

# RELIABLE ACCURACY



Type	JesBelt A	JesBelt S
Typical applications	A wide range of coarse, granular and dust like bulk materials.	A wide range of coarse, granular and dust like bulk materials.
Benefits	High accuracy and linearity. High operational reliability. Long lifetime. Wide range of applications. Complies with current and future EU directives.	High accuracy and linearity. High operational reliability. Long lifetime. Wide range of applications. Minimum length
Approvals	Class 0.5, 1 and 2 according to OIML R50, Welmec and MID	
Accuracy from*	±0.25%	±0.5%
Capacity range	0.2 - 1000 m3/h	0.2 - 1000 m3/h
Product temperature	-30°...110°/150°	-30°...110°/150°
Atex option	Zone 21+22 - Zone 1+2	Zone 21+22 - Zone 1+2
Belt width	500-1600 mm	500-1600 mm
Regulation range Feeding/weighing Belt speed	10:1 30:1	10:1 30:1
Construction	St. 37 or AISI 304 Open or with cabinet	St. 37 or AISI 304 Open or with cabinet
Options	Dust cover with inlet funnel and scraper in- and outside the belt. Dust collecting tray. Dust collecting tray with emptying conveyor.	Dust cover with inlet funnel and scraper in- and outside the belt. Dust collecting tray. Dust collecting tray with emptying conveyor.

\* Accuracy is depending on product characteristics and final design.



## Jesbelt S – versatile with optimum lifetime and reliability

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The reliable and accurate weigh feeder JesBelt S provides a competitive alternative to the JesBelt A in weighing processes where no trade approval is required.

Through careful design and a thorough selection of parts the JesBelt S provide excellent reliability and optimum lifetime.

With the unrivalled flexible design the JesBelt S is suitable for a wide range of process industries where high accuracy and linearity form the basis of an efficient production line.

The weighing section in the JesBelt S is inserted in the construction as a roller mounted on 2 pcs load cells. This construction provides excellent stability and accuracy, and together with the high signal rate incremental encoder (Tacho), a perfect operation and reliability in the daily use is achieved.

The Jesbelt S is equipped with a high signal rate incremental encoder (Tacho). The Tacho is mounted to the idle drum of the conveyor, thus continuously monitoring the speed of the belt and alarming the operator by the slightest irregularity in the operation of the weigh feeder.

The conveyor belt is fitted with plough shaped scraper on the inside of the belt. The scraper ensure that any adhesive material is removed from the belt thus not influencing the weighing accuracy.

The JesBelt S is available in a range of standard sizes manufactured from coated steel, stainless steel AISI 304, or in a combination with product wetted parts in stainless steel.

Beside the wide standard range, the JesBelt S is also available as project designed equipment for any requirement.

A wide range of accessories are available for an individual design of the weigh feeder:

- Flexible rim to eliminate product spill
- Dust cover including outside scraper of the belt, flanged inlet and outlet and dust extraction connection
- Dust tray for manual emptying
- Dust tray with emptying conveyor
- Scrapers for adhesive and sticky products
- Inlet funnel with damper for regulation of product flow
- Outlet funnel
- Belt tracking switches
- Automatic belt alignment JesTrack
- Emergency stop with wire
- ATEX compliant components for zone 21+22 and 1+2

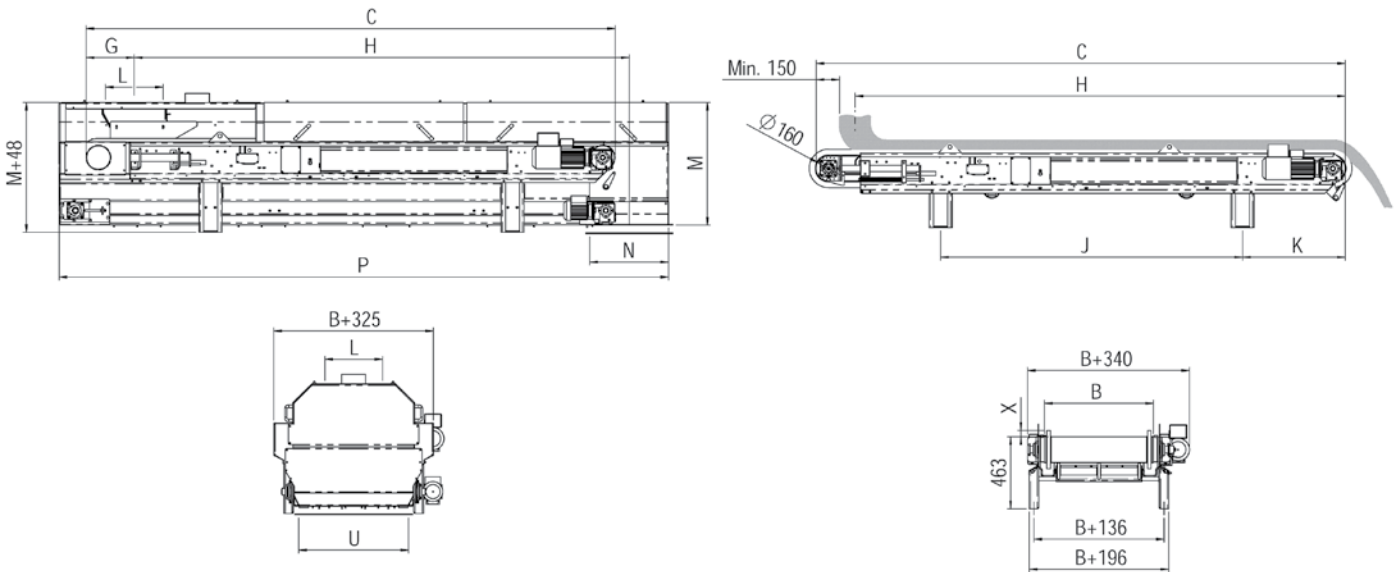
General conditions of the JesBelt S:

- Accuracy from 0,5% (Subject to final design and product characteristics)
- Max. Capacity: 1000 m<sup>3</sup>/h



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## Standard range JesBelt S



<b>JesBelt S 500 [up to 60 m³/h]</b>													
C	B	J	K	H*	G	L	U*	M*	N*	P	X**	Weight open	Weight closed
2200	500	1140	450	2030/2050	160	200	466/506	610/790	466/506	2715	20-100	280 kg	650 kg
2800	500	1540	550	2630/2650	160	200	466/506	610/790	466/506	3315	20-100	295 kg	700 kg
3400	500	1940	650	3230/3250	160	200	466/506	610/790	466/506	3915	20-100	310 kg	750 kg
4200	500	2740	650	4030/4050	160	200	466/506	610/790	466/506	4715	20-100	330 kg	820 kg
<b>JesBelt S 700 [up to 120 m³/h]</b>													
2800	700	1540	550	2580/2600	210	300	666/706	610/790	466/506	3315	20-100	325 kg	870 kg
3400	700	1940	650	3180/3200	210	300	666/706	610/790	466/506	3915	20-100	340 kg	920 kg
4200	700	2740	650	3980/4000	210	300	666/706	610/790	466/506	4715	20-100	360 kg	990 kg
<b>JesBelt S 900 [up to 250 m³/h]</b>													
2800	900	1540	600	2530/2550	310	500	866/906	700/880	566/606	3415	20-100	355 kg	1040 kg
3400	900	1940	700	3130/3150	310	500	866/906	700/880	566/606	4015	20-100	370 kg	1090 kg
4200	900	2740	700	3930/3950	310	500	866/906	700/880	566/606	4815	20-100	390 kg	1160 kg
<b>JesBelt S 1100 [up to 400 m³/h]</b>													
3400	1100	1940	700	3030/3050	410	700	1066/1106	700/880	566/606	4015	20-100	400 kg	1260 kg
4200	1100	2740	700	3830/3850	410	700	1066/1106	770/880	566/606	4815	20-100	420 kg	1330 kg

X = flexible rim or guide rails

\* Standard length or with manual dust tray / length with emptying conveyor

\*\* Depending on belt type