

# TRACKED MOBILE CONE CRUSHER



**C-1550**  
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## C-1550

The Terex® Finlay C-1550 is a high capacity and aggressive cone crusher for the surface ore mining and aggregate industries. This efficient and productive machine incorporates the proven Terex® 1300 cone crusher with direct variable clutch drive, automatic tramp relief and hydraulic closed side setting (CSS) adjustment.

The large hopper/feeder has an automated metal detection and a purge system to protect the cone and reduce downtime by removing metal contaminants via the purge chute.

Additional benefits include, rapid set up time, ease of maintenance, high reduction ratio, high output capacity and advanced electronic control system.

### Hopper / Feeder

- ▶ Hopper capacity: 8m<sup>3</sup> (10.4yd<sup>3</sup>)
- ▶ Feed height: 3.3m (10' 10")
- ▶ Feed height with optional hopper extensions: 3.7m (12' 2")
- ▶ Hopper Width at rear: 2.5m (8' 2")
- ▶ Hopper Width at rear with optional hopper extensions: 4.16m (13' 8")
- ▶ Belt Spec: Plain
- ▶ Belt Width: 1.2m (48")
- ▶ Speed range: variable, 0 - 43m/min (0 - 141 ft/min)
- ▶ Working Angle: 22°

### Cone chamber

- ▶ Terex 1300mm (51") cone chamber
- ▶ Cone Speed Range: 690 - 760 rpm
- ▶ Drive arrangement: Direct drive via clutch and v-belts
- ▶ Variable speed control settings for producing a quality aggregate
- ▶ 'On the fly' hydraulically adjustable closed side setting with monitoring system
- ▶ Mantle/concave wear indicator

### Platforms

- ▶ Galvanised catwalks and ladders for full maintenance and service access
- ▶ Catwalks on both sides of the machine
- ▶ Compact folding for transport

### Main conveyor

- ▶ Belt Width: 1.2m (48")
- ▶ Belt Spec: Plain
- ▶ Speed: 115 - 130 m/min (377 - 426 ft/min)
- ▶ Discharge Height: 3.55m (11' 8")

## STANDARD FEATURES ENGINE:

Tier 3 / Stage IIIA: Caterpillar C15 ACERT 390kW (522hp)

Tier 4 Final / Stage IV: Scania DC13 368kW (500hp)

## CONE:

Terex 1300 Cone chamber, 1300mm (51") head diameter

Medium coarse concave (max feed size 220mm)

Direct cone drive via wet clutch

## FEEDER CONVEYOR / HOPPER:

Hopper capacity: 8m<sup>3</sup> (10.4yd<sup>3</sup>)

Belt width: 1.2m (48")

Metal detector

Metal contaminants purge system

Wear resistant liner plates

## MAIN CONVEYOR:

Belt width: 1.2m (48")

High spec scraper at head drum

Wear resistant liners at crusher discharge point

Dust Covers

## GENERAL:

Galvanised catwalk c/w handrail, kick board and access ladders

Heavy duty track unit, sprocket centres 3.8m, pad width 500mm

Hand held track control set with connection lead

Standard oils - (Recommended for ambient temperatures between -5 to +30°C)

Safety guards in compliance to machinery directive

One auxiliary drive

Emergency stops

Piped for dust suppression c/w spraybars

Electric re-fuelling pump

Note: This is the 1550 short Chassis with no pre-screen available at all.

## Features:

- ▶ Fully Hydraulic CSS Adjustment with electronic monitoring system ensures ease of operation.
- ▶ Fuel efficient direct drive transmission through wet clutch.
- ▶ Hydraulic Tramp Relief System with automatic reset protects the chamber and minimises downtime.
- ▶ Metal detection system on feed belt with 'auto-stop' protects the cone from tramp metal and the purge system removes contaminants from the machine.

### Undercarriage

- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 3.80m (12' 6")
- ▶ Tracking Speed: 1.2 km/h
- ▶ Gradeability: 25°

### Powerpack

- ▶ Tier 3 / Stage IIIA : Caterpillar C15 ACERT Engine Power: 390kW (522hp) Engine Speed : 1480 - 1620 rpm
- ▶ Tier 4F / Stage IV: Scania DC13 Engine Power: 368kW (500hp) Engine Speed: 1475 - 1625 rpm



### Transport Dimensions



### Working Dimensions



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