



Simple, safe and accurate
test weight calibration



Milltronics MWL

Answers for industry.

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Milltronics MWL

Calibration of a belt scale is important to ensure consistent and accurate results. Milltronics MWL Weight Lifter allows simple, reliable and safe mechanical calibration for Milltronics MSI, MMI, MBS, MCS and MUS belt scales. Milltronics MWL mechanically raises the static weights for secure storage above the belt scale calibration arms, and allows the operator to lower and apply them safely. Combined with a Milltronics belt scale, speed sensor and integrator the Milltronics MWL simplifies the calibration process to ensure consistent accuracy and reliability of the belt scale system, while providing for improved safety.

- Manual operation with a crank handle uses a high mechanical advantage to enable weights up to 340 kg (750 lbs) to be applied with very limited effort
- Optional motorized AC version (208-240, 380-480, 575 VAC)
- MWL is compact and mounts under the conveying belt strand storing the calibration test weights when they are not in use
- Simple installation, with just four bolt holes for mounting
- Safe and easy operation with the operator remaining external to the conveyor
- Enclosed housing offers protection against falling debris and coarse particle ingress and eliminates pinch points ensuring safe operation of gear modules

Milltronics MWL

Mode of operation

Calibration principle

Mechanical calibration weight lifter for Milltronics MSI, MMI, MBS, MCS, and MUS belt scales. The MWL mechanically raises and lowers the static calibration-weights used to calibrate Milltronics belt scales.

Application

Span calibrations on belt conveyors

Target industries

- Mining
- Aggregates
- Cement
- Steel
- Power

Components

- Left-handed and right-handed crank body, each connected to a lifting-pad with guide-pin
- Torque tube, to connect the left and right crank shafts
- Crank handle, to be mounted to either the left or right input shaft (optional motorized version)
- U-clamp to secure flat bar calibration-weights
- Optional base-bar with integrated round bar weight, or optional base-bar to support other types of calibration weights
- Optional shaft extension; adds 102 mm (4") to handle shaft length

Belt width

Milltronics MUS-SD

Up to 1000 mm (42" CEMA)

Milltronics MUS-HD

Up to 1600 mm (60" CEMA) can also be applied to narrower conveyors

Milltronics MSI

500 to 2000 mm (18" to 96" CEMA)

Milltronics MMI

Consists of two MSI scales, 2 MWL units are required

Milltronics MBS

Up to 1000 mm (42" CEMA)

Milltronics MCS

Up to 1600 mm (60" CEMA)

Idler spacing

Minimum of 610 mm (24")

Calibration weight capacity

340 kg (750 lbs)

Crank arm (manual version)

- Mechanical advantage 20:1
- Number of revolutions required for raising or lowering 12

Approvals

Manual version: compliant with Directive 98/37/EC, CE, C-TICK
Motorized version: CSA C/US, CE, C-TICK

Specifications are subject to change without notice.

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