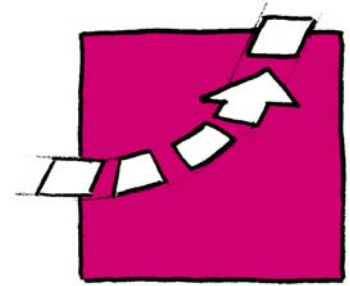


The strong belt bend for heavy loads



TRANSVER Belt Bend

KR

Description of function

The TRANSVER belt bend type KR has been particularly designed for conveying of heavy goods. It is distinguished by the extremely sturdy construction and at the same time smallest cylindrical end rollers. This allows safe and precise conveying of small, heavy goods in the food- and non-food industry. The specially guided and dimensioned lateral curved chain as well as the napped slider plate secure a smooth-running, even transport, also with under maximum belt load.

The automatic chain lubrication and the automatic chain tensioner secure a maximum operational reliability. In addition, a window built into the chain case allows to monitor the chain condition any time.

In spite of the sturdy construction of the bend type KR, the belt can be easily removed towards the centre.

Areas of application

For safe and gentle conveying of goods in the food- and non-food industries, e.g.

- Food
- Beverages (bottles/cans)
- Washing products / detergent industry
- Chemicals / pharmaceuticals
- Paper- / printing industry
- Mechanical industry
- Logistic applications

Technical data

Belt speed	<i>Up to 80 m/min on outer radius</i>
Belt load	<i>Up to 300 kg</i>
Noise level	<i>Depending on dimensions and speed</i>

Performance data may vary, depending on application

Standard-Specifications

Belt drive

Belt is pulled or pushed via loops by lateral curved chain. The motor, which is located at the outer radius of the bend, drives the shaft of the belt carrier chain by means of a drive chain. This guarantees a slippage-free belt drive in both running directions. Chain lubrication as well as chain tensioning are automatic.

The position of the drive unit can be chosen.

Conveyor belt

- Belt quality according to customer needs
- Endless welded
- Compatible with foodstuffs (FDA / HACCP)

End rollers

Cylindrical end rollers \varnothing 14 mm (Standard)

Supports

With supports for floor mounting

- Fixed (adjustable \pm 45 mm)
- Optionally without supports

Safety

- CE manufacturers declaration

Finish

- Mild steel, choice of RAL shades

Your benefits

- Favourable price-performance ratio:
 - The simple, modular design allows high flexibility with regard to customer-specific dimensions (angles, radius)
 - Fast installation / commissioning
 - Low maintenance costs
- High productivity:
 - High availability due to sturdy design, proven in multishift operation
 - Slippage-free drive due to lateral curved chain and loops
 - Low maintenance requirement
- Safe and gentle handling of small and unstable products due to minimal belt transition points with \varnothing 14 mm end rollers
- Extra sturdy construction
- Short delivery time

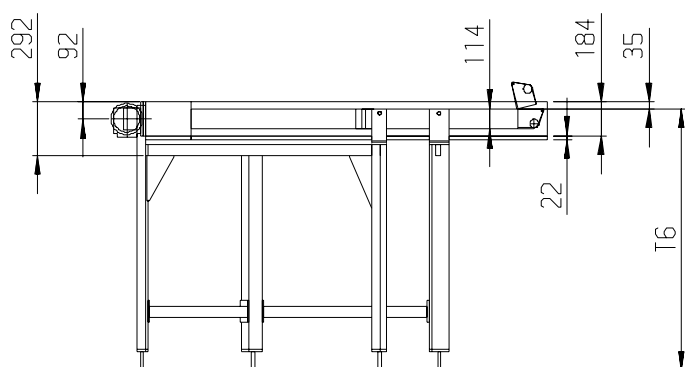
Mechanical options

- End rollers \varnothing 14 mm
- End rollers \varnothing 50 mm
- Supports on castors
- Without supports
- Preparation for ceiling suspension
- Catch tray
- Conveyor connections
- Undemeath guarding
- Side guides
- Trunking
- Further options on request

Electrical options

- Drive units according to customer requirements
- Frequency converter
- Disconnecter
- Further options on request

Dimensions (mm)



Inside radius Ri

Minimaler Ri

Angle	Belt Width BB 500 - 2000
45°	1100
60°	1025
75°	830
90 – 180°	700

- Maximum Ri 4000 mm depending on BB and angle
- For optimum operating conditions $Ri \geq \frac{1}{2} BB$

Useable belt width BB

- 500 up 2000 mm in steps of 50 mm
- 50 mm wider than the belt width of the adjoining components

Bend angle W°

- Any angle from 45° to 180°

Conveyance height t6

- 500 to 1500 mm

Running direction

- Clockwise (U)
- Anti-clockwise (G)

Other dimensions on request

