With the UCon1/UCon2, Westeria® offers you the ideal troughed belt system for particularly fine-grained loose bulk goods. The sophisticated construction of this rolling conveyor system with its outstandingly leak-tight sides is extremely hardwearing and thus has an extremely long service life. The Westeria® UCon1/UCon2 conveyor belt system can be optionally combined with a walkway on both sides. Westeria® offers the right solution for every feed material.
Advantages

- Fast plant planning thanks to 2D and 3D planning modules
- Maximum conveyor performance up to 2000 t/h
- Flexible use for all conveyor applications
- The conveyor length can be altered and expanded at any time due to its modular construction
- Generous maintenance access in the area of the wipers and transfer chutes
- Closed construction geometry without contact points fulfills all applicable accident prevention regulations
- Driving drums and deflection rollers are simple to remove from the side
- All idlers can be replaced from the side, without lifting the belt
- Optional sliding plate for top
- Adjustable side sealing for use with fine-grained material
- Each idler and return idler can be replaced from the side without lifting the belt
- Height-adjustable and sliding support feet for problem-free assembly
1. Frame construction
UCon1:
t = 4 painted
UCon2:
t = 6 painted
Side sealing:
Rubber adjustable t = 10
Shore 65
Frame sections:
max. section 2,970 mm
Trough angle:
120°

2. Belts with profiles and T-cleats
Profile belt:
15/25/32 mm – Ødrum 240/240/320
Cleated belt:
max. cleated belt 60 mm – Ødrum 240
Return idler design on cleated belt with bolted, replaceable hard plastic discs Ø250 mm

3. Drum diameters
UCon1:
Clamping station: 240/320 mm
Drive station: 240/320/400 mm
UCon2:
Clamping station: 320/400/500 mm
Drive station: 320/400/500 mm
Optional:
Rubber diamonding t = 8 mm black

4. Wipers
External belt wipers
Head wipers: Individually spring-loaded hard metal segments
Slat wipers:
- Plastic slat, hard metal slat
- In eccentric bearings, in Rosta
Spring elements, adjustable
Double wiper:
Combination of head and slat wipers
Hoesch wiper:
Hoesch external belt wiper Type B6
Internal belt wipers
V-wiper

5. Drive
Drive types:
Flat gears / optional bevel gears
Manufacturer:
SEW

6. Covers
Lower belt covers
Types of version:
foldable sheets galvanised t = 1,5 possible for all belt widths
Hood covers:
edged in roof shape t = 1,5 galvanised
Achenbach system hood covers

7. Side slats
t = 3 galvanised
Side slat risers:
Made of galvanised steel plate t = 3 mm in C design
Height:
250/500 mm
optional sealing system with sliding support

8. Supports
max. support spacing see dimensions table
H supports:
max. support height 9 m
A supports:
max. support height 9–20 m
Ceiling suspensions
Pylon supports
Portal supports

9. Impact tables
Impact table can be installed in modules, segment with replaceable plastic guide rails
Belt width:
Available up to 2,000 mm
Basic length:
1,250 mm
Basic quality:
Plastic PE500

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Impact table can be installed in modules, segment with replaceable plastic guide rails
Belt width:
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* applies to all belt widths

Dimension Sheet

H1

BG
B1
BN

max. support spacing
Walkway connection
Support spacing with walkway connection
Westeria® conveys values

Production, logistics, recycling – when conveying general loads or bulk material and in case of separating and sorting mixed valuable substances and materials: special solutions are necessary – they have to be economical, solid, lasting, reliable and made for special requirements.

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