

Shrijala Spiral Conveyors represent a new concept in vertical conveying, based on a low friction chain slat arrangement. Our Spirals are attractive because they have a higher throughput capacity, require less space, generate less noise, consume less energy, cost less to install, need less maintenance and have a longer life compared to conventional methods. The spiral conveyors are also known as spiral or case lifts, spiral elevators, and spiral lowerators.

High Throughput

The spirals convey loads up or down in a continuous flow, thereby facilitating high throughput. The standard load capacity is 30 Kgs per linear foot of conveyor for speeds up to 200 feet per minute.

Single Drive

The Spiral Conveyors need only one drive motor, even for units several stories tall. This equals to substantial savings in controls and systems integrations.

Small Footprint

Spiral Conveyors have the smallest footprint available and therefore provide substantial space savings compared to conventional methods. Several standard sizes are available and the outside diameter varies depending on the size of loads to be handled.

Overlapping Slats

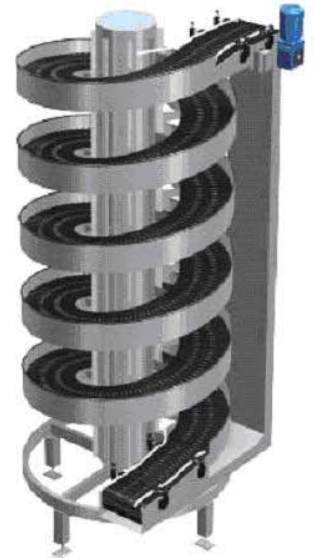
The overlapping slats provide a smooth efficient conveying surface suitable for a wide variety of load types and sizes. The slats are made of a fiberglass reinforced Polyamide and are available in widths of 4", 6", 8", 12", 16", 20" and 26". The slats can also be furnished with friction inserts to accommodate slick products such as plastic totes or frozen items.

Low Angle of Incline

The standard angle of incline is between 9 and 11 degrees which safeguards against loads sliding or tumbling during operation.

Easy to Install

Most spirals are shipped in one piece, pre-assembled and pre-tested, thereby drastically reducing the time and cost of installation.



Shrijala Engineers is committed to manufacturing a high-

Our Quality quality, reliable product to meet demanding standards. Whether you provide a hand-drawn sketch, a CAD-drawn plant layout or verbally communicate your needs, our

customer-driven sales staff utilizes years of industry-wide experience to assist in selecting the right components for your application.

Please contact our qualified sales engineers for additional product line information or with any questions you may have. We look forward to satisfying your current and future material handling needs.



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Chain Tensioning Device



Overload Protection

Low Maintenance

Our Spiral Conveyors are designed for low maintenance and long life. Only high quality components requiring little maintenance are used throughout. The roller bearings are sealed and lubricated for life. The chain is of a heavy-duty chrome plated construction. The slats and carriers need no maintenance and can easily be replaced as single components without the use of special tools.

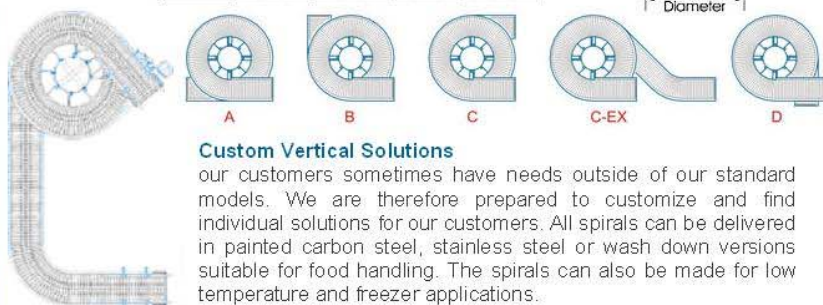
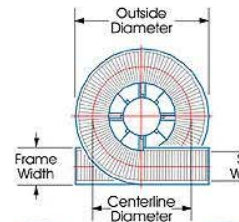
Built-in Protection

All spirals are equipped with an automatic chain tensioning device and built-in overload protection. The chain tensioning device is spring operated and a proximity sensor is sensing the correct operating position of the device. The overload protection is accomplished by mounting the drive motor on an adjustable torque arm arrangement which will pivot during an overload condition. This motion will be detected by a proximity sensor which in turn will cause the motor to stop.

Several Spiral Conveyor Models

Our Spiral Conveyors are of modular design and are available in several standard versions to accommodate a broad range of loads on applications. The spirals go up and down and be made reversible. All models can have extended in or out feed, making Spiral Lifts easy to fit in most layouts.

Type	Centerline Diameter	Outside Diameter	Slot Width	Frame Width
1200-200	3'-11" (1200)	4'-9" (1450)	8" (200)	11" (280)
1200-300	3'-11" (1200)	5'-3" (1600)	12" (300)	1'-3" (380)
1300-400	4'-3" (1300)	5'-11" (1800)	1'-4" (400)	1'-7" (490)
1600-500	5'-3" (1600)	7'-2" (2200)	1'-8" (500)	1'-11" (590)
1800-500	5'-11" (1800)	8'-2" (2190)	1'-8" (500)	2'-0" (600)
1800-650	5'-11" (1800)	8'-6" (2600)	2'-2" (650)	2'-5" (740)



Custom Vertical Solutions

Our customers sometimes have needs outside of our standard models. We are therefore prepared to customize and find individual solutions for our customers. All spirals can be delivered in painted carbon steel, stainless steel or wash down versions suitable for food handling. The spirals can also be made for low temperature and freezer applications.



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