



Standard Belt Conveyors



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Standard Belt Conveyors

Overview

Our compact yet robust belt conveyor is a proven product which is very reliable and easy to install. Ideal for handling most light and medium weight products. They have a very narrow profile and are especially suitable for use in production lines where space is limited. Our conveyors are built using standard modules which enables us to quickly build a conveyor to your specification. They are safe, have a low noise level and have T-slots on both sides for installing guide rails, sensors, etc. There is also a choice of three different drive units.



- Choice of belts.
- Smooth running.
- Lengths: 1 to 5m
- Low maintenance.
- Tee slots for M8 fixings.
- Idler roller diameter 50mm.
- Adjustable side guide option.
- Belt speeds 0.13 to 53m/min.
- Choice of drive configurations.
- Crowned rollers for accurate tracking.
- Drive Roller Diameters 50mm and 63mm
- Stainless steel belt support & side guides.
- Low power requirement conserves energy.
- Backbone 40mm square anodised aluminium extrusion.
- Standard Belt Widths: 40mm, 80mm, 100mm, 200mm, 300mm, 400mm & 600mm.



Standard Belt Conveyors



Fixed Integral Side Guides

- Standard stainless steel side guides
- Integral part of the bed plate
- Increases the stiffness of the bed plate
- Heights: 20 and 40mm



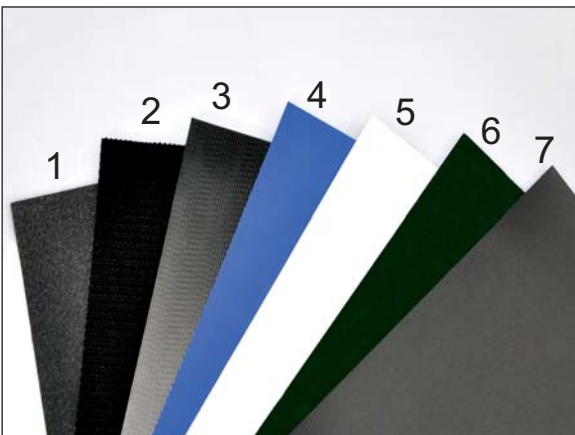
Adjustable Side Guides

- Aluminium extrusion
- Replaceable plastic wear strip
- Adjustable for height and width
- Can be bent to form a lead-in



Belt Guard Option

- Guards the edge of the belt using our special extrusion
- Full underside guarding can also be supplied
- Ensures extra operator safety



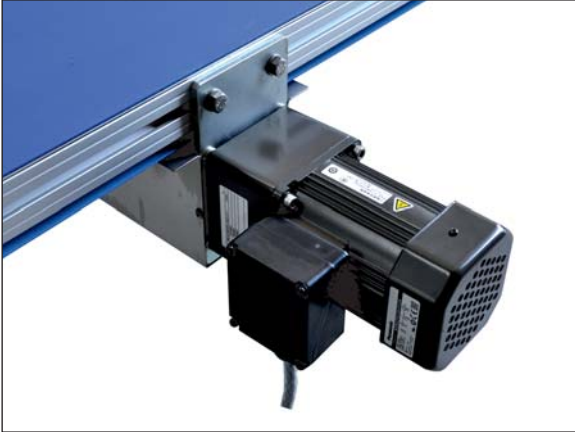
Belts

There are many different belts available. Our top seven are described below.

1. Silon - low grip - flock surface - ideal for delicate parts
2. Black PVC heavy duty course grip belt - ideal for inclines
3. Black ribbed urethane high grip belt - ideal for inclines
4. Blue urethane food quality belt
5. White urethane food quality belt
6. Green smooth PVC general use belt
7. Black smooth urethane general use belt



Standard Belt Conveyors



Centre Drive M1950-CD

This drive can be moved to any position along the length of the conveyor. This enables the conveyor to fit conveniently into restricted spaces.

- Large drive roller diameter of 63mm
- Belt has a large rap around of 255 degrees
- Integral thermal overload trip
- End Roller Diameters: 50mm
- Speed Ranges: 0.13 to 53m/min



End Drive M1950-ED

This conveyor can be used with belt flights and attachments.

- Drive and idler roller 50mm diameter
- Belt Widths: 80 to 600mm
- Lengths: 1m - 5m
- Speed Ranges: 1.4 to 42m/min



Heavy Duty Quick Change Drive

Motors are very reliable but sometimes may need to be changed.

- Motor can be changed with the minimum of down time
- Ideal for use in long production lines
- Choice of SEW or Motorvario geared motors



Controls

- Inverter motor speed controller
- Adjustable ramped acceleration & deceleration
- Frequency indicator
- Simple fault finding codes
- Easy to install and program
- limited number of parameters for an AC drive
- Also available in the IP65 (NEMA 4) version
- Ratings up to 2.2 kW.
- 220v, 110v single phase or 3 phase 220v and 400v
- Comes complete with built-in class A EMI filter

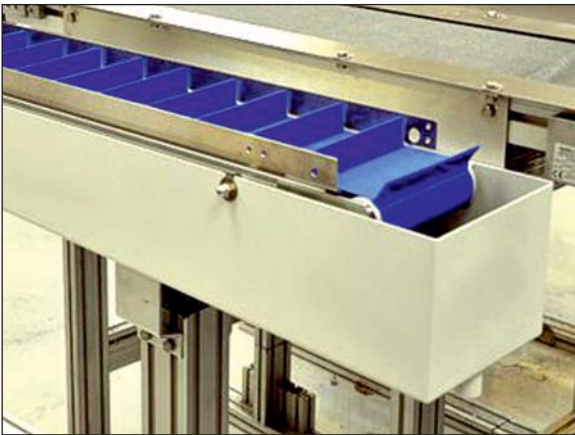


Special Belt Conveyors



In line Flights

- In line flights can be welded to the belt
- Separates the belt into lanes
- Can be used to keep components separate
- Many different profiles and sizes available



Drip Trays

- Oil, cutting fluid etc. can be saved and returned to a tank
- Used on the outlet of machining centres



Integral Belt Edges

- Used where small components could get under the belt
- Also used to keep a liquid on the belt



Belt Bend

- Inner radius 200mm to 1200mm
- Outer radius 600mm to 2200mm
- Stainless steel main frame
- Turning angle 90 or 180 degrees (other angles - phone)
- Belt Widths: 300mm, 400mm & 600mm.
- Speed Range 1.4 to 20m/min
- Load up to 10kg/sqm
- Food standards FDA/USDA



Special Belt Conveyors



Small Conveyors

- Conveyor shown is only 300mm long
- Used in automatic machines
- We can design special conveyors to your specification



Split Belt Conveyor

- Suitable for "headed" components



Multi-Lane Conveyors

- Used for conveying high volumes of components
- Driven from one motor



Belt Flights

- Belt flights can be welded to the belt
- Ideal for separating products
- Can be used for collating groups of products
- Many different profiles and sizes available
- Used on inclined conveyors and elevators



Example:

Standard Belt Conveyor M1950-CD

Centre Drive - End Roller size 50mm Ø

Backbone 40mm x 40mm extruded anodised aluminium section.

Stainless steel side guides 20mm high.

Standard belt width 80 to 600mm.

Belt support plate stainless steel.

Motors 230v or 415v/3ph/50hz 90W.

Thermal overload protection switch.

Belt speeds 0.13 to 53m/min.

Terminal box to IP54

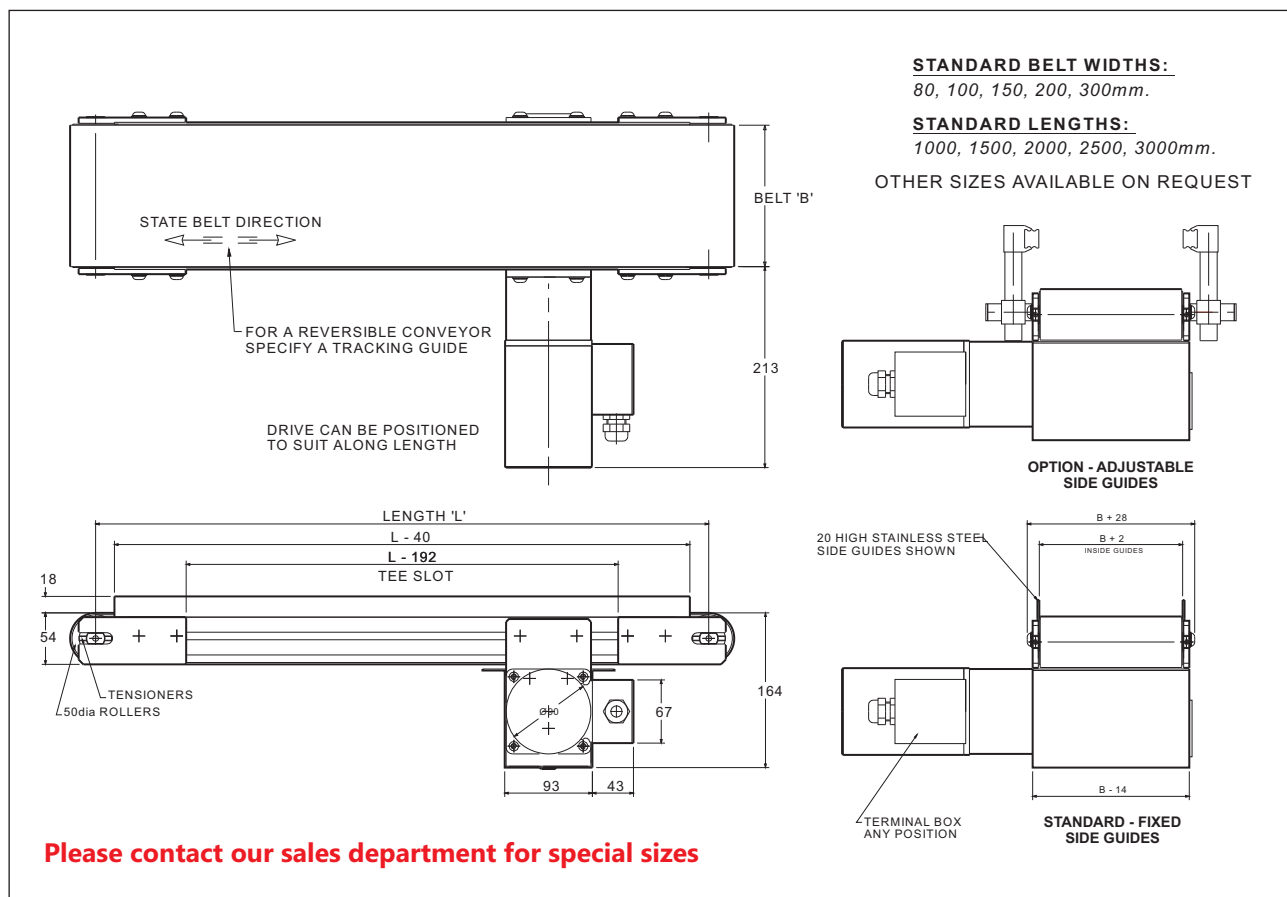
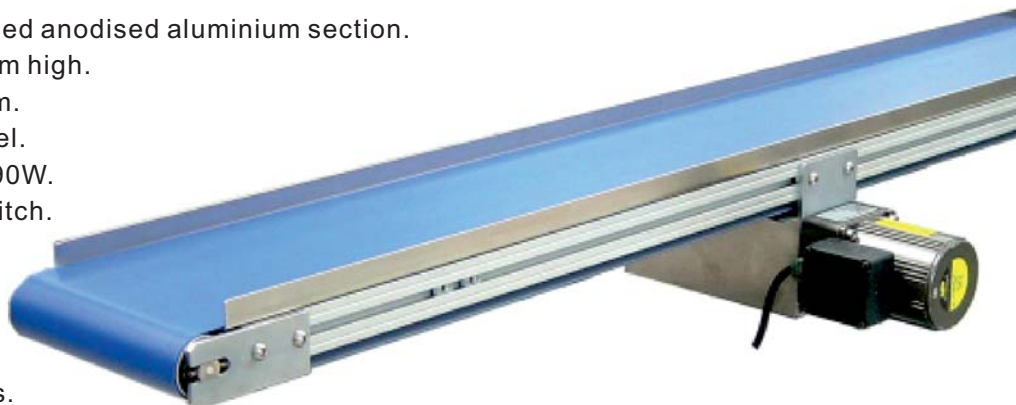
Tee slots for M8 fixings

Continuous rating.

Options: Adjustable side guides.

Food quality belt option blue or white.

Variable speed.



FIXED SPEEDS

BELT SPEED M/min
53
44
35*
26
22*
17
13*
11
9*
5*
3.5*
2.6*
2.2
1.7
1.3

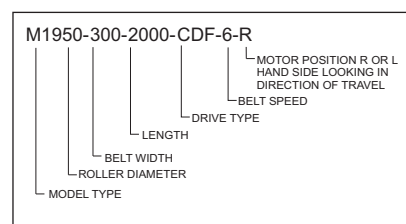
VARIABLE SPEED

BELT SPEED M/min	
MIN	MAX
5.4	55
4.6	45
3.6	36*
2.7	27
2.2	23*
1.8	18
1.4	14*
1.1	11
0.9	9*
0.5	5.4*
0.4	3.6*

NOTES:

- * PREFERRED SPEEDS.
- MANY OTHER SPECIFICATIONS ARE AVAILABLE.

ORDERING EXAMPLE



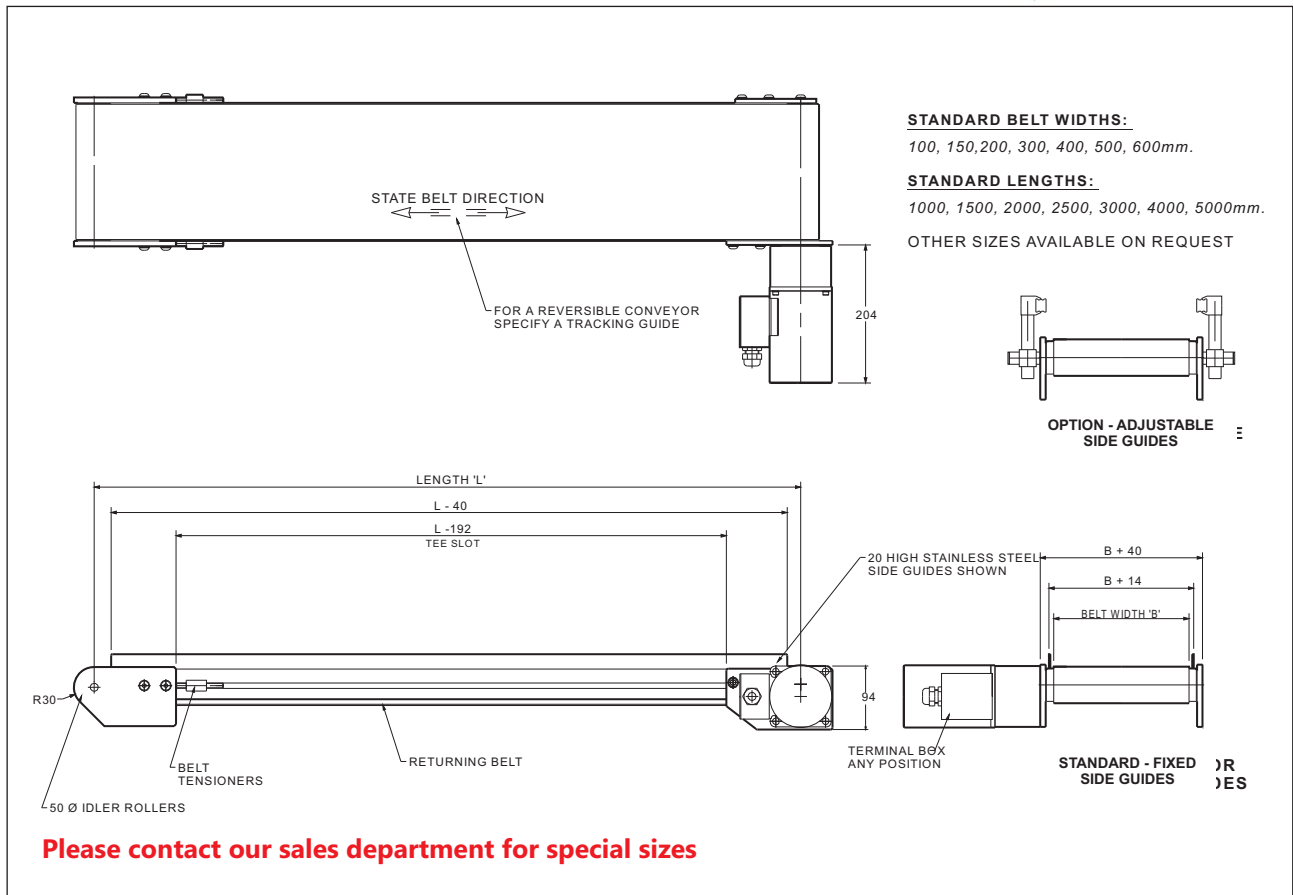


Example:

Standard Belt Conveyor M1950-ED

End Drive - End Roller size 50mm Ø

- Standard belt widths 80 to 600mm.
- Standard Lengths 1 to 5 meters.
- Backbone 40mm square extruded section.
- Tee slots for M8 fixings
- Bed plate stainless steel.
- Optional stainless steel side guides.
- Motors 230v 90W or 415v/3ph/50hz 90W.
- Thermal overload protection switch.
- Continuous rating.
- B class insulation & terminal box to Ip54.
- Belt speeds from 0.1m.min to 26m/min.
- Variable speed option.
- Food quality belt option - blue or white.



FIXED SPEED

BELT SPEED M/min
42*
35*
28*
21
18*
14
10*
8
7*
4*
2.8*
2.1
1.7
1.4

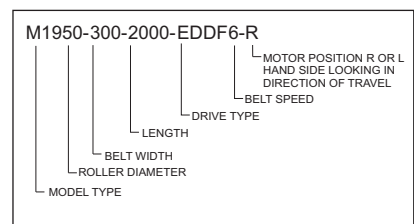
VARIABLE SPEED

BELT SPEED M/min	
Min	Max
8*	42*
7*	35*
6*	28*
4	21
18*	18*
3.6	14
2.0*	10*
1.6	8
1.4*	7*
0.8*	4*
0.4*	2.8*
0.4	2.1
0.3	1.7
0.2	1.4

NOTES:

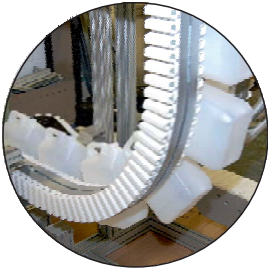
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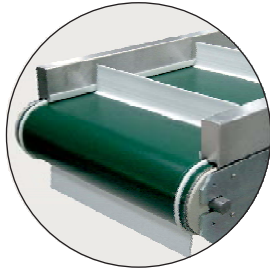




Conveyors & Handling Equipment Examples



Grip Conveyors



Special Flat Belts



Mat Top Conveyors



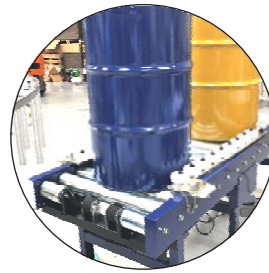
Hand Assembly Stations with Rotating Storage Tables



Carton Handling Conveyors



Escapements



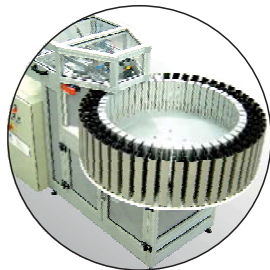
Special Roller Conveyors



Rotating Storage Tables



Roller Conveyor Diverter Units



Indexing Buffer Stores



Elevators - Plastic or Stainless Steel



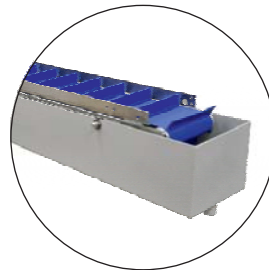
Lifts to Overhead Conveyors



Multi-Lane Flat Belt Conveyors



Ready Made Meal Conveyors



Conveyors With Liquid Return Troughs



Fruit Packing Lines

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