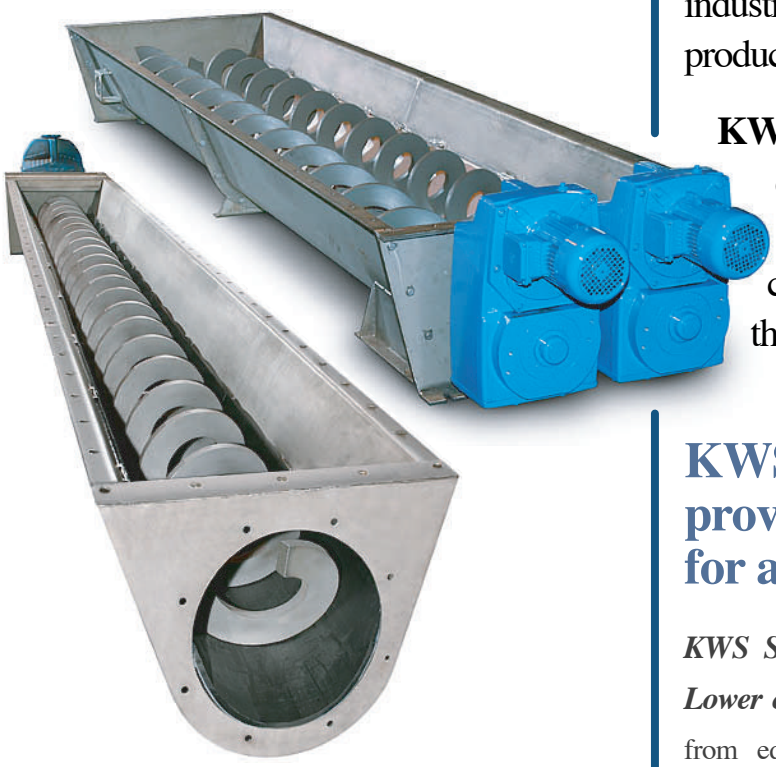


KWS designs and manufactures Shaftless Screw Conveyors to meet the needs of many industries, such as chemical, rendering, wood products and wastewater treatment.

KWS Shaftless Screw Conveyors efficiently convey dry, semi-fluid or sticky materials. The shaftless design provides a non-clogging conveying surface by eliminating the need for intermediate shaft bearings.

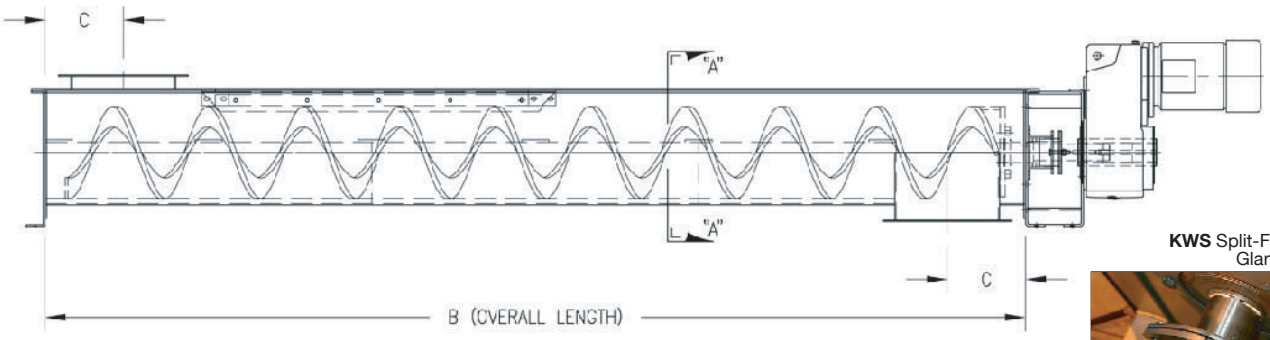
KWS Shaftless Screw Conveyors provide the flexibility you need for a variety of applications.

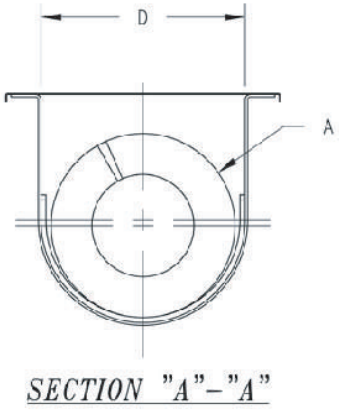
KWS Shaftless Screw Conveyors are a wise investment. ***Lower capital cost*** and lower overall maintenance are realized from equipment designed to require fewer parts. ***Better performance*** is achieved through zero-clearance between the trough and spiral. This improves conveying efficiency and eliminates many of the flow-impeding issues common with shafted screw conveyors. ***Higher trough loading*** allows for lower operating speeds. Finally, the KWS Shaftless Screw Conveyor design allows for greater ***flexibility and efficiency*** in plant layout, providing for end-to-end, side inlet/discharge and vertical configurations.

Every KWS conveyor system is ***manufactured in the USA*** by highly skilled craftsmen who show their dedication to producing quality products every day.

KWS Design Engineering Manufacturing

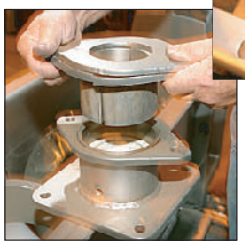
Shaftless Screw Conveyors



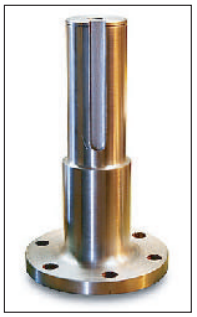


MODEL	A	B	C	D	CAPACITY
SSC900	8 1/2"	AS REQUIRED	8"	10"	250
SSC1200	11 1/2"		10 1/2"	13"	600
SSC1600	15 1/2"		13 1/2"	17"	1,400
SSC1800	17 1/2"		14 1/2"	19"	2,100
SSC2000	19 1/2"		15 1/2"	21"	3,000
SSC2400	23 1/2"		17 1/2"	25"	5,000
SSC3000	29 1/2"		20 1/2"	31"	8,000

KWS Split-Flanged Gland Seal



KWS Flanged Drive Connection



KWS One-Piece Drive Shaft

Available Features/Options

- Materials of Construction: Carbon Steel, Hot-Dipped Galvanized, 304 or 316 Stainless Steel or Other Alloys
- Spiral Materials: High Strength Alloys up to 350 BHN, 304 or 316 Stainless Steel
- Housings: CEMA Standard U-Trough or Tubular Housing
- Covers: Flanged Covers with Option for Bolts, Clamps or Hinges
- Liner Materials: UHMW, Xylethon or Abrasion-Resistant Steels
- Shaft Seals: KWS Proprietary Split Flanged Gland Seal with Multiple Rings of Teflon Packing
- Drive Shafts: KWS Proprietary Flanged Drive Shaft—Machined as One Piece
- Spiral Hold-Downs: KWS Proprietary Removable Hold-Down

Available Configurations

- Screw Conveyors
- Screw Feeders
- Vertical Screw Conveyors
- Multiple Screw Live-Bottom Feeders
- Inclined Screw Conveyors
- Screenings Washers/Compactors
- Grit Washers/Classifiers

KWS is the only manufacturer to offer spirals with a hardness of 350 BHN for abrasive and difficult applications.

KWS Manufacturing Company, Ltd.
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