



With **FlexMove**® Technology

## HELIX CONVEYORS

### **COMPACT SPIRAL & HELICAL CURVE, FLEXIBLE CHAIN CONVEYORS FOR COMPLETE FLEXIBILITY!**



- Unique, flexible design provides greater flexibility in layout
  - Infeed and outfeed may be positioned at any height or angle
  - Custom infeed and outfeed lengths allow the conveyor to extend beyond spiral, reducing the number of conveyors required
- Small foot print maximizes valuable floor space
- Patented side roller chain reduces corner friction allowing for faster speeds and smooth product handling
- Applications include accumulation, buffering, cooling product between processes or machines, and more!

#### **Features & Specifications**

- Widths: 85 mm, 180 mm, and 260 mm
- Minimum infeed height: 18" (450 mm)
- Maximum outfeed height: 132" (3350 mm)
- Incline angles:
  - Up to 7° with flat top chain
  - Up to 10° with friction top chain
- Loads: up to 300 lbs
- Speeds: Up to 171 ft/min
- Maximum number of tiers: 4
- Maximum distance between tiers = 30" (762 mm)
- Diameter of spiral = 55.12" (1400 mm) at centerline

#### **Chain Specifications**

- Material: Acetal
- Patented design with low friction sealed ball bearings to reduce friction
- Types:
  - Flat top chain for product movement or accumulation up to 7°
  - TPE friction top chain for product incline up to 10°



Flat Top Chain & TPE Friction Top Chain



Patented Chain Design

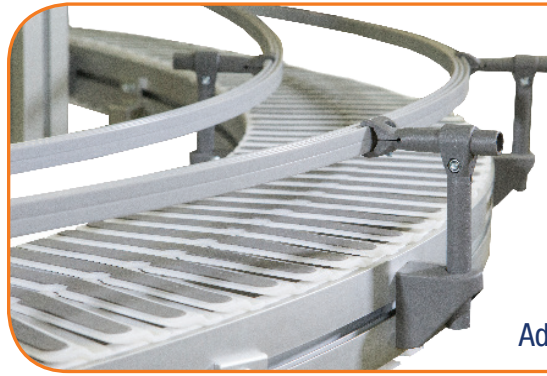
## Options & Accessories

### End Transfer Options:

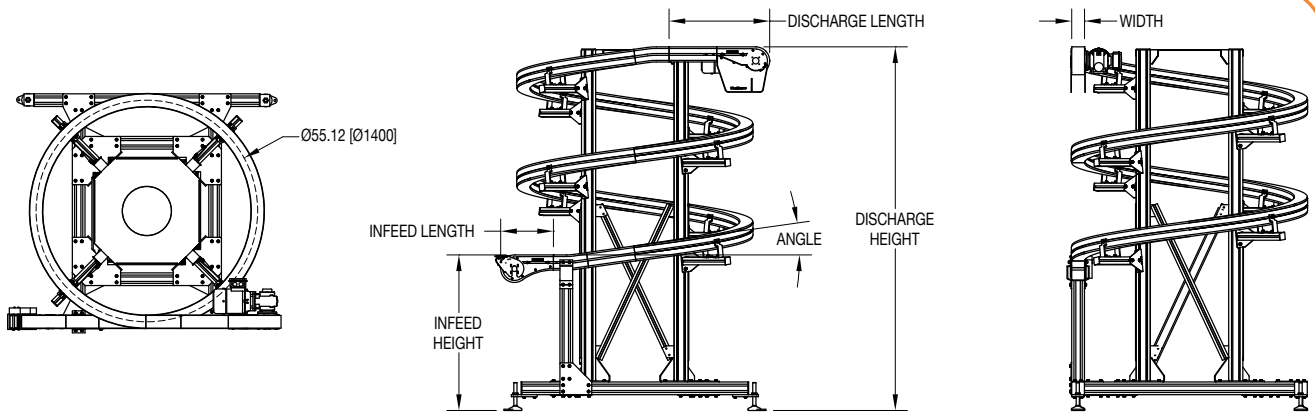
- Roller Transfer Plate
- Powered Transfer for smooth transfer of parts as small as 3" in diameter

### Guiding Options:

- 1" Aluminum High Side
- 3" Aluminum High Side
- Fully Adjustable UHMW Guide
- Tool-less Fully Adjustable UHMW Guide



Adjustable Guiding



At Dorner our mission is to **Transform Conveyor Automation** by providing cutting edge solutions with best-in-class support. It's that commitment and history of proven excellence that has made the Dorner Brand a recognized leader in precision conveyors for over 50 years. With our complete line of customizable stainless steel and aluminum conveyor automation systems, we have the right solution for you!



### 1X Series

The 1X Series Line is designed for small part handling and transfers where space is a premium.



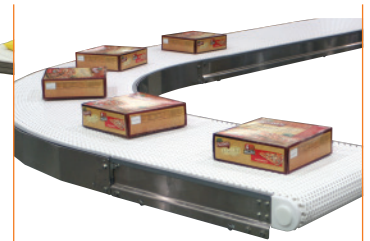
### 2X Series

The 2X Series Line is engineered for small to medium sized parts, precision applications and flexible layouts.



### 3X Series

The 3X Series Line is designed for medium to heavy sized parts, precision applications, bulk handling and flexible layouts.



### 7X Series

The 7X Series Stainless Steel Line is engineered for small to heavy product requiring various levels of sanitary design and flexible layouts.



**DORNER MFG. CORP.**  
PO Box 20 • 975 Cottonwood Ave.  
Hartland, WI 53029 USA

**INSIDE THE USA**  
TEL: 800.397.8664  
FAX: 800.369.2440

**OUTSIDE THE USA**  
TEL: 262.367.7600  
FAX: 262.367.5827

**[www.dorner.com](http://www.dorner.com)**  
**[info@dorner.com](mailto:info@dorner.com)**

