



# APRON FEEDER

## HEAVY DUTY PRIMARY FEEDER

D4, D6 & D9 models

Heavy duty cast pans

Electric or hydraulic

200 - 10,000 tonnes per hour

Feed size 20 - 2000mm



**ROCKTEC**  
*Rock Technology*



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## HEAVY DUTY PRIMARY FEEDER

Designed for primary applications involving severe material weight, impact and abrasion, Rocktec have a model to suit it all. The overlapping pans are bolted to crawler tractor chain and driven by segmented sprockets. Heavy duty spherical type roller bearings support the head and tail shaft whilst the chain and pans are supported by a series of steel support rollers with lubricating bushes. Due to the high shock loadings a central impact bar runs the length of the feeder to prevent permanent distortion of the pans.

### ► Technical Features

#### ► Heavy Duty Frame

The mainframe is typically constructed from beams and cross members welded together to give maximum continuous strength and support along the complete length of the feeder.

#### ► Rollers

The carry rollers are standard crawler tractor type and are spaced to eliminate any sag in the chain. Twin flanges greatly reduce the loading on each roller.

#### ► Chain Take-up

Hydraulic rams ensure that the chain can be tensioned correctly by the operator or maintenance personnel without the need for specialised heavy duty equipment.

#### ► Sprockets

The odd number of teeth allows each tooth to contact the chain on every second rotation, this will double the life of the sprockets. When it is time to be replaced, the segmented design allows it to be completed with the chain in place.

#### ► Heavy Duty Chain

All Rocktec Apron Feeders utilise heavy duty crawler tractor chain, sized to suit the application. This design greatly increases wear life and drive line strength.

#### ► Shafts

Shafts are manufactured from oversized forged steel and the sprocket hubs are taper locked to the shafts for longer life.

#### ► Impact Rail

All Apron Feeders are fitted with either one or two impact rails that prevent permanent deformation of the pans. This is achieved by the rails absorbing the severe impact loadings by transmitting the energy into the mainframe.

#### ► Bearings

Head and tail shafts are mounted on large, double row, self aligning spherical roller bearings. Minimum design life is 100,000 hours of B10 life. Grease lines are fitted allowing easy access during operation.

#### ► Pans

Manganese pans are used due to the high impact loadings and excellent abrasion properties. Machined surfaces ensure a perfect fit with the chains. Pans are able to be custom designed and manufactured to suit individual applications.

#### ► Drive

A range of drive options are available including electric and hydraulic. Standard drives are electric with planetary close coupled gearboxes.

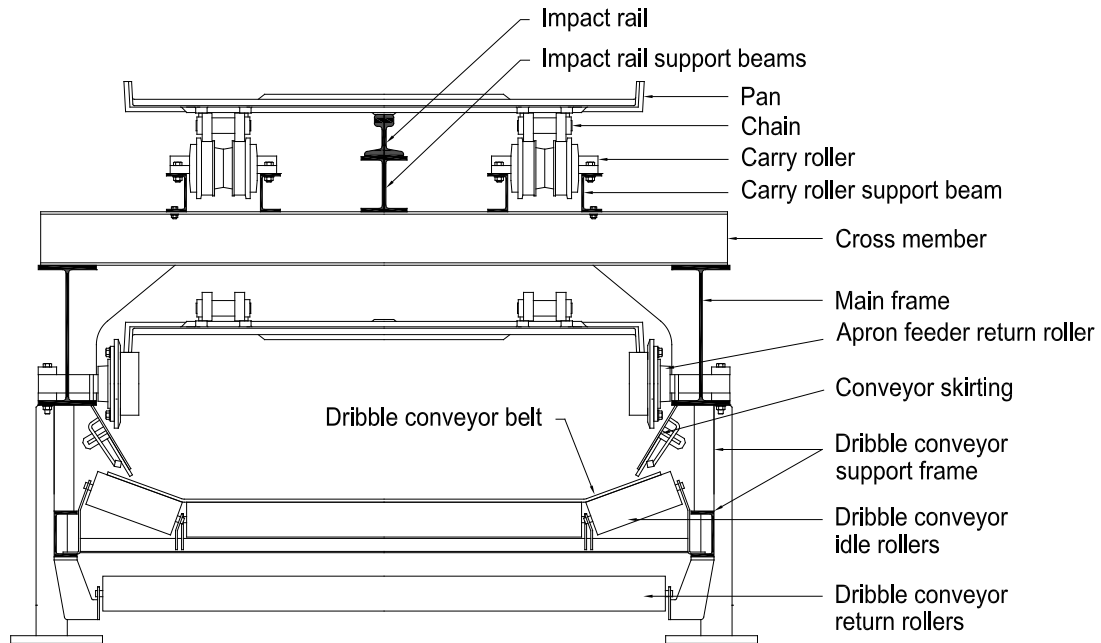


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