



ROCKWHEEL

ROCKWHEEL

Rock & Concrete Grinders



WORK MORE EFFECTIVELY®

We build rock & concrete grinders to impress!

OUR PHILOSOPHY

Rockwheel is based on key quality features.

- Technical advances
- Made in Germany
- Sales and service through a professional network of dealers

OUR GOAL AND VISION

We are working to establish Rockwheel worldwide. Hydraulic hammers and Rockwheels both have specific benefits.

Let's find the most effective solution for your application together.



WHO ARE WE

Klaus Volkert Managing Director

An experienced businessman who has worked in the construction machinery sector for over 26 years.

Chip Kogelmann President of Rockwheel Americas

With an extensive background in mining and construction equipment, Chip has 15 years of experience with hydraulic rock and concrete cutting machines.

Ian Webster Designer

Ian Webster invented cutting units some 25 years ago. He is now making his vision of technically advanced cutting a reality with Rockwheel.

Robert Piasecki Managing Director

With over 20 years experience in the construction machinery sector, his drive to help customers is at least as fast as one of our cutting heads.



Rockwheel D20



YOU CAN REACH YOUR GOAL MORE EFFECTIVELY

A Rockwheel cutting unit offers a great number of possible uses – cut a trench faster and more precisely, reduce reinforced concrete bunkers to powder. Perform contouring and profiling with ease in renovation work – and more quietly than with traditional methods.

A ROCKWHEEL SHOWS WHAT IT CAN DO:

Trench and pipeline construction



More metres in less time.

Prepare your trench precisely and immediately reuse the excavated material.

Demolition and concrete work



Speed and strength.

When you need both, you'll move forward faster with a Rockwheel.

Cutting performance in the mining sector



Direct re-use.

The excavated material can be directly reused without further treatment.

Contouring / Profiling / Building renovation



Precision and skill.

The more sensitive the area, the more beneficial is the cutting unit. You only remove what you really need to remove.

FURTHER APPLICATIONS

- Cutting out tree stumps
- Soil preparation
- Underwater cutting
- Tunnelling
- Road construction



WORK WITH A WEALTH OF BENEFITS

Choose the most effective tool on site: bucket, cutter or hammer. We'll advise you when and where the cutting tool is most effective.

THE BENEFITS

There are many good reasons for using a Rockwheel cutting unit:

- Produce an extremely accurate profile in excavation and tunnelling work or in surface preparation.
- Reuse the finely grained excavated material for backfilling.
- Fewer vibrations reduce fatigue when working.
- Reduce the risk of damage in and around the site.
- Use the cutting units in noise-sensitive zones, as they are relatively quiet to operate.

Extensive range of applications for Rockwheel cutting units

Strength of materials in megapascals (MPa) and pound per square inch (psi)

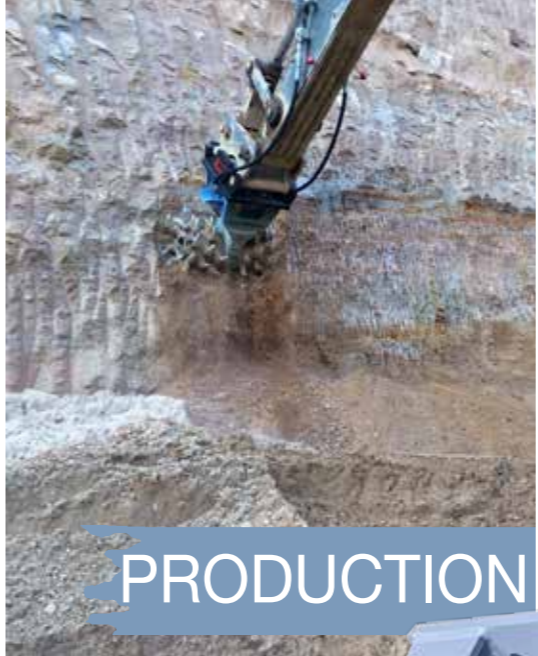




DEMOLITION



PROFILING



PRODUCTION



TRENCHING

MAKE THE RIGHT CHOICE!

We offer cutting units for machines with an operating weight of 1 to 125 tonnes.

THE LIGHTWEIGHT CHAMPION

C2

Rockwheel with chain drive

- Power: 13 hp (9.5 kw)
- Maintenance-free chain drive unit
- 66 kg - the lightest unit in the market
- Ideal for micro- and mini excavators from 1 to 3 t



THE BEST SOLUTION FOR COMPACT-EXCAVATORS

G5 / G5 TWIN

Rockwheel with gearbox drive

- Power: G5: 30 hp (22 kW)
G5 Twin: 60 (44 kW)
- Transmission with ratio for maximum torque
- Available with a second motor for double the power
- For excavators from 3 to 12 t



OPTIMUM VALUE FOR MONEY

D10 / D15 D20 / D30

Rockwheel with direct drive

- Power:
D10: 40 hp (29 kW)
D15: 55 hp (41 kW)
D20: 94 hp (70 kW)
D30: 147 hp (110 kW)
- Robust Technology with only three main components: housing, motor and cutting drums
- For excavators from 8 to 38 t



PURE POWER

G40 / G50 G60 / G125

Rockwheel with gearbox drive

- Power G40: 188 hp (140 kW) / G50: 188 hp (140 kW)
G60: 295 hp (220 kW) / G125: 536 hp (400 kW)
- Twin motor technology power and optimum weight distribution
- Solid and heavy-duty design for a long life
- For excavators from 40 to 125 tonnes

ADVANTAGES

PROTECTED MOTOR

Valve technology protects the hydraulic motor

ONLY TWO HYDRAULIC LINES

No drain line required - works on hammer circuit

TRANSMISSION RATIO

Gearbox units for maximum torque

OPTIMIZED PICK LACING

Better and smooth cutting

HEAVY-DUTY DESIGN

For the toughest job sites

MOST EXPERIENCE ON THE MARKET

Invented and engineered by Webster-Technologies

TAKE ADVANTAGE OF OUR EXPERT KNOWLEDGE®

Rockwheel offers special cutting units for special tasks.



CUTTER BUCKET

Cutter buckets cut, break up, mix, lift and backfill without a tool change. The excavated material produced is finely grained and can be directly reused.

>>> CB20, CB30



MIXING CUTTER BUCKETS

Cutting unit, deep bucket and mixer combined in a single unit. The economical solution for soil preparation and soil conditioning – for any consistency of material, from mud to rock. Binders, like lime, aggregates or liquids, can be fed into the mixing chamber through a feed system on the cutter bucket.

>>> CBS20, CBS30



PATCH PLANERS

Use patch planers when you need precise contours or need to remove surfaces efficiently. Patch planers are ideal for horizontal, vertical, angled and overhead work. The attachments can ideally be fitted to excavators and backhoe loaders.

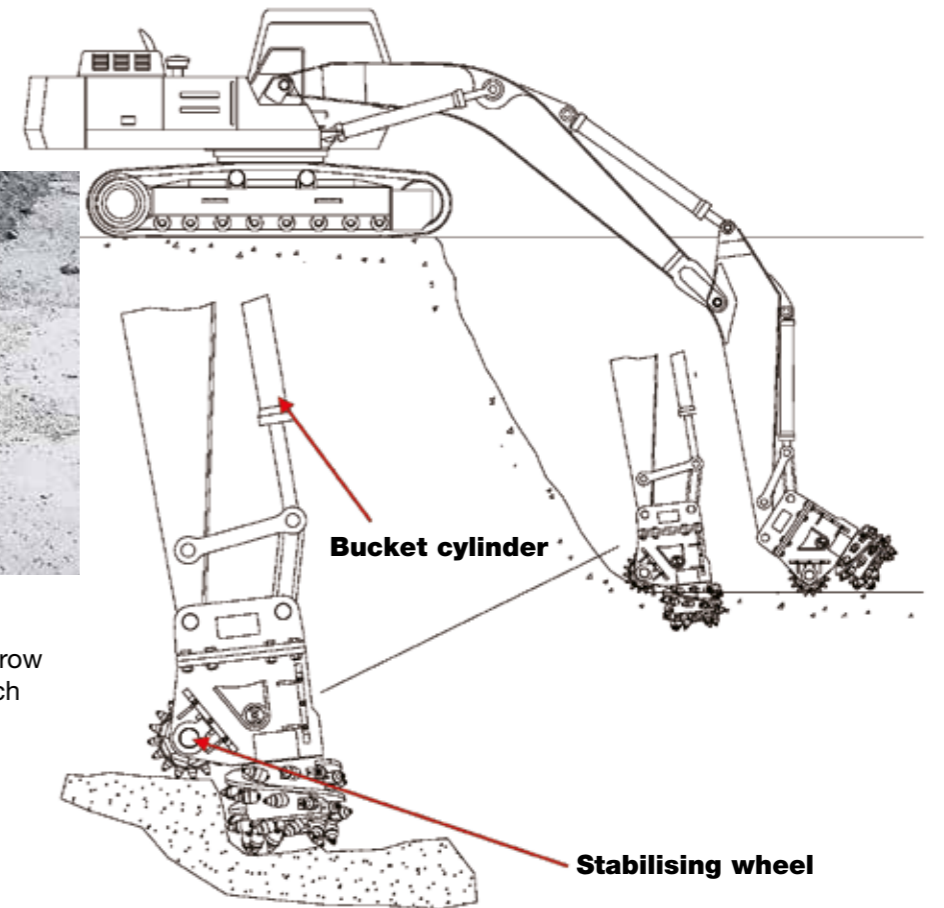
>>> Roadrunner 200
Roadrunner 300
Roadrunner 450



AXIAL CUTTER

The specific tool for use in narrow trenches. Precise work in trench and pipeline construction.

>>> TC20, TC30, AX20, AX30



SOIL MIXING CUTTER

To produce an even soil mix. This process can be used in different kinds of soil, even more solid types of soil.





ORDER YOUR PERSONAL CUTTER

Rockwheel cutters can be adapted to your specific application, ensuring that you always get the very best cutting performance.

PICKS - crush many different materials.

Adapting the pick to your application guarantees optimum cutting performance and minimal wear. Every pick is made of high-grade alloyed steel with soldered solid metal tips for the ultimate in quality.

- **Standard pick**
for soft to medium-hard rock, e.g. asphalt, salt, slag
- **Heavy-duty pick**
for medium-hard to very hard rock, e.g. limestone, concrete
- **Wear-resistant pick**
for very abrasive rock, e.g. sandstone, blast-furnace crushed rock
- **Wood pick**
for extracting tree stumps

CUTTING HEADS - Heads for every job.

- **Excavating drum**
for rock and other natural materials
- **Profiling drum**
for fine cuts and accurate surfaces
- **Demolition drum**
for demolition work with reinforced concrete

ADAPTER PLATES - always just right.

We offer the right adapter plate for every excavator and every quick-change system.



ROTATOR UNIT - extends your radius of operation.

Achieve a 360 degree radius of operation using a Rockwheel cutting unit with a pivoting/rotator unit. The cutter's rotating action provides for contour-precise cutting and you can work ultra-precisely even in angles and corners.

DUST SOLUTIONS - done and dusted!

We offer a range of solutions:

- **Spray nozzle**
to counteract dust
- **De-dusting system**
for use in buildings



SUPERIOR ENGINEERING THE FACTS AND FIGURES



Even hard facts and figures can be impressive.

ROCKWHEEL CUTTING UNITS

Type		C2	G5	G5 twin	D10	D15	D20	D30	G40	G50	G60	G125
Excavator weight	t	0,7 - 2,5	2,5 - 6	5 - 10	8 - 12	13 - 20	17 - 28	25 - 42	30 - 50	40 - 61	50 - 75	65 - 125
Hydraulic Input power	hp (kW)	13 (9.5)	30 (22)	60 (44)	40 (30)	55 (41)	94 (70)	147 (110)	188 (140)	188 (140)	295 (220)	536 (400)
W (w/o bracket)	lbs (kg)	145 (66)	400 (181)	440 (200)	950 (426)	1,315 (595)	2,535 (1,170)	3,183 (1,444)	4,250 (1,932)	5,419 (2458)	5,463 (2478)	11,950 (5420)
Maximum pressure*	psi (bar)	3,263 (225)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)	5,800 (400)
Hydraulic Flow Range	US gpm	7.8 - 15	15 - 25	20 - 45	16 - 31	25 - 35	40 - 55	55 - 110	85 - 110	85 - 110	120 - 165	211 - 264
	l/min	30 - 60	56 - 95	76 - 170	60 - 121	94 - 133	150 - 208	208 - 412	320 - 415	320 - 414	455 - 625	800 - 1.000
Reduction ratio		1:1	2:1	2:1	1:1	1:1	1:1	1:1	1.2 : 1	1.2 : 1	1.2 : 1	1.2 : 1
Drum speed	rpm	80 - 155	70 - 120	50 - 107	80 - 155	75 - 105	50 - 75	50 - 80	45 - 75	45 - 75	45 - 65	30 - 40
Max. Torque	ft./lb (kNm)	420 (5.7)	3738 (5.1)	7476 (10.1)	3522 (4.8)	5861 (7.9)	13,206 (17.9)	19,715 (26.7)	29,502 (40)	31,695 (43)	47,316 (64.2)	100,852 (137)
Max. Cutting Force	lbs (kN)	949 (4.2)	6703 (29.8)	13,405 (59.6)	5076 (22.6)	7522 (33.4)	12,462 (55.4)	17,752 (79.0)	23,604 (105)	24,771 (110)	36,980 (164.5)	45,636 (203)
Drum diameter	in. (mm)	10 (270)	13 (340)	13 (340)	16 (423)	18 (475)	24 (646)	27 (677)	27 (684)	29 (726)	29 (726)	36 (925)
Drum width	in. (mm)	12 (300)	16 (405)	16 (405)	29 (743)	33 (832)	42 (1058)	46 (1156)	33 (835)	41 (1050)	41 (1050)	59 (1.494)
Cutter length	in. (mm)	20 (509)	24 (618)	24 (618)	31 (798)	37 (937)	45 (1.155)	46 (1.170)	37 (943)	53 (1356)	53 (1.350)	66 (1.686)

* max oil flow and max. pressure should not be achieved simultaneously.
Your sales person can recommend hydraulic settings.



ROCKWHEEL AXIAL CUTTERS

Type		TC20	TC30	AX20	AX30
Operating weight	lb (kg)	2,092 (962)	3,183 (1,173)	1,955 (885)	2,137 (968)
Number of picks	No.	32	30	32	30
Size of pick holder	in. (mm)	1 (25.4)	1.4 / 1.1 (38/30)	1 (25.4)	1.4/1.1 (38/30)
Drum diameter	in. (mm)	26 (650)	27 (680)	25 (646)	27 (678)
Cutter length	in. (mm)	39 (1,000)	41 (1,030)	53 (1,340)	54 (1,382)

ROCKWHEEL CUTTER BUCKET

Type		CB20	CB30
Operating weight	lb (kg)	4,052 (1,838)	4,338 (1,968)
Number of picks	No.	64	60
Drum diameter	in. (mm)	26 (650)	27 (680)
Cutter length	in. (mm)	39 (1,000)	41 (1,030)

ROCKWHEEL PATCH PLANERS

Type		Roadrunner 200	Roadrunner 300	Roadrunner 400
Excavator size	t	1 - 3,5	5 - 8	8 - 14
Hydraulic power	hp (kW)	24 (18)	41 (30)	54 (40)
Operating weight	lb (kg)	309 (140)	992 (450)	1,323 (600)
Working pressure	psi (bar)	5,801 (400)	2,610 - 3,045 (180 - 210)	2,610 - 3,045 (180 - 210)
Optimum oil flow	US gpm (l/min)	7.9 - 10.6 (30 - 40)	15.9 - 21.1 (60 - 80)	26.4 - 33.0 (100 - 125)
Cutting distance from kerb	in. (mm)	2 (50)	2 (50)	2 (50)
Cutting line spacing	in. (mm)	0.31 (8)	0.39 (10)	0.39 (10)
Drum speed	rpm	75 - 101	150 - 200	130 - 170
Number of picks	No.	36	43	58
Cutting depth	in. (mm)	0.3 - 0.79 (10 - 20)	0 - 4.72 (0 - 120)	0 - 4.72 (0 - 120)
Drum width	in. (mm)	7 (170)	12 (300)	16 (400)



A RELIABLE PARTNER EVERY TIME

SERVICE

We offer a comprehensive service for your cutting unit together with our Rockwheel partners. From maintenance to repair and fast delivery of spare parts – you'll get the full package from us.

RENTAL EQUIPMENT

Our entire product range is also available for rent. Worldwide. All our rental equipment is kept in top condition.

FINANCING SERVICE

Together we'll find the right financing solution to meet your needs, either with our financing partners or with your own bank. Whether leasing or lease-to-purchase, take advantage of the solution right for you.



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