

TR-2 and TR-3 Bulk Materials Conveyors

UNITEL's bulk materials conveyors are heavy duty conveyors used for handling bulk materials such as powders, granules, chemicals and similar items. TR-2 is 2-trough roller and TR-3 is 3-trough roller. Their simple and proven design makes them well suited for the most demanding applications, while a wide range of accessories are available for this family such as impact rollers, training roller supports, side skirts, top and bottom covers, inside and outside scrapers, chutes, hoppers and dust hoods.

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TR-2 and TR-3 Bulk Materials Conveyors

Features

TR-2 trough conveyors use a 2 rollers support for belt widths up to 500 mm.

TR-3 trough conveyors use a 3 roller support for widths from 650 mm to 1200 mm

The rubber belts are welded by hot vulcanizing and can have a smooth or chevron top surface.

Adjustable rollers support and return rollers make belt tracking easy to perform.

Belt take-up and tensioning is easy to do through power screws in the tail unit. Other belt tension units are available upon request.

Characteristics

Rollers are installed on adjustable rollers supports, mounted on a sturdy sheet metal frame.

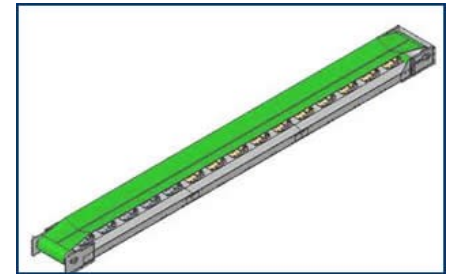
Rollers are 89 mm in diameter, and triple sealed against dust and permanently greased for extended service in adverse conditions.

These conveyors accept several accessories and options such as dust hoods, side skirts, loading hoppers and special supports

Applications.

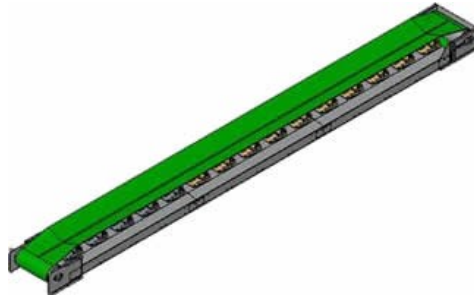
The TR-2 and TR-3 trough conveyors are mainly used for transporting bulk materials in cement, fertilizers, chemical industries, paper industry, food industry and also to transport unit goods such as sacks, and parcels, where it is important to confine them to the center of the conveyor without guides.

These conveyors can be used for lengths of up to 50 meters. Other lengths are custom designed. Please contact UNITEL



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TR-2 and TR-3 Specifications



Loading Capacity	50 tons/h to 400 t/h (depends on material transported and belt width)
Head Pulley Diameter	Ø273 , 406.4 , 508 mm
Take Up Pulley Diameter	Ø273 , 406.4 , 508 mm
Return Rollers Diameter	Ø60 or 89 mm
Return Rollers Pitch	1200 mm.
Idler Roller Diameter	Ø89 mm triple sealed
Idler Roller Pitch	270 mm
Linear Speed (nominal)	20-40-80 m/min
Mains Supply	380VAC 50Hz 3 phase
Motor Power	According to Length
Motor Class	IP 54
Insulation Class	IP 54
Impact Idlers	Same as Support idlers but at 250 to 400 mm spacing.
Number of Idlers per Support	3
Idler Trough Angle	TR-2: 21° to 25° TR-3: 21° to 45°
Belt Materials	2 or 3 ply rubber, Plain or Chevron hot vulcanized welding.
Take-up Distance	Depends on conveyor length from 260 mm

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Dimensions

Standard Width (W) / Preferred Values

W	500 [TR-2]	650 [TR-3]	800[TR-3]	1000[TR-3]	1200[TR-3]
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Options

Floor Supports	Yes
Ceiling Hangers	Yes
Wall Mount	Yes
Head pulley lagging	Yes
Brake Motor	Yes
Bidirectional motion	Yes
Left or Right Side Drive	Yes

Accessories

Inside scraper	Yes
Outside Scrapers	Yes
Emergency Pull Cord	Yes
Self Aligning Carrying Idler	Yes
Discharge hopper	Yes
Loading hopper	Yes
Side Skirts	Yes
Back Stops	Yes
Push Button Station	Yes
Feed (Tail end) Hopper	Yes
Delivery (Head end) Hopper	Yes
Head Pulley Hood	Yes

مكتب القاهرة : برج القاتوينين كورنيش المعادى
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فاكس : ٠٢/٢٥٢٦٤٨٨٨

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