

TECHNICAL DESCRIPTION TS-100

The Rockwheel TS-100 Hydraulic Cutting Unit is designed specifically for narrow trenching using 16 to 26 tonne excavators.



The TS concept complements the TD Range of twin headed RockWheels, providing a range of units from 27 to 200kw with a trench width of 350 to 1000mm.

For advice re operation and concept contact Webster Equipment Ltd Technical Department.

TS-100 Specification

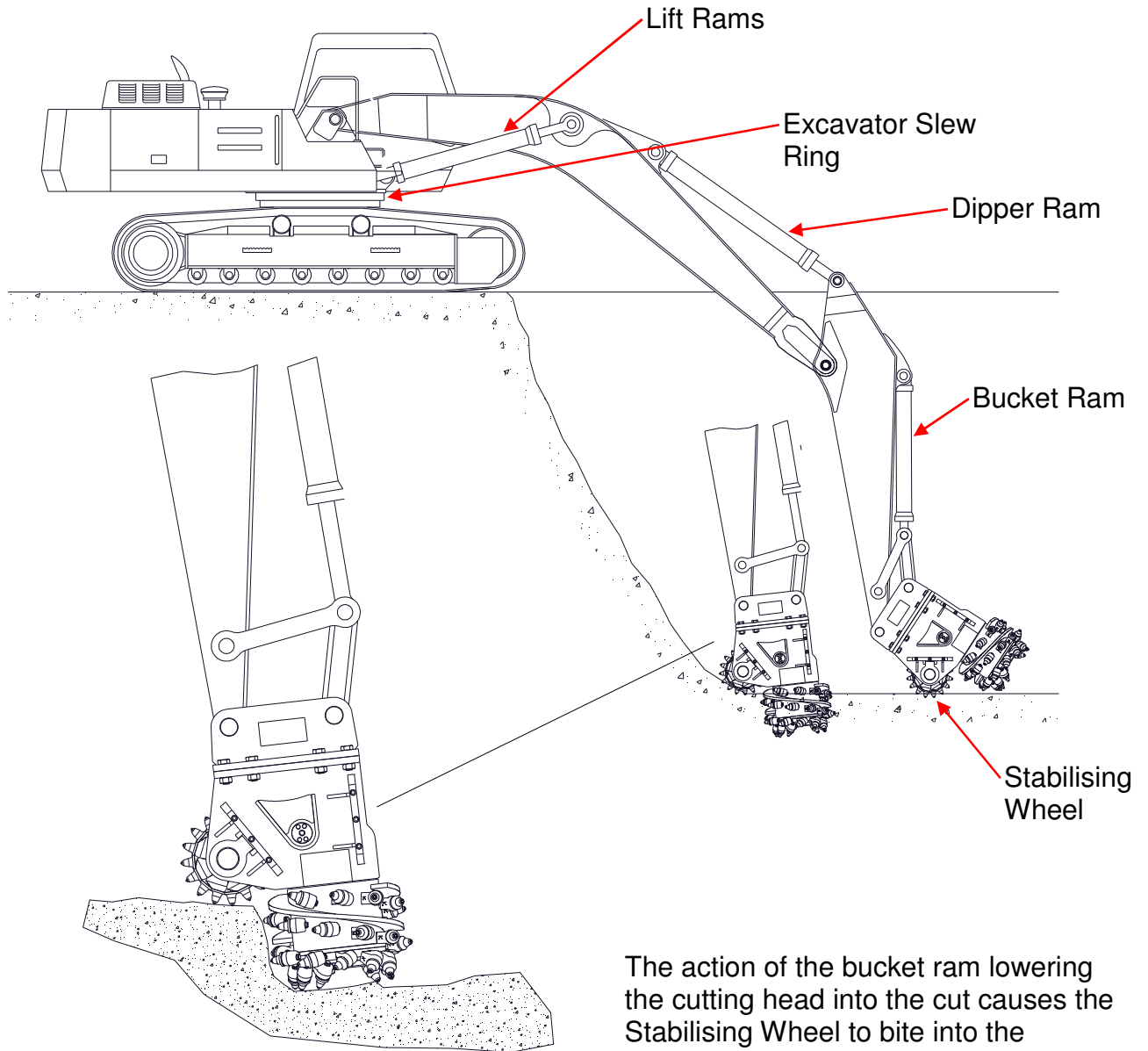
Maximum Input Power	- 70 kW	- 93.8 hp
Maximum Flow	- 320.0 lpm	- 70.4 UK gpm
Recommended Flow	- 220.0 lpm	- 48.4 UK gpm
Maximum Pressure	- 400 bar	- 5,801 psi
Output Shaft Torque	- 14,272 Nm @ 320 bar	- 10,527 lbf ft
Pick Force	- 44.2 kN @ 320 bar	- 9,937 lbf
Output Shaft Speed	- 78.0 rpm @ 220 lpm	- 78.0 rpm @ 48.4 UK gpm
Pick Speed	- 2.2 m/s @ 220 lpm	- 511 ft/min @ 48.4 UK gpm
Unit Weight	- 958 kg	- 2092 lb
Excavator Range	- 16 – 26.0 tonne	- 16 – 26.0 tonne
No of Picks (Rock Drums)	- 32 (25.4 mm Shank)	- 32 (1.0" Shank)
Trench Width	- 640 mm	- 25.2"

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

**PATENT
PENDING**



The following details the concept behind the TS-100 axial cutting unit.



The action of the bucket ram lowering the cutting head into the cut causes the Stabilising Wheel to bite into the ground.

The axial cutting head can now be used with minimal shock loading on the excavator slew ring.

The lift, dipper and bucket cylinders can all be used whilst the load is maintained on the Stabilising Wheel.