



BS143
BELTSCALE



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WEIGHING SYSTEMS
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BS143

BELTSCALE



Belt scale model BS14x can be used in a variety of applications, especially those requiring high levels of accuracy.

The weighframe is tailor-made to fit in the conveyor, reducing conveyor modifications to a minimum.

This model can be used for approved applications and is also available for ATEX categories II2D and II3D (zone 21 and 22).

Weighframe, model BS143

- Construction:** Outer frame with two loadcell carrier beams (with in total four loadcells), which are mounted across the stringers of the belt conveyor. Hereunder the inner frame (weighed is mounted as a free floating platform, on which two or more idler sets are placed.
- Mounting:** The weighframe fits in any kind of standard conveyor and is assembled in our factory to one piece, so it can be mounted with only 8 bolts into the conveyor.
- Material:** Steel St.37 / SS304
- Finishing:** Powder coating, colour RAL 3020 / Shot blasting SA 2.5
According to procedure:
- Shot blasting SA 2.5
 - One layer epoxy powder coating, weather proof type
 - Thickness minimum 80 µm

Loadcell (4x)

- Type loadcell:** Tension force transducer
- Execution:** Hermetically sealed, IP67
- Material:** SS

Junctionbox, model JBL

- The Junctionbox is placed near the weighframe.
- Dimensions:** 254 x 180 x 90 mm (l x w x h)
- Material:** Shockproof reinforced polycarbonate
- Protection:** IP66
- Loadcells:** up to 4 pieces (4- of 6-wires)
- Speed pickup:** yes (2- or 3-wires)

Speed Pick-Up, model SPU 5020 / 5826

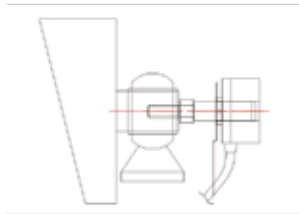
This digital speed pickup is mounted directly on the axle end of the none driven drum.

- Housing:** Aluminium / SS304, IP66

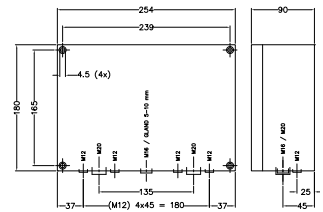
Electronics

See applicable datasheet.

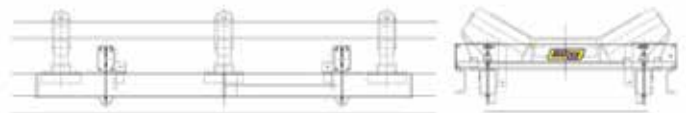
SPEED PICKUP



JUNCTION BOX



WEIGHFRAME WITH LOADCELL



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Rice Lake Weighing Systems Europe B.V.
Weiland 11 • NL-6666 MH Heteren • The Netherlands
TEL: +31 (0) 26 472 1319 • FAX: +31 (0) 88 234 9100 • www.ricelake.eu

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