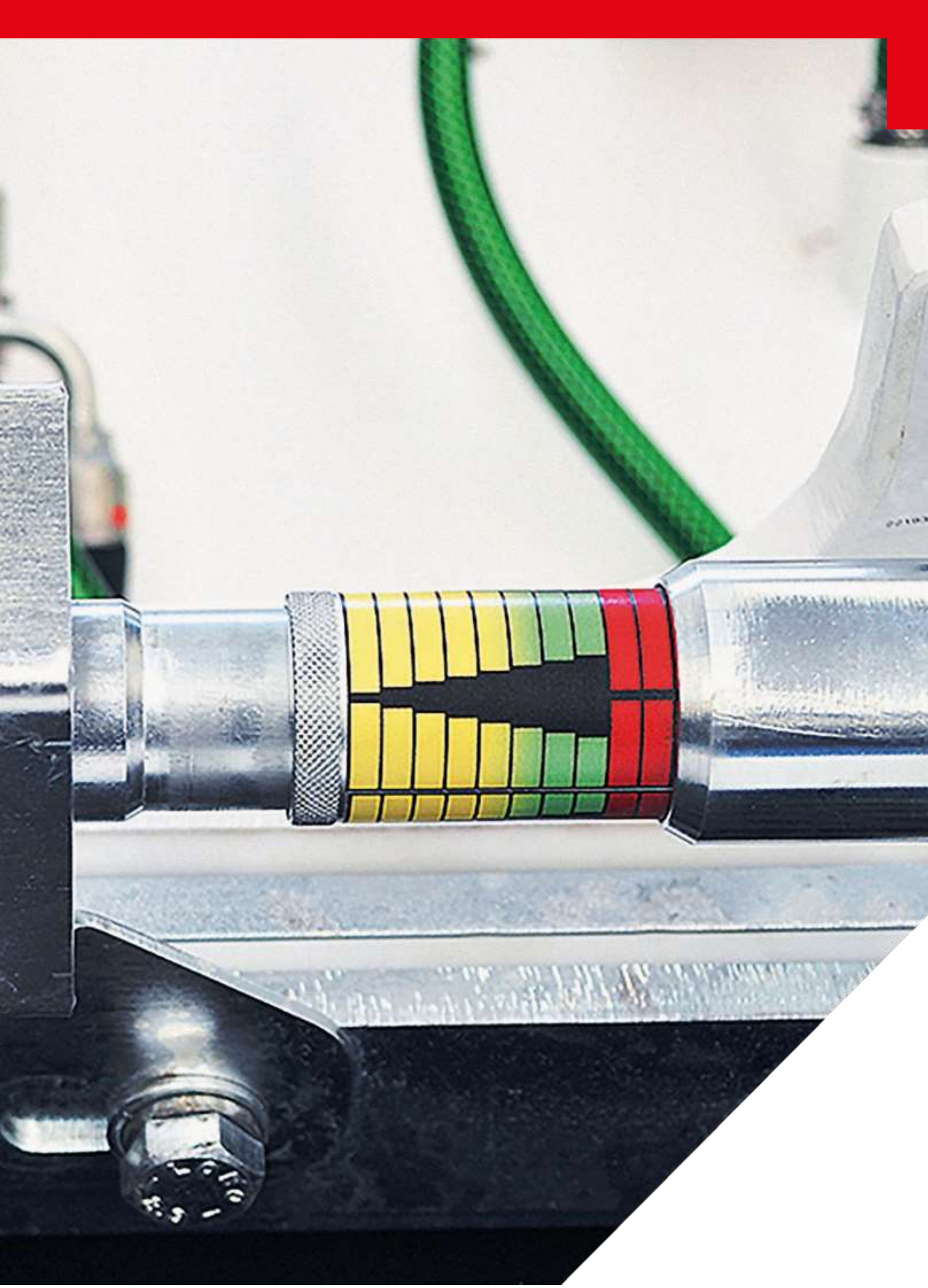
CRUSHER BUCKETS

Page 39	<b>PLB/PHD</b>	PLANERS
Page 45	<b>WG</b>	WALL GRINDERS
Page 49	<b>MP</b>	CUTTER HEADS FOR PROFILING
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WHEEL SAWS

Page 57	<b>RWE</b>	WHEEL SAWS FOR DEMOLITION AND CUTTING
Page 61	<b>CHD</b>	CHAIN TRENCHERS
Page 65	<b>CT</b>	VIBRATING WHEEL COMPACTORS
Page 69	<b>PV</b>	VIBRATING PLATE COMPACTORS





**SIMEX**  
• patent •

**PERFORMER**

**Performer** lets you work better, faster and get more done.

**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 prime mover 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**







RANGE

**TF**

## CUTTER HEADS

DOUBLE DRUM

TF 200

TF 400

TF 600

TF 850

TF 1100

TF 2100

TF 2500

TF 3100

- Precise cut
- Low vibrations
- High performance
- Low noise level
- Deep and narrow trenches
- Underwater works
- Maintenance-free
- Milled material reused on site



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





# CUTTER HEADS

## DOUBLE-DRUM

TF 200  
TF 400  
TF 600  
TF 850  
TF 1100  
TF 2100  
TF 2500  
TF 3100



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 TF cutter heads are **ideal for trenching, profiling rock and concrete walls, tunneling, quarrying, demolition, dredging, finishing operations and underwater works.**

They are highly effective where conventional excavation systems are too weak and percussion systems have little effect. Their quiet operation allows them to be put to work near sensitive areas (residential zones, hospitals, schools, bridges and infrastructures).

Especially recommended for **finishing operations**, where high precision, minimum disturbance and optimum aesthetic result are required.

**SIMEX**  
• patent •



### ADVANTAGE

- Precise cut
- Low vibrations
- High performance
- Low noise level
- Deep and narrow trenches
- Underwater works
- Maintenance-free
- Milled material reused on site

TECHNICAL DATA		TF 200	TF 400	TF 600	TF 850	TF 1100	TF 2100	TF 2500	TF 3100
Recommended excavator weight	ton lbs	2,5 - 7 5500 - 15500	6 - 12 13000 - 26500	9 - 16 19800 - 35200	14 - 22 30800 - 48500	20 - 34 44000 - 80000	28 - 45 61700 - 99000	40 - 55 88000 - 121000	50 - 70 110000 - 154000
Weight without bracket (1)	kg lbs	300 660	470 1050	640 1400	1140 2500	1465 3200	2410 5300	2700 5950	3650 8000
Hydraulic motor power	kW (hp)	27 (37)	37 (50)	50 (68)	61 (83)	87 (118)	112 (152)	140 (190)	175 (238)
Rotation torque	kNm lbfft	2,5 1850	4,6 3390	6,9 5090	10,6 7820	17,5 12900	25,4 18700	33,7 25800	45,4 33500
Cutting force	kN lbf	13,5 3035	20,3 4600	27,6 6200	35,2 7900	53,4 12000	68,0 15250	90,0 20200	121 27200
Max. pressure (2)	BAR psi	350 5100	350 5100	350 5100	350 5100	350 5100	380 5500	380 5500	380 5500
Required oil flow	l/m gpm	45 - 80 12 - 21	65 - 120 17 - 32	90 - 150 24 - 40	130 - 190 34 - 50	170 - 250 45 - 66	240 - 340 63 - 90	280 - 400 74 - 105	350 - 500 92 - 132

(2) Torque and cutting force decrease with lowered operating pressure.

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



TF 200  
TF 400  
TF 600  
TF 850  
TF 1100  
TF 2100  
TF 2500  
TF 3100

Utilities

Quarries and mines

Demolition

Port and underwater works

Construction and building

Infrastructure

Tunneling

Agriculture and forestry

Recycling

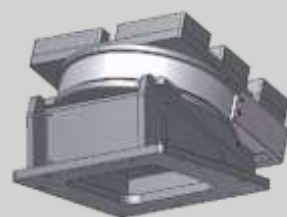
Roadworks

Trenching

## INCREASED PRODUCTIVITY AND MAXIMUM PRECISION

cutter head can be rotated 90° thanks to square holes of coupling plate.

## HYDRAULIC ROTATION 360° *Optional*



Hydraulic rotation allows operator to find the ideal working position.

Increased productivity

Maximum precision

## REPLACEABLE ANTI-WEAR PLATES

## DRUMS AND TEETH FOR ANY APPLICATION

designed to achieve higher efficiency based on the required application. Many teeth geometries exist for working on a range of materials.

## MILLED MATERIAL IS DISCHARGED FROM TRENCH WITHOUT GETTING STUCK IN THE FRAME

thanks to special shape, which also allows hoses to be hooked up at sides and front.

## SAFE FROM IMPURITIES

from the outside thanks to filter on feed line.

## DUST-PROOF

mechanical seals on drums prevent dust from entering, even when attachment is submerged into the ground, muddy conditions included. Filter on feed line prevents impurities from entering motor.

## HIGH TORQUE AND HIGH PERFORMANCE

guaranteed by integrated high displacement hydraulic piston motor. Shaft transmits motion only and bears no load thanks to double support bearings for each drum.

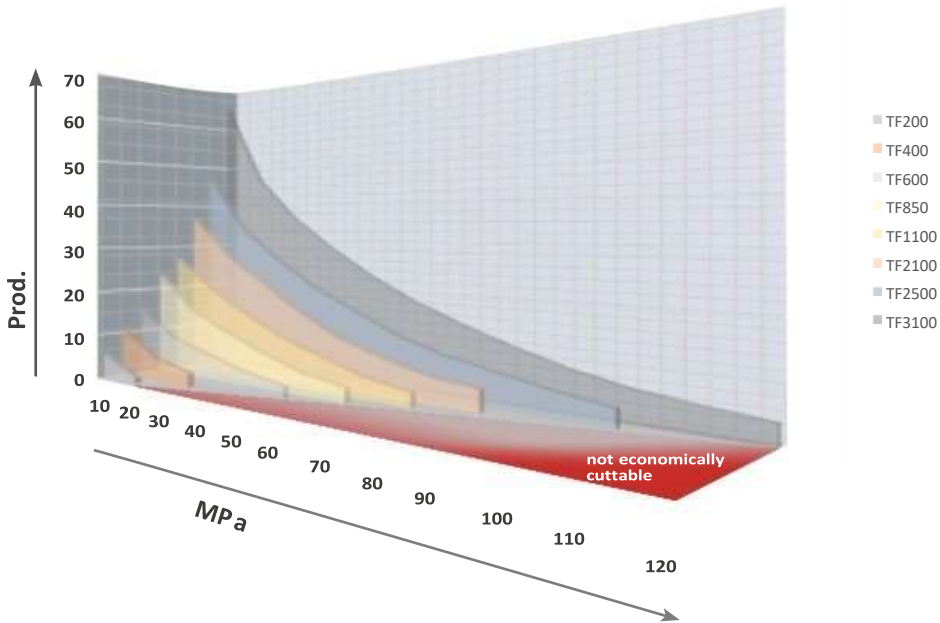


**SIMEX**  
• patent •

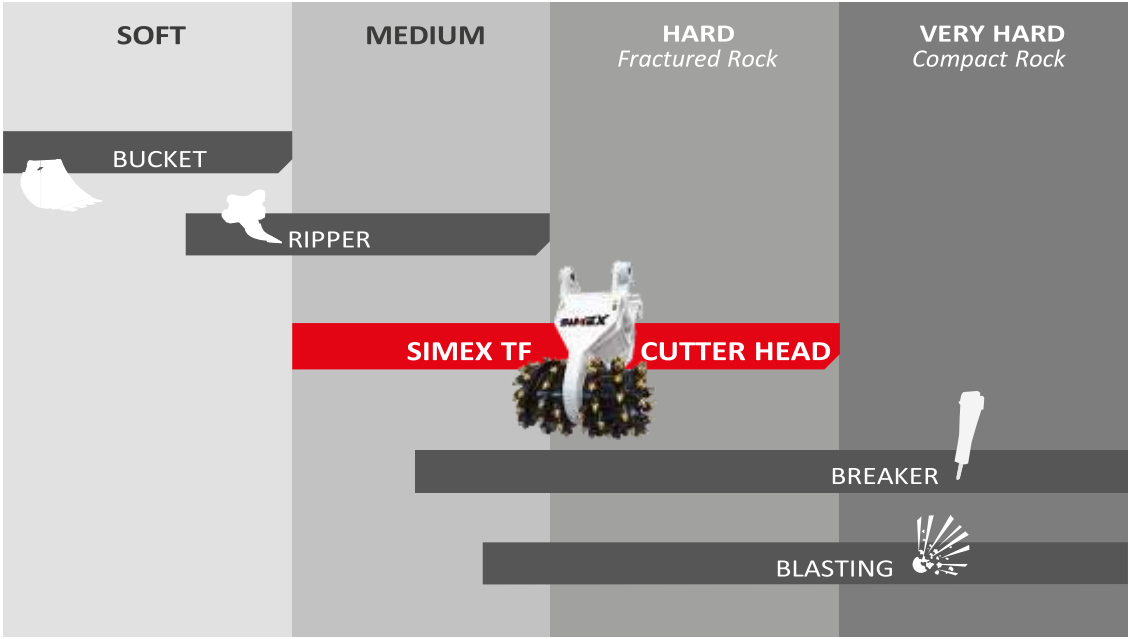
TF 200  
TF 400  
TF 600  
TF 850  
TF 1100  
TF 2100  
TF 2500  
TF 3100

RATIO BETWEEN CUTTING EFFICIENCY AND COMPRESSIVE STRENGTH

The graph below gives an approximate indication of the ratio between cutting efficiency of each cutter head model in optimal conditions and the unconfined compressive strength of the rock. Since many variables exist regarding the material (fracturing, weathering, ductility, etc.), the prime mover and the operability, the ratio should be understood as only an approximation of cutting efficiency. The actual production may be estimated after all noted variables are taken into account.



EFFICACY ON DIFFERENT TYPES OF TERRAIN



DRUMS available:

**HP (Standard)**  
Penetrates deep, even into hard

**GP (Optional)**  
Recommended for wall profiling

**WB (Optional)**  
Special drum for finishing

materials.

and various types of jobs.

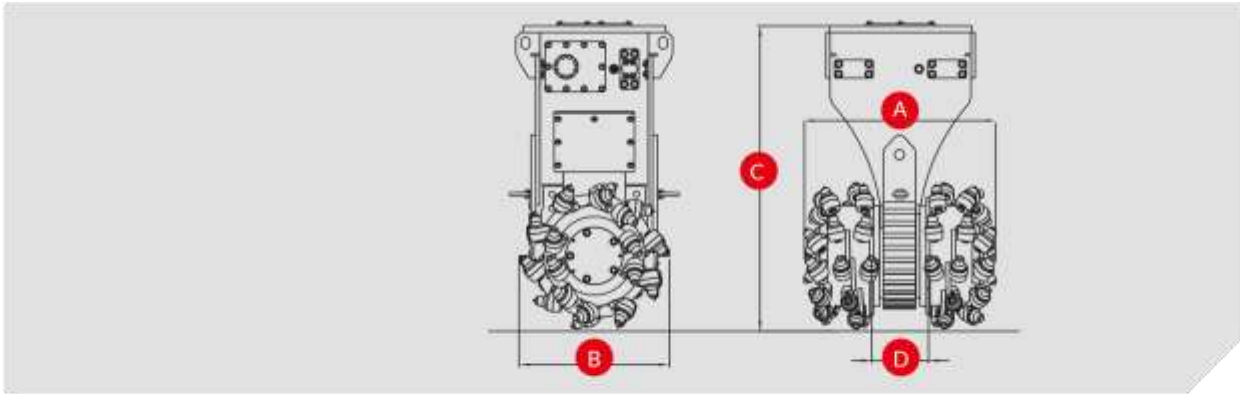
and profiling.



TEETH available:



Mixed materials      Hard materials      For wood



TECHNICAL DATA		TF 200	TF 400	TF 600	TF 850	TF 1100	TF 2100	TF 2500	TF 3100
Drum width (HP) standard <b>A</b>	mm inch	565 22	625 25	700 28	800 32	850 34	950 38	1000 40	1250 50
Drum width (GP) optional <b>A</b>	mm inch	-	-	-	900 36	1000 40	1100 43	1150 45	1350 53
Drum width (WP) optional <b>A</b>	mm inch	650 26	750 30	850 34	1000 40	1200 47	-	-	-
HP drum diameter <b>B</b>	mm inch	380 15	450 18	500 20	595 24	660 26	750 30	750 30	750 30
Height without bracket <b>C</b>	mm inch	770 30	900 35	960 38	1250 49	1310 52	1575 62	1675 66	1770 70
Drum distance <b>D</b>	mm inch	110 4	130 5	130 5	150 6	160 6,3	175 7	250 10	300 12
Tooth holder diameter	mm inch	20 0,8	22 0,9	22 0,9	38/30 1,5/1,2	38/30 1,5/1,2	38/30 1,5/1,2	38/30 1,5/1,2	38/30 1,5/1,2





RANGE

**TFC**

## CUTTER HEADS

CONTINUOUS CUTTING

TFC 50

TFC 100

TFC 400

- Versatile
- Low noise output
- High precision
- Continuous cutting



Width (cutting profile)		inch	15	/ 430 (*) 19 / 17 (*)	/ 420 (*) 20,5 / 16,5 (*)
Drum diameter (cutting profile)		inch	9	10	18
Weight (1)		kg lbs	90 200	374	500 1100
Recommended excavator weight (2)		ton lbs	1,2 - 3,0 2640 - 6600	2,5 - 4,5 5600 - 9900	- 14 13000 - 31000
Required oil flow (3)		l/min gpm	- 40 5 - 11	- 60 8 - 16	- 115 17 - 30
Max. required oil pressure (4)		BAR psi	250 3625	300 4350	300 4350
Max. torque	at 250 BAR at 3625 psi	Nm lbf.ft	445	-	-
Max. torque	at 300 BAR at 4350 psi	Nm lbf.ft	-	780	2875
Max. cutting force	at 250 BAR at 3625 psi	N lbf	5100 1145	-	-
Max. cutting force	at 300 BAR at 4350 psi	N lbf	-	8100 1820	17500 12900



TFC 50  
TFC 100  
TFC 400

## CONTINUOUS CUTTING



The **patented cutter heads with continuous cutting** are specially designed for mounting on mini-excavators. Their **innovative system allows whole width of the attachment to cut without gaps at center or side footprints**. Ideal for **finishing** flat surfaces and trenches.

**Quiet and precise** in the work area, they do not intrude on the surrounding area. **Versatile and high-performing**, they can be utilized for crushing **roots and tree trunks**, milling **asphalt and concrete**, milling plaster (*thanks to lateral disks there is perfect control of the layer removed*).

## ADVANTAGES

- Versatile
- Low noise output
- High precision
- Continuous cutting



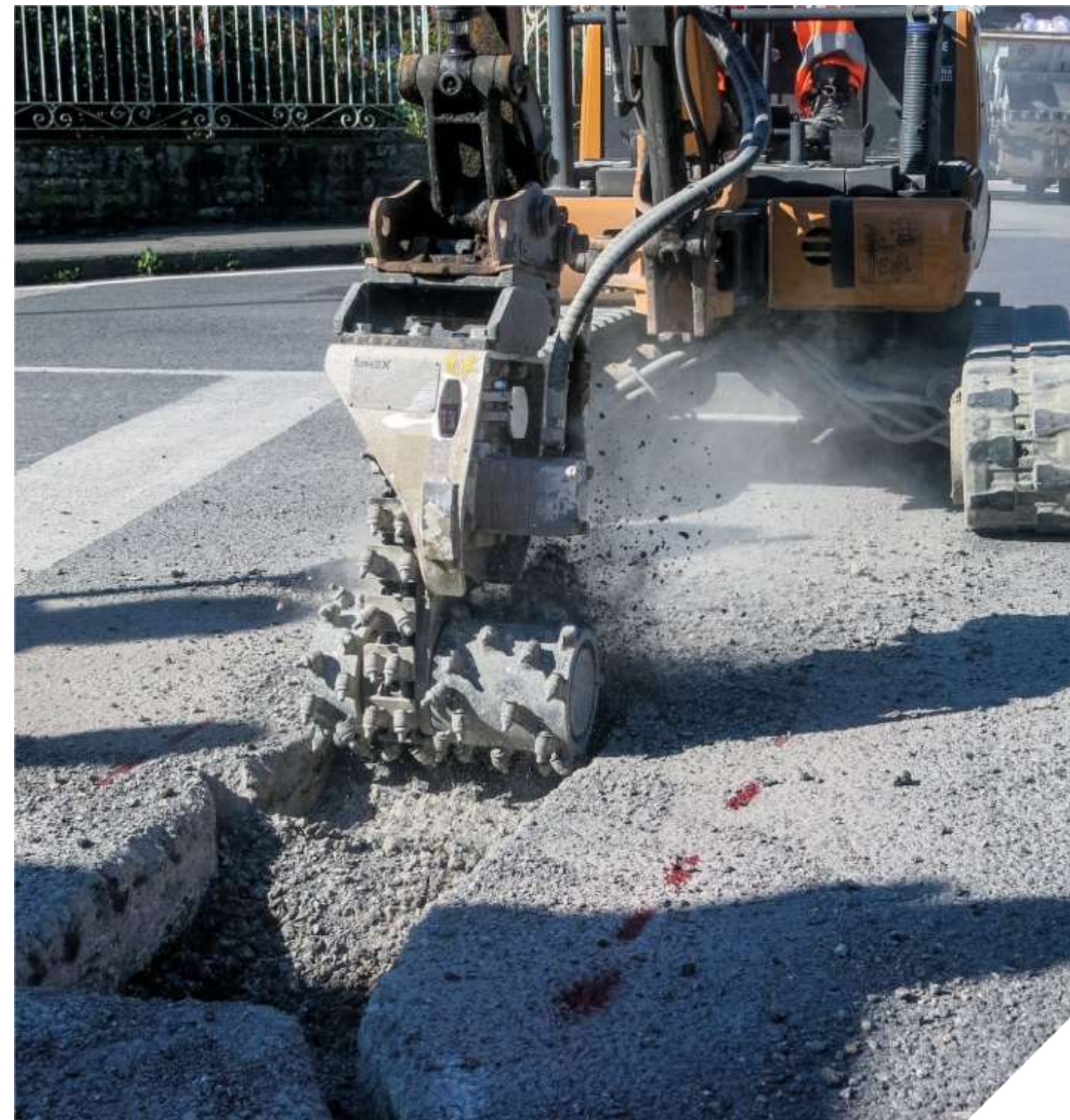
## TECHNICAL DATA

TFC 50

TFC 100

TFC 400

## CUTTER HEADS





(\*) Narrow drums for increased penetration.  
(1) Without mounting bracket to boom.  
(2) User is responsible for ensuring that the equipment meets the excavator's specifications and weight requirements.  
(3) RPM and cutting speed decrease with lowered oil flow.  
(4) Torque and cutting force decrease with lowered operating pressure.

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







RANGE

TFV

CUTTER  
HEADS  
VERTICAL



- High performance
- High precision
- Low vibrations
- Maintenance-free
- Versatile



## VERTICAL



Intended for **excavator mounting**, Simex TFV vertical cutter heads are **ideal for profiling, excavating irregular shapes, cropping piles, trenching smaller widths, removing iron and steel residues, or mixing soils.**

Milling drums available for different applications and diameters.



## ADVANTAGES

- High performance
- High precision
- Low vibrations
- Maintenance-free
- Versatile

TECHNICAL DATA		TFV 400	TFV 600	TFV 850
Recommended excavator weight <sup>(1)</sup>	ton lbs	7 - 12 15400 - 26400	10 - 18 22000 - 39600	15 - 25 33000 - 55000
Rotation speed	giri/min rpm	100	90	80
Diameter	mm inch	380 15	420 17	450 18
Height without bracket	mm inch	1000 40	1100 43	1200 48
Max. power	kW (hp)	37 (50)	50 (68)	60 (82)
Operating weight <sup>(2)</sup>	kg lbs	245 540	400 880	570 1255
Required oil flow	l/min gpm	60 - 110 16 - 29	100 - 140 26 - 37	120 - 170 32 - 45
Max. oil pressure	BAR psi	350 5100	350 5100	350 5100

<sup>(1)</sup> User is responsible for ensuring that the equipment meets the excavator's specifications and weight requirements.

<sup>(2)</sup> Without mounting bracket attaching to prime mover.

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TFV 400  
TFV 600  
TFV 850



Utilities



Quarries and mines



Demolition



Port and underwater works



Construction and building



Infrastructure



Tunneling



Agriculture and forestry



Recycling



Roadworks



Trenching



Mini-excavator



Excavator





Front loader



Backhoe





RANGE

**VSE**

## SCREENING BUCKET

ADJUSTABLE OUTPUT SIZE

VSE 10

VSE 20

VSE 30

VSE 40

- Quick adjustment of output size
- Effective with wet material
- High productivity
- Simple operation
- Easy loading
- Easily replaceable screening tools



VSE 10  
VSE 20  
VSE 30  
VSE 40



Utilities



Quarry and mine



Demolition



Port and underwater works



Construction and building



Infrastructure



Tunneling



Agriculture and forestry



Recycling



Escalators



Trenching



Mini-excavator



Excavator



Front loader



Backhoe

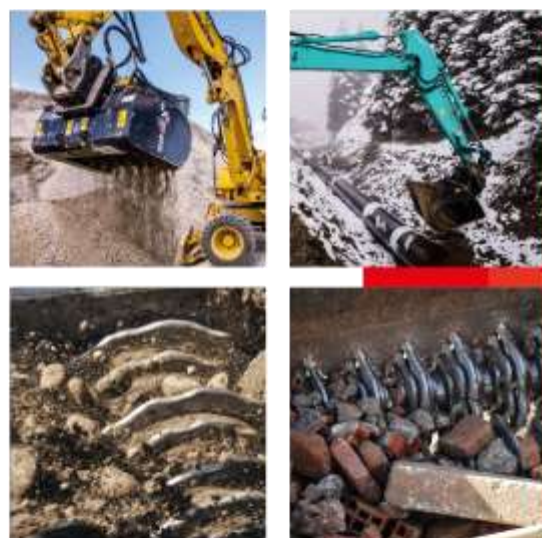
## ADJUSTABLE OUTPUT SIZE



Designed for **separating different-sized materials on the work site**, Simex VSE screening buckets are unique for their **easy loading, very simple operation and high productivity**.

The exclusive Simex patent allows **rapid adjustment of output size** of the screened material in only seconds via a control in the operator cabin.

**SIMEX**  
• patent •



## ADVANTAGES

- Quick adjustment of output size
- Effective with wet material
- High productivity
- Simple operation
- Easy loading
- Easily replaceable screening tools

TECHNICAL DATA		VSE 10	VSE 20	VSE 30	VSE 40
Recommended excavator weight <sup>(1) (2)</sup>	ton lbs	8 - 13 17500 - 29000	12 - 18 26000 - 40000	16 - 30 35000 - 66000	30 - 45 66000 - 99000
Mouth width	mm inch	860 34	1100 43	1260 50	1340 53
Total width	mm inch	1220 48	1485 58	1650 65	1835 72
Bucket capacity (SAE)	m <sup>3</sup> yd <sup>3</sup>	0,40 0,52	0,70 0,92	1,00 1,30	1,80 2,35
Screening area	m <sup>2</sup> yd <sup>2</sup>	0,56 0,67	0,80 0,96	1,00 1,20	1,36 1,63
Shaft travel	mm inch	40 1,6	40 1,6	40 1,6	40 1,6
Number screening shafts	n°	2	2	2	3
Operating weight <sup>(3)</sup>	kg lbs	965 2125	1400 3080	1845 4060	2725 6000
Required oil flow	l/min gpm	90 - 125 24 - 33	100 - 150 27 - 40	165 - 220 44 - 58	180 - 280 48 - 74
Max. required oil pressure	BAR psi	250 3600	250 3600	250 3600	250 3600

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

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

(3) Without mounting bracket.

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









Tool  
for

**HIGH INCREASE IN PRODUCTIVITY**  
Shafts are composed of elements with varying-sized disks that produce an intense **whirling of the material to be screened.**

**HIGH PRODUCTIVITY**  
Even when working with wet soil

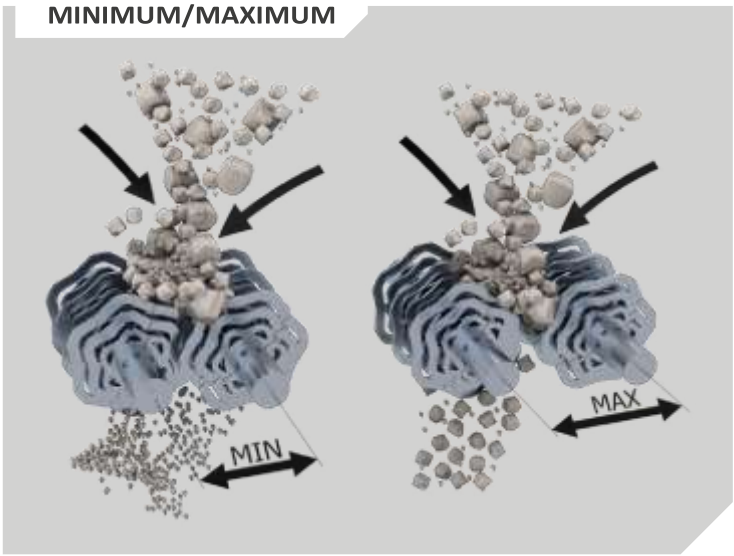
**EASY LOADING**  
Wide mouth shaped as standard bucket

**SCREENING TOOLS ARE EASILY REPLACEABLE**  
Screening elements have different profiles to work with various materials. **Tool replacement is rapid and requires no disassembly of shafts.**

**SIMEX**  
• patent •

**SIMEX PATENT**  
Quick adjustment of output size.

Thanks to a simple control from the operator **cabin**, the Simex-patented mechanism allows shafts to be distanced or closed via a hydraulic system to **vary output size of screened material in only seconds**. Alternatively, the adjustment can be made by a remote control (optional).



screening mixed material



Tool for screening and breaking up light materials

VSE 10  
VSE 20  
VSE 30  
VSE 40

Tool with blade  
for cutting non-stony objects contained in the material

  
Utilities

  
Quarries and mines

  
Demolition

  
Port and  
underwater works

  
Construction and building

  
Infrastructure

  
Tunneling

  
Agriculture  
and forestry

  
Recycling

  
Road works

  
Trenching

  
Mini-excavator

  
Excavator

  
Wheel loader

  
Front loader

  
Tractor





RANGE

**CBE**

## CRUSHER BUCKETS

CBE 10

CBE 20

CBE 30

CBE 40

CBE 50

- Low noise output
- High cutting force
- High productivity
- Lightweight frame
- No vibrations
- Easy back or front loading
- Simple, quick tool replacement
- Works fast and efficiently
- Anti-wear tools: better protection and longer life







CBE 10  
CBE 20  
CBE 30  
CBE 40  
CBE 50



Designed to **reduce the volume of aggregates** directly on site, CBE crusher buckets with rotor system provide **optimal performance when working with iron, rock, soil and deformable parts**, and wet or humid materials. Ideal for **crushing reinforced concrete and demolition waste**. The exceptional cutting force allows any material to be crushed. The rotor with teeth is activated by high-displacement radial piston hydraulic motors in direct drive.

Automatic system **inverts rotation of the drum in case of blocking** (Simex patent).

Crushable materials: bricks, reinforced concrete, natural aggregates, concrete, tiles, glass and asphalt slabs. **Unaffected by the presence of earth, wet or humid material, or iron rods.**

**SIMEX**  
• patent •

## ADVANTAGES

- Low noise output
- High cutting force
- High productivity
- Lightweight frame
- No vibrations
- Easy back or front loading
- Simple, quick tool replacement
- Works fast and efficiently
- Anti-wear tools: better protection and longer life



TECHNICAL DATA		CBE 10	CBE 20	CBE 30	CBE 40	CBE 50
Recommended excavator weight (1) (2)	ton lbs	8 - 13 17500 - 28600	10 - 18 22000 - 5500	16 - 28 35000 - 61600	24 - 40 53000 - 88000	38 - 55 84000 - 121000
Mouth width	mm inch	1030 41	1180 46	1410 55	1630 64	2200 87
Total width	mm inch	1220 48	1485 58	1700 67	1960 77	2440 96
Rotor width	mm inch	725 28	735 29	915 36	1050 41	1290 51
Bucket capacity (SAE)	m³ yd³	0,40 0,52	0,60 0,78	0,80 1,04	1,00 1,30	1,80 2,35
Number of teeth	n°	5	5	6	7	10
Max. cutting force	kN lbf	80 18000	95 21500	125 28000	152 34000	190 42700
Bucket weight empty (3)	kg lbs	880 1950	1320 2900	2170 4800	2900 6400	4640 10200
Required oil flow	l/min gpm	80 - 160 21 - 42	100 - 190 26 - 50	150 - 250 40 - 66	200 - 350 53 - 92	300 - 550 79 - 145
Max. required oil pressure	BAR psi	350 5100	350 5100	350 5100	350 5100	350 5100

1) The maximum operating load permitted for the excavator, when added to the weight of the standard bucket, must match or exceed the weight of the crusher bucket at full load.  
(2) User is responsible for ensuring that the equipment meets the excavator's specifications and weight requirements.  
(3) Without mounting bracket.

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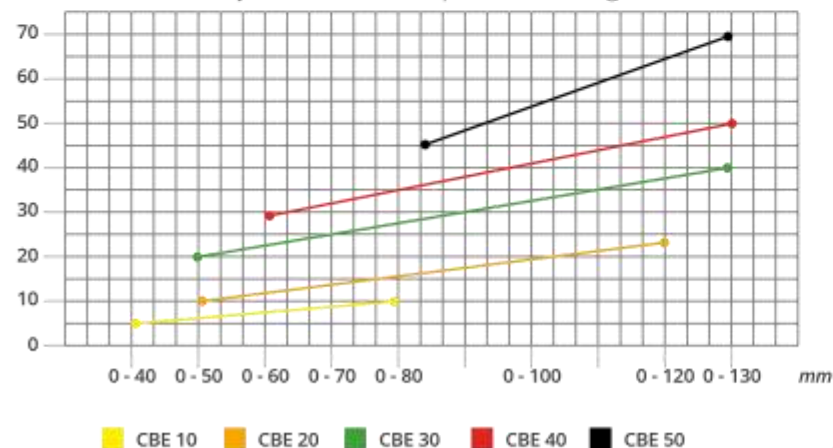


CBE 10  
CBE 20  
CBE 30  
CBE 40  
CBE 50

## EASY LOADING

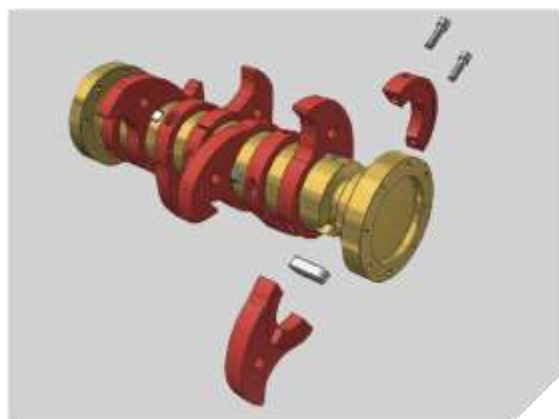
Works fast and efficiently thanks to the drum design and large mouth shaped as a standard bucket.  
Can operate with back or front loading.

m<sup>3</sup>/h Table of CBE production (in optimal working conditions)



## BETTER PROTECTION AND LONGER LIFE

Thanks to tools with anti-wear surface.  
Simple, quick tool replacement.



**SIMEX**  
• patent •

## UNAFFECTED

by the presence of iron rods, soil, humid or wet material.

Crushable materials: bricks, reinforced concrete, natural aggregates, concrete, tiles, glass and asphalt slabs.

## CRUSHABLE MATERIALS



## EXCEPTIONAL CUTTING FORCE

Allows crushing of any material thanks to rotor activated by hydraulic piston motors in direct drive.  
Automatic system inverts drum rotation in case of blocking.

## SIZE OF CRUSHED MATERIAL

mm	inch	CBE 20	CBE 30	CBE 40	CBE 50
0 - 40	0 - 1,6				
0 - 50	0 - 2,0	■	■		
0 - 60	0 - 2,4	■	■	■	
0 - 70	0 - 2,8	○	○	○	
0 - 80	0 - 3,2	■	■	■	○
0 - 100	0 - 4,0	■	■	■	■
0 - 120	0 - 4,7	■	■	■	■
0 - 130	0 - 5,1			■	■

■ Standard  
○ On request





RANGE

**PLB/PHD**

## PLANERS

PLB 200

PLB 300

PLB 400

PLB 450

PHD 600

PLB 350

PHD 450

PLB 450N

- Mill on horizontal, vertical or sloped surfaces
- Constant planing depth
- Independent RH-LH depth adjustment
- Perfect surfaces with side-by-side passes



(1) User is responsible for ensuring that the equipment meets the excavator's specifications and weight requirements. (\*) On request.





PLB 200  
PLB 300  
PLB 400  
PLB 450  
PHD 600  
PLB 350  
PHD 450  
PLB 450N



Designed to **mill pre-set** sections on hard and compact surfaces, the PLB and PHD planers for excavators are able to remove the entire layer of asphalt or concrete in preparation for trenching, or are used to mill deteriorated sections for later resurfacing.

They can work on horizontal, vertical or sloped surfaces.

**SIMEX** **PERFORMER**  
• patent •

## ADVANTAGES

- Mill on horizontal, vertical or sloped surfaces
- Constant planing depth
- Independent RH-LH depth adjustment
- Perfect surfaces with side-by-side passes



TECHNICAL DATA		SINGLE DEPTH					DOUBLE DEPTH		FREE
		PLB 200	PLB 300	PLB 400	PLB 450	PHD 600	PLB 350	PHD 450	PLB 450N
Recommended excavator weight (1)	ton lbs	2-4 4400 - 8800	3-7 6600 - 15400	6-9 13000 - 20000	8-13 17600 - 29000	16-24 35000 - 53000	6-9 13000 - 20000	10-16 22000 - 35000	8-15 17600 - 33000
Standard drum									
Width	mm inch	200 8	300 12	400 16	450 18	600 24	350 14	450 18	450 18
Depth	mm inch	0-70 0-3	0-100 0-4	0-120 0-5	0-150 0-6	0-200 0-8	0-120 0-5	0-180 0-7	150 6
Special drums on request									
Width	mm inch	50-250 2-10	50-300 2-12	50-400 2-16	75-450 3-18	75-600 3-24	50-350 2-14	75-450 3-18	75-450 3-18
Max. depth	mm inch	125 5	130 5	150 6	200 8	250 10	150 6	220 9	220 9
Independent RH-LH depth adjustment	-	-	-	-	-	-	Standard	Standard	-
Min. distance from curb	mm inch	40 (20*) 1,6 (0,8*)	50 (25*) 2 (1*)	50 (25*) 2 (1*)	60 (30*) 2,4 (1,2*)	75 (40*) 2,6 (1,4*)	50 (27*) 2 (1*)	75 (40*) 3 (1,4*)	-
Swinging support rotation angle	-	120°	127°	118°	120°	105°	118°	102°	180°
Operating weight	kg lbs	185 407	390 860	515 1130	710 1560	1150 2530	530 1160	900 1980	360 790
Required oil flow	l/min gpm	30-50 8-13	45-75 12-20	55-90 15-24	75-140 20-37	120-200 32-53	55-90 15-24	90-140 24-37	80-140 21-37
Max. required oil pressure (2)	BAR psi	250 3625	300 4350	300 4350	300 4350	300 4350	300 4350	300 4350	300 4350



PLB 200  
PLB 300  
PLB 400  
PLB 450  
PHD 600  
PLB 350  
PHD 450  
PLB 450N

## MECHANICAL DEPTH ADJUSTMENT

with telescopic screw or hydraulic (Optional).

**SIMEX**  
• patent •

**THE INDEPENDENT RH-LH DEPTH** adjustment allows the slide on the opposite side of the motor to be height-adjusted independently, **resulting in perfect surfaces with side-by-side passes.**

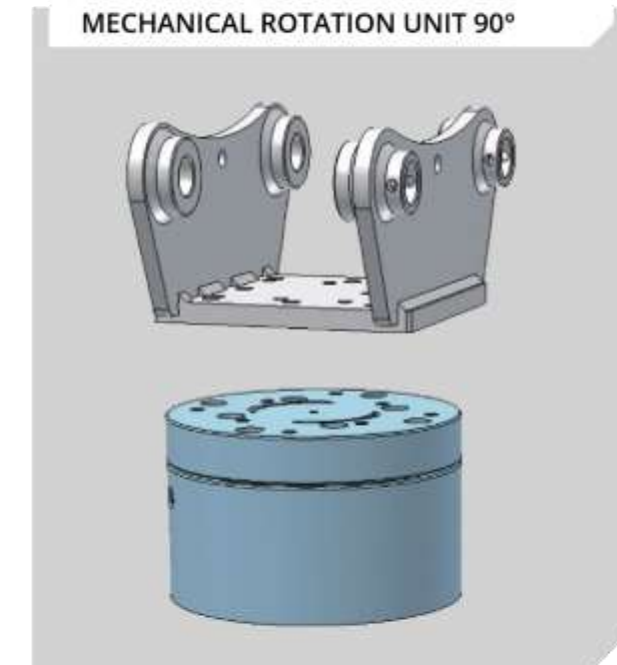
### ADJUSTABLE SLIDE



## ROTATION UNIT (Optional):

Planer quickly positions itself via 90° mechanical rotation with hydraulic locking (additional hydraulic lines not required) or 360° hydraulic rotation (Optional).

### MECHANICAL ROTATION UNIT 90°



**SIMEX PERFORMER**  
• patent •

## PERFORMER:

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

## CONSTANT PLANING DEPTH

Thanks to the swinging support pivoted on the same rotation axis as the cutter drum, **the attachment maintains a perfect planing surface in any condition**, regardless of ground contour or the position of the attachment with respect to the prime mover.

## SPECIAL DRUMS

available on request











RANGE

**WG**

## WALL GRINDERS

WG 40

WG 50

WG 60

- Quiet operation
- No vibrations
- Ideal for removing shotcrete bumps
- Excellent surface finishing



WG 40  
WG 50  
WG 60



Designed for excavator mounting, Simex WG wall grinders **are ideal for smoothing uneven surfaces and removing shotcrete bumps.**

**Quiet operation and no vibrations.** Optimal for working in sensitive areas (city centers, hospitals, schools, tunnels, etc.).

**Excellent degree of surface finishing.**



## ADVANTAGES

- Quiet operation
- No vibrations
- Ideal for removing shotcrete bumps
- Excellent surface finishing

TECHNICAL DATA		WG 40	WG 50	WG 60
Recommended excavator weight (1)	ton lbs	3,5 - 7 7700 - 15000	6 - 12 13000 - 26000	12 - 20 24000 - 40000
Disk diameter	mm inch	400 16	500 20	600 24
Max. power	kN (hp)	22 (30)	34 (46)	50 (67)
Lateral tilt to right and left	-	55°	55°	55°
Rotation speed	rpm	130 - 160	130 - 160	100 - 130
Operating weight (2)	kg lbs	175 385	290 640	550 1210
Required oil flow	l/min gpm	45 - 70 12 - 18	60 - 110 16 - 29	100 - 180 27 - 47
Max. required oil pressure	BAR psi	300 4350	300 4350	300 4350

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

(2) Without mounting bracket attaching to prime mover.

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



Mini-excavator



Excavator





Skid steer loader

Front loader





RANGE

**MP**

## CUTTER HEADS FOR PROFILING

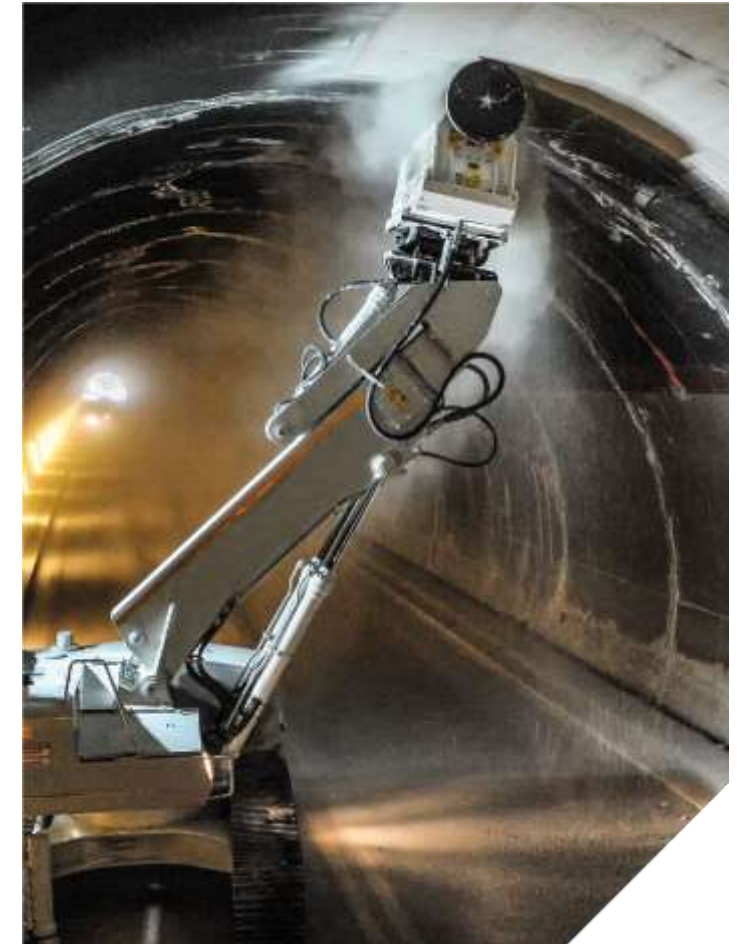
MP 800

MP 1000

- Perfect finish
- Constant milling depth
- Milling on horizontal, vertical or sloped surfaces
- Ideal for profiling applications



# CUTTER HEADS



Skid steer loader

Front loader



MP 800  
MP 1000



Simex MP cutter heads for profiling, designed for excavator boom mounting, guarantee precision finishing in applications such as: resurfacing tunnel roofs, rehabbing deteriorated surfaces, concrete embankments and industrial pavements.

**Wheels or lateral slides** allow milling thickness to remain constant in any condition. Excellent for materials such as **asphalt, concrete** and **rock**, and for milling **on horizontal, vertical or sloped surfaces**.

Wall alignment device (Optional).



## ADVANTAGES

- Perfect finish
- Constant milling depth
- Milling on horizontal, vertical or sloped surfaces
- Ideal for profiling applications

TECHNICAL DATA		MP 800	MP 1000
Recommended excavator weight (1)	ton lbs	22 - 40 48500 - 88000	22 - 40 48500 - 88000
Milling width	mm inch	800 31	1000 40
Max. working depth	mm inch	100 4	100 4
Cutting force	kN lbf	43,8 9850	43,8 9850
Operating weight (2)	kg lbs	2000 4400	2300 5060
Required oil flow	l/min gpm	200 - 300 53 - 80	200 - 300 53 - 80
Max. required oil pressure	BAR psi	350 5100	350 5100

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

(2) Without mounting bracket.

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# FOR PROFILING



Quarry and mines



Quarries



Port and underwater works



Construction and building



Infrastructure



Tunneling



Agriculture and forestry



Recycling



Road/bridge



Mining



Mini-excavator



Excavator





Skid steer loader

Front loader







RWE 20  
RWE 30  
RWE 50



Intended for excavator boom mounting, they are specially indicated for **cutting and narrow trenching for fiber optics installation** on hard and compact surfaces: **asphalt, concrete and rock**. Slides parallel to the ground. **Constant trenching depth**. Mechanical or hydraulic adjustment of trench depth. Disk with removable, interchangeable segments allows **quick variation of the trench width** while maintaining the same base wheel. (RWE 50).

**Clean trench:** the special design of outlets allows trench to be cleared efficiently at the depth programmed.

**SIMEX** **PERFORMER**  
• patent •

## ADVANTAGES

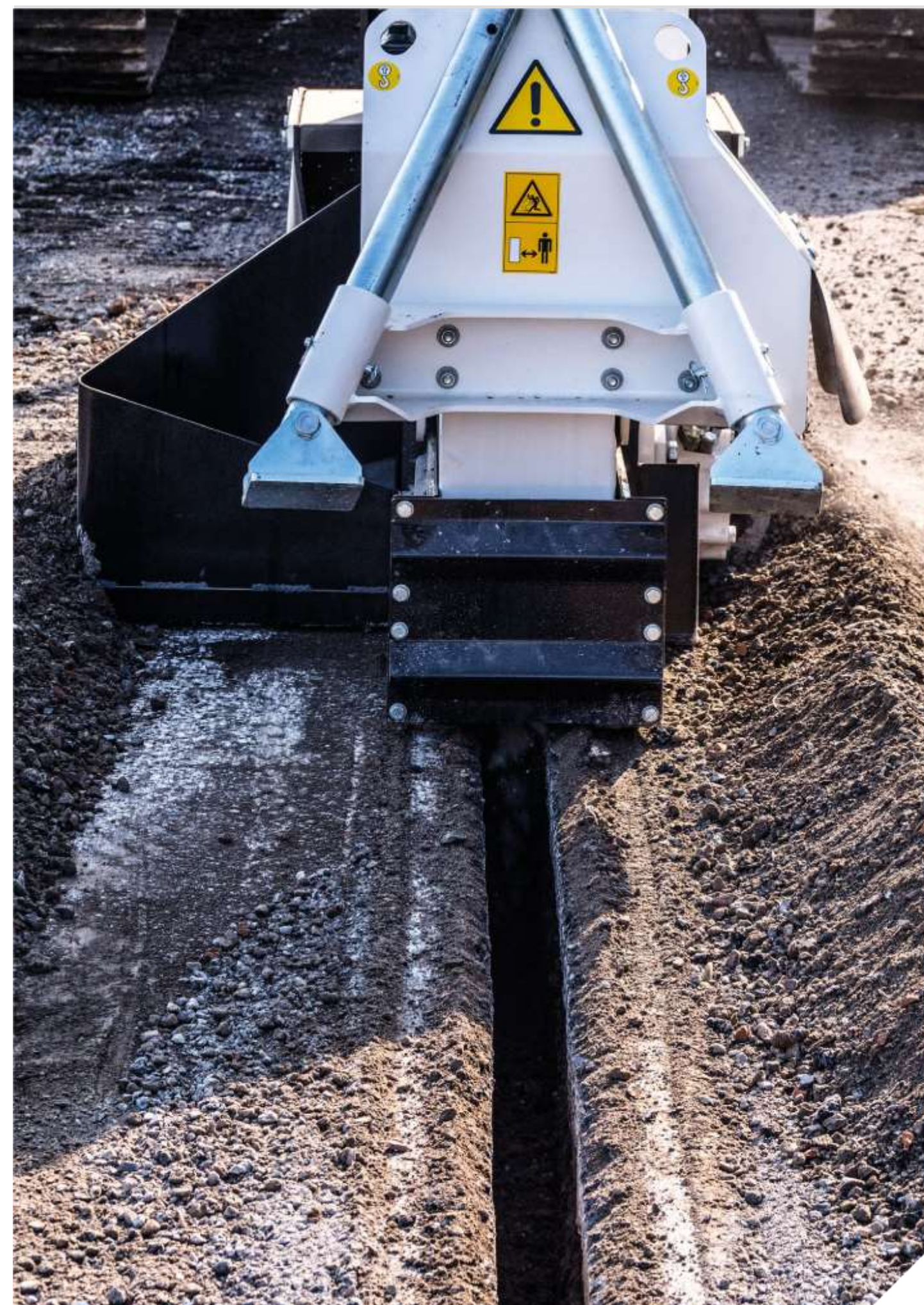
- Clean trench
- Ideal fiber optics installation
- High performance
- High cutting force

TECHNICAL DATA		RWE 20	RWE 30	RWE 50
Recommended excavator weight (1)	ton lbs	2,5 - 5 5500 - 11000	5 - 10 11000 - 22000	14 - 18 28000 - 39800
Width	mm inch	30 - 40 - 50 1,2 - 1,6 - 2,1	30 - 50 - 80 1,2 - 2 - 3	50 - 80 - 100 - 120 2 - 3 - 4 - 4,7
Depth	mm inch	200 8	300 12	300 - 500 12 - 20
Cutting force	kN lbf	3,7 830	7,9 1775	8,9 2000
Depth adjustment		-	-	hydraulic self-leveling mechanism (optional)
Operating weight (2)	kg lbs	125 275	400 880	1390 3060
Required oil flow	l/min gpm	30 - 75 8 - 20	60 - 120 16 - 32	100 - 160 26 - 42
Max. required oil pressure	BAR psi	250 3625	300 4350	350 5076

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

(2) Without mounting bracket attaching to prime mover.

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**SIMEX**  
HEAVY MADE EASY

RANGE  
**RWE**

**WHEEL  
SAWS**

**RWE 60**

- Ideal for demolition
- Can work under water
- High performance
- High cutting force





For excavator boom mounting, RWE 60 wheel saws are designed to make set-section cuts on hard and compact surfaces: asphalt, concrete, rock.

Ideal for demolition and underwater works. Two high-displacement radial piston hydraulic motors in direct drive guarantee a high torque.

**SIMEX** **PERFORMER**  
• patent •



## ADVANTAGES

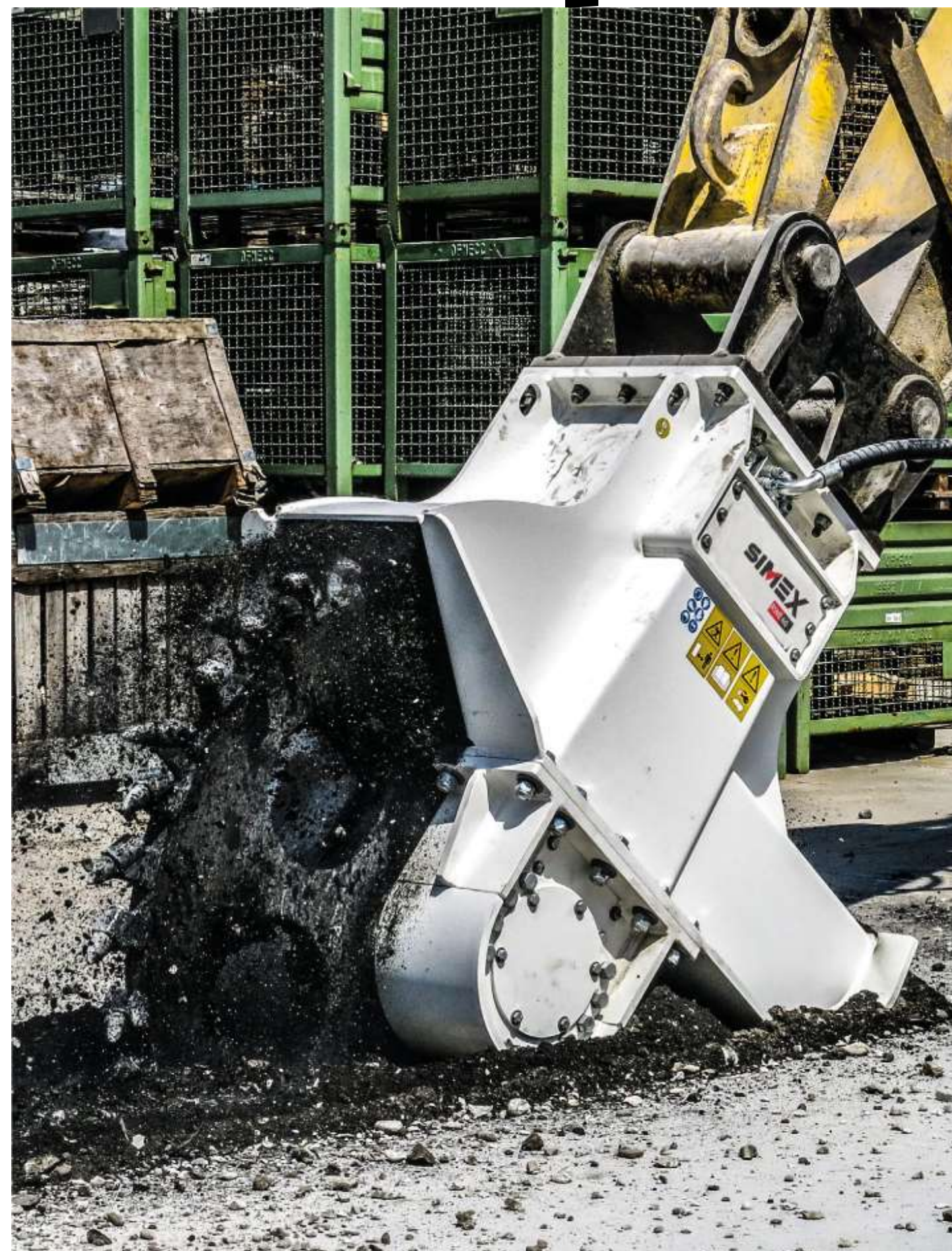
- Ideal for demolition
- Can work under water
- High performance
- High cutting force

TECHNICAL DATA		RWE 60
Recommended excavator weight (1)	ton lbs	28 - 45 61000 - 99000
Width	mm inch	100 - 130 - 200 4 - 5 - 8
Depth	mm inch	600 24
Cutting force	kN lbf	23 5170
Operating weight (2)	kg lbs	2550 5600
Required oil flow	l/min gpm	200 - 350 53 - 93
Max. required oil pressure	BAR psi	350 5100

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

(2) Without mounting bracket attaching to prime mover.

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Skid steer loader

Front loader





RANGE

**CHD**

## CHAIN TRENCHERS

CHD 90B

CHD 120B

CHD 150B

- Clean trench
- Maximum stability at any depth



CHD 90B  
CHD 120B  
CHD 150B



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

The discharge screw on the righthand side and the trench clearing device make 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.

## PERFORMER

## ADVANTAGES

- Clean trench
- Maximum stability at any depth



TECHNICAL DATA		CHD 90B	CHD 120B	CHD 150B
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
Scraper		mechanical spring	mechanical spring	mechanical spring
Operating weight (1) (2)	kg lbs	525 1150	590 1300	640 1410
Required oil flow	l/min gpm	60 - 120 16 - 32	70 - 140 18 - 37	90 - 160 24 - 42
Max. oil pressure	BAR psi	250 66	250 66	250 66
Recommended excavator size	ton lbs	7 - 15 15400 - 33000	8 - 15 17600 - 33000	8 - 15 17600 - 33000

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

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

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**SIMEX**  
HEAVY MADE EASY

RANGE

**CT**

# VIBRATING WHEEL COMPACTORS

CT 2.8B

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



## VIBRATING WHEEL





CT 2.8B



Quarries and mines



Cemeteries



Road and underground works



Construction and building



Infrastructure



Tunneling



Agriculture and forestry



Recycling



Roadworks



Trenching



Mini-excavator



Excavator



Skid steer loader

Front loader



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 2.8B

Recommended excavator weight (1)	ton lbs	5 - 12 11000 - 26500
Standard wheel		
Width of bolted sectors (mm)	mm inch	150 - 200 - 250 - 300 - 350 - 400 6 - 8 - 10 - 12 - 14 - 16
Working depth	mm inch	0 - 700 0 - 28
Special wheels		
Wheel width (2)	mm inch	50 - 100 2 - 4
Working depth	mm inch	0 - 350 0 - 14
Vibration frequency	Hz	30 - 40
Max. vertical force	kN lbf	42 9400
Operating weight (3)	kg lbs	530 - 585 1160 - 1300
Required oil flow	l/min gpm	40 - 60 11 - 16
Max. required oil pressure	BAR psi	220 3200

(1) The maximum operating load permitted for the excavator, when added to the weight of the standard bucket, must match or exceed the weight of the attachment.

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

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

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

## COMPACTORS









**SIMEX**  
HEAVY MADE EASY

RANGE

**PV**

# VIBRATING PLATE COMPACTORS

PV 300 PV 450 PV 600 PV 700 PV 850

- Precision
- Maintenance-free
- Versatile



PV 300  
PV 450  
PV 600  
PV 700  
PV 850



Designed to **compact any surface**, Simex PV vibrating plate compactors are an excellent solution for **achieving a solid, even, and well compacted bottom** that will never give way.

**Possibility to mount the rotation device** allows compaction in any position and in the most difficult-to-reach spots.

**No routine maintenance is needed.**



## ADVANTAGES

- Precision
- Maintenance-free
- Versatile



DATI TECNICI		PV 300	PV 450	PV 600	PV 700	PV 850
Recommended excavator weight	ton lbs	1,5 - 5 3300 - 11000	4 - 10 8800 - 22000	6 - 15 13000 - 33000	12 - 25 26400 - 55000	20 - 40 44000 - 88000
Plate dimensions	mm inch	290 x 710 11 x 28	440 x 710 17 x 28	550 x 890 22 x 35	710 x 1160 28 x 45	860 x 1110 34 x 44
Vibration frequency	n/min vpm	2100	2100	2100	2100	2100
Compaction force	kN lbf	15 3400	27 6000	34 7650	68 15300	93 20900
Weight without bracket (1)	kg lbs	190 420	300 660	410 900	875 1925	1040 2300
Required oil pressure	BAR psi	160 2320	160 2320	160 2320	160 2320	160 2320
Required oil flow	l/min gpm	30 8	57 15	75 20	110 29	155 41

(1) User is responsible for ensuring that the equipment meets the excavator's specifications and weight requirements.  
Simex does not accept responsibility or liability for the information provided. Technical modifications may vary without prior notice.

# VIBRATING PLATE COMPACTO



Utilities



Quarry and stone



Demolition



Port and underwater works



Construction and building



Infrastructure



Tunneling



Agriculture and forestry



Recycling



Roadworks



Training



Mine excavator



Excavator



**simex.it**

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