



IDLER

ABOUT US

We take pride in introducing ourselves as one of the leading manufacturers of Belt Conveyor Idlers & Idler Sets in India. DUROMECH dedicated service to the Conveyor industry started in the year 1955. For over 6 decades now, DUROMECH has been manufacturing and supplying Belt Conveyor Idlers & Idler Sets to various industries to provide efficient & economic operation. The company is managed by highly qualified and trained team of engineers, led by Enr.Khyang Thapar , a master's graduate in Industrial engineering. DUROMECH's team strives hard to maintain and a high level of quality and with a vision to constantly improve the same. Our manufacturing facility is setup in Anand Parbat industrial area, New rohthak Road, Delhi. Our manufacturing facility is equipped with sophisticated machinery with to ensure high product quality and with the ability to produce more than 4000 Idlers / month / 8 hour shift.

We are a regular supplier of Belt Conveyor Idlers Sets to M/s.IL&FS., which is one of the major users of Conveyor Idlers in India. Our Idlers work very satisfactorily under tough and impounding conditions found in Mines.



We have been supplying all types of Idlers suitable for Belt widths ranging from 250mm to 2400mm. These conveyor systems have a maximum carrying capacity of 20000 Tph. DUROMECH Idlers are in regular service in various Mines, Thermal power plants, Ports, Cement plants and various other places that require conveyance of bulk material.



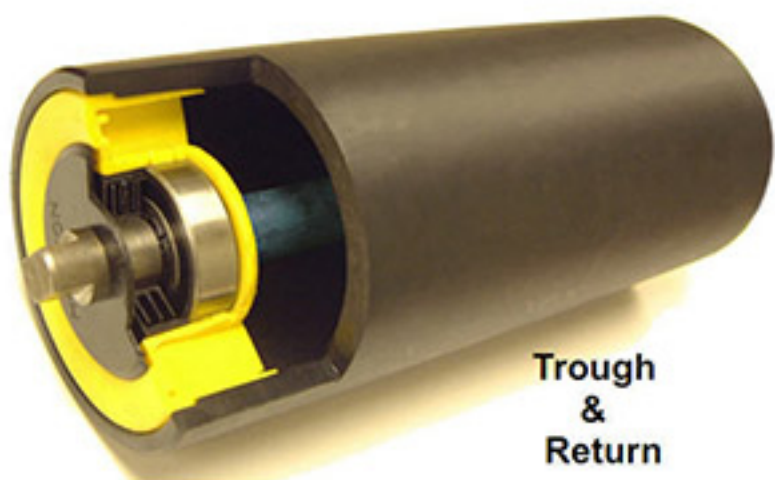
APPLICATIONS

- 1) Mineral & Mining
- 2) Thermal /Coal based Power Plants.
- 3) Cement and Steel Plants
- 4) Salt & Fertilizers
- 5) Crushing & Screening etc



UNIQUE FEATURES

- 1) Minimum rolling weight of idler requires low horse power, thus saving power and energy.
- 2) Guaranteed lowest possible dynamic friction, for smooth rotation.
- 3) Idlers are water/dust proof , hence can be used in any type of environment .
- 4) All idlers are factory sealed requiring no maintenance ,making them very economical.



Trough
&
Return

TYPES

1) CARRYING ROLLER

- Rollers are designed for smooth rotation, low noise, and long service life.
- Diameter range: 75mm to 219 mm, other diameters available on your request.
- Water proof and dust proof.
- Each roller come out through strict inspection and test to ensure high level quality.
- Roller Surface Colour : Any colour as per customer request.



2) IMPACT ROLLER

- Impact rollers are used as carrying rollers instead of normal steel rollers at a loading point.
- On steel roller there are rubber rings assembled, side by side, to absorb the weight and impact of material falling onto the belt.
- At the same time impact rollers reduce the shock and vibration through the steel structure.
- Absorbs weight and shocks. High loading capacity.

3) RETURN ROLLER

- The straight tracking of the belt may be compromised by the type of conveyed material, especially when this material is sticky and thereby adheres easily to the belt surface.
- In this case, material is also deposited on the return rollers that support the belt, adding an irregular addition of scale to the roller itself.



4) TROUGHING CARRYING IDLER

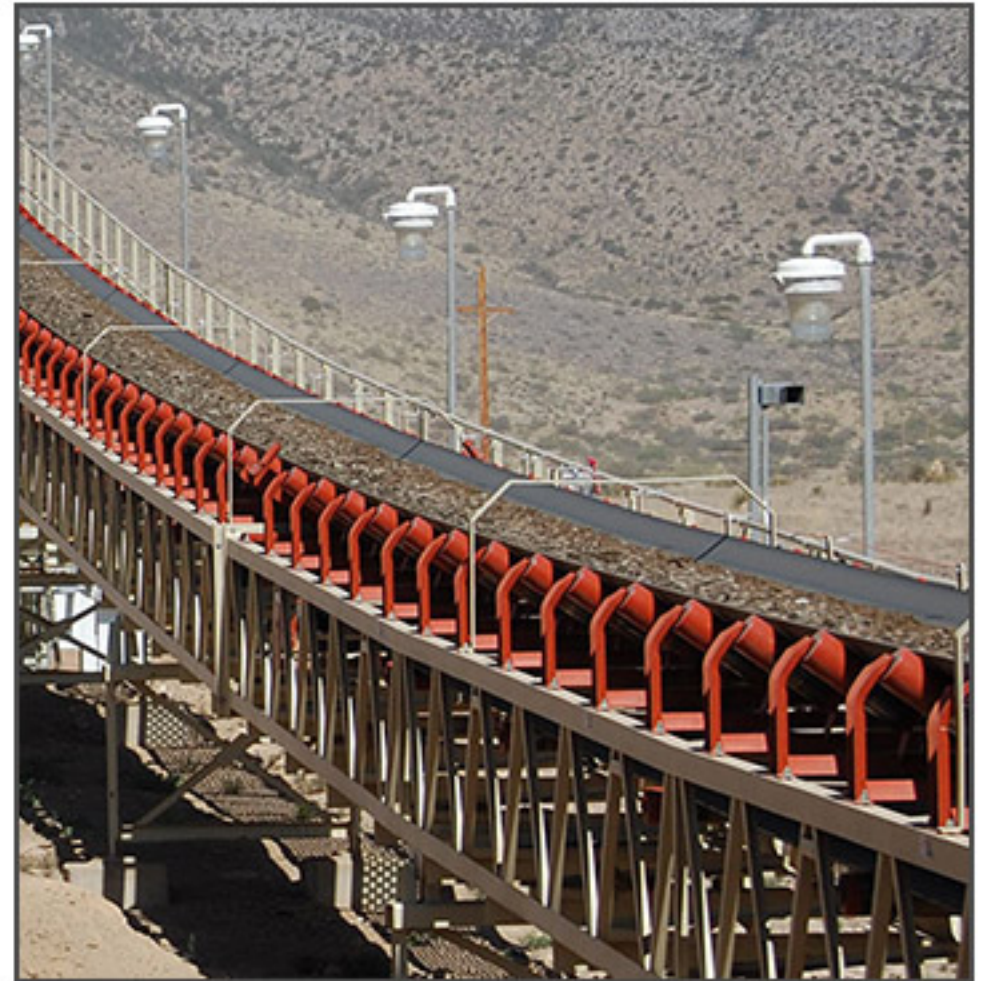
- Troughing idlers are used for conveying bulk materials, and are designed and manufactured with Troughing angles of 20°, 35°, 45°, and any other angle are also manufactured as per customer's design and drawings.

5) TROUGHING IMPACT IDLER

- Troughing Impact Idler are Used under loading points where material impact (lump size, density, height) could damage the belt if no cushion.
- Impact Idler fitted with rubber rings made from natural / Synthetic / Neoprene material. The fixing arrangement and dimension of rings are suitably design for easy replacement and interchange ability which protect the belt by absorbing impact at loading point. 20°, 35° and 45° Trough Angle

6) FLAT RETURN IDLER

- The return idlers which carry the weight of the empty belt in the return side or the lower side of the conveyor are mostly single roller straight idler.



DUROMECH

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