RYSON
ROYAL APOLLO GROUP

Narrow Trak Spiral

Compact Conveyor for Smaller Loads.

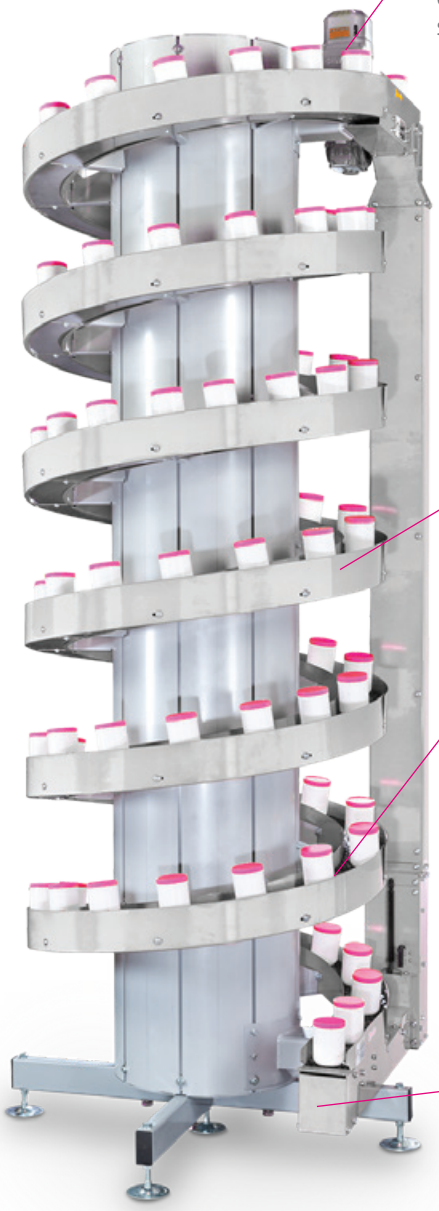
The Ryson Narrow Trak Spirals are designed to vertically convey smaller products. The Ryson Narrow Trak Spirals are super compact vertical conveyors designed to handle small loads. Our nesting slats have the capacity to reliably end-transfer small cartons and packages or side-transfer small bottles or containers in a single file or in a continuous mass flow.

Easy to Install:
Most Spirals are shipped in one piece, pre-assembled and pre-tested, drastically reducing time and cost of installation.

Modular Design:
Our unique design offers flexibility of configuration. It also adds the ability to field modify to accommodate changing future needs at a fraction of the cost of a new conveyor.

Low Maintenance:
Our Spirals and components are designed for reliability, low maintenance and long life. They have an impressive up-time record reducing the total cost of ownership.

Built-in Protection:
All Ryson Spirals are equipped with an automatic chain tensioning device and built-in overload protection ensuring safe and reliable operation.



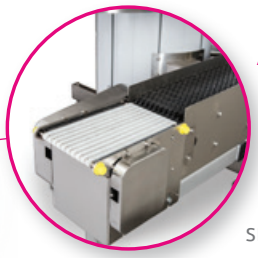
Single Drive:
Our efficient rolling friction chain-slat design only needs a single drive, resulting in substantial savings in energy, controls and systems integration.

High Throughput:
Products are conveyed up or down in a continuous single file or mass flow at a rate of up to 220 FPM. The NT is often used to replace side gripper conveyors because they can operate at similar speeds and are much more reliable, and do not require change parts or adjustments for different product sizes.

Optional Friction:
The Narrow Trak can be furnished with friction inserts if end-transferring. This will help with product stability and orientation. If side transferring, friction is not desired.

Proprietary Belt Slat:

Our innovative nesting chain-slat design enables a low friction operation without any sliding movements or wear-strips. They are available in 6" and 9" wide slats.



Micro Pitch:
An optional slave-driven conveyor with a nose-over design can be mounted at the infeed/outfeed of the NT to assure a reliable transfer of smaller items.

Scan or Click for full details

Controls and Integration:
Most Spirals are shipped without controls because they typically integrate with an overall conveyor control system. We do offer a number of controls and pre-wiring options. A Variable Frequency Drive (VFD) is required for proper operation of the spirals.

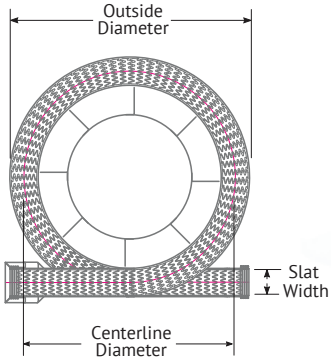
Quick Facts:

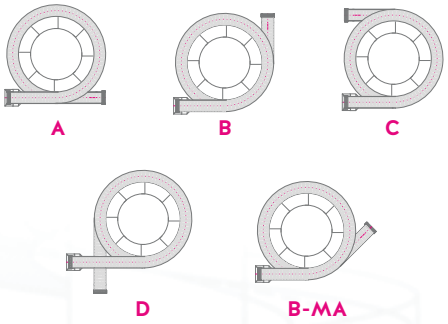
Top Speed:	220 FPM
Max Height:	20"
Slat Width:	6" & 9"
Total Weight:	Up to 1800 lbs
Side or End Transfer	Yes
VFD Required:	Yes
Optional Controls:	Yes
Custom Options:	Yes
Color Options:	RAL colors
Incline Angle:	Up 12.5°

Configurations:

All Ryson Spiral Conveyors are available in several standard versions to accommodate a wide range of loads and applications.

- The Spiral Conveyors can be configured to go up or down, clockwise or counter-clockwise and can optionally be reversible.
- All models can be built with extended infeed or outfeed tangents, making our Spiral Conveyors an easy to fit and help simplify the most challenging of layouts.



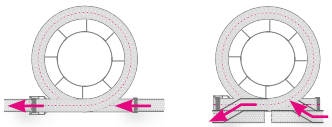


Example of custom tangent

Type	Outside Diameter	Centerline Diameter	Slat Width	Frame Width
1100-150-NT	4'-2" (1270)	3'-8" (1100)	6" (150)	6" (160)
1200-230-NT	4'-9" (1450)	3'-11" (1200)	9" (230)	9" (240)
1700-150-NT	6'-2" (1870)	5'-7" (1700)	6" (150)	6" (160)
1700-230-NT	6'-6" (1950)	5'-7" (1700)	9" (230)	9" (240)

Side Or End Transfer:

End transfer items in single file, or side transfer items in mass. The same nesting slat design allows for a flat conveying surface that is gentle for product handling.



Typically Conveys:

Powder Coated Carbon Steel

Part	Specifications
Frame	Coated aluminium tube with galvanized load arms
Chain configuration	Nickel plated chain, carbon steel bearings
Finish	Powder Coated in most RAL colors

Stainless Steel Hybrid (Dry)

Part	Specifications
Frame	Coated aluminium center tube zinc plated load arms
Chain configuration	Nickel plated chain, carbon steel bearings
Finish	Stainless steel base frame, legs & side guards.

Stainless Steel (Wet)

Part	Specifications
Frame	Stainless steel or coated aluminium tube depending on model. Stainless steel base frame, load arms & fasteners.
Chain configuration	Nickel plated chain with stainless steel sealed bearings
Finish	Stainless steel base frame, legs & side guards.

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VERTICAL CONVEYING SOLUTIONS. WORLDWIDE.

Ryson is a member of the **Royal Apollo Group**, established in 1847 and headquartered in the Netherlands. Ryson manufactures in USA and supports North America. We have manufacturing in Netherlands, USA, and Thailand with service operations in Netherlands, USA, Thailand, China, India, and Mexico. As one global company, we are the world's leader in Vertical Conveying!

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