Technical News Bulletin

April 2016

XConveyor - Cast Iron

Introduction

XConveyor has a unique cast Iron girder, reducing vibrations and minimizing distortion due to the hot environment. It reduces installation service requirements (fluid cooling) and guaranties a long equipment life. 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 182-201
Supports are available in 4 different Height Ranges

<table>
<thead>
<tr>
<th>Group</th>
<th>Lehr Heights</th>
<th>880mm to 965mm</th>
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<tbody>
<tr>
<td>Group 1</td>
<td>Lehr Heights</td>
<td>966mm to 1050mm</td>
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<tr>
<td>Group 2</td>
<td>Lehr Heights</td>
<td>1051mm to 1130mm</td>
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<tr>
<td>Group 3</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  better container handling
  - reduced high temperature distortion  increased stability container handling
  - robust heavy duty  longer equipment life
  - fluid cooling not needed  no running cost for cooling
- All lehr height supported  one fits all
- Spring steel belt wear plates  long girder life time
- Adjustable dead plates Tilt/Rocker  smoother container transition
- Adjustable transfer bracket  guaranties exact transition
- Prepared single connection to lub system  simple installation long life time

Option

- Cooling Piping for servo motor built in  simpler installation