

**DORNER**<sup>®</sup>  
*MOVE FAST. MOVE SMART.*



# CONVEYOR COMPARISON / SELECTION CHART

## Application Requirements

- Packaging
- Print/Labeling/Marking
- Plastic Injection Molding
- Automated & Manual Assembly
- Magnetic & Vacuum Capabilities
- Integration in Tight Spaces
- Small Parts Transfers
- Sortation
- Machine Part Handling
- Curing, Cooling, Heating & Cleaning

### 2200

[LIGHT TO MEDIUM DUTY, NARROWER AND SHORTER]



**Straights**

**Modular Plastic Belt\***

- Print/Labeling/Marking
- Automated & Manual Assembly
- Sortation
- Curing, Cooling, Heating & Cleaning
- Solar Panels
- Packaging
- Plastic Molding
- Metal Forming & Stamping
- Adjustable Incline

### 3200

[HEAVY DUTY, WIDER, LONGER, FASTER]



**Straights**

**Z-Frame**

## Features

- Self tracking v-guided belts or modular plastic belt
- Knurled stainless steel drive pulley for optimum performance
- Rack and pinion belt tension system for fast, accurate adjustment
- Extruded aluminum frame and stainless steel bedplate
- Sealed ball bearings
- Center drive features no maintenance gas spring belt tension
- Streamlined machine interface
- Accumulation
- Sharp parts

- Rack and pinion belt tension system for fast, accurate adjustment
- Extruded aluminum frame and hard coated anodized bedplate
- Self tracking v-guided belts
- Steel drive pulley for optimum performance
- Sealed ball bearings
- Fast belt speeds
- Aesthetics

	Flat Belt*		Cleated Belt	MPB Flat & Cleated Belt **
	End Drive	Center Drive	End Drive	End Drive
<b>Drive Locations</b>	Aluminum	Aluminum	Aluminum	Aluminum
<b>Construction</b>	Aluminum	Aluminum	Aluminum	Aluminum
<b>T-slots for Mounting Accessories</b>	Yes	Yes	Yes	Yes
<b>Belt Widths</b>	1.75" - 24" (45 - 610 mm)	1.75" - 24" (45 - 610 mm)	1.75" - 24" (45 - 610 mm)	3" - 23.25" (76 - 591 mm)
<b>Conveyor Lengths</b>	1.5' - 18' (457 - 5,486 mm)	2' - 24' (610 - 7,315 mm)	1.5' - 18' (457 - 5,486 mm)	2' - 30' (610 - 9,144 mm)
<b>Max Belt Speed</b>	264 ft/min (81 m/min)	264 ft/min (81 m/min)	264 ft/min (81 m/min)	250 ft/min (76 m/min)
<b>Maximum Load</b>	80 lbs (36 kg)	120 lbs (54 kg)	80 lbs (36 kg)	150 lbs (68 kg)
<b>Frame Configuration</b>	Straight	Straight	Straight	Straight
<b>Frame Height</b>	1.87" (48 mm)	1.87" (48 mm)	1.87" (48 mm)	2.96" (75 mm)
<b>Pulley Diameter</b>	1.25" (32 mm)	1.25" (32 mm)	1.25" (32 mm)	2.6" (66 mm)

Flat Belt		Cleated Belt	Z-Frame Flat & Cleated
End Drive	Center Drive	End Drive	End & Center Drive
Aluminum	Aluminum	Aluminum	Aluminum
Yes	Yes	Yes	Yes
3.75" - 48" * (95 - 1,219 mm)	3.75" - 48" * (95 - 1,219 mm)	3.75" - 24" (95 - 610 mm)	3.75" - 48" (95 - 1,219 mm)
3' - 40' (914 - 12,192 mm)	4' - 99' (1,219 - 30,175 mm)	3' - 40' (914 - 12,192 mm)	4' - 40' (1,219 - 12,192 mm)
421 ft/min (128 m/min)	368 ft/min (112 m/min)	275 ft/min (84 m/min)	421 ft/min (128 m/min)
400 lbs (181 kg)	1,000 lbs (455 kg)	400 lbs (181 kg)	100 lbs (45 kg)
Straight	Straight	Straight	Straight
3.80" (97 mm)	3.80" (97 mm)	3.80" (97 mm)	3.80" (97 mm)
3.0" (76 mm)	3.0" (76 mm)	3.0" (76 mm)	3.0" (76 mm)

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\* Featuring iDrive \*\* Formerly MPB Series

\* Wider widths available, consult factory for details

# CONVEYOR COMPARISON / SELECTION CHART

- Packaging
- Accumulation/Sortation
- Print/Labeling/Marking
- Curing, Cooling, Heating & Cleaning
- QWIK Reconfiguration for Changing Needs
- Sharp Parts
- Solar Panels
- Automated Assembly

**QWIK**  
CONVEYORS

[HEAVY DUTY, LONGER, FASTER, CURVES]



- Metal Stamping
- Packaging
- Testing and Inspection
- Clean Room
- Manual Assembly
- Machine Part Handling
- Integration in Tight Spaces

**6200**

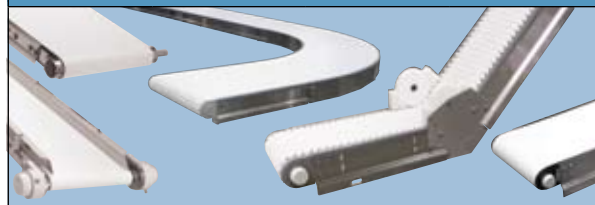
[LIGHT TO MEDIUM DUTY,  
STAINLESS STEEL FRAME]



- Food Packaging
- Pharmaceutical
- Medical
- Personal Care
- Food Processing

**AquoGard™**

[CLEANABLE - SANITARY]



- QWIK Slots for simple mounting of accessories
- Completely contained belt reduces pinch points
- Integrated wire way for low voltage wires
- Open top frame simplifies belt maintenance and replacement
- Sprocket alignment key for quick belt alignment
- Support stands mounted directly to side rail keep frame open for mounting accessories
- Nose bar tail option

- Wedge-Lok™ System for impact protection
- Self tracking v-guided belts
- Knurled stainless steel drive pulley for optimum performance
- Rack and pinion belt tension system for fast, accurate adjustment
- Rugged, 11 gauge stainless steel frame
- Sealed ball bearings
- Rugged environment

- Low profile
- Sealed stainless steel bearings with FDA lubricant
- Self tracking v-guided belts
- Stainless steel frame
- Wipe down and liquid spray washdown with certain cleaning agents
- Wedge-Lok™ System for impact protection

Flat & Cleated	Curved	Z-Frame Flat & Cleated
End Drive	End Drive	End Drive
Aluminum	Aluminum	Aluminum
Yes	Yes	Yes
8" - 60" (203 - 1,524 mm)	8" - 36" (203 - 914mm)	8" - 24" (203 - 1,219 mm)
3' - 83.25' (914 - 25,375 mm)	3' - 83.25' (914 - 25,375 mm)	3' - 83.25' (914 - 25,375 mm)
250 ft/min (76 m/min)	250 ft/min (76 m/min)	250 ft/min (76 m/min)
1,000 lbs (455 kg)	500 lbs (227 kg)	1,000 lbs (455 kg)
Straight	Curved	Straight
5.77" (147 mm)	5.77" (147 mm)	5.77" (147 mm)
Std. Idler 4.3" (109 mm)	Std. Idler 4.3" (109 mm)	Std. Idler 4.3" (109 mm)

**10-13**

Flat & Cleated Belt	Flat Belt
End Drive	Center Drive
Stainless Steel	Stainless Steel
No	No
1.75" - 12" (45 - 305 mm)	1.75" - 12" (45 - 305 mm)
2' - 12' (610 - 3,658 mm)	2' - 12' (610 - 3,658 mm)
150 ft/min (46 m/min)	150 ft/min (46 m/min)
80 lbs (36 kg)	120 lbs (54 kg)
Straight	Straight
1.48" (38 mm)	1.48" (38 mm)
1" (25 mm)	1" (25 mm)

**14-15**

7200/7300 Flat & Cleated Belt	7350 Flat, Cleated & Z-Frame	7350 Flat Curved & Z-Frame	7360 Flat, Cleated & Z-Frame
End Drive	End Drive	End Drive	End & Center Drive
Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
No	No	No	No
1.75" - 18" (45 - 457 mm)	4" - 36" (102 - 914 mm)	4" - 36" (102 - 914 mm)	4" - 52" (102 - 914 mm)
2' - 24' (610 - 7,315 mm)	3' - 83.25'*** (914 - 25,375 mm)	3' - 83.25' (914 - 25,375 mm)	3' - 40'*** (914 - 25,375 mm)
264 ft/min (81 m/min)	260 ft/min (78.6 m/min)	260 ft/min (78.6 m/min)	300 ft/min (91 m/min)
60 lbs (27 kg)	750 lbs (338 kg)	750 lbs (338 kg)	500 lbs (227 kg)
Straight	Straight	Curved	Straight
1.48" (38 mm)	5.6" (142 mm)	5.6" (142 mm)	5.6" (142 mm)
1.25" (32 mm)	4.3" (109 mm)	4.3" (109 mm)	3.5" (89 mm)

**16-23**

\*\*\* Conveyor width, length and load vary by model type.

# THE DORNER<sup>®</sup> ADVANTAGE

A program of action, support and service that make the customer's choice **Smart** and **Fast**

## Application Hotline: 800-351-8712

A direct line to our engineers, where customers can call to discuss applications and options.



## Industry leading 10 year limited warranty

The longest warranty being offered in the conveyor industry, this reduces the total cost of ownership.



## Shortest lead time in the conveyor industry

No other company can deliver custom sized and application ready conveyors faster than Dorner.

CONVEYOR TYPE	LEAD TIME (DAYS TO SHIP)*
<b>ALUMINUM EXTRUSION FRAME</b>	
V-Guided Belt	<b>3</b>
Modular Plastic Belt	<b>5</b>
<b>STAINLESS STEEL FRAME</b>	
V-Guided Belt	<b>10</b>
Modular Plastic Belt	<b>10</b>

\* Applies to products configured in E-Pricer.





### **Service Hotline: 888-417-3515**

An after hours hotline, where customers can call and get help troubleshooting conveyors from a member of Dorner's FIT team of service experts.

**Dorner's Service never sleeps.**

## **DORNER<sup>®</sup> FIT<sup>™</sup> PROGRAM**

**FACTORY INSPECTION & TRAINING**



### **Get FIT and Stay FIT Visits**

A support program to ensure equipment is installed correctly, and that existing equipment is maintained to ensure peak performance.



### **FIT Replacement Parts**

Original equipment, wear and maintenance parts from Dorner, that will add conveyor life, maximize production time and ensure the customer's warranty is maintained.



### **FIT Training**

A custom designed training course for the customer's engineers and maintenance personnel that ensures proper conveyor maintenance and safety that optimizes conveyor performance.

# 2200 AND MPB SERIES



## Specifications:

- Flat Belt End Drive, Cleated Belt End Drive and Center Drive models
- Modular Plastic Belt End Drive, Cleated Belt End Drive, and Sidewall Cleated Belt End Drive models
- Gravity Roller models
- Loads up to 120 lbs (54 kg)
- Belt speeds up to 264 ft/min (81 m/min)
- Belt Widths: 2" (45 mm) to 24" (610 mm)
- Conveyor Lengths: 2' (610 mm) to 30' (7,315 mm)
- 1.25" (32 mm) diameter head and tail pulleys
- **CE** models available

## Features & Benefits:

- Rack and pinion belt tensioning for fast, accurate single-point belt tensioning
- Aluminum die cast head plates eliminate painted surfaces
- Strong, box-like construction resists damaging frame twist
- 50% more belt take-up extends conveyor belt life
- T-slot for easy accessory mounting
- Maintenance-free gas spring tension on center drive models
- Motion sensor switch ready



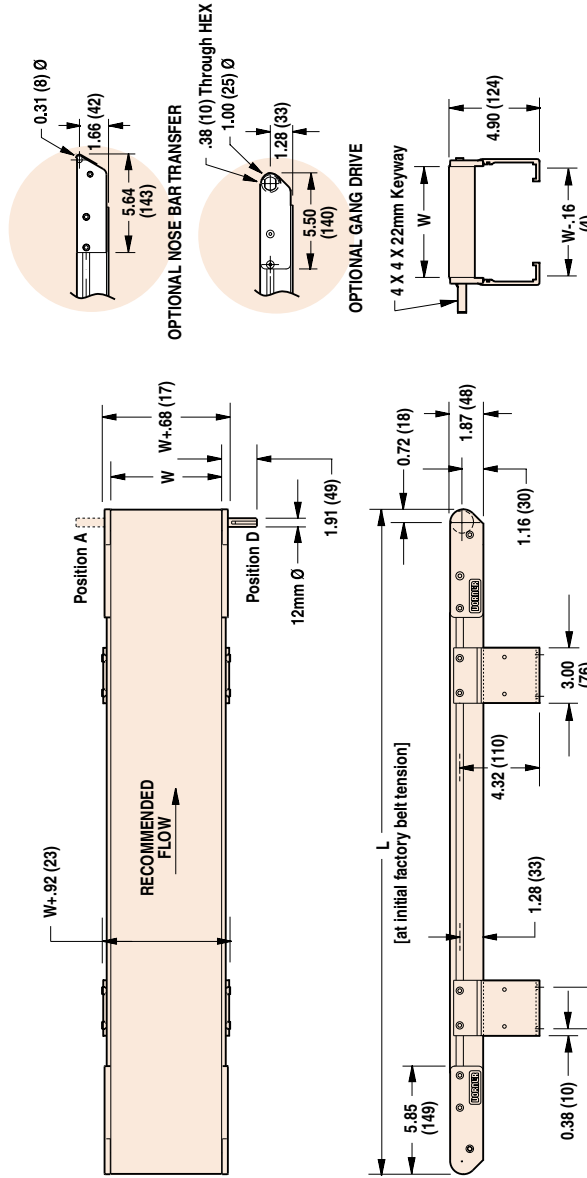
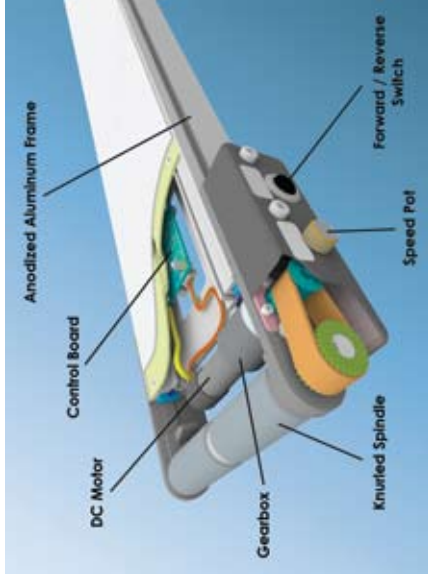
**V-Guided  
Belt Tracking**



**Rack and Pinion  
Belt Tensioning**



**Optional  
Gang Drive Pulleys**



W = Conveyor Belt Width Dim = in (mm)

**STANDARD OPTIONS**

**Nose Bar Transfer**

Available at non-driven ends for small parts transfers\*



\*Max Belt Speed of 75 ft/min (22 m/min)

**STANDARD MODELS**



**Flat End Drive**

- Flat Belt
- Modular Plastic Belt



**Cleated End Drive**

- Cleated Belt
- Cleated Modular Plastic Belt
- Sidewall Cleated Modular Plastic Belt



**Flat Belt Center Drive**




**Gravity Roller**

For more information, go to [www.dorner.com](http://www.dorner.com). Call 800.397.8664 or 262.367.7600.  
Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.

# 3200 SERIES



## Specifications:

- Flat Belt End Drive, Cleated Belt End Drive, and Center Drive models
- Z-frame Flat Belt End Drive & Center Drive
- Z-frame Cleated and Sidewall Cleated Belt End Drive
- Loads up to 1,000 lbs (455 kg)
- Belt speeds up to 421 ft/min (128 m/min)
- Belt Widths: 3.75" (95 mm) to 48" (1,219 mm)
- Conveyor Lengths: 3' (914 mm) to 99' (30,175 mm)
- 3" (76 mm) diameter head and tail pulleys
-  models available

## Features & Benefits:

- Quick five-minute belt change
- Rack and pinion belt tensioning for fast, accurate single point belt tensioning
- V-groove bed plate with guided belt provides positive belt tracking, even under demanding side load applications
- Belt take-up indicator allows for quick reading of remaining belt life
- Strong, box-like construction resists damaging frame twist
- Stand mounting brackets and return belt rollers are easily re-positioned along the frame
- Two T-Slots on each side for easy mounting of pre-engineered accessories

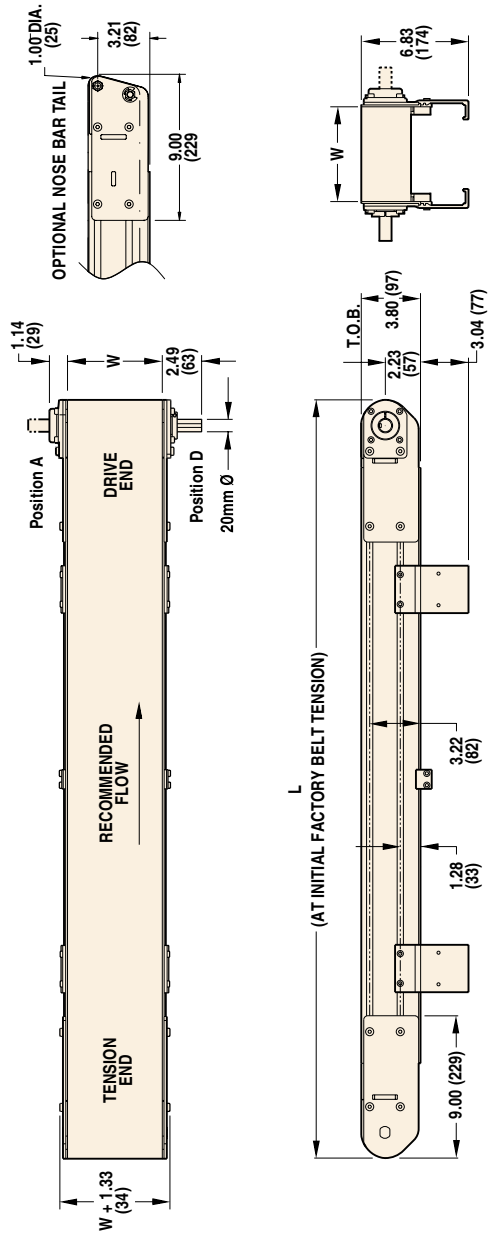


**V-Guided  
Belt Tracking**



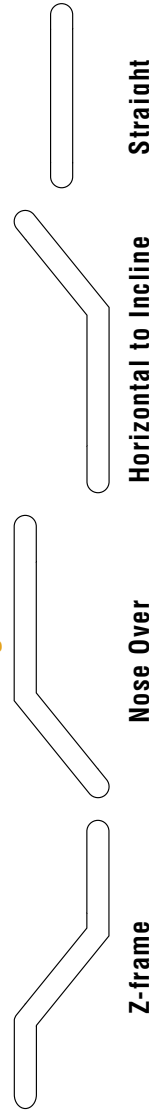
**Rack and Pinion  
Belt Tensioning**





W = Conveyor Belt Width Dim = in (mm)

**Configurations Available**



**STANDARD OPTIONS**

**Nose Bar Tail Section**

- Widths up to 48" (1,219 mm)
- Available at non-driven ends for small part transfers



**Sidewall Cleated Belts**

Used for small part handling



**Adjustable Angles**

- 0° - 35° for Flat Belts
- 25° - 60° for Cleated Belts



**STANDARD MODELS**



**Flat Belt End Drive**



**Cleated Belt End Drive**



**Flat Belt Center Drive**

For more information, go to [www.dorner.com](http://www.dorner.com). Call 800.397.8664 or 262.367.7600.

Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.

# Designed to be as flexible as your manufacturing requirements.

Z-frame to a curve • 1 Drive • 1 Belt  
*Zero Transfers*



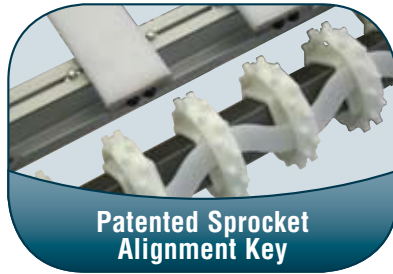
**Modular 15°  
Curve Segments**



**Air and Wiring  
Management Systems**



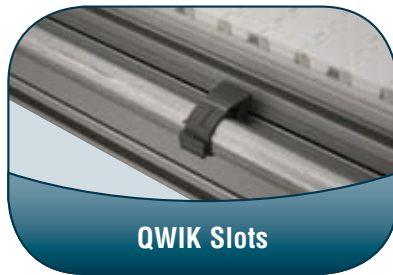
**Completely  
Contained Belt**



**Patented Sprocket  
Alignment Key**



**Integrated Low  
Voltage Wire Way**



**QWIK Slots**



**Fully  
Adjustable Guiding**



**Nose Bar  
Transfer Option**



**1" and 3"  
Side Guiding**



**1" and 3"  
Cleats**

# Z-frame, Incline and Decline Options

Modular, Flexible and QWIK to meet current and future manufacturing requirements



## QWIK Configuration

- Modularity enables simple configuration and reconfiguration
- Pre-engineered 15° curve segments make reconfiguration quick and easy
- Easy frame reconfiguration with no parts or drilling required

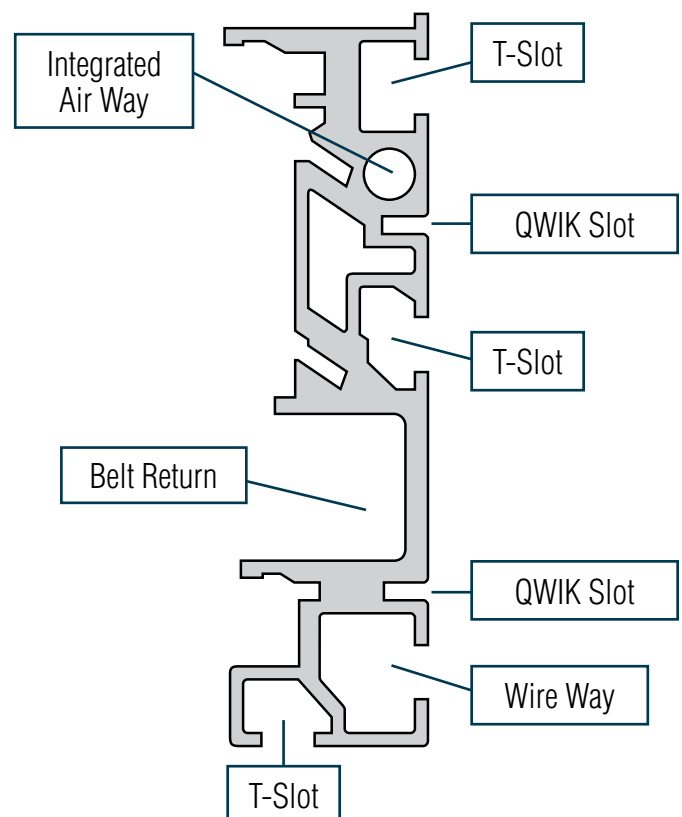
## QWIK System Setup

- Automation-enabled for easy system set up and integration
- QWIK Slots® for easy mounting of controls and accessories
- Wire way with snap-in cover for landing up to four wires
- Sprocket alignment key for quick belt alignment

## QWIK Bottom Line Results

- Able to run at high speeds
- Fewer transfers for less product loss
- Lowest maintenance

## Side Rail Features



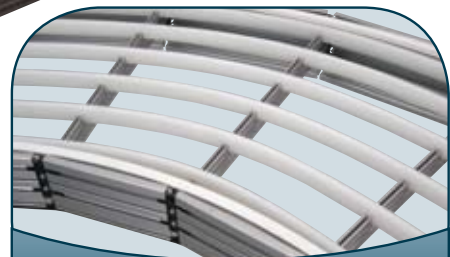


## Specifications:

- Straight Flat and Cleated Modular Plastic Belt models
- Curved Flat Modular Plastic Belt model
- Z-frame Flat and Cleated Modular Plastic Belt models
- Loads up to 1,000 lbs (453 kg)
- Belt speeds up to 250 ft/min (76 M/min)
- Belt Widths:
  - Curves: 8" (203 mm) to 36" (914 mm)
  - Straights: 8" (203 mm) to 60" (1,524 mm)
  - Z-frame Straights and Curves:  
8" (203 mm) to 24" (610 mm)
- Conveyor Lengths: 36" (914 mm) to 999" (25,375 mm)
- CE models available

## Features & Benefits:

- Quick slots make mounting air and electrical lines simple
- Completely contained belt reduces pinch points
- Integrated wire way for low voltage wires
- Side rail design make reconfiguration quick and easy
- Open top frame simplifies belt maintenance and replacement
- Support stands mounted directly to side rail keep frame open for mounting accessories
- Nose bar tail (option)



**Modular 15°  
Curve Segments**

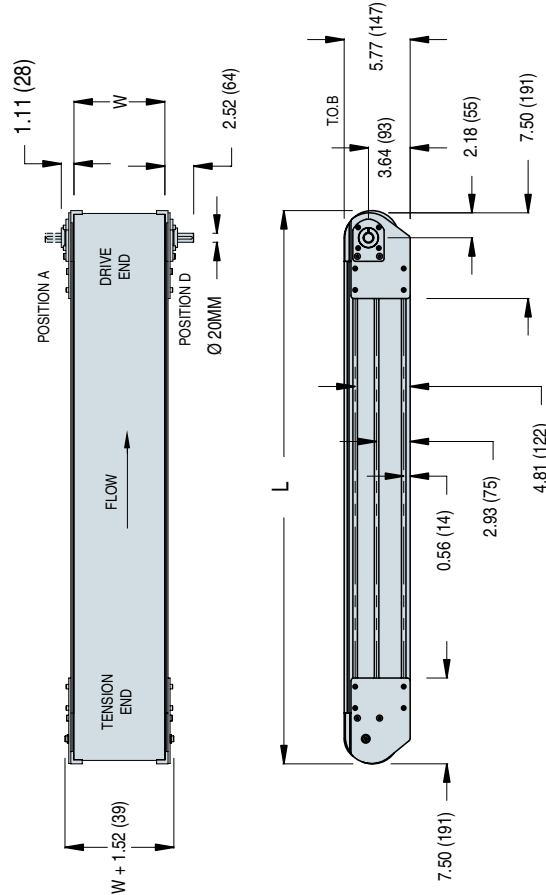
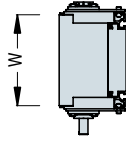
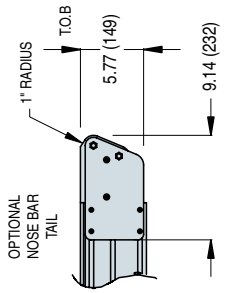
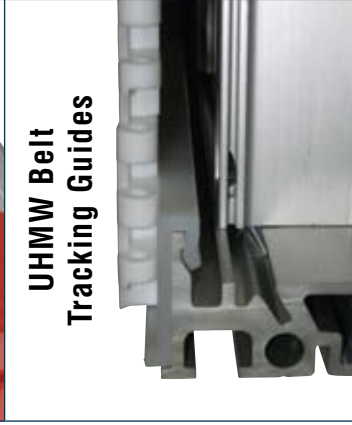


**Quick and Easy Frame  
Reconfiguration**

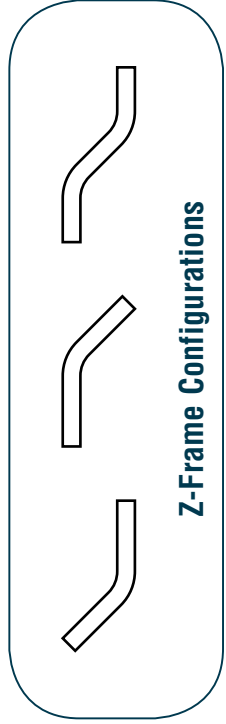
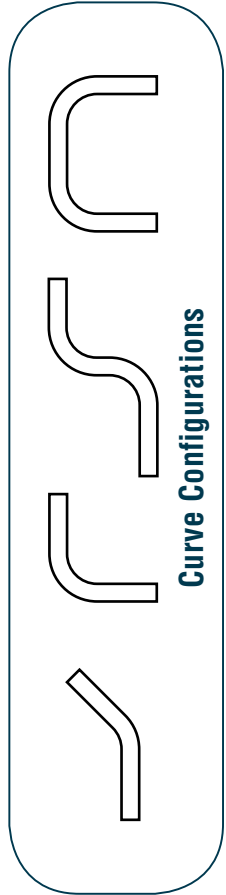


**T-Slots and Quick Slots  
for Accessory Mounting**





**W = Conveyor Belt Width Dim = in (mm)**



# 6200 SERIES



## Specifications:

- Flat Belt End Drive, Cleated Belt End Drive and Center Drive models
- Loads up to 120lbs (54kg)
- Belt speeds up to 255 ft/min (78 m/min)
- Belt Widths: 1.75" (44 mm) to 12" (305 mm)
- Conveyor Lengths: 2' (610 mm) to 12' (3,658 mm)
- 1" (25 mm) diameter head and tail pulleys
- One piece stainless steel frame
- CE models available

## Features & Benefits:

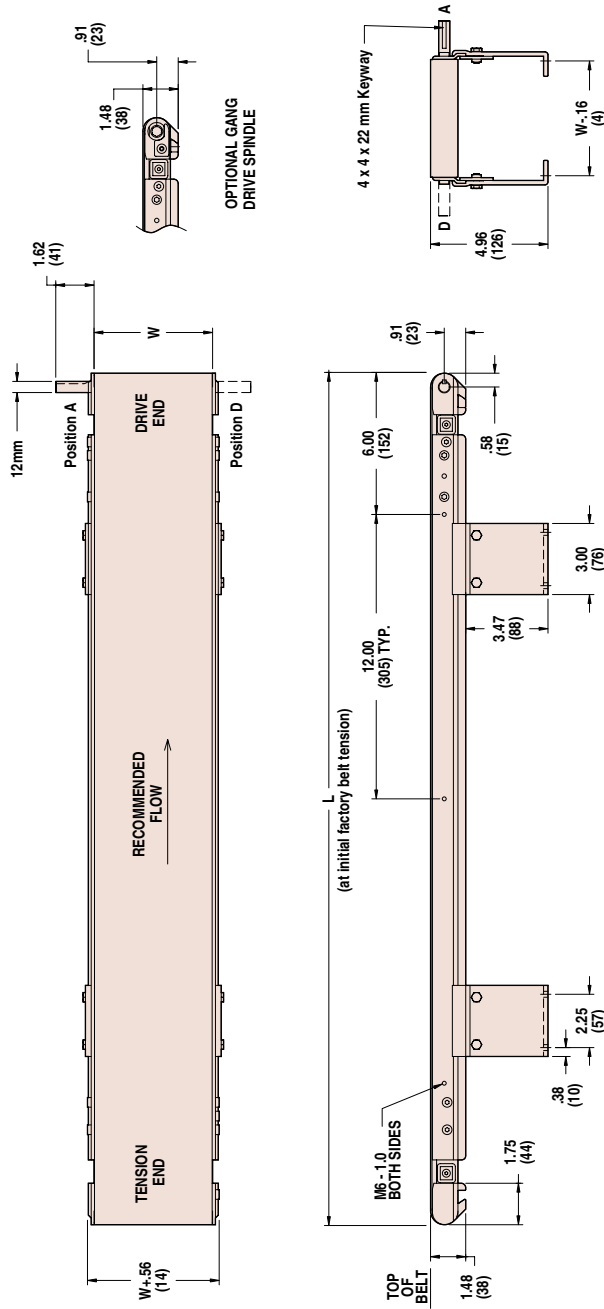
- Quick 5-minute belt change for increased uptime
- Rack and pinion design offers fast single-point belt tensioning
- Mild steel head and tail plates with black nitrite finish
- V-groove frame with guided belt ensures accurate tracking
- Wedge-Lok™ system for impact protection
- Streamlined design fits where other conveyors do not
- Low maintenance sealed bearings in both head and tail pulleys
- Quick-clamp rail for easy mounting of bolt-on accessories
- Durable 0.25" (6 mm) thick bottom wiper
- Motion sensor switch ready



**Wedge-Lok™  
System**



**V-Guided  
Belt Tracking**



W = Conveyor Belt Width Dim = in (mm)

**STANDARD OPTIONS**

**Gang Drive Pulleys**

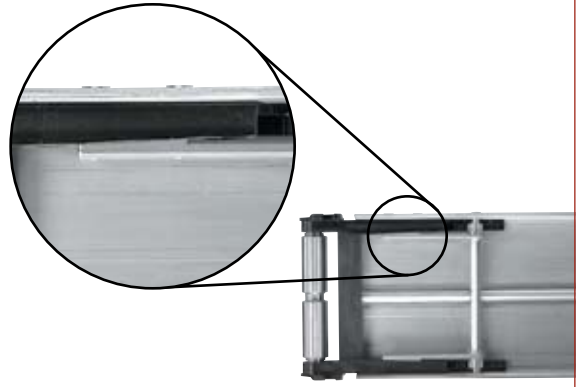
allow you to drive multiple conveyors with one gearmotor



**SPECIAL FEATURES**

**Wedge-Lok™ Protection**

protects the conveyor end from damage by locking the pulley end from movement on sharp impact



**STANDARD MODELS**



**Flat Belt End Drive**



**Cleated Belt End Drive**



**Flat Belt Center Drive**

For more information, go to [www.dorner.com](http://www.dorner.com). Call 800.397.8664 or 262.367.7600.

Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.



## Specifications:

- Flat and Cleated Belt End Drive models
- Loads up to 60lbs (27kg)
- Belt speeds up to 264 ft/min (81 m/min)
- Belt Widths: 1.75" (44 mm) to 18" (457 mm)
- Conveyor Lengths: 2' (610 mm) to 18' (5,486 mm)
- 1.25" (32 mm) diameter head and tail pulleys
- Complete stainless steel frame, headplates and pulleys
- CE models available

## Features & Benefits:

- Quick five-minute belt change for increased uptime
- Rack and pinion for fast single point belt tensioning
- 304 stainless steel frame, head and tail plates are polished to a #4 finish
- V-Groove frame with guided belt ensures accurate tracking
- Wedge-Lok™ system for impact protection
- Streamlined design fits where other conveyors do not
- Low profile, single piece frame for quick, easy cleaning
- Quick-clamp rail for easy mounting of bolt-on accessories
- A variety of FDA approved belting to meet application needs

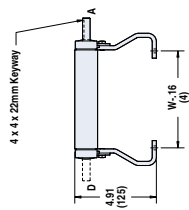


High Pressure  
Bearing Option

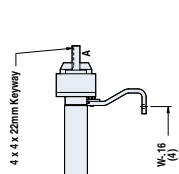
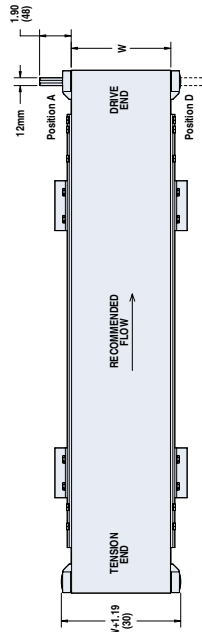


V-Guided  
Belt Tracking

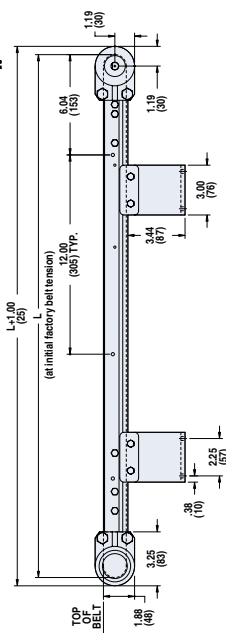
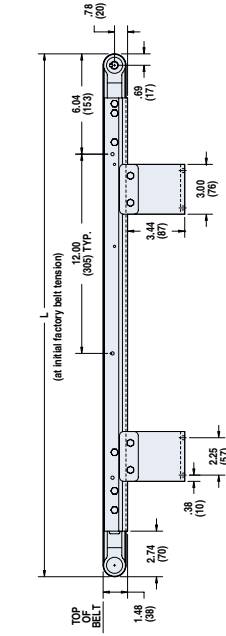
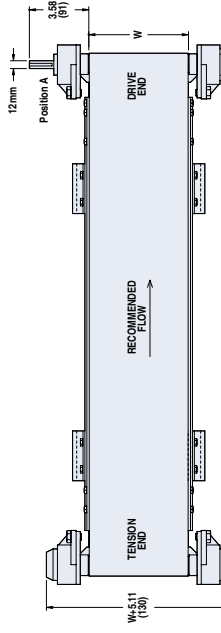




**7200**



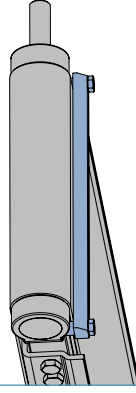
**7300**



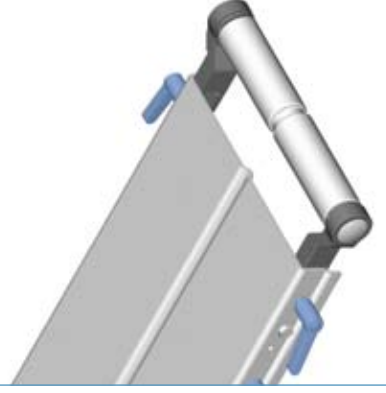
W = Conveyor Belt Width Dim = in (mm)

**STANDARD OPTIONS**

**Optional Bottom Wiper**



**Optional Tool-less Belt Change Handles for Quick Belt Release**



**STANDARD MODELS**



**Flat Belt End Drive**



**Cleated Belt End Drive**

## AquaGard™ 7350 & 7360 Series Conveyors

Improve your bottom line results with industry leading speeds, best in class product transfers, and ease of automation.

# AquaGard™



## Tailor Fit Accessories for Your Needs

Ease of Automation & Guiding



No Drilling with Innovative Key Hole & Mounting Rod



Low Voltage Wiring Accessories



Accessory Bar for Mounting Multiple Accessories



Fully Adjustable Single Rail



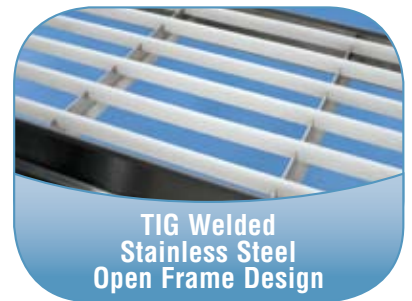
Fully Adjustable Twin Rail



High Side Guide

## Maximum Flexibility

- Straights, Curve and Z-frame Modules
- 3 Product Transfers to Choose From
- No Drilling Required for Ease of Automation or Guiding
  - Attach controls, photo eyes, low voltage wire, & air tubing
  - Attach accessory bar for mounting several automation components
  - Attach any of standard guide packages to tailor fit conveyor



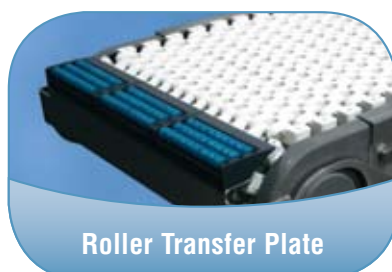
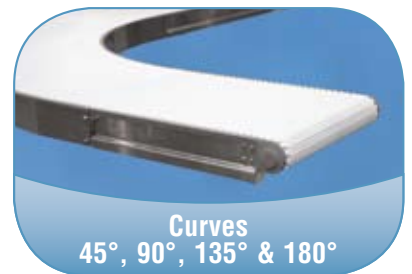
## Increase Throughput

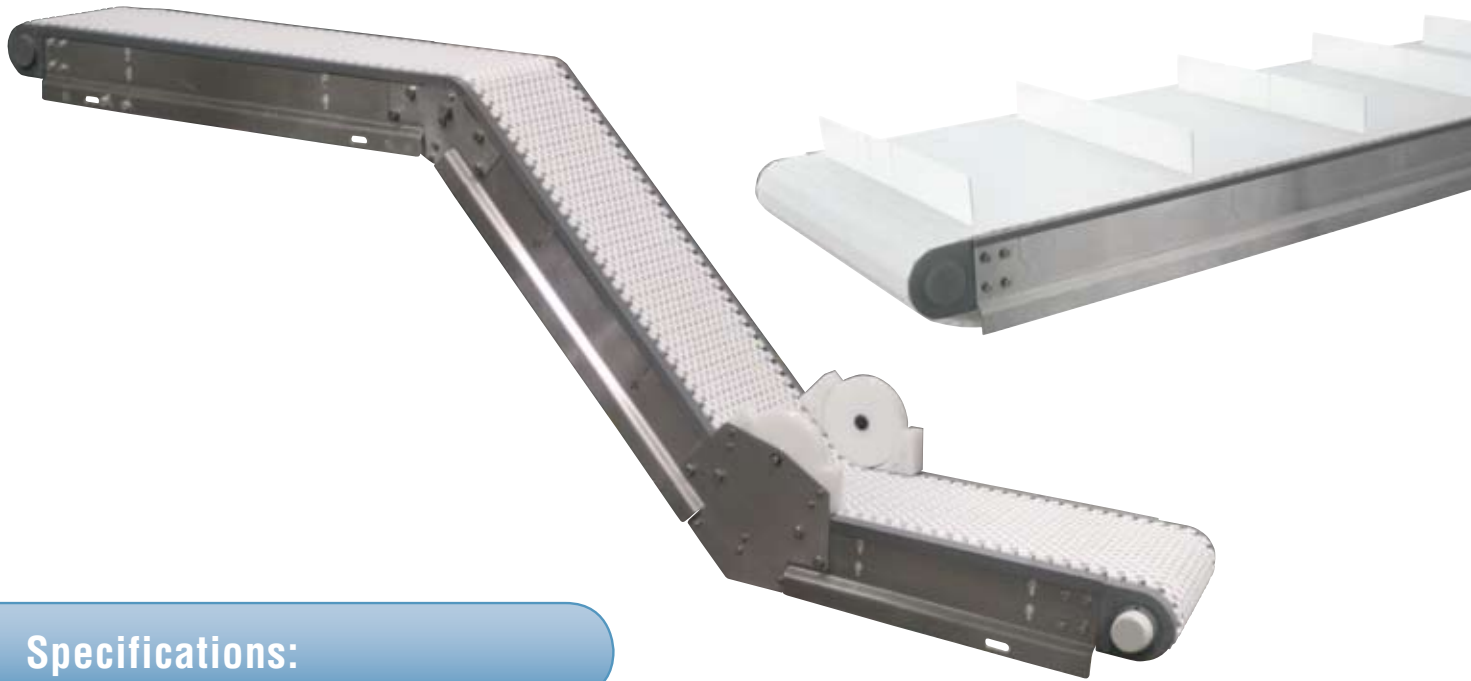
- Speeds up to 300 feet per minute
- Available in Straights, Curves and Z-frames
- 1" Nose Bar Tails
- Powered Transfer



## Reduce Product Loss

- 1" Nose Bar Tails for small part transfer
- Powered Transfer for maintaining speeds through transfer
- Roller transfer plate for smooth product transfer in minimal added length





## Specifications:

- Straight Flat and Cleated Modular Plastic Belt models
- Curved Flat Plastic Modular Belt models
- Z-frame Flat and Cleated Modular Plastic Belt models
- Loads up to 20 lbs/per square foot of belt (90 kg/m<sup>2</sup>)
- Belt speeds up to 260 ft/min (78.6 m/min)
- Belt Widths: 4" (102 mm) to 36" (914 mm)
- Conveyor Lengths: 36" (914 mm) to 83' (25,298 mm)
- All Welded Stainless Steel Frame
- CE models available

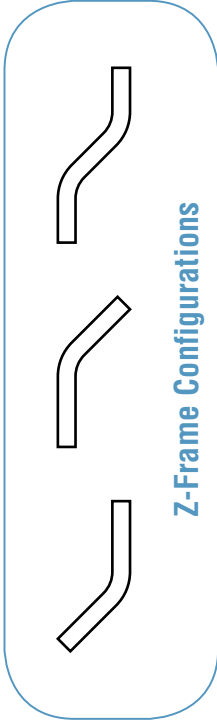


1" Nose Bar Tail

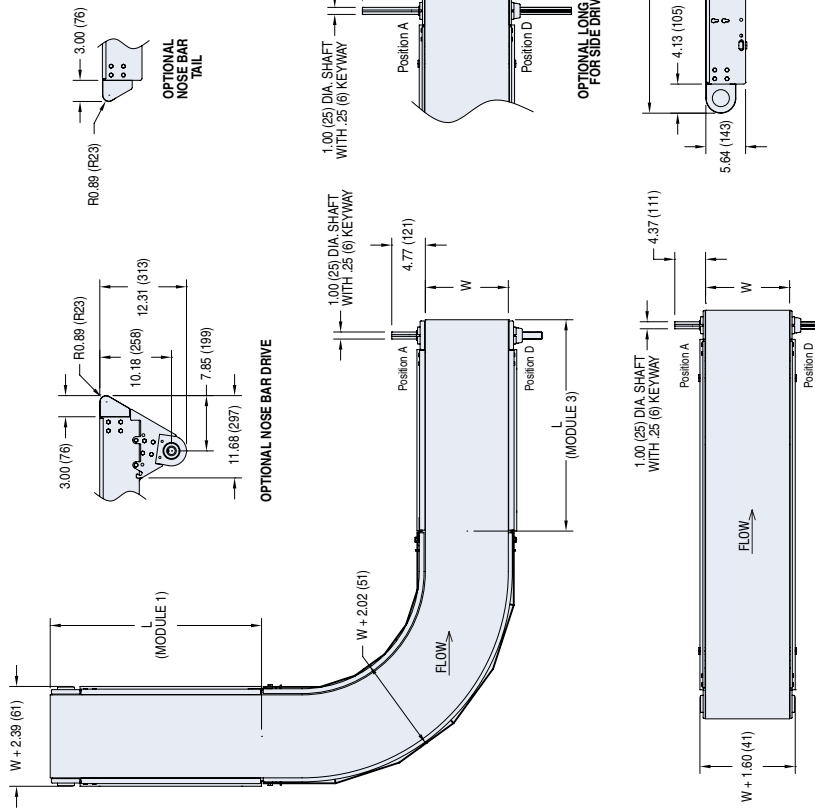
## Features & Benefits:

- Frame is constructed of TIG welded 304 stainless steel and features an open design with minimal horizontal surfaces
- Solid UHMW wear strips located in welded cross members for durable belt support
- Mount controls and accessories fast with no drilling required includes adjustable guiding, photo eyes, low voltage wires, controls, and air tubing
- Flexible guiding packages for a variety of applications including fully adjustable guiding and twin rail, and high side
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max





**Z-Frame Configurations**



**W = Conveyor Belt Width Dim = in (mm)**

**STANDARD OPTIONS**

**Easy to Accessorize**  
No Drilling Required



**Powered Transfer**



**Roller Transfer Plate**

**STANDARD MODELS**



**Flat Belt**



**Cleated Belt**



**Flat Belt Curve**



**Z-Frame Flat, Curved & Cleated**

For more information, go to [www.dorner.com](http://www.dorner.com). Call 800.397.8664 or 262.367.7600.  
Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.



## Specifications:

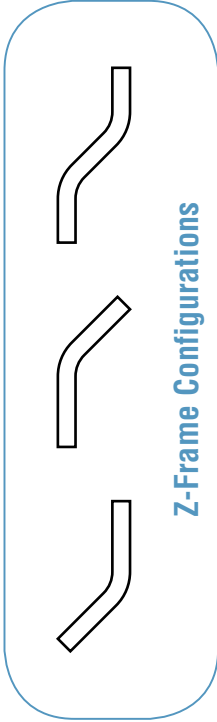
- Flat Belt End Drive, Cleated Belt End Drive and Center Drive models
- Z-Frame Flat and Cleated Belt models
- Loads up to 500 lbs (453 kg)
- Belt speeds up to 300 ft/min maximum (91 m/min)
- Belt Widths: 4" (102 mm) to 52" (1,321 mm)
- Conveyor Lengths: 36" (914 mm) to 40' (12,192 mm)
- All Welded Stainless Steel Frame
- CE models available



1" Nose Bar Tail

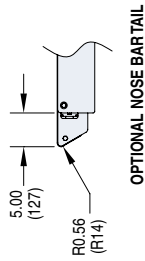
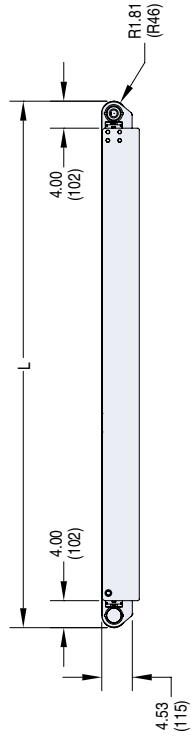
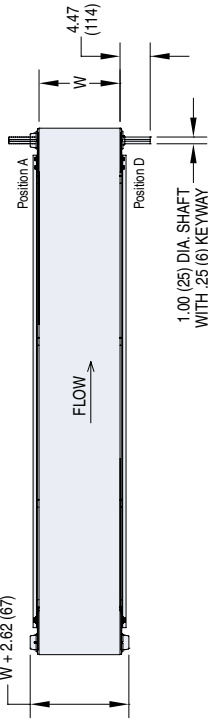
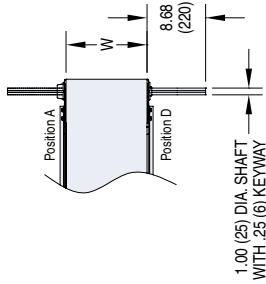
## Features & Benefits:

- Frame is constructed of TIG welded 304 stainless steel and features an open design with minimal horizontal surfaces
- Hard coated anodized aluminum wear strips located in welded cross members for durable belt support
- Mount controls and accessories fast with no drilling required includes adjustable guiding, photo eyes, low voltage wires, controls, and air tubing
- Flexible guiding packages for a variety of applications including fully adjustable guiding and twin rail, and high side
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max



**Z-Frame Configurations**

OPTIONAL LONG SHAFT FOR SIDE DRIVE



OPTIONAL NOSE BARTAIL

**OPTIONAL:  
CENTER DRIVE  
MODULE**



**STANDARD OPTIONS**

**Easy to Accessorize**  
No Drilling Required



**Powered Transfer**



**Roller Transfer Plate**



W = Conveyor Belt Width    Dim = in (mm)

**STANDARD MODELS**



**Flat Belt End Drive**



**Cleated Belt End Drive**



**Z-Frame Flat Belt**



**Z-Frame Cleated Belt**

For more information, go to [www.dorner.com](http://www.dorner.com). Call 800.397.8664 or 262.367.7600.

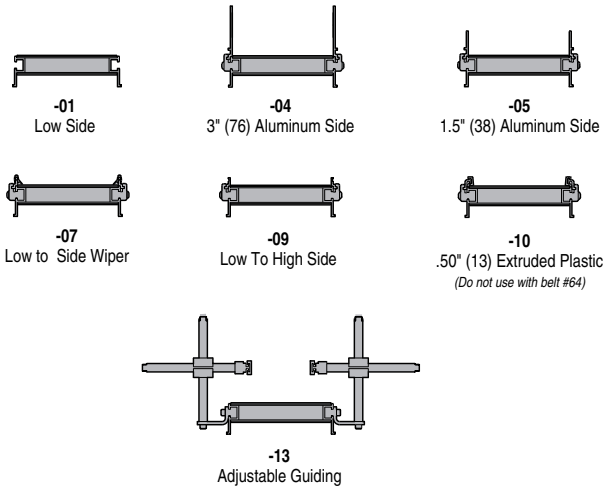
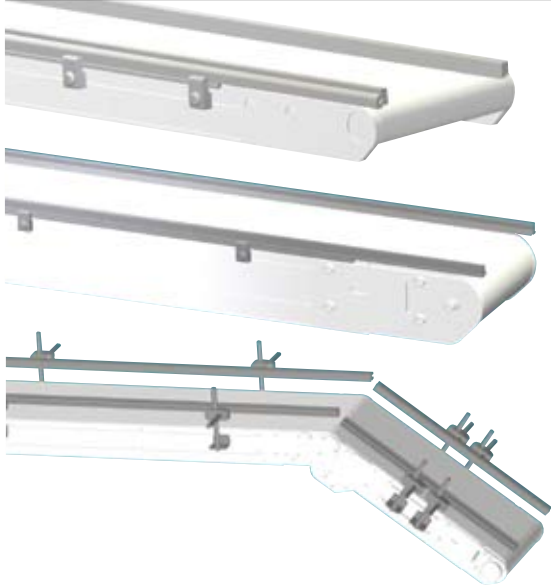
Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.

# PROFILES

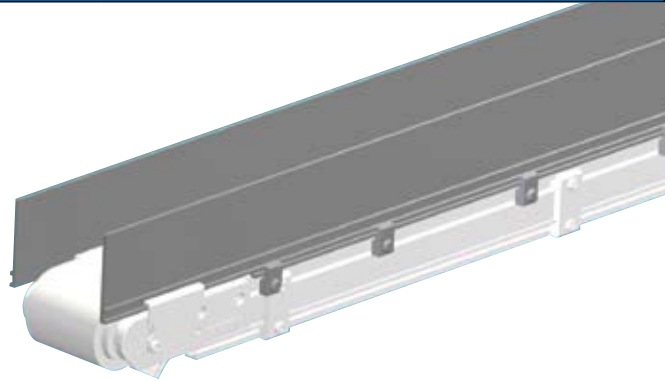
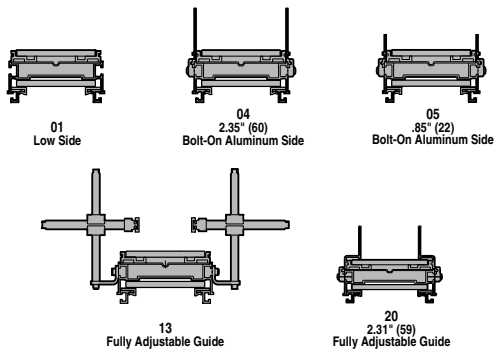
Choosing the right profile is an important step in the overall conveyor selection process. Application factors to consider include product thickness, product stability and accuracy in relation to the conveyed product. Other requirements may include side transfers, merges and accumulating products. Guides can be drilled, trimmed and cut to fit custom applications.

*(The featured 3D models were created using Dorner's 3D CAD Library. The 3D CAD Library is available to you on our website at [www.dorner.com](http://www.dorner.com))*

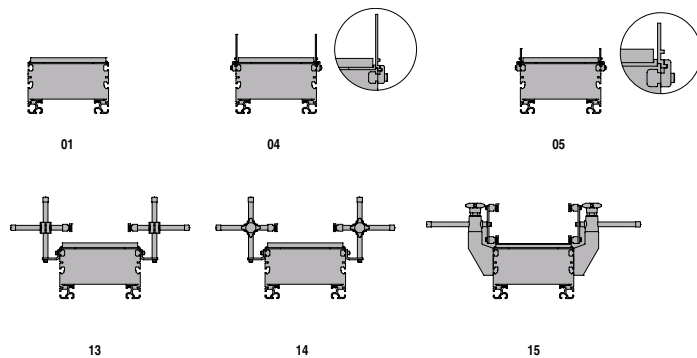
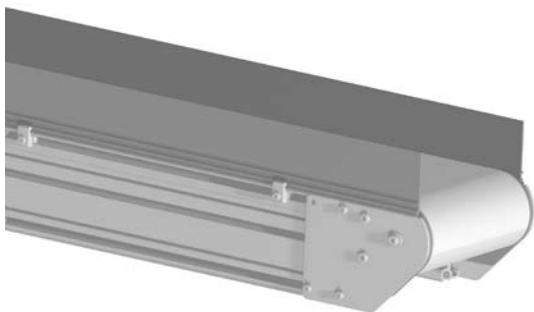
## 2200 AND 3200 SERIES



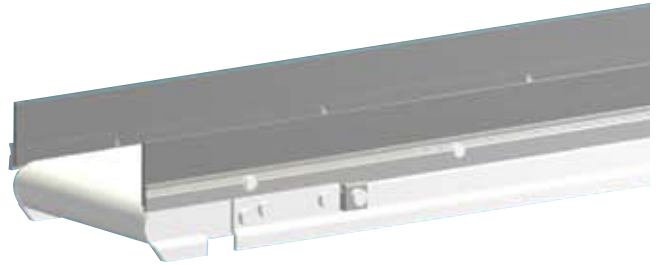
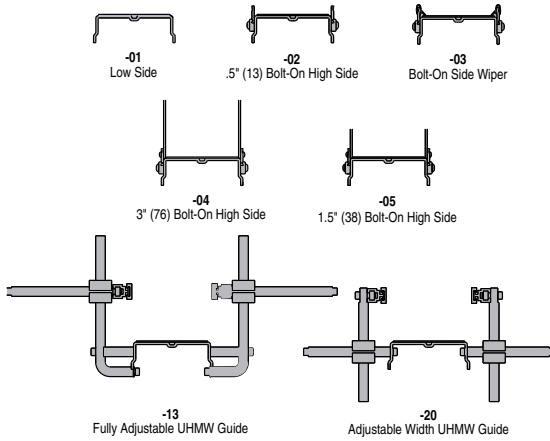
## 2200 MPB SERIES



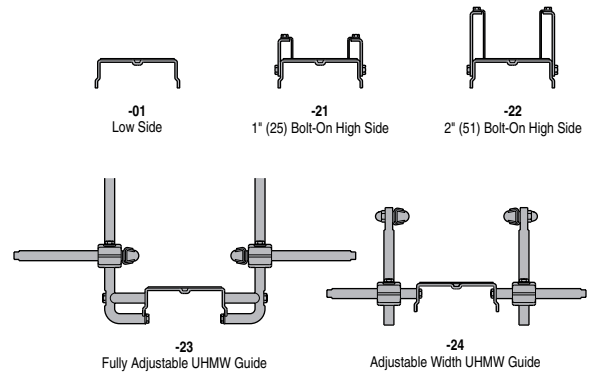
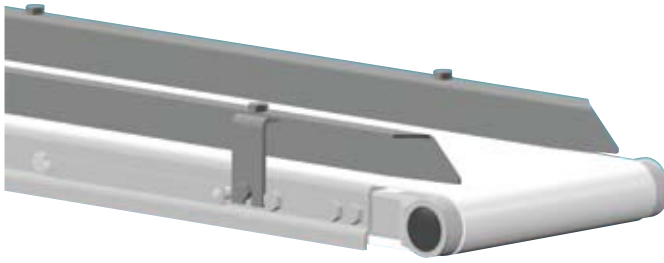
## QWIK SERIES



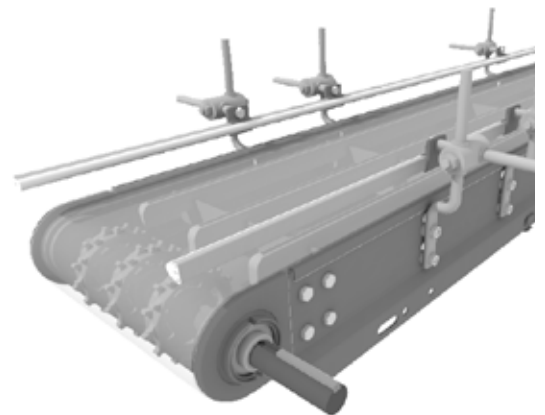
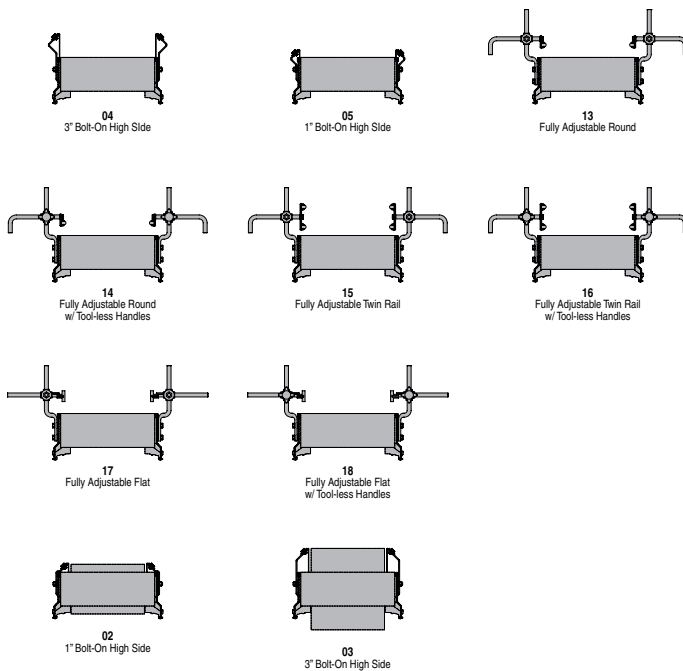
## 6200 SERIES



## 7200 & 7300 SERIES



## 7350 & 7360 SERIES





## STANDARD BELTING

These belt types provide a variety of friction, temperature, FDA approvals and anti-static options.

- FDA Accumulation
- General Purpose
- FDA High Friction
- Accumulation
- Electrically Conductive
- High Friction



\* Several Cleat Options Available

## Standard Belt Selection Guide

*Standard belt material is stocked at Dorner, then cut and spliced at the factory for fast conveyor shipment.*

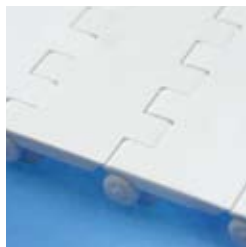
Belt Type - Finger Splice	Belt Type - Plastic Clipper	Belt Type - Metal Clipper	Belt Specifications	Thickness	Surface Material	Carcass Material	Maximum Part Temperature	Coefficient of Friction	FDA Approved	Anti-Static	Static Conductive	Chemical Resistance	Special Characteristics or Applications
01	A1	1A	FDA Accumulation	0.063" (1.6)	Urethane	Polyester	176°F (80°C)	Low	x	x		Good	Packaging, clean room and inspection
02	A2	2A	General Purpose	0.071" (1.8)	Urethane	Polyester	212°F (100°C)	Med	x	x		Good	Most versatile belt offering
03	A3	3A	FDA High Friction	0.063" (1.6)	Urethane	Polyester	176°F (80°C)	High	x	x		Good	Packaging, clean room and inspection
05	A5	5A	Accumulation	0.047" (1.2)	Urethane	Polyester	212°F (100°C)	V-Low	x	x		Good	Accumulation of products
06	A6	6A	Electrically Conductive	0.063" (1.6)	Urethane	Polyester	176°F (80°C)	Low		x	x	Good	Electronics handling
08	A8	8A	High Friction	0.083" (2.1)	PVC	Polyester	158°F (70°C)	V-High		x		Poor	Conveys up to 35° inclines

## MODULAR PLASTIC BELTING

Modular Plastic Belting is available in various flat top and cleated styles. Choose from open mesh, closed mesh, cleated and sidewall cleated belts with many options in frictions, temperature ratings and chemical resistance.



Friction Inserts



Flat Top Belts



Flush Grid Belts



Curve Belts



Cleated Belts

## SPECIALTY BELTING

A wide variety of specialty belts are available



### Specialty Belt Selection Guide

Belt Type with Finger Splice	Belt Type with Plastic Clipper	Belt Type with Metal Clipper	Belt Specifications	2200 Series, V-guided	2200 Series, non V-guided	3200 Series, V-guided	3200 Series, non V-guided	4100 Series	6200 Series	7200 and 7300 Series	Belt Thickness	Surface Material	Maximum Part Temperature	Coefficient of Friction	FDA Approved	Chemical Resistance
17	B7	7B	Material Handling, Accumulation			x	x				0.08 (2.0)	PVC	180°F (82°C)	Low		Poor
18	B8	8B	Material Handling, High Friction			x	x				0.08 (2.0)	PVC	158°F (70°C)	High		Poor
19			Nose Bar, High Friction		x						0.02 (0.6)	Urethane	212°F (100°C)	High	x	Good
50			Heat Resistant		x		x	x			0.05 (1.3)	Silicone	356°F (180°C)	Low		Good
51			Heat Resistant				x				0.04 (1.0)	Mesh	600°F (316°C)	n/a		V-Good
53			Translucent, Nose Bar, Accumulation		x		x	x			0.02 (0.51)	Urethane	212°F (100°C)	V-Low	x	Good
54	F4	4F	FDA Sealed Edge	x	x	x	x	x	x	x	0.06 (1.5)	Urethane	176°F (80°C)	Low	x	Good
55	F5	5F	FDA Sealed Edge	x	x	x	x	x	x	x	0.06 (1.5)	Urethane	176°F (80°C)	High	x	Good
56		6F	Cut Resistant	x	x	x	x	x	x	x	0.08 (2.1)	Urethane	212°F (100°C)	Med.		Good
57		7F	Cut Resistant	x	x*	x	x*	x	x	x	0.10 (2.5)	Nitrile	176°F (80°C)	Med.		Poor
58		8F	Cut Resistant		x		x	x	x		0.06 (1.5)	Urethane	176°F (80°C)	Low		V-Good
59	F9	9F	Color Contrasting	x	x	x	x	x	x	x	0.06 (1.5)	PVC	158°F (70°C)	Med.		Poor
60	G0	0G	Color Contrasting	x	x	x	x	x	x	x	0.05 (1.3)	Urethane	212°F (100°C)	Low	x	Good
61	G1	1G	Color Contrasting	x	x	x	x	x	x	x	0.05 (1.3)	Urethane	212°F (100°C)	Low	x	Good
63		3G	Electrically Conductive	x	x	x	x	x	x	x	0.05 (1.3)	Urethane	176°F (80°C)	Low		Good
64		4G	High Friction	x	x	x	x	x	x	x	0.17 (4.4)	PVC	194°F (90°C)	V-High		Poor
65		5G	Chemical Resistant		x		x	x	x		0.05 (1.3)	Polypropylene	248°F (120°C)	Low	x	V-Good
66		6G	Chemical Resistant	x	x	x	x	x	x	x	0.07 (1.7)	Polyester	212°F (100°C)	Med.	x	V-Good
67		7G	Low Friction Cleated	x	x	x**	x**	x	x	x	0.06 (1.6)	Polyester	212°F (100°C)	n/a	x	Good
68	G8		FDA Encased	x	x	x	x	x	x	x	0.10 (2.5)	Urethane	176°F (80°C)	Low	x	Good
69	G9		FDA Encased	x	x	x	x	x	x	x	0.08 (2.0)	Urethane	212°F (100°C)	High	x	Good

\*12" (305 mm) wide conveyor maximum \*\*24" (610 mm) wide conveyor maximum. Not available with LPZ.

# GEARMOTORS & MOUNTING PACKAGES

Gearmotors can be mounted to the conveyor with these standard mounting packages. Each package allows several position options and is available in both 90° and Parallel gearmotor configurations allowing you great flexibility. Mounting packages that utilize timing belts and pulleys also provide a wide range of belt speed options.

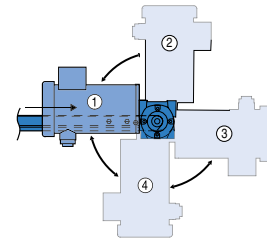
*(The featured 3D models were created using Dorner's 3D CAD Library. The 3D CAD Library is available to you on our website at [www.dorner.com](http://www.dorner.com))*

## SIDE MOUNTS

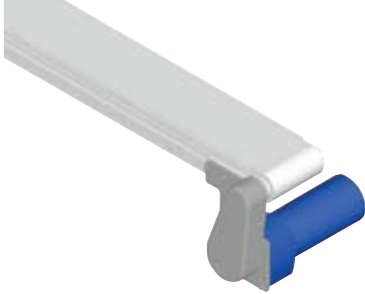


Side mounts couple the conveyor and gearmotor with a flexible coupling or directly. Used for taller parts or where space below the conveyor is limited.

90° Gearmotor Orientations

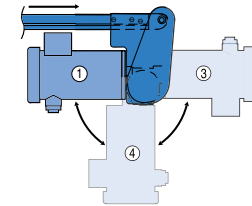


## BOTTOM MOUNTS

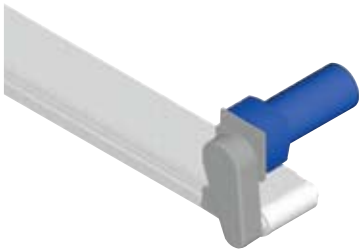


Bottom mounts utilize timing belts and pulleys for a wide variety of belt speed options. Used for taller parts and provides the most compact package.

90° Gearmotor Orientations

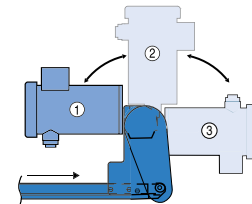


## TOP MOUNTS



Top mounts utilize timing belts and pulleys for a wide variety of belt speed options. Used for table top mounts or where space below the conveyor is limited.

90° Gearmotor Orientations

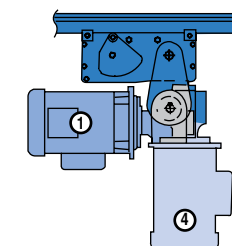


## CENTER MOUNTS



Frees up both ends of conveyor for machine interface and maintenance free belt take-up.

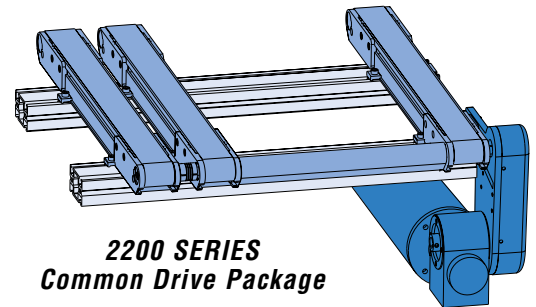
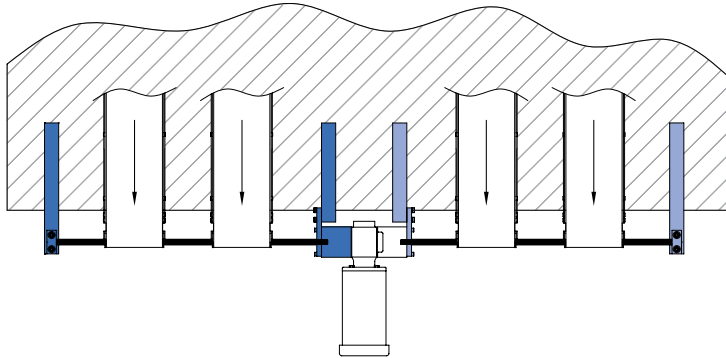
90° Gearmotor Orientations



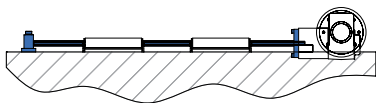
# GEARMOTORS & MOUNTING PACKAGES

## MULTIPLE CONVEYOR DRIVE PACKAGES

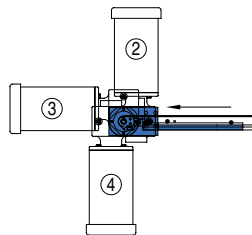
Used to drive multiple conveyors with one gearmotor



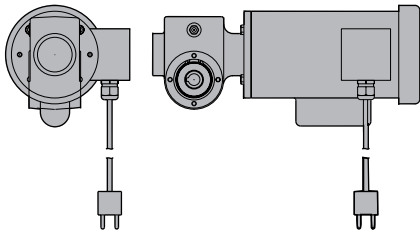
**2200 SERIES**  
Common Drive Package



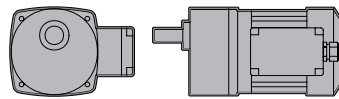
**6200 and 4100 Series**  
Bolster Mount Gang Drive Package



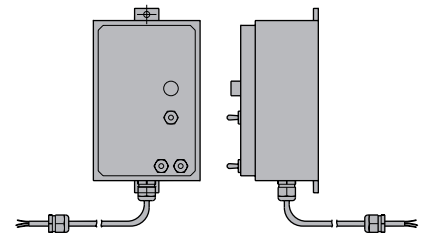
## GEARMOTORS & CONTROLS



**90° Gearmotors**



**Parallel Shaft Gearmotors**



**Variable Speed Controllers**

Dorner has a Gearmotor and Controller to suit your needs:

- 1 Phase
- 3 Phase
- 60 Hz
- 50 Hz
- 115 V
- 208 - 230 / 460V
- 400 V
- Fixed Speed
- Variable Speed
- DC
- Variable Frequency
- Pneumatic
- High Friction
- CE

Supporting  
the  
**AquaGard™**  
Line of Conveyors

- Washdown - White Epoxy
- Washdown - Stainless Steel

## MANUAL MOTOR STARTERS

### VFD Motor Control – Single Input Interface



- Variable frequency drive
- 0.5 HP, 2.4 Amp output
- 115V single phase input voltage
- 230V three phase output
- Motor overload protection
- Nema 1 enclosure
- Quick disconnect motor cord
- One input location for control devices
- Quick disconnect plug for control devices
- Internal terminals for hardwired PLC or machine interface

### VFD Motor Control – Dual Input Interface



- Variable frequency drive
- 115V/230V single phase input voltage
- 230V/460V three phase input voltage
- Motor overload protection
- Lockout/tagout disconnect
- Nema 12 enclosure
- Operator interface panel
- Quick disconnect motor cord
- Two input locations for control devices
- Quick disconnect plug for control devices
- Internal terminals for hardwired PLC or machine interface

## Features & Benefits



### Quick Disconnect Motor Cords

- No high voltage wiring
- Quick motor maintenance



### Color Coded Quick Disconnect Input Devices

- No high voltage wiring
- Plug-n-play applications



### Includes All Mounting Hardware

- No field modifications
- Quick start-up time



## PHOTO EYE KITS



- 24V DC Retro Reflective Sensor
- Quick disconnect plug
- Includes reflector and mounting
- Fully adjustable mount for 2200/3200/5200 Series conveyors
- 2" and 5" adjustment height ranges

## IN-LINE CORD EMERGENCY STOP KIT



- Push to stop/pull to start push button
- Plastic Nema 12 enclosure
- 115V single phase
- 1/2 hp (0.37 kW) and smaller motors
- Includes power and outlet cords
- Mounting for 2200/3200/5200 Support Stands
- Horizontal or vertical mount

## JOG PUSH BUTTON KIT



- Momentary contact push button
- Plastic Nema 12 enclosure
- Quick disconnect receptacle
- Mounting for 2200/3200/5200 Support Stands
- Horizontal or vertical mount

## PHOTO EYE BRACKET KITS



- Standard mounting for 18 mm barrel/nose mount photo-eyes
- Reflective version includes reflector
- Through beam mount version
- Fully adjustable mount for 2200/3200/5200 Series conveyors
- 2" and 5" adjustment height ranges

## CONTROL STOP KIT



- Push to stop/pull to start maintained push button
- Plastic Nema 12 enclosure
- Quick disconnect receptacle
- Mounting for 2200/3200/5200 Support Stands
- Horizontal or vertical mount

## LINKING CABLE KITS



- Quick disconnect cable for all control devices
- 2 meter and 5 meter lengths
- Includes mounting hardware for t-slots



### Lockout / Tagout

- Keep operators safe
- Meet OSHA requirements



### Photo Eye Brackets

- Mount any 18 mm barrel/nose mount device



### All Devices are T-slot Mounted

- Application flexibility
- Ease of wiring

# SUPPORT STANDS

## CONVEYOR SUPPORT STANDS & ACCESSORIES

Dorner offers the most complete conveyor support stand program available.

### Features & Benefits

- Widths: 2 in to 48 in (51 mm to 1,219 mm)
- Heights: 6 in to 99 in (152 mm to 2,515 mm)
- Aluminum legs with four t-slots for accessory mounting
- Tops pivot +/- 90 degrees
- Solid steel conveyor mounting surfaces

Supporting  
the  
**AquaGard™**  
Line of Conveyors

Stainless  
Steel Stand  
7200 & 7300



- Complete Stainless Steel Construction
- Designed for Washdown Environments
- Pivoting Feet for Sloped Floors

### Accessories

- Casters
- Diagonal bracing
- Fine adjustment kits
- Common mount bar for multiple conveyors
- Table top mounting kits
- Floor mounts



Stainless  
Steel Stand  
7350 & 7360



Fixed Height  
Stands



Adjustable Height  
Stands



Fully Adjustable  
Stands



Diagonal  
Bracing



Swivel Locking  
Casters



Multi-Tier  
Stands



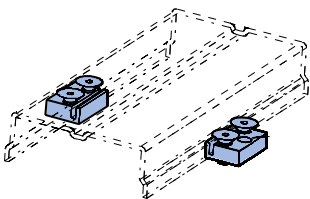
Short  
Stands



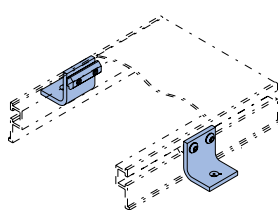
Single Post and  
Pillar Stands

## CONVEYOR MOUNTING BRACKETS

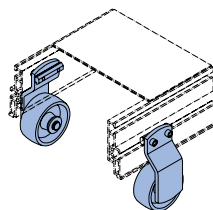
6200, 7200 and 7300  
Series Table Top  
Mounting Brackets



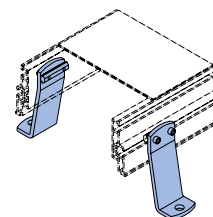
2200 and 3200  
Series Table Top  
Mounting Brackets



Frame Mount  
Casters



Floor  
Mounts



## ADJUSTABLE LANE GUIDING



- Compatible with 2200/3200/5200/6200 Series flat belt conveyors
- Compatible with standard Dorner bolt-on profiles
- Easily adjusts for quick product change over
- Attach additional guides to create multiple lanes
- Create lanes, plows, merges and transfers

## 90° ADJUSTABLE TRANSFER



- Compatible with 2200/3200/5200 Series flat belt conveyors
- Pre-engineered guided turns adjust to a variety of products
- Accepts standard Dorner bolt-on profiles outside of transfer area
- Place adjusting rods where required
- Easily adjusts for quick product change-over

## PULLEY TRANSFER PLATES



- Compatible with 2200/3200 Series flat belt conveyors
- Used to transfer small parts
- Recommended for 90° conveyor transfers

**Note:** Not compatible with high friction belts.

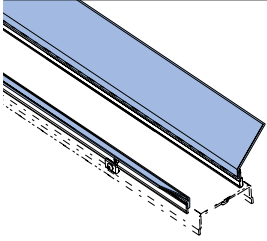
## SIDE TABLES



- Provides a 6" or 12" wide working surface
- Adjusts in/out and up/down for product transfer on/off conveyor
- Can be positioned anywhere along the conveyor
- Anodized aluminum work surface
- Max load: 5 lbs./ft (6 kg/m), use Adjustable Tie Brackets for added capacity
- Available in sections 1' (305 mm) to 8' (2,438 mm) long. Multiple sections can be combined for a maximum length of 99' (30,175 mm)
- Compatible with 2200/3200/5200 Series conveyors

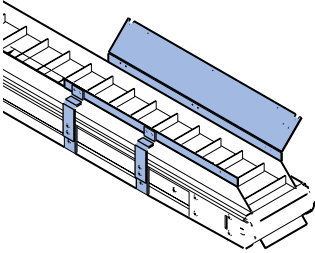
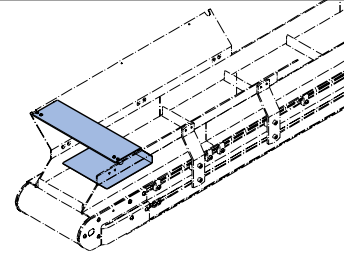
# ACCESSORIES

## CHUTES AND GUIDES



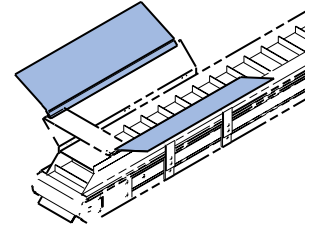
Flared Side Guide

Infeed Chute Backstop

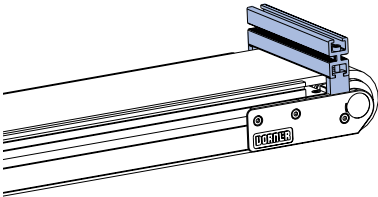


Horizontal Infeed Chute

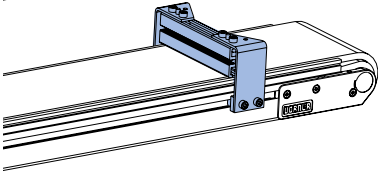
Hinged Chute Extensions



## STOPS



- Compatible with 2200/3200/5200/6200 Series
- Compatible with all Gearmotor Mounting Packages

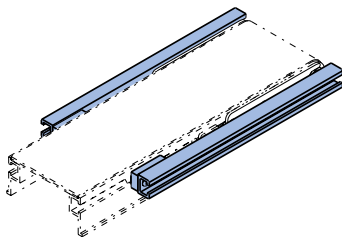


- Compatible with 2200/3200/5200 Series
- Easily adjusts along length of conveyor

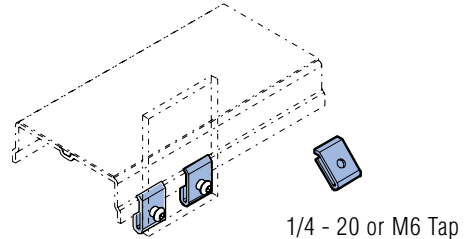
**Note:** Not compatible with high friction belts.

## HARDWARE

T-Slot Extenders

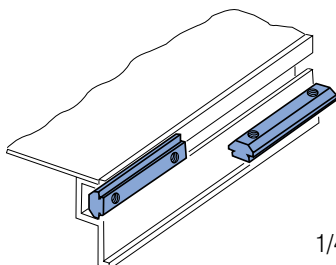


6200, 7200 and 7300 Series Mounting Clips



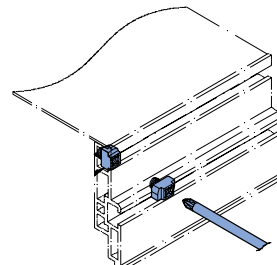
1/4 - 20 or M6 Tap

Single and Double Hole T-Bars



1/4 - 20 or M6 Tap

Spring T-Nut



1/4 - 20 or M6 Tap

Even though Dorner provides the most extensive offering of pre-engineered conveyors, modifications and engineered solutions for specific applications are sometimes needed to achieve the optimum conveyor package. Dorner has over 40 years of experience providing engineering expertise to our customers. Working with companies in more than 40 different industries, we are able to draw from a wide base of application knowledge and apply it to your specific needs. Our state-of-the-art lean manufacturing facility allows us to build these solutions quickly and cost effectively.

## WORK HOLDING AND ELEVATION CHANGE



**Magnetic Conveyors • Vacuum Conveyors • Special Cleated Conveyors • Fixtured Conveyors**

Holding parts to the belt for elevation changes or controlled positioning can be achieved in a variety of ways. Depending upon the application and product, conveyors that utilize magnets, vacuum, cleats or fixtures are available in a wide variety of configurations.

## PRODUCT FLOW



**Diverters and Gates • Pushers • Lane Guiding**

Controlling the continuous flow of products through the line is critical to maintain efficiency. Product flow is achieved using a variety of methods and components depending upon the product, flow path and equipment with which to interface.

## PRODUCT POSITIONING



**Servo Drives • Timing Belt Conveyors • Shaft Encoders**

Product positioning when stopping is often a necessity for processes such as inspection, assembly or feeding into equipment. This can be achieved in different ways depending upon the accuracy required.



# ENGINEERED APPLICATIONS

## SANITARY OPTIONS



### Flat Wire Belt • Hoppers • Chutes • Conveyor Covers

Dorner offers several sanitary options to complement our full line of AquaGuard and AquaPruf conveyors. They are designed for the stringent requirements of these industries: prepared food, bakery, confectionery, snack foods, medical, pharmaceutical and some meat, poultry, dairy and fish.

## LINE ACCESS



### Lift Gates • Pivot Conveyors

Access to equipment, work areas and the efficient movement of personnel can be provided by utilizing lift gates and pivot conveyors in the conveyor line.

## IN-LINE INSPECTION



### Backlit Conveyors • Metal Free Conveyor Zone • Barcode Readers

In-line inspection processes can be automated and enhanced using a variety of conveyor modifications.

## MULTIPLE BELTS – ONE DRIVE



### Common Drive Conveyors • Multiple Belt

When multiple lanes of product are needed, driving multiple belts or conveyors from a single drive is an energy efficient option.

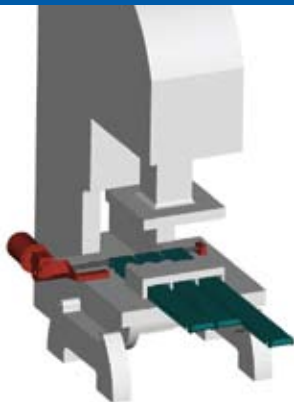
## ACCESSORIES



### Chutes • Covers • Custom Motor Mounting Packages

A wide variety of specifically designed accessories are available to create a conveyor package that is optimum for your application.

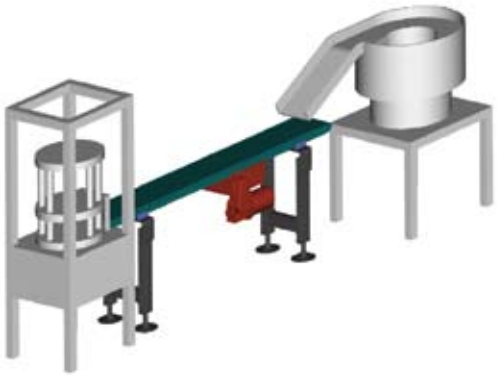
## METAL STAMPING



Dramatically increase productivity and safety by continuously removing and separating scrap from finished parts.

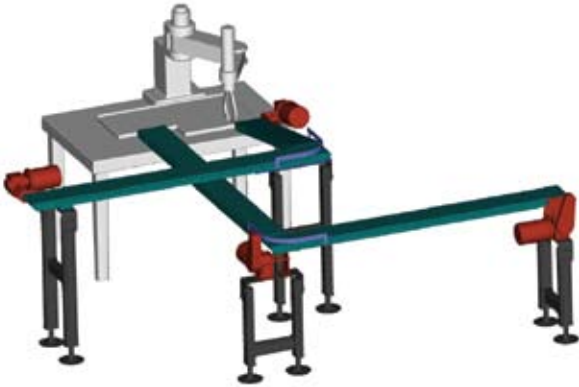
# ENGINEERED APPLICATIONS

## AUTOMATED ASSEMBLY



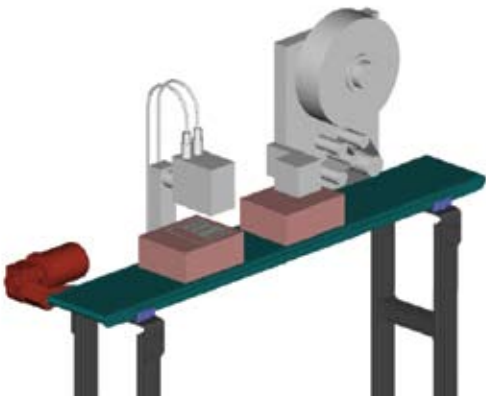
As a partner in automation, Dorner Low Profile Conveyors improve quality, worker ergonomics, safety and productivity.

## ROBOTIC WORKCELL



Dorner's low profile conveyors can be efficiently integrated into work cells reducing wasted time spent manually handling material and increasing productivity.

## LABELING / PACKAGING



Streamline packaging and distribution operations by utilizing a conveyor with an ink jet, labeler or bar code scanner. Smooth, consistent belt flow allows for clear and accurate results.

From metal stamping to automated assembly, to food processing to packaging, we have the right conveyor for your application.



## 2200 SERIES LOW PROFILE BELT CONVEYORS

Aluminum Extruded Construction

- Belt and modular belt options
- High performance conveying
- Streamlined machine interface
- Small parts transfers
- Efficient use of space
- Accumulation
- High temperatures
- Sharp parts
- Aesthetics



## 3200 SERIES HEAVY DUTY BELT CONVEYORS

Aluminum Extruded Construction

- Straight, inclined and elevating configurations
- High performance conveying
- Main line, long lengths
- Heavy duty applications
- Fast belt speeds
- Aesthetics



## QWIK CONVEYORS 5200 SERIES HEAVY DUTY CHAIN

Aluminum Extruded Construction

- Straight, curve, incline and decline configurations
- High performance conveying
- Main line, long lengths
- Heavy duty applications
- Fast belt speeds
- Part accumulation
- Automated and manual assembly



## 6200 SERIES LOW PROFILE BELT CONVEYORS

Stainless Steel Construction

- Tight space
- Basic conveying needs
- Wedge-Lok™ system
- Metal stamping
- Rugged environment
- Part accumulation
- Small part transfer



## AQUAGARD™ FAMILY OF SANITARY CONVEYORS

Stainless Steel Construction; 7200, 7300, 7350, and 7360

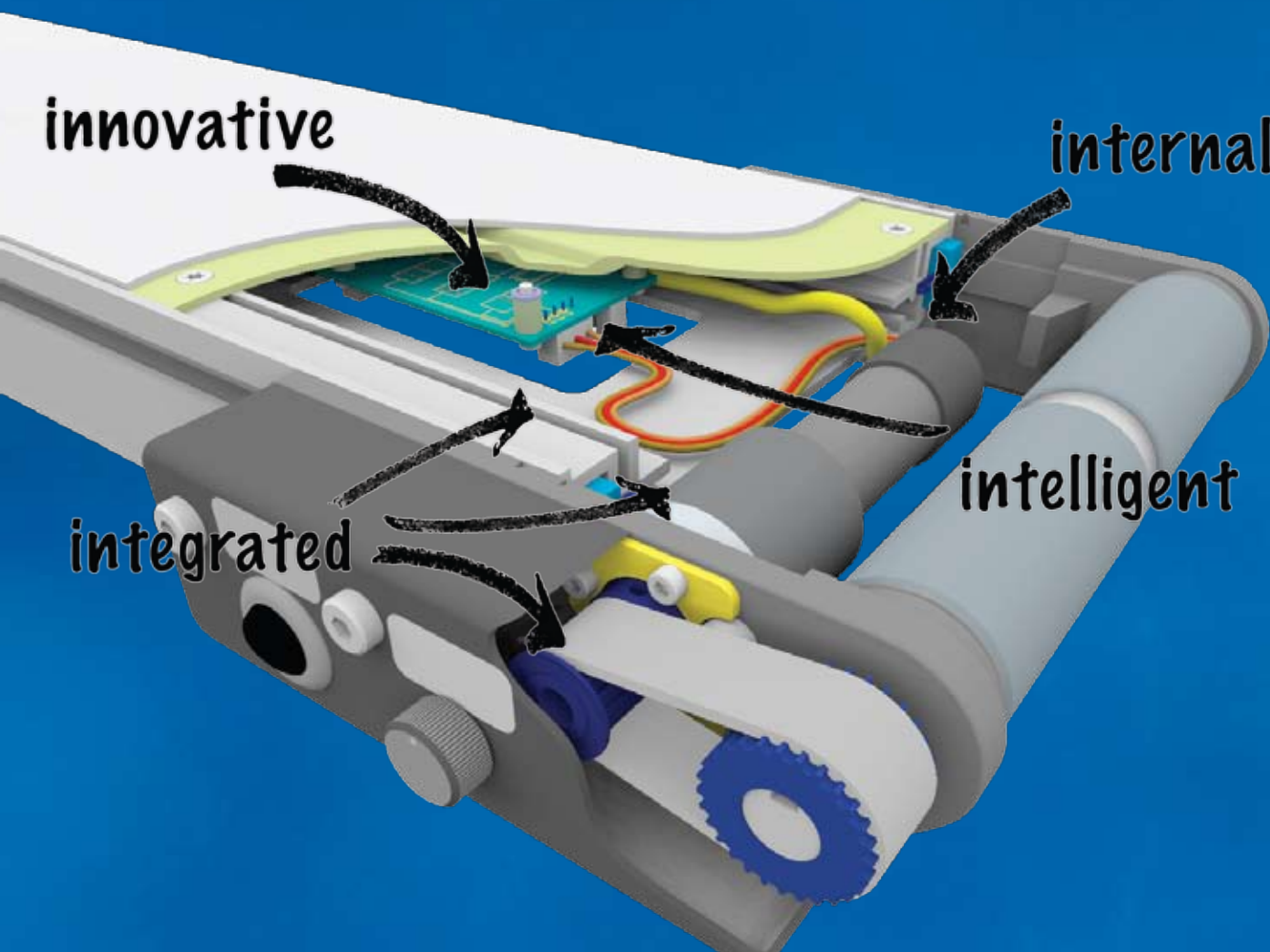
- Straight, curve, incline and decline configurations
- Belt and modular belt options
- Industry leading speeds
- Small parts transfers
- Easy to accessorize - No drilling required
- 10 guiding packages available



## AQUAPRUF® FAMILY OF SANITARY CONVEYORS

Stainless Steel Construction; 7400, 7600 and Ultimate Series

- Straight, curve, incline and decline configurations
- Belt and modular belt options
- Wash-down and sanitary environments
- Clean rooms
- Chemical Resistance
- USDA, FDA, BISSC



**innovative**

**internal**

**integrated**

**intelligent**

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