SIMEX
HEAVY MADE EASY

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

RANGE
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DOUBLE-DRUM
CUTTER HEADS

TF 200
TF 400
TF 650
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

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.

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ADVANTAGE

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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*

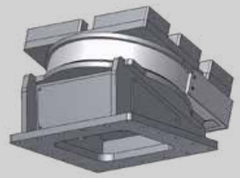
(1) User is responsible for ensuring that the equipment meets the excavator's specifications and weight requirements.
(2) Torque and cutting force decrease with lowered operating pressure.

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

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.

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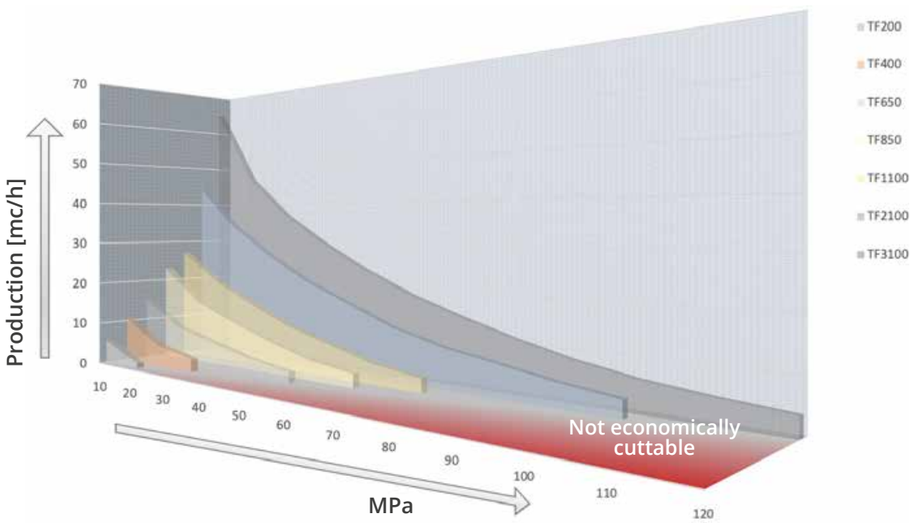
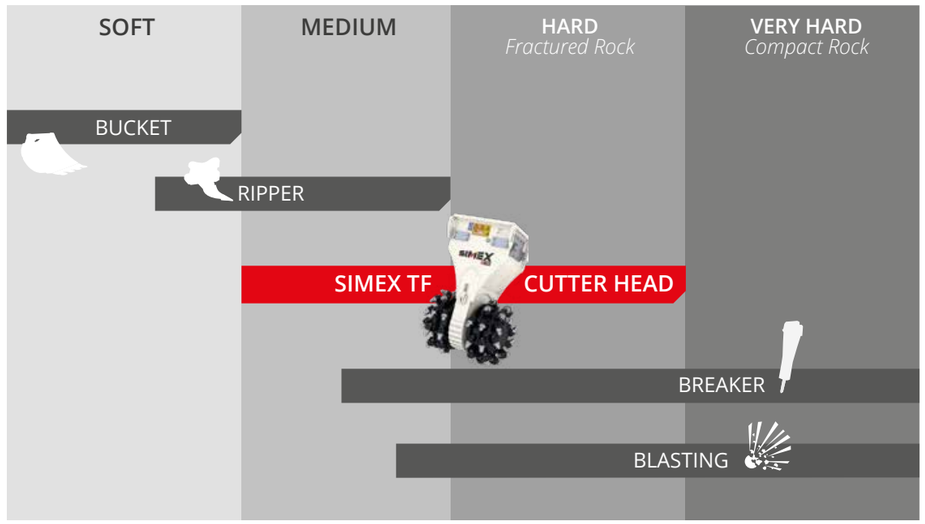
RATIO BETWEEN CUTTING EFFICIENCY AND COMPRESSIVE STRENGTH

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.

HP (Standard)

GP (Optional)

WP (Optional)

TEETH available:

Standard

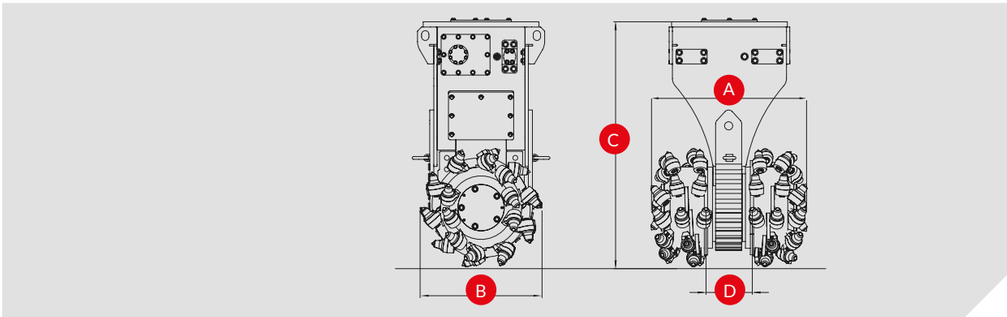
Mixed materials

Optional

Hard materials

Optional

For wood



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