

# JAW CRUSHER



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# J-1160

The Terex Finlay J-1160 is a compact and aggressive tracked mobile primary jaw crusher. Incorporating the Terex Jaques JW40 jaw crusher a heavy duty VGF feeder and an integrated prescreen system the Terex Finlay J-1160 gives optimum production in quarrying, mining, demolition and recycling applications.

Its compact size, quick set up times, ease of transport and user friendly operational features make the Finlay J-1160 ideal for all sized operators.

## STANDARD FEATURES

### Engine:

Tier 3 / Stage 3A: Caterpillar C9 Acert 224kW (300hp) water cooled engine

Tier 4i / Stage 3B: Scania DC9 80A 202kW (275hp)

### Jaw Chamber:

Terex 1000mm x 660mm (40" x 26") single toggle jaw crusher

Hydrostatic drive and advanced electronic control system

Fully hydraulically adjustable closed side setting

Reversible operation for clearing blockages

S tooth liners - 18% Manganese as Standard

### Hopper/Feeder:

Hopper Capacity: 5m<sup>3</sup> (6.5yd<sup>3</sup>)

Heavy duty vibrating feeder

Grizzly feeder with integral pre-screen, standard 50mm spacing

Selectable discharge to by-pass conveyor or main conveyor

Mesh aperture on grizzly feeder: 30mm

### Main Conveyor:

900mm wide main belt fitted with impact bars at feed point

High spec scraper at head drum

Piped for dust suppression complete with spraybars

### General:

Piped for overband magnet

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

Heavy duty undercarriage unit with 400mm wide pads

Handheld track control set with connection lead

Single speed tracks with 'soft start'

Safety guards in compliance with machinery directive

Emergency stops



### Main Conveyor

- ▶ Belt Width: 900mm (36")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 22°
- ▶ Speed: 110 m/min nominal
- ▶ Discharge Height: 3.3m (10' 10")
- ▶ Impact bars and wear resistant liners at feed point
- ▶ High spec scraper at head drum
- ▶ Dust suppression: fitted with hose and spraybars as standard (no pump supplied)
- ▶ Standard Stockpile capacity: 53.4m<sup>3</sup> (70yd<sup>3</sup>)@40°

### Platforms

- ▶ Galvanised catwalks and ladders for full maintenance and service access
- ▶ Catwalks on left hand side of the machine with access to both sides of the powerunit
- ▶ Compact folding for transport

### Jaw Chamber

- ▶ Terex JW40 chamber single toggle jaw crusher
- ▶ Inlet width: 1000mm (40")
- ▶ Inlet gape: 660mm (26")
- ▶ Under jaw clearance: 465mm nominal
- ▶ Drive arrangement: Hydrostatic
- ▶ Maximum Closed Side Settings (CSS): 135mm (5 1/2 ")
- ▶ Minimum Closed Side Settings (CSS): 40mm (1 1/2 ")
- ▶ Demolition and Recycle applications. 75mm (3") 'Hard-Rock' Quarry application, 60mm (2 1/2") 'Soft-Rock' Quarry application
- ▶ Reverse action for clearing blockages
- ▶ Deflector plate - optional
- ▶ Full hydraulic closed side setting adjust
- ▶ Standard Liner Profile: S-Tooth (18% Manganese)

### Hopper and Feeder

- ▶ Hopper capacity: 5m<sup>3</sup> (6.5yd<sup>3</sup>)
- ▶ Feed height with standard hopper: 3.40m (11' 2")
- ▶ Feed height with standard hopper and extensions: 3.82m (12' 6")
- ▶ Material: 10mm wear resistant steel
- ▶ Feed width at rear with standard hopper: 1.73m (5' 8")
- ▶ Feed width at rear with standard hopper and extensions: 2.38m (7' 10")
- ▶ Vibrating Grizzly feeder (VGF)
- ▶ VGF grizzly aperture: 50mm (Option of 75mm)
- ▶ VGF wire mesh aperture: 30mm (Other options available upon request)
- ▶ VGF Speed range: variable, 450-850 rpm
- ▶ Hopper extensions (Optional): 8m<sup>3</sup> (10.4yd<sup>3</sup>)
- ▶ Hopper Extensions hydraulic folding and manual locking

## Features:

- ▶ The robust high performance hydrostatic driven single toggle jaw chamber provides high capacity with large reduction ratio's.
- ▶ Automatic variable speed VGF ensures continuous choke feeding of the crushing chamber for optimal productivity.
- ▶ High powered hydrostatic drive ensures precise chamber controls and reverse functionality for clearing blockages and assisting in demolition and recycling applications.
- ▶ Fully hydraulic adjustable closed side setting minimises downtime and offers quick adjustment.



**Magnet**  
▶ Optional

### Powerpack

- ▶ Tier 4i / Stage IIIB : Scania DC9 78A  
Engine Power: 275hp (202 kW) (EU SPEC)  
Engine Speed: 2000 rpm
- ▶ ROW (Tier 3 or equivalent): Tier 3 / Stage IIIA :  
Caterpillar C9 Tier 3 ACERT  
Engine Power: 300hp (224 kW)  
Engine Speed: 2000 rpm

### Undercarriage

- ▶ Shoe Width: 400mm (16")
- ▶ Sprocket Centres: 3.28m (10' 9")
- ▶ Single tracking speed with 'soft start'
- ▶ Speed: 1.1 km/h
- ▶ Gradeability: 25°

### By-pass conveyor (optional)

- ▶ Belt Width: 650mm (26")
- ▶ Belt Spec: Plain
- ▶ Working Angle: 22°
- ▶ Speed: 50 - 60 m/min
- ▶ Hydraulically folds for transport
- ▶ Standard Discharge Height: 2m (6' 8")
- ▶ Stockpile capacity: 11.4m<sup>3</sup> (15.6yds<sup>3</sup>) @ 40°
- ▶ Optional extended discharge height: 2.8m (9' 2")
- ▶ Extended Stockpile capacity: 32.6m<sup>3</sup> (42.6yds<sup>3</sup>) @ 40°



## Transport Dimensions



## Working Dimensions



Machine Weight: 33,500kg (73,854lbs)  
(without by-pass conveyor and magnet options)  
36,000kg (79,365lbs)  
(with by-pass conveyor and magnet options)

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