

# AirStar

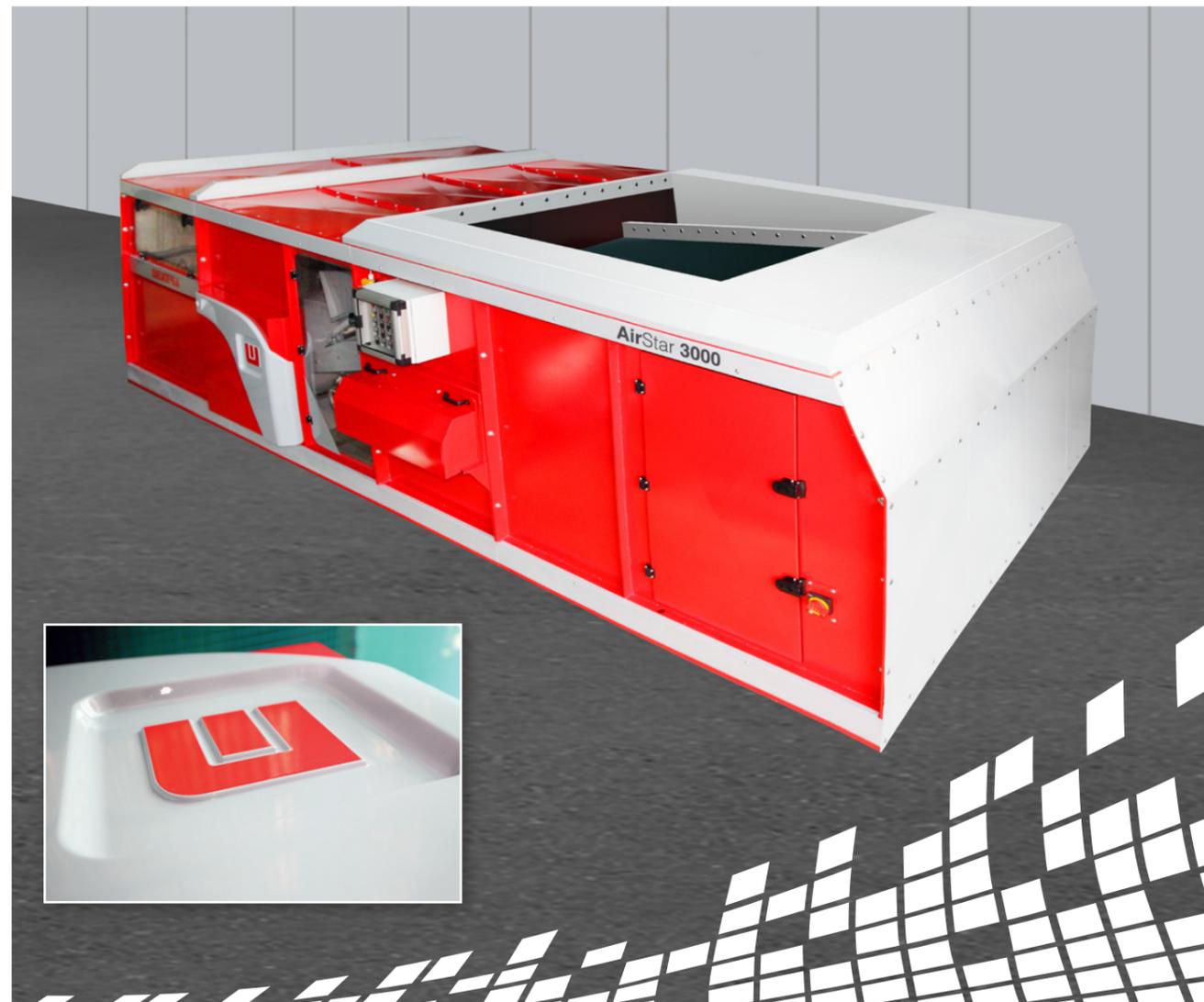


# Product description

## AirStar

The **AirStar** is the best seller amongst the stationary wind sifter models from Westeria®. 25 years of constructive development history packed into a new, appealing product design, qualifies this „compact system“ as the top of the range on the market. All the relevant sections are easily and individually adjustable with ideal accessibility of the maintenance elements at the same time. The **AirStar** is the only wind sifter on the market with a working width of 3000 mm. Nonetheless, our engineers and technicians succeeded in realising an

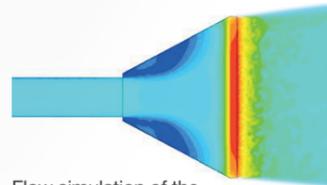
extremely compact construction. The new **AirStar** is also set up for the world-wide export of the tried and tested Westeria® windsifter technology in standard sea containers. The patented Westeria® system with the highest aerodynamic efficiency creates an unbelievable throughput of up to 400 m³/h. Of course we also offer you innovative, tailor made and sustainable technology in the area of mechanical advancement. You can choose between solutions for your whole process or individual sub areas.



# Advantages

## Performance

- Capacities up to 400 m<sup>3</sup>/h
- Modular system working width of 1000 mm to 3000 mm
- Individual design for every application area due to the modular adjustable expansion room
- Aerodynamic optimised blowing nozzle system with 60% higher nuclear radiation speed in the case of lower electrical power



Flow simulation of the optimised blowing nozzle system

- All wind sifters in the model range **AirStar** are easy and quick to disassemble into modules for transport in standard sea containers
- Assembled and ready to use in just 1-2 days
- Blower integrated into the casing for easier accessibility and reduction of noise impact

## Maintenance

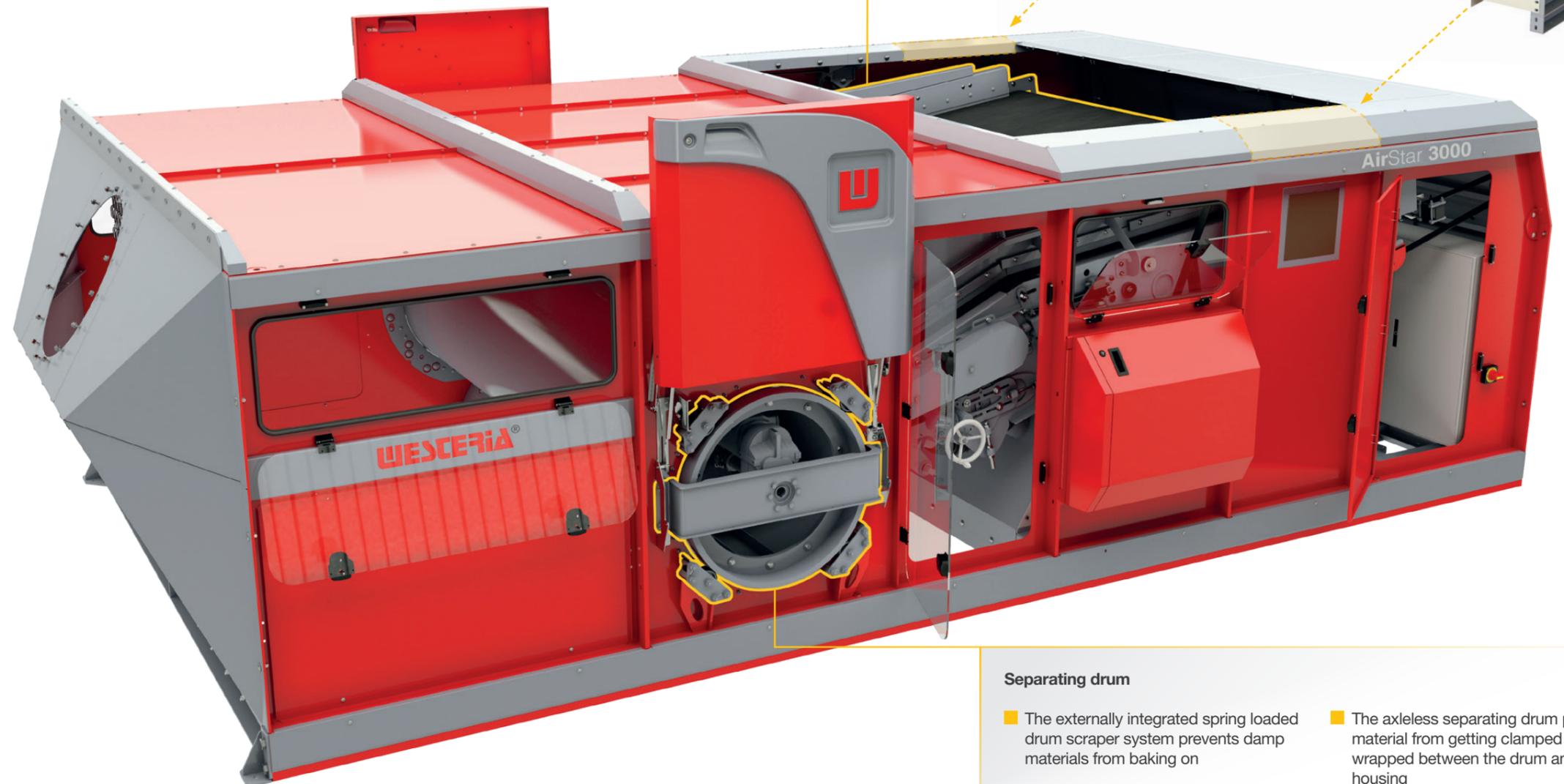
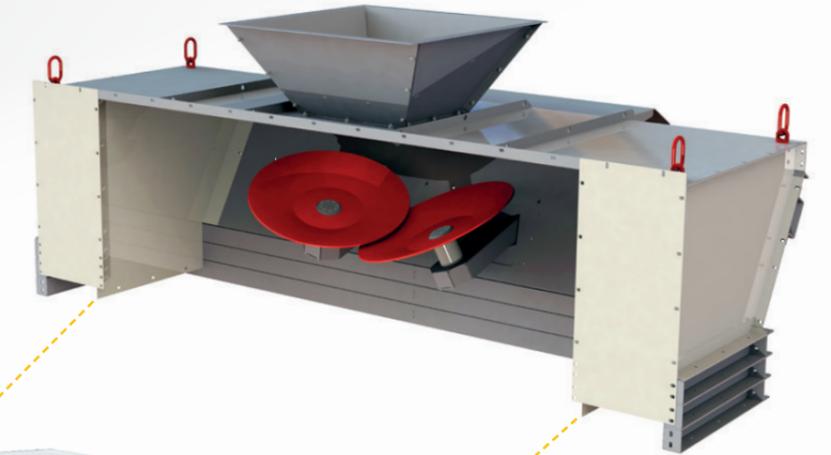
- Standardised scaling for all setting parameters guarantee optimal reproducibility of separation results
- Feed conveyor belt adjusting system with woven plastic lifting belts prevent the spindle jacks from seizing up - even after many years of use the simple adjustability is proven without increased expenditure of effort
- Particularly generously proportioned access openings for simple and easy maintenance

## Acceleration belt

- Speed of up to 3 m/s guarantees the highest throughput with the optimal separation result
- An impact table integrated into the acceleration belt as standard prevents damage to the load bearing rollers
- Fixed connection frames independent of the movements of the acceleration belt, for easy connection of chutes
- The patented, fully automated belt steering system guarantees very long belt service lives
- Simple, tool free „one hand adjustability“ of the nozzle angle, the horizontal and vertical feed in conveyor position and the air throttle

## Optional DiscSpreader®

- Optional integratable spreading mechanism **DiscSpreader®** ensures optimal material spreading, even in the case of non linear material feeding
- Enables the use of the whole machine width
- Safe material spreading over 3000 mm with a feed in belt width of 650 mm

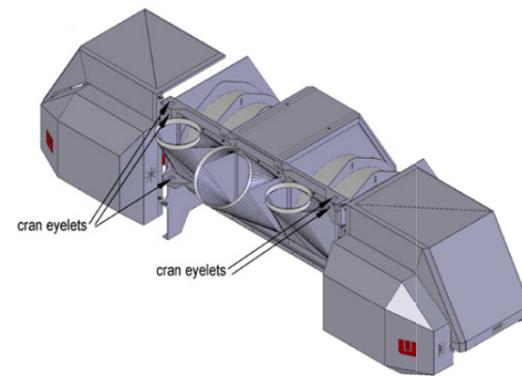
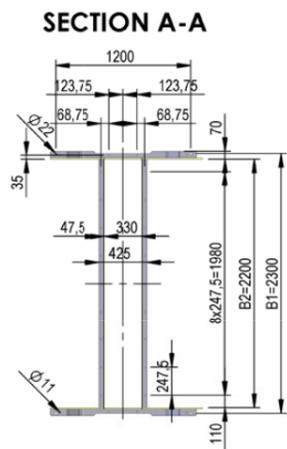
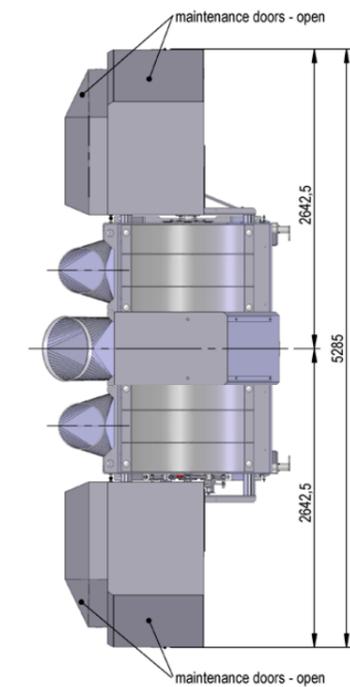
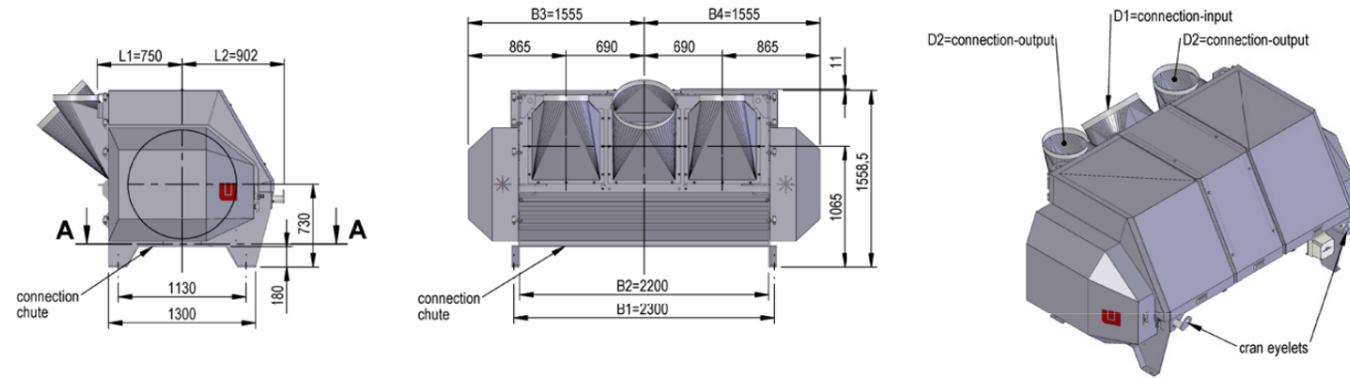


## Separating drum

- The externally integrated spring loaded drum scraper system prevents damp materials from baking on
- The separating drum seal can be adjusted effortlessly from outside
- The axleless separating drum prevents material from getting clamped or wrapped between the drum and the housing
- Gas pressure damper supports drum coverage, enables very easy maintenance access

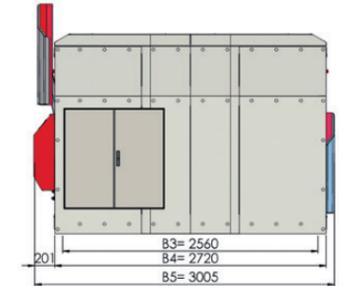
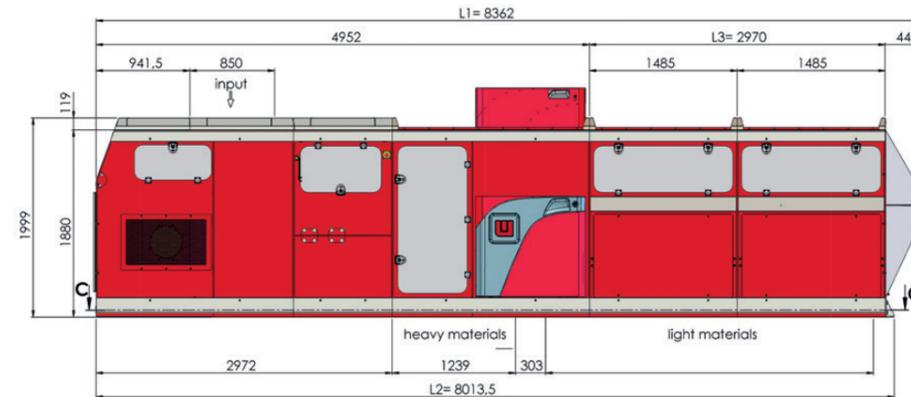
# Technical data

## Light material separator LT

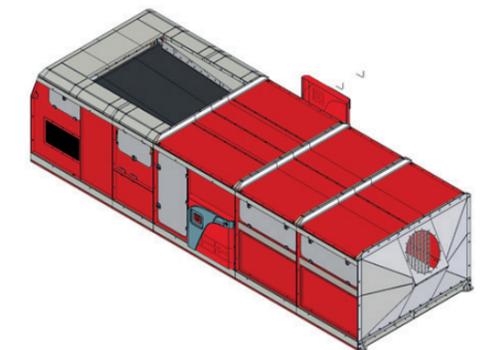
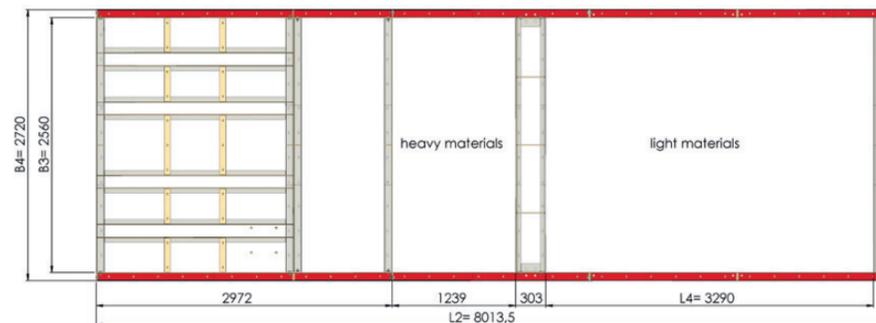


Model	Parameter	LT-15	LT-25 (drawed example)
B1	Connection width	1425 mm	2300 mm
B2	Inside flange width	1325 mm	2200 mm
B3	Axis to outer edge	1118 mm	1555 mm
B4	Axis to outer edge (drive)	1118 mm	1555 mm
L1	Axis to outer edge	740 mm	750 mm
L2	Axis to outer edge	810 mm	902 mm
D1	Diameter-input	NW 450 mm	NW 560 mm
D2	Diameter-output	NW 300 mm	NW 400 mm
-	Weight	1340 kg	1920 kg

## Windsifter AirStar



SECTION C-C



Model	Parameter (mm)	WS2-L1-1000	WS2-L2-1000	WS2-L3-1000	WS2-L1-1500	WS2-L2-1500	WS2-L3-1500	WS2-L1-2000	WS2-L2-2000 (drawed example)	WS2-L3-2000	WS2-L1-2500	WS2-L2-2500	WS2-L3-2500	WS2-L1-3000	WS2-L2-3000	WS2-L3-3000
L1	Length over all	6877	8362	9847	6877	8362	9847	6877	8362	9847	6877	8362	9847	6877	8362	9847
L2	Contact length	6528,5	8013,5	9498,5	6528,5	8013,5	9498,5	6528,5	8013,5	9498,5	6528,5	8013,5	9498,5	6528,5	8013,5	9498,5
L3	Length of light-material-chamber	1 x 1485 = 1485	2 x 1485 = 2970	3 x 1485 = 4455	1 x 1485 = 1485	2 x 1485 = 2970	3 x 1485 = 4455	1 x 1485 = 1485	2 x 1485 = 2970	3 x 1485 = 4455	1 x 1485 = 1485	2 x 1485 = 2970	3 x 1485 = 4455	1 x 1485 = 1485	2 x 1485 = 2970	3 x 1485 = 4455
L4	Length of light-material-chamber outfall	1805	3290	4775	1805	3290	4775	1805	3290	4775	1805	3290	4775	1805	3290	4775
B1	Nominal width / belt width	1000	1000	1000	1500	1500	1500	2000	2000	2000	2500	2500	2500	3000	3000	3000
B2	Effective width	822	822	822	1322	1322	1322	1822	1822	1822	2322	2322	2322	2822	2822	2822
B3	Inside flange width	1560	1560	1560	2060	2060	2060	2560	2560	2560	3060	3060	3060	3560	3560	3560
B4	Outside flange width	1720	1720	1720	2220	2220	2220	2720	2720	2720	3220	3220	3220	3720	3720	3720
B5	Width over all (asymmetric)	2005	2005	2005	2505	2505	2505	3005	3005	3005	3505	3505	3505	4005	4005	4005
	Max. transport width	1950	1950	1950	2450	2450	2450	2950	2950	2950	3450	3450	3450	3950	3950	3950

## 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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