



RANGE

TF

DOUBLE DRUM
**CUTTER
HEADS**

TF 200

TF 400

TF 600

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

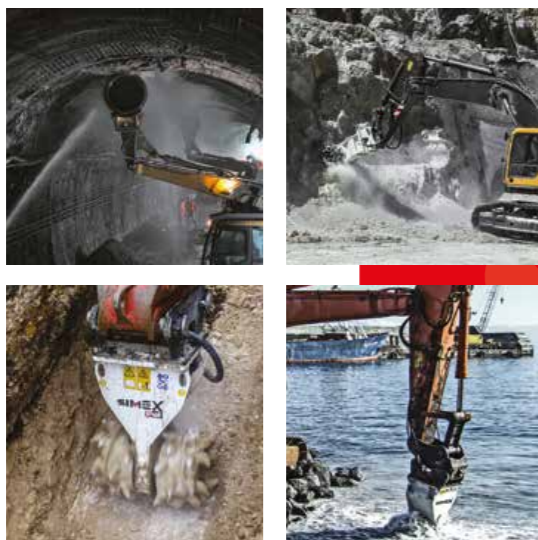
They are highly effective where conventional excavation systems are too weak and percussion systems have little effect. Their quiet operation allows them to be put to work near sensitive areas (residential zones, hospitals, schools, bridges and infrastructures).

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
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TECHNICAL DATA		TF 200	TF 400	TF 600	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	680 1500	1140 2500	1465 3200	2410 5300	3650 8000
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

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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

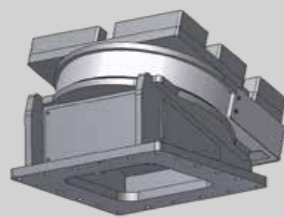


Backhoe

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.

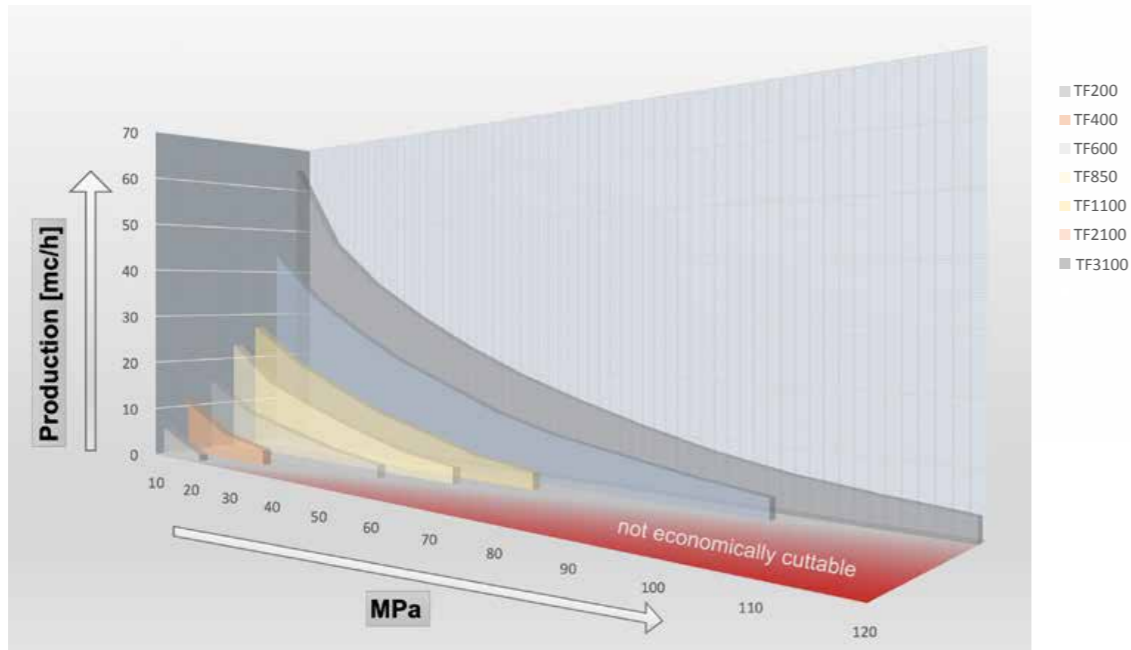
HIGH TORQUE AND HIGH PERFORMANCE

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

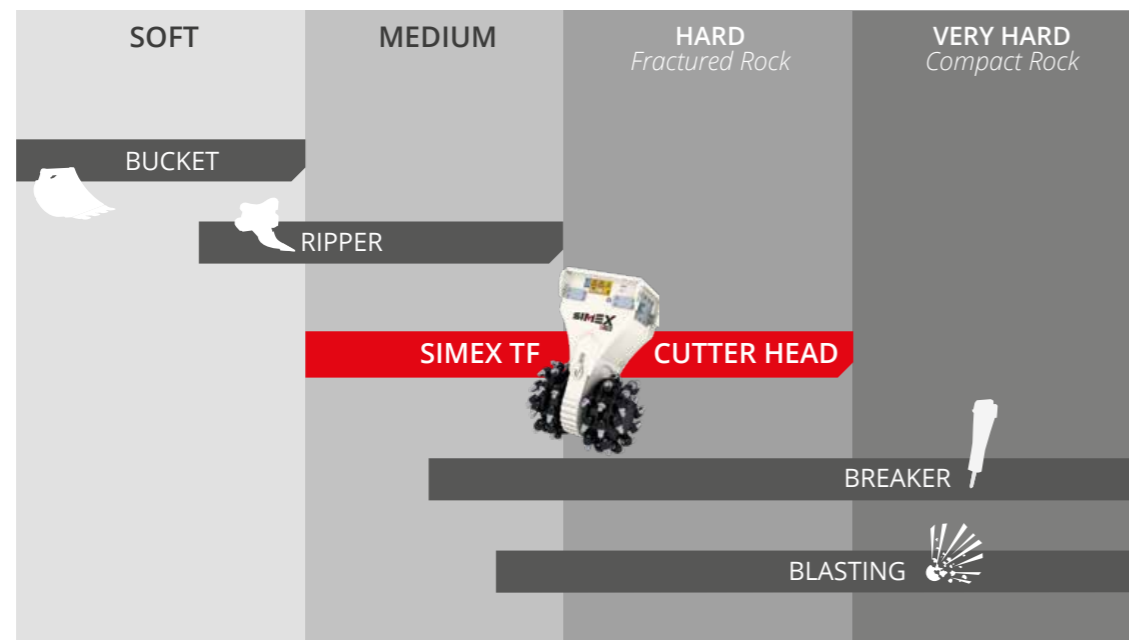
SIMEX
• patent •

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.



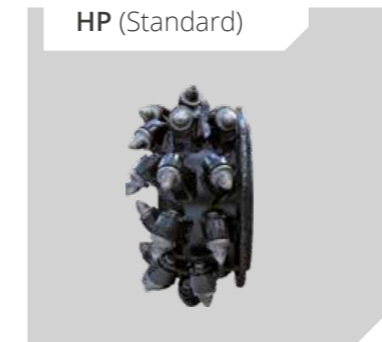
EFFICACY ON DIFFERENT TYPES OF TERRAIN



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:

Standard



Mixed materials

Optional

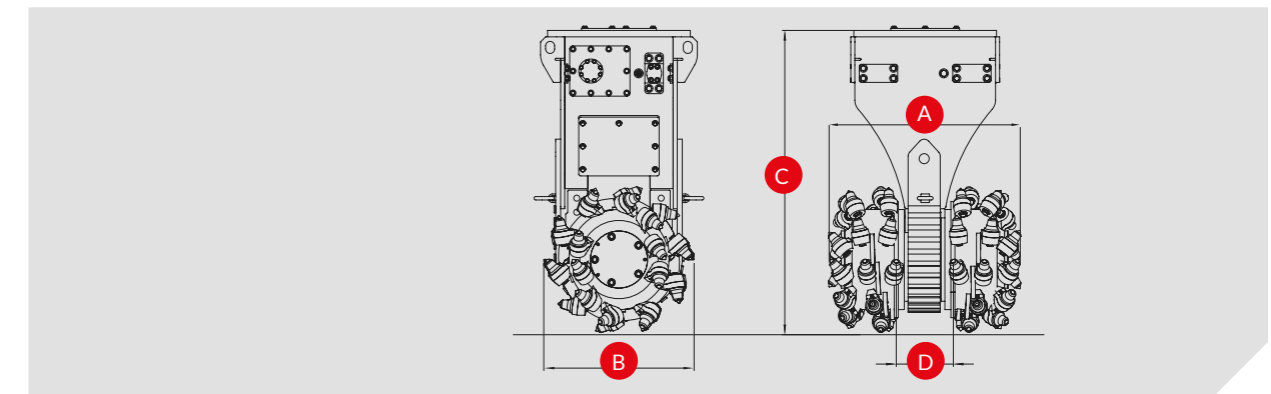


Hard materials

Optional



For wood



TECHNICAL DATA		TF 200	TF 400	TF 600	TF 850	TF 1100	TF 2100	TF 3100
Drum width (HP) standard A	mm inch	565 22	625 25	700 28	800 32	850 34	950 38	1250 50
Drum width (GP) optional A	mm inch	-	-	-	900 36	1000 40	1100 43	1350 53
Drum width (WP) optional A	mm inch	650 26	750 30	850 34	1000 40	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	1050 41	1250 49	1310 52	1575 62	1770 70
Drum distance D	mm inch	110 4	130 5	130 5	150 6	160 6,3	175 7	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