



Proper Screw Conveyor Alignment is Critical to Long-Term, Successful Operation

Screw Conveyor Supports

At KWS Manufacturing, we understand the critical role that proper conveyor support plays in the overall reliability and performance of your screw conveyor system. Our adjustable pipe supports and hanging supports are designed to maximize system life, reduce maintenance, and ensure long-term operational success.

Features

Fully Adjustable Design – Vertical height is easily adjusted and welded in place to precisely align screw conveyor troughs. Lateral adjustment slots allow for accurate alignment across long conveyor spans. Fine-tuning support locations minimizes stress on the conveyor and ensures proper operation.

Heavy-Duty Construction – All supports are fabricated from structural steel components and designed to withstand the full operational load of the screw conveyor. Painted carbon steel and stainless-steel materials are available for specific environmental conditions.

Hanging Configuration – Ceiling-mounted or hanging supports can also be supplied to meet a wide range of installation constraints. Hanging supports reduce floor space usage and allow for easier access beneath the conveyor for maintenance or process flow.

Modular Assembly – Supports are supplied as modular assemblies with standard hardware and slotted mounting plates for easy installation. Components are designed to match specific screw conveyor trough sizes and configurations, including U-trough and flared trough styles.

Engineered Load Capacity – Each support is engineered to accommodate the total live and dead loads of the conveyor, including the weight of the conveyed material. Structural calculations ensure long-term performance and safety under dynamic loading conditions.

Benefits

Precision Alignment – Adjustable features allow for accurate installation and leveling of the screw conveyor, reducing shaft misalignment, hanger bearing wear, and potential downtime due to premature failure.

Installation Flexibility – Modular and adjustable design allows for quick field adjustments and simplified installation in tight or irregular spaces. Supports can be positioned to avoid interferences with existing equipment or structures.

Improved System Reliability – Secure and stable conveyor supports maintain consistent trough alignment under full loading, reducing the chance of bolt loosening, trough distortion, or shaft misalignment.

Proudly Made in the USA – All KWS adjustable pipe and hanging supports are manufactured in our Burleson, Texas facility using domestic materials and skilled American labor. Supports are fabricated to the same high standards as our complete line of bulk material handling equipment.



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Features & Benefits

Screw Conveyor Supports (cont.)



Vertical Height of Pipe Support is Easily Adjusted and Welded in Place



Supports Make Screw Conveyor Installation Easy



Hanging Supports Provide Access for Truck Loading



Hanging Supports Reduce Floor Space



Every KWS Structural Support is Analyzed for Loading and Environmental Conditions



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