



# Red Rhino 4000 series

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## Technical Specifications:

- Crusher:** Single toggle jaw crusher, 14% manganese steel jaws
- Engine:** Perkins 14hp water cooled diesel
- Fuel Consumption:** 2 litres per hour on full throttle, red or white diesel
- Fuel capacity:** 10 litres
- Chassis:** Hydraulic rubber tracks, fast track lever
- Output:** See overleaf
- Jaw Aperture:** 400mm x 170mm
- Output size:** Hydraulic adjustment, choice of 5mm – 70mm
- Control system:** Manual Hydraulic levers
- Unique:** Hydraulic reversible jaw action, reversible jaw plates, will travel through doorway, can crush full UK kerbstone in approximately 40 seconds.

## Dimensions:

- Length:** 3000mm
- Width:** 775mm
- Total Height:** 1580mm
- Loading height:** 1520mm
- Weight:** 1420kg (subject to specification)

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## Unique features of the 4000 series Red Rhino crusher



**Description:** Single toggle jaw crusher with jaw aperture of 400mm x 170mm – the only small crusher to accept a full UK kerbstone. The 4000 series is 775mm wide and can travel through doorways, into rear gardens, and enter sites where access and space is restricted. Hydraulically adjustable jaws allow for the adjustment of output product size, ranging from a choice of 5mm up to 70mm.

**Material:** The 4000 series will crush concrete, kerbstone, marble, paving slabs, bricks, tiles, blocks, stone, porcelain, flint, gravestones, etc

**Output:** Output will vary according to jaw setting, loading method, loading equipment, input material, and familiarity of the loading operator. In excess of 6t per hour has been achieved.

**Jaws:** Hydraulic adjustment lever allows for the quick release of material and adjustment of product size. A hydraulic jaw 'reverse' is also provided. A hydraulic pressure relief valve and further safety features are fitted as standard. Jaw plates are made of 14% manganese steel which will 'work-harden'. The jaws are reversible (2 'lives').

**Reinforced concrete & steel:** For steel and reinforced concrete it is recommended that you protect your conveyor belt and crush this material having removed the conveyor belt. Removal of the output conveyor system is quick and easy.

**Engine:** The engine is a Perkins 14hp water-cooled diesel with a maximum rpm of 3600. The engine is economical using red or white diesel. The fuel tank capacity is 10 litres, with 1 litre of fuel lasting approximately 30 minutes.

**Tracks & Controls:** Tracks are rubber and controlled by hydraulic levers. A fast-track lever is available for straight line tracking. Controls are simple and clearly labeled. A hydraulic oil cooler is fitted to ensure longer life of hydraulic equipment for hotter climates.

**Conveyor & Dust Suppression:** Dust suppression is fitted as standard and is by means of fine water spray nozzles, utilizing standard domestic hose pressure. The output conveyor is simple in design with a moulded belt providing strength and durability. The conveyor system can be removed quickly to allow access for cleaning.

**Loading:** Maximum productivity is achieved by correct loading of the crusher; this is a steady feeding of the jaw aperture, ensuring that the jaw or hopper is not over-loaded. Loaded by hand or with a maximum 1.5t mini excavator using a maximum 10 inch bucket, a steady feed method should be employed as this will produce optimum tonnage per hour. Overloading or swamping the hopper or jaw will reduce output.

**Conveyor Mounted Screener Attachment (optional):** An option conveyor mounted screener is available for the separation of dust and topsoil from the crushing process. Supplied with a 10mm mesh, the screener can also assist with the creation of decorative aggregates.

**Safety & Maintenance:** There are two emergency cut-out switches located to the front and rear of the machine. The engine cover is lockable and a battery isolator switch supplied. A central external greasing point is fitted. Following an initial 50 hour service, intervals are every 250 hours. An optional engine immobilizer is available.

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