MODU System

Simplicity • Solutions

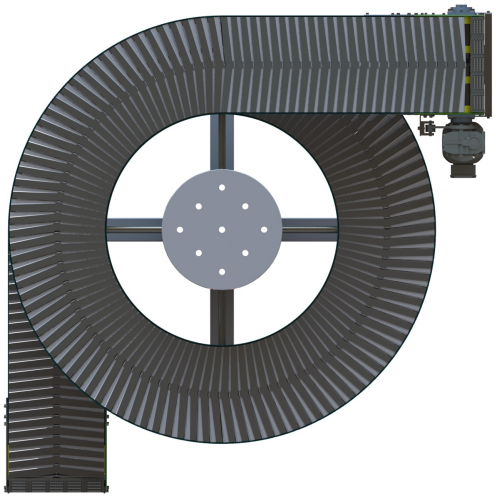
AUTOMATION CONTROL

ROBOTICS > DRIVES > SYSTEMS

SPIRAL CONVEYOR

- Economic Ownership
- Innovative Design
- Excellent Quality
- Low Maintenance
- Short-time Delivery

SAVE SPACE & INCREASE THROUGHPUT



CONTINUOUS PRODUCT FLOW

MODU System's Spiral conveyor offers a complete range of vertical elevators and lowerators for all types of products and applications. A spiral conveyor is a compact and high throughput solution for up or down elevation. It's compact track design and construction are the key elements that enables customers to save valuable floor space.

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SPIRAL CONVEYOR FEATURES

Innovative Design

Simplicity in MODU's Spiral conveyor design makes the system reliable, flexible, safe and trouble-free operation. MODU's development in area of maintenance and installation includes automatic lubrication system (ALS) and tension adjustment (patented).

MODU Spiral Conveyor

Smart Tension Regulation

Conveyor belt can be easily tensioned with the needs of special tools or special procedures. The tensioning can be done using hex key.

Easy Maintenance

MODU is committed to supply products that are reliable and high in quality. Careful design measures have been considered so that the spiral conveyor will have low maintenance. Features like overload protection, automatic lubrication system (chain) and smart tension adjustment modules are integrated to ensure smooth operation.

Conveyor Chain

Spiral conveyor belt is made from composite plastic material, (PP / POM) which has good material characteristics such as high in rigidity, high impact resistance and low in friction. The modular design of MODU's spiral conveyor belt simplifies the maintenance and replacement task.

Friction Top Spiral Chain

Spiral Conveyor's Angle Guideline

Friction pad (TPE) should be added to the standard chain for upwards/downwards conveying with incline/decline angle less than 35°. TPM has high friction properties.

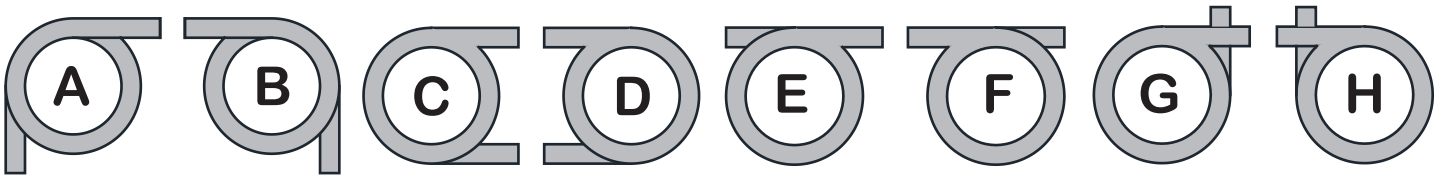
MODU's Spiral belt's surface has low coefficient of friction. For increased performance, MODU Spiral conveyor's incline angle should be less than 7° for products made from plastic, iron and aluminium. Products or cartons with PE film wrapped, the spiral conveyor's angle should be less than 11°.

TECHNICAL SPECIFICATION

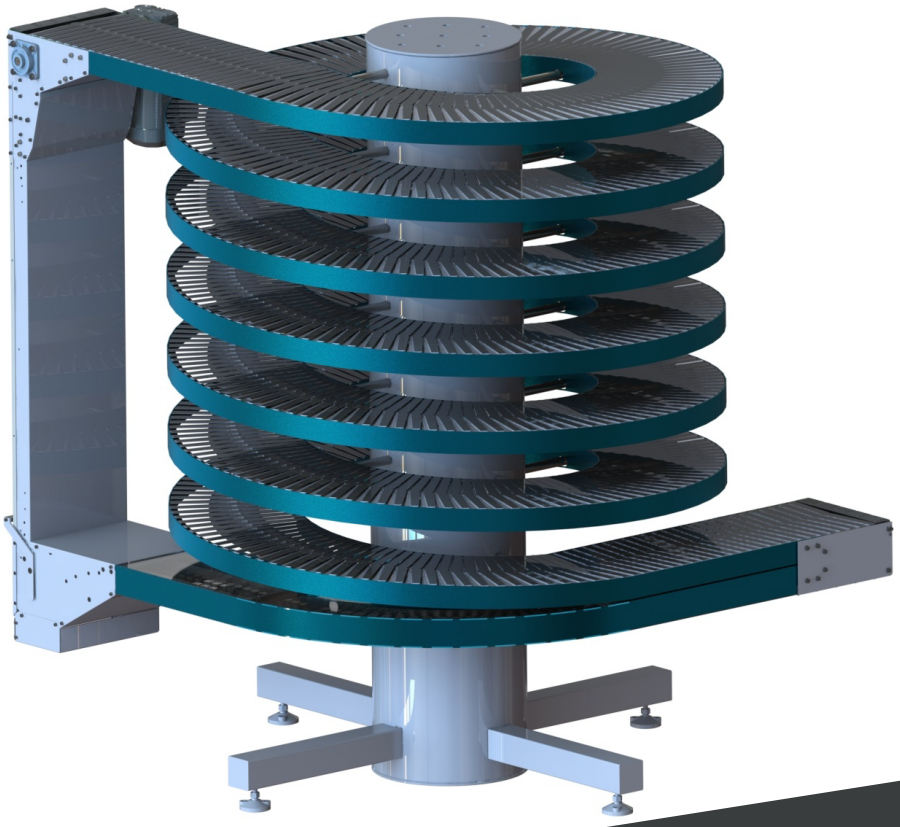
Width	Chain Type	Pitch	Outer Diameter (D)	Load Capacity	Max Speed	Temperature
155mm	Plain (P) Friction (F)	28.1mm	1300mm	40 kg/m (max)	50 m/min	10°C ~ 60°C
220mm			1440mm			
400mm			1800mm			
600mm			2200mm			

- The maximum height of spiral conveyor is 9m.
- The maximum number of turns is 10.
- Maximum speed of our spiral conveyor is 50m/min, automatic lubricator should be installed to prolong the product's life when speed exceeds 35m/min.

AVAILABLE CONFIGURATION



SPIRAL COLOR



MODU's quality painting technique guarantees you the highest quality.

Color: Drum RAL 5015

ORDERING GUIDELINES

Products Details:

Length : _____ mm

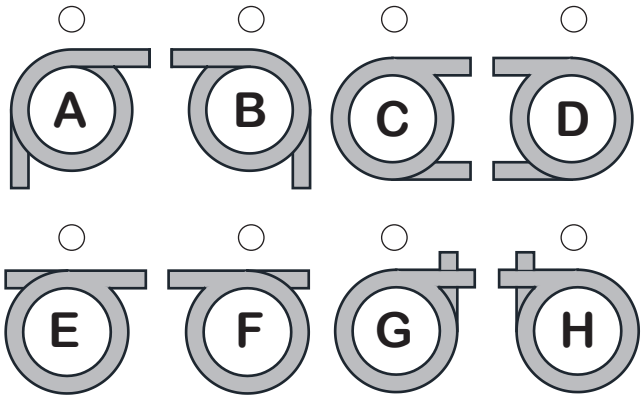
Width : _____ mm

Height : _____ mm

Weight : _____ KG

Contact materials : _____

Configuration



Dimensions

Please specify the size of the spiral conveyor parameters in the following order

H1 : _____ mm

H2 : _____ mm

L1 : _____ mm

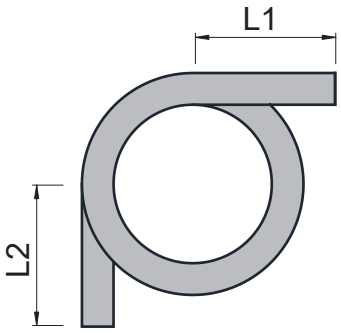
L2 : _____ mm

Chain Type: ○ Plain ○ Friction

Spiral Chain Width:

○ 155mm ○ 220mm

○ 400mm ○ 600mm



Application

Maximum Speed : _____ M/Min

Operating temperature : _____ ° C

Voltage` Current value : _____ V _____ Hz

Spiral direction : ○ Upwards ○ Downwards

Speed : Adjustable _____ M/min - _____ M/min

Constant _____ M/min

Other requirements :

Specific brand of motor : ○ No specific brand

○ Brand of specific motor

_____

AUTOMATION CONTROL®

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