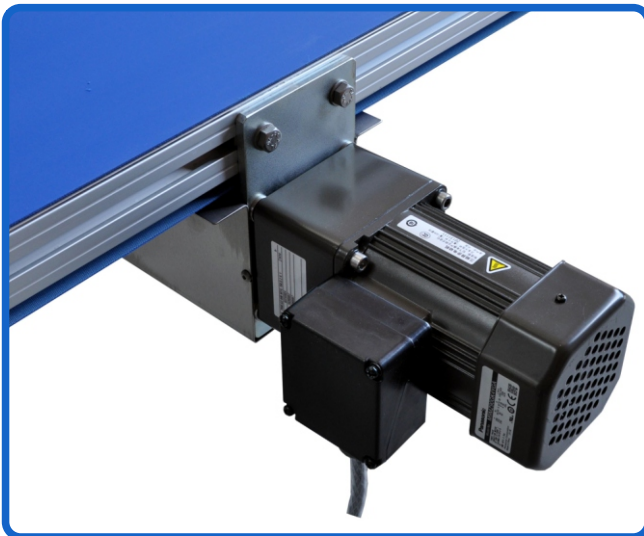
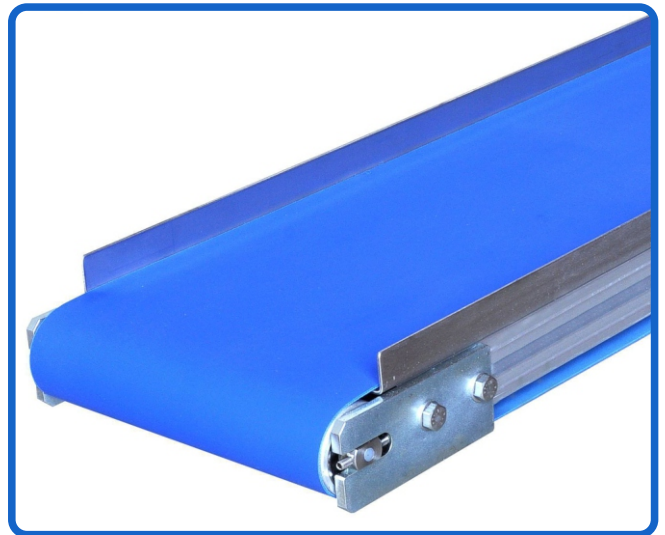
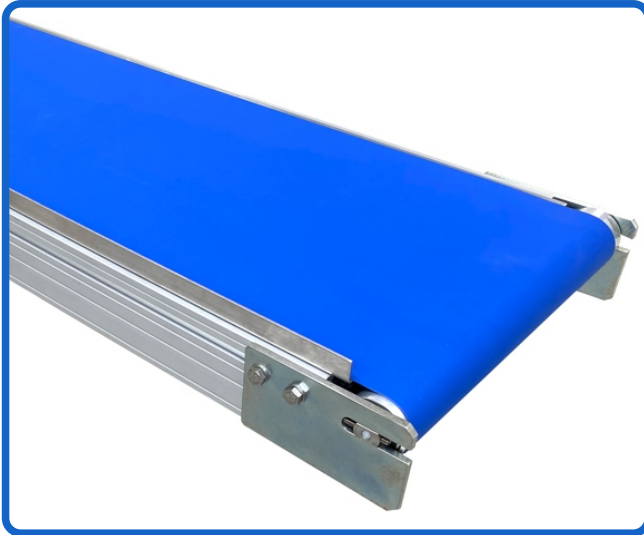


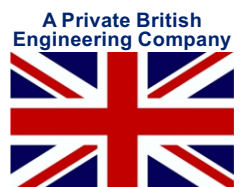
Belt Conveyors



**Choose the most suitable belt conveyor for
your project from our large range for a total
solution**

MONK Conveyors Limited

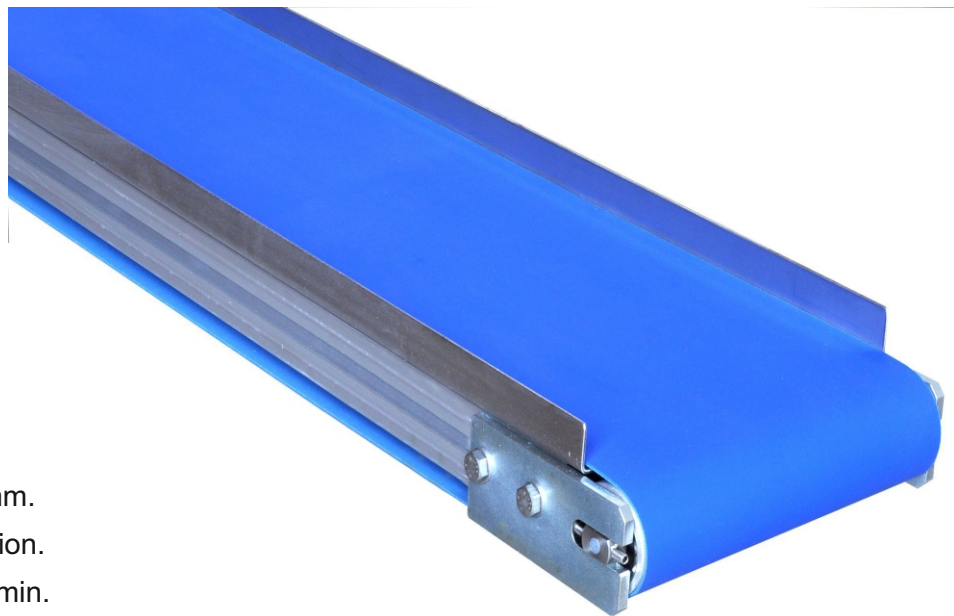
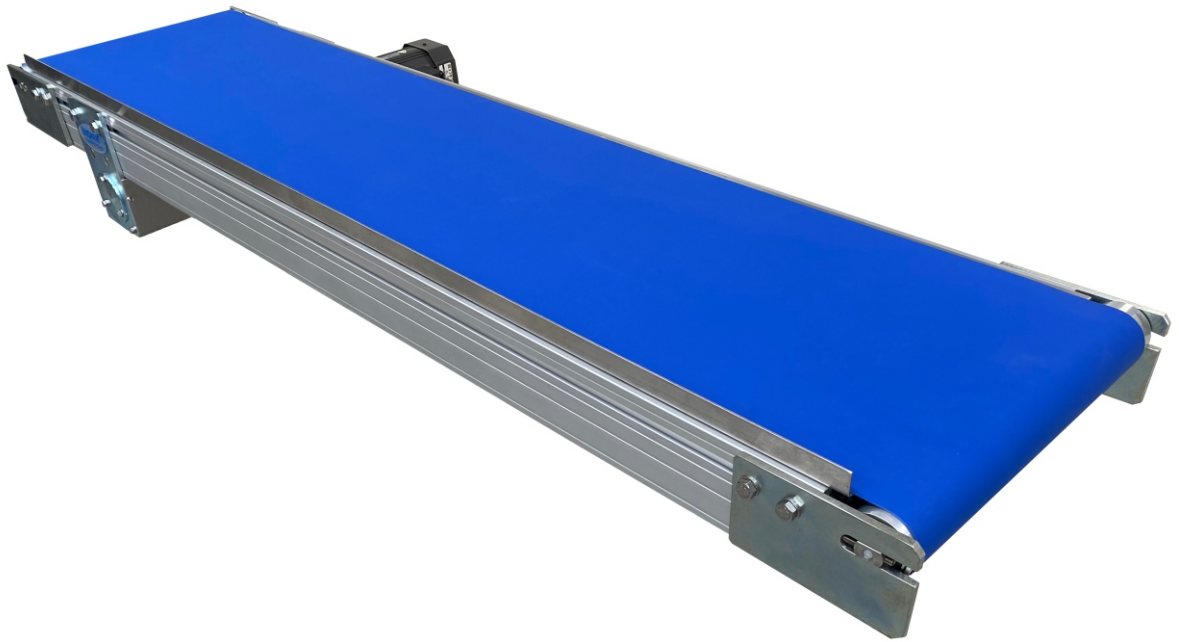
Unit 9, The Christy Estate, Ivy Road, Aldershot, Hampshire GU12 4TX
Tel: +44(0)1252 369800 Fax: +44(0)1252 369801 Email: sales@monk-conveyors.co.uk
Visit our website at: www.monk-conveyors.com





Belt Conveyors - Overview

Our conveyors are very robust and reliable. The design uses large high quality bearings in all areas. They have been in constant use in many factories for the last 20 years. 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 easy to install, 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. We have our own aluminium extrusion which we can use to build bespoke support frames for our customers.



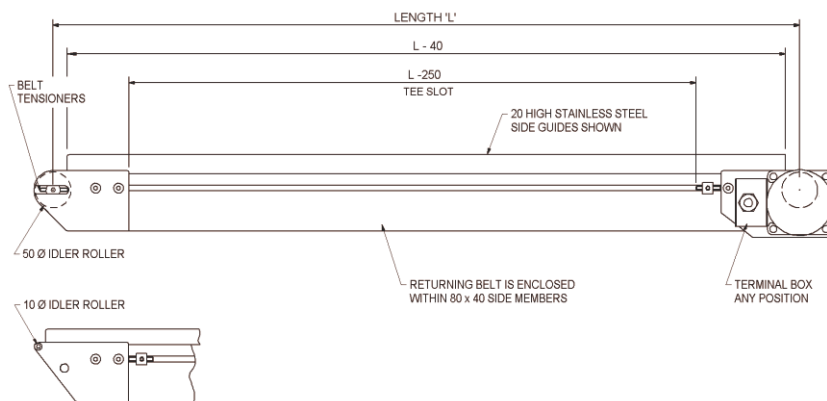
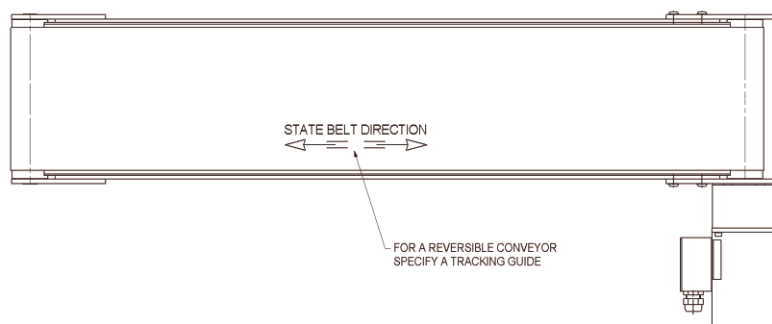
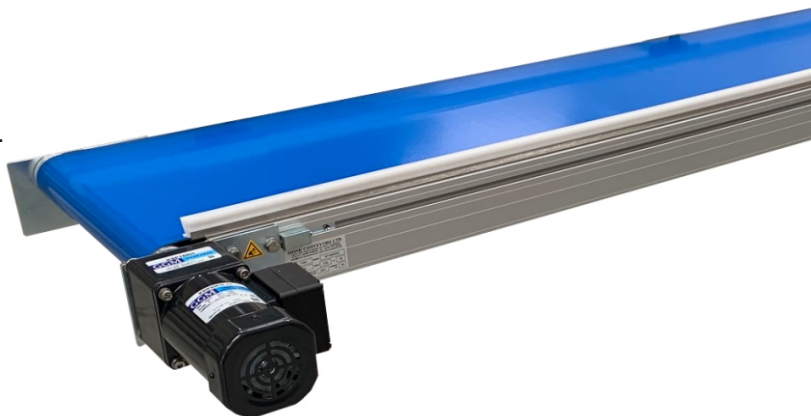
- Smooth running.
- Low maintenance.
- Lengths: 1 to 10m.
- Wide choice of belts.
- Tee slots for M8 fixings.
- Idler roller diameters 50mm.
- Adjustable side guide option.
- Belt speeds 0.14 to 42m/min.
- Choice of drive configurations.
- Knife-Edge with 10mm roller option.
- Crowned rollers for accurate tracking.
- Stainless steel belt support & side guides.
- Low power requirement conserves energy.
- Backbone 80 x 40mm anodised aluminium extrusion.
- Standard Belt Widths: 75mm, 150mm, 200mm, 300mm, 400mm & 600mm.



Belt Conveyor MT1950-EDD

End Drive Direct - Roller size 50mm Ø

Standard belt widths 75 to 600mm.
Standard Lengths 0.5 to 10 meters.
Backbone 40 x 80mm extruded section.
Tee slots for M8 fixings side & underside.
Bed plate stainless steel.
Optional stainless steel side guides.
Motors 230v 90W or 415v/3ph/50hz 90W.
Thermal overload protection switch.
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.



'KNIFE-EDGE' OPTION
WITH 10mm ROLLER

STANDARD BELT WIDTHS:

80, 150, 200, 300, 400, 500, 600mm.

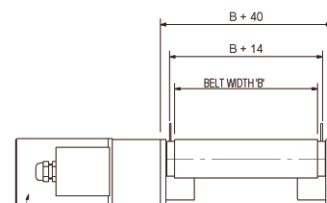
STANDARD LENGTHS:

1000, 1500, 2000, 2500, 3000, 4000, 5000mm.

OTHER SIZES AVAILABLE ON REQUEST



ADJUSTABLE SIDE
GUIDES OPTION



STANDARD CONVEYOR
WITH FULLY GUARDED BELT
AND FIXED SIDE GUIDES

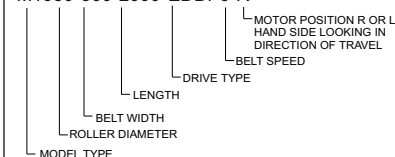
BELT SPEED M/min
42*
35*
28*
21
18*
14
10*
8
7*
4*
2.8*
2.1
1.7
1.4

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:

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

M1950-300-2000-EDDF6-R

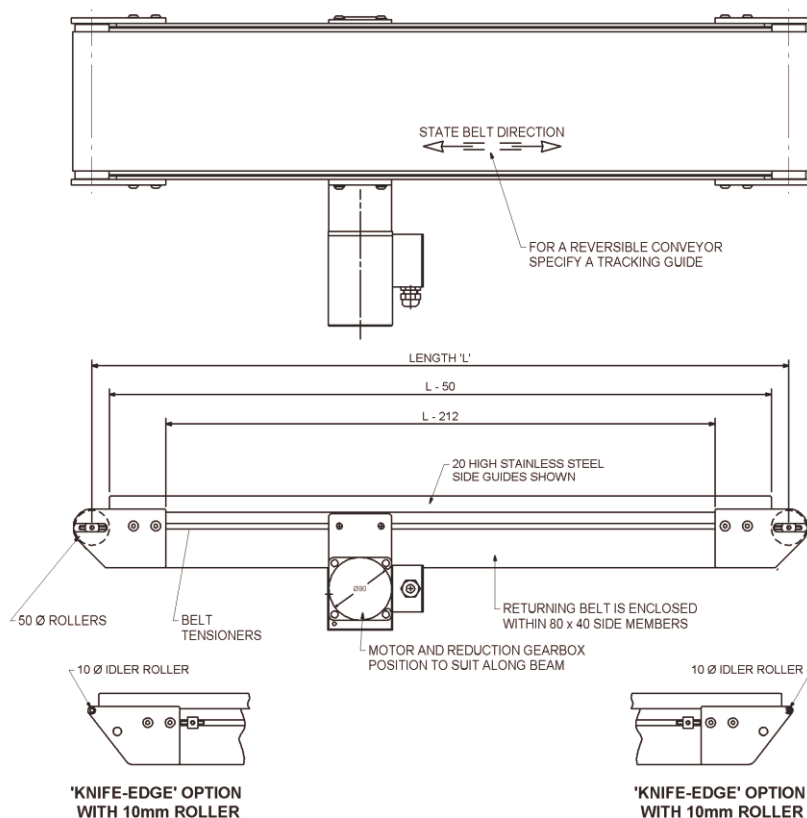
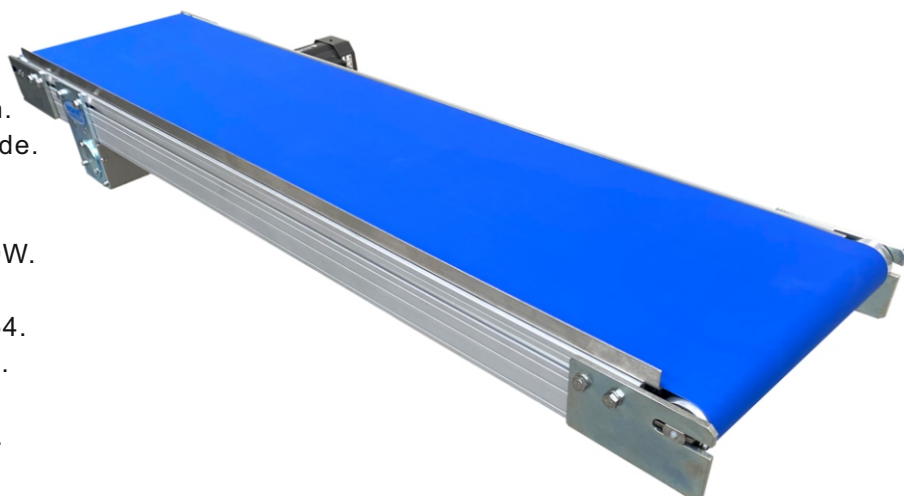




Belt Conveyor MT1950-CD

Centre Drive - End Roller size 50mm Ø

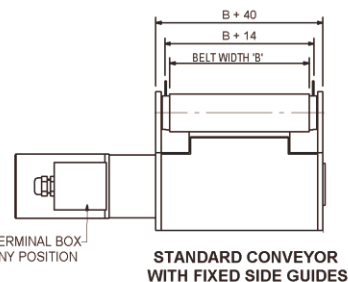
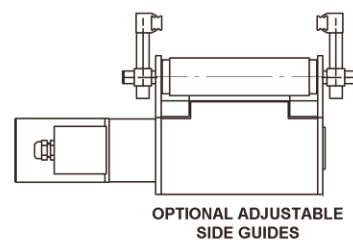
Standard belt widths 75 to 600mm.
Standard Lengths 0.5 to 10 meters.
Backbone 40 x 80mm extruded section.
Tee slots for M8 fixings side & underside.
Bed plate stainless steel.
Optional stainless steel side guides.
Motors 230v 90W or 415v/3ph/50hz 90W.
Thermal overload protection switch.
B class insulation & terminal box to Ip54.
Belt speeds from 0.1m.min to 26m/min.
Variable speed option.
Food quality belt option - blue or white.



STANDARD BELT WIDTHS:
75, 150, 200, 300, 400, 500, 600mm.

STANDARD LENGTHS:
0.5m to 10m.

OTHER SIZES AVAILABLE ON REQUEST



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

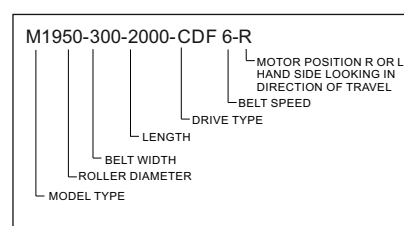
BELT SPEED M/min	
MIN	MAX
5.4	55
4.6	45
3.6	36*
2.7	27
2.2	23*
1.8	18
1.4	14*
1.1	11
0.9	9*
0.5	5.4*
0.4	3.6*

NOTES:

1). * PREFERRED SPEEDS.

2). MANY OTHER SPECIFICATIONS ARE AVAILABLE.

ORDERING EXAMPLE

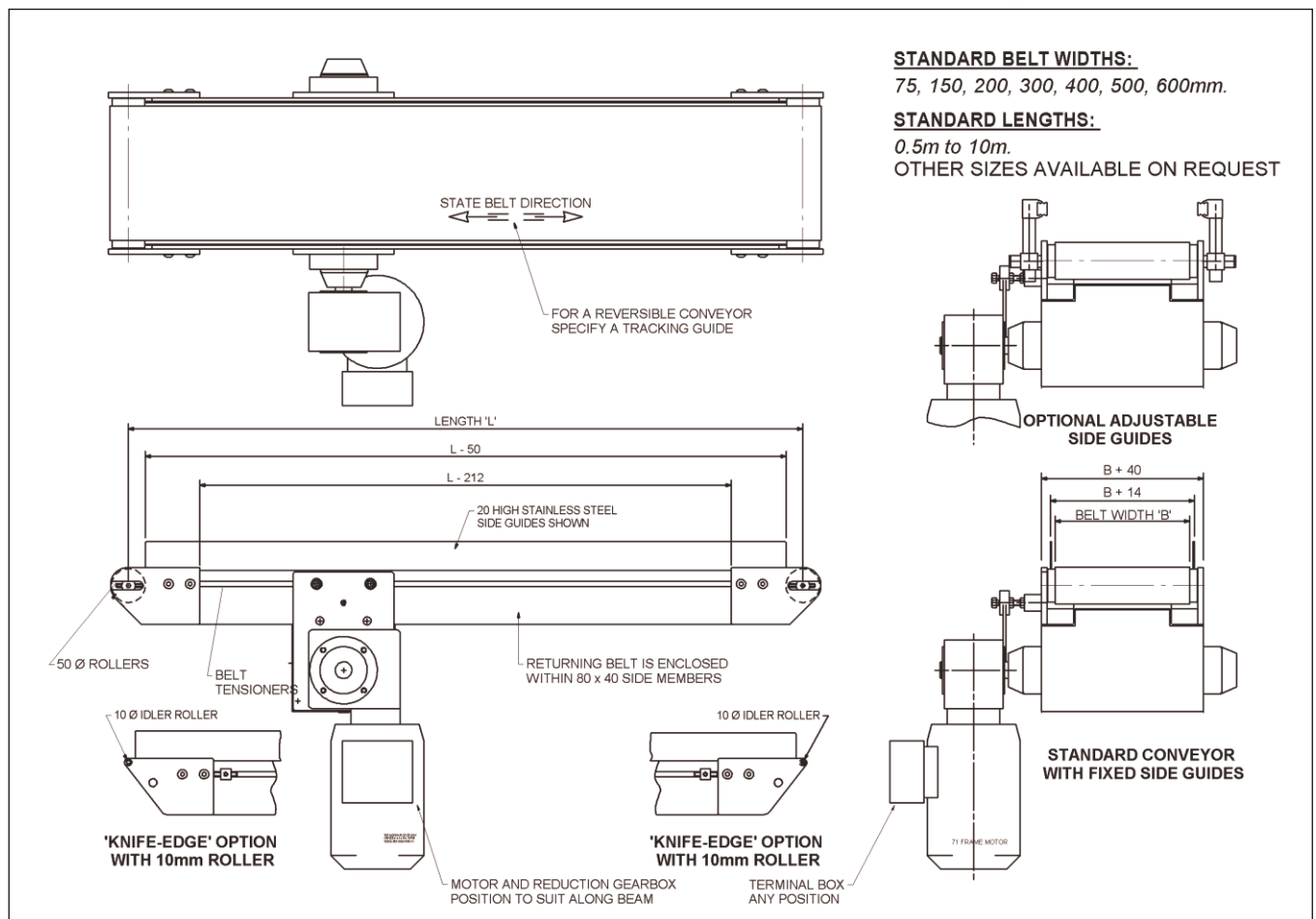




Belt Conveyor MT1950-CDH

Heavy Duty Centre Drive - End Roller size 50mm Ø

Standard belt widths 75 to 600mm.
Standard Lengths 0.5 to 10 meters.
Backbone 40 x 80mm extruded section.
Tee slots for M8 fixings side & underside.
Bed plate stainless steel.
Optional stainless steel side guides.
Motors 230v or 415v/3ph/50hz.
Thermal overload protection switch.
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.



STANDARD BELT WIDTHS:

75, 150, 200, 300, 400, 500, 600mm.

STANDARD LENGTHS:

0.5m to 10m.

OTHER SIZES AVAILABLE ON REQUEST

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

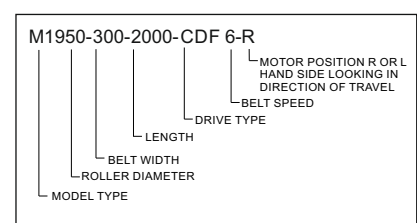
BELT SPEED M/min	
MIN	MAX
5.4	55
4.6	45
3.6	36*
2.7	27
2.2	23*
1.8	18
1.4	14*
1.1	11
0.9	9*
0.5	5.4*
0.4	3.6*

NOTES:

1). * PREFERRED SPEEDS.

2). MANY OTHER SPECIFICATIONS ARE AVAILABLE.

ORDERING EXAMPLE

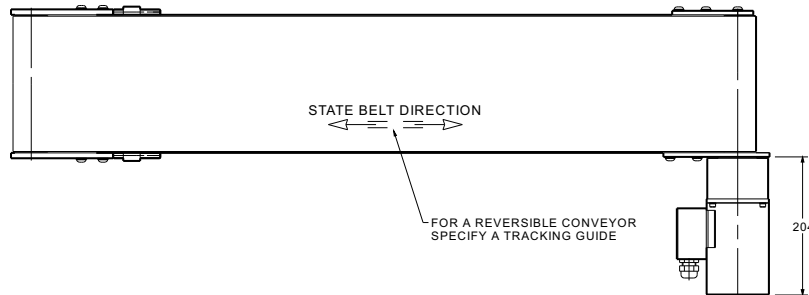
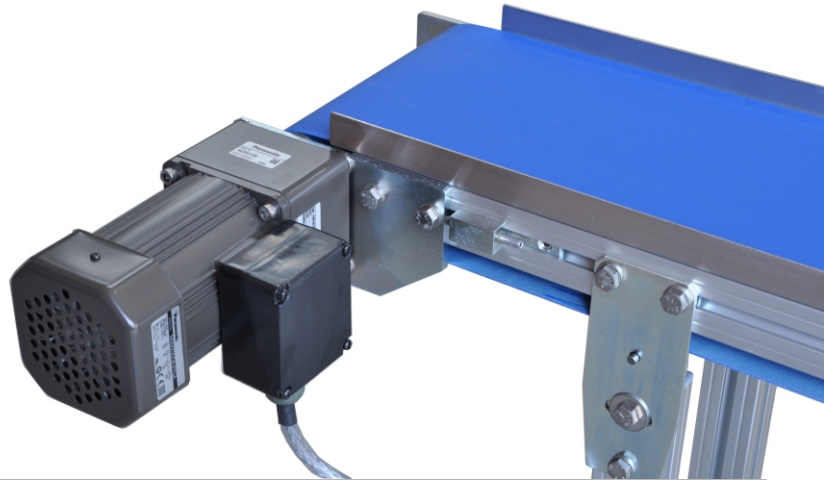




Belt Conveyor M1950-EDD

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 90V
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.



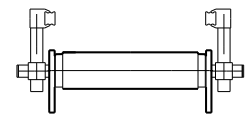
STANDARD BELT WIDTHS:

100, 150, 200, 300, 400, 500, 600mm.

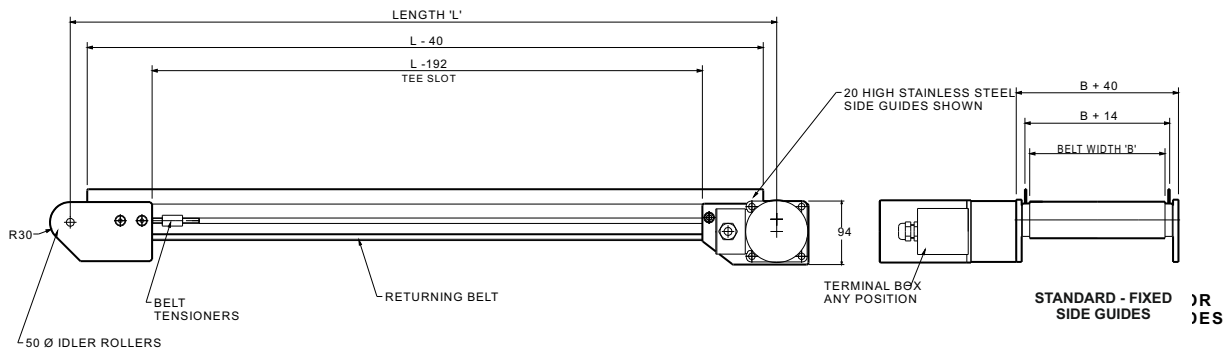
STANDARD LENGTHS:

1000, 1500, 2000, 2500, 3000, 4000, 5000mm.

OTHER SIZES AVAILABLE ON REQUEST



OPTION - ADJUSTABLE
SIDE GUIDES



FIXED SPEED

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

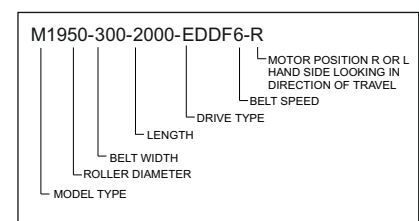
VARIABLE SPEED

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:

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

ORDERING EXAMPLE





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

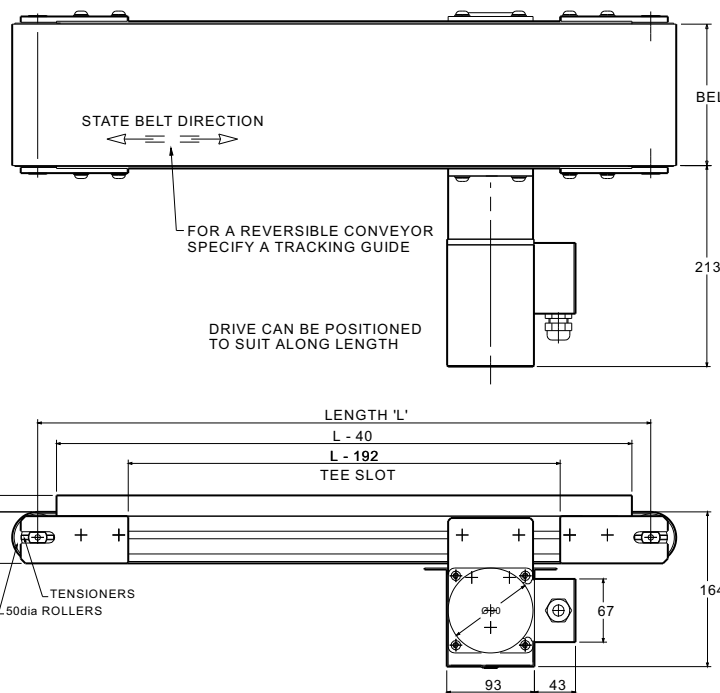
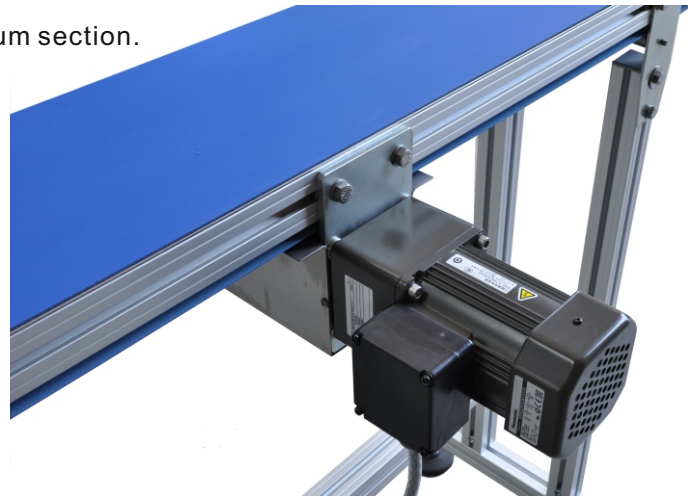
Tee slots for M8 fixings

Continuous rating.

Options: Adjustable side guides.

Food quality belt option blue or white.

Variable speed.



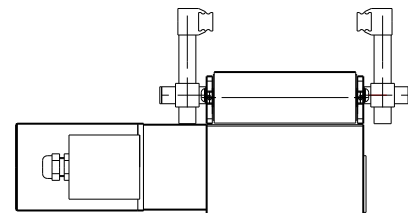
STANDARD BELT WIDTHS:

80, 100, 150, 200, 300mm.

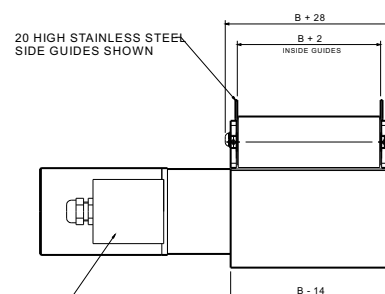
STANDARD LENGTHS:

1000, 1500, 2000, 2500, 3000mm.

OTHER SIZES AVAILABLE ON REQUEST



OPTION - ADJUSTABLE
SIDE GUIDES



Please contact our sales department for special sizes

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

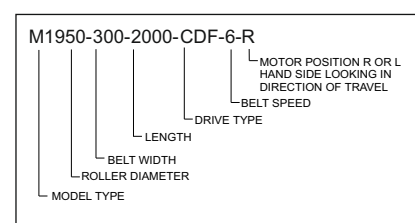
BELT SPEED M/min	
MIN	MAX
5.4	55
4.6	45
3.6	36*
2.7	27
2.2	23*
1.8	18
1.4	14*
1.1	11
0.9	9*
0.5	5.4*
0.4	3.6*

NOTES:

1). * PREFERRED SPEEDS.

2). MANY OTHER SPECIFICATIONS
ARE AVAILABLE.

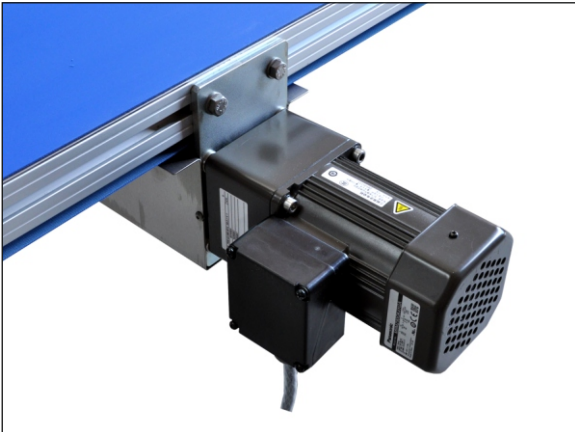
ORDERING EXAMPLE





Belt Conveyor Drives & Controls

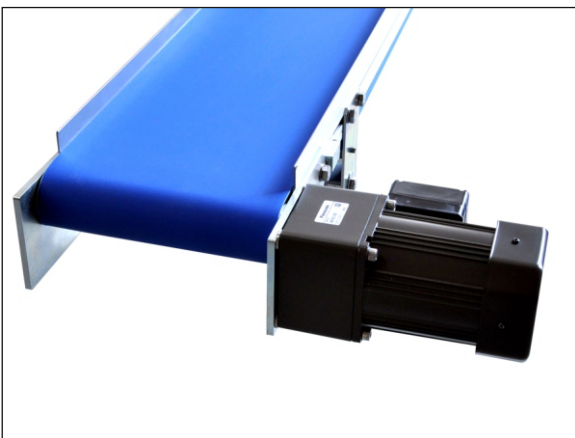
Three standard drives are available



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.

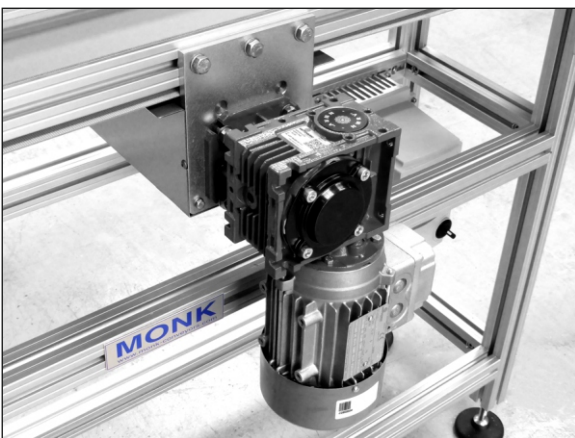
- Large drive roller diameter of 63mm
- Belt has a large rap around of 255 degrees
- Integral thermal overload trip
- End Roller Diameters: 50mm
- Speed Ranges: 0.13 to 53m/min



End Drive M1950-EDD

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

We can supply belts for all types of component



Small Conveyors

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



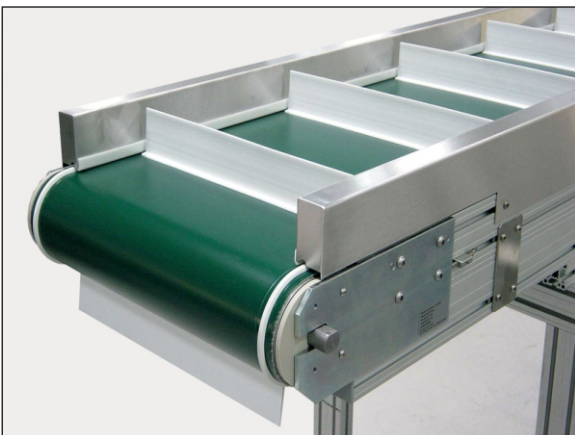
Split Belt Conveyor

- 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



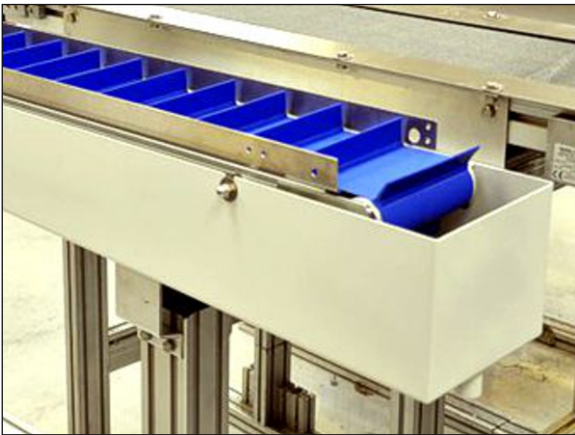
Special Belt Conveyors

We can supply belts for all types of component



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



MONEX⁴⁰ Frame Building System



Our conveyors can be supported on our MONEX⁴⁰ support frames.

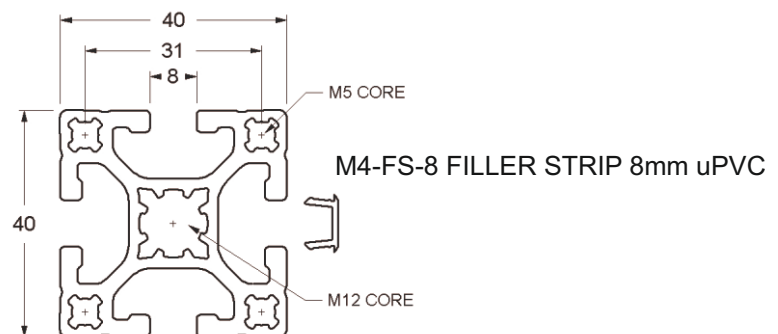
This is high quality aluminium extrusion at a reasonable cost.

It is very adaptable and gives exceptional rigidity.

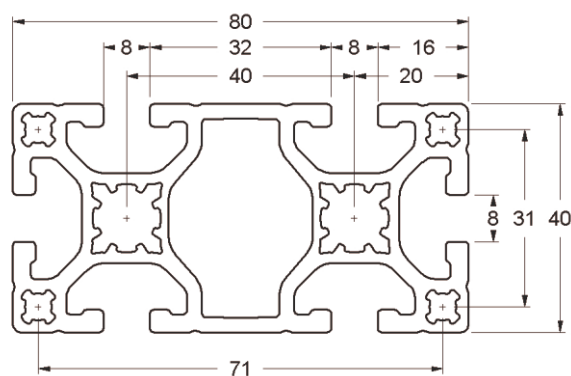
Available in three sizes 40mm square, 40 x 80mm and 80mm square sections.

It is easy to assemble using our comprehensive range of fittings and accessories.

M44 EXTRUSION 40 x 40mm



M48 EXTRUSION 40 x 80mm





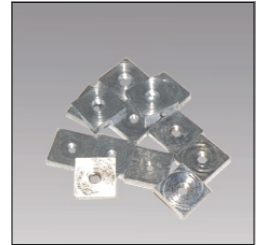
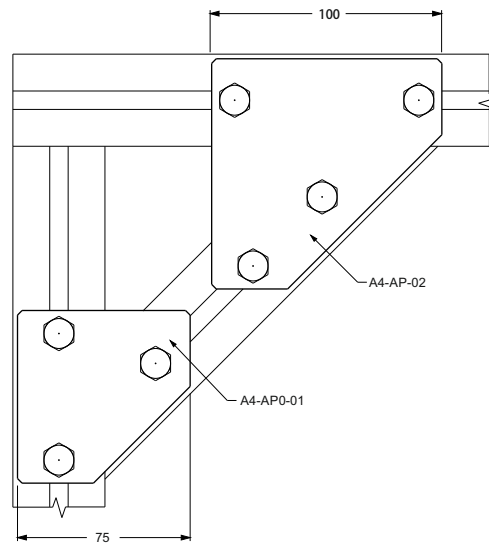
MONEX⁴⁰ Frame Building System

Angle Plates

ANGLE PLATES

Two angle plates used with 45 degree strut.

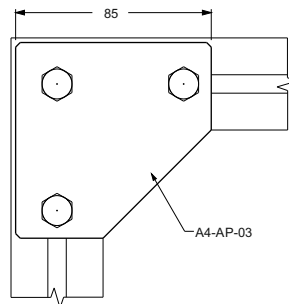
Anodised aluminium
3mm thick with
M8 fixings.



ANGLE PLATES

Used for corners with heavy loads.

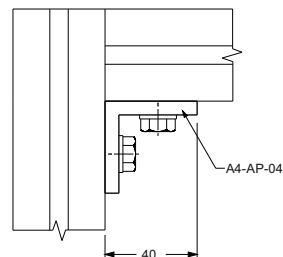
Anodised aluminium
3mm thick with M8 fixings.



ANGLE PLATE

Used when external panels are fitted.

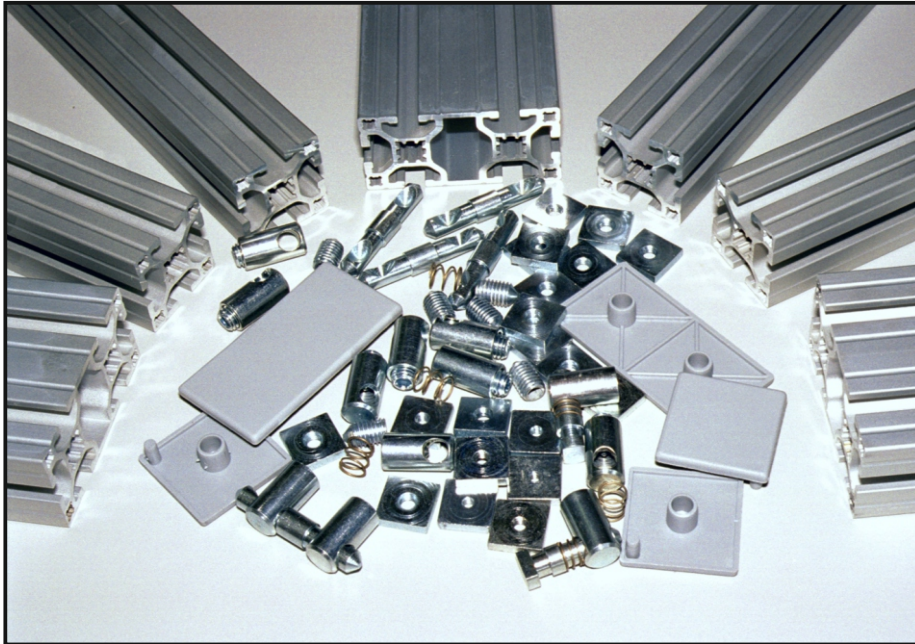
Anodised aluminium
3mm thick with M8 fixings.





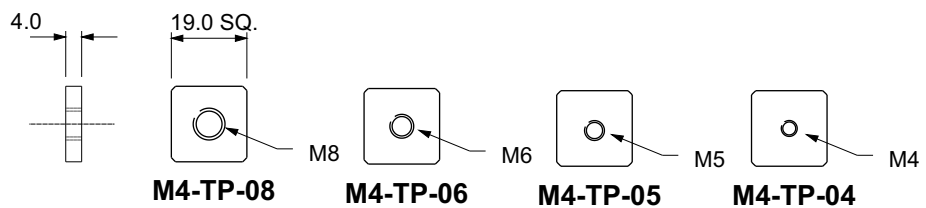
MONEX⁴⁰ Frame Building System

Nuts, Caps & Feet



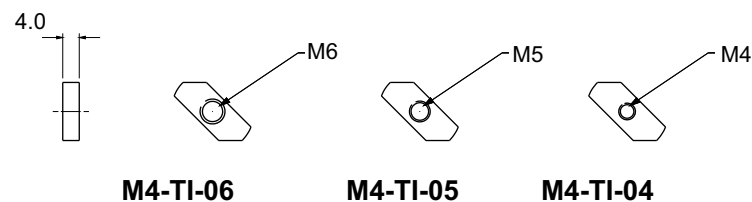
PLAIN NUTS

Slide into extrusion tee slots



TWIST-IN NUTS

Can be fitted after frame has been assembled

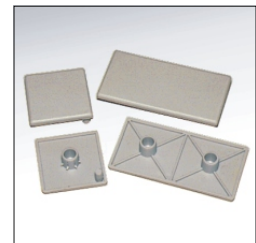


END CAPS

High impact plastic.

M4-EC-40 for M44 section

M4-EC-80 for M48 section



SWIVEL FOOT

M12-80-125 M12 thread x 125 long x 80 diameter

M12-50-125 M12 thread x 125 long x 50 diameter

CASTER

M4-CL-75 75 diameter - locking

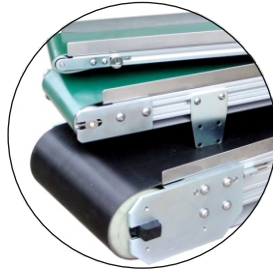




Other Items in our range



FlexChain Conveyors



Flat Belt Conveyors



Mat Top Conveyors



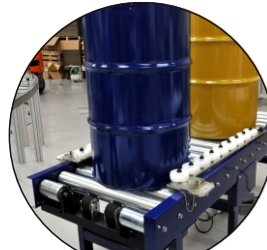
Grip Conveyors



Heavy Duty Trough Conveyors



Food Quality Conveyors



Special Roller Conveyor



Rotating Storage Tables



Roller Conveyors



Indexing Buffer Stores



Elevators - Plastic or Stainless Steel



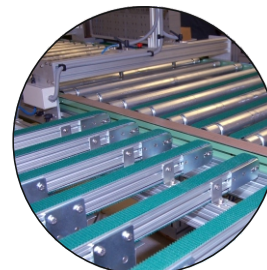
Luggage Handling Conveyors



Multi-Lane Flat Belts



Ready Made Meal Conveyor Line



Sheet Panel Transfer Unit



Fruit Packing Line

MONK Conveyors Limited

Unit 9, The Christy Estate, Ivy Road, Aldershot, Hampshire GU12 4TX
Tel: +44(0)1252 369800 Fax: +44(0)1252 369801 Email: sales@monk-conveyors.co.uk
Visit our website at: www.monk-conveyors.com

