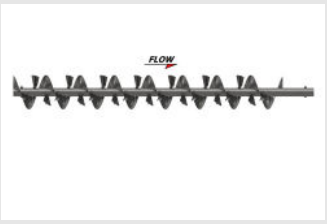
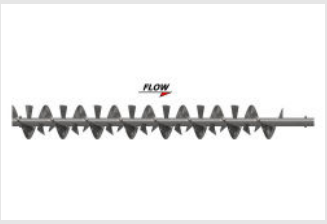


Paddle Screws Provide Highly Effective Bulk Material Mixing



Adjustable Paddles Can Be Customized to Achieve Desired Balance Between Conveying and Mixing



Fixed Paddles are Set for Aggressive Mixing and Agitation of Bulk Materials

KWS Paddle Screws for Continuous Conveying and Mixing

KWS Paddle Screws are designed to efficiently and continuously convey, mix, blend, and condition bulk materials in a single piece of equipment. Utilizing either fixed or adjustable paddles mounted to a center pipe or incorporated into standard conveyor flighting, paddle screws provide a highly effective method of material agitation during the conveying process.

Adjustable paddles can be set in the direction of material flow to improve conveying efficiency or against the flow to generate more aggressive mixing action. The angle, spacing, and quantity of paddles can be customized to achieve the desired balance between conveying capacity and mixing intensity. More paddles create greater agitation, while fewer paddles allow for gentler product handling.

Available in carbon steel, abrasion-resistant materials, and stainless steel, KWS Paddle Screws are suitable for a wide range of industrial applications, including mixing abrasive, corrosive, sanitary, and general bulk materials. Adjustable paddle designs also allow individual paddles to be replaced as they wear, reducing maintenance costs and extending equipment service life. By combining material handling and process functions into a single conveyor, KWS Paddle Screws improve product uniformity, increase operational flexibility, minimize equipment requirements, and provide a cost-effective solution for bulk material mixing and conveying applications.

Features

Fixed or Adjustable Paddles – Paddles can be permanently welded in place or supplied as adjustable assemblies that can be rotated and set at different angles.

Available with Standard Conveyor Flighting – Both fixed and adjustable paddles can be incorporated into standard screw conveyor flighting.

Replaceable Paddles – KWS can provide replacement paddles available in carbon steel, abrasion-resistant steels, and stainless steel.

Benefits

Customizable Mixing Performance – Adjustable paddle angles allow mixing intensity to be optimized for individual applications, while fixed paddles provide a durable and cost-effective solution for established processes.

Reduced Equipment Requirements – Integrating paddles into standard screw flighting allows a single conveyor to transport and condition material simultaneously, reducing equipment count and overall system cost.

Reduced Maintenance Costs and Downtime – Replacement paddles can be installed as wear occurs, extending the service life of the screw conveyor and minimizing maintenance expenses, especially in abrasive applications.

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