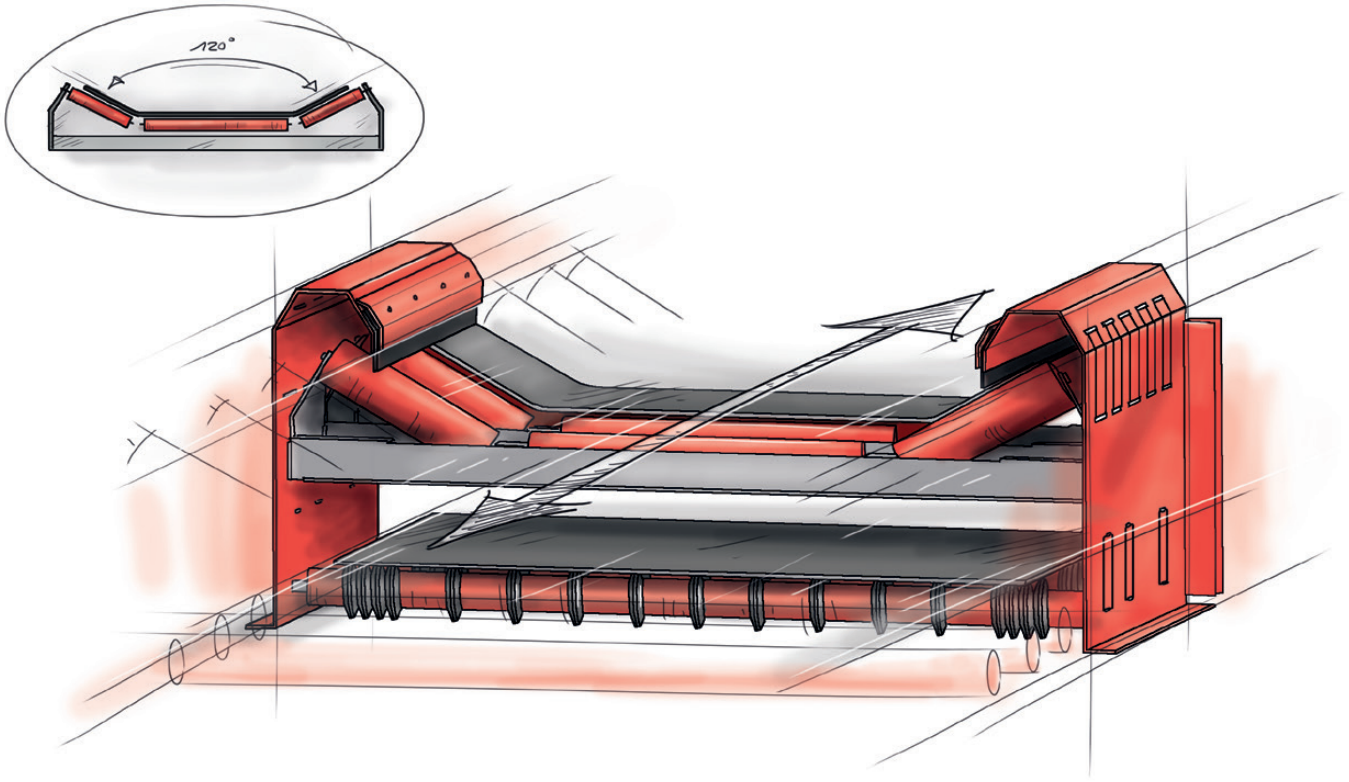
WESTERIA®
FÖRDERTECHNIK

Conveying Systems

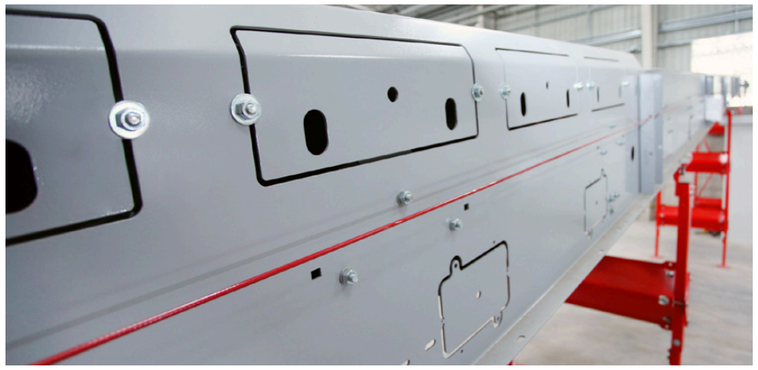


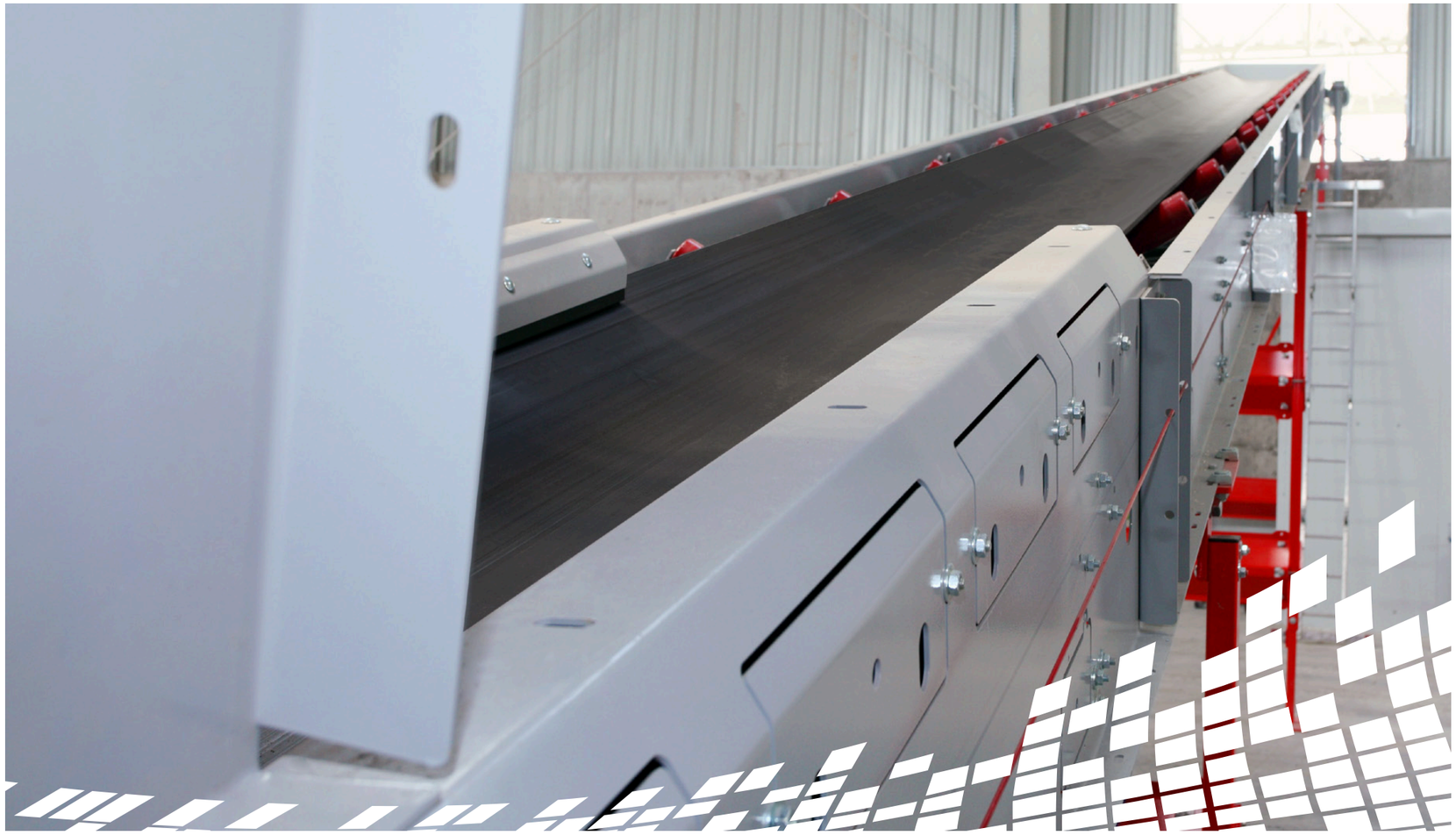
UCon

Product Description

Troughed belt conveyor **U**Con1 / **U**Con2

With the **U**Con1 / **U**Con2, 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® **U**Con1 / **U**Con2 conveyor belt system can be optionally combined with a walk-way on both sides. Westeria® offers the right solution for every feed material.

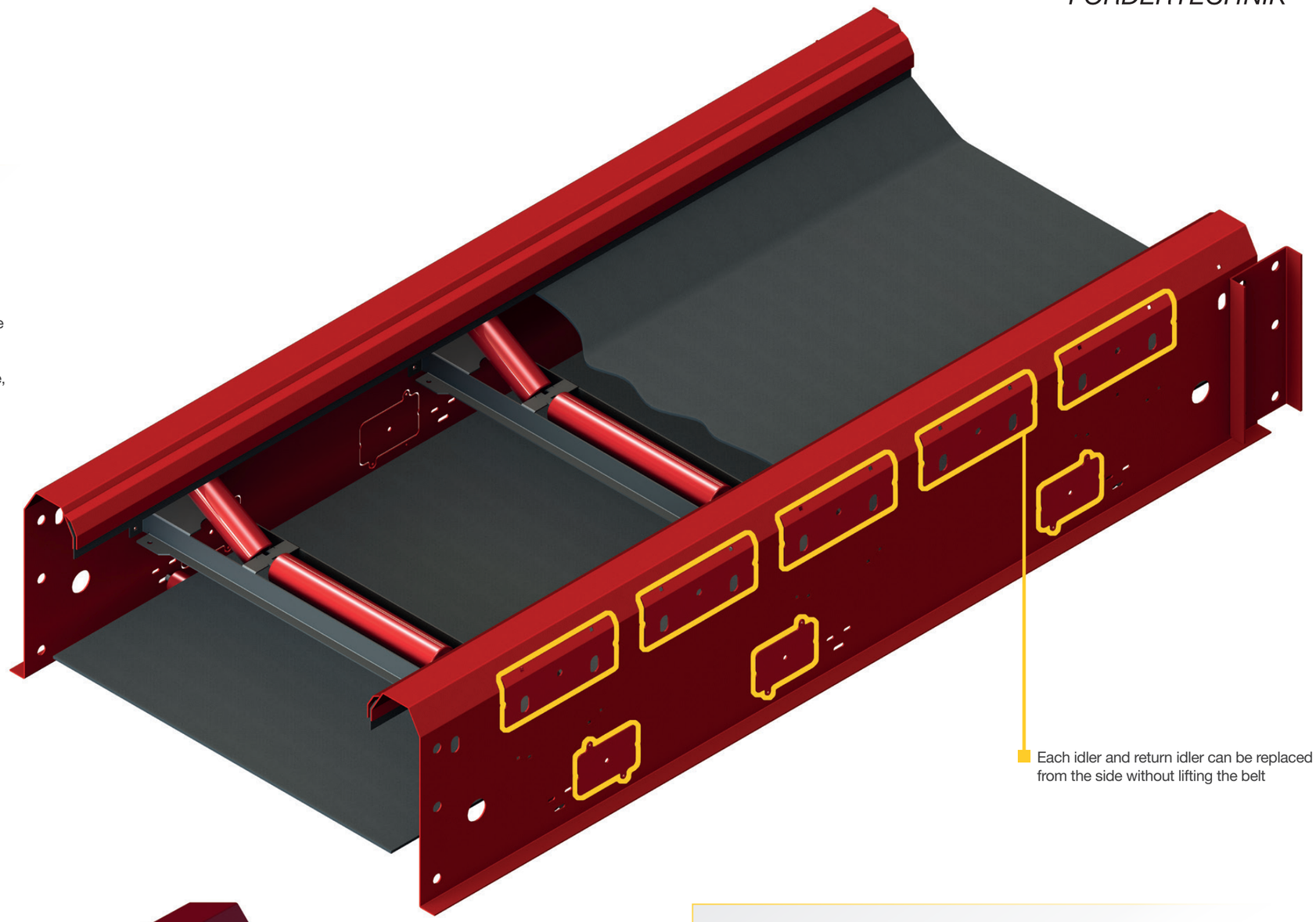




Advantages

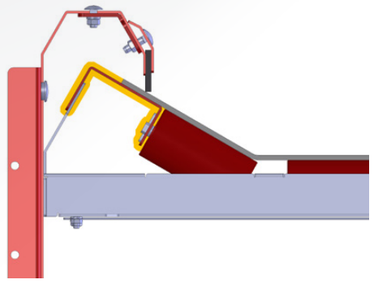
- Fast plant planning thanks to 2D and 3D planning modules
- Maximum conveyor performance up to 2000 t/h
- Flexible use for all conveyor applications
- The conveyor length can be altered and expanded at any time due to its modular construction

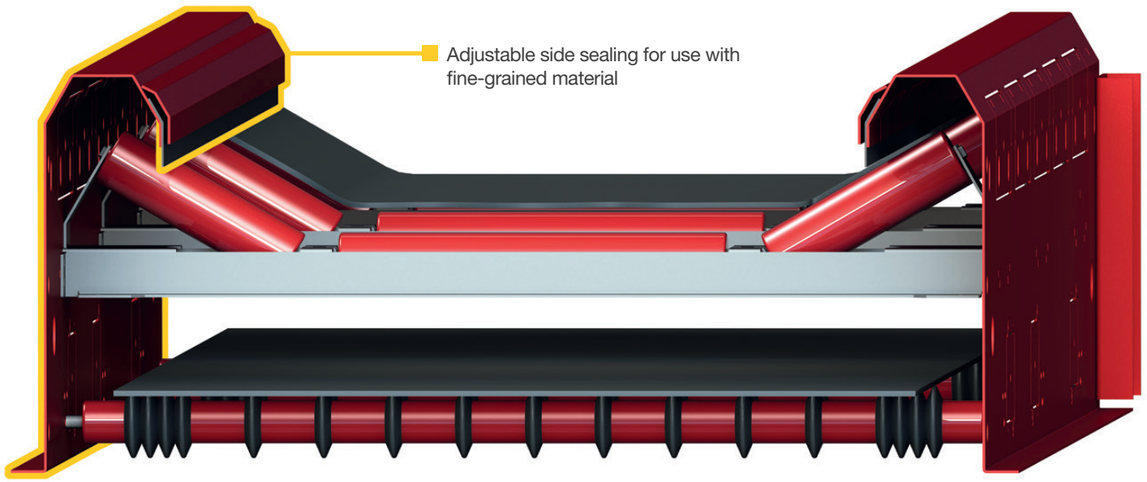
- Generous maintenance access in the area of the wipers and transfer chutes
- Closed construction geometry without contact points fulfil all applicable accident prevention regulations
- Driving drums and deflection rollers are simple to remove from the side
- All idlers can be replaced from the side, without lifting the belt



- Each idler and return idler can be replaced from the side without lifting the belt

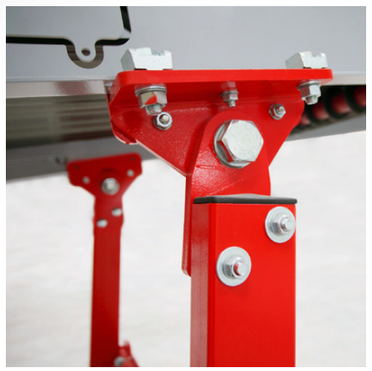
- Optional sliding plate for top





- Adjustable side sealing for use with fine-grained material

- Height-adjustable and sliding support feet for problem-free assembly



Technical Data
UCon1 / **U**Con2

1. Frame construction

***U**Con1:*
t = 4 painted

***U**Con2:*
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 – Ø drum 240/240/320

Cleated belt:
max. cleated belt 60 mm – Ø drum 240
Return idler design on cleated belt
with bolted, replaceable
hard plastic discs Ø 250 mm

3. Drum diameters

***U**Con1:*
Clamping station: 240/320 mm
Drive station: 240/320/400 mm

***U**Con2:*
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

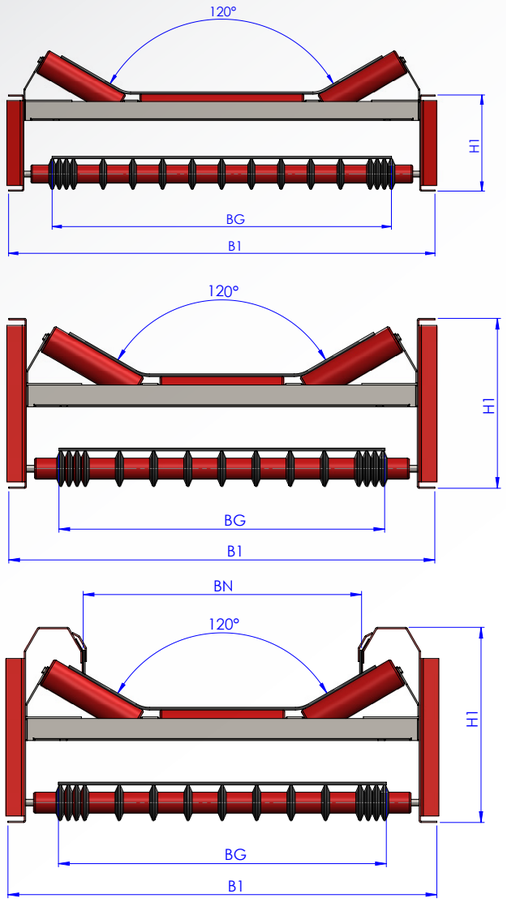
Belt width:
Available up to 2,000 mm

Basic length:
1,250 mm

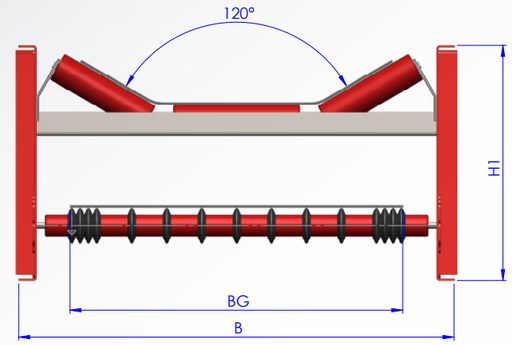
Basic quality:
Plastic PE500

Dimension Sheet

UCon1



UCon2



UCon1 / **U**Con2		
BG	**B1**	**BN**
500	820	328
650	970	478
800	1120	628
1000	1320	828
1200	1520	1028
1600	1920	1428
2000	2320	1828

UCon1*			
H1			
340	6	nein	–
521	8	nein	–
595	8	nein	–

* applies to all belt widths

UCon2*			
H1			
706,5	15	ja	15
780	15	ja	15

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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