Flat belt conveyors
FRENCH INDUSTRIAL LEADER

elcom has brought innovating solutions to the industry. Our approach offers a complete freedom of design thanks to a unique range of flat belt conveyor and modular transfer systems.

EXCLUSIVE item PARTNER

Our partnership with the German company item since 1986 has opened a large expertise field and a worldwide recognized network. elcom’s flat belt conveyor design, constructed from item’s range of profiles, enables a great modularity.

GEOGRAPHICAL PRESENCE

<table>
<thead>
<tr>
<th>Europe</th>
<th>Denmark</th>
<th>North America</th>
<th>South America</th>
<th>Australia</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>Finland</td>
<td>USA</td>
<td>Canada</td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td>Norway</td>
<td></td>
<td>South America</td>
<td></td>
</tr>
<tr>
<td>Italy</td>
<td>Sweden</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benelux</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spain</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Asia</th>
<th>China</th>
<th>India</th>
<th>Malaysia</th>
<th>Singapore</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Europe</th>
<th>Denmark</th>
<th>North America</th>
<th>South America</th>
<th>Australia</th>
</tr>
</thead>
<tbody>
<tr>
<td>France</td>
<td>Finland</td>
<td>USA</td>
<td>Canada</td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td>Norway</td>
<td></td>
<td>South America</td>
<td></td>
</tr>
<tr>
<td>Italy</td>
<td>Sweden</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benelux</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spain</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Asia</th>
<th>China</th>
<th>India</th>
<th>Malaysia</th>
<th>Singapore</th>
</tr>
</thead>
</table>

COMPLETE RANGE AND NEW PRODUCTS

Our creations result from a large range of products which is regularly enlarged by novelties. They offer unlimited possibilities in terms of industrial modularity.

SERVICES

- Strong production capacity and very high reactivity
- Important stock, fast delivery
- Preparation for kit delivery
- Assembly of complete sets
- Quotations based on customers’ drawings and sketches
- Technical advice
- CAD files library
- Fast prototype abilities

www.elcom-automation.com
**Conveyors**

*elcom*’s flat belt conveyor design, built from *item*’s range of profiles enables a great modularity.

Our conveyors allow to convey unique parts and individual packagings but also bulk products thanks to a tightened conveying belt on a frame by means of pulleys of dimensions 20 to 90 mm.

*elcom* provides conveyors with:

- flat belt,
- timing belt,
- modular belt,
- rollers.

The perfect complementarity between flat belt conveyors, profiles and transfer system will facilitate the solving and realization of your ideas.
Conveyor 20 Flat belt
Page 10
Central drive

Conveyor 40 Flat belt
Page 16
Central drive
End drive
End drive, motor below

Conveyor 40 Double flat belt
Page 24
Central drive, external motor
Central drive, internal motor
End drive

Conveyor 40 Timing belt
Page 32
Central drive
End drive
End drive, motor below

Conveyor 40 Double timing belt
Page 40
Central drive, external motor
Central drive, internal motor
End drive
Conveyor 40 Inclined
Page 48
End drive

Conveyor 80 Flat belt
Page 56
End drive 90 W
End drive 250 W
End drive, fixed motor

Conveyor 90 Flat belt
Page 62
End drive
End drive, motor below

Conveyor 90 Motorized drum
Page 68
End drive

Conveyor 90 Timing belt
Page 72
End drive
Conveyor 90 Double timing belt
Page 76
End drive

Conveyor modular belt
Page 80
End drive

Conveyor with non driven rollers
Page 84
Straight line
Curved

Conveyor with motorized rollers
Page 90
Straight line
Curved
Accessories
Page 96

Belts
Motors
Extremity Ø 21 mm
Plates
Lower belt supports
Lateral guides
Conveyor stands
Fastening plate

Special conveyors
Applications
Page 109

Conveyor determination sheet
Page 114
**elcom** flat belt conveyors are divided into 4 ranges depending on the diameter of pulleys: **20, 40, 80 and 90 mm.**

**Conveyor 20:**
Compact conveyor made from profiles basis 5, width 20 mm for very small and light components.

**Conveyor 40:**
Compact conveyor compact from profiles basis 8, width 40 mm for all kinds of components.

**Conveyor 80:**
Compact conveyor made from item’s profile range, width 80 mm dedicated to the conveying of light and bulky loads.

**Conveyor 90:**
Compact conveyor made from item’s profile range basis 8, width 90 mm for heavy, high-volume components.

Conveyors are available with **flat belt, timing belt, modular belt** or **rollers**, following your requirements.

With:
- central drive
- end drive
- motor below
- external motor
- internal motor
- single belt
- double belt
- multi-belt
- rollers
- straight line
- curved
- inclined
- cleated belt
- accessories

**Width from 20 to 1 000 mm and center distance 300 to 6 000 mm.**

**Possible adaptation on request.**
## Overview of standard conveyors by type of belts

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Accumulation</td>
<td>Accumulation</td>
<td>Accumulation</td>
<td>Accumulation</td>
<td>Accumulation</td>
<td>Accumulation</td>
<td>Accumulation</td>
<td>Accumulation</td>
</tr>
<tr>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>20</td>
<td>1</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>8</td>
<td>16</td>
<td>6</td>
<td>12</td>
<td>8</td>
<td>16</td>
<td>56</td>
</tr>
<tr>
<td>80</td>
<td>16</td>
<td>32</td>
<td>12</td>
<td>24</td>
<td>16</td>
<td>32</td>
<td>70</td>
</tr>
<tr>
<td>120</td>
<td>18</td>
<td>36</td>
<td>24</td>
<td>48</td>
<td>30 kg maxi</td>
<td>4 m</td>
<td></td>
</tr>
<tr>
<td>160</td>
<td>24</td>
<td>48</td>
<td>24</td>
<td>48</td>
<td>32</td>
<td>64</td>
<td>60 kg without accum. maxi</td>
</tr>
<tr>
<td>200</td>
<td>30</td>
<td>60</td>
<td>40</td>
<td>80</td>
<td>15 kg without accum. maxi</td>
<td>24 m /min</td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>36</td>
<td>72</td>
<td>48</td>
<td>96</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>42</td>
<td>84</td>
<td>56</td>
<td>112</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>48</td>
<td>96</td>
<td>64</td>
<td>128</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>500</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>600</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>700</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>800</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**All these data are indicative and depend on:**

- length of the conveyor
- speed
- duty cycle
- belt and motor types.

---

Above the table, there is a warning symbol with a message that says: "All these data are indicative and depend on: length of the conveyor, speed, duty cycle, belt and motor types."
Conveyor 20

Flat belt
Central drive
Width 20 mm

Technical data
Flat belt conveyor for limited space required, built with profile 5 basis 20 mm for very small and light components.
- Adjustable position of the drive along the profile
- Pulleys with ball bearings
- Optional stainless steel plate
- Easy assembly on profiles line 5

Dimensions (mm)
- Width A: 20
- Length L: 200 to 3000
- Width of belt: 17
- Length of belt:
  \[ L_c = (2xL+163) \times 0.992 \]
- Length of profile: \( L_P = L - 31 \)

Gear motors
- 230 V single-phase and 230/400 V three-phase
- Speed (m/min) +/- 10%:
  - 1 - 2 - 3 - 6 - 9 - 12 - 19
- 24 VDC speed (m/min) +/- 10%:
  - 3 - 4 - 8 - 13 - 19
Gear motors data: see page 100

Belts
Polyurethane belt, maxi thickness: 1.3 mm
Belt rigidity with tension 1%: 5 N/mm maxi
Belts data: see page 98

Permissible load: 2 daN
(Without accumulation)
Loads data: Page 9
### Designation / Dimensions

<table>
<thead>
<tr>
<th>Designation</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor 20 Flat belt Central drive 20 mm</td>
<td>1 pce</td>
<td>C 020 10 000</td>
</tr>
<tr>
<td>Conveyor 20 Flat belt Central drive 20 mm 24 V</td>
<td>1 pce</td>
<td>C 020 11 000</td>
</tr>
</tbody>
</table>

### Gear motors positions (see page 100)

- **Right motors**
- **Left motors**
Technical data
Flat belt conveyor for limited space required, built with profile 5 basis 20 mm for very small and light components.
- Adjustable position of the drive along the profile
- Pulleys with ball bearings
- Optional stainless steel plate

Dimensions (mm)
- Width A: 40 - 80 - 160
- Length L: 300 to 3 000
- Width of belt: A-5
- Length of belt:
  \[ L_c = (2xL + 285) \times 0.995 \]
- Length of profile: \( L_P = L - 31 \)

Gear motors
- 230 V single-phase and 230/400 V three-phase
- Speed (n/min) ± 10 %:
  - 2 - 3 - 6 - 9 - 12
- 24 VDC on request
  Gear motors data: see page 100

Belts
Installation tension: 0.5 % maxi
Polyurethane belt, maxi thickness: 1.3 mm
Belt rigidity with tension 1%: 5 N/mm maxi
  Belts data: see page 98

Permissible loads:
- width 40: 16 daN
- width 80: 32 daN
- width 160: 48 daN
  (Without accumulation)
  Loads data: Page 9
<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor 20 Flat belt Central drive 40 mm</td>
<td>1 pce</td>
<td>C 020 20 000</td>
</tr>
<tr>
<td>Conveyor 20 Flat belt Central drive 80 mm</td>
<td>1 pce</td>
<td>C 020 30 000</td>
</tr>
<tr>
<td>Conveyor 20 Flat belt Central drive 160 mm</td>
<td>1 pce</td>
<td>C 020 50 000</td>
</tr>
</tbody>
</table>

**Gear motors positions** (see page 100)

Right motors

Left motors
CONVEYOR 40 FLAT BELT
Technical data
Compact conveyor on profiles B basis 40 mm, for all kinds of components.

- Adjustable position of the drive along the profile
- Steel pulleys with ball bearings
- Stainless steel plate from 200 to 400 mm, otherwise on option

Dimensions (mm)
- Width A: 40 - 80 - 120 - 160 - 200 - 250 - 300 - 400
- Length L: 400 to 6000
- Width of belt: A-5
- Length of belt:
  \[ L_c = (2 \times L + 375) \times 0.992 \]
- Length of profile: \( L_p = L - 50 \)

Gear motors
- 230 V single-phase and 230/400 V three-phase
- Speed (m/min) +/- 10%:
  \[ 2 - 3 - 6 - 9 - 12 - 18 - 24 \]
- 24 VDC on request
  Gear motors data: see page 100

Belts
Recommended installation tension:
0.5% maxi
Belts data: see page 98

Permissible loads: see loads data page 9.
Designation / Dimensions | Order unit | Reference
--- | --- | ---
Conveyor 40 Flat belt Central drive | 1 pce | C XXX 10 000

(XXX = Width A of conveyor eg: C 040 10 000)

Gear motors positions (see page 100)

Right motors

Left motors
Conveyor 40

Flat belt
End drive
Widths 40, 80, 120, 160, 200, 250, 300, 400 mm

Technical data
Compact conveyor on profiles 8 basis 40 mm, for all kinds of components.
Particularly well adapted to the use of cleated belts.
- Drive on extremity drive pulley
- Steel pulleys with ball bearings
- Stainless steel plate from 200 to 400, otherwise on option

Dimensions (mm)
- Width A: 40 - 80 - 120 - 160 - 200 - 250 - 300 - 400
- Length L: 400 to 6 000
- Width of belt: A-5
- Length of belt: Lc = (2xL) + 132
- Overall length:
  \[ Lh = L + 42 + 2 \times \text{thickness of belt} + \text{tension} \]
- Length of profile: LP = L-52,5

Gear motors
- 230 V single-phase and 230/400 V three-phase
- Speed (m/min) +/- 10 %:
  2 - 3 - 6 - 9 - 12 - 18 - 24
- 24 VDC on request
Gear motors data: see page 100

Belts
Installation tension: 0,5 % maxi
Belts data: see page 98
Permissible loads: see loads data page 9.
**Designation / Dimensions**

| conveyor 40 Flat belt End drive |

**Order unit**

1 pce

**Reference**

C XXX 50 000

(XXX = Width A of conveyor  eg: C 040 50 000)

**Gear motors positions** (see page 100)

- Right motors
- Left motors

**Conveyor 40 FLAT BELT**
Technical data
Compact conveyor on profiles 8 basis 40 mm, for all kinds of components. Positioned below, the motor facilitates the integration.
* Drive of the extremity pulley with timing belt 5 mm step width 32mm
* Steel pulleys with ball bearings
* Stainless steel plate from 200 to 400, otherwise on option

Dimensions (mm)
* Width A: 40 - 80 - 120 - 160 - 200 - 250 - 300 - 400
* Length L: 400 to 6 000
* Width of belt: A-5
* Length of belt: Lc = (2xL) + 132
* Overall length: Lh = L + 42 + 2 thickness of belt + tension
* Length of profile: LP = L-52,5

Gear motors
* 230 V single-phase and 230/400 V three-phase
* Speed (m/min) +/- 10%: 2 - 3 - 6 - 9 - 12 - 18 - 24
* 24 VDC on request
Gear motors data: see page 100

Belts
Installation tension: 0,5 % maxi
Belts data: see page 98
Permissible loads: see loads data page 9.
<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor 40 Flat belt End drive Motor below Right</td>
<td>1 pce</td>
<td>C XXX 53 000D</td>
</tr>
<tr>
<td>Conveyor 40 Flat belt End drive Motor below Left</td>
<td>1 pce</td>
<td>C XXX 53 000G</td>
</tr>
<tr>
<td>Conveyor 40 Flat belt End drive Motor below Steel Right</td>
<td>1 pce</td>
<td>C XXX 53 000ID</td>
</tr>
<tr>
<td>Conveyor 40 Flat belt End drive Motor below Steel Left</td>
<td>1 pce</td>
<td>C XXX 53 000IG</td>
</tr>
</tbody>
</table>

(XXX = Width A of conveyor  eg: C 040 53 000)

Gear motors positions (see page 100)
Conveyor 40

Double flat belt
Central drive, external motor
Widths 40, 80 mm

Technical data
Two parallel flat belt conveyors driven by only one motor, for large components.
Two belts enable the use of free space.
× Adjustable position of the drive along the profile
× Distance between the two conveyors adaptable on request
× Stainless steel plate on option

Dimensions (mm)
× Width A: 40 - 80
× Length L: 400 to 6 000
× Width of belt: A-5
× Length of belt:
  \[ L_c = (2L+375) \times 0.992 \]
× Length of profile: \( L_P = L - 50 \)
× Center distance mini:
  Width 40: 92
  Width 80: 132
× Center distance maxi:
  Width 40: 840
  Width 80: 800

Gear motors
× 230 V single-phase and 230/400 V three-phase
× Speed (m/min) +/- 10%:
  2 - 3 - 6 - 9 - 12 - 18 - 24
× 24 VDC on request
Gear motors data: see page 100

Belts
Installation tension: 0.5% maxi
Belts data: see page 98

Permissible loads: see loads data page 9
**Designation / Dimensions**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor 40 Double flat belt Central drive External motor 40 mm</td>
<td>1 pce</td>
<td>C 040 20 000</td>
</tr>
<tr>
<td>Conveyor 40 Double flat belt Central drive External motor 80 mm</td>
<td>1 pce</td>
<td>C 080 20 000</td>
</tr>
</tbody>
</table>

*Gear motors positions (see page 100)*

- Right motors
- Left motors
Conveyor 40
Double flat belt
Central drive, internal motor
Widths 40, 80 mm

Technical data
Two parallel flat belt conveyors driven by only one motor, for large components.
Two belts enable the use of free space.
The internal mounting of the motor facilitates the integration.
Adjustable position of the drive along the profile
Distance between the 2 conveyors adaptable on request
Stainless steel plate on option

Dimensions (mm)
Width A: 40-80
Length: L = 400 to 6 000
Spacing between belts
E = 72 to 800
Width of belt: A-5
Length of belt:
Lc = (2xL+375) x 0,992
Length of profile: LP = L-50
Center distance mini:
Width 40: 190
Width 80: 230
Center distance maxi:
Width 40: 928
Width 80: 888

Gear motors
230 V single-phase and 230/400 V three-phase
Speed (m/min) +/- 10%:
2 - 3 - 6 - 9 - 12 - 18 - 24
24 VDC on request
Gear motors data: see page 100

Belts
Installation tension: 0.5% maxi
Belts data: see page 98
Permissible loads: see loads data page 9
Designation / Dimensions | Order unit | Reference
--- | --- | ---
Conveyor 40 Double flat belt Central drive Internal motor 40 mm | 1 pce | C 040 23 000
Conveyor 40 Double flat belt Central drive Internal motor 80 mm | 1 pce | C 080 23 000
Conveyor 40

Double flat belt
End drive
Widths 40, 80 mm

Technical data
Two parallel flat belt conveyors driven by only one motor, for large components.
Two belts enable the use of free space.
The internal mounting of the motor facilitates the integration.

Drive on extremity drive pulley
Steel pulleys with ball bearings
Stainless steel plate on option

Dimensions (mm)
- Width A: 40 - 80
- Length: L = 400 to 6 000
- Spacing between belts
  E = 72 to 800
- Width of belt: A-5
- Length of belt:
  \( L_c = (2 \times L) + 132 \)
- Length of profile: \( L_p = L - 52.5 \)
- Center distance mini:
  - Width 40: 98
  - Width 80: 138
- Center distance maxi:
  - Width 40: 834
  - Width 80: 794

Gear motors
- 230 V single-phase and 230/400 V three-phase
- Speed (m/min) +/- 10%:
  2 - 3 - 6 - 9 - 12 - 18 - 24
- 24 VDC on request
Gear motors data: see page 100

Belts
Installation tension: 0.5% maxi
Belts data: see page 98
Permissible loads: see loads data page 9
### Gear motors positions (see page 100)

- **Right motors**: 
  - C1
  - C2

- **Left motors**: 
  - A1
  - A2

### Designation / Dimensions

<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor 40 Double flat belt End drive 40 mm</td>
<td>1 pce</td>
<td>C 040 40 000</td>
</tr>
<tr>
<td>Conveyor 40 Double flat belt End drive 80 mm</td>
<td>1 pce</td>
<td>C 080 40 000</td>
</tr>
</tbody>
</table>
**Conveyor 40**

**Timing belt**

**Central drive**

**Widths 40, 80 mm**

**Technical data**

- Compact conveyor on profiles 8 basis 40 mm, for all kinds of components.
- Positive driving belt for heavy loads.
- Adjustable position of the drive along the profile
- Pulleys with ball bearings
- Guiding belt PA material
- Timing belt, 5 mm step

**Dimensions (mm)**

- Width A: 40 - 80
- Length L: 400 to 6000
- Width of belt: 32 and 72 mm
- Length of belt
  \[ L_c = (2L + 368) \times 0.999 \]
- Length of profile: \( L_P = L - 51 \)

**Gear motors**

- 230 V single-phase and 230/400 V three-phase
- Speed (m/v) +/- 10%:
  - 2 - 3 - 6 - 9 - 12 - 18 - 24
- 24 VDC on request
- Gear motors data: see page 100

**Belts**

- Installation tension: 0.1%
- Belts data: see page 98

Permissible loads: see loads data page 9
Gear motors positions (see page 100)

<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor 40 Timing belt Central drive 40 mm</td>
<td>1 pce</td>
<td>C 040 11 000</td>
</tr>
<tr>
<td>Conveyor 40 Timing belt Central drive 80 mm</td>
<td>1 pce</td>
<td>C 080 11 000</td>
</tr>
</tbody>
</table>
Conveyor 40

Timing belt
End drive
Widths 40, 80 mm

Technical data
Compact conveyor on profiles 8 basis 40 mm, for all kinds of components.
Positive driving belt for heavy loads.
- Pulleys with ball bearings
- Guiding belt PA material
- Timing belt, 5 mm step

Dimensions (mm)
- Width A: 40 - 80
- Length L: 400 to 6 000
- Width of belt: 32 and 72 mm
- Length of belt
  \[ Lc = (2L + 152) \times 0.999 \]
- Length of profile: \[ LP = L - 68.5 \]

Gear motors
- 230 V single-phase and 230/400 V three-phase
- Speed (m/min) +/- 10%:
  2 - 3 - 6 - 9 - 12 - 18 - 24
- 24 VDC on request
Gear motors data: see page 100

Belts
Installation tension: 0.1%
Belts data: see page 98

Permissible loads: see loads data page 9
### Gear motors positions (see page 100)

<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor 40 Timing belt End drive 40 mm</td>
<td>1 pce</td>
<td>C 040 51 000</td>
</tr>
<tr>
<td>Conveyor 40 Timing belt End drive 80 mm</td>
<td>1 pce</td>
<td>C 080 51 000</td>
</tr>
</tbody>
</table>
Conveyor 40
Timing belt
End drive, Motor below
Widths 40, 80 mm

Technical data
Compact conveyor on profiles 8 basis 40 mm, for all kinds of components. Positive driving belt for heavy loads. Positioned below, the motor facilitates the integration.
- Drive of the extremity pulley with timing belt 5 mm step width 32mm
- Pulleys with ball bearings
- Guiding belt PA material
- Timing belt, 5 mm step

Dimensions (mm)
- Width A: 40 - 80
- Length L: 400 to 6 000
- Width of belt: 32 and 72 mm
- Length of belt:
  \[ L_c = (2L + 152) \times 0.999 \]
- Length of profile: \( L_P = L - 68.5 \)

Gear motors
- 230 V single-phase and 230/400 V three-phase
- Speed (m/min) +/- 10 %:
  2 - 3 - 6 - 9 - 12 - 18 - 24
- 24 VDC on request
Gear motors data: see page 100

Belts
Installation tension: 0,1 %
Belts data: see page 98
Permissible loads: see loads data page 9
Designation / Dimensions | Order unit | Reference
--- | --- | ---
Conveyor 40 Timing belt End drive Motor below 40 mm Right | 1 pce | C 040 54 000D
Conveyor 40 Timing belt End drive Motor below 40 mm Left | 1 pce | C 040 54 000G
Conveyor 40 Timing belt End drive Motor below 80 mm Right | 1 pce | C 080 54 000D
Conveyor 40 Timing belt End drive Motor below 80 mm Left | 1 pce | C 080 54 000G

Gear motors positions (see page 100)

Right motors

Left motors
CONVEYOR 40 DOUBLE TIMING BELT
Conveyor 40

Double timing belt
Central drive, external motor
Widths 40, 80 mm

Technical data

Two parallel flat belt conveyors driven by only one motor, for large components.
Two belts enable the use of free space.
Positive driving belt for heavy loads.
Synchronization of the 2 belts
- Adjustable position of the drive along the profile
- Pulleys with ball bearings
- Guiding belt PA material
- Timing belt, 5 mm step

Dimensions (mm)
- Width A: 40 - 80
- Length L: 400 to 6 000
- Width of belt: 32 and 72 mm
- Length of belt:
  \[ L_c = (2L+368) \times 0.999 \]
- Length of profile: \( L_p = L - 51 \)
- Center distance mini:
  Width 40: 108
  Width 80: 148
- Center distance maxi:
  Width 40: 1 000
  Width 80: 1 000

Gear motors
- 230 V single-phase and 230/400 V three-phase
- Speed (m/min) +/- 10%:
  2 - 3 - 6 - 9 - 12 - 18 - 24
- 24 VDC on request
  Gear motors data: see page 100

Belts
- Installation tension: 0.1%
  Belts data: see page 98
- Permissible loads: see loads data page 9
Conveyor 40 Double timing belt

<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor 40 Double timing belt Central drive Ext. motor 40 mm</td>
<td>1 pce</td>
<td>C 040 21 000</td>
</tr>
<tr>
<td>Conveyor 40 Double timing belt Central drive Ext. motor 80 mm</td>
<td>1 pce</td>
<td>C 080 21 000</td>
</tr>
</tbody>
</table>

Gear motors positions (see page 100)

Right motors

Left motors
Conveyor 40

Double timing belt
Central drive, Internal motor
Widths 40, 80 mm

Technical data
Two parallel flat belt conveyors driven by only one motor, for large components.
Two belts enable the use of free space. The internal mounting of the motor facilitates the integration.
Positive driving belt for heavy loads.
Synchronization of the 2 belts.
Adjustable position of the drive along the profile
Pulleys with ball bearings
Guiding belt PA material
Timing belt, 5 mm step

Dimensions (mm)
Width A: 40 - 80
Length L: 400 to 6 000
Width of belt: 32 and 72 mm
Length of belt
Lc = (2xL+368) x 0.999
Length of profile: LP = L-51
Center distance mini:
Width 40: 206
Width 80: 246
Center distance maxi:
Width 40: 1 000
Width 80: 1 000

Gear motors
230 V single-phase and 230/400 V three-phase
Speed (m/min) +/- 10%:
2 - 3 - 6 - 9 - 12 - 18 - 24
24 VDC on request
Gear motors data: see page 100

Belts
Installation tension: 0.1 %
Belts data: see page 98
Permissible loads: see loads data page 9
Designation / Dimensions | Order unit | Reference
--- | --- | ---
Conveyor 40 Double timing belt Central drive Internal motor 40 mm | 1 pce | C 040 22 000
Conveyor 40 Double timing belt Central drive Internal motor 80 mm | 1 pce | C 080 22 000
Conveyor 40
Double timing belt
End drive
Widths 40, 80 mm

Technical data
Two parallel flat belt conveyors driven by only one motor, for large components.
Two belts enable the use of free space.
Positive driving belt for heavy loads.

- Pulleys with ball bearings
- Guiding belt PA material
- Timing belt, 5 mm step

Dimensions (mm)
- Width A: 40 - 80
- Length L: 400 to 6 000
- Width of belt: 32 and 72 mm
- Length of belt
  \[ L_c = (2xL+152) \times 0.999 \]
- Length of profile: \[ L_P = L - 68.5 \]
- Center distance mini:
  - Length 40: 114
  - Length 80: 154
- Center distance maxi:
  - Length 40: 1 000
  - Length 80: 1 000

Gear motors
- 230 V single-phase and 230/400 V three-phase
- Speed (m/min) +/- 10%:
  - 2 - 3 - 6 - 9 - 12 - 18 - 24
- 24 VDC on request

Gear motors data: see page 100

Belts
Installation tension: 0.1%

Belts data: see page 98

Permissible loads: see loads data page 9
### Gear Motors Positions

Gear motors positions (see page 100)

- Right motors
- Left motors

### Designation / Dimensions

<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor 40 Double timing belt End drive 40 mm</td>
<td>1 pce</td>
<td>C 040 41 000</td>
</tr>
<tr>
<td>Conveyor 40 Double timing belt End drive 80 mm</td>
<td>1 pce</td>
<td>C 080 41 000</td>
</tr>
</tbody>
</table>
CONVEYOR 40 INCLINED
Conveyors Inclined Type 1

Widths 200, 300, 400 mm

Technical data
Flat belt conveyor with 1 angle for building elevators thanks to cleated belts.
For light parts maxi 8 kg.

Dimensions (mm)
- Width A: 200 - 300 - 400
- Length: L1 + L2 = 4 000 maxi
- Cleats height: 60 maxi

Gear motors
- 230 V single-phase and 230/400 V three-phase
- 24 VDC on request
Gear motors data: see page 100

Belts
- Cleated belts only
Belts data: see page 98
### Gear motors positions (see page 100)

- **Right motors**
  - Motor positions: C1, D2

- **Left motors**
  - Motor positions: C2, C1

<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor Inclined Type 1 200 mm</td>
<td>1 pce</td>
<td>C 200 70 000</td>
</tr>
<tr>
<td>Conveyor Inclined Type 1 300 mm</td>
<td>1 pce</td>
<td>C 300 70 000</td>
</tr>
<tr>
<td>Conveyor Inclined Type 1 400 mm</td>
<td>1 pce</td>
<td>C 400 70 000</td>
</tr>
</tbody>
</table>
Conveyors Inclined Type 2

Widths 200, 300, 400 mm

Technical data
Flat belt conveyor with 1 angle for building elevators thanks to cleated belts.
For light parts maxi 8 kg.

Dimensions (mm)
- Width A: 200 - 300 - 400
- Length: L1 + L2 = 4 000 maxi
- Cleats height: 60 maxi

Gear motors
- 230 V single-phase and 230/400 V three-phase
- 24 VDC on request
Gear motors data: see page 100

Belts
- Cleated belts only
Belts data: see page 98
### Designation / Dimensions

<table>
<thead>
<tr>
<th>Designation</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor Inclined Type 2 200 mm</td>
<td>1 pce</td>
<td>C 200 75 000</td>
</tr>
<tr>
<td>Conveyor Inclined Type 2 300 mm</td>
<td>1 pce</td>
<td>C 300 75 000</td>
</tr>
<tr>
<td>Conveyor Inclined Type 2 400 mm</td>
<td>1 pce</td>
<td>C 400 75 000</td>
</tr>
</tbody>
</table>

**Gear motors positions** (see page 100)

- **Right motors**
- **Left motors**
Conveyors Inclined Type 3

Widths 200, 300, 400 mm

Technical data
Flat belt conveyor with 2 angles for building elevators thanks to cleated belts.
For light parts maxi 8 kg.

Dimensions (mm)
- Width A: 200 - 300 - 400
- Length: L1 + L2 + L3 = 4 000 maxi
- Cleats height: 60 maxi

Gear motors
- 230 V single-phase and 230/400 V three-phase
- 24 VDC on request
Gear motors data: see page 100

Belts
- Cleated belts only
Belts data: see page 98
<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor Inclined Type 3 200 mm</td>
<td>1 pce</td>
<td>C 200 80 000</td>
</tr>
<tr>
<td>Conveyor Inclined Type 3 300 mm</td>
<td>1 pce</td>
<td>C 300 80 000</td>
</tr>
<tr>
<td>Conveyor Inclined Type 3 400 mm</td>
<td>1 pce</td>
<td>C 400 80 000</td>
</tr>
</tbody>
</table>

**Gear motors positions** *(see page 100)*

- Right motors
- Left motors
CONVEYOR 80 FLAT BELT
Conveyor 80

Flat belt
End drive
Motor 90 W

Technical data
Compact conveyor manufactured from item profile range, dedicated to the conveying of light and bulky loads.
The welded cleat under the belt ensures its guiding and makes adjustment easier.
- Extremity drive pulley
- Aluminium profile frame
- Modular width every mm on request

Dimensions (mm)
- Width A: 160 to 600
- Length: 400 to 3 130
- Width of the belt: A-10
- Length of belt: Lc = (2 x L) + 252
- Length of profile: LP = L-130

Plates
- Compact laminate plate 8 mm
- Stainless steel plate 2 mm

Gear motors
- 90W 230 V single-phase or 230/400 V three-phase
- Speed (m/min) +/- 10%:
  6 - 7 - 9 - 12 - 14 - 18 - 24

Permissible loads
30 daN from 4 to 12 m/min
15 daN from 14 to 24 m/min
(Without accumulation)

Gear motors data: see page 100

Belts
Specific belt (CXXXX42201)
1.3 mm thickness with plate under the belt
Installation tension: 0.3 % maxi
Belts data: see page 98
**Designation / Dimensions**

<table>
<thead>
<tr>
<th>Description</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor 80 Flat belt End drive 90 W</td>
<td>1 pce</td>
<td>C XXXX 42 000</td>
</tr>
<tr>
<td>Conveyor 80 Flat belt End drive 90 W Stainless steel</td>
<td>1 pce</td>
<td>C XXXX 42 000I</td>
</tr>
</tbody>
</table>

(XXXX = Width A of conveyor eg: C 0400 42 000I)

---

**Gear motors positions** (see page 100)

- **Right motors**: 
  - Motor positions: C1, C2

- **Left motors**: 
  - Motor positions: A1, A2
**Conveyor 80**

*Flat belt*
*End drive*
*Motor 250 W*

### Technical data

Compact conveyor manufactured from **item** profile range, dedicated to the conveying of light and bulky loads. The welded cleat under the belt ensures its guiding and makes adjustment easier.

- Extremity drive pulley
- Aluminium profile frame
- Modular width every mm on request

### Dimensions (mm)

- Width A: 160 to 1000
- Length: 400 to 6130
- Width of the belt: A-10
- Length of belt: \( L_c = (2 \times L) + 252 \)
- Length of profile: \( L_P = L - 130 \)

### Plates

- Compact laminate plate 8 mm
- Stainless steel plate 2 mm

### Gear motors

- 250 W 230/400 V three-phase
- Speed (m/min) +/- 10%:
  - 4 - 6 - 7 - 9 - 12 - 14 - 18 - 24

Permissible loads
- 60 daN from 4 to 12 m/min
- 30 daN from 14 to 24 m/min
  *(Without accumulation)*

### Belts

Specific belt (CXXX42201)
- 1.3 mm thickness with plate under the belt
- Installation tension: 0.3% maxi

Belts data: see page 98
Designation / Dimensions | Order unit | Reference
---|---|---
Conveyor 80 Flat belt End drive 250 W | 1 pce | C XXXX 43 000
Conveyor 80 Flat belt End drive 250 W Stainless steel | 1 pce | C XXXX 43 000I

(XXXX = Width A of conveyor  eg: C 0400.43.000I)
CONVEYOR 90 FLAT BELT
Conveyor 90

Flat belt
End drive
Widths 500, 600, 700, 800, 1000 mm

Technical data
Flat belt conveyor for heavy and bulky components.
- Drive on extremity drive pulley
- Steel pulleys with ball bearings
- Aluminium profile frame

Dimensions (mm)
- Width A: 500 - 600 - 700 - 800 - 1000
- Length L: 500 to 6000
- Width of belt: A-10
- Length of belt:
  \[ L_c = (2 \times L) + 300 \]
- Length of profile: \( L_P = L - 100 \)

Plates
- Plastic 8 mm
- Stainless steel

Gear motors
- 230 V single-phase and 230/400 V three-phase
- Speed (m/min) +/- 10%:
  4 - 6 - 8 - 10 - 16 - 20 - 26
- 24 VDC on request
  Gear motors data: see page 100

Belts
- Installation tension: 0.5% maxi
  Belts data: see page 98
  Permissible loads: see loads data page 9
Designation / Dimensions | Order unit | Reference
--- | --- | ---
Conveyor 90 Flat belt End drive | 1 pce | C XXXX 10 000

(XXXX = Width A of conveyor  eg: C 0500 10 000)

Gear motors positions (see page 100)

Right motors

Left motors
Conveyor 90

Flat belt
End drive, Motor below
Widths 500, 600, 700, 800, 1000 mm

Technical data
Flat belt conveyor for heavy and bulky components.
- Drive of extremity drive pulley by timing belt 10 mm step width 25 mm
- Steel pulleys with ball bearings
- Aluminium profile frame

Dimensions (mm)
- Pulley diameter: 90
- Width A: 500 - 600 - 700 - 800 - 1000
- Length L: 500 to 6 000
- Width of belt: A-10
- Length of belt: \( L_c = (2 \times L) + 300 \)

Plates
- Plastic 8 mm
- Stainless steel

Gear motors
- 230 V single-phase and 230/400 V three-phase
- Speed (m/min) +/- 10%:
  - 4 - 6 - 8 - 10 - 16 - 20 - 26
- 24 VDC on request
Gear motors data: see page 100

Belts
- Installation tension: 0.5% maxi
Belts data: see page 98

Permissible loads: see loads data page 9
Designation / Dimensions | Order unit | Reference
---|---|---
Conveyor 90 Flat belt End drive Motor below | 1 pce | C XXXX 53 000

(XXXX = Width A of conveyor  eg. C 0500 53 000)

Gear motors positions (see page 100)

Right motors

Left motors
Conveyor 90
Flat belt
End drive, Motorized drum

Widths 500, 600, 700, 800 mm

**Technical data**
Compact conveyor thanks to the integrated motor in the pulley.

- Drive on extremity by motorized drum.
- Aluminium pulley with ball bearings.
- Aluminium profile frame.

**Dimensions (mm)**
- Driving diameter: Ø 84
- Width A: 500, 600, 700, 800
- Width of belt: 490, 590, 690, 790
- Mini length: A x 1.2
- Maxi length: 4 000

**Plates**
- Stainless steel
- Galvanized steel plate thickness: 2 mm

**Gear motors**
- 230/400 V three-phase 50 Hz
- Speed: 5 - 6 - 7 - 9 - 11 - 14 m/min according to power

Gear motors data: see page 100

Adjustable cable outlet from 90° to 90°.

Lh = L + tensioning stroke + 84 + 2 x belt thickness

Space saving thanks to the drum motor

⚠️ **Do not operate without belt since this may result in damage.**

**Belts**
Belts data: see page 98

Permissible loads: see loads data page 9
<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor 90 Motorized drum</td>
<td>1 pce</td>
<td>C XXXX 30 000</td>
</tr>
</tbody>
</table>

(XXXX = Width A of conveyor: 500-600-700-800  eg: C 0500 30 000)
**Technical data**

Compact conveyor on profiles 8 basis 80 mm, for all kinds of components.
- Positive driving belt for heavy loads.
- Toothed pulleys with ball bearings
- Guiding belt PA material
- Timing belt, 10 mm step
- Option: timing belt 10 mm step with threaded insert which enables to fix workpiece fittings.

**Dimensions (mm)**

- Width A: 40 - 80 - 120
- Length L: 500 to 6000
- Width of belt: 25, 50 and 100 mm
- Length of belt:
  - \( LC = (2xL) + 320 \)
- Length of profile: \( LP = L - 125 \)

**Gear motors**

- 230 V single-phase and 230/400 V three-phase
- Speed (m/min) ± 10%:
  - 4 - 6 - 8 - 10 - 16 - 20 - 26
- Gear motors data: see page 100

**Belts**

- Installation tension: 0.1%
- Belts data: see page 98

Permissible loads: see loads data page 9
**Designation / Dimensions** | **Order unit** | **Reference**  
--- | --- | ---  
Conveyor 90 Timing belt End drive 40 mm | 1 pce | C 0040 70 000  
Conveyor 90 Timing belt End drive 80 mm | 1 pce | C 0080 70 000  
Conveyor 90 Timing belt End drive 120 mm | 1 pce | C 0120 70 000  

**Gear motors positions** (see page 100)  
Right motors  
Left motors
CONVEYOR 90 DOUBLE TIMING BELT
Conveyor 90

Double timing belt
End drive
Widths 40, 80, 120 mm

Technical data
Two parallel timing belt conveyors driven by only one motor, for large components enabling the use of free space.
Positive driving belt for heavy loads.
- Toothed pulleys with ball bearings
- Guiding belt PA material
- Timing belt, 10 mm step
- Option: timing belt spacing 10 mm with threaded insert which enables to fix workpiece fittings.

Dimensions (mm)
- Width A: 40 - 80 - 120
- Length L: 500 to 6 000
- Width of belt: 25, 50 and 100 mm
- Length of belt
  \[ L_c = (2xL) + 320 \]
- Length of profile: \[ LP = L - 125 \]

Gear motors
- 230/400 V three-phase
- Speed (m/min) ± 10 %:
  - 4 - 6 - 8 - 10 - 16 - 20 - 26
  Gear motors data: see page 100

Belts
Installation tension: 0,1 %
Belts data: see page 98
Permissible loads: see loads data page 9
<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor 90 Double timing belt End drive 40 mm</td>
<td>1 pce</td>
<td>C 0040 80 000</td>
</tr>
<tr>
<td>Conveyor 90 Double timing belt End drive 80 mm</td>
<td>1 pce</td>
<td>C 0080 80 000</td>
</tr>
<tr>
<td>Conveyor 90 Double timing belt End drive 120 mm</td>
<td>1 pce</td>
<td>C 0120 80 000</td>
</tr>
</tbody>
</table>

Gear motors positions (see page 100)

- **Right motors**
- **Left motors**
Conveyor Modular belt

It allows the carriage of heavy and abrasive parts. Modular belts are constituted with assembled elements in rows that can be switched, which allows to design custom conveyors almost of all the widths and lengths needed. They can integrate cleats fixed by means of plastic axes along the entire width of the belt.

Very easy to clean. Quick and easy replacements of links. elcom has been designing flat belt conveyors for more than 30 years. Based on this experience, elcom has developed various types of modular flat belt conveyors:

- Conveyor with straight line
- Curved conveyor
- Accumulator table

Benefits:
- Facilitates easy cleaning
- Replacement of links in a simple and fast way.

Do not hesitate to contact us, we will provide you with our expertise and our technical advice for your projects.
CONVEYOR WITH NON DRIVEN ROLLERS
Conveyor with non driven rollers

Straight line
Widths 350, 450, 550, 650 mm

Technical data
Straight compact conveyor to convey all types of cardboard boxes, flat bottom boxes, etc. on zinc-plated steel rollers.

Aesthetic design.

Dimensions (mm)
- Width A: 350 - 450 - 550 - 650
- Rollers: Ø 50
- X: quantity of rollers
- P: pitch between rollers
  - 55 - 75 - 95
- L = (X-1) x P + 54
- Maximum load per roller (daN): 6

Composed of modular elements, fully adaptable to the aluminium profiles range.

Options
- Feet or frame in aluminium
- Lateral guides
- Pitch between the rollers on request
- Fixed stopper

Permissible load:
according to widths, lengths and pitch between rollers
### Designation / Dimensions

<table>
<thead>
<tr>
<th>Designation</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor with non driven rollers Straight line</td>
<td>1 pce</td>
<td>CR XXX 52 000</td>
</tr>
<tr>
<td>Conveyor with non driven rollers with lateral guides Straight line</td>
<td>1 pce</td>
<td>CR XXX 53 000</td>
</tr>
</tbody>
</table>

(XXX = Width A of conveyor: 350-450-550-650  eg.: CR 350 52 000)
Conveyor with non driven rollers

Curved
Widths 350, 450, 550, 650 mm

Technical data
Compact conveyor with a curve to convey all types of cardboard boxes, flat bottom boxes, etc. on truncated-cone shaped rollers.
Composed of modular elements, fully adaptable to the aluminium profiles range.

Aesthetic design.

Dimensions (mm)
- Width A: 350 - 450 - 550 - 650
- Zinc plated steel rollers with PVC coating
- Pitch between rollers P: 75 on R 820
- Maximum load per roller (daN): 6
- Inner radius of curvature: 780

Options
- Feet or frame in aluminium
- Lateral guides

Permissible loads:
according to widths, lengths and pitch between rollers
<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor with non driven rollers Curved</td>
<td>1 pce</td>
<td>CRC XXX 52 000</td>
</tr>
</tbody>
</table>

(XXX = width A of conveyor: 350-450-550-650  eg: CR 350 52 000)
CONVEYOR WITH MOTORIZED ROLLERS
Conveyor with motorized rollers

Straight line
Widths 350, 450, 550, 650 mm

Technical data
Straight compact conveyor to convey all types of cardboard boxes, flat bottom boxes, etc. on zinc-plated steel rollers.

Aesthetic design.

Dimensions (mm)
- Width A: 350 - 450 - 550 - 650
- Rollers: Ø 50
- X: quantity of rollers
- P: pitch between rollers
  - 55 - 75 - 95
- L = (X-1) x P + 55
- Maximum load per roller (daN): 6

Composed of modular elements, fully adaptable to the aluminium profiles range.

Gear motors
- Rollers motorization by round belt
- Speeds (m/min): 6 - 7 - 9 - 12 - 18 - 24

Options
- Feet or frame in aluminium
- Lateral guides
- Pitch between the rollers on request
- Fixed stopper
- Distributing stopper
- Acceleration zone
  - Speed = conveyor speed x 1.25

Permissible load:
according to widths, lengths and pitch between rollers
<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor with motorized rollers Straight line</td>
<td>1 pce</td>
<td>CR XXX 50 000</td>
</tr>
</tbody>
</table>

(XXX = width A of conveyor: 350-450-550-650  eg: CR 350 50 000)
**Technical data**
Compact motorized conveyor with a curve to convey all types of cardboard boxes, flat bottom boxes, etc. on truncated-cone shaped rollers.
The curved conveyor can be driven by the straight conveyor associated or not. Composed of modular components, fully adaptable to the aluminium profiles range.

Aesthetic design.

**Dimensions (mm)**
- Widths A: 450 - 550 - 650
- Zinc-plated steel rollers with PVC coating
- Pitch between rollers P:
  - 65 on R 712
- Maximum load per roller (daN): 6
- Inner radius of curvature: 672

**Gear motors**
- Rollers motorization by round belt
- Speeds (m/min): 6 - 7 - 9 - 12 - 18 - 24

**Options**
- Feet or frame in aluminium
- Lateral guides

Permissible load:
According to widths, lengths and pitch between rollers
**Designation / Dimensions** | **Order unit** | **Reference**
--- | --- | ---
Conveyor with motorized rollers Curved | 1 pce | CRC XXX 50 000

(XXX = width A of conveyor: 450-550-650   ex.: CRC 450 50 000)
## Belts data

<table>
<thead>
<tr>
<th>TYPE OF BELT</th>
<th>APPLICATION</th>
<th>SPECIAL TECHNICAL DATA/USE</th>
<th>COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC</td>
<td>Standard.</td>
<td>Antistatic</td>
<td>Grey</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Food quality</td>
<td>Green</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Black</td>
</tr>
<tr>
<td></td>
<td>For conveying all kind of parts and material.</td>
<td>Antistatic</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Food quality</td>
<td>Green</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>White</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Blue</td>
</tr>
<tr>
<td>Polyurethane</td>
<td>Belt adapted to aggressive parts, oily environment. Possible important accumulations of parts.</td>
<td>Antistatic</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Food quality</td>
<td>Green</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Army</td>
<td>White</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Possible welding of cleated belts</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Blue</td>
</tr>
<tr>
<td>Rubber</td>
<td>Good abrasion, cut and shock resistance.</td>
<td>Very good adherence.</td>
<td>Green</td>
</tr>
<tr>
<td>Silicone</td>
<td>For conveying parts at high temperature.</td>
<td>Very good adherence.</td>
<td>White</td>
</tr>
<tr>
<td>Main categories</td>
<td>Reference</td>
<td>Width</td>
<td>Coating</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>-----------</td>
<td>-------</td>
<td>---------</td>
</tr>
<tr>
<td>PU belt for accumulation</td>
<td>C02010197</td>
<td>020</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C04010198</td>
<td>040</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C08010199</td>
<td>080</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C12010200</td>
<td>120</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C16010201</td>
<td>160</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C20010202</td>
<td>200</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C25010202</td>
<td>250</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C30010202</td>
<td>300</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C40010202</td>
<td>400</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C050010202</td>
<td>500</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C060010202</td>
<td>600</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C070010202</td>
<td>700</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C080010202</td>
<td>800</td>
<td>TPU</td>
</tr>
<tr>
<td></td>
<td>C100010202</td>
<td>1000</td>
<td>TPU</td>
</tr>
<tr>
<td>PVC coating</td>
<td></td>
<td></td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C04010203</td>
<td>40</td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C08010203</td>
<td>80</td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C12010203</td>
<td>120</td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C16010203</td>
<td>160</td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C20010203</td>
<td>200</td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C25010203</td>
<td>250</td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C30010203</td>
<td>300</td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C40010203</td>
<td>400</td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C050010203</td>
<td>500</td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C060010203</td>
<td>600</td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C070010203</td>
<td>700</td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C080010203</td>
<td>800</td>
<td>PVC</td>
</tr>
<tr>
<td></td>
<td>C100010203</td>
<td>1000</td>
<td>PVC</td>
</tr>
<tr>
<td>PVC belt option</td>
<td></td>
<td></td>
<td>PVC</td>
</tr>
<tr>
<td>Belt for inclined conveyor option</td>
<td></td>
<td></td>
<td>PVC</td>
</tr>
<tr>
<td>PET belt for accumulation option</td>
<td></td>
<td></td>
<td>PET</td>
</tr>
<tr>
<td>Silicon belt option</td>
<td></td>
<td></td>
<td>PA</td>
</tr>
<tr>
<td>Silicon belt able to withstand extreme temperatures.</td>
<td></td>
<td></td>
<td>SI</td>
</tr>
</tbody>
</table>
Motorizations

**Gear motor 24 VDC:**
- Power: 0.037 KW
- Maxi current: 2.5 A
- IP 65

**Gear motor 230 V single-phase 50 Hz:**
- Power: 0.09 KW
- Maxi current: 0.4 A
- IP 54

**Gear motor 230-400 V three-phase 50 Hz:**
- Power: 0.09 KW
- Maxi current: 0.4 A
- IP 54

**Gear motor 230-400 V three-phase 50 Hz:**
- Power: 0.25 KW
- Maxi current: 0.83 A
- IP 54

Other motors on request.

**Frequency inverter**
- Reference C000 30 001: for 100 W maximum.
- Reference C000 30 002: for 400 W maximum.
- Power supply 230 V single-phase 50 Hz output 230 V 400 three-phase.
- Variation with standard motor +/- 20% of the speed.
- Possible use of motor with forced draught.
Extremity Ø 21 mm
Conveyor 40

Technical data
Enables to decrease the radius in end of the conveyor 40.
Particularly adapted for passing small components between two conveyors.

L = conveyor center distance

L for end drive conveyor:
2 x L + 119.5

L for central drive conveyor + 1 extremity:
(2 x L + 342) x 0.995

L for central drive conveyor + 2 extremities
(2 x L + 324.5) x 0.995

Dimensions (mm)
x Width A : 40 - 80 - 120 - 160 - 200 - 250 - 300 - 400

Installation tension: 0.5% maxi

<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extremity for width 40</td>
<td>1 pce</td>
<td>C 040 30 000</td>
</tr>
<tr>
<td>Extremity for width 80</td>
<td>1 pce</td>
<td>C 080 30 000</td>
</tr>
<tr>
<td>Extremity for width 120</td>
<td>1 pce</td>
<td>C 120 30 000</td>
</tr>
<tr>
<td>Extremity for width 160</td>
<td>1 pce</td>
<td>C 160 30 000</td>
</tr>
<tr>
<td>Extremity for width 200</td>
<td>1 pce</td>
<td>C 200 30 000</td>
</tr>
<tr>
<td>Extremity for width 250</td>
<td>1 pce</td>
<td>C 250 30 000</td>
</tr>
<tr>
<td>Extremity for width 300</td>
<td>1 pce</td>
<td>C 300 30 000</td>
</tr>
<tr>
<td>Extremity for width 400</td>
<td>1 pce</td>
<td>C 400 30 000</td>
</tr>
</tbody>
</table>
For flat belt conveyor 40

The structure of flat belt conveyors is aluminium profiles. A stainless or galvanized steel plate, thickness 2 mm, can be added between the belt and the structure, on request. The conveyors with width 200 to 400 mm are fitted out with stainless steel plates in the standard version.

For flat belt conveyor 90

All conveyors are fitted out with a plate. (Standard = compact laminate 8 mm).

Several types are possible:
- Compact laminate 8 mm
- Stainless steel 2 mm
Support to limit sagging of the belt underneath on long conveyors.

**Dimensions (mm)**

- Width A : 40 - 80 - 120 - 160 - 200 - 250 - 300 - 400

### Designation / Dimensions

<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower belt support width 40</td>
<td>1 pce</td>
<td>C 040 60 000</td>
</tr>
<tr>
<td>Lower belt support width 80</td>
<td>1 pce</td>
<td>C 080 60 000</td>
</tr>
<tr>
<td>Lower belt support width 120</td>
<td>1 pce</td>
<td>C 120 60 000</td>
</tr>
<tr>
<td>Lower belt support width 160</td>
<td>1 pce</td>
<td>C 160 60 000</td>
</tr>
<tr>
<td>Lower belt support width 200</td>
<td>1 pce</td>
<td>C 200 60 000</td>
</tr>
<tr>
<td>Lower belt support width 250</td>
<td>1 pce</td>
<td>C 250 60 000</td>
</tr>
<tr>
<td>Lower belt support width 300</td>
<td>1 pce</td>
<td>C 300 60 000</td>
</tr>
<tr>
<td>Lower belt support width 400</td>
<td>1 pce</td>
<td>C 400 60 000</td>
</tr>
</tbody>
</table>
**Lower belt support Conveyors 80 and 90**

**Technical data**
Support to limit sagging of the belt underneath on long conveyors.

**Conveyor 80**
Modular width

**Conveyor 90**
**Dimensions (mm)**
* Width A: 500 - 600 - 700 - 800 - 1000

<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower belt support Conveyor 90 width 500</td>
<td>1 pce</td>
<td>C 0500 20 000</td>
</tr>
<tr>
<td>Lower belt support Conveyor 90 width 600</td>
<td>1 pce</td>
<td>C 0600 20 000</td>
</tr>
<tr>
<td>Lower belt support Conveyor 90 width 700</td>
<td>1 pce</td>
<td>C 0700 20 000</td>
</tr>
<tr>
<td>Lower belt support Conveyor 90 width 800</td>
<td>1 pce</td>
<td>C 0800 20 000</td>
</tr>
<tr>
<td>Lower belt support Conveyor 90 width 1000</td>
<td>1 pce</td>
<td>C 1000 20 000</td>
</tr>
<tr>
<td>Lower belt support Conveyor 80</td>
<td>1 pce</td>
<td>C XXXX 20 000</td>
</tr>
</tbody>
</table>

(XXXX = Width A of conveyor)
Lateral guides

Technical data
Several types of lateral guides are available in standard version.

Special lateral guides on request.
Examples of lateral guides

Type a

Type e

Several special solutions for lateral guides
Conveyor stands
Type A - Type B - Type C

Support to limit sagging of the belt underneath on long conveyors.

Dimensions (mm)
- Width A: 40 - 80 - 120 - 160 - 200 - 250 - 300 - 400 mm
**Fastening plate**

**Technical data**
Easy assembly of inclined conveyors.
Stainless steel sheet thickness 4 mm.

Set including:
- 1 stainless steel plate
- 4 T-Slot nuts 8 St M8
- 4 screws M8

<table>
<thead>
<tr>
<th>Designation / Dimensions</th>
<th>Order unit</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fastening plate</td>
<td>1 pce</td>
<td>C 000 10 012</td>
</tr>
</tbody>
</table>
Aplicaciones

- Permite el retorno de los palets de la parte inferior o la parte superior de la línea, o la distribución de palets a varios niveles.
- Están construidos a partir de componentes estándar.
- Cada elevador se adapta a las dimensiones del palet, de las carreras y de las alturas de la línea.
TRANSPORTADORES DE BANDA DE ACCIONAMIENTO EN EXTREMO D40

- Stock permanente. Plazos de entrega reducidos.
- Tensor integrado en accionamiento.
- Placas laterales de aluminio pintadas al horno.
- Tambores cilindrocónicos / cilíndricos con guiado inferior.
- Cuna de resina anti-abrasiva en anchos superiores a 200 mm.
- Transportador para cargas ligeras.
- Estructura de bastidor reducida.
- Longitud de transferencia de producto mínima.
- Posibilidad de montar empujadores en la banda.
- Bastidor de aluminio anodizado.
- Kit extremo Ø21.

OPCIONES

- Características generales

STB40-C DOBLE

- Transportador Doble de ancho especial.
- Transportador con la motorización interna.
- Transferencia lateral a 90º.

STB40-E

- Guías laterales fijas con inclinación.
- Transportador con caja de control modelo A. Sistema de triple guiado modelo D.
- Fotocélulas de saturación.

Aplicaciones

- Sistema pasivo de transferencia a 90º en rodadura.
- Banda de PU con empujadores de altura especial.
- Tolva de recepción con protección inferior integrada en el transporte.
- Guiado lateral regulable modelo C.
- Transportador con empujadores por elevación de producto.

APPLICATIONS

LA LIBERTÉ DE CONCEVOIR

APPLICATIONS

110
Aplicaciones

Guías laterales fijas con inclinación.

Transportador con caja de control modelo A. Sistema de triple guiado modelo D.

fotocélulas de saturación. fotocélulas.
Special double belt conveyor with central drive

Multiple double belt conveyors with timing belt drives

Double belt conveyor in a high complete automated storage
# Conveyor determination sheet

<table>
<thead>
<tr>
<th>Customer:</th>
<th>Distributor:</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td></td>
</tr>
<tr>
<td>Contact:</td>
<td>Elcom Contact:</td>
</tr>
<tr>
<td>Customer order No.:</td>
<td>Quotation No.:</td>
</tr>
</tbody>
</table>

**Type:** C 000

<table>
<thead>
<tr>
<th>Environment:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Carried part:</td>
<td></td>
</tr>
<tr>
<td>Carried load (kg):</td>
<td>No. Of parts:</td>
</tr>
</tbody>
</table>

**Accumulation:** |

**T°:** |

**°C** |

<table>
<thead>
<tr>
<th>Conveyor width:</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single / Double:</td>
<td></td>
</tr>
<tr>
<td>Non std width:</td>
<td>mm</td>
</tr>
<tr>
<td>Space between axes E:</td>
<td>mm</td>
</tr>
</tbody>
</table>

| Drive: | |
| Extremity ø21: | |

| Conveyor length L: | mm |
| Belt type: | |
| Belt: | |
| Other belt: | |
| Stainless steel plate: | |

| Number of strand carrier: | |

<table>
<thead>
<tr>
<th>Gear motor:</th>
<th>Other:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard speed:</td>
<td>m/min</td>
</tr>
<tr>
<td>Other:</td>
<td>m/min</td>
</tr>
<tr>
<td>Motor position (R/L):</td>
<td>Position moteur (T/P):</td>
</tr>
<tr>
<td>Motor position:</td>
<td>L1: mm</td>
</tr>
</tbody>
</table>

| Foot: | |
| Height: | mm |
| Distance between external feet L2: | mm |

| Number of feet: | |
| Number of carrier: | 0 |

| Lateral guide: |
| Length: | mm |
| Other (drawing ref.): | |

| Comments: | |

---

**Notes:**
- For Elcom D and the resellers, increase the price of the feet by x1.7.
- For Elcom D and the resellers, increase the price of the rails by x1.7.

---

**Diagram:**

- [Diagram of conveyor system with labels D1, D2, A1, A2, C1, C2, B1, B2, and arrows indicating direction of movement.]
Our website www.elcom.fr offers the possibility of configuring yourself on-line the conveyor corresponding to your needs.

Download the requested solutions in CAD 2D-3D format.

All CAD 2D-3D files are downloadable from our website.
Modular elements for industrialization

elcom
LA LIBERTÉ DE CONCEVOIR

www.elcom-automation.com