Technical News Bulletin
Cham, November 2011

182 Cross Conveyor - Cast Iron

Introduction
182 Cross conveyor has a unique cast iron girder, reducing vibrations and minimizing distortion due to the hot environment. It reduces installation service requirements (fluid cooling) and guarantees a long equipment life. The 182 Cross Conveyor fits nearly to all Lehr widths and heights.

Specification
- Cast Iron Girder
- Stainless Steel Dead Plates
- Hardened Spring Steel Wear Plates
- 6” [152.4mm ] Silent Chain Belt
- Supports different Lehr widths and heights
Availability / Application

**Supports 200-201**
Supports are available in 4 different Height Ranges

<table>
<thead>
<tr>
<th>Group</th>
<th>Lehr Heights</th>
<th>Range</th>
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<tbody>
<tr>
<td>Group 1</td>
<td>Lehr Heights</td>
<td>880mm to 965mm</td>
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<tr>
<td>Group 2</td>
<td>Lehr Heights</td>
<td>966mm to 1050mm</td>
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<td>Group 3</td>
<td>Lehr Heights</td>
<td>1051mm to 1130mm</td>
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<tr>
<td>Group 4</td>
<td>Lehr Heights</td>
<td>780mm to 879mm</td>
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The Support provides adjustment for height, Leveling and positioning to the lehr input roller as shown.

**Unique Cast Iron Beam 182- 202-XX**
Standard from 4 up to 7.5 metre in 1/2 metre steps.

Beams above 5.5 meters are supplied in two pieces with jointing plate, adjusting brackets and an additional center support.

**Dead Plate Adjustment 182-213**
Each individual dead plate is adjustable with three adjusting screws.
- Tilting
- Rocking
**Precise adjustment to Main conveyor**

The supplied interface bracket bolts securely to the Machine Conveyor drive end. The adjusting studs can then be used to provide a precise and stable adjustment for the height of the transfer plate.

**Drive End 182-204**

Standard Groups cater for M112 Flange mounted AC Motors (Reliance) and the Emhart Glass WHC Servo Motors.

The gear ratio caters for belt speeds from 6m/min to 72m/min
Installation Requirements

Basic Layout Dimensions required for Quote Specification. See also drawing 182-15900 and 182-15901 for further installation and specification details prior to order.

Required data for a quote

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LH Sweep
RH Sweep

Right Hand Shown

Conveyor Belt length  7.5 m  182- 206
Air Cooling Piping  7.5 m  182- 201
Features / Benefits

- Cast Iron Main structure
  - reduced vibration
  - reduced high temperature distortion
  - robust heavy duty
  - fluid cooling not needed
  - better container handling
  - increased stability container handling
  - longer equipment life
  - no running cost for cooling
- All lehr height supported
- Spring steel belt wear plates
  - one fits all
  - long girder life time
- Adjustable dead plates Tilt/Rocker
- Adjustable transfer bracket
  - smoother container transition
  - guaranties exact transition
- Prepared single connection to lub system
  - simple installation long life time

Option

- Cooling Piping for servo motor built in
  - simpler installation