

simex.it



## PRODUCT CATALOGUE

**SIMEX**  
HEAVY MADE EASY

## 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**

**A SOLID  
BACKGROUND &  
WORLDWIDE  
PRESENCE**



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.**

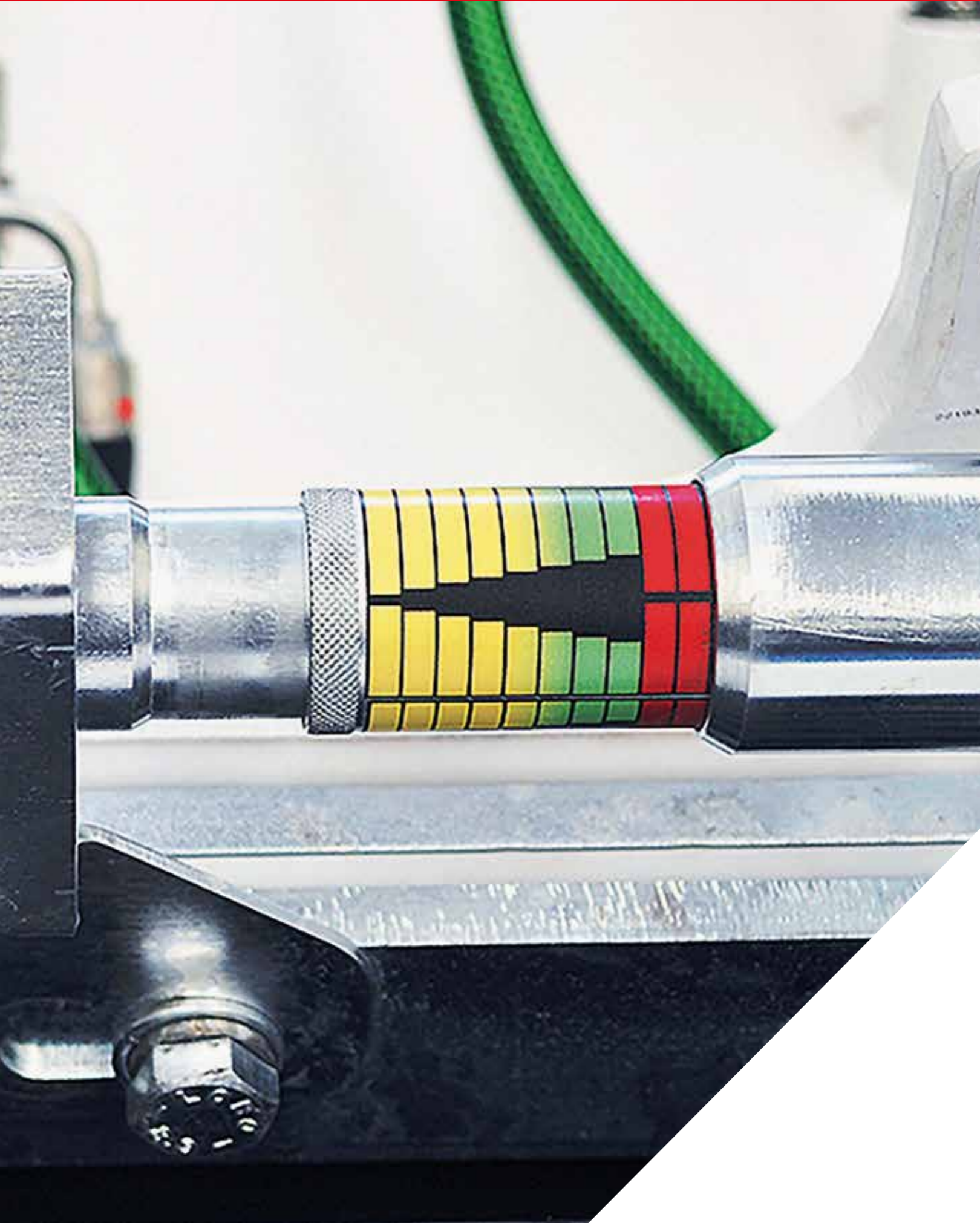
The numerous patents Simex has filed over the years are testimony of how Simex maintains and continuously renews its innovative leadership. The company continually produces innovative solutions for the many, and increasingly complex, demands of a market in continuous evolution.



# FULL LINE PRODUCTION



Page 09	<b>PERFORMER</b>	Simex Patent
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Page 27	<b>VSE</b>	SCREENING BUCKETS Adjustable output size
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**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**

DOUBLE DRUM  
**CUTTER  
HEADS**

TF 200

TF 400

TF 650

TF 850

TF 1100

TF 2100

TF 3100

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

# DOUBLE-DRUM CUTTER HEADS

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



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

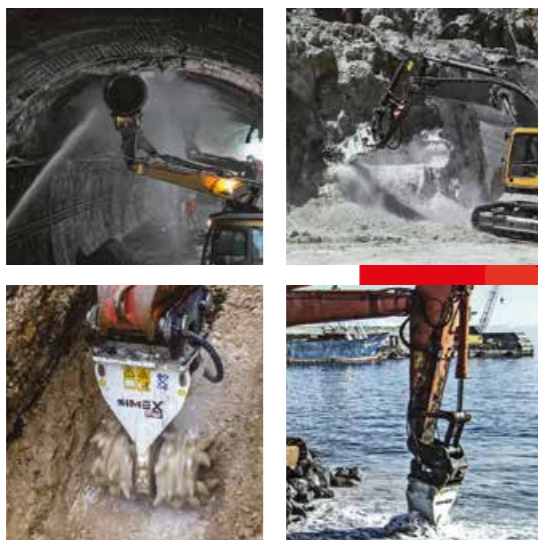
They are highly effective where conventional excavation systems are too weak and percussion systems have little effect. Their quiet operation allows them to be put to work near sensitive areas (residential zones, hospitals, schools, bridges and infrastructures).

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



## 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 650	TF 850	TF 1100	TF 2100	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 - 50 61700 - 110000	50 - 75 110000 - 165400
Weight without bracket (1)	kg lbs	300 660	470 1050	650 1430	1100 2420	1340 2950	2380 5240	2940 6470
Nominal power	hp (kW)	40 (30)	55 (40)	68 (50)	95 (70)	122 (90)	163 (120)	250 (185)
Rotation torque	kNm lbf.ft	2,8 2080	5,1 3760	7,4 5450	12,1 8920	20 14750	26,7 19700	48 35400
Cutting force	kN lbf	15,1 3400	22,5 5100	30,5 6850	40,2 9000	61 13700	71 16000	128 28700
Max. pressure (2)	BAR psi	350 5100	350 5100	350 5100	400 5800	400 5800	400 5800	400 5800
Required oil flow	l/m gpm	45 - 80 12 - 21	65 - 120 17 - 32	90 - 150 24 - 40	140 - 190 37 - 50	170 - 250 45 - 66	240 - 340 63 - 90	350 - 500 92 - 132

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



- 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

- TF 200
- TF 400
- TF 600
- TF 850
- TF 1100
- TF 2100
- 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

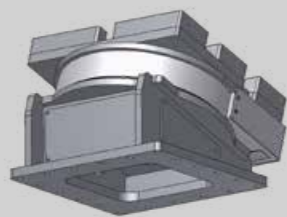


Backhoe

### 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.

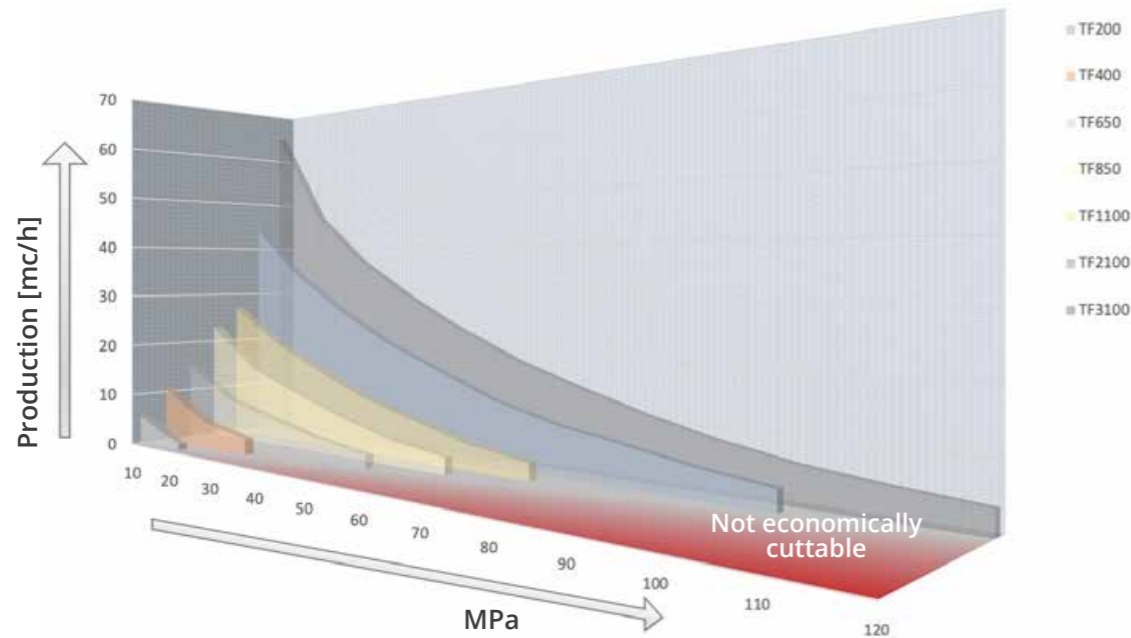




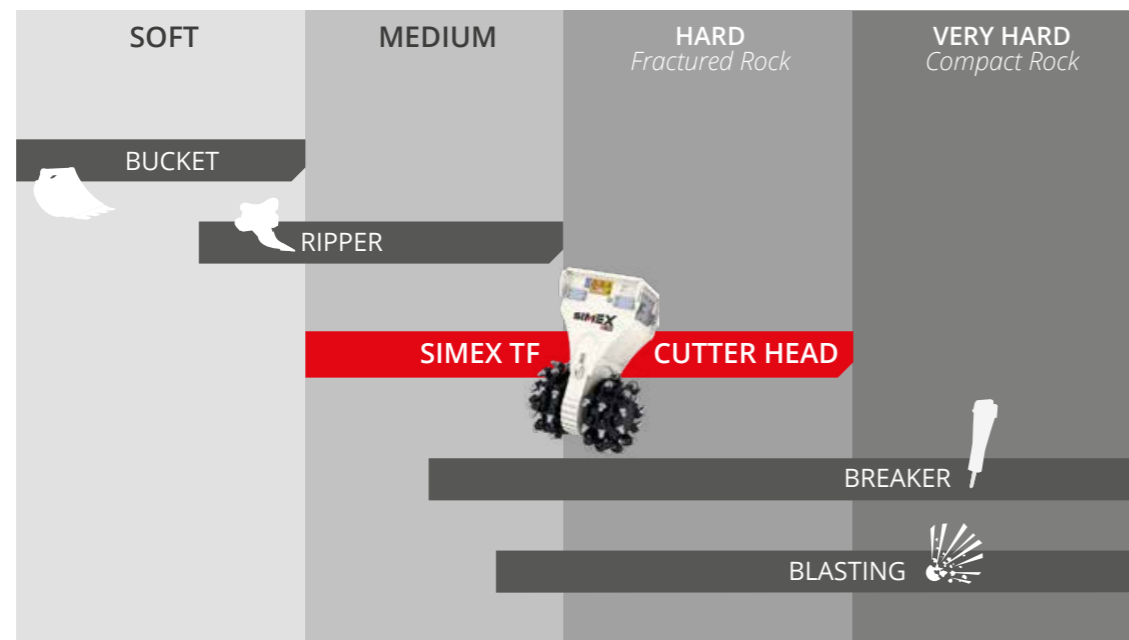
TF 200  
TF 400  
TF 600  
TF 850  
TF 1100  
TF 2100  
TF 3100

**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)**

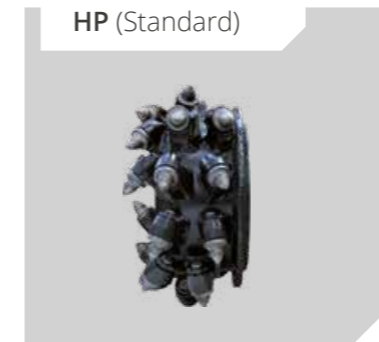
Penetrates deep, even into hard materials.

**GP (Optional)**

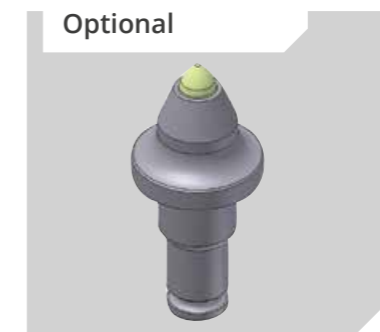
Recommended for wall profiling and various types of jobs.

**WP (Optional)**

Special drum for finishing and profiling.



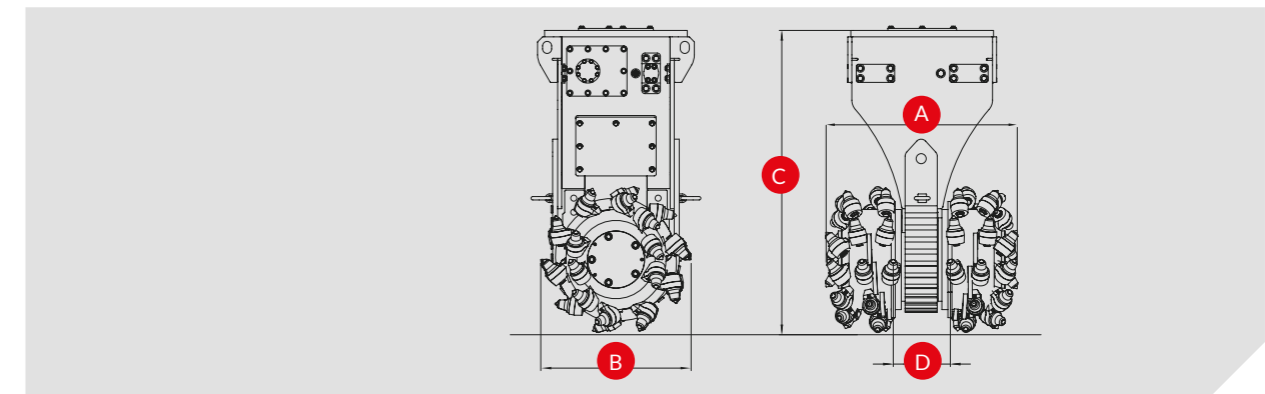
**TEETH available:**



Mixed materials

Hard materials

For wood



TECHNICAL DATA		TF 200	TF 400	TF 650	TF 850	TF 1100	TF 2100	TF 3100
Drum width (HP) standard <b>A</b>	mm inch	565 22	625 25	700 28	800 32	865 34	965 38	1270 50
Drum width (GP) optional <b>A</b>	mm inch	-	-	-	890 36	1000 40	1100 43	1350 53
Drum width (WP) optional <b>A</b>	mm inch	650 26	750 30	850 34	920 36	1200 47	-	-
HP drum diameter <b>B</b>	mm inch	380 15	450 18	500 20	595 24	660 26	750 30	750 30
Height without bracket <b>C</b>	mm inch	840 33	970 38	1005 40	1270 50	1335 53	1570 62	1825 75
Drum distance <b>D</b>	mm inch	110 4	130 5	135 5,3	180 7	190 7,5	250 10	330 13
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



**SIMEX**  
HEAVY MADE EASY

RANGE  
**TFC**

**CUTTER  
HEADS**  
CONTINUOUS CUTTING

TFC 50 TFC 100 TFC 400 TFC 600

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

# CUTTER HEADS

## CONTINUOUS CUTTING



**SIMEX**  
• patent •

The **patented cutter heads with continuous cutting** are specially designed for mounting on 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:

- Profiling of tunnels, foundations and concrete surfaces.
- Milling **asphalt and cement**
- Milling plaster (thanks to lateral disks there is perfect control of the layer removed)
- Cipping **roots and tree trunks**

### ADVANTAGES

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



TECHNICAL DATA		TFC 50	TFC 100	TFC 400	TFC 600
Width (cutting profile)	mm inch	370 15	480 / 430 (*) 19 / 17 (*)	500 / 440 (*) 20 / 17 (*)	540 / 490 (*) 21 / 20 (*)
Drum diameter (cutting profile)	mm inch	230 9	260 10	420 16	480 19
Weight (1)	kg lbs	90 200	170 375	400 880	670 1470
Recommended excavator weight (2)	ton lbs	1,2 - 3,0 2640 - 6600	2,5 - 4,5 5600 - 9900	6 - 10 13000 - 22000	9 - 12 20000 - 26400
Required oil flow (3)	l/min gpm	20 - 40 5 - 10	30 - 60 8 - 16	65 - 115 17 - 30	90 - 150 24 - 40
Max. required oil pressure (4)	BAR psi	250 3625	300 4350	300 4350	300 4350
Max. torque	Nm lbf.ft	600 (at 250 bar) 445 (at 3625 psi)	1060 (at 300 bar) 780 (at 4350 psi)	3800 (at 300 bar) 2800 (at 4350 psi)	5900 (at 300 bar) 4350 (at 4350 psi)
Max. cutting force	N lbf	5100 (at 250 bar) 1145 (at 3625 psi)	8100 (at 300 bar) 1820 (at 4350 psi)	18500 (at 300 bar) 4160 (at 4350 psi)	24500 (at 300 bar) 5500 (at 4350 psi)

(\*) Narrow drums for increased penetration.

(1) Without brackets

(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.

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TFC 50  
TFC 100  
TFC 400  
TFC 600



Utilities



Quarries and mines



Demolition



Port and underwater works



Construction and building



Infrastructure



Tunneling



Agriculture and forestry



Recycling



Roadworks



Trenching



Mini-excavator



Excavator



Skid steer loader



Front loader



Backhoe



**SIMEX**  
HEAVY MADE EASY

RANGE

**TFV**

VERTICAL  
**CUTTER  
HEADS**

TFV 400

TFV 600

TFV 850

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

# VERTICAL CUTTER HEADS

TFV 400  
TFV 600  
TFV 850



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 (1)	ton lbs	7 - 12 15400 - 26400	10 - 18 22000 - 39600	15 - 25 33000 - 55000
Rotation speed	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 (2)	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

(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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- Backhoe



RANGE

**VSE**

## SCREENING BUCKET

WITH 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

# SCREENING BUCKET

## WITH ADJUSTABLE OUTPUT SIZE

VSE 10  
VSE 20  
VSE 30  
VSE 40



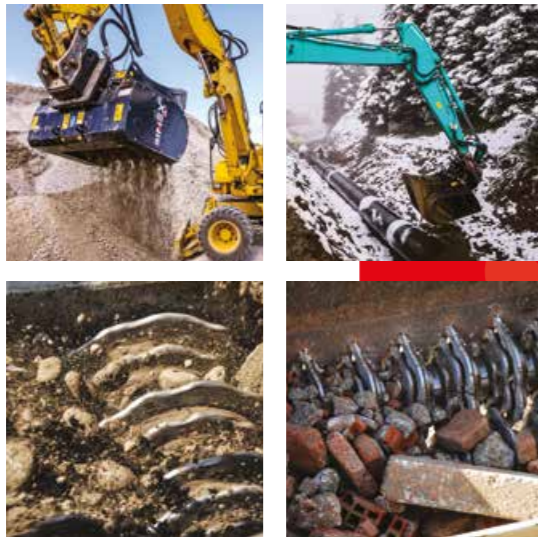
Designed for **separating different-sized materials on the work site**, Simex VSE screening buckets are unique for their **easy loading, very simple operation and high productivity**.

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



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

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- Skid steer loader
- Front loader
- Backhoe

VSE 10  
VSE 20  
VSE 30  
VSE 40

Utilities

Quarries and mines

Demolition

Port and underwater works

Construction and building

Infrastructure

Tunneling

Agriculture and forestry

Recycling

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### HIGH INCREASE IN PRODUCTIVITY

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

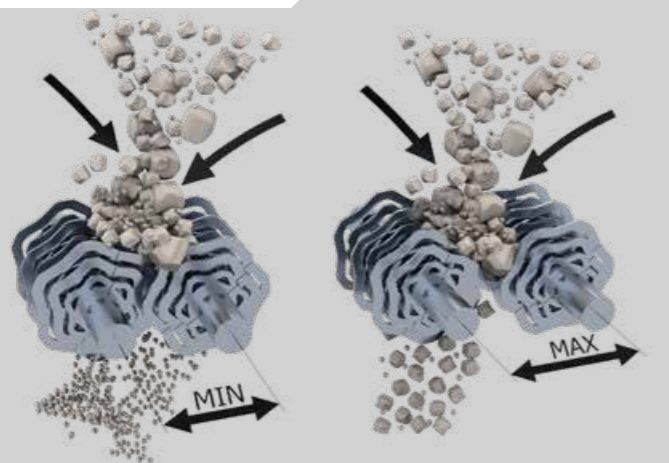
**SIMEX**  
• patent •

### 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*).

#### MINIMUM/MAXIMUM



### HIGH PRODUCTIVITY

Even when working with wet soil

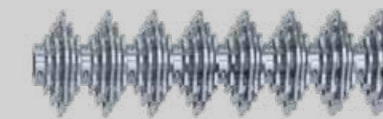
### EASY LOADING

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.**

#### STANDARD TOOLS



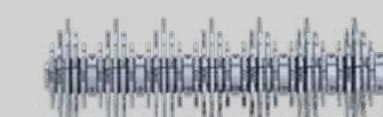
Tool for screening mixed material

#### BREAKING TOOLS



Tool for screening and breaking up light materials

#### MIXED TOOLS



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







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

# CRUSHER BUCKETS

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.**



## 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)	m <sup>3</sup> yd <sup>3</sup>	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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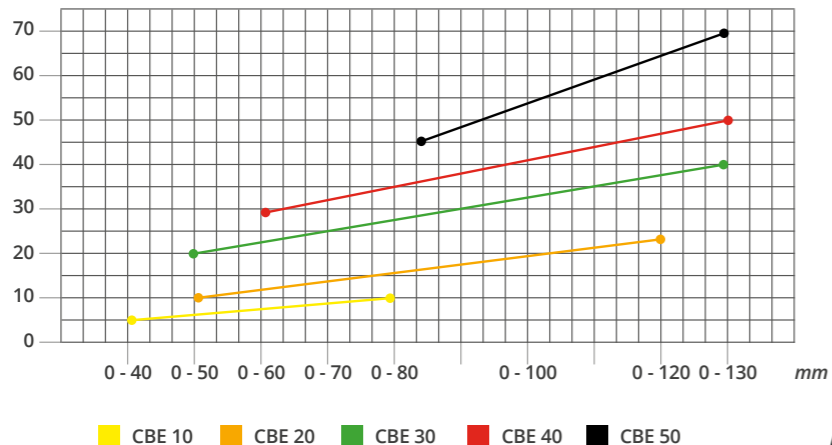
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- CBE 10
- CBE 20
- CBE 30
- CBE 40
- CBE 50

## EASY LOADING

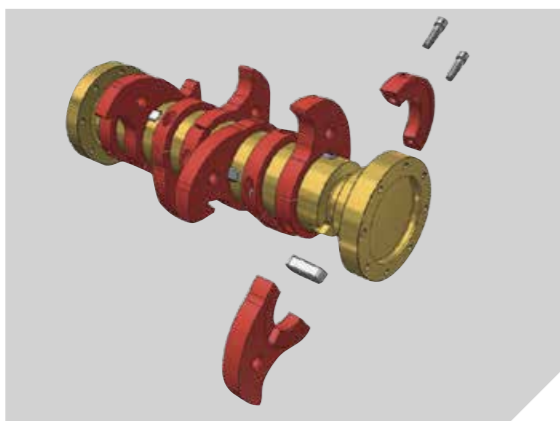
Works fast and efficiently thanks to the drum design and large mouth shaped as a standard bucket.  
Can operate with back or front loading.

*m³/h* Table of CBE production (in optimal working conditions)

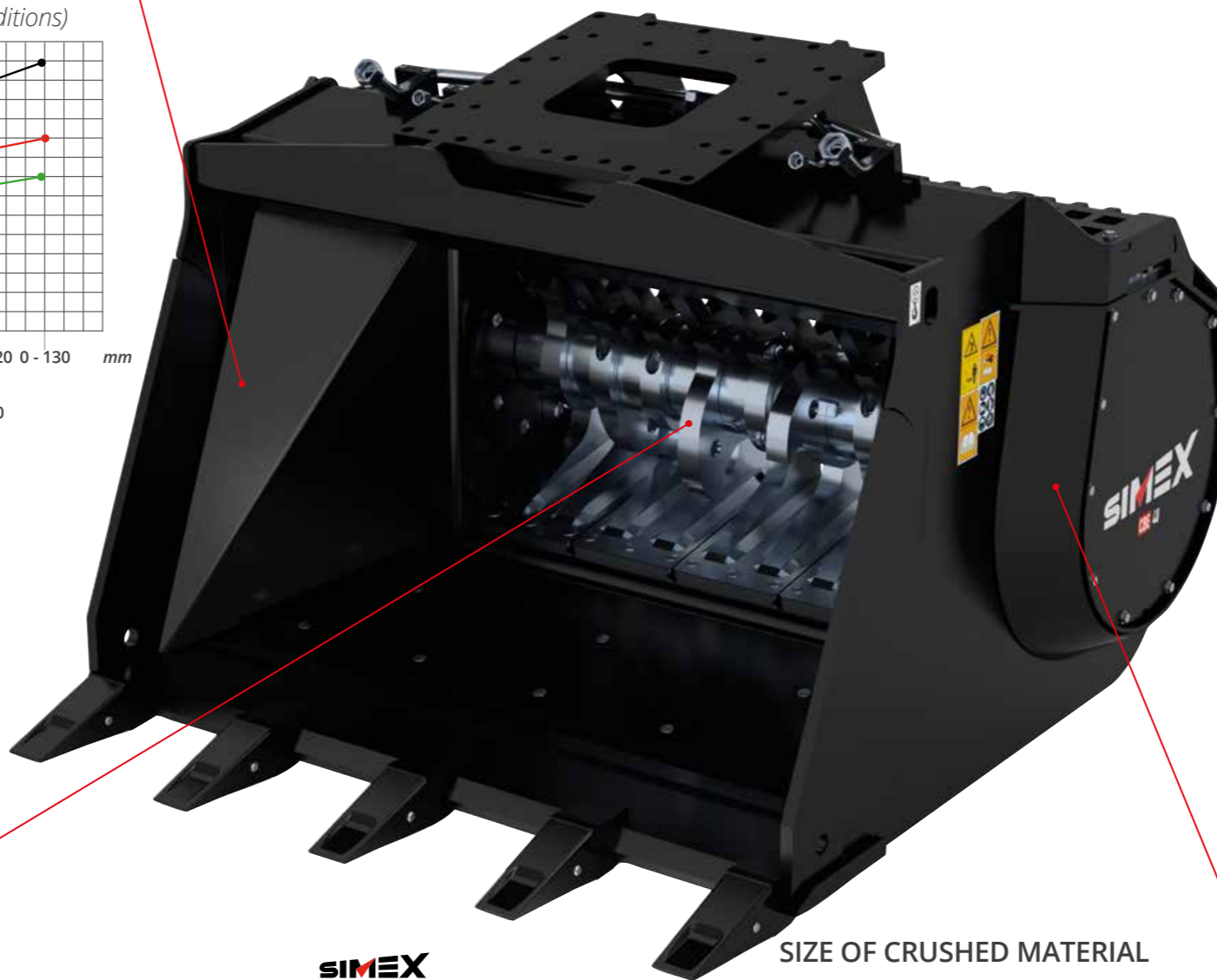


## BETTER PROTECTION AND LONGER LIFE

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.



## 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 10	CBE 20	CBE 30	CBE 40	CBE 50
0 - 40	0 - 1,6	■				
0 - 50	0 - 2,0	■	■	■		
0 - 70	0 - 2,8	○	○	○	○	
0 - 80	0 - 3,2	■	■	■	■	○
0 - 100	0 - 4,0	■	■	■	■	■
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

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

# PLANNER

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



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	
		PLB 200	PLB 300	PLB 400	PLB 450	PHD 600	PLB 350	PHD 450
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
Standard drum								
Width	mm inch	200 8	300 12	400 16	450 18	600 24	350 14	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
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
Max. depth	mm inch	125 5	130 5	150 6	200 8	250 10	150 6	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°
Operating weight	kg lbs	185 407	390 860	515 1130	710 1560	1150 2530	530 1160	900 1980
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
Max. required oil pressure (2)	BAR psi	250 3625	300 4350	300 4350	300 4350	300 4350	300 4350	300 4350

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

(\*) On request.

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



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



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

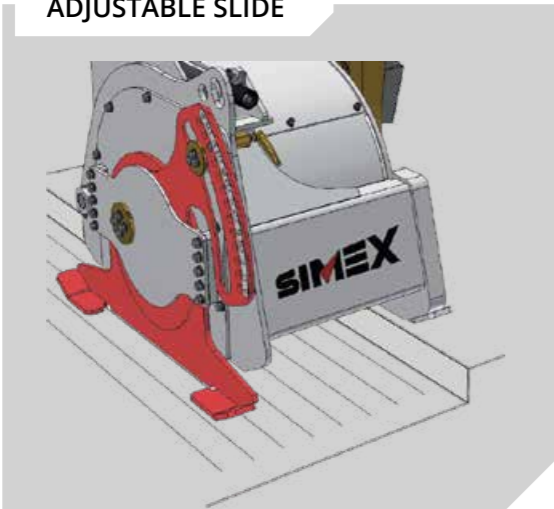
## MECHANICAL DEPTH ADJUSTMENT

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.**

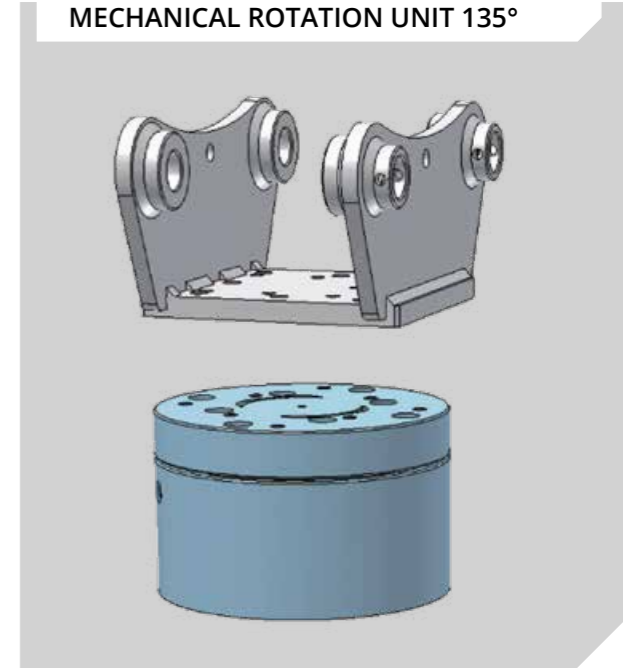
### ADJUSTABLE SLIDE



## ROTATION UNIT (*Optional*):

Planer quickly positions itself via 135° mechanical rotation with hydraulic locking (additional hydraulic lines not required) or 360° hydraulic rotation (*Optional*).

### MECHANICAL ROTATION UNIT 135°



**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



**SIMEX**  
HEAVY MADE EASY

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	kW (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.

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- Utilities
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- Recycling
- Roadworks
- Trenching
- Mini-excavator
- Excavator
- Skid steer loader
- Front loader
- Backhoe





**SIMEX**  
HEAVY MADE EASY

RANGE

**MP**

## CUTTER HEADS FOR PROFILING

MP 600

MP 800

MP 1000

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

# CUTTER HEADS FOR PROFILING

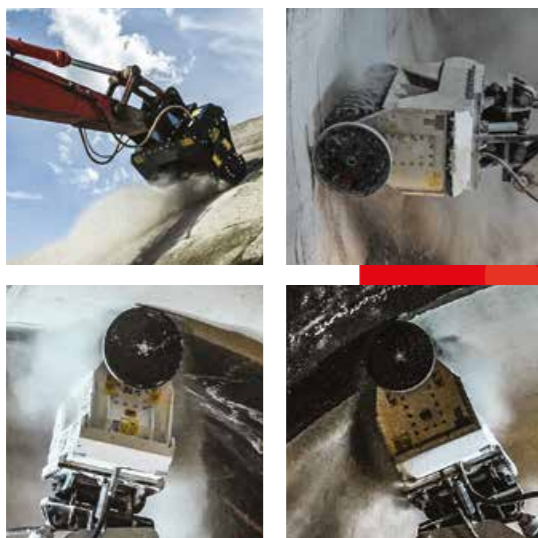
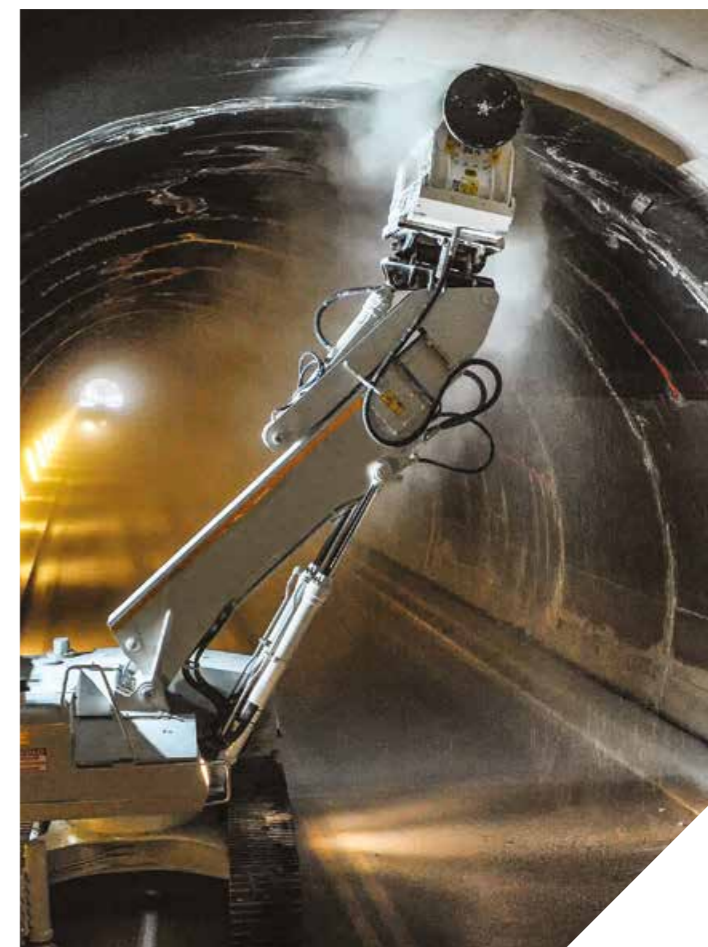
MP 600  
MP 800  
MP 1000



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 600	MP 800	MP 1000
Recommended excavator weight (1)	ton lbs	14 - 22 31000 - 48500	22 - 40 48500 - 88000	22 - 40 48500 - 88000
Milling width	mm inch	600 24	800 31	1000 40
Max. working depth	mm inch	100 4	100 4	100 4
Cutting force	kN lbf	43,8 9850	43,8 9850	43,8 9850
Operating weight (2)	kg lbs	1150 2530	2000 4400	2300 5060
Required oil flow	l/min gpm	120 - 200 32 - 53	200 - 300 53 - 80	200 - 300 53 - 80
Max. required oil pressure	BAR psi	350 5100	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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**SIMEX**  
HEAVY MADE EASY

RANGE  
**RWE**

**WHEEL  
SAWS**

RWE 15 RWE 20 RWE 30 RWE 35 RWE 50

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

# WHEEL SAWS

RWE 15  
RWE 20  
RWE 30  
RWE 35  
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.

**RWE 50:** Disk with removable, interchangeable segments allows **quick variation of the trench width** while maintaining the same base wheel.

**RWE 15, RWE 35:** thanks to the **swinging support** pivoted on the same rotation axis of the drum, slides always remain on the ground. Possibility of **skid steer mounting**, thanks to the hydraulic side shift.

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

**SIMEX** **PERFORMER**  
• patent •



## ADVANTAGES

- Ideal fiber optics installation
- Clean trench
- High performance
- High cutting force
- Versatile: both for skid steer and excavator mounting (RWE 15, RWE 35)

TECHNICAL DATA		RWE 15	RWE 20	RWE 30	RWE 35	RWE 50
Recommended excavator weight (1)	ton lbs	1,5 - 3,5 3300 - 7700	2,5 - 5 5500 - 11000	5 - 10 11000 - 22000	5 - 10 11000 - 22000	12 - 18 24000 - 39800
Width	mm inch	25 - 30 - 40 - 50 1 - 1,2 - 1,6 - 2	25 - 30 - 40 - 50 1 - 1,2 - 1,6 - 2	25 - 30 - 50 - 80 1 - 1,2 - 2 - 3,2	25 - 30 - 40 - 50 - 80 1 - 1,2 - 1,6 - 2 - 3,2	50 - 80 - 100 - 120 2 - 3,2 - 4 - 4,7
Depth	mm inch	100 - 125 - 150 4 - 5 - 6	200 8	300 12	250 - 300 - 350 10 - 12 - 14	300 - 500 12 - 20
Depth adjustment		mechanical	-	-	mechanical	- mechanical self-leveling - hydraulic (optional)
Operating weight (2)	kg lbs	145 (3) - 160 (4) 320 (3) - 353 (4)	125 275	400 880	700 (3) - 790 (5) 1543 (3) - 1742 (5)	1390 3060
Required oil flow	l/min gpm	30 - 65 8 - 17	30 - 75 8 - 20	60 - 120 16 - 32	90 - 135 23 - 35	100 - 160 26 - 42
Max. required oil pressure	BAR psi	250 3625	250 3625	300 4350	250 3625	350 5076

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

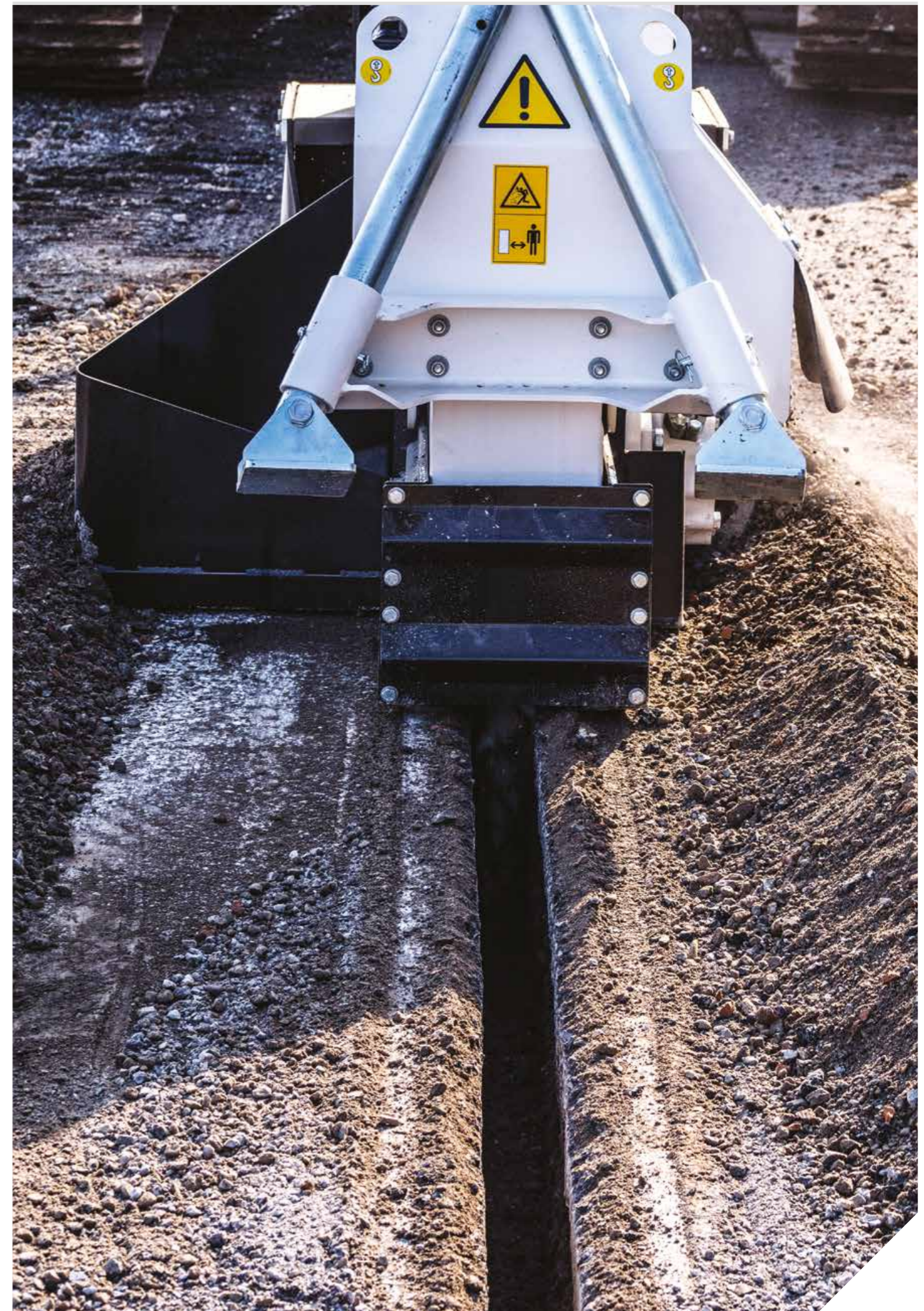
(2) Without mounting bracket attaching to prime mover.

(3) With a 25 mm wheel saw width.

(4) With a 50 mm wheel saw width.

(5) With a 80 mm wheel saw width.

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- Excavator
- Skid steer loader
- Front loader
- Backhoe



**SIMEX**  
HEAVY MADE EASY

RANGE  
**RWE**

**WHEEL  
SAWS**

**RWE 60**

**RWE 100**

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

# WHEEL SAWS



Designed for excavator boom mounting, RWE 60 and RWE 100 wheel saws **are ideal to make set-section cuts on hard and compact surfaces: concrete and rock.**

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

**SIMEX** **PERFORMER**  
•brevetto•



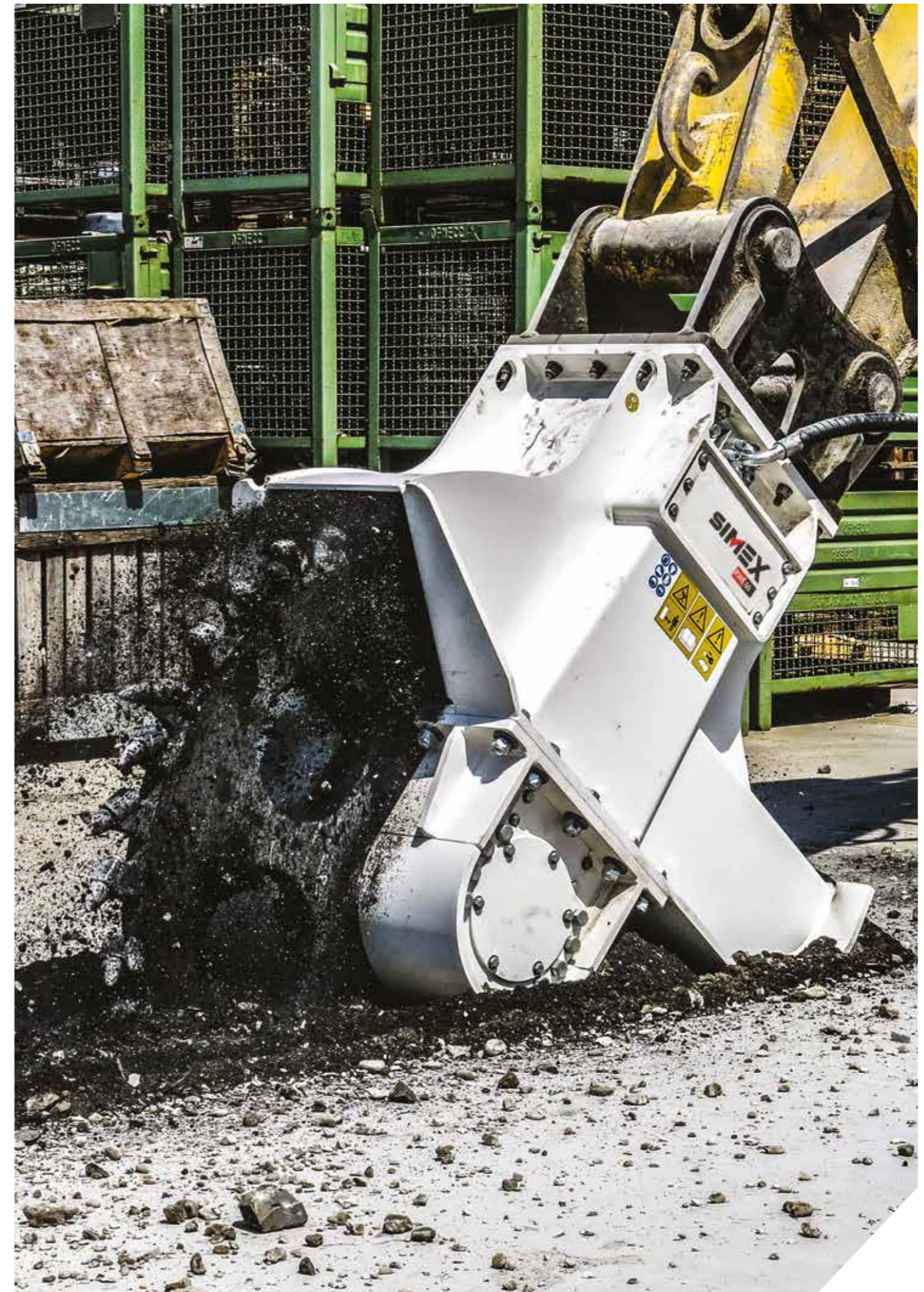
## ADVANTAGES

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

TECHNICAL DATA		RWE 60	RWE 100
Recommended excavator weight (1)	ton lbs	28 - 45 61000 - 99000	50 - 75 110000 - 165000
Width	mm inch	100 - 130 - 200 4 - 5 - 8	130 - 180 - 200 5 - 7 - 8
Depth	mm inch	600 24	800 - 900 - 1000 32 - 35 - 39
Max rated power	kW	100	200
Max cutting force	kN lbf	23 5170	55,7 <sup>(3)</sup> - 50,2 <sup>(3)</sup> - 44,8 <sup>(3)</sup> 12521 - 11285 - 9891
Operating weight (2)	kg lbs	2550 5600	4750 - 5200 10450 - 11450
Required oil flow	l/min gpm	200 - 350 53 - 93	400 - 450 106 - 120
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 attaching to prime mover.  
 (3) Tool force for 800-900-1000 mm wheels respectively at a pressure of 380 bar.

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RANGE

**CHD**

## CHAIN TRENCHERS

CHD 90S B

CHD 90 B

CHD 120 B

CHD 150 B

- Clean trench
- Maximum stability at any depth

# CHAIN TRENCHERS

CHD 90S B  
CHD 90 B  
CHD 120 B  
CHD 150 B



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.

The CHD 90SB version is ideal for soft soil.

## PERFORMER

### ADVANTAGES

- Clean trench
- Maximum stability at any depth



TECHNICAL DATA		CHD 90S B	CHD 90 B	CHD 120 B	CHD 150 B
Max. trench depth	mm inch	900 35	900 35	1200 47	1500 59
Trench width - standard	mm inch	150 6	150 6	150 6	150 6
Trench width - optional	mm inch	100 - 200 4 - 8	200 - 250 8 - 10	200 - 250 8 - 10	200 8
Scraper		mechanical spring	mechanical spring	mechanical spring	mechanical spring
Operating weight (1) (2)	kg lbs	260 570	525 1150	590 1300	640 1410
Required oil flow	l/min gpm	35 - 95 9 - 25	60 - 120 16 - 32	70 - 140 18 - 37	90 - 160 24 - 42
Max. oil pressure	BAR psi	240 3500	250 66	250 66	250 66
Recommended excavator size	ton lbs	2,5 - 4,5 5500 - 9900	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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Utilities

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Front loader

Backhoe





**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 COMPACTORS



Designed for **compacting trench bottoms**, Simex CT vibrating wheel compactors guarantee a permanently **solid, even and well compacted bottom** that ensures maximum road safety. **Perfect insulation** from prime mover. **Thanks to the reverse-rotation vibrating twin shaft** positioned at center of the wheel, vertical forces are added up and horizontal forces are countered for **increased operator comfort**. Wheel width can be adjusted via bolted sectors that are easily changed on site. Possibility to mount the rotation allows **compaction in any position**, even in the most difficult-to-reach areas.

## ADVANTAGES

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

### TECHNICAL DATA

### CT 2.8 B

Recommended excavator weight (1)	ton lbs	5 - 9 11000 - 20000
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.

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CT 2.8 B



Utilities



Quarries and mines



Demolition



Port and underwater works



Construction and building



Infrastructure



Tunneling



Agriculture and forestry



Recycling



Roadworks



Trenching



Mini-excavator



Excavator



Skid steer loader



Front loader



Backhoe



**SIMEX**  
HEAVY MADE EASY

RANGE

**PV**

## VIBRATING PLATE COMPACTORS

PV 300

PV 450

PV 600

PV 700

PV 850

- Precision
- Maintenance-free
- Versatile

# VIBRATING PLATE COMPACTORS

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 780 11 x 31	440 x 850 17 x 34	550 x 920 22 x 36	690 x 1160 27 x 45	840 x 1220 33 x 48
Vibration frequency	n/min vpm	2100	2100	2100	2100	2100
Compaction force	kN lbf	15 3400	27 6000	34 7650	75 16900	93 20900
Weight without bracket (1)	kg lbs	185 410	310 685	415 915	740 1630	1005 2210
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.  
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**simex.it**



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