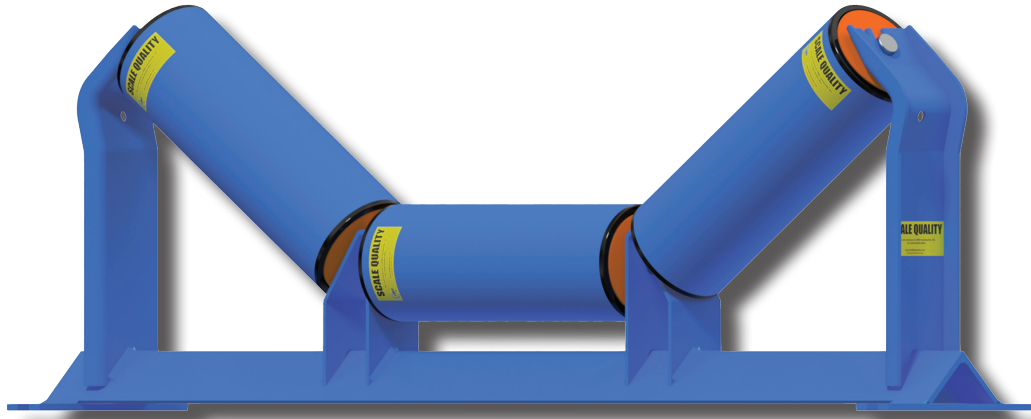




Scale Quality Idlers



Precision Manufacturing: Reinforced frame construction and stringent testing ensure a maximum Total Indicator Runout (TIR) of $\leq 0.015"$, meeting the standards required for scale applications.

Essential to Weighing Accuracy: Designed specifically for use in belt scale systems, including idlers installed on, before, and after the scale, to maintain reliable weight readings.

Critical Alignment & Consistency: Delivers consistent roller alignment to support accurate belt tracking and dependable scale data, minimizing errors and calibration drift.

High Moisture Seal Option: Available for harsh environments to prevent water ingress and particle contamination to extend idler life.

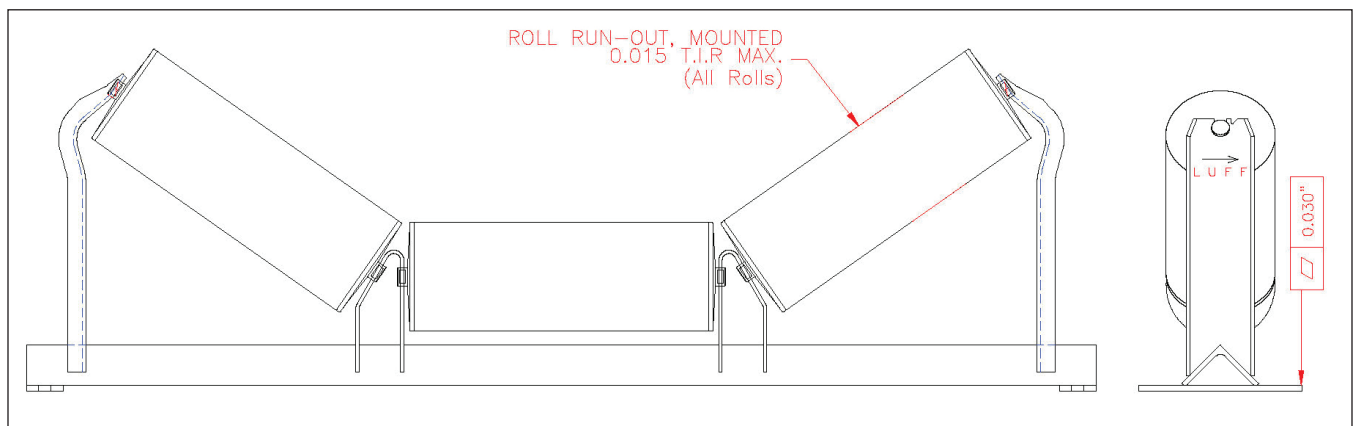


Conveying Performance

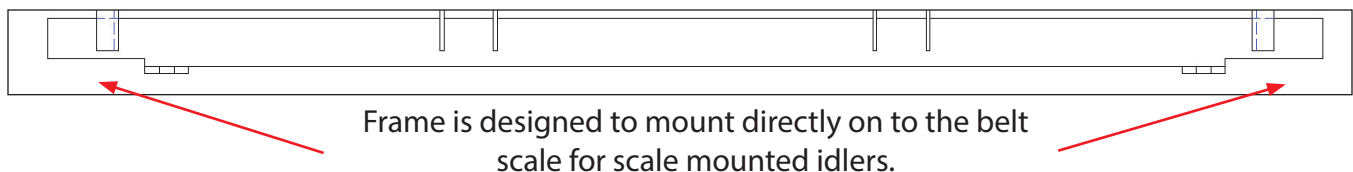
CEMA BELT SCALE IDLER STANDARD

When considering the installation and/or maintenance of a belt system, the use of like idlers and rolls within the scale area is important. Proper alignment of all components and the control of contaminants are essential.

Idlers and rolls produced to the basic CEMA Standard No. 502 have dimensions tolerances which, under certain conditions, may be insufficient to meet the requirement of a specific accuracy of an in-motion weighing system. The table below specifies dimensional tolerances for idlers and rolls to be classified for use with non-certified scales for belt conveyor systems. These will be referred to as "Scale Quality" Idlers.



Scale Mount Frame Available



1. Roll run-out, mounted 0.015 TIR max (all rolls)
2. Axis of roll ± 0.031 " from perpendicular through center of base
3. End brackets perpendicular to base angle $90^\circ \pm 1^\circ$
4. Bottom of base to top of center roll $+ 0", - 1/8"$
5. Troughing angle by template $\pm 1^\circ$
6. Foot plates to be flat within 0.030"
7. Idler base deflection not to exceed 1/1000 of the span at published CEMA idler load rating. Deflection measured at support for center roll.