

## High Capacity Spirals

“A Spiral for the Tough Jobs.”

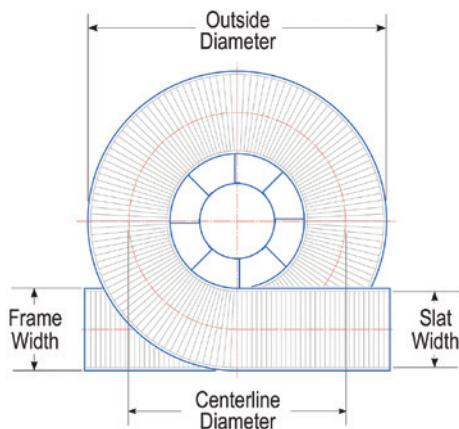
**The new Ryson High Capacity Spirals are in response to our customers need to go higher and handle more weight.**

The High Capacity Spirals can handle double the weight capacity of our standard spirals and still needs only one drive.

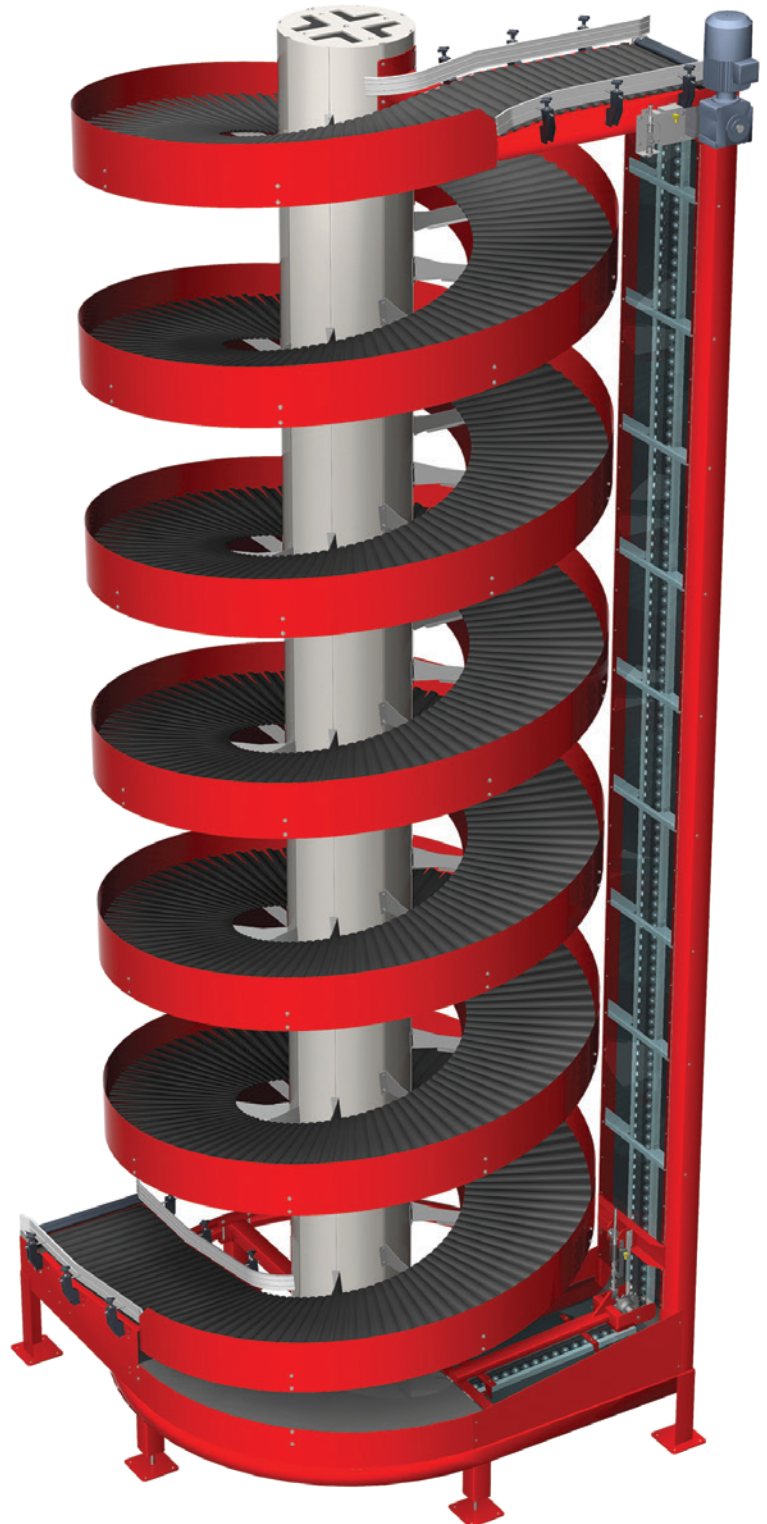
These spirals can optionally be configured to allow loads to enter and exit the spirals at several intermediate elevations. New special induction and divert conveyors have individually adjustable conveying surfaces to match the spiral pitch, assuring a safe and reliable product transfer.

Ryson Spiral Conveyors need less floor space than conventional conveyors and are faster and more reliable than any elevator or lift.

Ryson Spirals are designed for low maintenance and long life. An innovative modular design allows Ryson to customize with ease and modify economically in the field to accommodate emerging needs.

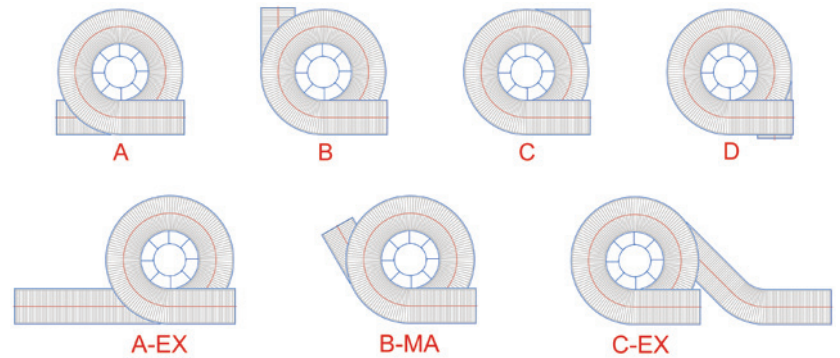


| Type        | Outside Diameter | Centerline Diameter | Slat Width   | Frame Width  |
|-------------|------------------|---------------------|--------------|--------------|
| 1700-400-HC | 7'-3"<br>(2200)  | 5'-7"<br>(1700)     | 16"<br>(400) | 19"<br>(480) |
| 1700-600-HC | 7'-11"<br>(2400) | 5'-7"<br>(1700)     | 24"<br>(600) | 27"<br>(680) |
| 2200-760-WT | 10'-0"<br>(3050) | 7'-3"<br>(2200)     | 30"<br>(760) | 33"<br>(790) |

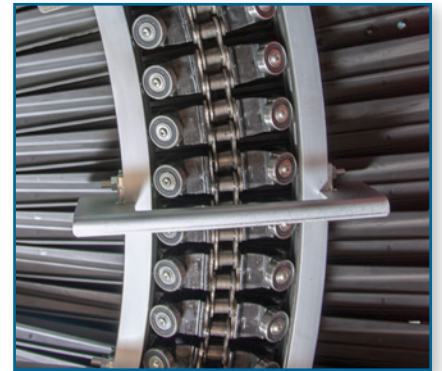




**Modular Design:** Our innovative modular design can be customized with ease or be modified economically in the field to accommodate changing needs. All spirals are made to order and are available in 4 basic configurations (A, B, C and D), accommodating most requirements relating to the location of the in and out feed tangents. All configurations can operate up or down in a clockwise or counterclockwise rotation and can optionally be reversible. The position and length of the in feed tangent on up spirals and out feed tangent on down spirals can be customized to meet specific layout requirements. Samples A-EX, B-MA and C-EX are shown.



**Proprietary Slat Belt:** This innovative belt enables a low rolling friction operation without any sliding movements or wear strips. The belt is pulled by a heavy duty steel roller chain and the slats are supported by precision steel roller bearings which ride on a polyurethane surface. This arrangement effectively takes up the side forces created by a tight radius and at the same time increases the load carrying capacity of the belt up to 75 lbs per linear foot. This enables the spirals to start and stop fully loaded and can run at speeds up to 200 fpm. The slats are overlapping and provide a reliable and safe conveying surface.



### Controls and Integration:

Each spiral includes an inverter duty gear motor and two proximity switches, one to sense a slack chain and one to sense any overload. A Variable Frequency Drive (VFD) is required for proper operation of the spiral. Several pre-wiring and controls options are available. Visit [www.ryson.com](http://www.ryson.com) for more information.

All Ryson Spirals are thoroughly shop tested prior to shipment, but depend on proper integration with the overall conveyor system for optimum performance. Spiral integration instructions are available on [www.ryson.com](http://www.ryson.com) or give us a call to request a copy.

**RYSON**  
INTERNATIONAL, INC

**VERTICAL CONVEYING SOLUTIONS**

**Ryson is the number one Spiral Conveyor manufacturer in the USA.**  
For application assistance or more information, give us a call or visit [www.ryson.com](http://www.ryson.com)