

 **TEREX** | FINLAY

# TRACKED MOBILE CONE CRUSHER



**C-1545**  
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## C-1545

The Terex® Finlay C-1545 is a high capacity and aggressive cone crusher that consistently provides high output capacity and a product with excellent cubicity. This efficient and productive machine incorporates the NEW Terex® 1150 cone crusher driven by direct clutch drive with variable speed, automatic tramp relief and hydraulic closed side setting (CSS) adjustment.

The large hopper/feeder has a 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 and advanced electronic control system.

### Hopper / Feeder

- ▶ Hopper capacity: 6m<sup>3</sup> (7.8yd<sup>3</sup>)
- ▶ Feed height: 3.0m (9' 10")
- ▶ Feed height with optional hopper extensions: 3.22m (10' 7")
- ▶ Hopper Width at rear: 2.27m (7' 5")
- ▶ Hopper Width at rear with optional hopper extensions: 4.12m (13' 6")
- ▶ Belt Spec: Plain
- ▶ Belt Width: 1.2m (48")
- ▶ Speed range: variable, 0-32 m/min (0-105 ft/min)
- ▶ Working Angle: 19°

### Cone chamber

- ▶ Terex 1150mm (45") cone chamber
- ▶ Cone Counter Shaft Speed Range: 1550 - 1700 rpm
- ▶ Variable speed control settings for producing a quality aggregate
- ▶ Drive arrangement: Direct drive via clutch and v-belts
- ▶ 'On the fly' hydraulically adjustable closed side setting with monitoring system
- ▶ Mantle/concave wear indicator

### Powerpack

- ▶ Tier 3 / Stage IIIA : Caterpillar C13 ACERT  
Engine Power: 328kW (440hp)  
Engine Speed : 1750 - 1900 rpm
- ▶ Tier 4F / Stage IV: Scania DC13  
Engine Power: 331kW (450hp)  
Engine Speed: 1550 - 1700 rpm

### Main conveyor

- ▶ Belt Width: 1.0m (40")
- ▶ Belt Spec: Plain
- ▶ Speed: 105 - 115 m/min (344 - 377 ft/min)
- ▶ Discharge Height: 3.26m (10' 8")

### Metal purge system

- ▶ Metal purge chute standard



## Features:

- ▶ Fuel efficient direct drive transmission via a 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.

### Platforms

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

### Undercarriage

- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 3.80m (12' 6")
- ▶ Tracking Speed: 1.1 km/h
- ▶ Gradeability: 25°



## STANDARD FEATURES

### ENGINE:

Tier 3 / Stage IIIA: Caterpillar C13 Acert 328kW (440hp)

Tier 4F / Stage IV: Scania DC13 331kW (450hp)

### CONE:

Terex 1150 Cone chamber, 1150mm (45") head diameter

Long throw eccentric, medium coarse concave (max feed size 180mm)

Direct cone drive via clutch

### FEEDER CONVEYOR / HOPPER:

Hopper capacity: 6m<sup>3</sup> (7.8yd<sup>3</sup>)

Belt Width: 1.2m (48")

Metal detector

Wear resistant liner plates

### MAIN CONVEYOR:

Belt Width: 1.0m (40")

High spec scraper at head drum

Wear resistant liners at crusher discharge point

### 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

Safety guards in compliance to machinery directive

Emergency stops

Piped for dust suppression c/w spraybars

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

## Transport dimensions



## Working dimensions



Machine Weight: \*43,440kg (95,769lbs)

without options

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