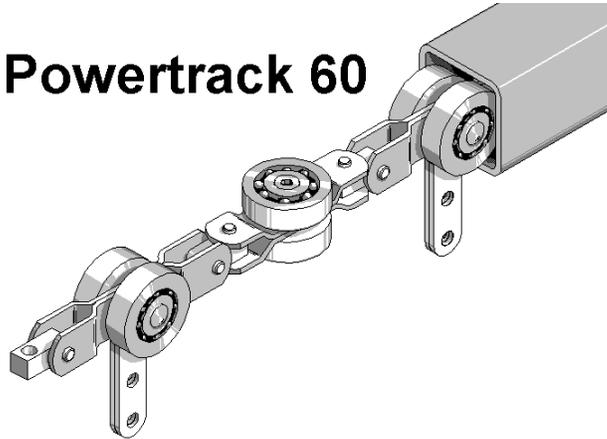


Powertrack 60



Suitable for a wide range of applications and processes, the **Powertrack 60** complements our extensive range of **Powertrack** conveyors.

Features

Designed for medium duty applications providing a carrying capacity of up to 60kg per pendant with a 4mm wall track section for span loading.

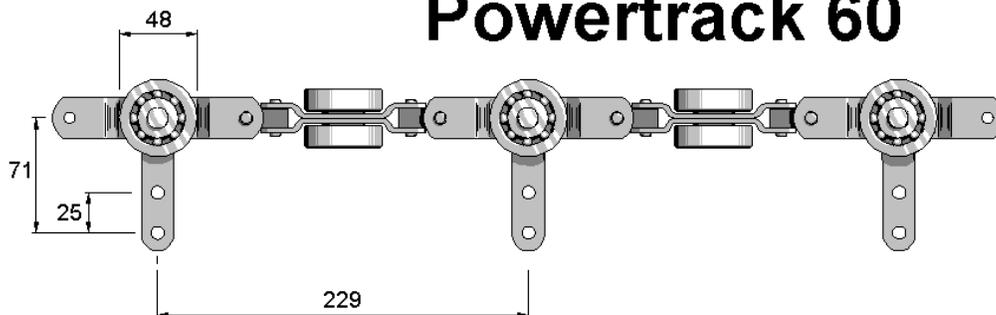
Modular construction utilising many common components within the **Powertrack** range enabling easy installation and future alterations and extensions.

Suitable for operation through areas up to 250 deg. C makes it an ideal choice for all uses including transportation, process and paint finishing applications.

Fully enclosed track ensures a safe and quiet operation.

As with the full Powertrack range, the modules are designed for easy installation at high level ensuring optimum free floor space for other operations.

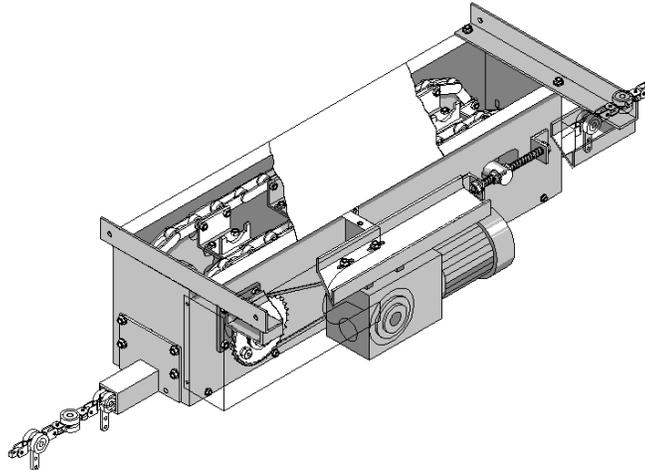
Powertrack 60



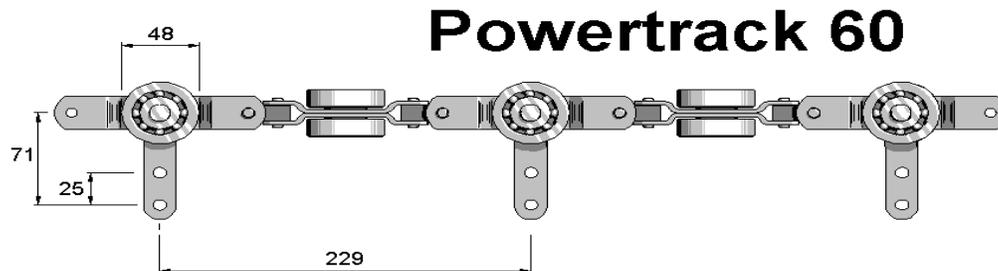
Powertrack 60 - technical specification

Drive

Comprising a caterpillar type drive renowned for smooth surge free power transmission. The unit would be driven by a helical worm drive geared motor unit incorporating a morse friction clutch unit for overload protection of the chain components.



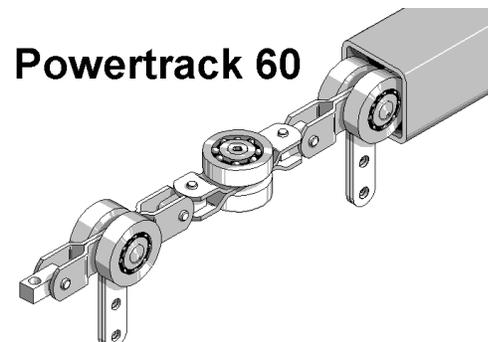
Chain



Incorporating medium duty pendants at 229 pitch, the sturdy fully bi-planer chain includes articulating joints with cold rolled steel side plates. Double 48mm diameter wheels are incorporated vertically and horizontally and are fitted with twin steel cage ball bearings for optimum efficiency and trackability.

Track Section

Rolled from high quality galvanised steel to form a 60mm nominal square section with 4mm wall thickness with a 12.5mm slot. The bolted clamp connectors and hanger clamps facilitate easy installation (including cut down sections).



Powertrack 60 - technical specification cont.

Bend Sections

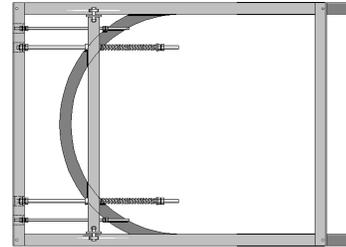
Bends (vertical and horizontal) have a standard radius of 610mm for 229mm pitch chain. Bends are available in 15, 30, 45, 60 and 90 degree segments complete with 150mm long connecting lead-ins.

Inspection Section

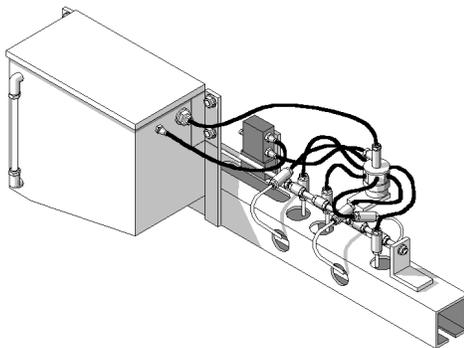
This would be incorporated in a readily accessible position within the system for easy inspection and carrying out preventative maintenance.

Tension Unit

All chain circuits require the means to set and maintain the correct working tension. To facilitate this, the tension unit comprises a 180 degree bend available with differing track centres to suit the system mounted below a frame with twin springs and lock-off facilities. It is recommended that the unit is incorporated following the drive unit. For extra wide applications linear tension units are utilised.



Lubricator



For long chain life, particularly when operating in high temperatures, lubrication is essential. The lubricator is a pneumatically powered unit which allows pulses of lubricant onto essential components. The unit includes a separate solenoid valve with silencer and regulator. Essential unit piping and connections would be pre-assembled and tested in our works.

Lubricator details

Requires compressed filtered air at 4 – 5 Bar.
Size of actuating valve inlet is 1/8" BSP/8mm dia tube.
Reservoir capacity – 3.5 litres.

Powertrack 60
Technical Data

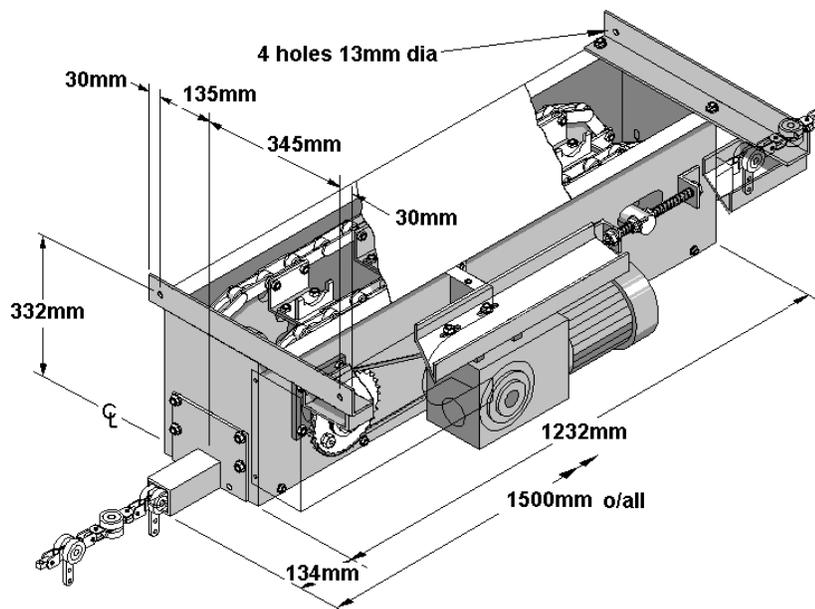
Chainpull. Maximum allowable through the drive is 455kg.

Support data

<i>Support Pitch</i>	<i>Load per metre based upon uniform weight distribution</i>	<i>Max. point load central to support span (hung on 1 or 2 pendants)</i>
3500mm	48.5 kg / mtr	72.75 kg
3250mm	56.5 kg / mtr	84.75 kg
3000mm	68.0 kg / mtr	102.00 kg
2750mm	84.0 kg / mtr	120.00 kg
2500mm	107.0 kg / mtr	120.00 kg

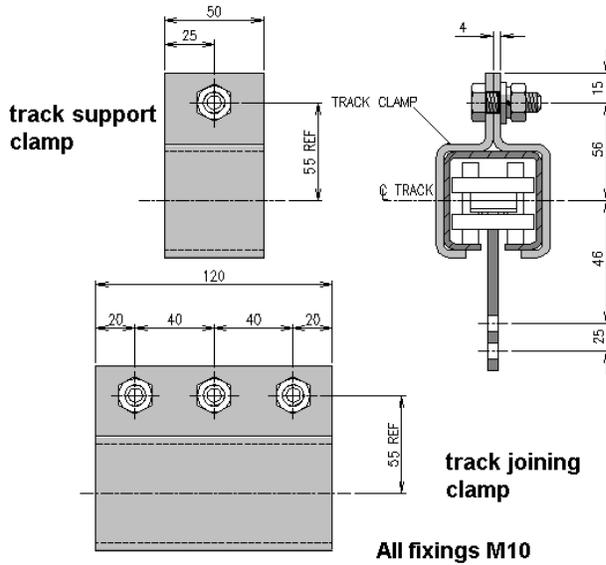
* The above information is calculated from BS 5950: Part 1 : 1990 Section Two for horizontal deflection, based upon the Span / 500.

Module data



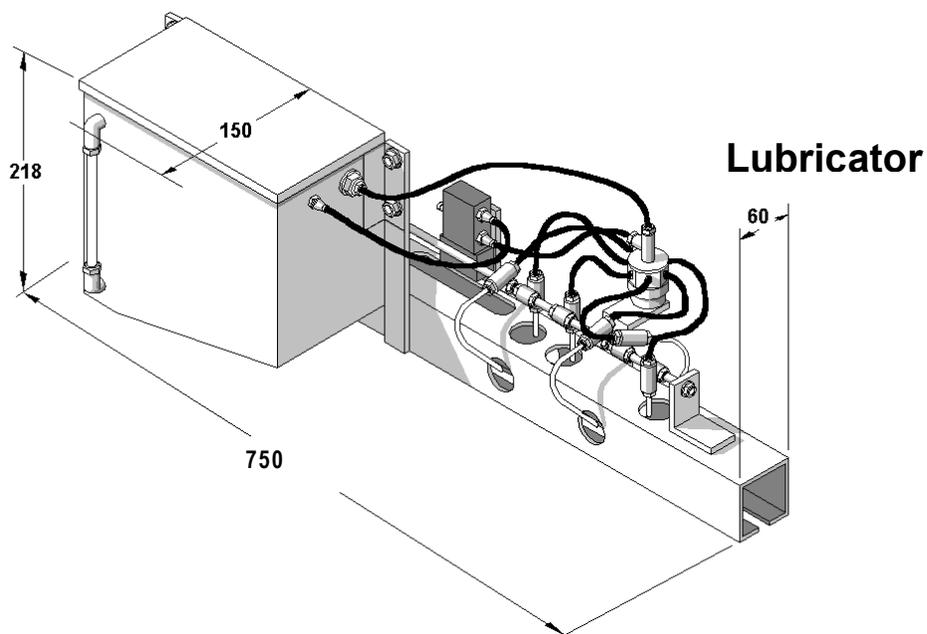
Drive Unit

Powertrack 60
Technical Data

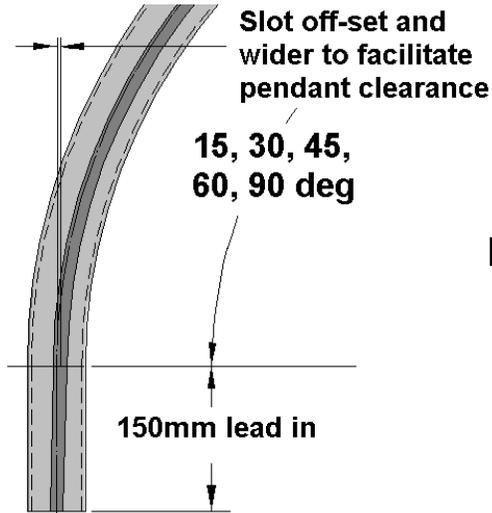


Track clamps

Inspection section



Powertrack 60
Technical Data



Bend detail

