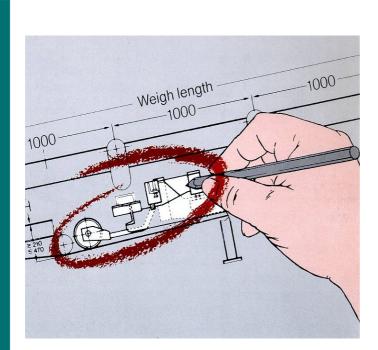


Recommendations for the Installation Planning of Belt Weighers



10 rules to ensure proper functioning and high accuracy

Strict observation of the following rules is essential with a view to minimizing factors which might adversely affect the functioning and measuring accuracy of the belt weigher, and which originate from the weigher environment. For maximum accuracy (related to the actual value), rules 4, 5 and 9 are of particular importance.

The measuring stations themselves are of rugged design, and resistant to torsion.

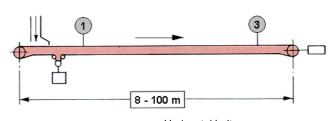
Detailed instructions for installation and alignment are given in our installation, calibration and commissioning instructions

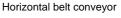


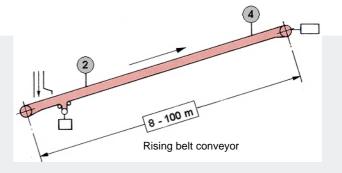
Install the belt weigher in a straight belt section

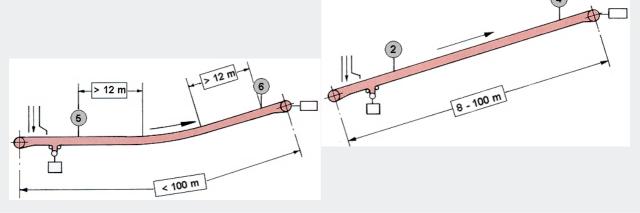
The adjacent illustrations show a number of typical locations of belt weighers for different conveyor belt arrangements.

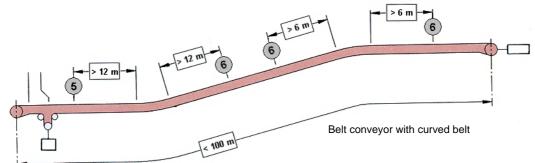
The numbers in the circles represent a rating scale (from 1 = to be preferred to 6 = unfa-vourable), characterizing the influence of the place of installation on the accuracy of the belt weigher.











The angle of inclination of the belt must be such that there is **no relative movement of the material** handled.

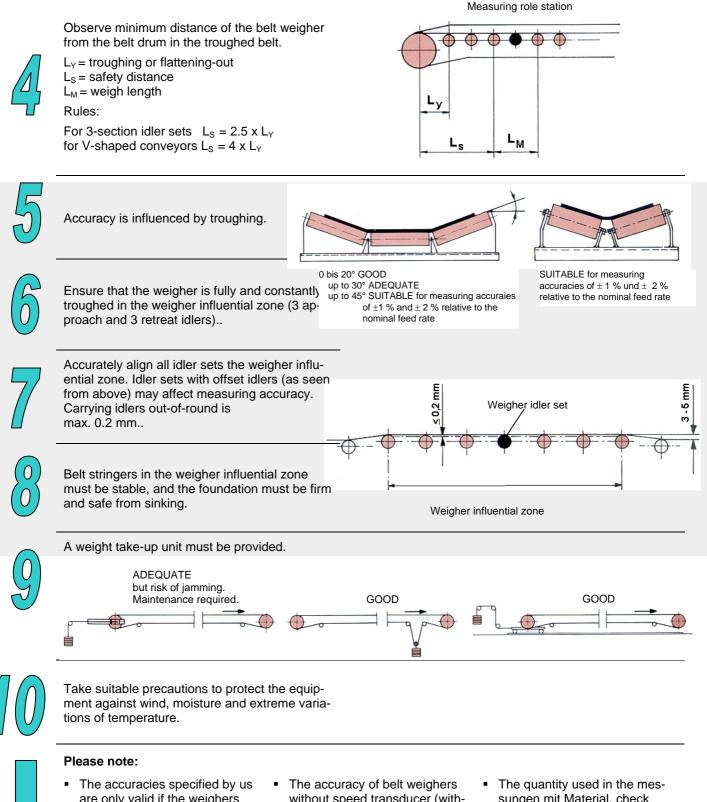
Install the belt weigher sufficiently far away from the hopper to ensure that the bulk solids flow has settled and there is no relative movement of the material.

Feed-hopper, transfer chute, etc.

Weigher influential zone

Weigh length

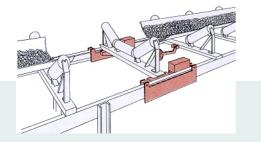
No relative movement of material handled

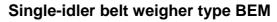


- are only valid if the weighers are serviced, maintained, and calibrated as instructed, and installed in accordance with these recommendations for the installation planning of belt weighers.
- In the case of legal-for-trade belt weighers, the pertinent local weights and measures regulations must also be observed.
- The accuracy of belt weighers without speed transducer (without v-measurement) varies as a function of the fluctuation in belt speed.
- Proof of accuracy is obtained by performing check measurements with material.
- The quantity used in the messungen mit Material. check must be at least 10 % of the hourly totalized quantity at nominal feed rate (Inom), and one belt circuit must have been completed.
- Before installation of belt weighers, check to see that site can easily be accessed.

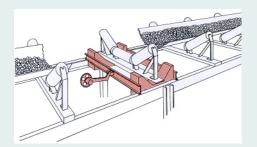


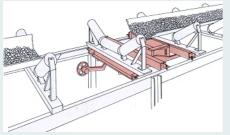
The Right Belt Weigher for Every Belt Conveyor

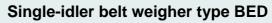




Achievable accuracy:	± 1 %
Maximum feed rate:	approx. 4.000 t/h
Range of belt widths:	400 – 1.400 mm







Achievable accuracy:	\pm 0,5 %
Maximum feed rate:	approx. 15.000 t/h
Range of belt widths:	1.600 – 2.000 mm

Multi-idler belt weigher type BMP

Achievable accuracy:	\pm 0,25 %
Maximum feed rate:	approx. 15.000 t/h
Range of belt widths:	500 – 2.000 mm

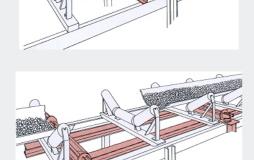
Single-idler belt weigher type BEP

Achievable accuracy:	\pm 0,5 %
Maximum feed rate:	approx. 6.000 t/h
Range of belt widths:	400 – 1.400 mm

Multi-idler belt weigher type BMC

Achievable accuracy:	± 0,25 %
Maximum feed rate::	approx. 20.000 t/h
Range of belt widths:	500 – 2.000 mm

Higher belt widths available upon requeste



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