

A close-up photograph of a Rockwheel cutting unit, a piece of heavy machinery used in mining or construction. The unit is primarily light blue with a red logo and the brand name 'ROCKWHEEL' printed on it. The cutting mechanism consists of several large, dark, circular wheels or discs, each equipped with numerous sharp, metallic cutting teeth. The background is dark, making the metallic components stand out.

ROCKWHEEL



**CUTTING
UNITS**



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.

Cutting performance in the mining sector



Direct re-use.

The excavated material can be directly reused without further treatment.

Demolition and concrete work



Speed and strength.

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

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)





PRODUCTION



PROFILING



TRENCHING



DEMOLITION

MAKE THE RIGHT CHOICE!

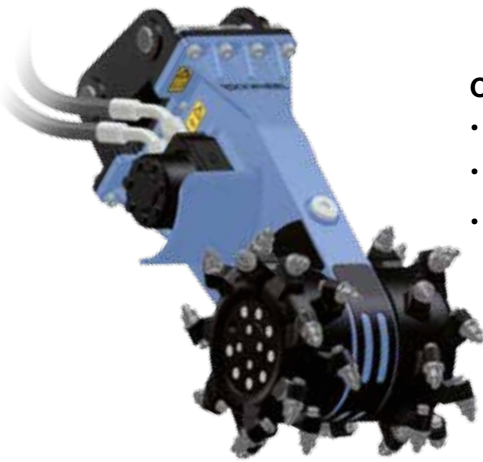
We offer cutting units for machines with an operating weight of 1 to 125 tonnes. The number that comes after the model C (Chain), D (Direct) and G (Gearbox) refers to the average operating weight of the excavator.

THE LIGHTWEIGHT CHAMPION

C2

Cutting unit with chain drive

- Power: 9.5 kw
- Maintenance-free chain drive unit
- Ideal for micro- and mini excavators from 1 to 3 t

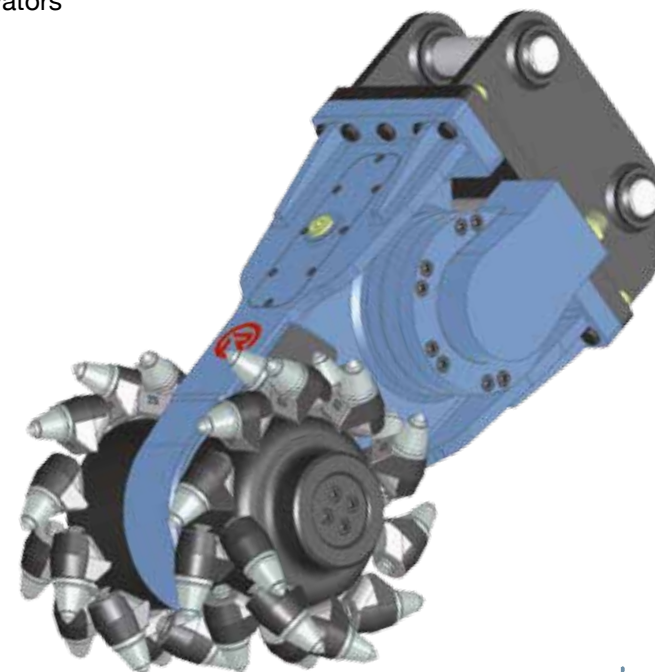


THE BEST SOLUTION FOR COMPACT-EXCAVATORS

G5 / G5 Twin

Cutting unit with gearbox drive

- Power: G5: 22 kW
G5 Twin: 44 kW
- Transmission with ratio for maximum torque
- Optionally available with a second motor for double the power
- For excavators from 3 to 12 t



OPTIMUM VALUE FOR MONEY

D10 / D15 / D20 / D30

Cutting unit with direct drive

- Power:
D10: 29 kW D15: 41 kW
D20: 70 kW D30: 110 kW
- Robust Technology with only three main components: housing, motor and cutting drums
- Optimum value for money
- For excavators from 8 to 40 t



PURE POWER

G45 / G55 / G125

Cutting unit with gearbox drive

- Power G45: 140 kW / G55: 220 kW / G125: 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

WHY ROCKWHEEL?

MOST EXPERIENCE ON THE MARKET
Engineered by pioneer Ian Webster

MADE IN GERMANY
All components are produced in Germany

THE MOST HEAVY-DUTY DESIGN ON THE MARKET
Practically indestructible

UNIQUE UNRIVALLED PRODUCT RANGE
For each excavator size the right technology



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.

>>> CB10, CB15, 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.

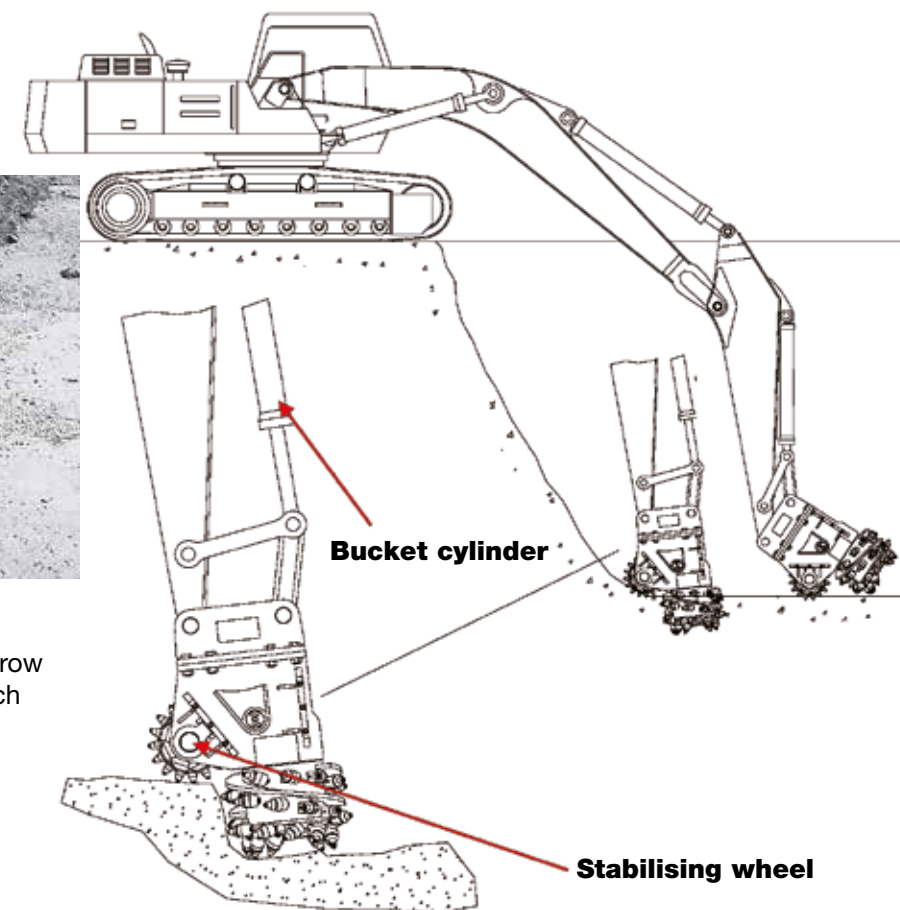
>>> Roadrunner 300, Roadrunner 450, Roadrunner 600



AXIAL CUTTER

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

>>> TC20, TC30



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

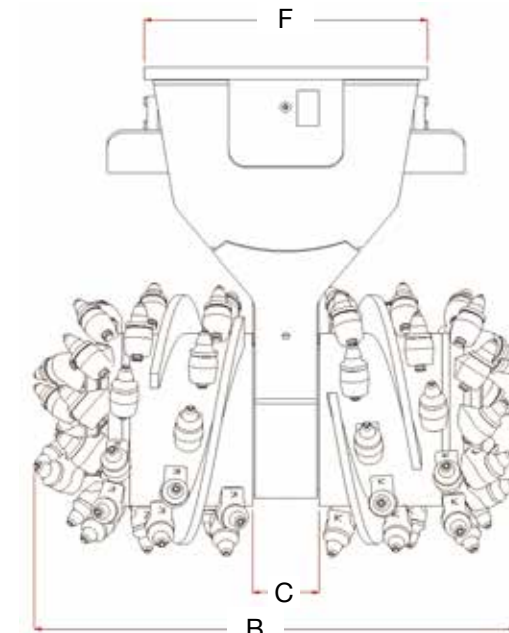


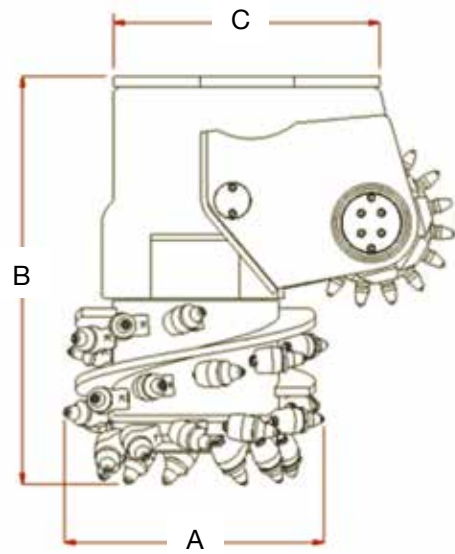
SUPERIOR ENGINEERING THE FACTS AND FIGURES [®]

Even hard facts and figures can be impressive.
See for yourself....

ROCKWHEEL CUTTING UNITS

Type		C2	G5	G5 twin	D10	D15	D20	D30	G45	G55	G125
Excavator size	t	0.7 - 2.5	2 - 6	5 - 10	7 - 15	12 - 18	15 - 25	26 - 38	45 - 55	45 - 65	65 - 125
Hydraulic power	kW	9.5	22	44	29	41	70	110	140	220	400
Operating weight	kg	66	181	200	426	595	1170	1444	2458	2478	5420
Maximum pressure	bar	225	400	400	400	400	400	400	400	400	400
Working pressure	bar	50 - 225	180 - 400	180 - 400	180 - 400	180 - 400	180 - 400	180 - 400	180 - 400	180 - 400	180 - 400
Max. oil flow	l/min	60	65	100	112.5	132	320	460	540	680	1000
Optimum oil flow	l/min	30	40	80	60	120	220	320	360	540	800
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
Drum speed	rpm	100 - 125	50 - 81	95 - 118	80 - 150	95 - 104	78 - 113	76 - 109	50 - 75	54 - 67	40 : 50
Pick speed	m/s	1.8	0.9	1,7	1.8	2.4	2.2	2.7	2.0	2,0	1,9
Cutter torque	kNm	0.6	4.2	4,3	4.2	6.9	15.6	23.3	37.7	47.0	111,7
Pick force	kN	4.2	22.0	24,9	19.7	29.2	48.4	68.9	103.9	129.5	241,4
Number of picks	No.	32	32	32	56	64	64	60	54	54	76
Size of pick holder	mm	14	19	19	19	19	25.4	38 / 30	38 / 30	38 / 30	38 / 30
Drum diameter	A mm	270	340	340	423	475	646	677	726	726	925
Drum width	B mm	300	405	405	743	832	1058	1156	1050	1050	1494
Drum spacing	C mm	60	82	82	103	118	143	143	250	250	339
Cutter length	D mm	509	618	618	798	937	1155	1170	1356	1350	1686
Dimensions of adapter plate	E x F mm	256 x 160	318 x 220	318 x 220	560 x 410	650 x 495	700 x 650	700 x 650	800 x 650	800 x 650	1035 x 1065



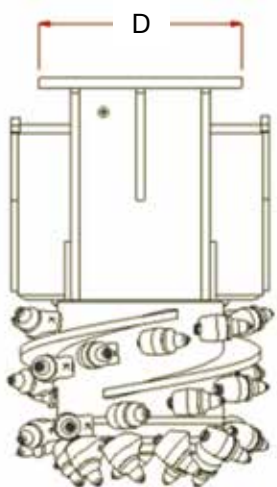


ROCKWHEEL AXIAL CUTTERS

Type		TC20	TC30
Excavator size	t	15 - 25	22 - 38
Hydraulic power	kW	70	110
Operating weight	kg	980	1173
Maximum pressure	bar	400	400
Working pressure	bar	180 - 400	180 - 400
Max. oil flow	l/min	320	460
Optimum oil flow	l/min	220	320
Ratio		1:1	1:1
Drum speed	rpm	53 - 114	43 - 95
Pick speed	m/s	1.5 - 3.2	1.5 - 3.4
Cutter torque	kNm	15.6	23.3
Pick force	kN	48.4	68.9
Number of picks	No.	32	30
Size of pick holder	mm	25.4	30
Drum diameter	A mm	650	680
Cutter length	B mm	1000	1030
Dimensions of adapter plate	C x D mm	650 x 495	650 x 495

ROCKWHEEL PATCH PLANERS

Type		Roadrunner 300	Roadrunner 400
Excavator size	t	5 - 8	8 - 14
Hydraulic power	kW	30	40
Operating weight	kg	450	600
Working pressure	bar	180 - 210	180 - 210
Optimum oil flow	l/min	60 - 80	100 - 125
Cutting distance from kerb	mm	50	50
Cutting line spacing	mm	10	10
Drum speed	rpm	150 - 200	130 - 170
Number of picks	No.	43	58
Cutting depth	mm	0 - 120	0 - 145
Drum width	mm	300	400





TECHNICAL DESCRIPTION ROCKWHEEL C2

Specification Rockwheel C2

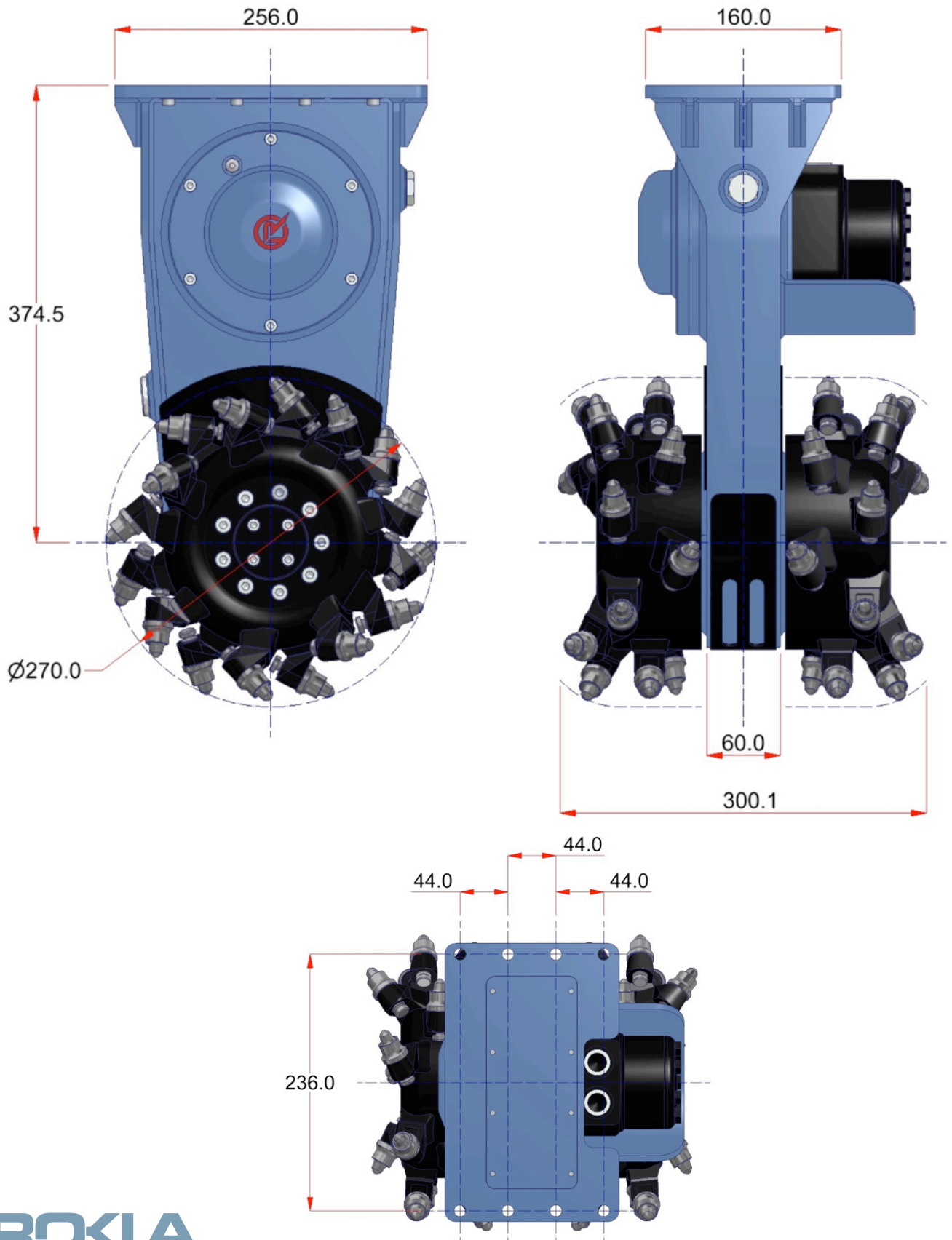
Maximum Input Power	- 9.5 kW	- 12.7 hp
Maximum Flow	- 60.0 lpm	- 13.2 UK gpm
Recommended Flow	- 30.0 lpm	- 6.6 UK gpm
Maximum Pressure	- 225 bar	- 3,263 psi
Output Shaft Torque	- 570 Nm @ 175 bar	- 420.4 lbf ft @ 2,538 psi
Pick Force	- 4.22 kN @ 175 bar	- 949 lbf @ 2,538 psi
Output Shaft Speed	- 125.0 rpm @ 30 lpm	- 125.0 rpm @ 6.6 UK gpm
Pick Speed	- 1.8 m/s @ 30 lpm	- 354 ft/min @ 6.6 UK gpm
Unit Weight	- 66.0 kg	- 145 lb
Excavator Range	- 1 – 3 tonne	- 1 – 3 tonne
No of Picks (Rock Drums)	- 32 (14.0 mm Shank)	- 32 (0.55" Shank)

If oil specification is below 46 centistokes at 40°C (ISO HV46) the performance must be downrated.



ROKLA

ROKLA GmbH - Hauptstr. 197 - 74595 Langenburg
 T +49 (0) 7905 9419 -602 F +49 (0) 7905 9419 -609
 E info@rockwheel.com W www.rockwheel.com



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TECHNICAL DESCRIPTION ROCKWHEEL G5

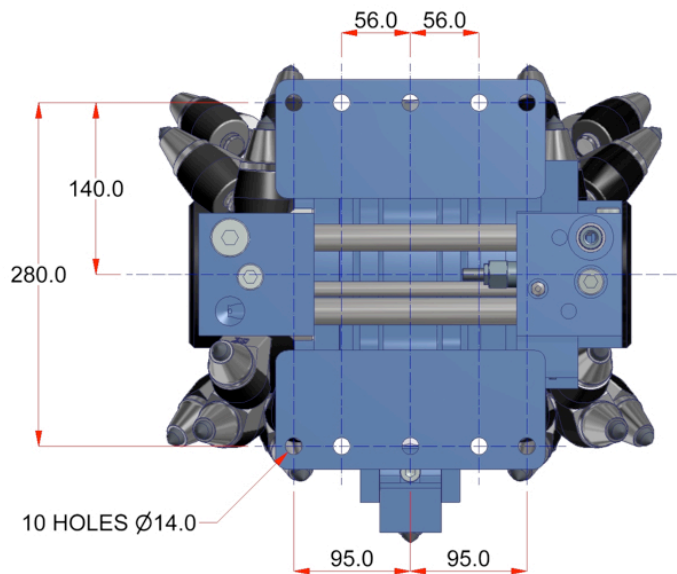
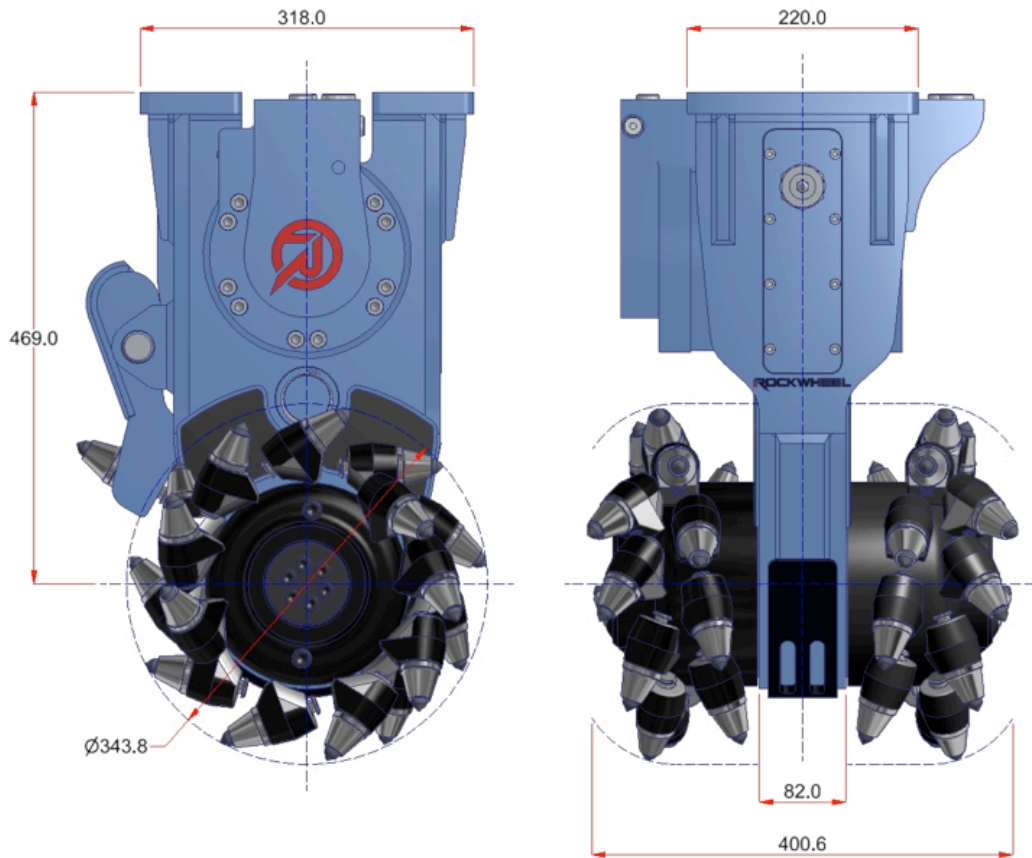
Specification Rockwheel G5

Maximum Input Power	- 22 kW	- 29.5 hp
Maximum Flow	- 65.0 lpm	- 14.3 UK gpm
Recommended Flow	- 40.0 lpm	- 8.8 UK gpm
Maximum Pressure	- 400 bar	- 5,801 psi
Output Shaft Torque	- 3,750 Nm @ 320 bar	- 2,750 lbf ft @ 4,641 psi
Pick Force	- 21.8 kN @ 320 bar	- 4,900 lbf @ 4,641 psi
Output Shaft Speed	- 50.0 rpm @ 40 lpm	- 50.0 rpm @ 8.8 UK gpm
Pick Speed	- 0.9 m/s @ 40 lpm	- 2.95 ft/s @ 8.8 UK gpm
Unit Weight	- 181.0 kg	- 398.2 lb
Excavator Range	- 3.0 – 8.0 tonne	- 3.0 – 8.0 tonne
No of Picks (Rock Drums)	- 32 (20.0 mm Shank)	- 32 (0.76" Shank)

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 T +49 (0) 7905 9419 -602 F +49 (0) 7905 9419 -609
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TECHNICAL DESCRIPTION ROCKWHEEL G5 TWIN

Specification Rockwheel G5 Twin

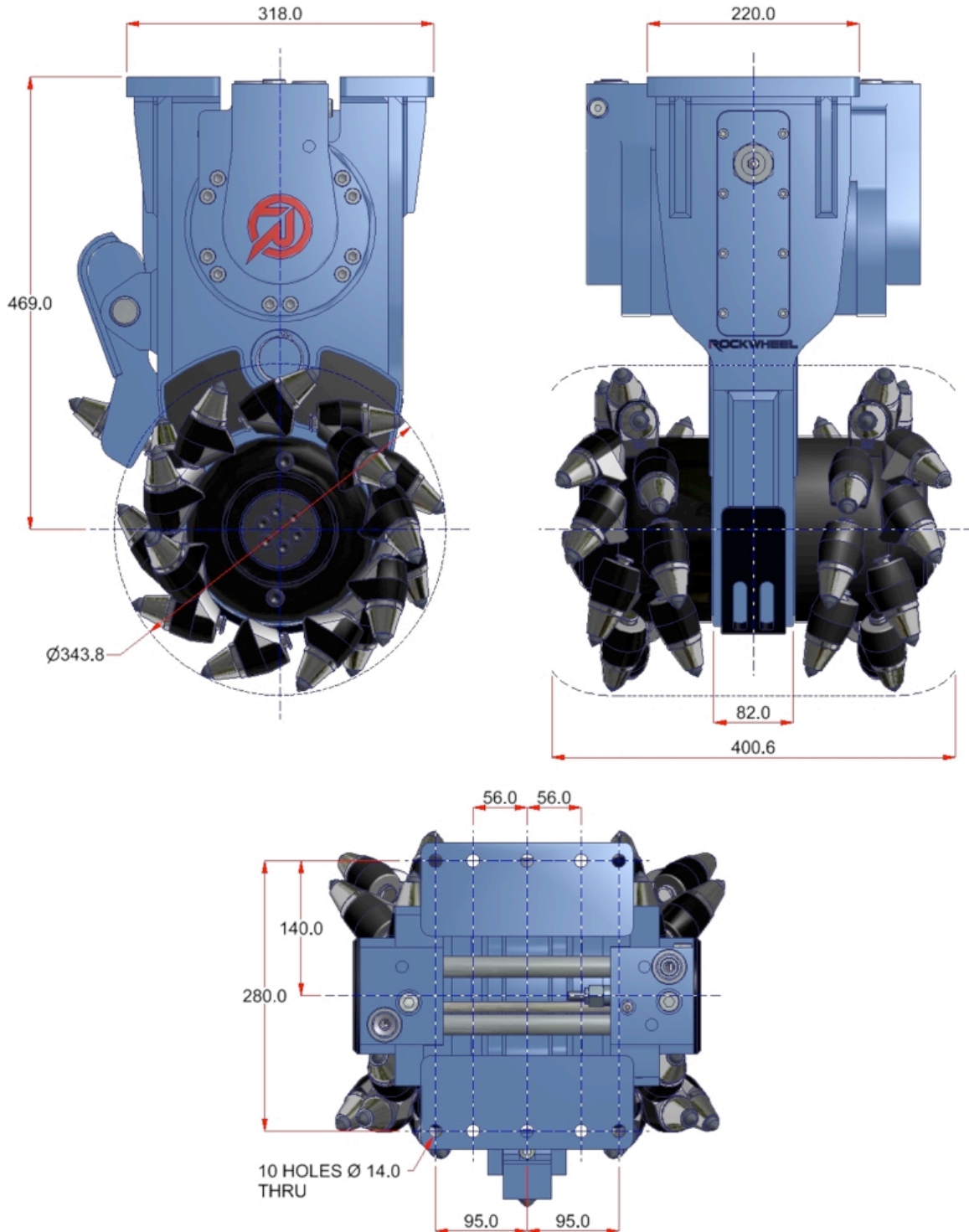
Maximum Input Power	- 44 kW	- 59.0 hp
Maximum Flow	- 100.0 lpm	- 22.0 UK gpm
Recommended Flow	- 80.0 lpm	- 17.6 UK gpm
Maximum Pressure	- 400 bar	- 5,801 psi
Output Shaft Torque	- 4,288 Nm @ 320 bar	- 3,163 lbf ft @ 4,641 psi
Pick Force	- 24.9 kN @ 320 bar	- 5,598 lbf @ 4,641 psi
Output Shaft Speed	- 95.0 rpm @ 80 lpm	- 95.0 rpm @ 17.6 UK gpm
Pick Speed	- 1.7 m/s @ 80 lpm	- 5.58 ft/s @ 17.6 UK gpm
Unit Weight	- 192.5 kg	- 423.5 lb
Excavator Range	- 6.0 – 12.0 tonne	- 6.0 – 12.0 tonne
No of Picks (Rock Drums)	- 32 (20.0 mm Shank)	- 32 (0.76" Shank)

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ROKLA GmbH - Hauptstr. 197 - 74595 Langenburg
T +49 (0) 7905 9419 -602 F +49 (0) 7905 9419 -609
E info@rockwheel.com W www.rockwheel.com



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ROKLA GmbH - Hauptstr. 197 - 74595 Langenburg
 T +49 (0) 7905 9419 -602 F +49 (0) 7905 9419 -609
 E info@rockwheel.com W www.rockwheel.com



TECHNICAL DESCRIPTION ROCKWHEEL D10

The Rockwheel D10 Hydraulic Cutting Unit can be supplied with either scaling/grinding cutting drums or rock cutting drums.

Specification Rockwheel D10

Maximum Input Power	- 29 kW	- 38.9 hp
Maximum Flow	- 112.5 lpm	- 24.8 UK gpm
Recommended Flow	- 60.0 lpm	- 13.2 UK gpm
Maximum Pressure	- 400 bar	- 5,801 psi
Output Shaft Torque	- 3,570 Nm @ 300 bar	- 2,633 lbf ft @ 4,351 psi
Pick Force	- 17.0 kN @ 300 bar	- 3,822 lbf @ 4,351 psi
Output Shaft Speed	- 80.0 rpm @ 60 lpm	- 80.0 rpm @ 13.2 UK gpm
Pick Speed	- 1.8 m/s @ 60 lpm	- 418.5 ft/min @ 13.2 UK gpm
Unit Weight	- 426 kg	- 939 lb
Excavator Range	- 8.0 – 12.0 tonne	- 8.0 – 12.0 tonne
No of Picks (Rock Drums)	- 56 (19.0 mm Shank)	- 56 (0.76" Shank)

If oil specification is below 46 centistokes at 40°C (ISO HV46) the performance must be downrated.



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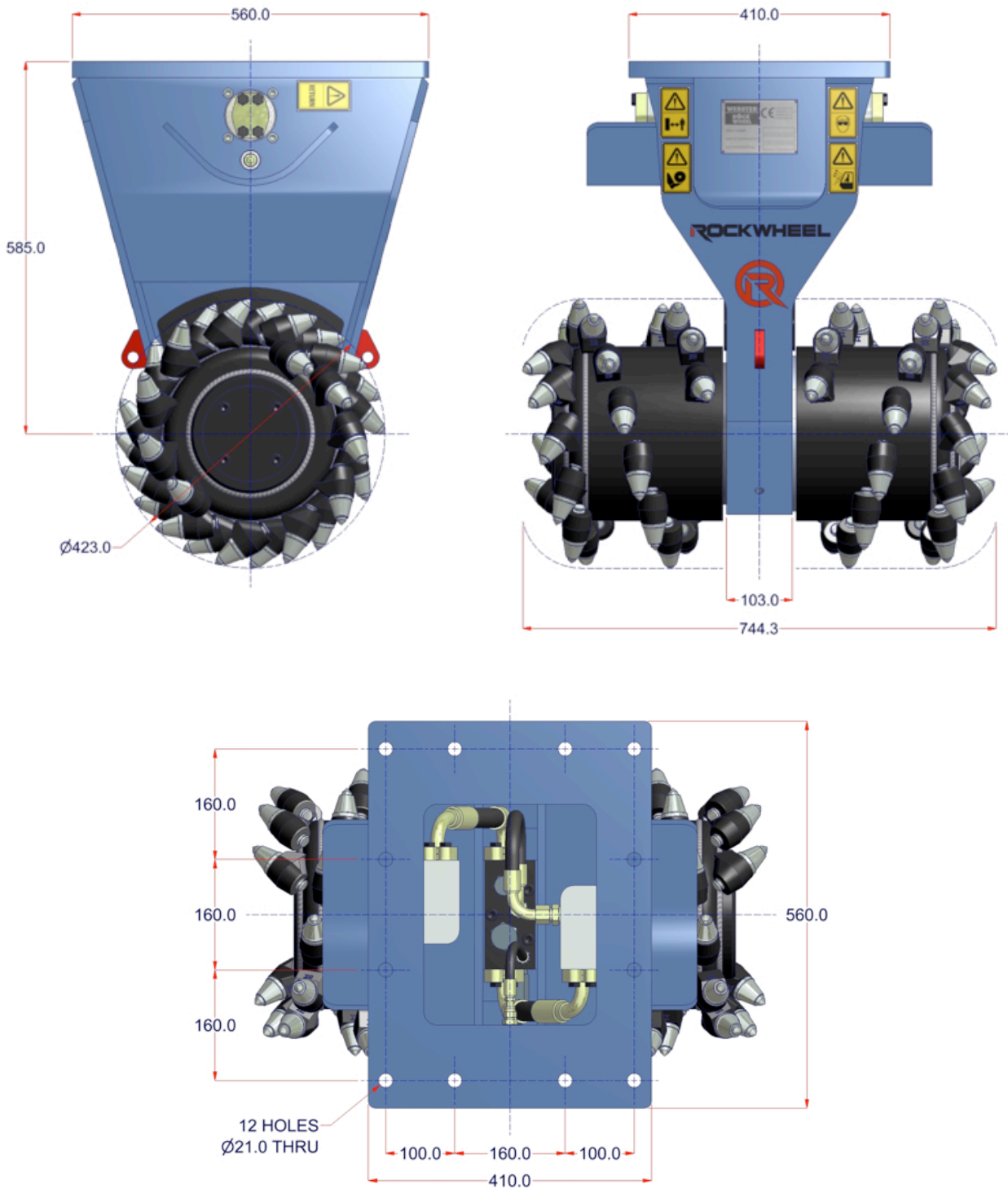
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ROCKWHEEL

To simplify installation the Rockwheel D-10 mounting flange is designed to suit existing hydraulic breakers.



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TECHNICAL DESCRIPTION ROCKWHEEL D15

The Rockwheel D15 Hydraulic Cutting Unit can be supplied with either scaling/grinding cutting drums or rock cutting drums.

Specification Rockwheel D15

Maximum Input Power	- 41 kW	- 54.9 hp
Maximum Flow	- 132.0 lpm	- 29.0 UK gpm
Recommended Flow	- 120.0 lpm	- 26.4 UK gpm
Maximum Pressure	- 400 bar	- 5,801 psi
Output Shaft Torque	- 6,320 Nm @ 320 bar	- 4,662 lbf ft @ 4,640 psi
Pick Force	- 26.6 kN @ 320 bar	- 5,980 lbf @ 4,640 psi
Output Shaft Speed	- 95.0 rpm @ 120 lpm	- 95.0 rpm @ 26.4 UK gpm
Pick Speed	- 2.4 m/s @ 120 lpm	- 557 ft/min @ 26.4 UK gpm
Unit Weight	- 595 kg	- 1312 lb
Excavator Range	- 12.0 – 18.0 tonne	- 12.0 – 18.0 tonne
No of Picks (Rock Drums)	- 64 (19.0 mm Shank)	- 64 (0.76" Shank)

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TECHNICAL DESCRIPTION ROCKWHEEL D20

The Rockwheel D20 Hydraulic Cutting Unit can be supplied with either scaling/grinding cutting drums or rock cutting drums.

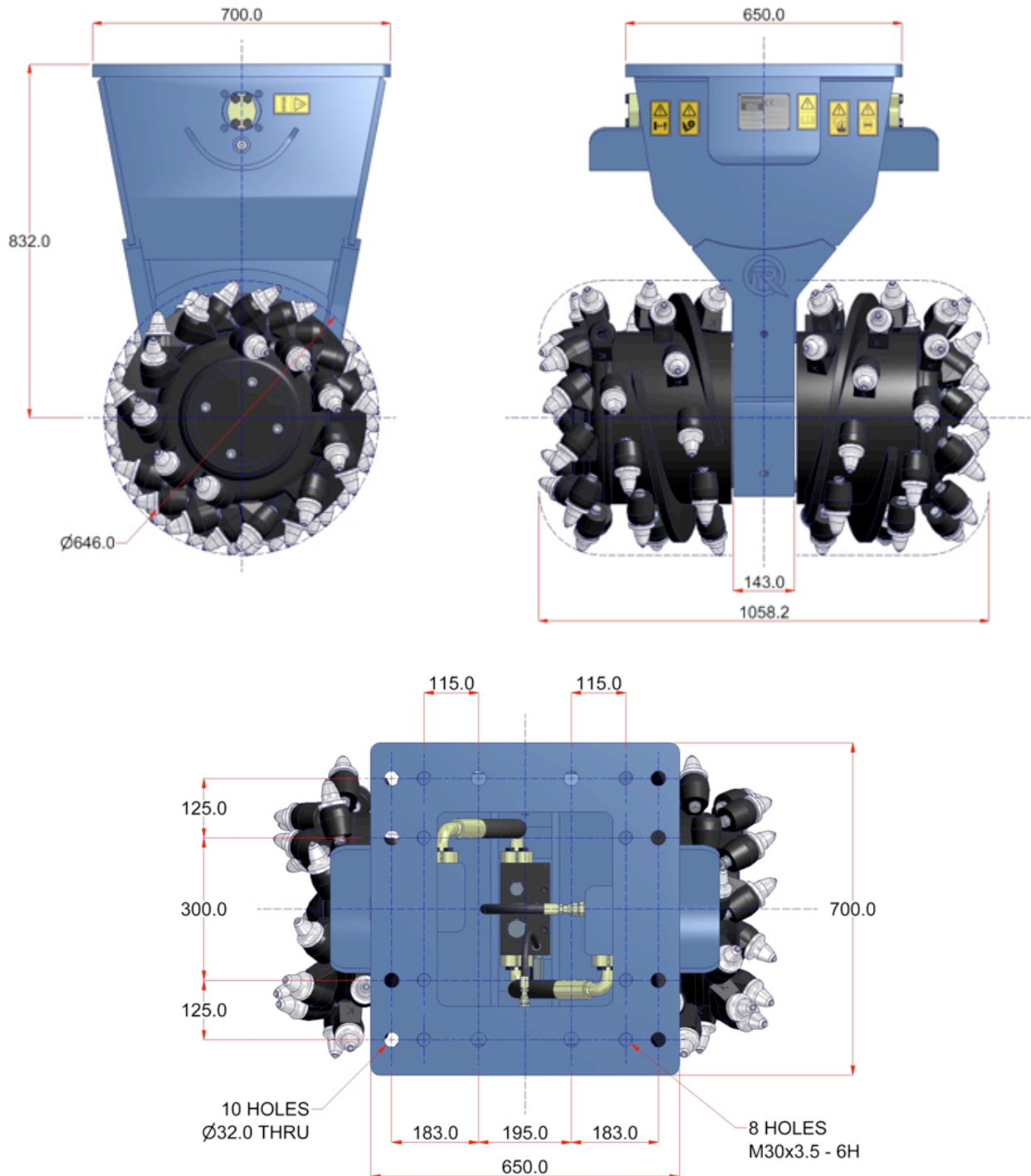
Specification Rockwheel D20

Maximum Input Power	- 70 kW	- 93.8 hp
Maximum Flow	- 320.0 lpm	- 70.4 UK gpm
Recommended Flow	- 220.0 lpm	- 48.4 UK gpm
Maximum Pressure	- 400 bar	- 5,801 psi
Output Shaft Torque	- 14,272 Nm @ 320 bar	- 10,527 lbf ft
Pick Force	- 44.2 kN @ 320 bar	- 9,937 lbf
Output Shaft Speed	- 78.0 rpm @ 220 lpm	- 78.0 rpm @ 48.4 UK gpm
Pick Speed	- 2.2 m/s @ 220 lpm	- 511 ft/min @ 48.4 UK gpm
Unit Weight	- 1.170 kg	- 2556 lb
Excavator Range	- 18,0 – 26.0 tonne	- 18.0 – 26.0 tonne
No of Picks (Rock Drums)	- 64 (25.4 mm Shank)	- 64 (1.0" Shank)

If oil specification is below 46 centistokes at 40°C (ISO HV46) the performance must be downrated.



To simplify installation the Rockwheel D20 mounting flange is designed to suit existing hydraulic breakers.





TECHNICAL DESCRIPTION ROCKWHEEL D30

The Rockwheel D30 Hydraulic Cutting Unit can be supplied with either scaling/grinding cutting drums or rock cutting drums.

Specification Rockwheel D30

Maximum Input Power	- 110 kW	- 147.4 hp
Maximum Flow	- 460.0 lpm	- 101.2 UK gpm
Recommended Flow	- 320.0 lpm	- 70.4 UK gpm
Maximum Pressure	- 400 bar	- 5,801 psi
Output Shaft Torque	- 21,376 Nm @ 320 bar	- 15,767 lbf ft
Pick Force	- 63.2 kN @ 320 bar	- 14,197 lbf
Output Shaft Speed	- 76.0 rpm @ 320 lpm	- 76.0 rpm @ 70.4 UK gpm
Pick Speed	- 2.7 m/s @ 320 lpm	- 536 ft/min @ 70.4 UK gpm
Unit Weight	- 1,444 kg	- 3,183 lb
Excavator Range	- 26.0 – 38.0 tonne	- 26.0 – 38.0 tonne
No of Picks (Rock Drums)	- 60 (38/30 mm Stepped Shank)	- 60 (1.5" / 1.18" Stepped Shank)

If oil specification is below 46 centistokes at 40°C (ISO HV46) the performance must be downrated.



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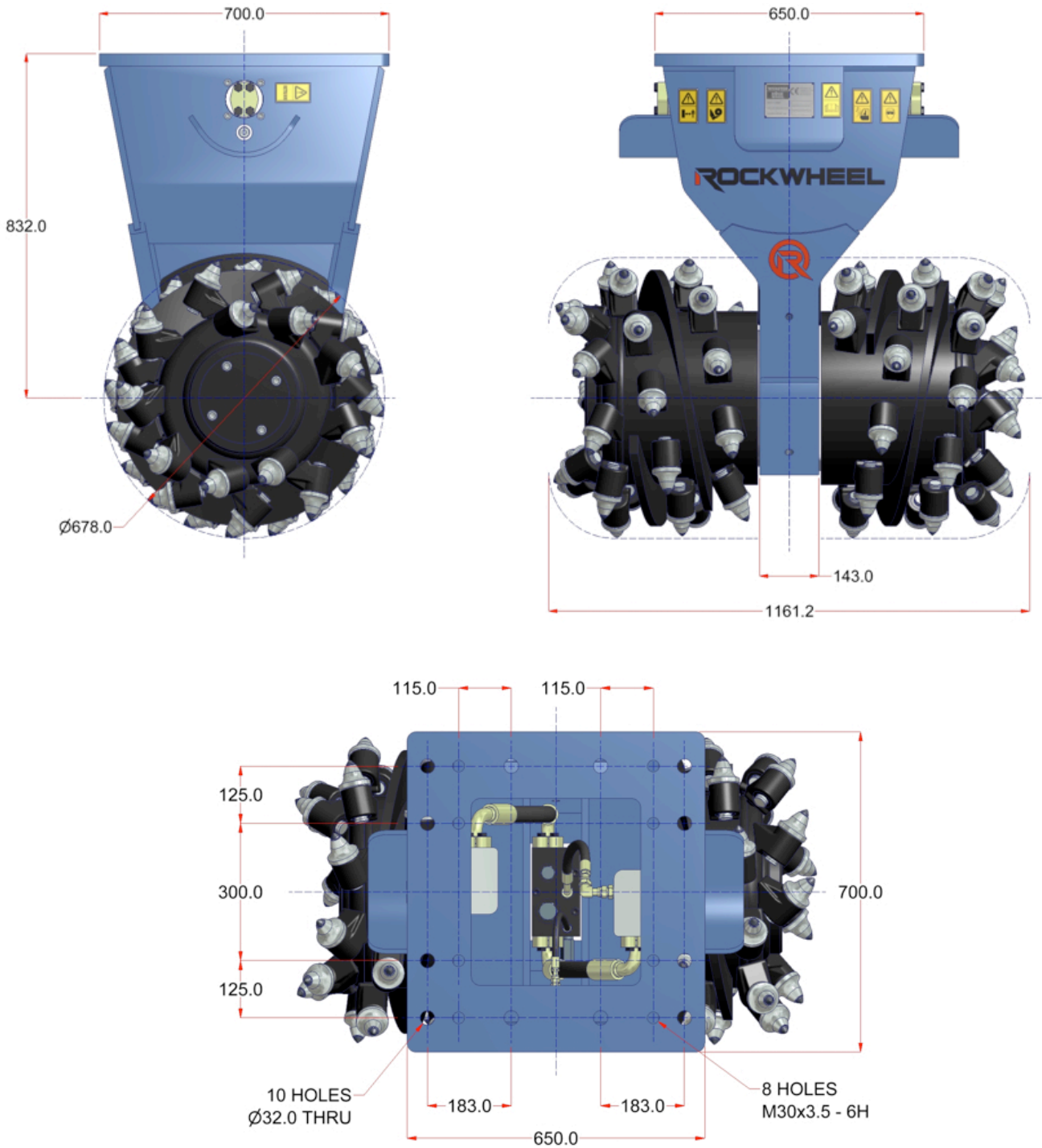
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T +49 (0) 7905 94199 - 12 F +49 (0) 7905 94199 - 20

E info@rockwheel.com W www.rockwheel.com



To simplify installation the Rockwheel TD-40 mounting flange is designed to suit existing hydraulic breakers.



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 T +49 (0) 7905 94199 - 12 F +49 (0) 7905 94199 - 20
 E info@rockwheel.com W www.rockwheel.com



TECHNICAL DESCRIPTION ROCKWHEEL G45

The Rockwheel G45 Hydraulic Cutting Unit can be supplied with either scaling/grinding cutting drums or rock cutting drums.

Specification Rockwheel G45

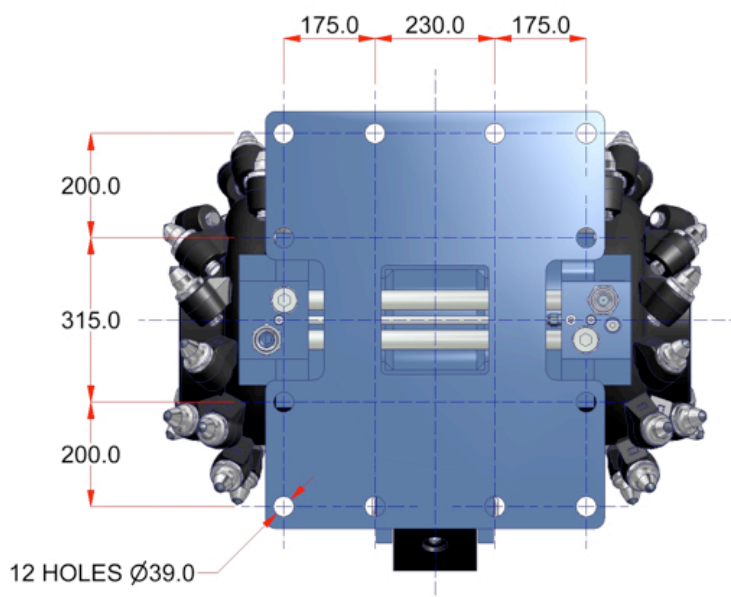
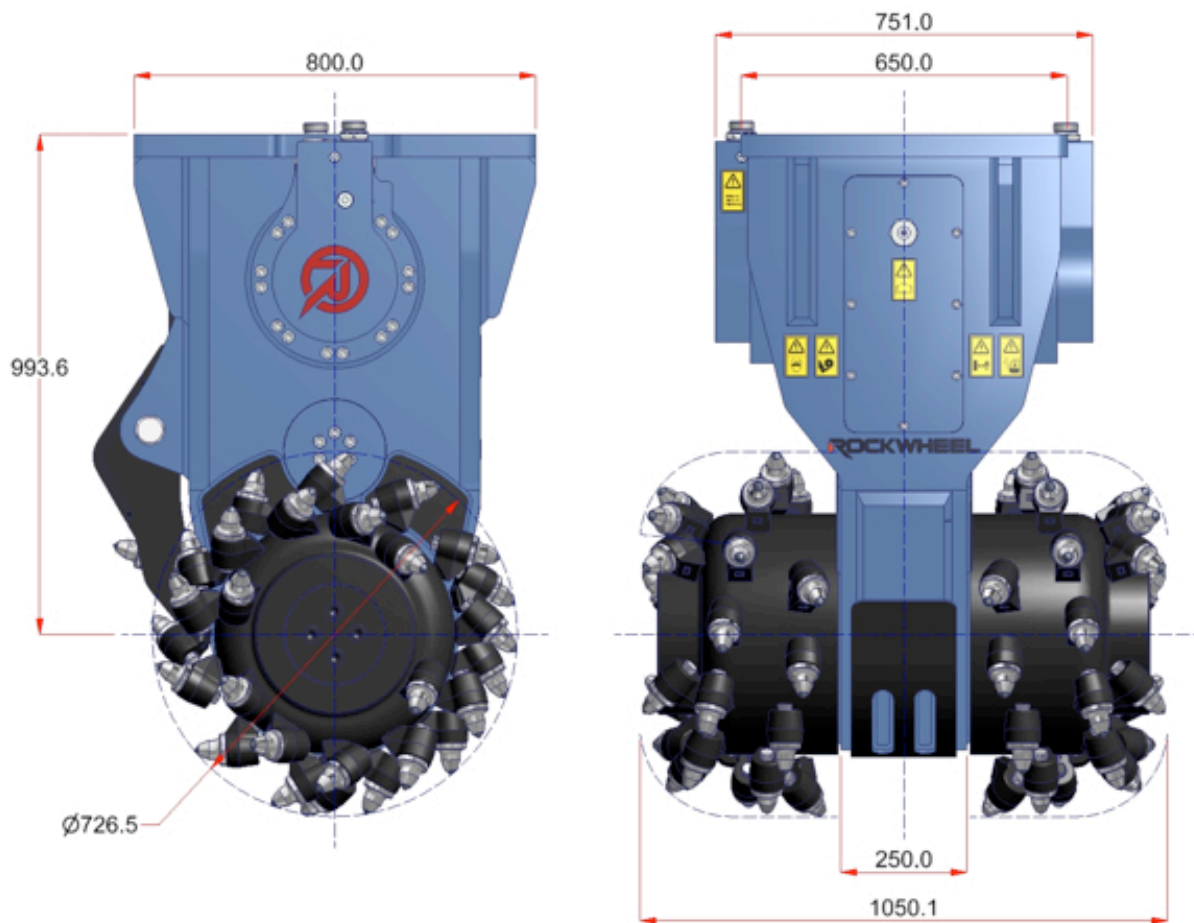
Maximum Input Power	- 140 kW	- 187.7 hp
Maximum Flow	- 540.0 lpm	- 118.7 UK gpm
Recommended Flow	- 360.0 lpm	- 79.2 UK gpm
Maximum Pressure	- 400 bar	- 5,801 psi
Output Shaft Torque	- 37,723 Nm @ 350 bar	- 27,823 lbf ft @ 5,076 psi
Pick Force	- 103.9 kN @ 350 bar	- 23,358 lbf @ 5,076 psi
Output Shaft Speed	- 53.0 rpm @ 360 lpm	- 50.0 rpm @ 79.2 UK gpm
Pick Speed	- 2.0 m/s @ 360 lpm	- 6.56 ft/s @ 79.2 UK gpm
Unit Weight	- 2,458.0 kg	- 5,419 lb
Excavator Range	- 42.0 – 50.0 tonne	- 42.0 – 50.0 tonne
No of Picks (Rock Drums)	- 54 (38/30 mm Stepped Shank)	- 54 (1.5"/1.18" Stepped Shank)

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TECHNICAL DESCRIPTION ROCKWHEEL G55

The Rockwheel G55 Hydraulic Cutting Unit can be supplied with either scaling/grinding cutting drums or rock cutting drums.

Specification Rockwheel G55

Maximum Input Power	- 220 kW	- 295.0 hp
Maximum Flow	- 680.0 lpm	- 149.5 UK gpm
Recommended Flow	- 540.0 lpm	- 142.0 UK gpm
Maximum Pressure	- 400 bar	- 5,801 psi
Output Shaft Torque	- 47,028 Nm @ 350 bar	- 34,686 lbf ft @ 5,076 psi
Pick Force	- 129.5 kN @ 350 bar	- 29,113 lbf @ 5,076 psi
Output Shaft Speed	- 53.0 rpm @ 450 lpm	- 53.0 rpm @ 99.0 UK gpm
Pick Speed	- 2.0 m/s @ 360 lpm	- 6.56 ft/s @ 79.2 UK gpm
Unit Weight	- 2,478 kg	- 5,463 lb
Excavator Range	- 50.0 – 65.0 tonne	- 50.0 – 65.0 tonne
No of Picks (Rock Drums)	- 54 (38/30 mm Stepped Shank)	- 54 (1.5"/1.18" Stepped Shank)

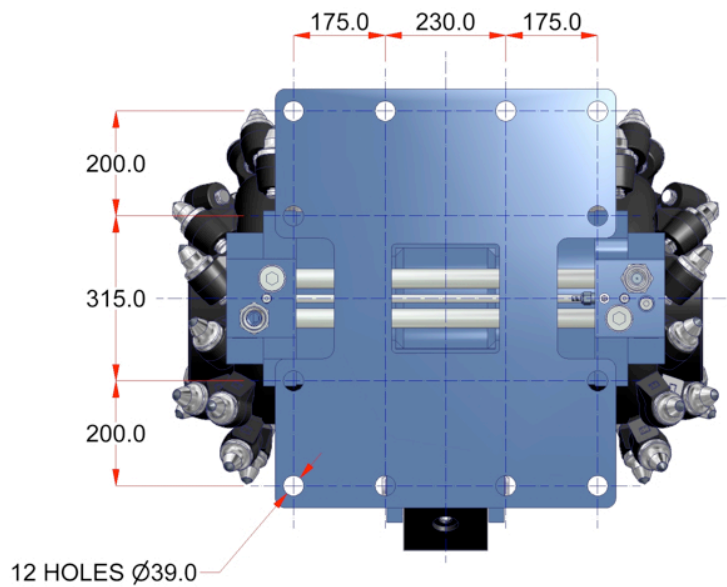
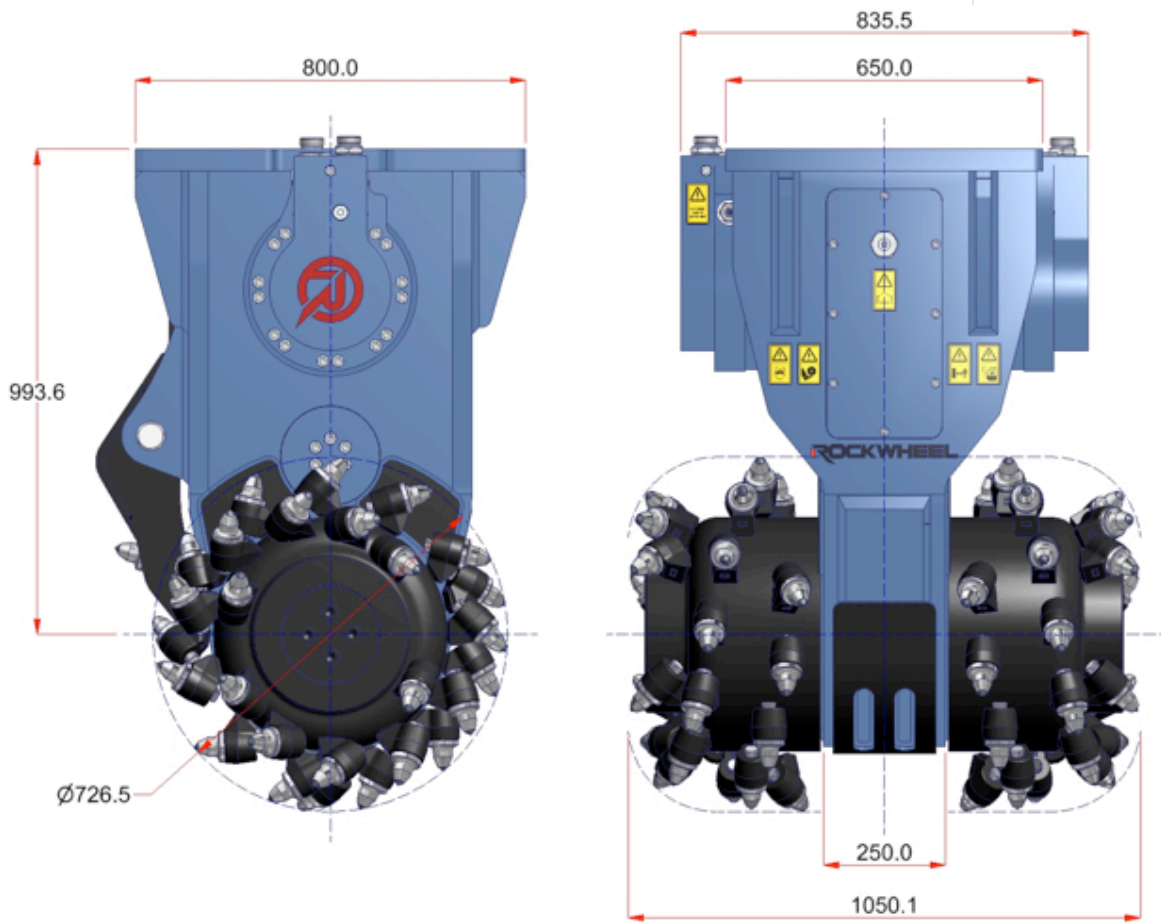


ROKLA

ROKLA GmbH - Hauptstr. 197 - 74595 Langenburg

T +49 (0) 7905 94199 - 12 F +49 (0) 7905 94199 - 20

E info@rockwheel.com W www.rockwheel.com





TECHNICAL DESCRIPTION ROCKWHEEL G125

The Rockwheel G125 Hydraulic Cutting Unit can be supplied with either scaling/grinding cutting drums or rock cutting drums.

Rockwheel G125 Specification

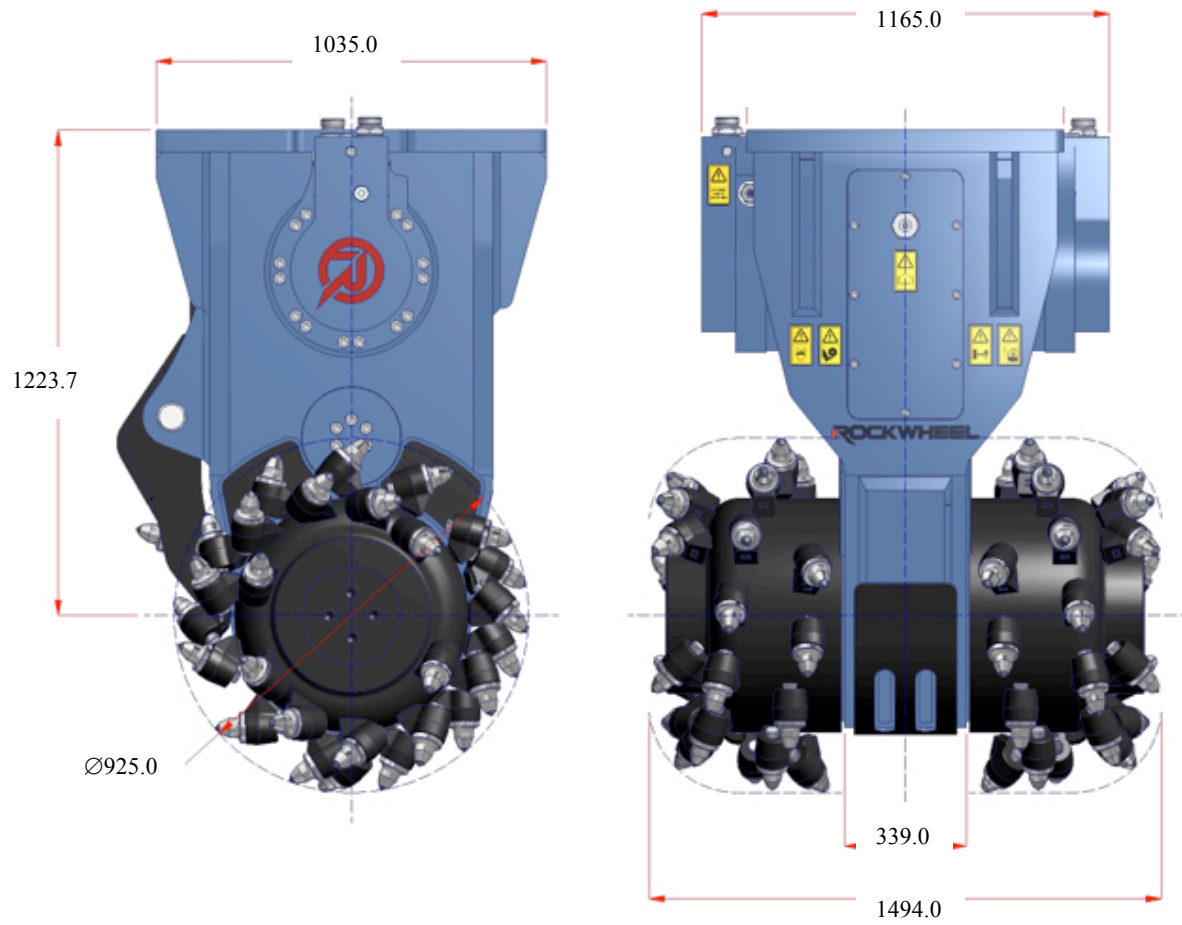
Maximum Input Power	- 400 kW	- 536 hp
Maximum Flow	- 1000.0 lpm	- 220 UK gpm
Recommended Flow	- 800.0 lpm	- 176 UK gpm
Maximum Pressure	- 400 bar	- 5,801 psi
Gearbox Reduction	- 1.23:1	- 1.23:1
Output Shaft Torque	- 111,650 Nm @ 320 bar	- 82,353 lbf ft
Pick Force	- 241.4 kN @ 320 bar	- 54,269 lbf
Output Shaft Speed	- 40 rpm @ 800 lpm	- 40 rpm @ 176 UK gpm
Pick Speed	- 1.94 m/s @ 800 lpm	- 450 ft/min @ 176 UK gpm
Unit Weight	- 5,420 kg	- 11,950 lb
Excavator Range	- 65 – 125 tonne	- 65 – 125 tonne
No of Picks (Rock Drums)	- 76 (38.0 mm Stepped Shank)	- 76 (1.5" Stepped Shank)

If oil specification is below 46 centistokes at 40°C (ISO HV46) the performance must be downrated. Please consult Webster Equipment Technical Department for further information.



ROKLA

ROKLA GmbH - Hauptstr. 197 - 74595 Langenburg
 T +49 (0) 7905 9419 -602 F +49 (0) 7905 9419 -609
 E info@rockwheel.com W www.rockwheel.com



ROKLA

ROKLA GmbH - Hauptstr. 197 - 74595 Langenburg
T +49 (0) 7905 9419 -602 F +49 (0) 7905 9419 -609
E info@rockwheel.com W www.rockwheel.com