

CONVEYOR COMPARISON / SELECTION CHART

Application Requirements



- 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



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









- 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



Belt Type

Drive Locations

Construction

T-slots for Mounting **Accessories**

Belt Widths

Conveyor Lengths

Max Belt Speed

Maximum Load

Frame Configuration

Frame Height

Pulley Diameter

Page

Flat Belt		Cleated Belt	MPB Flat & Cleated Belt *	
End / iDrive	Center Drive	End Drive	End Drive	
Aluminum	Aluminum	Aluminum	Aluminum	
Yes	Yes	Yes	Yes	
1.75" - 24"	1.75" - 24"	1.75" - 24"	3" - 23.25"	
(45 - 610 mm)	(45 - 610 mm)	(45 - 610 mm)	(76 - 591 mm)	
1.5' - 18'	2' - 24'	1.5' - 18'	2' - 30'	
(457 - 5,486 mm)	(610 - 7,315 mm)	(457 - 5,486 mm)	(610 - 9,144 mm)	
400 ft/min	400 ft/min	400 ft/min	250 ft/min	
(122 m/min)	(122 m/min)	(122 m/min)	(76 m/min)	
80 lbs	120 lbs	80 lbs	150 lbs	
(36 kg)	(54 kg)	(36 kg)	(68 kg)	
Straight	Straight	Straight	Straight	
1.87"	1.87"	1.87"	2.96"	
(48 mm)	(48 mm)	(48 mm)	(75 mm)	
1.25"	1.25"	1.25"	2.6"	
(32 mm)	(32 mm)	(32 mm)	(66 mm)	

Flat Belt		Cleated Belt	MPB Flat & Cleated Belt *	
End / iDrive	Center Drive	End Drive	End Drive	
Aluminum	Aluminum	Aluminum	Aluminum	
Yes	Yes	Yes	Yes	
1.75" - 24"	1.75" - 24"	1.75" - 24"	3" - 23.25"	
(45 - 610 mm)	(45 - 610 mm)	(45 - 610 mm)	(76 - 591 mm)	
1.5' - 18'	2' - 24'	1.5' - 18'	2' - 30'	
(457 - 5,486 mm)	(610 - 7,315 mm)	(457 - 5,486 mm)	(610 - 9,144 mm)	
400 ft/min	400 ft/min	400 ft/min	250 ft/min	
(122 m/min)	(122 m/min)	(122 m/min)	(76 m/min)	
80 lbs	120 lbs	80 lbs	150 lbs	
(36 kg)	(54 kg)	(36 kg)	(68 kg)	
Straight	Straight	Straight	Straight	
1.87"	1.87"	1.87"	2.96"	
(48 mm)	(48 mm)	(48 mm)	(75 mm)	
1.25"	1.25"	1.25"	2.6"	
(32 mm)	(32 mm)	(32 mm)	(66 mm)	

8-13

Flat Belt		Cleated Belt	Z-Frame Flat & Cleated	
End / iDrive	Center Drive	End Drive	End & Center Drive	
Aluminum	Aluminum	Aluminum	Aluminum	
Yes	Yes	Yes	Yes	
3.75" - 48" *	3.75" - 48" *	3.75" - 24"	3.75" - 48"	
(95 - 1,219 mm)	(95 - 1,219 mm)	(95 - 610 mm)	(95 - 1,219 mm)	
3' - 40'	4' - 99'	3' - 40'	4' - 40'	
(914 - 12,192 mm)	(1,219 - 30,175 mm)	(914 - 12,192 mm)	(1,219 - 12,192 mm)	
600 ft/min	600 ft/min	600 ft/min	600 ft/min	
(183 m/min)	(183 m/min)	(183 m/min)	(183 m/min)	
400 lbs	1,000 lbs	400 lbs	100 lbs	
(181 kg)	(455 kg)	(181 kg)	(45 kg)	
Straight	Straight	Straight	Straight	
3.80"	3.80"	3.80"	3.80"	
(97 mm)	(97 mm)	(97 mm)	(97 mm)	
3.0"	3.0"	3.0"	3.0"	
(76 mm)	(76 mm)	(76 mm)	(76 mm)	





^{*} 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 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
- Completely contained belt reduces pinch points
- 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
- (2) SmartSlots™



- Pharmaceutical
- Medical
- · Personal Care
- Food Processing



- · 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 Belt	Curved	Z-Frame Flat & Cleated	Flat & Cleated Belt	Curved
End Drive	End Drive	End Drive	End Drive	End Drive
Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Yes	Yes	Yes	No	No
8" - 60"	8" - 36"	8" - 24"	6" - 36"	8" - 36"
(203 - 1,524 mm)	(203 - 914mm)	(203 - 1,219 mm)	(152 - 914 mm)	(203 - 914mm)
3' - 83.25'	3' - 83.25'	3' - 83.25'	3' - 83.25'	3' - 83.25'
(914 - 25,375 mm)	(914 - 25,375 mm)	(914 - 25,375 mm)	(914 - 25,375 mm)	(914 - 25,375 mm)
250 ft/min	250 ft/min	250 ft/min	250 ft/min	250 ft/min
(76 m/min)	(76 m/min)	(76 m/min)	(76 m/min)	(76 m/min)
1,000 lbs	500 lbs	1,000 lbs	500 lbs	500 lbs
(455 kg)	(227 kg)	(455 kg)	(227 kg)	(227 kg)
Straight	Curved	Straight	Straight	Curved
5.77"	5.77"	5.77"	5.77"	5.77"
(147 mm)	(147 mm)	(147 mm)	(147 mm)	(147 mm)
Standard Idler	Standard Idler	Standard Idler	Standard Idler	Standard Idler
4.3" (109 mm)	4.3" (109 mm)	4.3" (109 mm)	4.3" (109 mm)	4.3" (109 mm)

18-21 22-23

7350 Flat, Cleated & Z-Frame 7360 Flat, Cleated & Z-Frame 7200/7300 Flat & Cleated Belt 7350 Curved End & Center Drive **End Drive End Drive End Drive** Stainless Steel Stainless Steel Stainless Steel Stainless Steel No No No No 1.75" - 18" 4" - 36" 4" - 36" 4" - 52" (45 - 457 mm) (102 - 914 mm) (102 - 914 mm) (102 - 914 mm) 2' - 24' 3' - 83.25' 3' - 40' 3' - 83.25' (610 - 7,315 mm) (914 - 25.375 mm) (914 - 25.375 mm) (914 - 25,375 mm) 264 ft/min 260 ft/min 260 ft/min 300 ft/min (81 m/min) (78.6 m/min) (78.6 m/min) (91 m/min) 60 lbs 750 lbs 750 lbs 500 lbs (27 kg) (338 kg) (338 kg) (227 kg) Straight Straight Curved Straight 5.6" 1.48" 5.6" 5.6" (38 mm) (142 mm) (142 mm) (142 mm) 4.3" 4.3" 3.5" 1.25" (109 mm) (109 mm) (32 mm) (89 mm)



26-33

THE DORNUR ADVANTAGE



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)*	
ALUMINUM EXTRUSION FRAME		
V-Guided Belt	3	
Modular Plastic Belt	5	
STAINLESS STEEL FRAME		
V-Guided Belt	10	
Modular Plastic Belt	10	

^{*} 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.

DORNUR FIT 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.

Setting the Standard for Small Parts Handling





2200 iDrive

iDrive literally redefined the application footprint for small product conveyors. This ground breaking feature is ideal for a variety of applications where space is tight or additional room is needed around the conveyor.

Features & Benefits

- Compact Space Saving Design
- Sized for Small Part Handling
- Variable Speed and Reversible
- Indexing Capable
- Flying Leads for Remote Operation

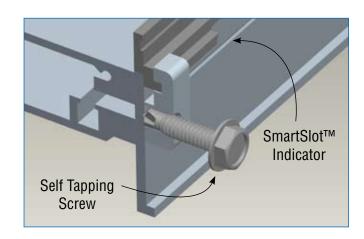
Specifications

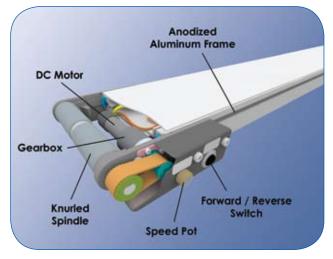
- Width: 2" (51 mm) to 18" (457 mm)
 Length: 18" (457 mm) to 8' (2,438 mm)
- Speeds: 4 Speed Ranges
 1.7 fpm min 70 fpm max
 (0.5 m/min 21 m/min)
- Capacity: up to 25 lbs (11.3 kg) max



2300 DustPruf™ iDrive

The DustPruf™ design takes iDrive into environments where particulates, dust, or product debris can collect. The DustPruf™ design provides all of the integration flexibility of a T-slot without the drawback of slots that collect dust and debris.







2200 & 2300 Series iDrive



The Next Level of iDrive Technology



3200 iDrive

This offering is truly the next level of iDrive with wider width and longer length conveyors available plus faster speeds and more carrying capacity. And with all of the iDrive benefits available, this is the next level of performance.



Features & Benefits

- Compact Space Saving Design
- Sized for Small Part Handling
- Variable Speed and Reversible
- Indexing Capable
- Flying Leads for Remote Operation

Specifications

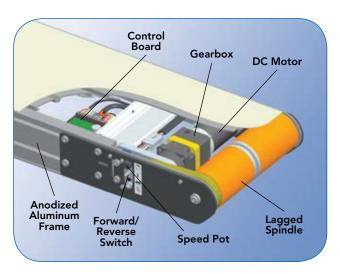
- Width: 6" (152 mm) to 24" (610 mm)
- Length: 3' (914 mm) to 12' (3,658 mm)
- Speeds: 3 Speed Ranges
 15 fpm min 171 fpm max
 (4.6 m/min 52.1 m/min)
- Capacity: up to 120 lbs (54.4 kg) max

Space Saving Design

Sized for Small Part Handling

Reduced Time Required for Conveyor Integration

iDrive merges advanced drive and control technologies with the compact design of the 2200, 2300, and 3200 Series by integrating the motor, gearbox and motor controller into a single space saving package. Capable widths as narrow as 2" and lengths as long as 12' with speeds up to 171 ft/min. Plus, indexing capable up to 30 times a minute.







Low Profile Belt Conveyors Extruded Aluminum



















2200 & 2300 SERIES: OVERVIEW



Improving Small Part Handling

- V-Guide belt tracking
- 1.25" diameter pulleys
- 8mm Nose bar transfers
- Narrow Widths Starting at 2"
- Compact design for tight spaces
- T-slots for adding accessories
- 10 guiding options

Quick Bottom Line Results

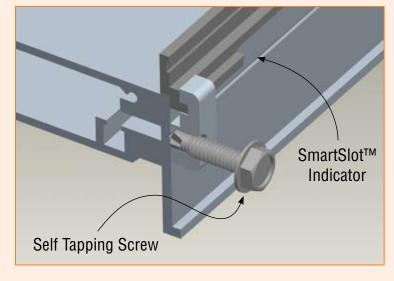
- 3 day shipping
- Ready to run options

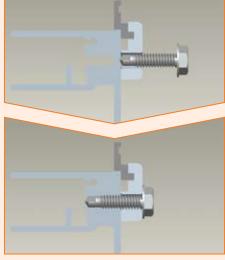


2300 DustPruf™ Conveyors

Ideal for environments where particulates, dust, or product debris can collect. Conveyors offer all the integration flexibility of a T-Slot without the drawback of slots that collect dust. and product debris.

DustPruf™ Self Drilling Screw - One Step Fastening







2200 & MPB SERIES

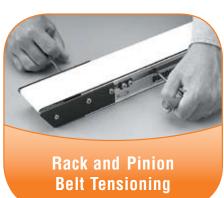




- Flat Belt End Drive, Cleated Belt End Drive and Center Drive models
- Modular Plastic Belt End Drive, Cleated Belt End Drive, and Sidewall Cleated Belt End Drive models
- Gravity Roller models
- Loads up to 120 lbs (54 kg)
- Belt speeds up to 400 ft/min (122 m/min)
- Belt Widths: 1.75" (45 mm) to 24' (610 mm)
- Conveyor Lengths: 2' (610 mm) to 30' (7,315 mm)
- 1.25" (32 mm) diameter head and tail pulleys
- **C€** models available

- 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





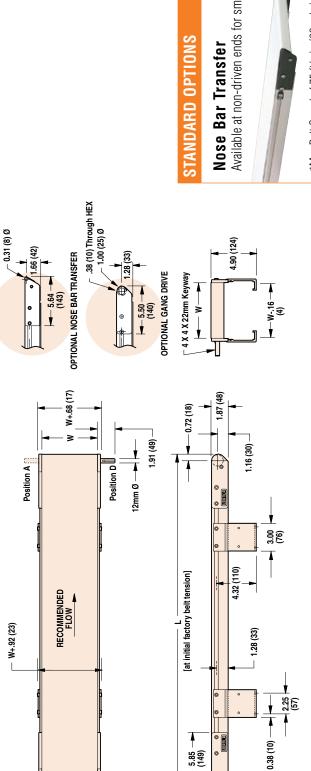














Dim = in (mm)

W = Conveyor Belt Width



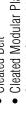


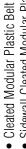
Flat Belt Center Drive

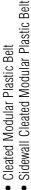




Cleated End Drive









Gravity Roller



STANDARD MODELS







Specifications:

- Flat Belt End Drive, Cleated Belt End Drive, Flat Belt Center Drive and iDrive models
- Loads up to 120 lbs (54 kg)
- Belt speeds up to 400 ft/min (122 m/min)
- Belt Widths: 1.75" (45 mm) to 24" (610 mm)
- Conveyor Lengths: 18" (457 mm) to 24' (7,315 mm)
- 1.25" (32 mm) diameter drive and idler pulleys turn approximately 4.2" (107 mm) of belt per revolution
- 12 mm diameter integral drive shaft
- **C€** models available

Features & Benefits:

- SmartSlot™ mounting system for attachments without drawback of T-slot that collect dust
- Quick five-minute belt change
- Rack and pinion belt tensioning for fast, accurate single-point belt tensioning
- FDA approved low friction coating on bedplate**
- V-groove bed plate with guided belt provides positive belt tracking, even under demanding side load applications
- Non V-guided belts use our patented belt tracking cams, offering you the widest belt selection possible
- Strong, box-like construction resists damaging frame twist
- 50% more belt take-up extends conveyor belt life
- Belt take-up indicators for "at a glance" readings of remaining belt life
- Motion sensor switch ready
- Sealed ball bearings





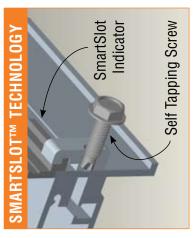


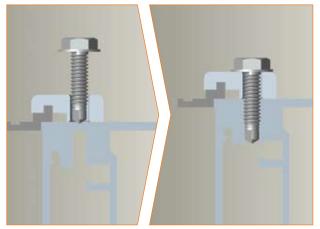


** V-grooved aluminum bedplate available on 2" - 12" lengths only. V-grooved stainless steel bedplate available on 18" - 24" lengths.











iDrive

Flat Belt Center Drive

Cleated Belt End Drive

Flat Belt End Drive

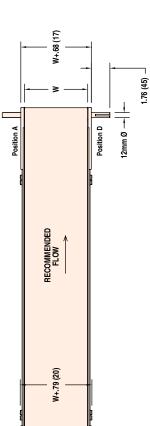
STANDARD MODELS

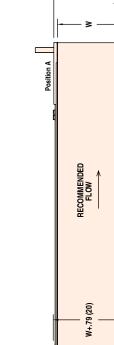
1.17 (30) 0.72 (18) ---

1.87 (48) 4x4x22mm Keyway

Dim = in (mm)

W = Conveyor Belt Width





0.40 (10)

1.67 (42)

OPTIONAL NOSE BARTRANSFER 5.64 (143)



DUSTPRUF" 2300 SERIES





7.35 (187) 5.85 (149)

L (at initial factory belt tension)

Heavy Duty Belt Conveyors Extruded Aluminum







- V-Guided belt tracking
- 1" Nose bar transfers
- Speeds up to 600 fpm
- Wide Widths up to 48"
- Lengths up to 99'
- (2) T-slots for adding accessories
- 8 Guiding options

Quick Bottom Line Results

- 3 day shipping
- Ready to run options

















Z-Frame Configurations



Z-Frame Conveyors

With multiple configurations available, Z-frame conveyors can be used in almost all incline, decline, and bridging applications.







- Contain small parts with ease
- Sidewall cleats for bulk handling
- Reduce product loss with less transfers







Sidewall Cleated Z-Frame



Specifications:

- Flat Belt End Drive, Cleated Belt End Drive, and Center Drive and iDrive 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 600 ft/min (183 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
- **C€** models available

- 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















Nose Bar Tail Section • Widths up to 48" (1,219 mm)

- Available at non-driven ends for small part transfers

3.21



Sidewall Cleated Belts





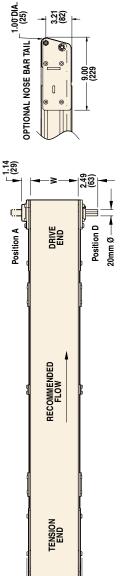




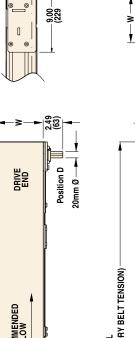


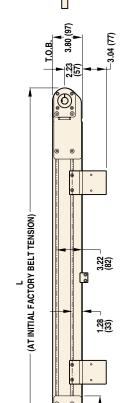




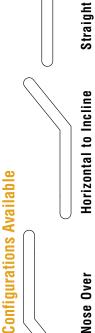


W + 1.33 (34)











Nose Over

Z-frame

STANDARD MODELS





iDrive



















-- 9.00 (229)

Designed to be as flexible as your manufacturing requirements.

Z-frame to a curve • 1 Drive • 1 Belt

Zero Transfers



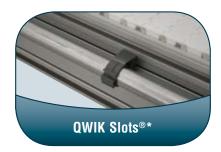


















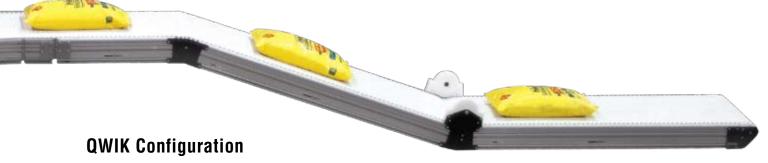


* 5200 Series only



Z-frame, Incline and Decline Options

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



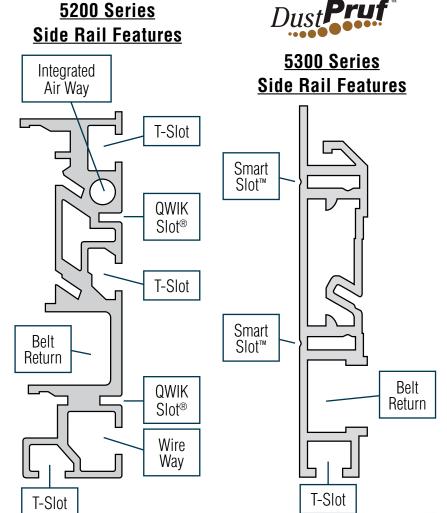
- Modularity enables simple configuration and reconfiguration
- Pre-engineered 15° curve segments make reconfiguration quick and easy
- Easy frame reconfiguration with no parts or drilling required

QWIK System Setup

- Automation-enabled for easy system set up and integration
- 5200 Series QWIK Slots[®] for easy mounting of controls and accessories
- 5200 Series wire way with snap-in cover for landing up to four wires
- 5300 Series patent pending SmartSlot™ system allows self-tapping screws to quickly attach automation accessories
- 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



19



QWIK 5200 SERIES





- 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)
- **C€** models available

- 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)

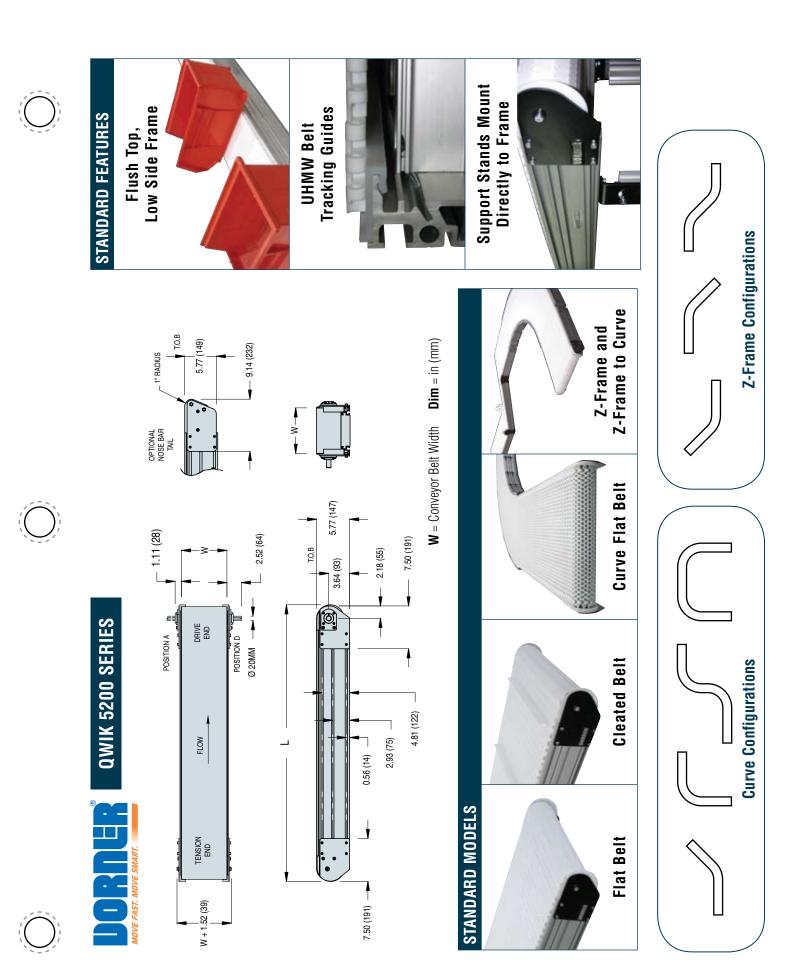












For more information, go to www.dorner.com. Call 800.397.8664 or 262.367.7600. Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.



Specifications:

- Straight Flat and Cleated Modular Plastic Belt models
- Curved Flat Modular Plastic Belt model
- Loads up to 500 lbs (227 kg)
- Belt speeds up to 250 ft/min (76 m/min)
- Belt Widths:

Curves: 8" (203 mm) to 36" (914 mm) Straights: 6" (152 mm) to 36" (914 mm)

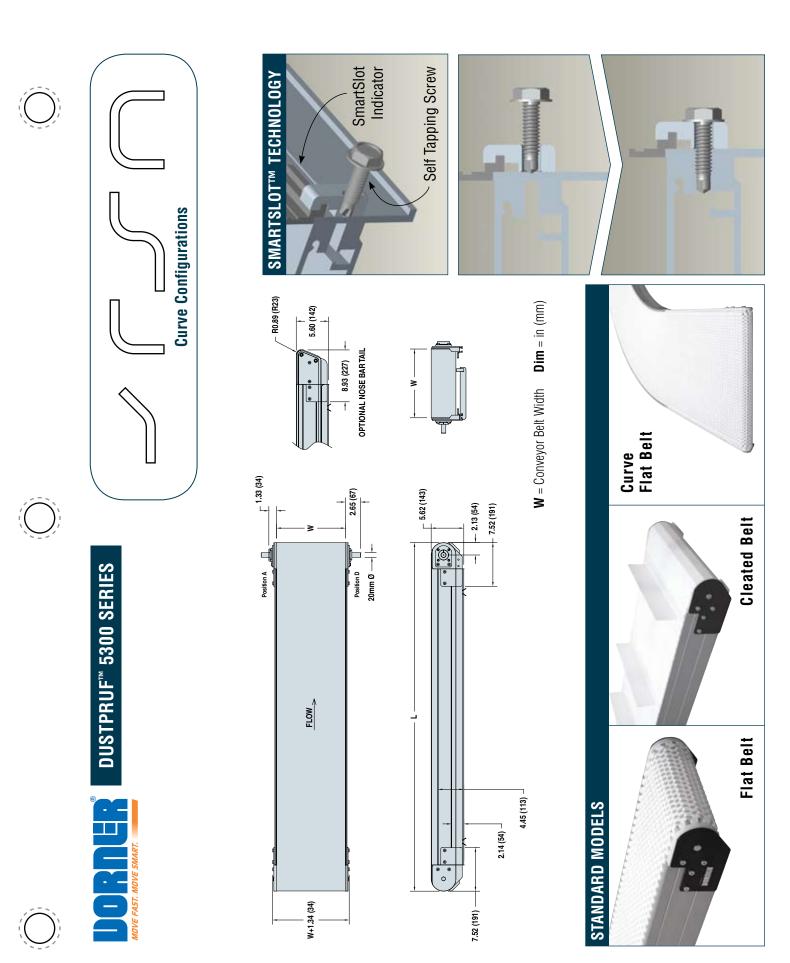
- Conveyor Lengths: 36" (914 mm) to 999" (25,375 mm)
- **C€** models available

- Two (2) SmartSlot™ mounting locations for ¼ 20 or M6 - 1.0 fasteners
- Completely contained belt eliminates catenary sag and reduces pinch points
- High speed 1" diameter* nose bar drive and idler tails
- Downward facing T-Slot for support stand mounting flexibility and dust proof design
- Flush top for true low side conveying accommodates products wider than the belt
- Open top frame simplifies belt maintenance and replacement
- Sprocket alignment key provides continuous sprocket alignment for quick belt assembly
- Support stands mount directly to bottom of conveyor rail keeping side rails open for mounting accessories









For more information, go to 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
- Loads up to 120lbs (54kg)
- Belt speeds up to 255 ft/min (78 m/min)
- Belt Widths: 1.75" (45 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
- **C€** models available

- 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









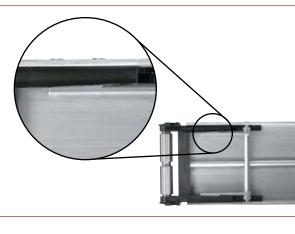


SPECIAL FEATURES

Wedge-Lok™ Protection



 $\mathbf{W} = \text{Conveyor Belt Width}$ $\mathbf{Dim} = \text{in (mm)}$

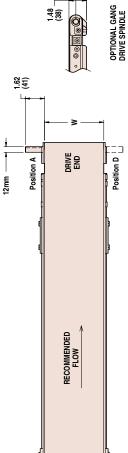






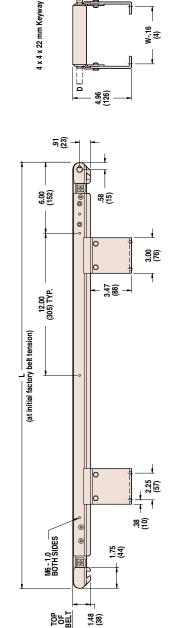
.91 (23)

(38)



TENSION END

W+.56 (14)





Flat Belt Center Drive





STANDARD MODELS



6200 SERIES



Aquo Gard 7200 & 7300 SERIES

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" (45 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
- **C€** models available

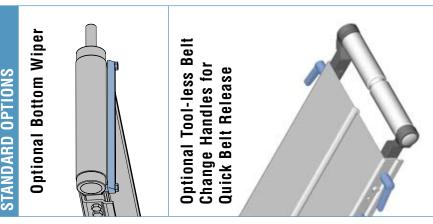
- Quick five-minute belt change for increased uptime
- Rack and pinion for fast single point belt tensioning
- 304 stainless steel frame, head and tail plates are polished to a #4 finish
- V-Groove frame with guided belt ensures accurate tracking
- Wedge-Lok[™] system for impact protection
- Streamlined 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



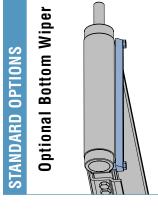


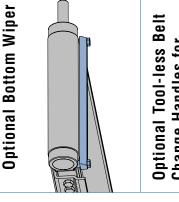






STANDARD OPTIONS





6.04 (153)

(at initial factory belt tension)
12.00

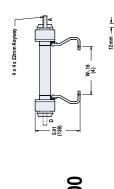
L+1.00 (25)

3.00

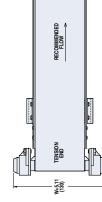
225 %(£)

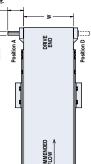
4.6° -

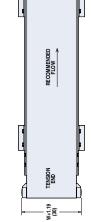


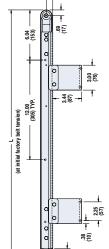


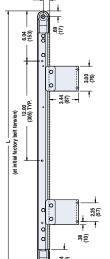


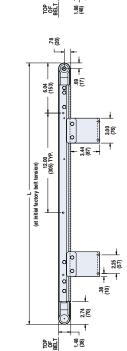


















4 x 4 x 22mm Keywa

AQUAGARD® 7200 & 7300 SERIES



Aqua Gard 7350 & 7360 SERIES: OVERVIEW

AquaGard® 7350 & 7360 Series Conveyors



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



Ease of Automation & Guiding













28

Aqua Gard 7350 & 7360 SERIES: OVERVIEW



Maximum Flexibility

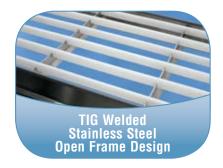
- Straights, Curve and Z-frame Modules
- 3 Product Transfers to Choose From
- No Drilling Required for Ease of Automation or Guiding
 - Attach controls, photo eyes, low voltage wire, & air tubing
 - Attach accessory bar for mounting several automation components
 - Attach any of standard guide packages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



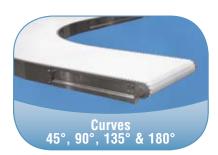
- Speeds up to 300 feet per minute
- Available in Straights, Curves and Z-frames
- 1" Nose Bar Tails
- Powered Transfer

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







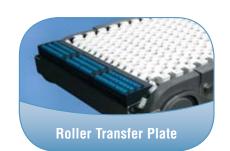














Aqua Gard 7350 SERIES

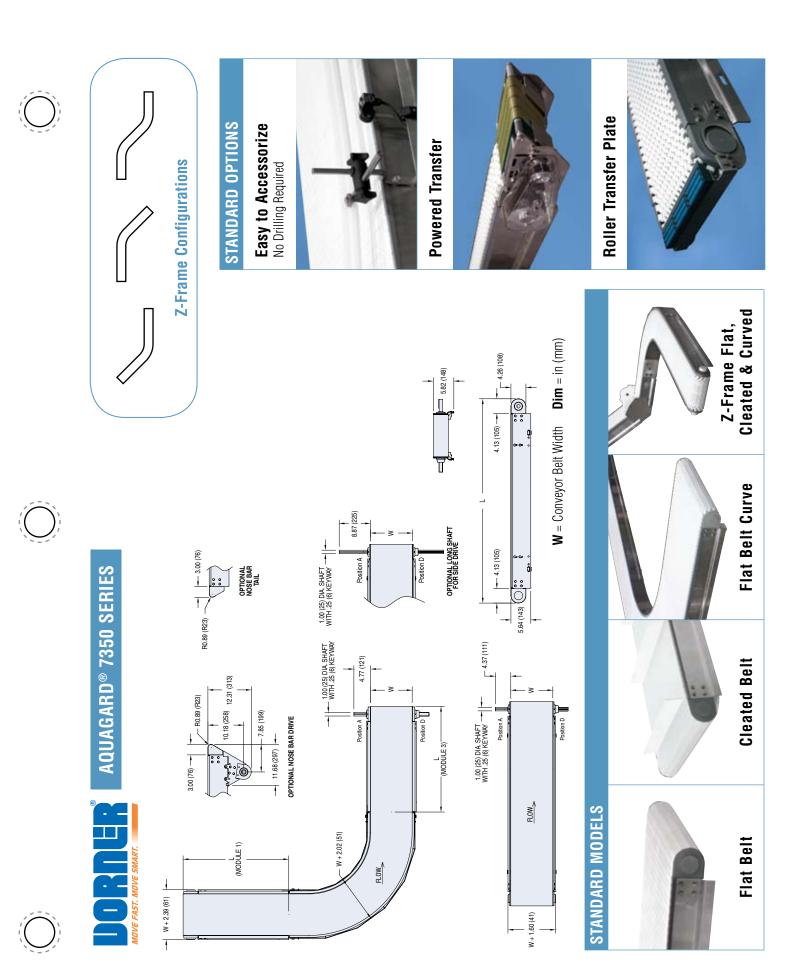


- Straight Flat and Cleated Modular Plastic Belt models
- Curved Flat Plastic Modular Belt models
- Z-frame Flat and Cleated Modular Plastic Belt models
- Loads up to 20 lbs/per square foot of belt (90 kg/m²)
- Belt speeds up to 260 ft/min (78.6 m/min)
- Belt Widths: 4" (102 mm) to 36" (914 mm)
- Conveyor Lengths: 36" (914 mm) to 83' (25,298 mm)
- All Welded Stainless Steel Frame
- **C€** models available



- 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





For more information, go to 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.

Aqua Gard 7360 SERIES

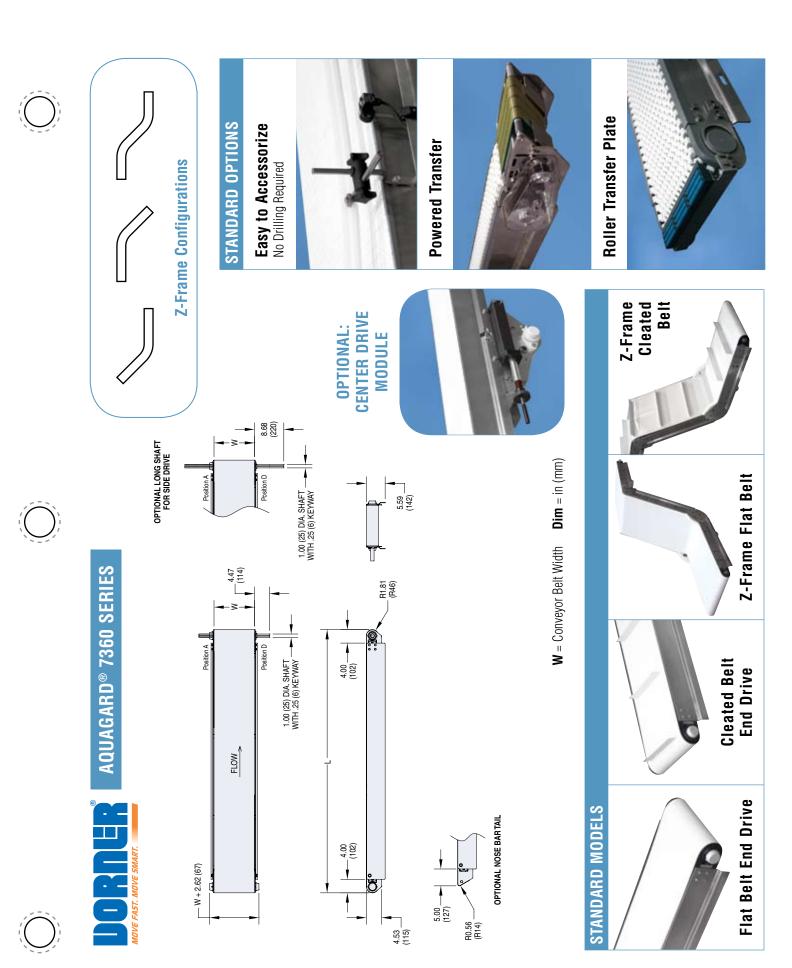


- Z-Frame Flat and Cleated Belt models
- Loads up to 500 lbs (453 kg)
- Belt speeds up to 300 ft/min maximum (91 m/min)
- Belt Widths: 4" (102 mm) to 52" (1,321 mm)
- Conveyor Lengths: 36" (914 mm) to 40' (12,192 mm)
- All Welded Stainless Steel Frame
- **C€** models available

- 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







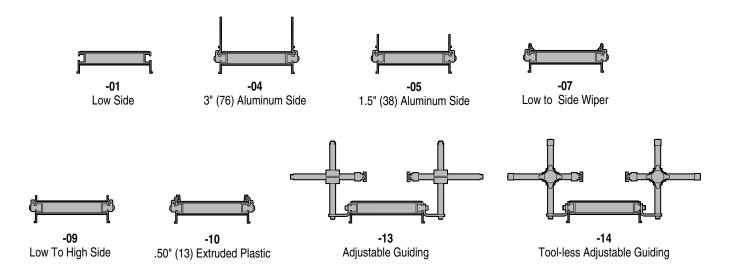
For more information, go to www.dorner.com. Call 800.397.8664 or 262.367.7600. Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.

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 at www.dornercad.com)



(2200/2300 profiles shown as examples)





STANDARD BELTING



Accumulation Belts



- FDA approved
- Packaging, clean room and inspection applications
- Chemical resistant



- · Urethane impregnated
- Lowest coefficient of friction
- For low back-pressure applications

General Purpose Belt



- Most versatile belt offering chemical & cut resistance
- Combines general friction & accumulation characteristics



- For iDrive models only
- Urethane impregnated
- FDA approved
- Chemical resistant
- Lower No Load Torque

High Friction Belts



- FDA approved
- Packaging, clean room and inspection applications
- Chemical resistant



- Highest coefficient of friction
- Conveys clean & dry products up to 35° inclines / declines
- Maintains product location in horizontal applications

Electrically Conductive Belt

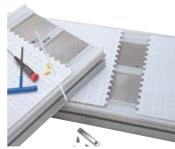


- Urethane impregnated
- For electronic and circuit board handling
- Popular choice for ink jet applications

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

Material Handling Belts



ACCUMULATION BELT

- Low coefficient of friction
- Low cost alternative
- General purpose applications
- 3200/Z-Frame Compatible only

HIGH FRICTION BELT

- High coefficient of friction
- Low cost alternative
- General purpose applications
- 3200/Z-Frame Compatible only

Nose Bar Transfer Belts



ACCUMULATION BELT

- Low coefficient of friction
- FDA approved
- Packaging, clean room and inspection applications
- · Chemical resistant

Also see Translucent Belt 53 below

HIGH FRICTION BELT

- High coefficient of friction
- Low cost alternative
- Packaging, clean room and inspection applications
- · Chemical resistant

Heat Resistant Belts



- 358° F (180° C) maximum product temperature
- Works on low profile conveyors



- 600° F (316° C) maximum product temperature
- 0.18" (5mm) square mesh
- UV curing applications
- Increased airflow around product

Translucent Belt



- Back-lit applications
- Can be used with 2200 Series Nose Bar Transfer Tail

Also see Nose Bar Transfer Belt 53 above

FDA Sealed Edge Belts



- FDA approved
- · Chemical resistant
- · Low coefficient of friction
- Sanitary applications



- FDA approved
- · Chemical resistant
- High coefficient of friction
- Sanitary applications

FDA Encased Belts



- FDA approved
- Enclosed in Urethane for added sanitary protection
- Low coefficient of friction



- FDA approved
- Enclosed in Urethane for added sanitary protection
- High coefficient of friction



SPECIALTY BELTING



Cut Resistant Belts



- Oily product release
- Metal stamping applications

57

- Felt-like surface textureDry metal stamping
- Glass & ceramic handling
- Very good chemical resistance

58

Cross-linked urethane surface

Electrically Cond. Belt



- Static conductive thru belt
- Low coefficient of friction
- Electronics & circuit board handling

Color Contrasting Belts



 Hides over spray from ink jet applications



- FDA approved
- Chemical resistant
- Low coefficient of friction
- Sanitary applications
- Can be sealed with white edge



- FDA approved
- Sanitary applications

High Friction Belts



- Rough top surface
- Product cushioning
- Incline / decline applications

Chemical Resistant Belts



- Very good cut resistance
- Excellent product release
- Low coefficient of friction
- FDA approved



- Good cut resistance
- Metal stamping applications

Cleated Low Friction Belt



- Excellent product release
- Compatible with standard cleat types
- To specify low friction belt, consult factory for part number

Solid Urethane Belt



- USDA approved
- FDA approved
- Wet applications



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.



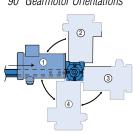
(The featured 3D models were created using Dorner's 3D CAD Library. The 3D CAD Library is available to you at www.dornercad.com)

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

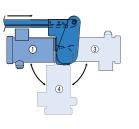


BOTTOM MOUNTS



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



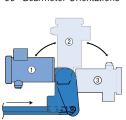


TOP MOUNTS



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

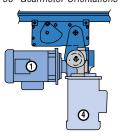


CENTER MOUNTS



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

90° Gearmotor Orientations



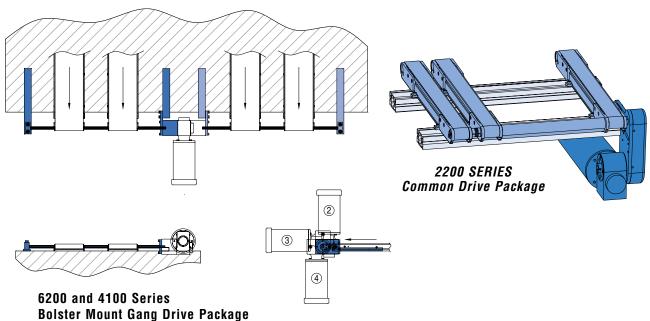


GEARMOTORS & MOUNTING PACKAGES



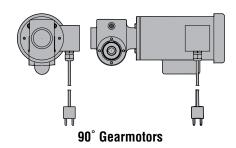
MULTIPLE CONVEYOR DRIVE PACKAGES

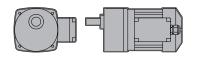
Used to drive multiple conveyors with one gearmotor



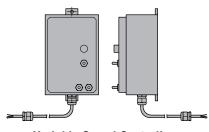


GEARMOTORS & CONTROLS





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
- (€



- Washdown White Epoxy
- Washdown Stainless Steel



DORNER CONTROLS

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





DORNER CONTROLS



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

INDUSTRIAL 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





Short

Stands

A-Frame



Tall Support Stands

Accessories

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



Fixed Height Stands





Stands

Adjustable Height Stands



Fully Adjustable Stands



Swivel Locking Casters



Quick Adjust Stands



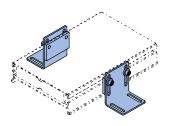
Multi-Tier Stands



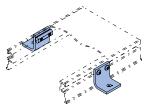
Single Post and **Pillar Stands**

CONVEYOR MOUNTING BRACKETS

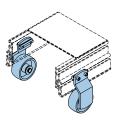
2200 and 3200 Series Adjustable **Height Brackets**



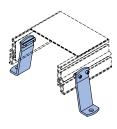
2200 and 3200 **Series Table Top Mounting Brackets**



Frame Mount Casters



Floor Mounts





Aqua **Gard**



SANITARY CONVEYOR SUPPORT STANDS & ACCESSORIES

Dorner offers the most complete line of conveyor support stands available.

Features & Benefits

- Widths: 4 in to 60 in (102 mm to 1,524 mm)
- Heights: 7 in to 99 in (178 mm to 2,515 mm)
- Complete stainless steel construction with a 2B or #4 finish
- Vertical legs are formed channel or a closed 2" square tube
- Has +/- 2" of adjustment
- Fixed Foot self aligns 10° for sloped floors
- Horizontal Mount Version for Direct Level Conveyor Mounting
- Incline Mount Version for angled conveyor applications
- Designed for Washdown Environments

Accessories

- Casters
- · Diagonal bracing
- Floor Anchor Kits
- Ceiling Supports



Low Height Support Stands



Tall Support Stands





Swivel Locking Casters



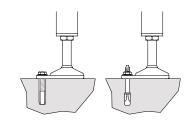
Adjustable Angle Support Stands



Formed Channel Support Stands



Closed 2" Square Tube Support Stands



Sanitary Floor Anchor Kits







ACCESSORIES

ADJUSTABLE LANE GUIDING

90° ADJUSTABLE TRANSFER

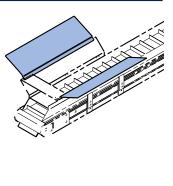




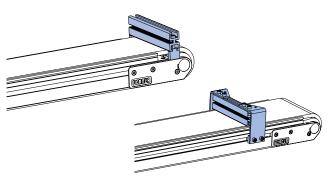
SIDE TABLES



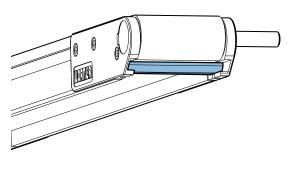




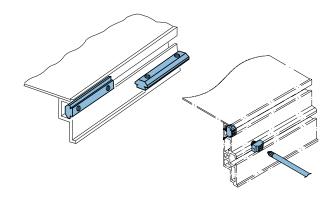
STOPS



BOTTOM WIPER



HARDWARE







MAGNETIC CONVEYORS

- Holds ferrous parts fast to the belt
- · Ideal for elevation changes or part holding
- Can be used in upside down applications



VACUUM CONVEYORS



- Holds flat parts of any material fast to the belt
- · Ideal for elevation changes or part holding
- Can be used in upside down applications



BACKLIT CONVEYORS

- Provides enhanced contrast between product and conveyor belt for visual inspection and vision system interface
- Parts can be stopped directly over the lit section or continue through uninterrupted
- Easier to see product details and edges



METAL FREE ZONES

Single conveyor can pass directly through inspection equipment

 Continuous conveyor eliminates need to transfer product into and out of inspection equipment





COMMON DRIVEN CONVEYORS

- Saves money on maintenance by using fewer drives
- Creates single lanes for handling parts
- · Conveyors can be of different widths and lengths
- Wide parts can be carried by each conveyor to create parts access from below



RECIRCULATING CONVEYORS



- Inspection area to return defective product to the originating process
- To change product flow direction after an assembly operation
- Increased line time for product curing or drying



LANE GUIDING

- Accumulate large quantity of product
- Divert product across lanes
- Merge multiple lanes to a single lane
- Support unstable product



SMALL BOTTLE TRANSFER



- Use two 2200 on edge to transfer product over conveyor gaps
- V-guiding controls tracking





90° TRANSFER OF PRODUCTS



- · No surface marring
- Minimizes friction
- Space savings

MULTIPLE BELT CONVEYORS

- Creates single lanes for handling parts
- Parts can traverse each belt to create part access from below



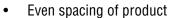


COUNTING PRODUCTS / BATCHING PRODUCTS



- Accelerate counting of products
- Separate equal batches of product for packaging or filling

INDEXING



- Assembly operations
- Inspection of product sides





SERVO DRIVES

- Accurately stops the conveyor to provide precise part location
- Provides controlled acceleration and deceleration
- Great for very accurate assembly operations



SHAFT ENCODERS



- Senses shaft rotation or counts pulley revolutions
- Counts revolutions for accurate control of the belt in feeding or indexing applications

LIFT GATES

- Counterweights create easy opening of the gate
- Interlock switches and a timer allow the conveyor to clear before the gate is opened preserving full product control
- Product flow can automatically resume after the gate is closed



PIVOT CONVEYORS

- Interlock switches and a timer allow the conveyor to clear before the gate is opened
- Product flow can automatically resume after the conveyor is returned to the in-line position







FIXTURED CONVEYORS



- Provides product specific nesting
- Ideal for accurate part location in inspection or assembly applications

MOVING HEAVY PRODUCT

- Increase 2200 load capacity from 80 lbs to 300 lbs (36-135 Kg)
- Provides heavy load capacity in a low-profile package



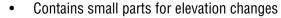


FLUSH MOTOR MOUNTING PACKAGES



 Products wider than the conveyor frame can be moved

SPECIAL CLEATED CONVEYORS



- Creates pockets for controlled separation of product
- Available in urethane belt and plastic chain styles
- Fixed guides or integral sidewalls are available





COLOR CONTRASTING BELTS



- Enhanced contrast with product
- Easier product recognition

ELECTRICALLY CONDUCTIVE BELTS

- Protect product from electrical damage
- Safe environment
- Protect equipment and machinery





HIGH FRICTION BELTS



- Holding parts with flat surface on an incline or decline conveyor
- Holding slippery parts in position

LOW FRICTION BELTS FOR ACCUMULATION

- Product accumulation to maintain product flow to the next process
- No product marking or damage





PRODUCT OFFERING



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



2200/2300 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

Dust **Pruf**

- Accumulation
- High temperatures
- Sharp parts
- Aesthetics
- iDrive @



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
- iDrive @



5200/5300 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

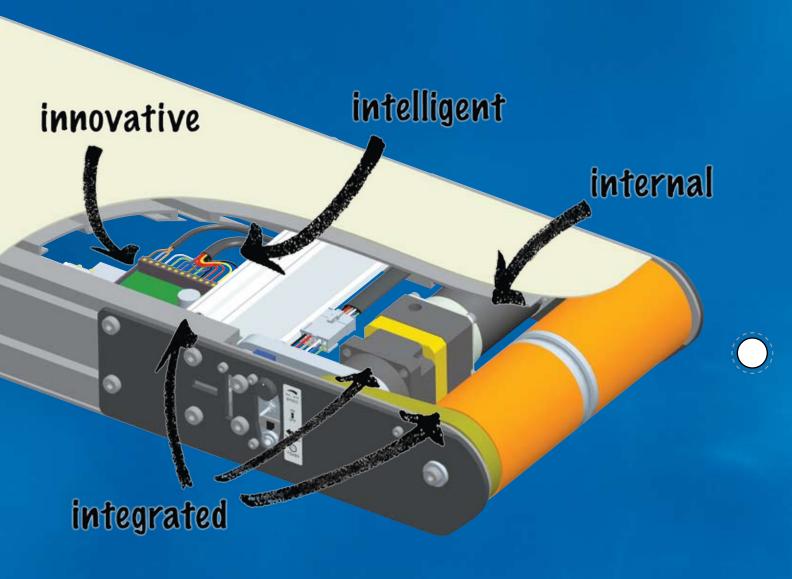


AQUAPRUF® FAMILY OF SANITARY CONVEYORS

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





www.dorner.com •

info@dorner.com

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

Dorner Mfg. Corp. reserves the right to change or discontinue products and specifications with or without notice.

All products and services are covered in accordance with our standard warranty.

© Dorner Mfg. Corp. 2010. All Rights Reserved. 851-058 Rev. M Printed in the U.S.A. 7M-RYL-1210