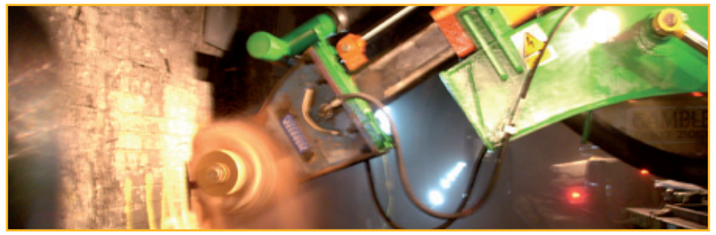
Technical Specifications

- The Webster Rockwheel range suits excavators from 2.5 to 65 tonne. The cutting performance is dependent on the excavators hydraulic system. The Rockwheel can be connected to the hydraulic breaker circuit, shear or grab circuit, which may be supplied from one or two of the main hydraulic pumps.
- A two pump delivery will ensure the maximum hydraulic power is being utilised. A drain line, or third line, is not required.
- However, in the event of the return line pressure exceeding 50 bar a relief to atmosphere will prevent damage to the Rockwheel occurring. A drain line will be required if this occurs.

Pick Types

Picks are selected by their strength, profile and abrasive resistance:

- Carbide tipped point attack picks are used to cut strong and abrasive materials such as rock and concrete.
- Carbide tipped radial picks are better suited to weaker, more friable materials and tree stumps.



Tunnel

Hydraulic Set Up

- The flow can be set usually by the operator from the cab and will affect the rotational speed of the cutting drums. The material and the application will determine the ideal speed.
- The higher the circuit relief pressure is set at, the greater the pick force. Cutting performance will improve at a higher pressure.
- Each of the Rockwheels has a maximum input power. Power is a function of flow and pressure. As the operating pressure increase the excavator pumps will 'back off' and reduce the output flow. This will be evident as the Rockwheel slows down.
- The Rockwheels require an ISO HV46 or 68 grade hydraulic oil. Using any other oil will require a reduction in the input power and operating temperature.

Specialist

Optional Extras

Scaling Drums
For profiling

Cowls
For depth and dust control

Bespoke arrangement

Flexible Design – Allows for Specialist and Bespoke Arrangements

Contact now for further information

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ROCK WHEEL

TD ROCKWHEEL RANGE

WEBSTER EQUIPMENT

WORLD CLASS EXCAVATOR ATTACHMENT TECHNOLOGY

Your innovative solutions provider, revolutionising the way excavation is undertaken in the future!

Quarrying


Trenching

- We have over 30 years experience in the design and installation of hydraulic cutting units for use in tunnelling, mining and construction.
- The Webster TD Rockwheel range suits excavators from 2.5 to 65 tonne.
- Applications – trenching, scaling, demolition works, tunnelling and quarrying.
- RockWheel is an addition to the toolbox, can be used with or an alternative to hydraulic hammers and bucket.
- New product ranges:
  - SC Range – Slot Cutters
  - TS Range – Single Drum Trenchers
  - TG Range (150-400kW) – for excavators up to 125 tonne

Unique Features

- Environmentally friendly product
- Low noise and vibration levels
- High excavation output
- No drain line
- More accurate profiling of trenches, tunnels and surfaces
- Less damage to surrounding structures
- Suits a wide range of applications
- Material can be used as back fill

Design Strengths

- Integral hydraulic safety valve
- Heavy duty seals and bearings
- Neat hose routing
- High power direct drive motor

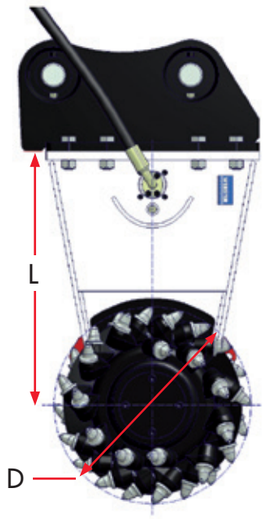
Further Applications

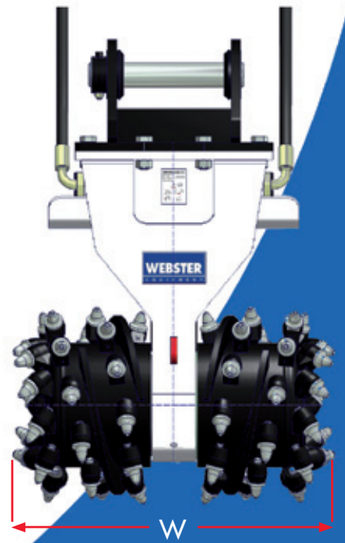
- Shaft Sinking • Mining
- Building Renovation • Tree stumps
- Tunnelling • Demolition

Specifications

Model	Excavator Range (tonne)	Weight (kg)*	Flow to Pick Speed/Drum Revs			Pressure to Pick Force		Maximum Input Power (kW)	Width W (m)	Diameter D (m)	Length L (m)
			(lpm)	(m/s)	(rpm)	(bar)	(kN)				
TD-30	2 to 6	225	30 to 65	1.5 to 3.2	75 to 162.5	220 to 320	7.3 to 10.6	22	0.64	0.38	0.48
TD-40	8 to 16	426	50 to 110	1.5 to 3.3	67 to 147	220 to 320	12.5 to 18.1	29	0.74	0.42	0.58
TD-50	12 to 18	595	75 to 130	1.5 to 2.6	59 to 103	220 to 320	18.3 to 26.6	41	0.83	0.47	0.70
TD-100N	17 to 26	1170	150 to 320	1.5 to 3.2	53 to 114	220 to 320	30.4 to 44.2	70	1.06	0.65	0.83
TD-140	25 to 38	1400	180 to 400	1.5 to 3.4	43 to 95	220 to 350	43.5 to 69.1	110	1.16	0.68	0.83
TD-160	37 to 65	1800	225 to 510	1.5 to 3.4	38 to 85	38 to 85	55.0 to 87.3	140	1.34	0.77	1.01

*excludes weight of bracket






Frozen ground


Concrete refurbishment


Roadworks

Scaling

Underwater