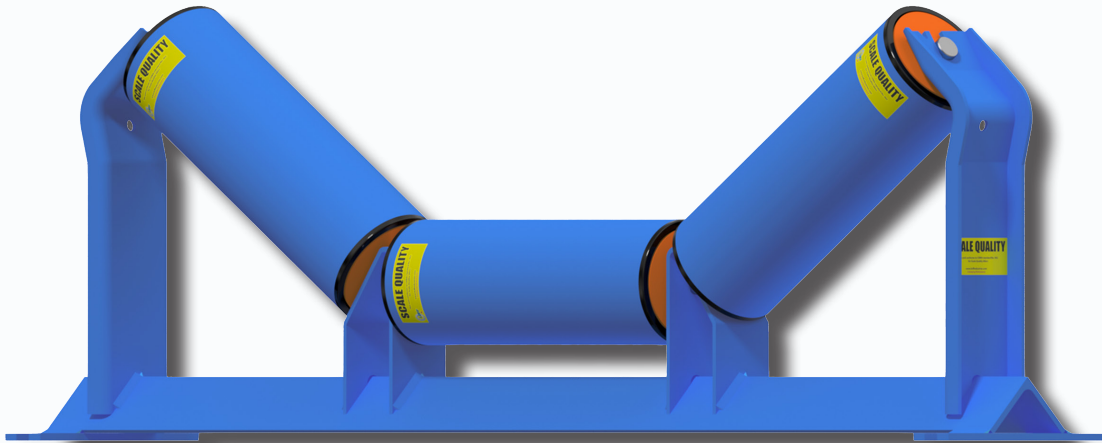




SCALE QUALITY IDLERS

Scale Quality Idlers are manufactured with a reinforced frame and tested to ensure the max TIR is within 0.015”.



Belt Scale Idlers

- Conveyors that include belt scales require idlers with weigh/scale quality to attain proper weighing accuracy.
- The “weighing system” includes the belt scale, belt speed measurement, Scale Quality Idlers mounted on the belt scale plus the Scale Quality Idlers preceding and following the belt scale.
- The proper and accurate alignment of idlers in the scale area is critical for belt scale function and accuracy.

High Moisture Seal Option Available



Scale Mount Frame available

Full 2 Year Warranty

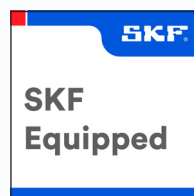


Luff Industries Ltd.
235010 Wrangler Road
Rocky View, (Calgary) Alberta, T1X 0K3

TF: 1.888.349.LUFF (5833)

P: 403.279.3555

F: 403.279.5709



Conveying Performance

info@luffindustries.com
www.luffindustries.com

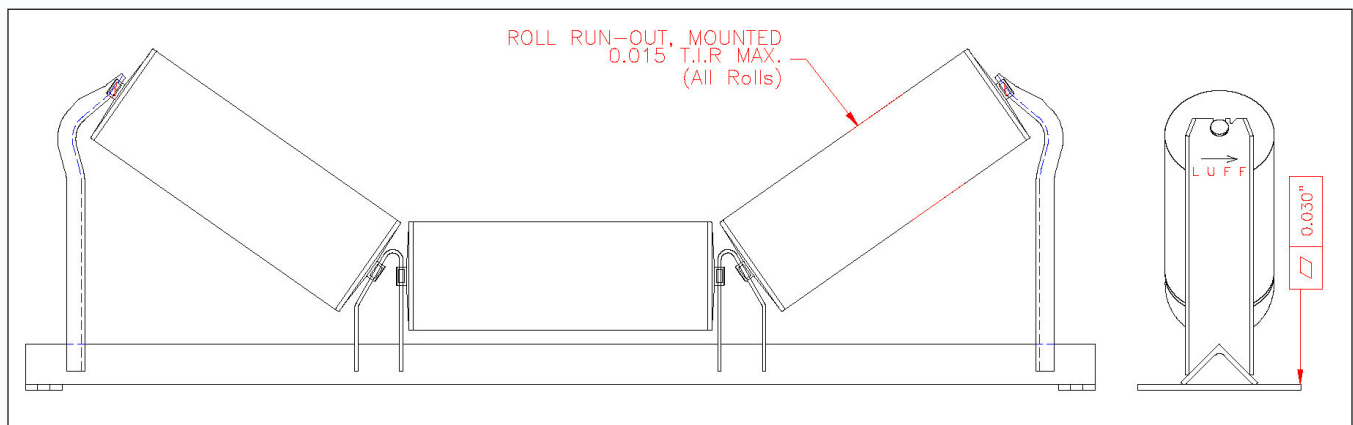


SCALE QUALITY IDLERS

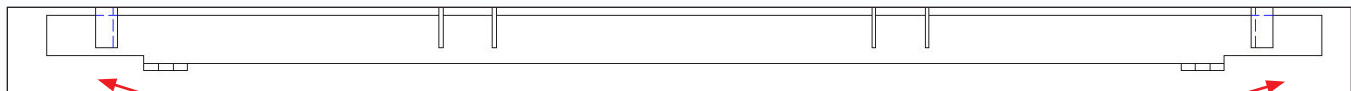
CEMA BELT SCALE IDLER STANDARD

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



Frame is designed to mount directly on to the belt scale for scale mounted idlers.

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.



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