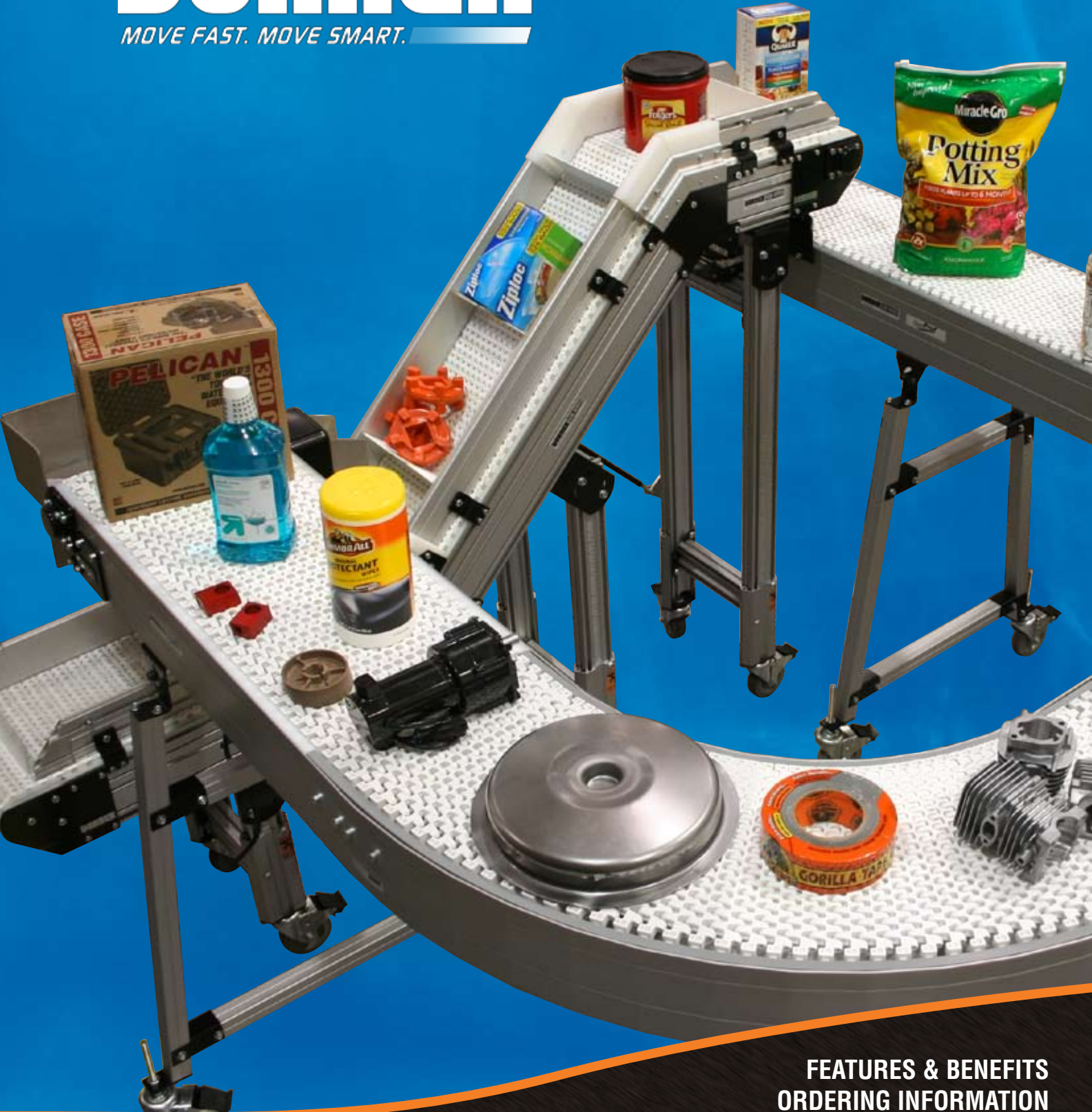


FULL SPECIFICATIONS

DORNER[®]

MOVE FAST. MOVE SMART.



**FEATURES & BENEFITS
ORDERING INFORMATION**

WHAT'S NEW

GOT DUST?

DustPruf™ is the Answer.

DustPruf™ conveyors are ideal for environments where particulates, dust, or product debris can collect. Applications in bakery, confectionery, pet food, clean room, pharmaceutical, medical devices, and personal care products will benefit. Plus, all packaging areas where corrugate dust is present.

2300 Series - Small Part Handling

The 2300 Series is designed from the industry leading low profile small part handling conveyor platform. Plus, it operates more efficiently thanks to an FDA-approved, low-friction coating on the bedplate. Reducing the friction between the bedplate and conveyor belt enables the motor to run 20% more efficiently — which lowers energy consumption. And its Green with 100% recyclable aluminum frame.

2300 Series DustPruf™
see pages 26-33



5300 Series - Flexible Modular Design

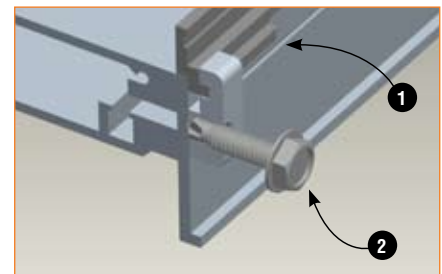
The 5300 Series is designed to be as flexible as your manufacturing needs. The conveyors modularity enables simple configuration and reconfiguration meeting the needs of today and tomorrow. The Series includes straights, curves, and inclines which create combinations that reduce the number of product transfers and motors required.



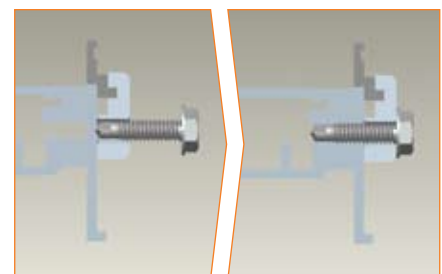
5300 Series DustPruf™
see pages 150-155

SmartSlot™ Technology

The patent pending SmartSlot™ system allows self-tapping screws and a cordless drill to quickly attach any automation accessory, guiding or other components required. A small indentation on the conveyor's frame directs you to the best location to install these additional components.



1 = SmartSlot Indicator 2 = Self Tapping Screw



Threads Formed in SmartSlot™

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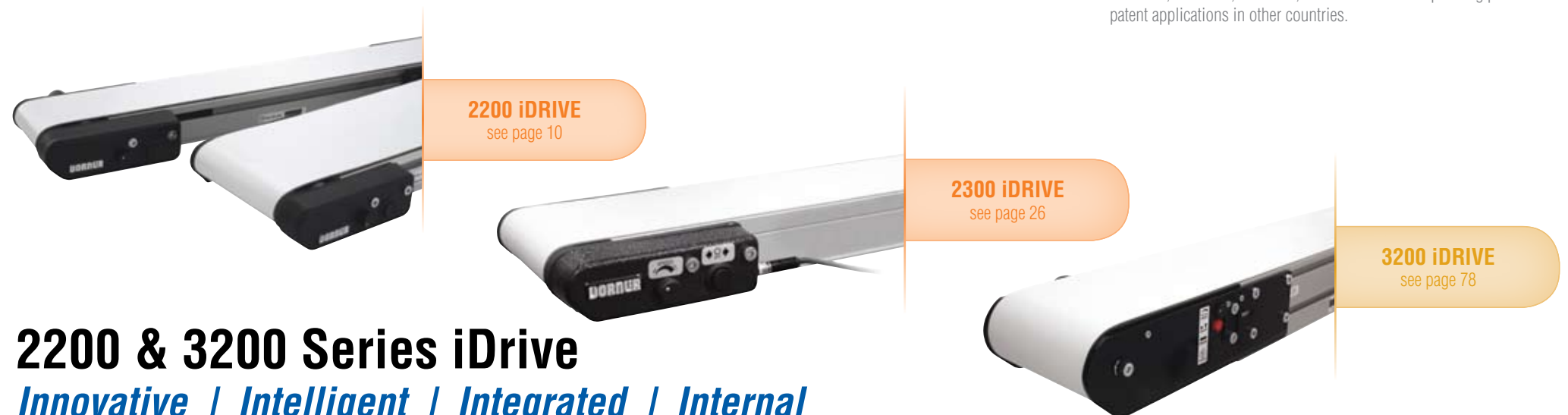
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Made and covered under Patent No. 5156260, 5156261, 5174435, 5203447, 5265714, 5875883, 6109427, 6298981, 6422382, 6685009, 6871737, 6971509, 7207435, 7246697 and corresponding patents and patent applications in other countries.



2200 & 3200 Series iDrive
Innovative / Intelligent / Integrated / Internal

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 / DustPruf 2300
[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**

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

QWIK 5200 **DustPruf 5300**
[HEAVY DUTY, LONGER, FASTER, CURVES] [FLEXIBLE MODULAR DESIGN]

Straights **Z-Frame** **Curves** **Straights** **Curves**

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

- 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™

Belt Type	Flat Belt		Cleated Belt	MPB Flat & Cleated Belt *	
	iDrive	End Drive	Center Drive	End Drive	End Drive
Drive Locations	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Construction	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
T-slots for Mounting Accessories	2200: Yes 2300: No	2200: Yes 2300: No	2200: Yes 2300: No	2200: Yes 2300: No	Yes
Belt Widths	2" - 18" (51 - 457 mm)	1.75" - 24" (45 - 610 mm)	1.75" - 24" (45 - 610 mm)	1.75" - 24" (45 - 610 mm)	3" - 23.25" (76 - 591 mm)
Conveyor Lengths	1.5' - 8' (457 - 2,438 mm)	1.5' - 18' (457 - 3,660 mm)	2' - 24' (610 - 7,315 mm)	1.5' - 18' (457 - 5,486 mm)	2' - 30' (610 - 9,144 mm)
Max Belt Speed	70 ft/min (21 m/min)	400 ft/min (122 m/min)	400 ft/min (122 m/min)	400 ft/min (122 m/min)	250 ft/min (76 m/min)
Maximum Load	25 lbs (11.3 kg)	80 lbs (36 kg)	120 lbs (54 kg)	80 lbs (36 kg)	150 lbs (68 kg)
Frame Configuration	Straight	Straight	Straight	Straight	Straight
Frame Height	1.87" (48 mm)	1.87" (48 mm)	1.87" (48 mm)	1.87" (48 mm)	2.96" (75 mm)
Pulley Diameter	1.25" (32 mm)	1.25" (32 mm)	1.25" (32 mm)	1.25" (32 mm)	2.6" (66 mm)
Page	10 & 26	12 & 28	14 & 30	16 & 32	20, 22 & 24

* Formerly MPB Series

Belt Type	Flat Belt		Cleated Belt	Z-Frame Flat & Cleated	
	iDrive	End Drive	Center Drive	End Drive	End & Center Drive
Drive Locations	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Construction	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
T-slots for Mounting Accessories	Yes	Yes	Yes	Yes	Yes
Belt Widths	6" - 24" (152 - 610 mm)	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)
Conveyor Lengths	3' - 12' (914 - 3,658 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)
Max Belt Speed	171 ft/min (52 m/min)	600 ft/min (183 m/min)	600 ft/min (183 m/min)	600 ft/min (183 m/min)	600 ft/min (183 m/min)
Maximum Load	120 lbs (54 kg)	400 lbs (181 kg)	1,000 lbs (455 kg)	400 lbs (181 kg)	400 lbs (181 kg)
Frame Configuration	Straight	Straight	Straight	Straight	Straight
Frame Height	1.87" (48 mm)	3.80" (97 mm)	3.80" (97 mm)	3.80" (97 mm)	3.80" (97 mm)
Pulley Diameter	1.25" (32 mm)	3.0" (76 mm)	3.0" (76 mm)	3.0" (76 mm)	3.0" (76 mm)
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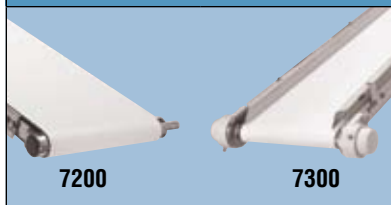
** Wider widths available, consult factory for details

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" (203 - 1,524 mm)	8" - 36" (203 - 914 mm)	8" - 24" (203 - 1,219 mm)	6" - 36" (152 - 914 mm)	8" - 36" (203 - 914 mm)
3' - 83.25' (914 - 25,375 mm)	3' - 83.25' (914 - 25,375 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)	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)	500 lbs (227 kg)	500 lbs (227 kg)
Straight	Curved	Straight	Straight	Curved
5.77" (147 mm)	5.77" (147 mm)	5.77" (147 mm)	5.77" (147 mm)	5.77" (147 mm)
Standard Idler 4.3" (109 mm)	Standard Idler 4.3" (109 mm)	Standard Idler 4.3" (109 mm)	Standard Idler 4.3" (109 mm)	Standard Idler 4.3" (109 mm)
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CONVEYOR COMPARISON / SELECTION CHART

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

AquoGard® 7200 & 7300 [CLEANABLE - SANITARY]



7200

7300

- 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

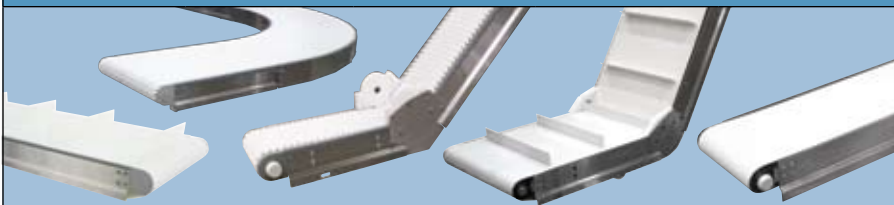
7200/7300 Flat Belt	7200/7300 Cleated Belt
End Drive	End Drive
Stainless Steel	Stainless Steel
No	No
1.75" - 18" (45 - 457 mm)	1.75" - 18" (45 - 457 mm)
2' - 18' (610 - 5,486 mm)	2' - 18' (610 - 5,486 mm)
264 ft/min (81 m/min)	264 ft/min (81 m/min)
60 lbs (27 kg)	60 lbs (27 kg)
Straight	Straight
1.48" (38 mm)	1.48" (38 mm)
1.25" (32 mm)	1.25" (32 mm)

230

232

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

AquoGard® 7350 & 7360 [CLEANABLE - SANITARY]



- TIG welded stainless steel frame
- Open frame design
- Available in belt or modular plastic
- Hard chrome coated bearings with FDA lubricant
- Nose bar tails available
- Power transfer available
- No drilling required for automation or guiding
- 10 guiding packages available
- Wipe down and liquid spray washdown with certain cleaning agents

7350 Flat & Cleated	7350 Curved Belt	7350 Z-Frame Flat & Cleated	7360 Flat & Cleated	7360 Z-Frame Flat & Cleated
End Drive	End Drive	End Drive	End & Center Drive	End & Center Drive
Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
No	No	No	No	No
4" - 36" (102 - 914 mm)	4" - 36" (102 - 914 mm)	4" - 24" (102 - 610 mm)	4" - 52" (102 - 1,321 mm)	4" - 24" (102 - 610 mm)
3' - 83.25' (914 - 25,375 mm)	3' - 83.25' (914 - 25,375 mm)	3' - 83.25' (914 - 25,375 mm)	3' - 40' (914 - 12,192 mm)	3' - 40' (914 - 12,192 mm)
260 ft/min (78.6 m/min)	260 ft/min (78.6 m/min)	260 ft/min (78.6 m/min)	300 ft/min (91 m/min)	300 ft/min (91 m/min)
750 lbs (338 kg)	750 lbs (338 kg)	750 lbs (338 kg)	500 lbs (227 kg)	500 lbs (227 kg)
Straight	Curved	Straight	Straight	Straight
5.6" (142 mm)	5.6" (142 mm)	5.6" (142 mm)	5.6" (142 mm)	5.6" (142 mm)
4.3" (109 mm)	4.3" (109 mm)	4.3" (109 mm)	3.5" (89 mm)	3.5" (89 mm)

256 & 258

260

262 - 267

300 - 305

306 & 308

THE DORNER[®] 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)*
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.

DORNER[®] 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 for optimal 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.

2200/2300 SERIES

LOW PROFILE BELT CONVEYORS
EXTRUDED ALUMINUM

DustPruf[™]
2300 Series



General Specifications:

- iDrive, Flat Belt End Drive, Cleated Belt End Drive and Center Drive models
- Gravity Roller models
- Modular Plastic Belt End Drive, Cleated Belt End Drive, and Sidewall Cleated Belt End Drive models
- DustPruf[™] Flat Belt End Drive, Cleated Belt End Drive and Center Drive models
- 1.25" (32 mm) diameter head and tail pulleys
- Widths: 2" (45 mm) to 24" (610 mm)
- Lengths: 1.5' (457 mm) to 30' (9,144 mm)
- Loads up to 120 lbs (54 kg)
- Optional Gang or Common Drive
- CE models available

Applications:

- Small Part Transfers
- Part Accumulation
- Precision Part Movement
- Small Part Handling and Positioning
- Part/Package Infeed and Outfeed
- Automated and Manual Assembly



2200 iDRIVE	10
FLAT BELT END DRIVE	12
FLAT BELT CENTER DRIVE	14
CLEATED BELT END DRIVE	16
GRAVITY ROLLER	18
MODULAR FLAT BELT	20
MODULAR CLEATED BELT	22
MODULAR SIDEWALL CLEATED BELT	24
<i>DustPruf</i> [™] 2300 iDRIVE	26
<i>DustPruf</i> [™] 2300 FLAT BELT END DRIVE	28
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2200 BELT SERIES: iDRIVE

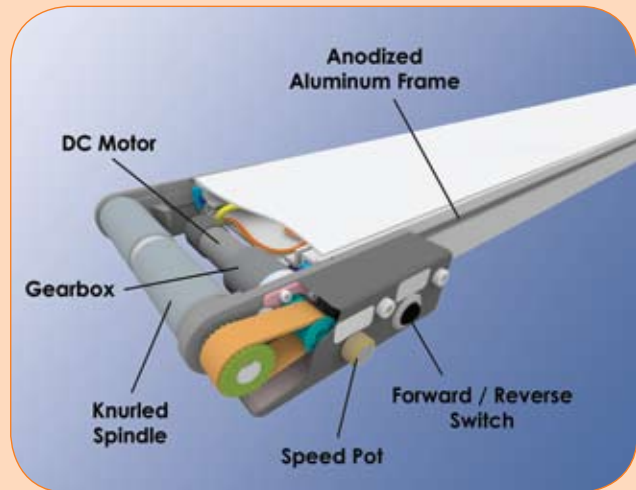


Specifications:

- Sealed ball bearings
- Belt Widths: 2" (51 mm) to 18" (457 mm)
- Conveyor Lengths: 18" (457 mm) to 8' (2,438 mm)
- Belt Speeds: Variable Speed, (4) Speed Options
 - 1.7 to 17 ft/min (0.5 to 5 m/min)
 - 3 to 24 ft/min (0.9 to 7 m/min)
 - 5 to 50 ft/min (1.5 to 15 m/min)
 - 7 to 70 ft/min (2 to 21 m/min)
- Conveyor Load Capacity (non-accumulated, distributed load):
 - 1.7 to 17 ft/min – Up to 25 lbs (11.3 kg)
 - 3 to 24 ft/min – Up to 25 lbs (11.3 kg)
 - 5 to 50 ft/min – Up to 25 lbs (11.3 kg)
 - 7 to 70 ft/min – Up to 12 lbs (5.4 kg)
- Indexing Capable – Up to 30 indexes per minute

Features & Benefits:

- Internally mounted gearmotor and control for space savings and tight work spaces
- Reduced integration time required to mount and wire the total conveyor package
- Ideal combination of conveyor and gearmotor sizing for small parts handling
- Variable Speed and reversible for maximum application flexibility
- Control switches conveniently located in high impact protective case
- 1.25" diameter drive roller for smooth product transfer
- V-guided belts for maintenance-free belt tracking (4" and wider only)
- Maintenance-free brushless DC motor



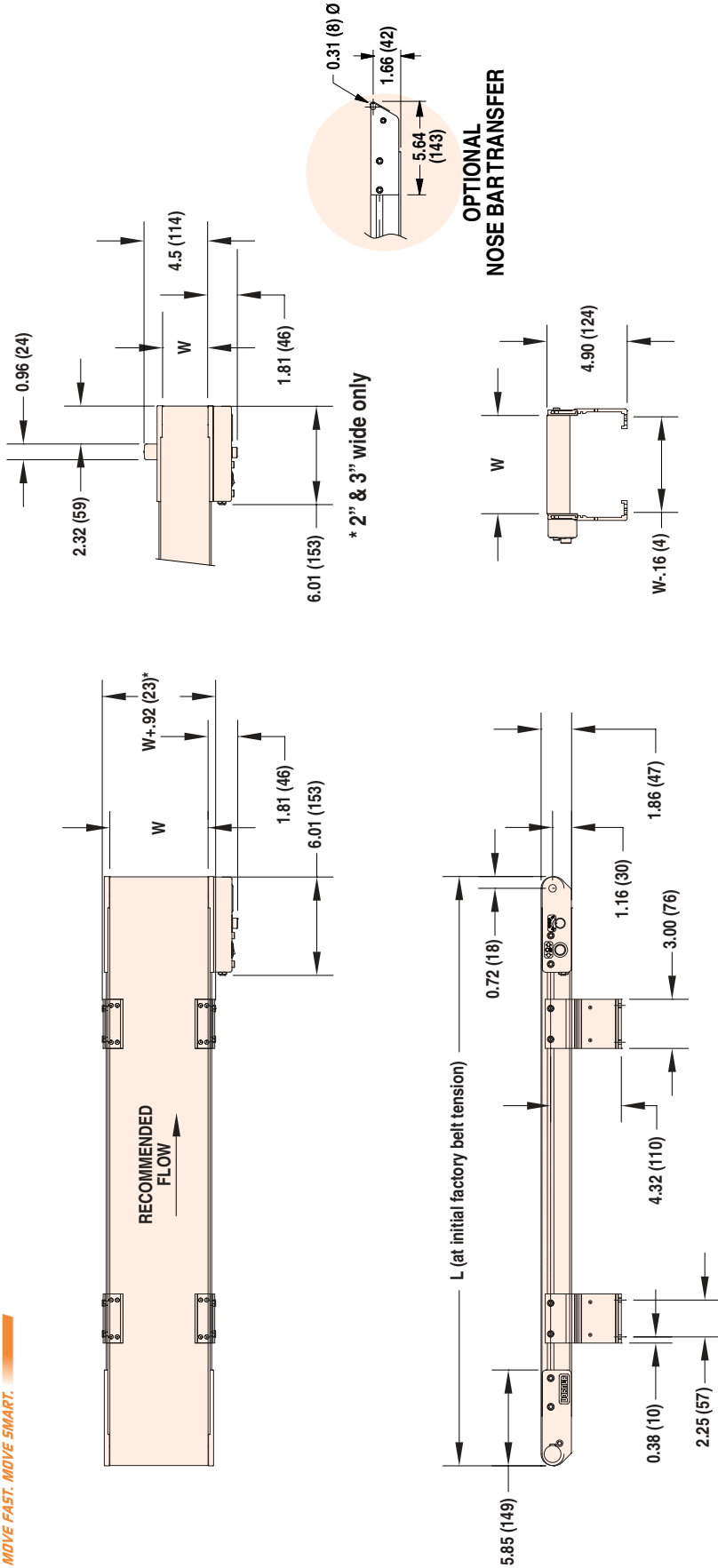
For ease of automation integration.



Available at non-driven end.
Speeds up to 75 ft/min (22 m/min).

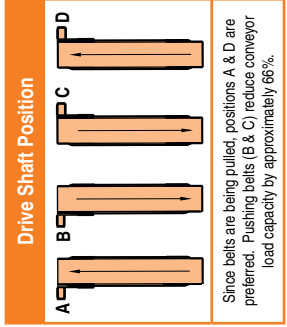
For support stands and accessories, see pages 59-69.

For ordering information, see page 70



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

STANDARD SIZES									
Conveyor Width Reference	02	03	04	05	06	08	10	12	18
Conveyor Belt Width (W)	1.75" (44mm)	2.75" (70mm)	3.75" (95mm)	5" (127mm)	6" (152mm)	8" (203mm)	10" (254mm)	12" (305mm)	18" (457mm)
Conveyor Length Reference	0150								
Conveyor Length (L)	1.5' (457mm)								
	0.12" (3mm) increments up to...								
	8' (2,438mm)								



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.

2200 BELT SERIES: FLAT BELT END DRIVE



Specifications:

- Loads up to 80 lbs* (36 kg)
- Belt speeds up to 400 ft/min (122 m/min)
- Belt widths: 1.75" (44 mm) to 24" (610 mm)
- Conveyor lengths: 18" (457 mm) to 18' (5,486 mm)
- 1.25" (32 mm) diameter drive and idler pulleys turn approximately 4.2" (107 mm) of belt per revolution
- V-grooved stainless steel bedplate
- 12mm diameter integral drive shaft
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.



OPTIONAL:
Dual or Idler End
Output Shafts

Features & Benefits:

- Quick five-minute belt change
- Rack and pinion belt tensioning for fast, accurate single-point belt tensioning
- Aluminum die cast head plates eliminate painted surfaces
- 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
- T-slots make mounting accessories simple with no drilling or special tools
- Stand mounting brackets are easily re-positioned along the T-slot
- Motion sensor switch ready
- Sealed ball bearings



OPTIONAL:
1" Gang Drive Pulleys

Allows you to drive multiple conveyors with one gearmotor. Turns approximately 3.4" (86 mm) of belt per revolution.



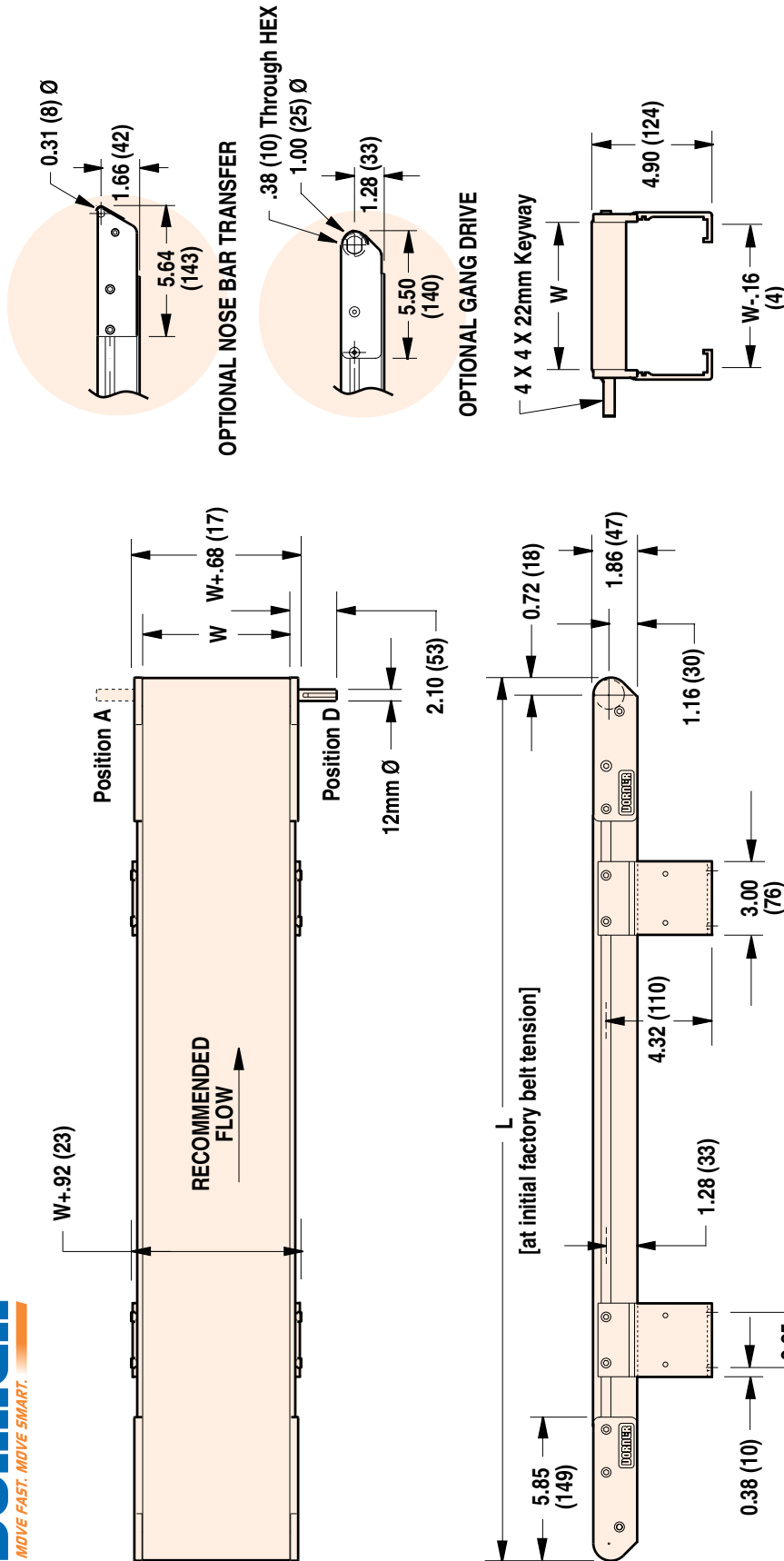
OPTIONAL:
8 mm Nose Bar Transfer

Available at non-driven end.
Speeds up to 75 ft/min (22 m/min).

*Order gearmotor mounting packages and gearmotors separately, see pages 39-56.
For support stands and accessories, see pages 59-69.*

For ordering information, see page 70

2200 BELT SERIES: FLAT BELT END DRIVE



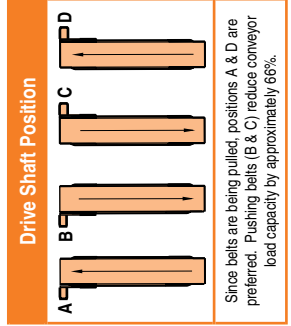
W = Conveyor Belt Width Dim = in (mm)

STANDARD SIZES											
Conveyor Width Reference	02	03	04	05	06	08	10	12	18	21	24
Conveyor Belt Width (W)	1.75" (44mm)	2.75" (70mm)	3.75" (95mm)	5" (127mm)	6" (152mm)	8" (203mm)	10" (254mm)	12" (305mm)	18" (457mm)	21" (533mm)	24" (610mm)
Conveyor Length Reference	0150 increments up to...										
Conveyor Length (L)	1.5' (457mm) increments up to...										

NOTE: Lengths 13' to 18' available in widths 6" to 24" only.

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations.

Gang Drive Conveyors: Non-V-guided belts up to 24" (610 mm) wide, V-Guided belts up to 18" (457 mm) wide.



2200 BELT SERIES: FLAT BELT CENTER DRIVE



Specifications:

- Loads up to 120 lbs* (54 kg)
- Belt speeds up to 400 ft/min (122 m/min)
- Belt widths: 1.75" (44 mm) to 24" (610 mm)
- Conveyor lengths: 24" (610 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
- V-grooved stainless steel bedplate
- 12 mm diameter integral drive shaft
- **CE** models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Center Drive module frees up both ends of conveyor for operator and machine interface
- Center Drive module can be easily repositioned along the length of the conveyor
- Maintenance-free gas-spring belt tensioner maintains uniform belt tension
- Aluminum die-cast head plates eliminate painted end surfaces
- V-groove bedplate 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
- 2" (51 mm) of belt take up extends conveyor belt life
- T-slots make mounting accessories simple with no drilling or special tools
- Stand mounting brackets are easily re-positioned along the T-slot
- Motion sensor switch ready
- Sealed ball bearings



OPTIONAL:
8mm Nose Bar Transfer

Available at either end.
Belt Speed up to 75 ft/min (22 m/min).

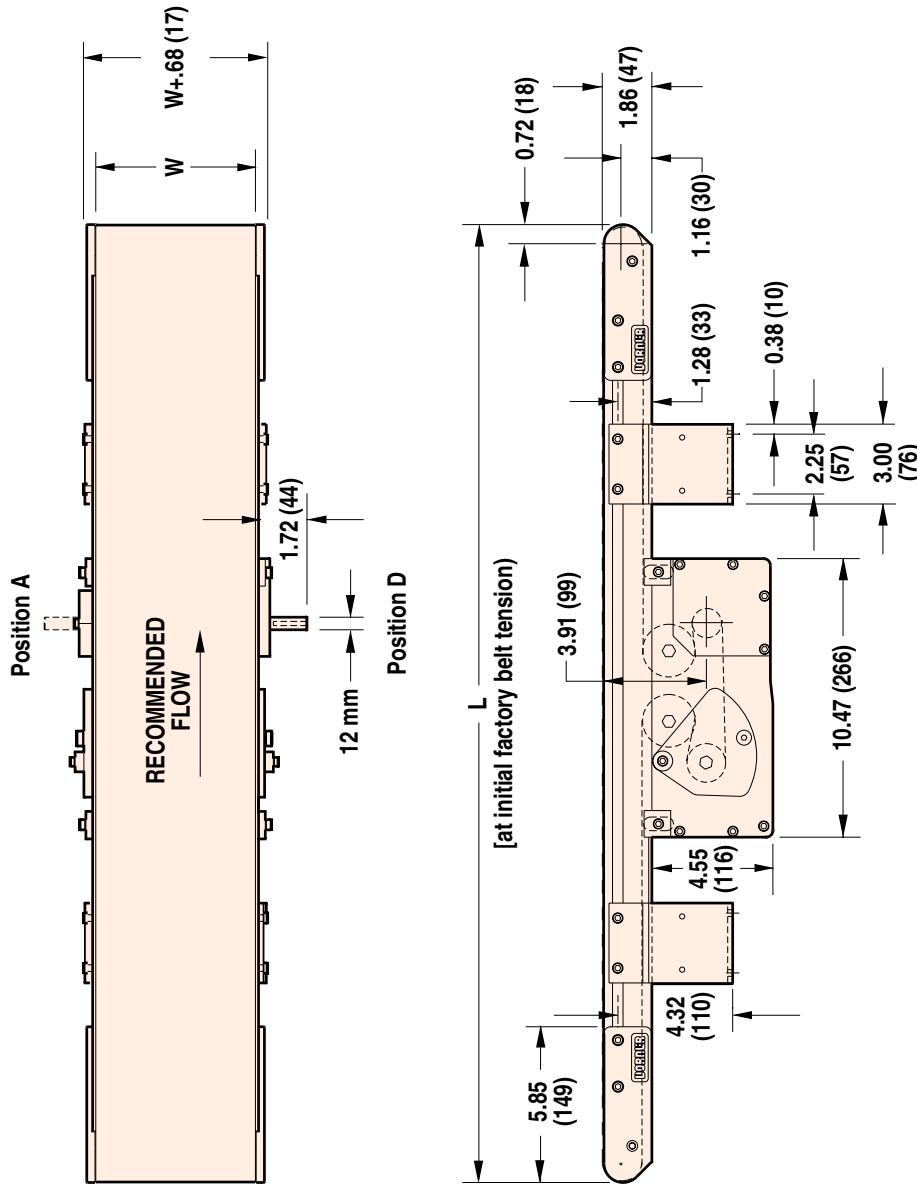


OPTIONAL:
Dual or Idler End
Output Shafts

*Order gearmotor mounting packages and gearmotors separately, see pages 39-56.
For support stands and accessories, see pages 59-69.*

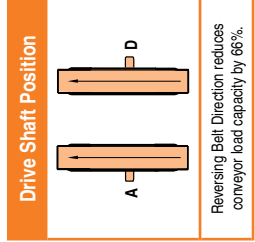
For ordering information, see page 71

2200 BELT SERIES: FLAT BELT CENTER DRIVE



W = Conveyor Belt Width Dim = in (mm)

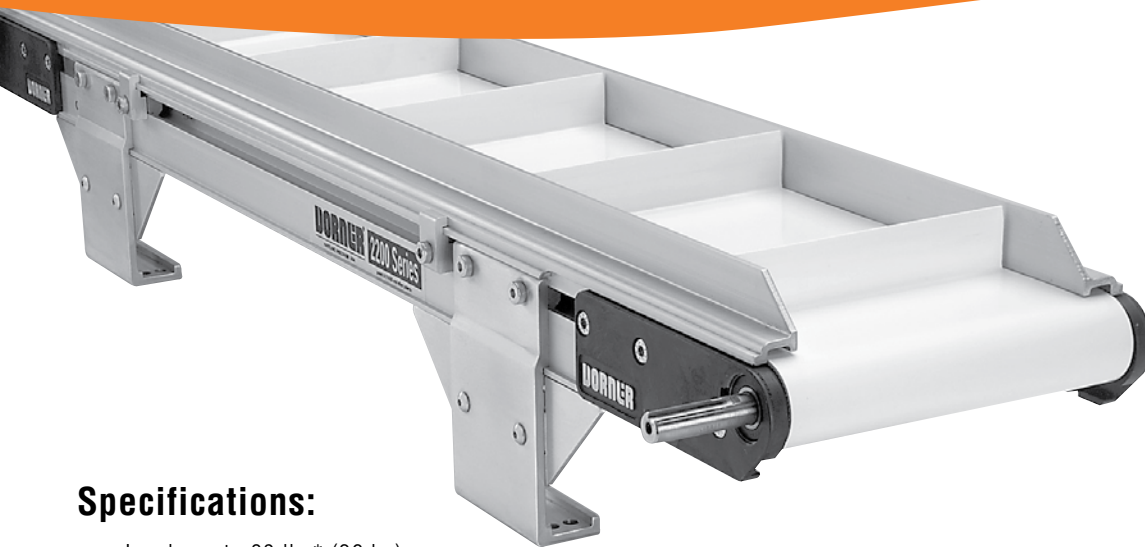
STANDARD SIZES											
Conveyor Width Reference	02	03	04	05	06	08	10	12	18	21	24
Conveyor Belt Width (W)	1.75" (44mm)	2.75" (70mm)	3.75" (95mm)	5" (127mm)	6" (152mm)	8" (203mm)	10" (254mm)	12" (305mm)	18" (457mm)	21" (533mm)	24" (610mm)
Conveyor Length Reference	0200										
Conveyor Length (L)	2' (610mm)										
	0.12" (3mm) increments up to...										
	24' (7,315mm)										



NOTE: Lengths 13' to 18' available in widths 6" to 24" only.
NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations.
Gang Drive Conveyors: Non-V-guided belts up to 24" (610 mm) wide, V-Guided belts up to 18" (457 mm) wide.

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.

2200 BELT SERIES: CLEATED BELT END DRIVE



Specifications:

- Loads up to 80 lbs* (36 kg)
- Belt speeds up to 400 ft/min (122 m/min)
- Belt widths: 1.75" (44 mm) to 24" (610 mm)
- Conveyor lengths: 18" (457 mm) to 18' (5,486 mm)
- Cleats available from 0.24" (6 mm) to 2.36" (60 mm) high
- 1.25" (32 mm) diameter drive and idler pulleys turn approximately 4.2" (107 mm) of belt per revolution
- V-grooved stainless steel bedplate
- 12 mm diameter integral drive shaft
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Note: Standard idler pulley houses a small magnet which may be omitted upon request for magnetically sensitive products and applications.

Features & Benefits:

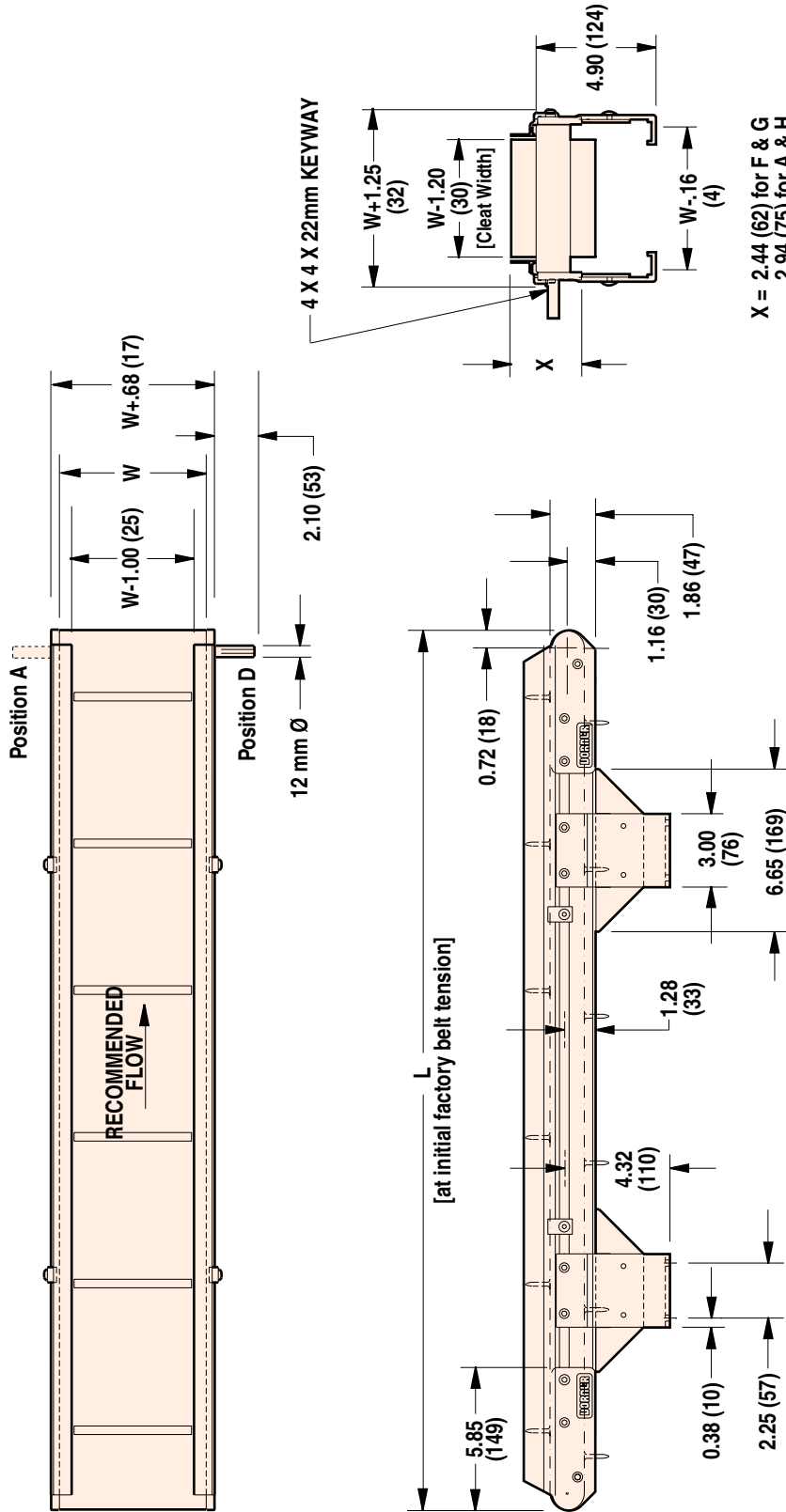
- Quick five-minute belt change
- Rack and pinion belt tensioning for fast, accurate single point belt tensioning
- Aluminum die cast head plates eliminate painted surfaces
- V-groove bedplate with guided belt provides positive belt tracking, even under demanding side load applications
- Non V-guided 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
- T-slots make mounting accessories simple with no drilling or special tools
- Stand mounting brackets are easily re-positioned along the T-slot
- Motion sensor ready
- Sealed ball bearings



*Order gearmotor mounting packages and gearmotors separately, see pages 39-56.
For support stands and accessories, see pages 59-69.*

For ordering information, see page 71

2200 BELT SERIES: CLEATED BELT END DRIVE



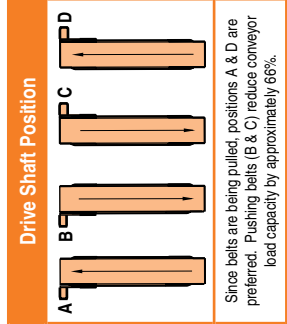
X = 2.44 (62) for F & G
2.94 (75) for A & H
4.14 (105) for B, C, V & J cleats

W = Conveyor Belt Width Dim = in (mm)

STANDARD SIZES

Conveyor Width Reference	02	03	04	05	06	08	10	12	18	21	24
Conveyor Belt Width (W)	1.75" (44mm)	2.75" (70mm)	3.75" (95mm)	5" (127mm)	6" (152mm)	8" (203mm)	10" (254mm)	12" (305mm)	18" (457mm)	21" (533mm)	24" (610mm)
Conveyor Length Reference	0150										
Conveyor Length (L)	1.5' (457mm)										
	0001 increments up to...										
	0.12" (3mm) increments up to...										
	18' (5,486mm)										

NOTE: Lengths 13' to 18' available in widths 6" to 24" only.
NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations.
Gang Drive Conveyors: Non-V-guided belts up to 24" (610 mm) wide, V-Guided belts up to 18" (457 mm) wide.



Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.

2200 BELT SERIES: GRAVITY ROLLER



Specifications:

- Loads up to 80 lbs/ft* (119 kg/m)
- Roller widths: 6" (152 mm) to 24" (610 mm)
- Conveyor lengths: 2' (610 mm) to 12' (3,658 mm)
- Roller centers 1.5" (38 mm) to 6" (152 mm)
- Standard roller 1.25" (32 mm) diameter anodized aluminum
- 1.19" (30 mm) diameter PVC rollers available for 6" (152 mm) and 12" (305 mm) wide conveyors

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- High strength anodized aluminum frame with a clear coat finish
- Low profile design for clean appearance and minimal protrusions
- T-slots make mounting accessories simple with no drilling or special tools
- T-slots for easy mounting of pre-engineered accessories
- Sections link together for additional length
- Easy machine and operator interface

Load Capacity

Length	Max. Load**	# of Support Stands
2' (610)	80 lbs/ft* (36 kg)	2
3' (914)	80 lbs/ft* (36 kg)	2
4' (1,219)	40 lbs/ft* (18 kg)	2
5' (1,524)	20 lbs/ft* (9 kg)	2
6' (1,829)	10 lbs/ft* (4.5 kg)	2
7' (2,134)	80 lbs/ft* (36 kg)	3
8' (2,438)	40 lbs/ft* (18 kg)	3
9' (2,743)	40 lbs/ft* (18 kg)	3
10' (3,048)	20 lbs/ft* (9 kg)	3
11' (3,353)	20 lbs/ft* (9 kg)	3
12' (3,658)	10 lbs/ft* (4.5 kg)	3

Dim = in (mm)

* Adding Supports increases capacity to 80lbs/ft.

** Evenly distributed loads

Roller Quantity

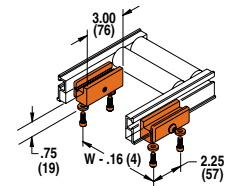
Length	Roller Centers			
	1.5" (38)	3" (76)	4.5" (114)	6" (152)
2' (610)	16	9	6	5
3' (914)	24	13	9	7
4' (1,219)	32	17	12	9
5' (1,524)	40	21	13	11
6' (1,829)	48	25	17	13
7' (2,134)	56	29	20	15
8' (2,438)	64	33	23	19
9' (2,743)	72	37	25	19
10' (3,048)	80	41	28	21
11' (3,353)	88	45	31	23
12' (3,658)	96	49	33	25

Dim = in (mm)

It is recommended that 3 rollers be in contact with the product at all times.

For support stands and accessories, see pages 59-69.

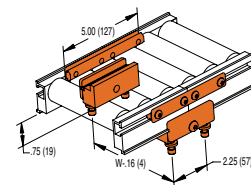
Stand Mounting Bracket



- Includes Brackets and Mounting Hardware

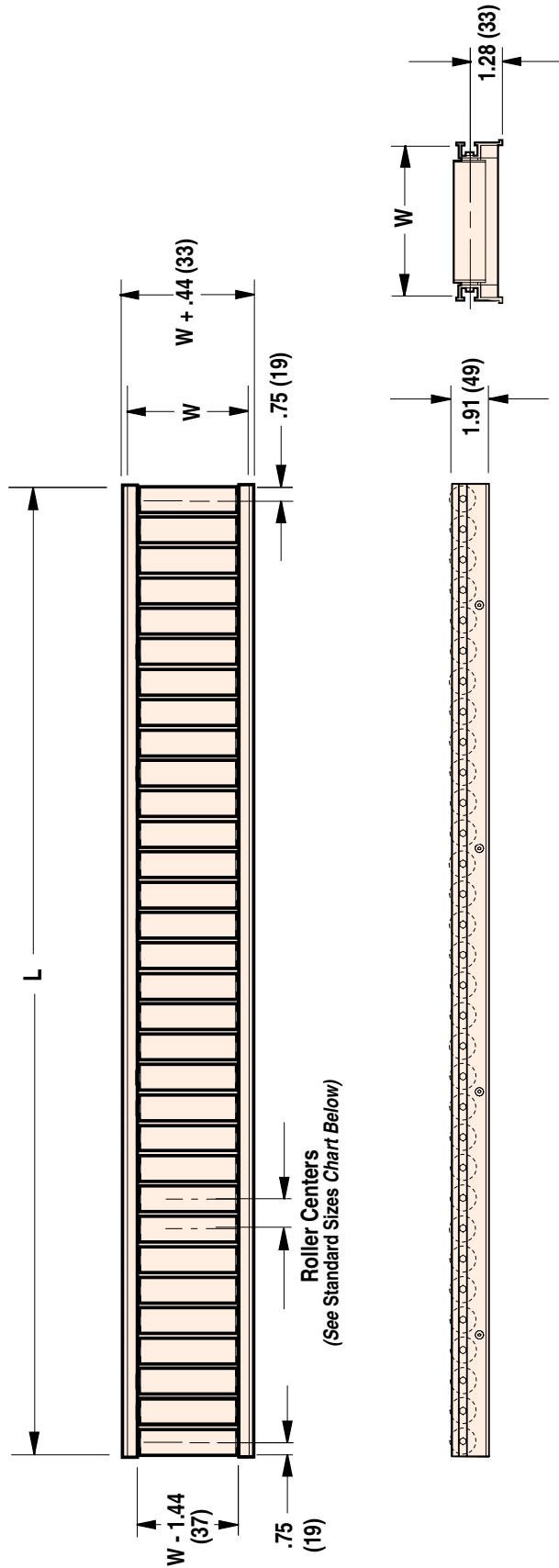
Part Number	Description
203401M	2200 Roller (pair)

Connecting Assembly



- Includes: Connecting Plates, T-Bars, Stand Mounting Bracket and Attaching Hardware

Part Number	Description
202900M	Model 2160



All conveyors are shipped with a roller at each end. Depending on roller centers, one odd roller space may occur. All frames are punched for rollers $.75$ " (19) from each end on 1.5 " (38) centers

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

STANDARD SIZES				
Conveyor Width Reference	06	12	18	24
Conveyor Roller Width (W)	6" (152mm)	12" (305mm)	18" (457mm)	24" (610mm)
Conveyor Length Reference	0200	0100 increments up to...		1200
Conveyor Length (L)	2' (610mm)	1' (305mm) increments up to...		12' (3658mm)
Roller Center Reference	15	30	45	60
Roller Centers	1.5" (38mm)	3" (76mm)	4.5" (114mm)	6" (152mm)

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.

2200 MPB SERIES: MODULAR FLAT BELT



Specifications:

- Loads up to 150 lbs* (68 kg)
- Belt speeds up to 250 ft/min (76 m/min)
- Belt widths: 3" (76 mm) to 23.25" (591 mm)
- Conveyor lengths: 2' (610 mm) to 30' (9,144 mm)
- 0.59" (15 mm) pitch belt
- 2.6" (66 mm) diameter drive pulley
- 12 mm integral drive shaft
- **CE** models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Rugged spherical ball bearings are sealed for life
- Small 0.59" (15 mm) chain pitch for smooth belt operation
- 2.6" (66 mm) diameter end pulley for small product transfers
- Minimal catenary belt sag reduces cordial action and improves safety
- Single point rack and pinion belt tensioning is fast and easy to use
- T-slots make mounting accessories simple with no drilling or special tools
- Sealed ball bearings



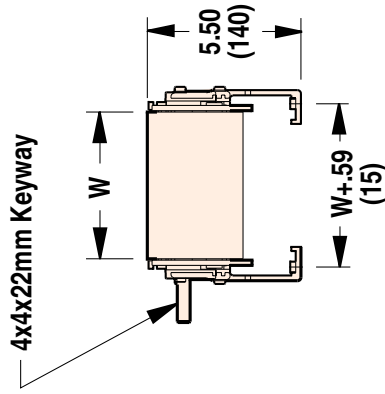
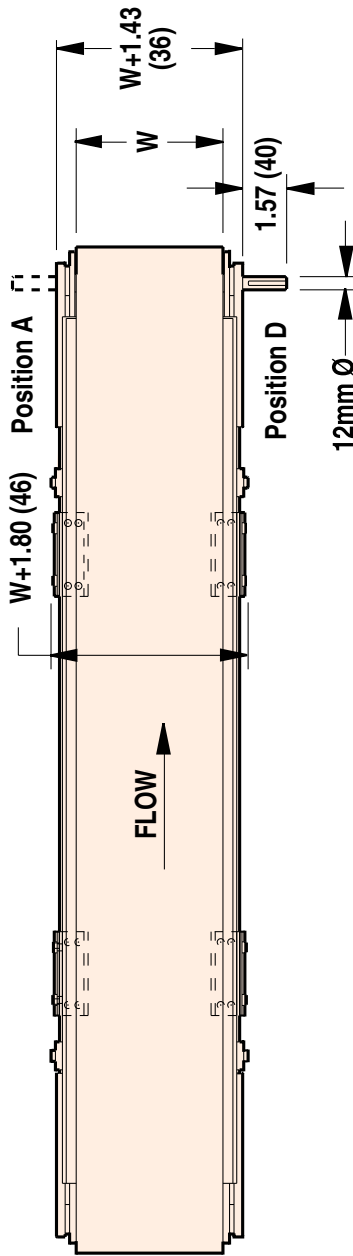
**OPTIONAL:
Perforated Bedplate**

For cooling / draining applications
(12" and wider).

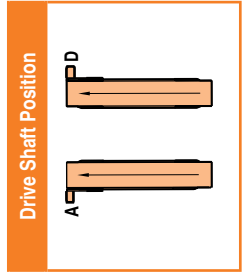
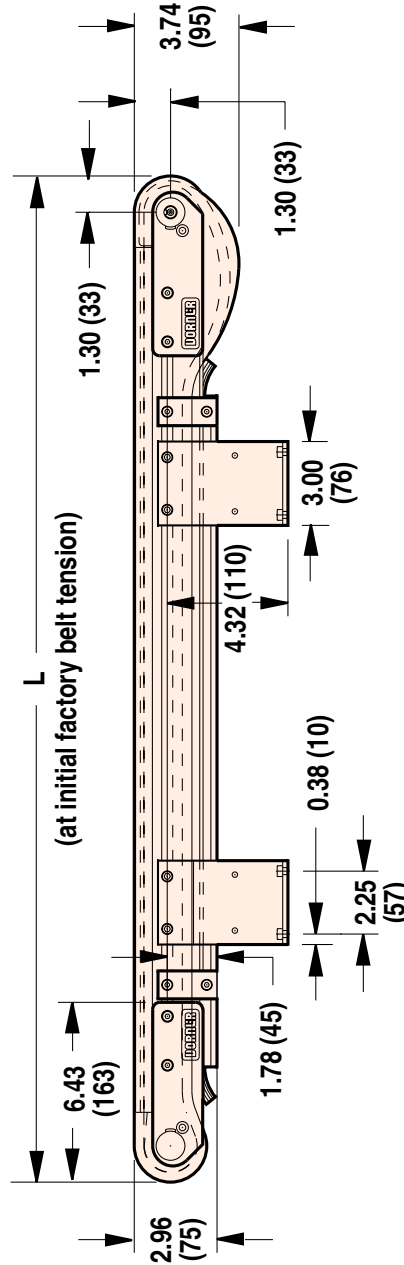
*Order gearmotor mounting packages and gearmotors separately, see pages 39-56.
For support stands and accessories, see pages 59-69.*

For ordering information, see page 72

2200 MPB SERIES: FLAT BELT CONVEYORS



W = Conveyor Belt Width
Dim = in (mm)



STANDARD SIZES					
Conveyor Width Reference	04	06	12	18	24
Conveyor Belt Width (W)	3.0" (76mm)	5.25" (133mm)	11.25" (286mm)	17.25" (438mm)	23.25" (591mm)
Conveyor Length Reference	0200	0002 increments up to...			3000
Conveyor Length (L)	2' (610mm)	0.24" (6mm) increments up to...			30' (9,144mm)

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations.

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.

2200 MPB SERIES: MODULAR CLEATED BELT



Specifications:

- Loads up to 150 lbs* (69 kg)
- Belt speeds up to 150 ft/min (46 m/min)
- Belt widths: 3" (76 mm) to 23.25" (591 mm)
- Conveyor lengths: 2' (610 mm) to 30' (9,144 mm)
- 0.59" (15 mm) pitch belt
- 2.6" (66 mm) diameter drive pulley
- 1.18" (30 mm) minimum cleat spacing
- 2" (51 mm) high cleats, other heights available, contact factory
- 12 mm integral drive shaft
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Rugged spherical ball bearings are sealed for life
- Small 0.59" (15 mm) chain pitch for smooth belt operation
- 2.6" (66 mm) diameter end pulley for small product transfers
- Minimal catenary belt sag reduces cordial action and improves safety
- Fully supported and guided belt reduces noise and offers improved side load
- T-slots make mounting accessories simple with no drilling or special tools
- Sealed ball bearings



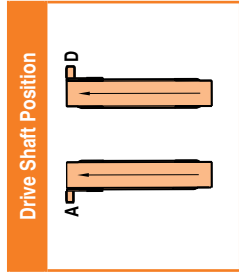
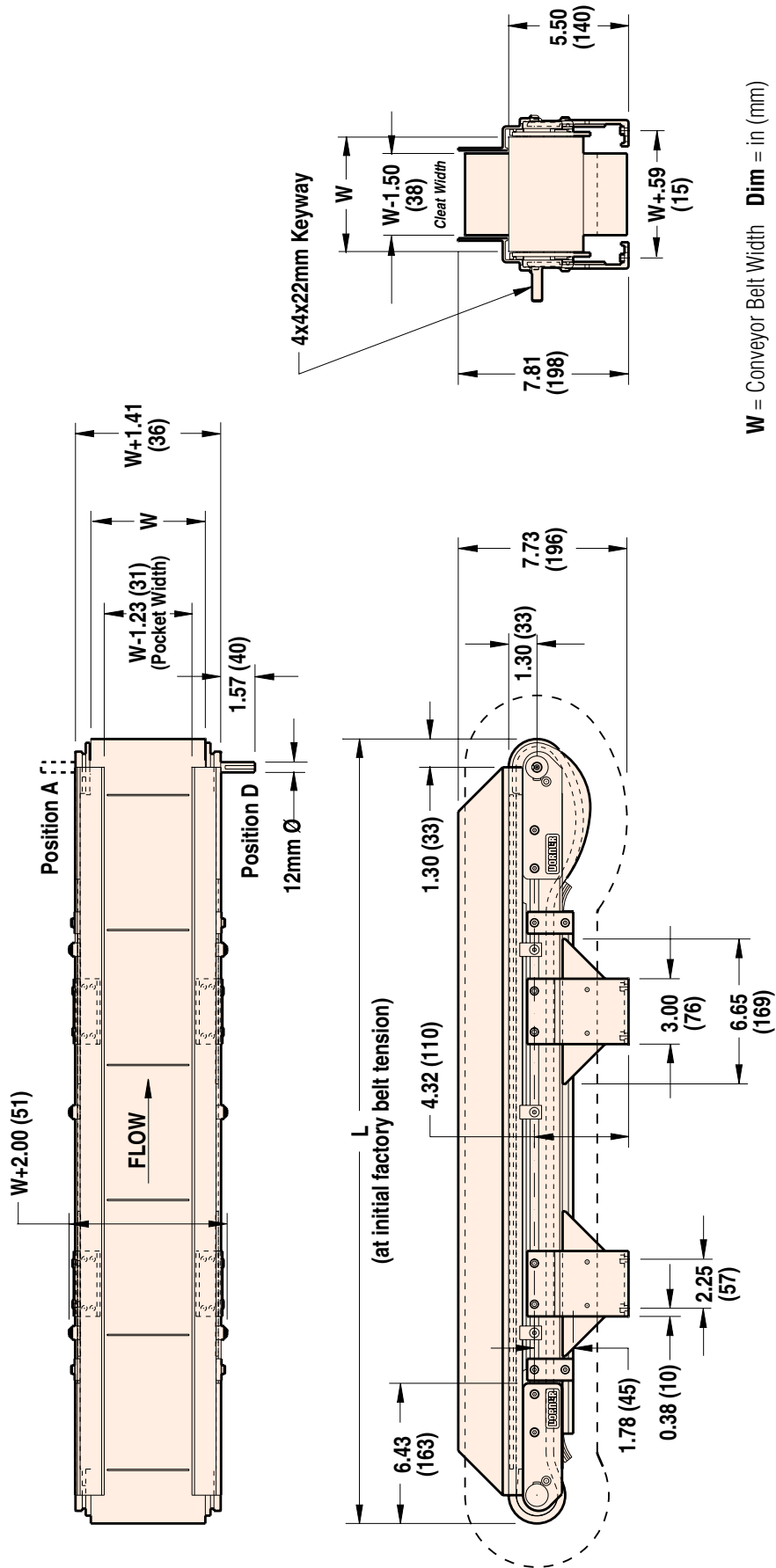
OPTIONAL: Perforated Bedplate

For cooling / draining applications
(12" and wider).

*Order gearmotor mounting packages and gearmotors separately, see pages 39-56.
For support stands and accessories, see pages 59-69.*

For ordering information, see page 72

2200 MPB SERIES: CLEATED BELT CONVEYORS



STANDARD SIZES					
Conveyor Width Reference	04	06	12	18	24
Conveyor Belt Width (W)	3.0" (76mm)	5.25" (133mm)	11.25" (286mm)	17.25" (438mm)	23.25" (591mm)
Conveyor Length Reference	0200	0002 increments up to...			
Conveyor Length (L)	2' (610mm)	0.24" (6mm) increments up to... 30' (9,144mm)			

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations.

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.

2200 MPB SERIES: MODULAR SIDEWALL CLEATED BELT



Specifications:

- Loads up to 150 lbs* (68 kg)
- Belt speeds up to 150 ft/min (46 m/min)
- Belt widths: 11.25" (286 mm) to 23.25" (591 mm)
- Conveyor lengths: 2' (610 mm) to 30' (9,144 mm)
- 0.59" (15 mm) pitch belt
- 2.6" (66 mm) diameter drive pulley
- 1.18" (30 mm) minimum cleat spacing
- 2" (51 mm) high cleats, other heights available, contact factory
- 12 mm integral drive shaft
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Rugged spherical ball bearings are sealed for life
- Small 0.59" (15 mm) chain pitch for smooth belt operation
- 2.6" (66 mm) diameter end pulley for small product transfers
- Minimal catenary belt sag reduces cordial action and improves safety
- Fully supported and guided belt reduces noise and offers improved side load
- T-slots make mounting accessories simple with no drilling or special tools
- Sealed ball bearings

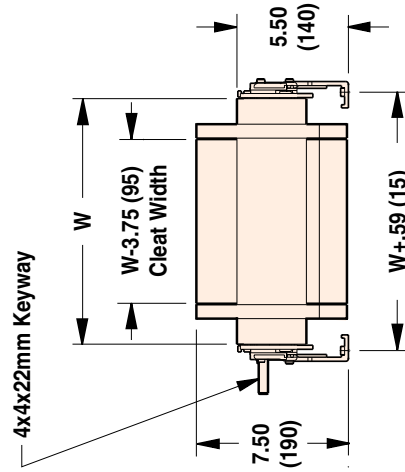
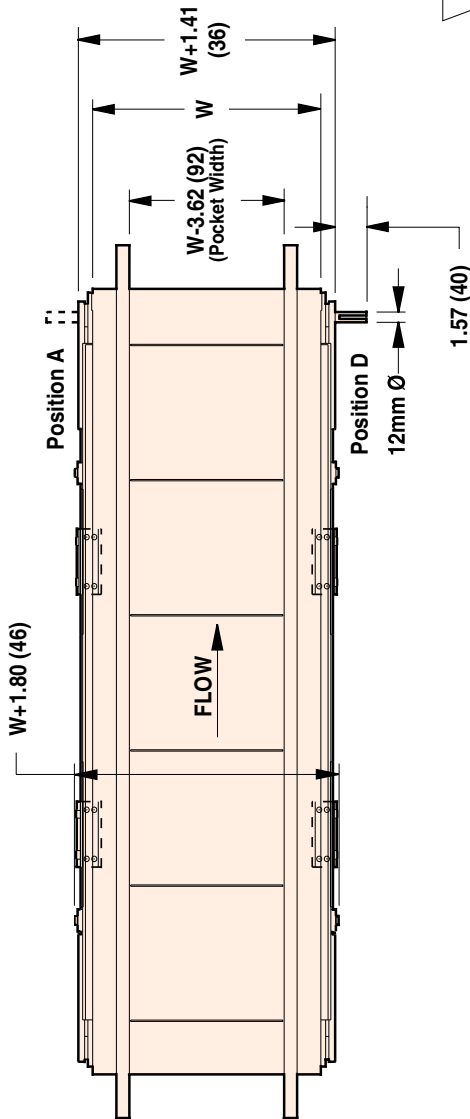


For cooling / draining applications
(12" and wider).

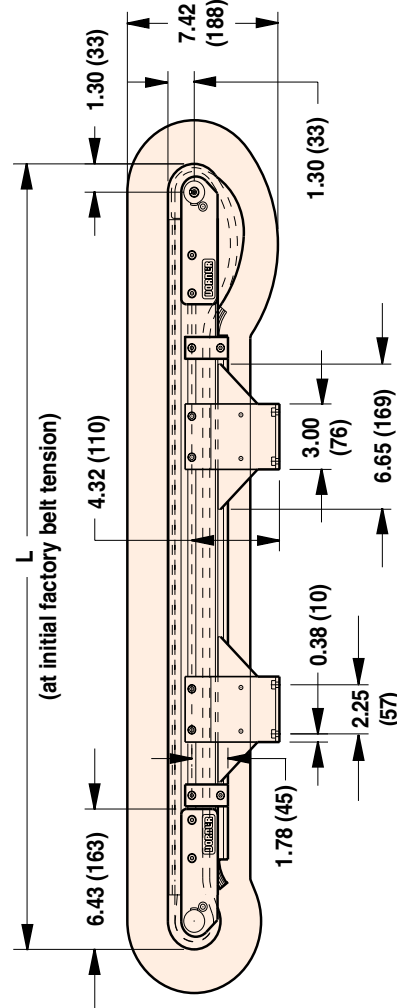
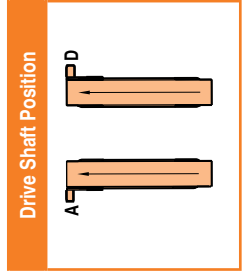
*Order gearmotor mounting packages and gearmotors separately, see pages 39-56.
For support stands and accessories, see pages 59-69.*

For ordering information, see page 73

2200 MPB SERIES: SIDEWALL CLEATED BELT CONVEYORS



W = Conveyor Belt Width Dim = in (mm)



STANDARD SIZES			
Conveyor Width Reference	12	18	24
Conveyor Belt Width (W)	11.25" (286mm)	17.25" (438mm)	23.25" (591mm)
Conveyor Length Reference	0200	0002 increments up to...	
Conveyor Length (L)	2' (610mm)	0.24" (6mm) increments up to... 30' (9,144mm)	

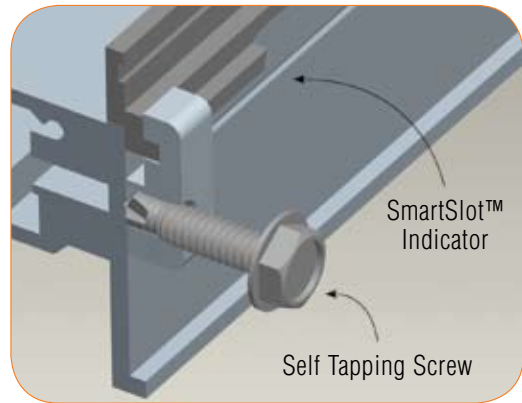
NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations.

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.



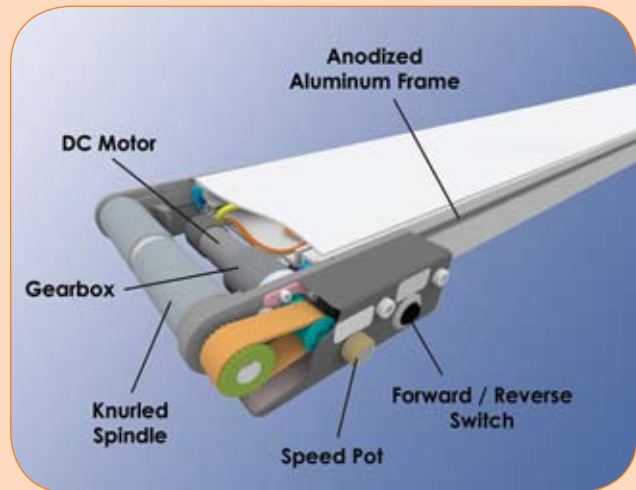
Specifications:

- Sealed ball bearings
- Belt Widths: 2" (51 mm) to 18" (457 mm)
- Conveyor Lengths: 18" (457 mm) to 8' (2,438 mm)
- Belt Speeds: Variable Speed, (4) Speed Options
 - 1.7 to 17 ft/min (0.5 to 5 m/min)
 - 3 to 24 ft/min (0.9 to 7 m/min)
 - 5 to 50 ft/min (1.5 to 15 m/min)
 - 7 to 70 ft/min (2 to 21 m/min)
- Conveyor Load Capacity (non-accumulated, distributed load):
 - 1.7 to 17 ft/min – Up to 25 lbs (11.3 kg)
 - 3 to 24 ft/min – Up to 25 lbs (11.3 kg)
 - 5 to 50 ft/min – Up to 25 lbs (11.3 kg)
 - 7 to 70 ft/min – Up to 12 lbs (5.4 kg)
- Indexing Capable – Up to 30 indexes per minute



Features & Benefits:

- Internally mounted gearmotor and control for space savings and tight work spaces
- Reduced integration time required to mount and wire the total conveyor package
- Ideal combination of conveyor and gearmotor sizing for small parts handling
- Variable Speed and reversible for maximum application flexibility
- Control switches conveniently located in high impact protective case
- SmartSlot™ mounting system for attachments without drawback of T-slot that collect dust
- 1.25" diameter drive roller for smooth product transfer
- V-guided belts for maintenance-free belt tracking (4" and wider only)
- Maintenance-free brushless DC motor



OPTIONAL:
Customer Wired Controls

For ease of automation integration.

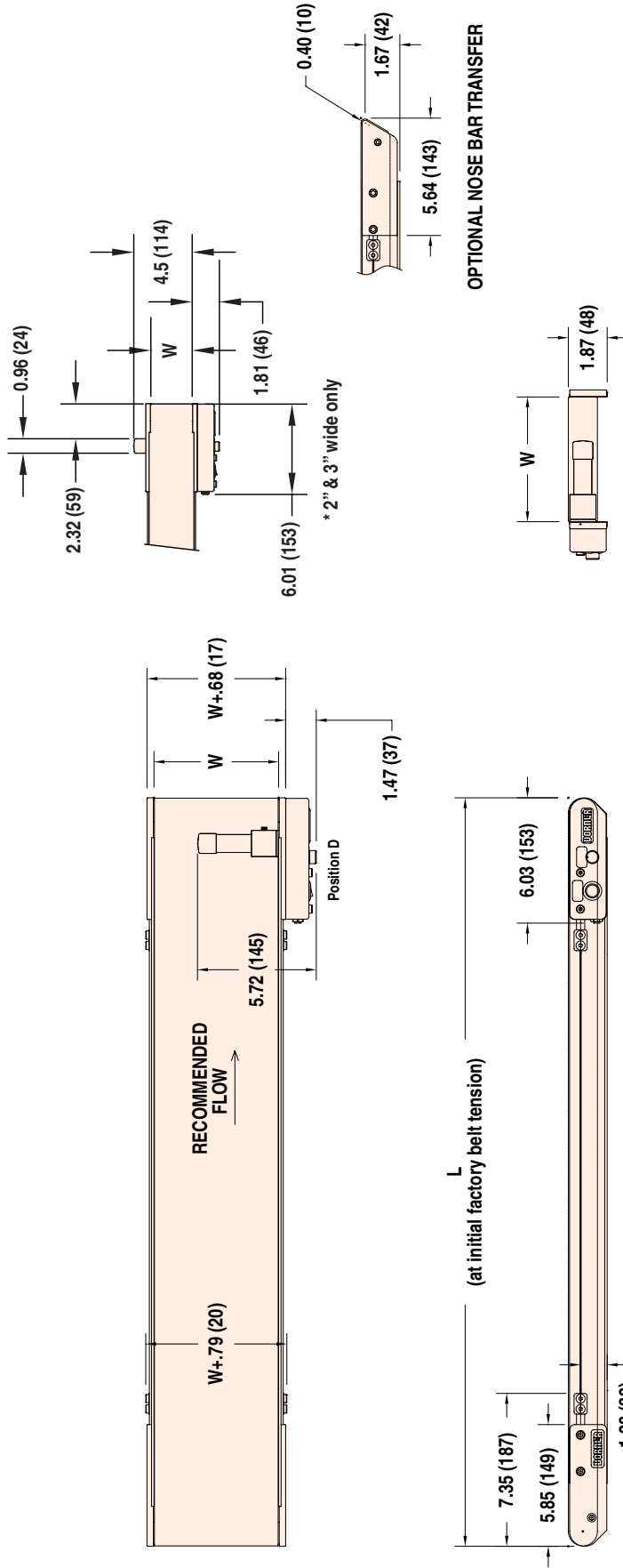


OPTIONAL:
8 mm Nose Bar Transfer

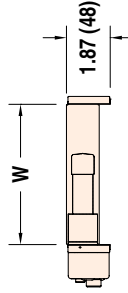
Available at non-driven end.
Speeds up to 75 ft/min (22 m/min).

For support stands and accessories, see pages 59-69.

For ordering information, see page 70



OPTIONAL NOSE BAR TRANSFER



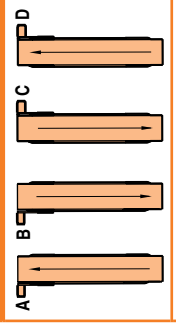
W = Conveyor Belt Width **Dim** = in (mm)

STANDARD SIZES

Conveyor Width Reference	02	04	06	08	12	18
Conveyor Belt Width (W)	1.75" (44mm)	3.75" (95mm)	6" (152mm)	8" (203mm)	12" (305mm)	18" (457mm)
Conveyor Length Reference	0150	0001 increments up to ...				
Conveyor Length (L)	1.5' (457mm)	0.12" (3mm) increments up to ...				
					8' (2,438mm)	

NOTE: Duty cycle not continuous rated.

Drive Shaft Position



Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.

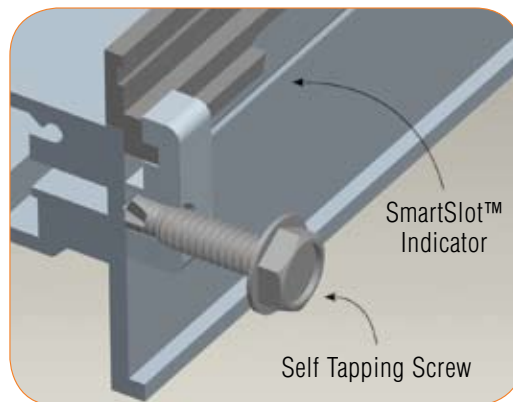
For more information, go to www.dorner.com. Call 800.397.8664 or 262.367.7600.
Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.



Specifications:

- Loads up to 96 lbs* (43 kg)
- Belt speeds up to 400 ft/min (122 m/min)
- Belt widths: 1.75" (44 mm) to 24" (610 mm)
- Conveyor lengths: 18" (457 mm) to 18' (5,486 mm)
- 1.25" (32 mm) diameter drive and idler pulleys turn approximately 4.2" (107 mm) of belt per revolution
- V-grooved aluminum bedplate with low friction coating**
- 12mm diameter integral drive shaft
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.



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

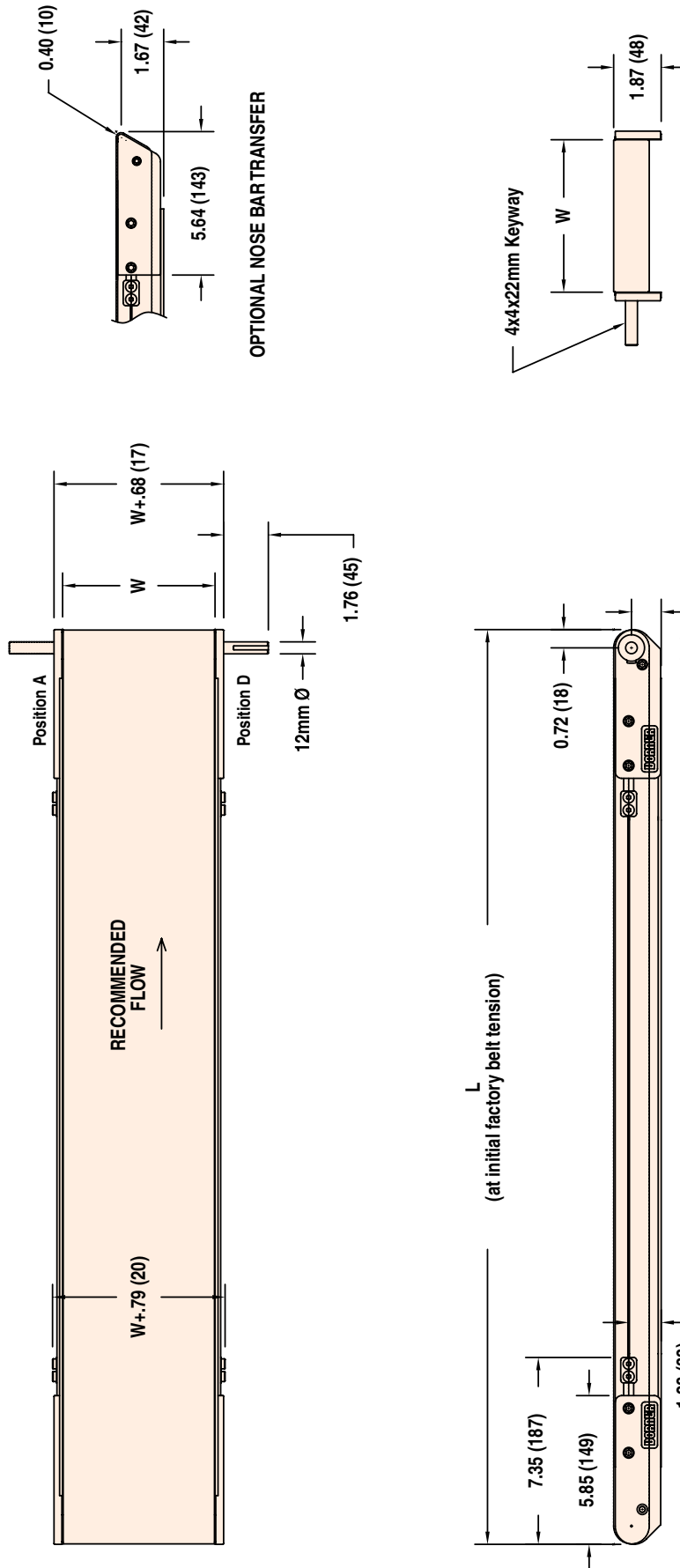
** V-grooved aluminum bedplate available on 2" - 12" lengths only.
V-grooved stainless steel bedplate available on 18" - 24" lengths.



Available at non-driven end.
Speeds up to 75 ft/min (22 m/min).

Order gearmotor mounting packages and gearmotors separately, see pages 39-56.
For support stands and accessories, see pages 59-69.

For ordering information, see page 70



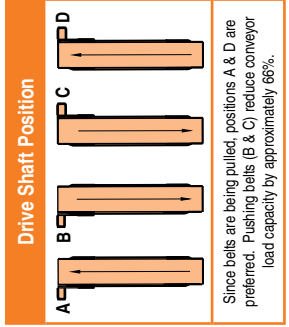
W = Conveyor Belt Width Dim = in (mm)

STANDARD SIZES							
Conveyor Width Reference	02	04	06	08	12	18	24
Conveyor Belt Width (W)	1.75" (44mm)	3.75" (95mm)	6" (152mm)	8" (203mm)	12" (305mm)	18" (457mm)	24" (610mm)
Conveyor Length Reference	0150	0001 increments up to ...				1800	
Conveyor Length (L)	1.5' (457mm)	0.12" (3mm) increments up to ...				18' (5.486mm)	

NOTE: Lengths 13' to 18' available in widths 6" to 24" only.

NOTE: Conveyor longer than 8' (2,438 mm) will be constructed using a multiple piece frame. Consult factory for locations.

Gang Drive Conveyors: Non-V-guided belts up to 24" (610 mm) wide, V-Guided belts up to 18" (457 mm) wide.



For more information, go to www.dorner.com. Call 800.397.8664 or 262.367.7600.

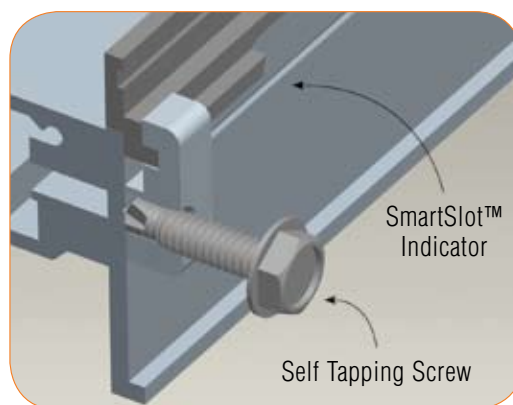
Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.



Specifications:

- Loads up to 120 lbs* (54 kg)
- Belt speeds up to 400 ft/min (122 m/min)
- Belt widths: 1.75" (44 mm) to 24" (610 mm)
- Conveyor lengths: 24" (610 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
- V-grooved aluminum bedplate with low friction coating**
- 12 mm diameter integral drive shaft
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.



Features & Benefits:

- SmartSlot™ mounting system for attachments without drawback of T-slot that collect dust
- Center Drive module frees up both ends of conveyor for operator and machine interface
- Center Drive module can be easily repositioned along the length of the conveyor
- Maintenance-free gas-spring belt tensioner maintains uniform belt tension
- FDA approved low friction coating on bedplate**
- V-groove bedplate 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
- 2" (51 mm) of belt take up extends conveyor belt life
- Stand mounting brackets are easily re-positioned along the T-slot
- 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.



**OPTIONAL:
Dual or Idler End
Output Shafts**



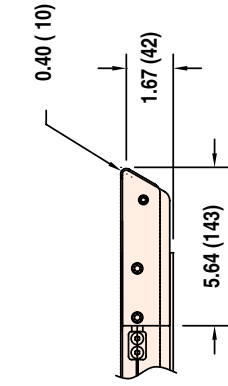
**OPTIONAL:
8 mm Nose Bar Transfer**

Available at non-driven end.
Speeds up to 75 ft/min (22 m/min).

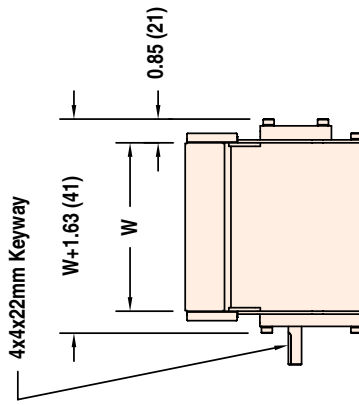
*Order gearmotor mounting packages and gearmotors separately, see pages 39-56.
For support stands and accessories, see pages 59-69.*

For ordering information, see page 71

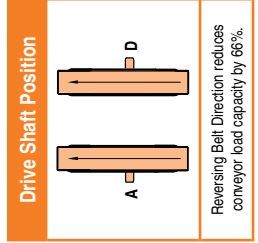
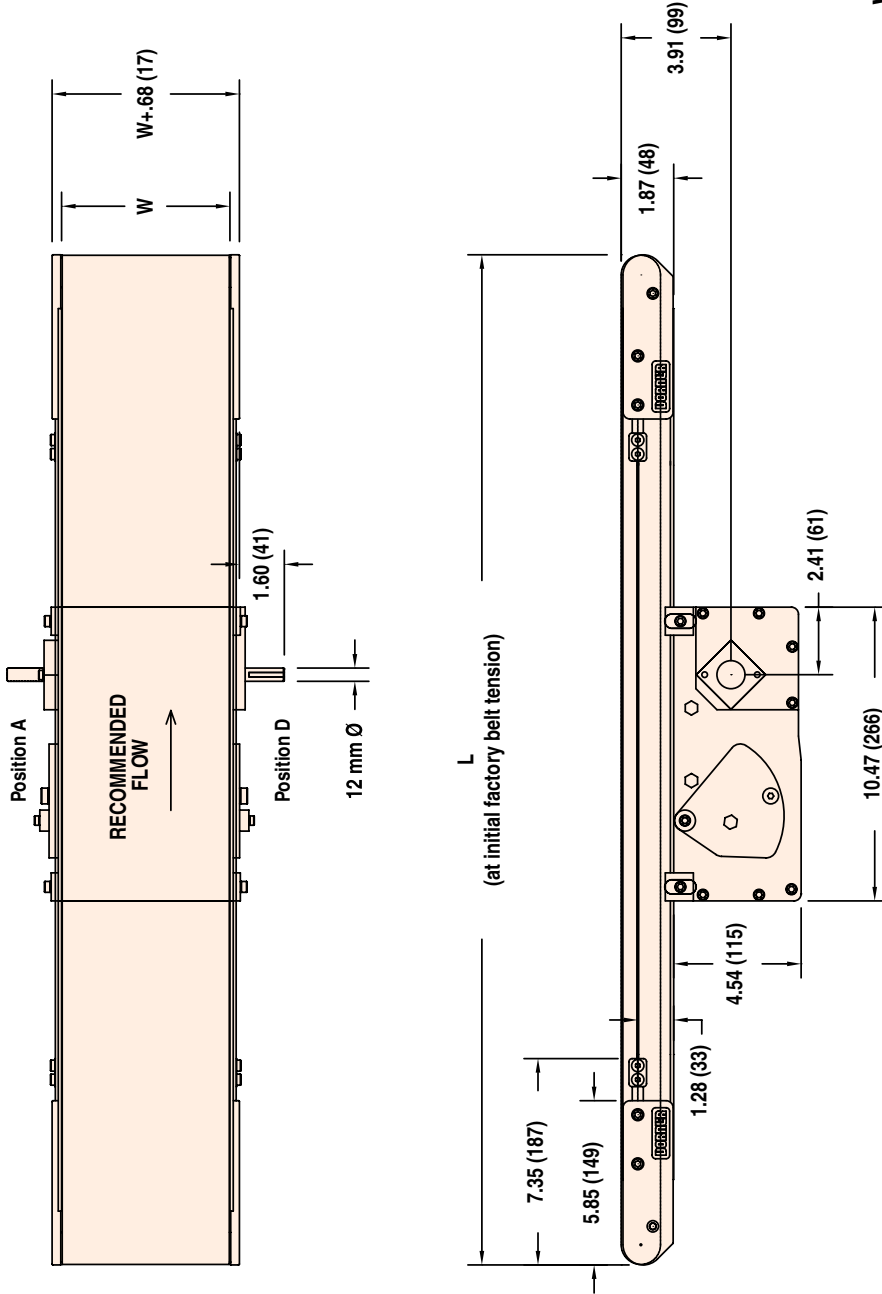
2300 SERIES: FLAT BELT CENTER DRIVE



OPTIONAL NOSE BAR TRANSFER



W = Conveyor Belt Width Dim = in (mm)



STANDARD SIZES							
Conveyor Width Reference	02	04	06	08	12	18	24
Conveyor Belt Width (W)	1.75" (44mm)	3.75" (95mm)	6" (152mm)	8" (203mm)	12" (305mm)	18" (457mm)	24" (610mm)
Conveyor Length Reference	0200	0001 increments up to ...					2400
Conveyor Length (L)	2' (610mm)	0.12" (3mm) increments up to ...					24' (7,315mm)

NOTE: Lengths 13' to 18' available in widths 6" to 24" only.
NOTE: Conveyor longer than 8' (2,438 mm) will be constructed using a multiple piece frame. Consult factory for locations.

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.

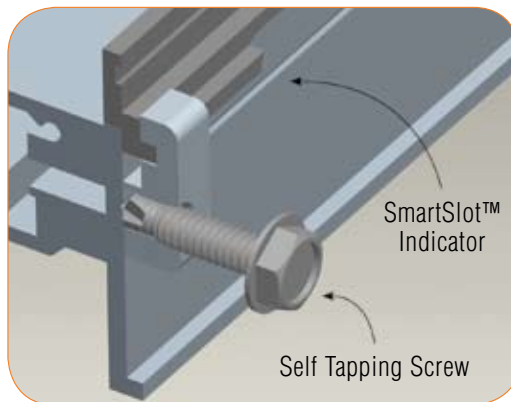


Specifications:

- Loads up to 96 lbs* (43 kg)
- Belt speeds up to 400 ft/min (122 m/min)
- Belt widths: 1.75" (44 mm) to 24" (610 mm)
- Conveyor lengths: 18" (457 mm) to 18' (5,486 mm)
- Cleats available from 0.24" (6 mm) to 2.36" (60 mm) high
- 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
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Note: Standard idler pulley houses a small magnet which may be omitted upon request for magnetically sensitive products and applications.



Features & Benefits:

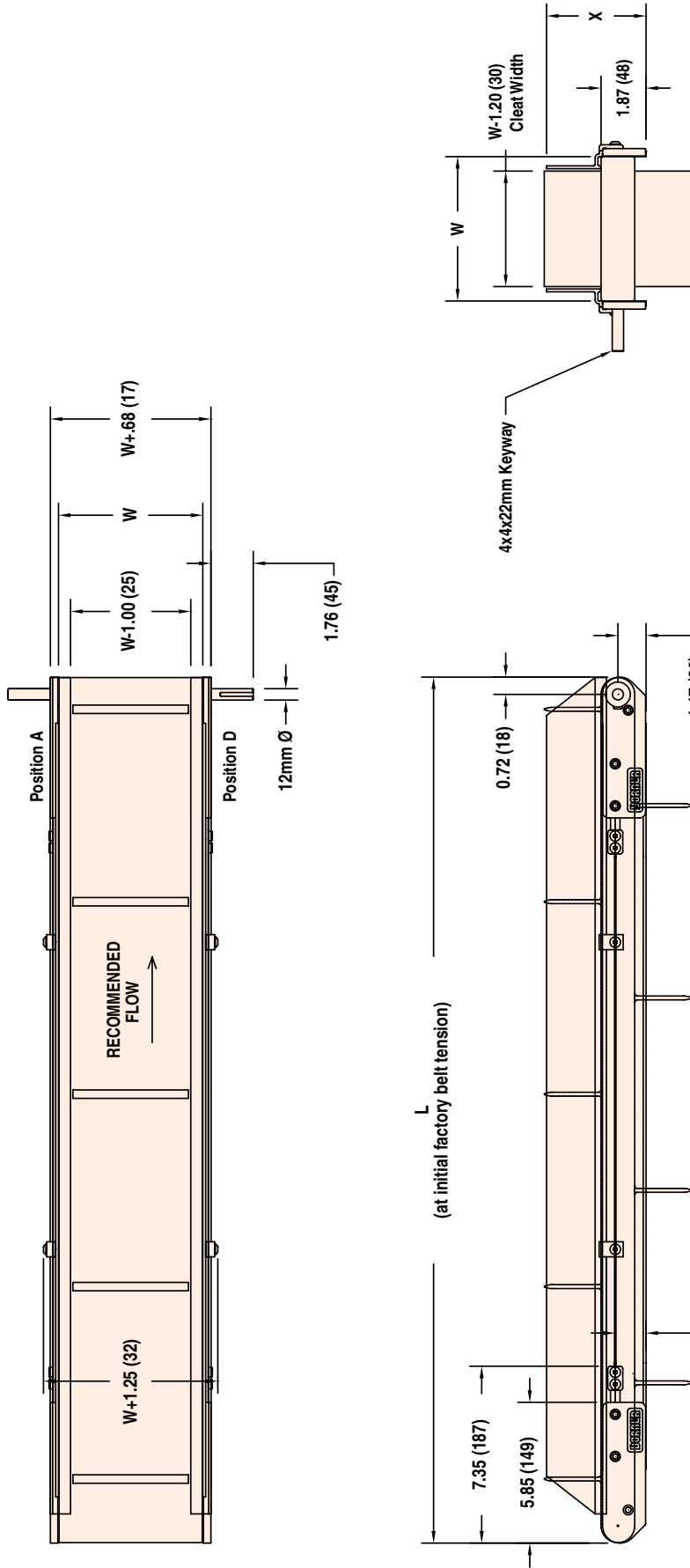
- SmartSlot™ mounting system for attachments without drawback of T-slot that collect dust
- Quick five-minute belt change
- Rack and pinion belt tensioning for fast, accurate single point belt tensioning
- V-groove bedplate with guided belt provides positive belt tracking, even under demanding side load 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
- Motion sensor ready
- Sealed ball bearings



Order gearmotor mounting packages and gearmotors separately, see pages 39-56.
For support stands and accessories, see pages 59-69.

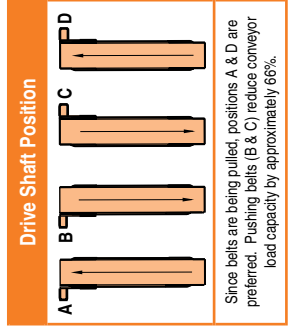
For ordering information, see page 71

2300 SERIES: CLEATED BELT END DRIVE



X = 4.14 (105) for Cleat Types B, C, J & V
 2.94 (75) for Cleat Types A & H
 2.28 (58) for Cleat Types F & G

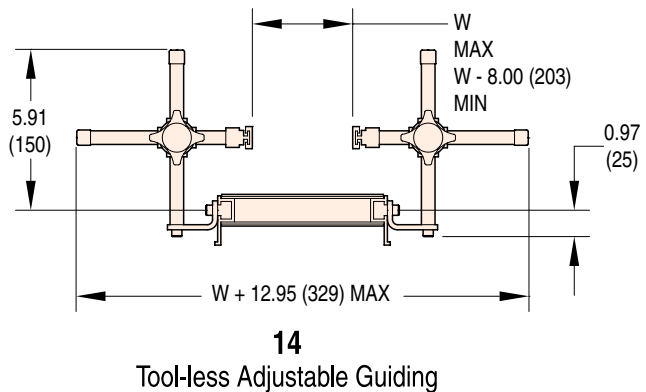
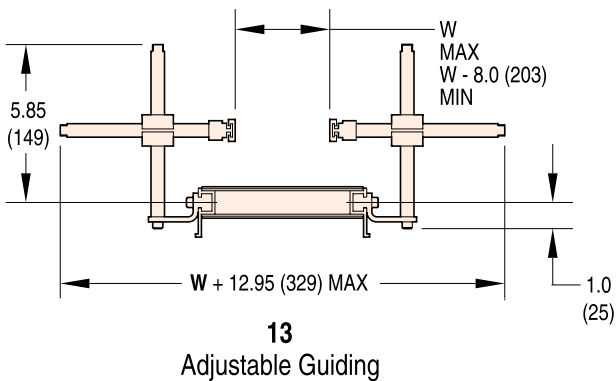
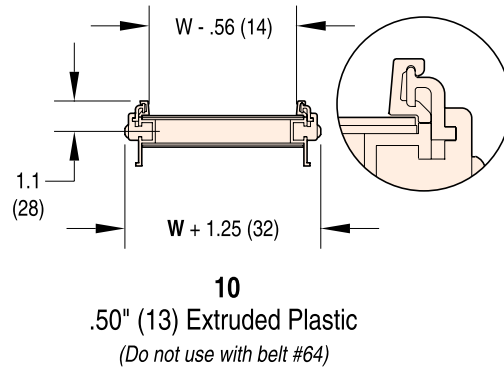
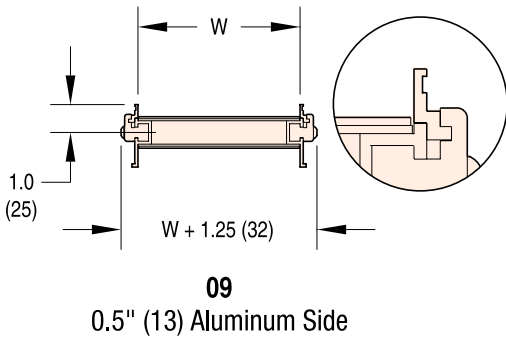
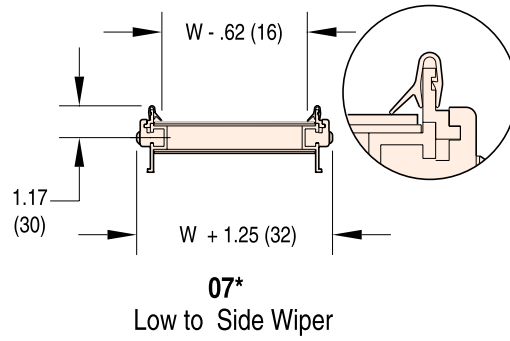
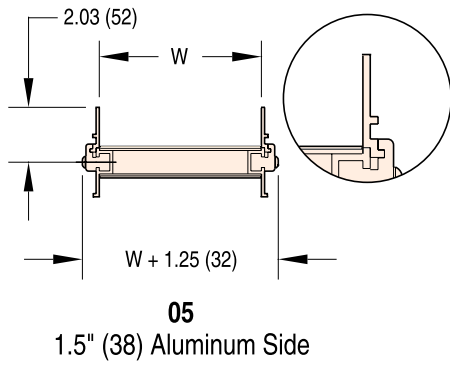
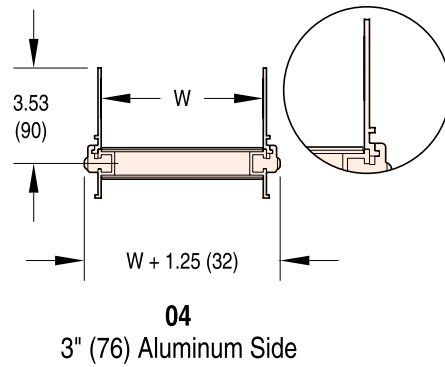
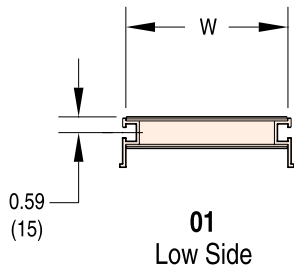
W = Conveyor Belt Width Dim = in (mm)



STANDARD SIZES							
Conveyor Width Reference	02	04	06	08	12	18	24
Conveyor Belt Width (W)	1.75" (44mm)	3.75" (95mm)	6" (152mm)	8" (203mm)	12" (305mm)	18" (457mm)	24" (610mm)
Conveyor Length Reference	0150	0001 increments up to ...					
Conveyor Length (L)	1.5' (457mm)	0.12" (3mm) increments up to ...					

NOTE: Lengths 13' to 18' available in widths 6" to 24" only.
 NOTE: Conveyor longer than 8' (2,438 mm) will be constructed using a multiple piece frame. Consult factory for locations.

2200 & 2300 BELT SERIES: PROFILES

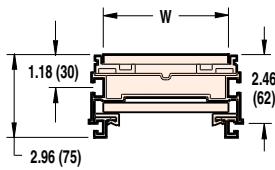


* = Not available on Gravity Roller Conveyors
and do not use with high friction belts

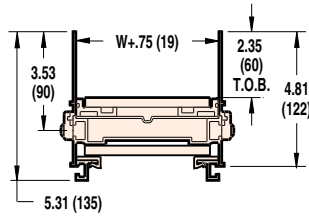
W = Conveyor Belt Width

Dim = in (mm)

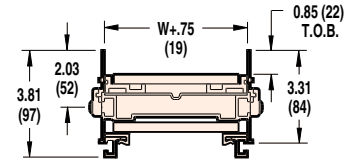
FLAT BELT PROFILES



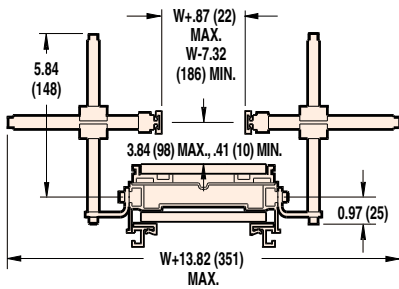
01
Low Side



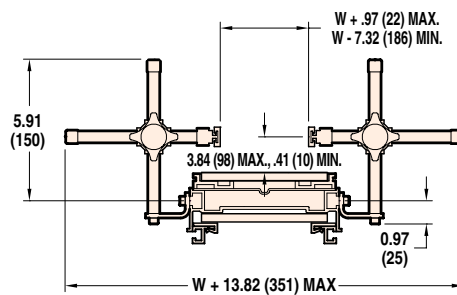
04
2.35" (60)
Bolt-On Aluminum Side



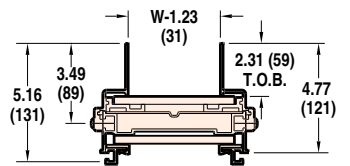
05
.85" (22)
Bolt-On Aluminum Side



13
Fully Adjustable Guide

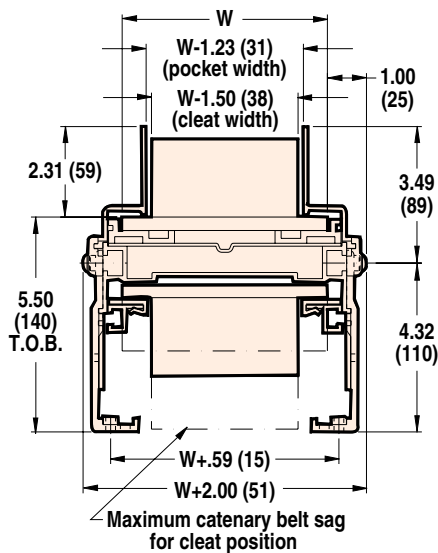


14
Fully Adjustable Guide



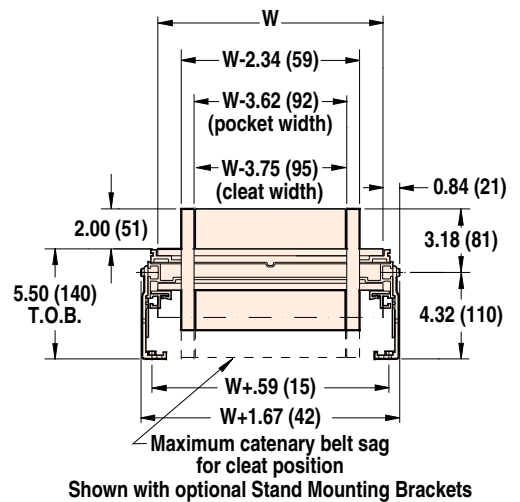
20
3.0" (78)
Inset High Side

CLEATED BELT PROFILES



Shown with optional Stand Mount Brackets

SIDEWALL CLEATED BELT PROFILES



Shown with optional Stand Mounting Brackets

2200 & 2300 BELT SERIES: STANDARD BELTING



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	0.067 (1.7)	Urethane	Polyester	212°F (100°C)	Low	x	x		Good	Packaging, clean room & 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	0.067 (1.7)	Urethane	Polyester	212°F (100°C)	High	x	x		Good	Packaging, clean room & 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*
09			iDrive General Purpose	0.055 (1.4)	Urethane	Polyester	212°F (100°C)	High	x			Good	Lower No Load Torque

Dim = in (mm)

Note: See below for splice details. Plastic Clipper splice requires longer lead times.

Note: Belts with V-guiding may have a slight high spot or rib on the top surface. This rib would run longitudinally along the center of the belt. Consult factory with applications for which this may cause interference.

* Incline varies due to factors like dust, fluids and part material.

BELT SPLICING



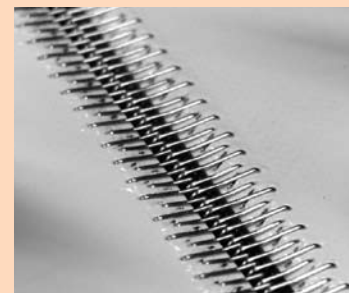
Finger Splice

All belts are available with a standard Thermoformed finger splice. This splice makes the belt continuous and is virtually undetectable. Splice bonding methods vary by belt type. Consult factory for details.



Plastic Clipper**

An optional plastic clipper splice is available for quick removal of belts or when conveyors are installed in tight spaces.



Metal Clipper**

An optional metal clipper splice is also available for quick removal of belts or when conveyors are installed in tight spaces.

** See belt charts for compatibility. Not for use with 2200/2300 Series Nose Bar Transfer or 2200/2300 Series with bottom wiper option. Plastic and Metal Clippers are slightly thicker than base belt. Contact factory for details.

2200 & 2300 BELT SERIES: SPECIALTY BELTING



Specialty Belt Selection Guide

Specialty belt material is not stocked at Dorner and needs to be custom ordered for your special conveyor needs.

Belt Type - Finger Splice	Belt Type - Plastic Clipper	Belt Type - Metal Clipper	Belt Specifications	V-guided	Belt Thickness	Surface Material	Maximum Part Temperature	Coefficient of Friction	FDA Approved	Chemical Resistance	Special Characteristics or Applications
19			Nose Bar, High Friction		0.02 (0.6)	Urethane	212°F (100°C)	High	x	Good	Very Small Product Transfer
50			Heat Resistant		0.05 (1.3)	Silicone	356°F (180°C)	Low		Good	
53			Translucent & Nose Bar, Accumulation		0.02 (0.5)	Urethane	212°F (100°C)	V-Low	x	Good	Back Lit inspection & Very Small Product Transfer
54	F4	4F	FDA Sealed Edge**	x	0.06 (1.6)	Urethane	176°F (80°C)	Low	x	Good	Packaging, clean room & inspection
55	F5	5F	FDA Sealed Edge**	x	0.06 (1.6)	Urethane	176°F (80°C)	High	x	Good	Packaging, clean room & inspection
56		6F	Cut Resistant	x	0.08 (2.1)	Urethane	212°F (100°C)	Med.		Good	Oily product release, Metal stamping
57		7F	Cut Resistant*	x	0.10 (2.5)	Nitrile	176°F (80°C)	Med.		Poor	Felt-like, dry metal stamping, glass & ceramic
58		8F	Cut Resistant		0.06 (1.5)	Urethane	176°F (80°C)	Low		V-Good	Cross-linked surface, Gold colored
59	F9	9F	Color Contrasting	x	0.06 (1.5)	PVC	158°F (70°C)	Med.		Poor	Black colored, hides overspray from ink jet
60	G0	0G	Color Contrasting	x	0.05 (1.3)	Urethane	212°F (100°C)	Low	x	Good	Green colored
61	G1	1G	Color Contrasting	x	0.05 (1.3)	Urethane	212°F (100°C)	Low	x	Good	Blue colored
63		3G	Electrically Conductive	x	0.05 (1.2)	Urethane	176°F (80°C)	Low		Good	Static conductive, electronics handling
64		4G	High Friction	x	0.17 (4.4)	PVC	194°F (90°C)	V-High		Poor	Dark Green colored, rough top surface, product cushioning, incline / decline apps
65		5G	Chemical Resistant	x	0.05 (1.3)	Polypropylene	248°F (120°C)	Low	x	V-Good	V-Good Cut resistance, excellent product release
66		6G	Chemical Resistant	x	0.07 (1.7)	Polyester	212°F (100°C)	Med.	x	V-Good	Good Cut resistance, metal stamping apps
67		7G	Low Friction Cleated	x	0.06 (1.6)	Polyester	212°F (100°C)	n/a	x	Good	Excellent product release, consult factory for part number and how to specify low friction
68	G8		FDA Encased**	x	0.06 (1.5)	Urethane	176°F (80°C)	Low	x	Good	Urethane enclosed for added sanitary protection
69	G9		FDA Encased**	x	0.09 (2.2)	Urethane	212°F (100°C)	Med.	x	Good	Urethane enclosed for added sanitary protection

Dim = in (mm)

Note: Plastic Clipper splice requires longer lead times.

Note: Belts with V-guiding may have a slight high spot or rib on the top surface. This rib would run longitudinally along the center of the belt. Consult factory with applications for which this may cause interference.

* 12" (305 mm) wide conveyor maximum for non V-guided

** Not available on 1.75" (44 mm) wide conveyors.

2200 & 2300 BELT SERIES: MODULAR PLASTIC BELTING



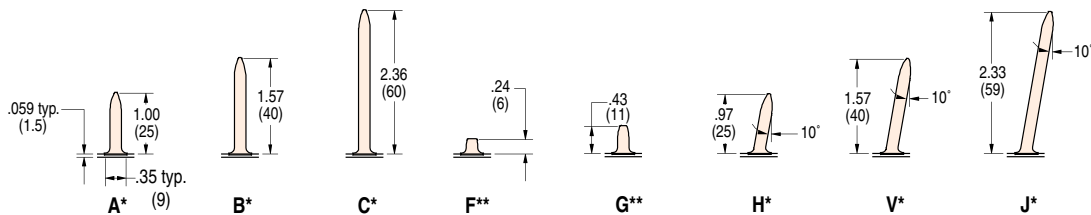
Modular Plastic Belt Selection Guide

Belt Type	Description	% Open	Color	Material	Maximum Part Temperature	Coefficient of Friction vs Steel	FDA Approved	Chemical Resistance	
Flat Belt	30	Accumulation, Open Mesh	26%	White	Acetal-Teflon	180° F (82° C)	0.22	Yes	Good
	31	Chemical Resistant, Open Mesh	26%	White	Compounded Polypropylene	220° F (104° C)	0.35	Yes	Very Good
	32	Heat Resistant, Open Mesh	26%	Black	Nylon	375° F (190° C)	0.30	No	Good
	33	Electrically Conductive, Open Mesh*	26%	Black	Acetal	180° F (82° C)	0.30	No	Good
	40	Accumulation, Closed Mesh	n/a	White	Acetal-Teflon	180° F (82° C)	0.22	Yes	Good
	41	Chemical Resistant, Closed Mesh	n/a	White	Compounded Polypropylene	220° F (104° C)	0.35	Yes	Very Good
	42	Heat Resistant, Closed Mesh	n/a	Black	Nylon	375° F (190° C)	0.30	No	Good
	43	Electrically Conductive, Closed Mesh*	n/a	Black	Acetal	180° F (82° C)	0.30	No	Good
Cleated Belt	34	General Purpose, Open Mesh	26%	White	Acetal-Teflon	180° F (82° C)	0.22	Yes	Good
	35	Chemical Resistant, Open Mesh	26%	White	Compounded Polypropylene	220° F (104° C)	0.35	Yes	Very Good
	36	Heat Resistant, Open Mesh	26%	Black	Nylon	375° F (190° C)	0.30	No	Good
	44	General Purpose, Closed Mesh	n/a	White	Acetal-Teflon	180° F (82° C)	0.22	Yes	Good
	45	Chemical Resistant, Closed Mesh	n/a	White	Compounded Polypropylene	220° F (104° C)	0.35	Yes	Very Good
	46	Heat Resistant, Closed Mesh	n/a	Black	Nylon	375° F (190° C)	0.30	No	Good
Sidewall Cleated Belt	37	General Purpose, Open Mesh	26%	White	Acetal-Teflon	180° F (82° C)	0.22	Yes	Good
	38	Chemical Resistant, Open Mesh	26%	White	Compounded Polypropylene	220° F (104° C)	0.35	Yes	Very Good
	47	General Purpose, Closed Mesh	n/a	White	Acetal-Teflon	180° F (82° C)	0.22	Yes	Good
	48	Chemical Resistant, Closed Mesh	n/a	White	Compounded Polypropylene	220° F (104° C)	0.35	Yes	Very Good

* Conveyor is equipped with black UHMW electrically conductive wear strips.

Do not use in explosive environment.

STANDARD CLEATS



- * Maximum 20" (508 mm) cleat spacing for 18" and wider conveyors with lengths greater than 7' (2,134 mm)
- ** 18" and wider conveyors have a maximum length of 7' (2,134 mm)

Base Belt Material: 0.059 (1.5 mm) thick, high friction FDA approved urethane, 176°F (80°C) maximum part temperature. See Specialty Belt 67 for low friction base belt material.

Note: Minimum cleat spacing is approximately 2" (51 mm). Consult Factory.

2200 & 2300 BELT SERIES: GEARMOTOR MOUNTING PACKAGES

GEARMOTOR MOUNTING PACKAGE & GEARMOTOR SELECTION STEPS

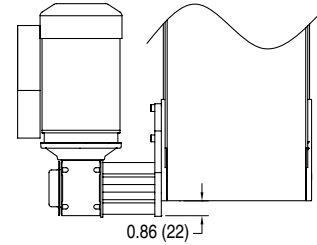
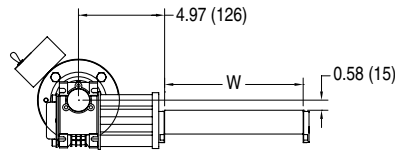
- Step 1:** Select a **Gearmotor Mounting Package**. For End drive conveyors, select a side, bottom, top, flush or gang drive mount (pages 40-45). If a Center Drive conveyor is being outfitted, refer to the Center Drive section on page 46. Be sure to note if it is for a **90°** or **Parallel Shaft Gearmotor**.
- Step 2:** Using **Belt Speed and Load** Requirements, determine the required **Gearmotor Type** (Light, Heavy or Standard) for your application using the chart below.
- Step 3:** Find the appropriate set of Belt Speed Charts (pages 42, 43 and 45) for the Mounting Package you selected and choose between the **Fixed** or **Variable Speed** chart.
- Step 4:** Go down the first column of the Belt Speed Chart and locate the required **Belt Speed** for your application. If the desired belt speed is not listed, round up to the next higher speed.
(Dorner offers much more than just the belt speeds listed in the tables, contact the factory for complete details)
- Step 5:** From the row containing your required **Belt Speed**, check to be sure that speed is available for the **Mount Package** you chose. (End Drive Only - Top, Bottom or Side)
- Step 6:** Use the Drive / Driven Pulley Kit combination to complete your Mounting Package Part Number
- Step 7:** Note the **RPM from Gearmotor**, it will be needed to select the correct Gearmotor from the Gearmotor Chart.
- Step 8:** Reference the **Gearmotor Chart #** to locate a compatible Gearmotor Chart on pages 52-56. Be sure to select a Gearmotor Chart to match your **Gearmotor Type** (Light, Standard or Heavy) and your **Mounting Package** while meeting your electrical requirements.
(Red = Parallel Shaft or Blue = 90°)
- Step 9:** Using the **RPM from Gearmotor** (Step 6), locate the **Part Number** for your Gearmotor from the Gearmotor Table.

	GEARMOTOR TYPE		Conveyor Load - Lbs (Kg)											
	Light Load	Standard Load	10 (4.5)	20 (9.1)	30 (13.6)	40 (18.2)	50 (22.7)	60 (27.3)	70 (31.8)	80 (36.4)	90 (40.9)	100 (45.5)	110 (50)	120 (54.5)
	Heavy Load													
Belt Speed - Ft/min (m/min)	0-15 (0-4.6)													
	16-30 (4.9-9.1)													
	31-45 (9.5-13.7)													
	46-60 (14-18.3)													
	61-75 (18.6-22.9)													
	76-90 (23.2-27.4)													
	91-110 (27.7-33.5)													
	111-130 (33.8-39.6)													
	131-150 (39.9-45.7)													
	151-175 (46-53.4)													
	176-200 (53.7-61)													
	201-225 (61.3-68.6)													
	226-250 (68.9-76.2)													
251-275 (76.5-83.8)														

Gearmotor Mounting Package Selection Guide		APPLICATION										
		Wet Products / Environments	3" (76) and taller products	Manual / Automated Assembly	Table top mounting	Tight machine interface	Aesthetics	Driving multiple conveyors	Clearance at discharge	Operator Ergonomics	Test and Inspect	Metal Forming
MOUNT PACKAGE	Side Mount Package	X	X		X				X			
	Top Mount Package	X			X				X			
	Bottom Mount Package		X	X			X		X	X		
	Center Drive Conveyor					X			X	X		
	Flush Mount								X	X		X
	Gang Drive Mount Package							X			X	
	Common Drive Package							X				

2200 & 2300 BELT SERIES: END DRIVE MOUNTING PACKAGES

Side Mount Package, 90° Gearmotor

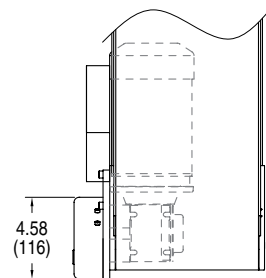
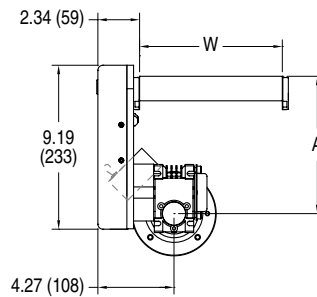


W = Conveyor Belt Width

Standard load gearmotors only

- Includes gearmotor mounting bracket, coupling, coupling guard and mounting hardware

Bottom Mount Package, 90° Gearmotor

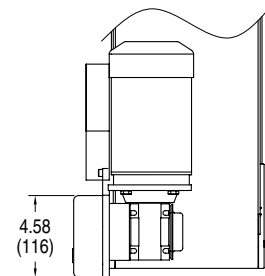
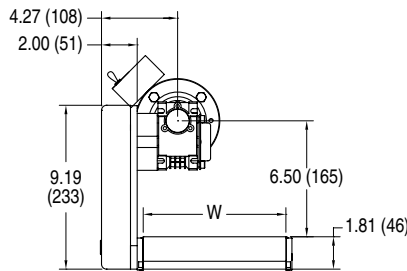


A: Standard Load Flat Belt = 5.33 (135)
Standard Load Cleated Belt = 7.70 (195)

W = Conveyor Belt Width

- Includes gearmotor mounting bracket, timing belt and pulleys, guard cover and mounting hardware

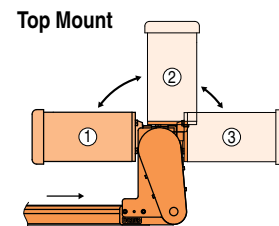
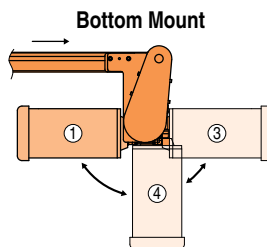
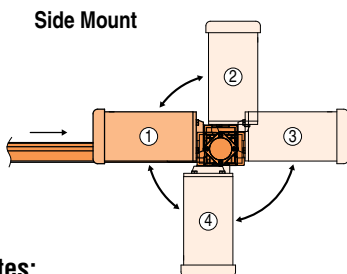
Top Mount Package, 90° Gearmotor



W = Conveyor Belt Width

- Includes gearmotor mounting bracket, timing belt and pulleys, guard cover and mounting hardware

90° Standard Load Gearmotor Location Options



Notes:

- Position 1 recommended
- Vertical positions 2 and 4 may require additional stabilizing bracket

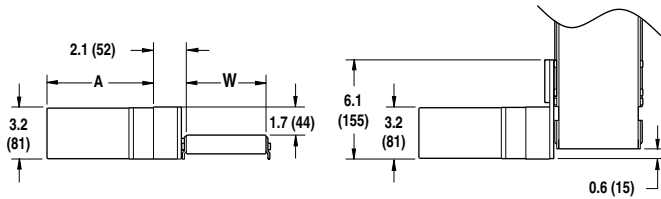
Consult factory for details

Note: Conveyor and gearmotor are not included in the mounting package and must be ordered separately. Dimensions = in (mm)

For ordering information, see page 73

2200 & 2300 BELT SERIES: END DRIVE MOUNTING PACKAGES

Side Mount Package, Parallel Shaft Gearmotor



- A:** Light Load, Fixed Speed and VFD Variable Speed = 4.6 (117)
 Light Load, DC Variable = 6.7 (170)
 Light Load CE Fixed Speed = 7.2 (183)

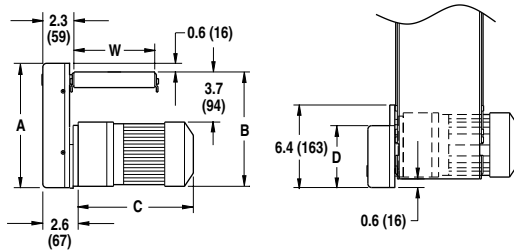


Light load gearmotors only

- Includes gearmotor mounting bracket, coupling, coupling guard and mounting hardware

W = Conveyor Belt Width

Bottom Mount Package, Parallel Shaft Gearmotor



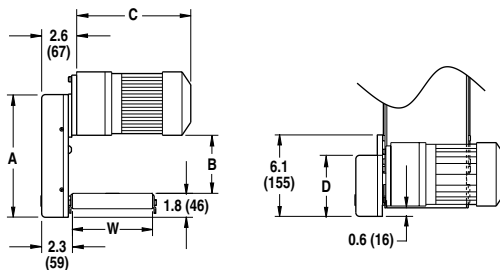
- | | | | | | |
|-----------|----------------------------|--------------|-----------|--|--------------|
| A: | Light Load Flat Belt | = 6.9 (175) | C: | Light Load, Fixed Speed and VFD Variable Speed | = 4.6 (117) |
| | Light Load Cleated Belt | = 8.9 (226) | | Light Load, DC Variable Speed | = 6.7 (170) |
| | Standard Load Flat Belt | = 9.2 (234) | | Standard Load | = 10.5 (267) |
| | Standard Load Cleated Belt | = 9.2 (234) | | | |
| B: | Light Load Flat Belt | = 6.2 (158) | D: | Light Load Flat Belt | = 6.1 (155) |
| | Light Load Cleated Belt | = 8.3 (211) | | Light Load Cleated Belt | = 5.6 (142) |
| | Standard Load Flat Belt | = 8.5 (216) | | Standard Load Flat Belt | = 4.6 (116) |
| | Standard Load Cleated Belt | = 10.3 (262) | | Standard Load Cleated Belt | = 4.6 (116) |



- Includes gearmotor mounting bracket, timing belt and pulleys, guard cover and mounting hardware

W = Conveyor Belt Width

Top Mount Package, Parallel Shaft Gearmotor



- | | | | | | |
|-----------|---------------|---------------|-----------|--|--------------|
| A: | Light Load | = 8.9 (226) | C: | Light Load, Fixed Speed and VFD Variable Speed | = 4.6 (117) |
| | Standard Load | = 9.2 (234) | | Light Load, DC Variable Speed | = 6.7 (170) |
| B: | Light Load | = 3.3 (84) | | Standard Load | = 10.5 (267) |
| | Standard Load | = 4.3 (110) | D: | Light Load | = 5.6 (142) |
| | | Standard Load | | = 4.6 (116) | |



- Includes gearmotor mounting bracket, timing belt and pulleys, guard cover and mounting hardware

W = Conveyor Belt Width

Note: Conveyor and gearmotor are not included in the mounting package and must be ordered separately. Dimensions = in (mm)

For ordering information, see page 73

2200 & 2300 BELT SERIES: END DRIVE BELT SPEED CHARTS

Refer to the Gearmotor Selection Steps on page 39 for instructions on using the Belt Speed Charts.

Fixed Speed									
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart #		
Ft/min	m/min		Top & Bottom	Side	Drive Pulley	Driven Pulley	Light Load	Std. Load	Heavy Load
2	0.6	10	x		22	32		5	
3	0.9	10	x		28	28		5	
5	1.5	10	x		44	22		5	
6	1.8	29	x		19	32		4	12, 13
10	3.0	29	x	x	28	28		4, 5	12, 13
13	4.0	42	x		28	32	1		
15	4.6	42	x	x	28	28	1		
15	4.6	43	x	x	28	28		4	12, 13
16	4.9	29	x		44	28		4, 5	12, 13
21	6.4	42	x		32	22	1		
24	7.3	43	x		44	28		4	12, 13
29	8.8	42	x		44	22	1		
30	9.1	86	x	x	28	28		4, 5	12, 13
35	10.7	100	x	x	28	28	1		
48	14.6	86	x		44	28		4, 5	12, 13
55	16.8	100	x		44	28	1		
61	18.6	173	x	x	28	28		4, 5	12, 13
95	29.0	173	x		44	28		4, 5	12, 13
104	31.7	173	x		48	28		4, 5	12, 13
121	36.9	345	x	x	28	28		4, 5	12, 13
138	42.1	345	x		32	28		4, 5	12, 13
176	53.6	345	x		32	22		4, 5	12, 13
208	63.4	345	x		48	28		4, 5	12, 13
242	73.8	345	x		44	22		4, 5	12, 13
264	80.5	345	x		48	22		4, 5	12, 13
CE Gearmotor RPM at 50 Hz									
5	1.5	23*	x		19	32		6	
8	2.4	23*	x	x	28	28		6	
12	3.7	35*	x	x	28	28		6	
19	5.8	35*	x		44	28			
21	6.4	41*	x		32	22	2		
25	7.6	70*	x	x	28	28		6	
39	11.9	70*	x		44	28		6	
49	14.9	140*	x	x	28	28		6	
50	15.2	144*	x	x	28	28	2		
77	23.5	140*	x		44	28		6	
96	29.3	280*	x	x	28	28		6	
112	34.1	280*	x		32	28		6	
143	43.6	280*	x		32	22		6	
169	51.5	280*	x		48	28		6	
197	60.0	280*	x		44	22		6	
214	65.2	280*	x		48	22		6	
268	81.7	280*	x		60	22		6	

Variable Speed									
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart #		
Ft/min	m/min		Top & Bottom	Side	Drive Pulley	Driven Pulley	Light Load	Std. Load	Heavy Load
0.4 - 3.4	0.1 - 1.0	14	x		22	32		10	
0.6 - 5	0.2 - 1.5	14	x		28	28		10	
0.6 - 6	0.2 - 1.8	29	x		19	32		8	15, 16
1 - 10	0.3 - 3.1	29	x		28	28		8, 11	15, 16
1.8 - 14	0.5 - 4.5	42	x	x	28	28	3	7, 10	14
1.5 - 15	0.5 - 4.6	43	x		28	28		9	15, 16
2.6 - 22	0.8 - 6.7	63	x	x	28	28		8	14
2.8 - 23	0.8 - 7	42	x		44	28	3	8	14
3.5 - 29	1.1 - 9	83	x		28	28		11	
3 - 30	0.9 - 9.2	86	x		28	28		8, 11	15, 16
5.3 - 44	1.6 - 13	125	x	x	28	28		7, 10	14
6 - 49	1.8 - 15	139	x	x	28	28	3		
6 - 60	1.8 - 18	173	x		28	28		8, 11	15, 16
9 - 77	2.8 - 23	139	x		44	28	3		
10 - 88	3.2 - 27	250	x	x	28	28		7, 10	14
10 - 104	3.2 - 32	173	x		48	28		8, 11	15, 16
12 - 121	3.7 - 37	345	x		28	28		8, 11	15, 16
17 - 138	5 - 42	250	x		44	28		7, 10	14
21 - 176	6.4 - 54	500	x	x	28	28		7, 10	14
26 - 264	8.1 - 81	345	x		48	22		8, 11	15, 16
33 - 276	10 - 84	500	x		44	28		7, 10	14
CE RPM from CE/50 Hz gearmotors VFD drive at 63 Max. Hz. output									
2.4 - 6	0.7 - 1.9	23*	x		19	32		9	
4.1 - 10	1.2 - 3.1	23*	x	x	28	28		9	
6 - 15	1.9 - 4.7	35*	x	x	28	28		9	
12 - 31	3.7 - 9.4	70*	x	x	28	28		9	
25 - 62	7.5 - 19	140*	x	x	28	28		9	
39 - 97	12 - 30	140*	x		44	28		9	
49 - 124	15 - 38	280*	x	x	28	28		9	
77 - 195	23 - 59	280*	x		44	28		9	
107-270	33 - 82	280*	x		48	22		9	

Note: Nose Bar transfers operate at maximum 77 ft/min (23.5 m/min) belt speed

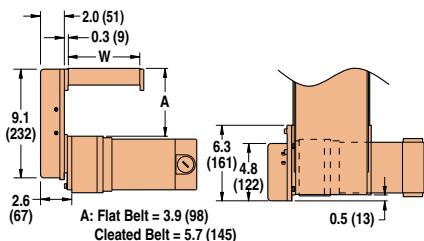
Red = Parallel Shaft, Blue = 90°

2200 & 2300 BELT SERIES: FLUSH BOTTOM MOUNTING PACKAGES

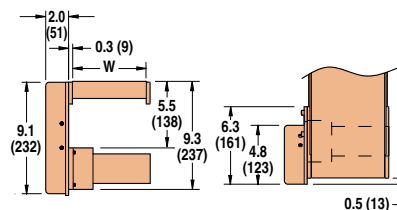
Refer to the Gearmotor Selection Steps on page 39 for instructions on using the Belt Speed Charts.

Flush Bottom Mount Package, Parallel Shaft Gearmotor

Standard Load

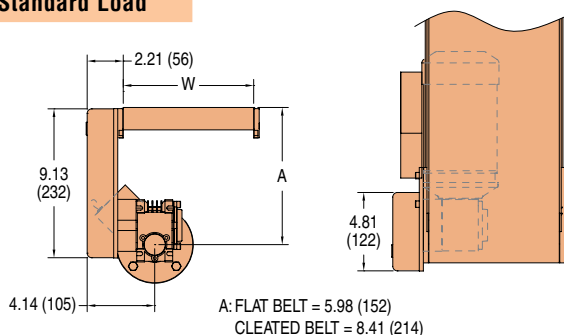


Light Load

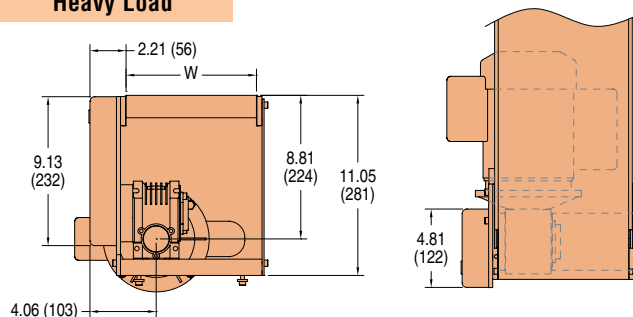


Flush Bottom Mount Package, 90° Gearmotor

Standard Load



Heavy Load



Product Applications/Uses:

- Wide product transfers
- Product stops/escapements
- Product detection
- Lift stations
- Sheet handling

Fixed Speed

Belt Speed		RPM From Gearmotor	Pulley Kit		Gearmotor Chart #		
Ft/min	m/min		Drive Pulley	Driven Pulley	Light Load	Standard Load	Heavy Load
5.9	1.8	10	28	16		5	
10.1	3.1	10	48	16		5	
18	5.4	29	28	16		4, 5	12, 13
28	8.5	29	44	16		4, 5	12, 13
25	7.8	42	28	16	1		
40	12.3	42	44	16	1		
41	12.7	43	44	16		4	12, 13
55	16.9	58	44	16		5	
83	25.4	86	44	16		4, 5	12, 13
106	32.3	173	28	16		4, 5	12, 13
167	50.8	173	44	16		4, 5	12, 13
212	64.6	345	28	16		4, 5	12, 13

CE Gearmotor RPM at 50 Hz.

14	4.4	23	28	16		6	
23	6.9	23	44	16		6	
34	10.3	35	44	16		6	
25	7.7	41	28	16	2		
39	12	41	44	16	2		
43	13.1	70	28	16		6	
67	20.6	70	44	16		6	
86	26.2	140	28	16		6	
135	41.2	140	44	16		6	
172	52.4	280	28	16		6	
270	82.4	280	44	16		6	

Variable Speed

Belt Speed		RPM From Gearmotor	Pulley Kit		Gearmotor Chart #		
Ft/min	m/min		Drive Pulley	Driven Pulley	Light Load	Standard Load	Heavy Load
1.6 - 13	0.5 - 4.1	14	44	16		10	
2.8 - 28	0.8 - 8.5	29	44	16		8, 11	15, 16
3.1 - 26	0.9 - 7.8	42	28	16	3	7, 10	14
4.8 - 40	1.5 - 12	42	44	16	3	7, 10	14
4.2 - 42	1.3 - 13	43	44	16		8	15, 16
7 - 60	2.2 - 18	63	44	16		7	14
10 - 81	2.9 - 25	83	44	16		10	
8 - 83	2.5 - 25	86	44	16		8, 11	15, 16
14 - 121	4.4 - 37	125	44	16		7, 10	14
10 - 85	3 - 26	139	28	16	3		
17 - 177	5 - 50	173	44	16		8, 11	15, 16
21 - 212	6 - 65	345	28	16		8, 11	15, 16
29 - 241	9 - 74	250	44	16		7, 10	14

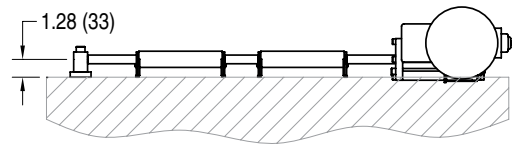
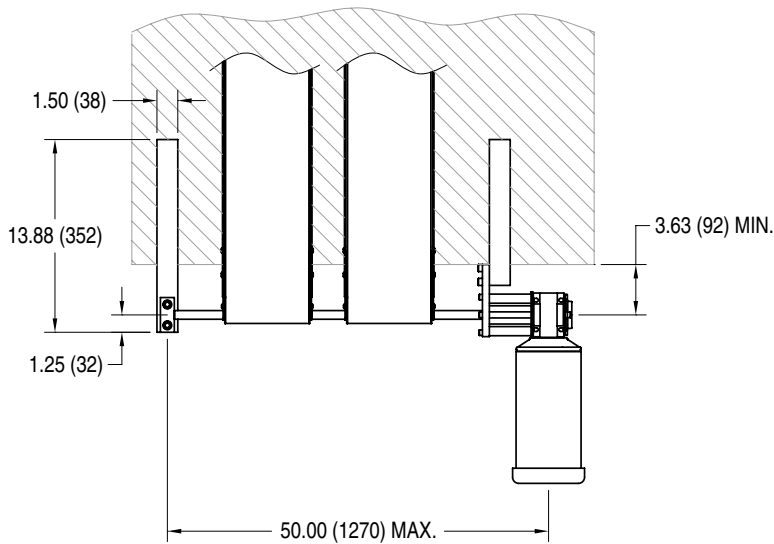
CE Gearmotor RPM at 50 Hz.

7 - 18	2.2 - 5	23	28	16		9	
11 - 28	3.4 - 9	23	44	16		9	
17 - 43	5 - 13	35	44	16		9	
34 - 85	10 - 26	70	44	16		9	
43 - 108	13 - 33	140	28	16		9	
68 - 170	21 - 52	140	44	16		9	
86 - 216	26 - 66	280	28	16		9	

Note: Nose Bar transfers operate at maximum 77 ft/min (23.5 m/min) belt speed

Red = Parallel Shaft, Blue = 90°

2200 & 2300 BELT SERIES: GANG DRIVE MOUNTING PACKAGES



Includes motor mounting bracket, 4' (1219 mm) hex shaft, coupling, shaft guard, support block and support block bracket.

Notes:

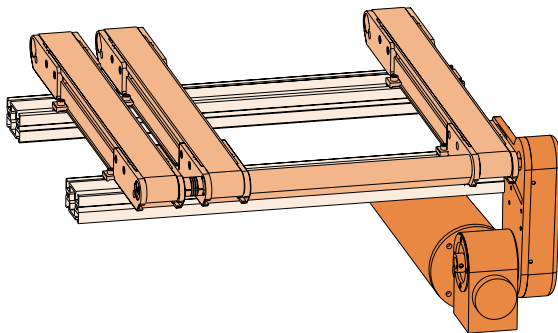
- Conveyors cannot be secured to bolster plate on stands
- Order conveyor with gang drive option separately
- Order garmotor separately (90° Standard and Heavy Load only)
- Positions 2 and 3 recommended

Note: Dimensions = in (mm)



For ordering information, see page 74

COMMON DRIVE SET-UP



Includes mounting structure, drive shaft, shaft guard and conveyor mounting hardware. Consult factory with conveyor and spacing details for complete application review. Conveyors are secured to sub-structure at fixed centerline locations.

2200 Series common drive set ups can be customized to your exact specifications, just provide the conveyor widths, lengths, quantity and centerline spacing. Available with top, bottom or side mount packages for standard or heavy load garmotors. Consult factory with details.

2200 & 2300 BELT SERIES: GANG & CENTER DRIVE BELT SPEED CHARTS

GANG DRIVE BELT SPEED CHARTS

Fixed Speed

Belt Speed		RPM From Gearmotor	Gearmotor Chart #	
Ft/min	m/min		Standard Load	Heavy Load
8	2.4	29	4, 5	12, 13
12	3.7	42		
12	3.7	43	4	12, 13
25	7.6	86	4, 5	12, 13
29	8.8	100		
49	14.9	173	4, 5	12, 13
99	30.2	345	4, 5	12, 13
CE Gearmotor RPM at 50 Hz				
7	2.1	23	6	
10	3.0	35	6	
12	3.7	41		
20	6.1	70	6	
40	12.2	140	6	
41	12.5	144		
80	24.4	280	6	

Variable Speed

Belt Speed		RPM From Gearmotor	Gearmotor Chart #	
Ft/min	m/min		Standard Load	Heavy Load
1.4 - 12	0.4 - 3.6	42	7, 10	14
2.1 - 18	0.7 - 5.4	63	7	14
4.3 - 36	1.3 - 11	125	7, 10	14
4.8 - 40	1.5 - 12	139		
9 - 71	2.6 - 22	250	7, 10	14
17 - 143	5.2 - 43	500	7, 10	14
CE Gearmotor RPM at 50 Hz				
3.3 - 8	1.0 - 2.6	23	9	
5.0 - 13	1.5 - 3.8	35	9	
10 - 25	3.0 - 7.7	70	9	
20 - 50	6.1 - 15	140	9	
40 - 100	12.2 - 30	280	9	

Note: Nose Bar transfers operate at maximum 77 ft/min (23.5 m/min) belt speed

Red = Parallel Shaft, Blue = 90°

CENTER DRIVE BELT SPEED CHARTS

Fixed Speed

Belt Speed		RPM From Gearmotor	Pulley Kit		Gearmotor Chart #	
Ft/min	m/min		Drive Pulley	Driven Pulley	Standard Load	Heavy Load
2	0.6	10	22	32	5	
3	0.9	10	32	32	5	
6	1.8	29	19	32	4	11, 12
10	3.0	29	32	32	4, 5	11, 12
15	4.6	43	32	32	4	11, 12
20	6.1	58	32	32	5	
23	7.0	43	48	32	4	11, 12
30	9.1	86	32	32	4, 5	11, 12
61	18.6	173	32	32	4, 5	11, 12
91	27.7	173	48	32	4, 5	11, 12
121	36.9	345	32	32	4, 5	11, 12
154	46.9	345	28	22	4, 5	11, 12
181	55.2	345	48	28	4, 5	11, 12
208	63.4	345	48	28	4, 5	11, 12
264	80.5	345	48	22	4, 5	11, 12
CE Gearmotor RPM at 50 Hz.						
5	1.5	23	19	32	6	
8	2.4	23	32	32	6	
12	3.7	35	32	32	6	
18	5.5	35	48	32	6	
25	7.6	70	32	32	6	
37	11.3	70	48	32	6	
49	14.9	140	32	32	6	
74	22.6	140	48	32	6	
98	29.9	280	32	32	6	
148	45.1	280	48	32	6	
169	51.5	280	48	28	6	
214	65.2	280	48	22	6	
248	75.6	280	48	19	6	

Note: Nose Bar transfers operate at maximum 77 ft/min (23.5 m/min) belt speed

Red = Parallel Shaft, Blue = 90°

Variable Speed

Belt Speed		RPM From Gearmotor	Pulley Kit		Gearmotor Chart #	
Ft/min	m/min		Drive Pulley	Driven Pulley	Standard Load	Heavy Load
0.4 - 3.4	0.1 - 1.0	14	22	32	10	
0.6 - 4.9	0.2 - 1.5	14	32	32	10	
0.7 - 6	0.2 - 1.8	29	19	32	8	15, 16
1.0 - 9	0.3 - 2.6	42	19	32	7, 10	14
1.2 - 10	0.4 - 3.1	29	32	32	8, 11	15, 16
1.8 - 15	0.5 - 4.5	42	32	32	7, 10	14
1.8 - 15	0.6 - 4.6	43	32	32	8	15, 16
2.6 - 22	0.8 - 6.7	63	32	32	7	14
3.5 - 29	1.1 - 9	83	32	32	10	
3.6 - 30	1.1 - 9.2	86	32	32	8, 11	15, 16
5.3 - 44	1.6 - 13	125	32	32	7, 10	14
7 - 61	2.2 - 18	173	32	32	8, 11	15, 16
10 - 88	3.2 - 27	250	32	32	7, 10	14
12 - 104	3.8 - 32	173	48	28	8, 11	15, 16
14 - 121	4.4 - 37	345	32	32	8, 11	15, 16
18 - 150	5.5 - 46	250	48	28	7, 10	14
21 - 176	6.4 - 54	500	32	32	7, 10	14
23 - 190	7 - 58	345	44	28	8, 11	15, 16
27 - 224	7.3 - 61	500	28	22	7, 10	14
29 - 242	9 - 74	345	44	22	8, 11	15, 16
31 - 255	9.3 - 78	500	32	22	7, 10	14

CE RPM from 50 Hz. gearmotors, VFD drive at 63 max. Hz. output.

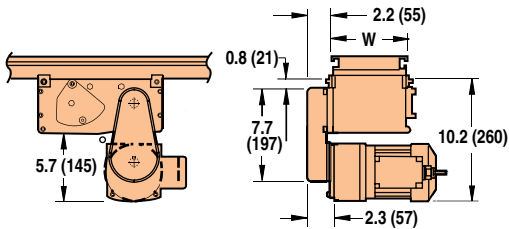
2.4 - 6	0.7 - 1.9	23	19	32	9	
4.1 - 10	1.2 - 3.1	23	32	32	9	
6 - 16	1.6 - 4.7	35	32	32	9	
12 - 31	3.7 - 9.4	70	32	32	9	
24 - 62	7.5 - 19	140	32	32	9	
37 - 93	11 - 28	140	48	32	9	
49 - 124	15 - 38	280	32	32	9	
74 - 186	22 - 57	280	48	32	9	
98 - 248	30 - 76	280	44	22	9	

2200 & 2300 BELT SERIES: CENTER DRIVE MOUNTING PACKAGES

Refer to the Gearmotor Selection Steps on page 39 for instructions on using the Belt Speed Charts.

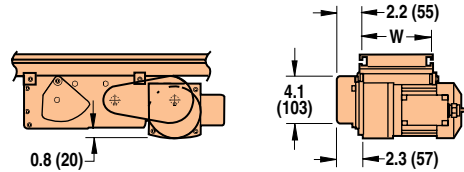
TYPE 1 - Vertical Mount

Parallel Shaft Gearmotor

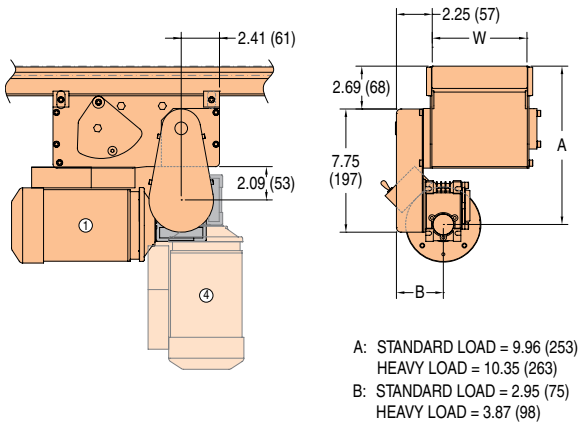


TYPE 2 - Horizontal Mount

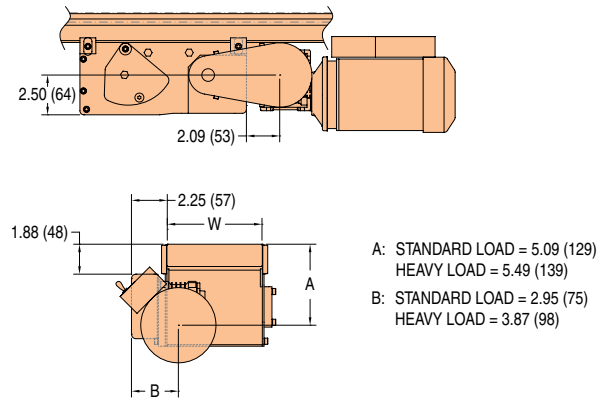
Parallel Shaft Gearmotor



90° Gearmotor



90° Gearmotor



TYPE 2 recommended for tight spaces and allows for easy access to the drive module.

* Gearmotor not included in mounting package, see page 51 for gearmotor ordering information. Dimensions = in (mm)

For ordering information, see page 74

GEARMOTOR MOUNTING PACKAGE & GEARMOTOR SELECTION STEPS

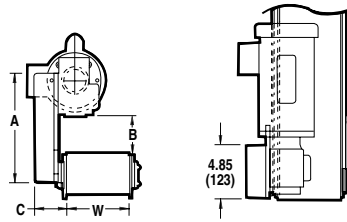
- Step 1:** Select a **Gearmotor Mounting Package**. For End drive conveyors, select a side, bottom, top, flush (pages 48-49). Be sure to note if it is for a **90°** or **Parallel Shaft Gearmotor**.
- Step 2:** Using **Belt Speed and Load** Requirements, determine the required **Gearmotor Type** (Light, Heavy or Standard) for your application using the chart below.
- Step 3:** Go to the set of Belt Speed Charts on page 50 and choose between the **Fixed** or **Variable Speed** chart.
- Step 4:** Go down the first column of the Belt Speed Chart and locate the required **Belt Speed** for your application. If the desired belt speed is not listed, round up to the next higher speed.
(Dorner offers much more than just the belt speeds listed in the tables, contact the factory for complete details)
- Step 5:** From the row containing your required **Belt Speed**, check to be sure that speed is available for the **Mount Package** you chose. (End Drive Only - Top, Bottom or Side)
- Step 6:** Use the Drive / Driven Pulley Kit combination to complete your Mounting Package Part Number
- Step 7:** Note the **RPM from Gearmotor**, it will be needed to select the correct Gearmotor from the Gearmotor Chart.
- Step 8:** Reference the **Gearmotor Chart #** to locate a compatible Gearmotor Chart on pages 52-56. Be sure to select a Gearmotor Chart to match your **Gearmotor Type** (Light, Standard or Heavy) and your **Mounting Package** while meeting your electrical requirements.
(Red = Parallel Shaft or Blue = 90°)
- Step 9:** Using the **RPM from Gearmotor** (Step 6), locate the **Part Number** for your Gearmotor from the Gearmotor Table.

	GEARMOTOR TYPE	Conveyor Load - Lbs (Kg)											
		Conveyor Load - Lbs (Kg)											
		Light Load	20 (9.1)	30 (13.6)	40 (18.2)	50 (22.7)	60 (27.3)	70 (31.8)	80 (36.4)	90 (40.9)	100 (45.5)	110 (50)	120 (54.5)
		Standard Load	10 (4.5)	20 (9.1)	30 (13.6)	40 (18.2)	50 (22.7)	60 (27.3)	70 (31.8)	80 (36.4)	90 (40.9)	100 (45.5)	110 (50)
Belt Speed - Ft/min (m/min)	Heavy Load												
	0-15 (0-4.6)												
	16-30 (4.9-9.1)												
	31-45 (9.5-13.7)												
	46-60 (14-18.3)												
	61-75 (18.6-22.9)												
	76-90 (23.2-27.4)												
	91-110 (27.7-33.5)												
	111-130 (33.8-39.6)												
	131-150 (39.9-45.7)												
	151-175 (46-53.4)												
	176-200 (53.7-61)												
	201-225 (61.3-68.6)												
226-250 (68.9-76.2)													
251-275 (76.5-83.8)													

2200 MPB SERIES: GEARMOTOR MOUNTING PACKAGES

Top Mount Package, Standard Load, 90°

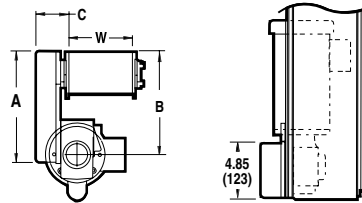
Uses gearmotor type: **S**



- A:** Flat Belt = 9.13" (232)
Cleated Belt = 12.69" (322)
- B:** Flat Belt = 3.17" (81)
Cleated Belt = 4.37" (111)
- C:** Flat Belt = 2.74" (69)
Cleated Belt = 3.48" (88)

Bottom Mount Package, Standard Load, 90°

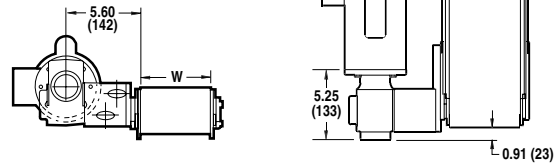
Uses gearmotor type: **S**



- A:** Flat Belt = 9.13" (232)
Cleated Belt = 12.69" (322)
- B:** Flat Belt = 8.46" (215)
Cleated Belt = 9.73" (247)
- C:** Flat Belt = 2.74" (69)
Cleated Belt = 3.48" (88)

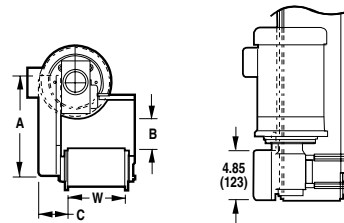
Side Mount Package, Standard Load, 90°

Uses gearmotor type: **S**



Top Mount Package, Heavy Load, 90°

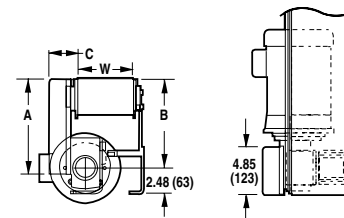
Uses gearmotor type: **H**



- A:** Flat Belt = 9.13" (232)
Cleated Belt = 12.69" (322)
- B:** Flat Belt = 2.78" (71)
Cleated Belt = 4.05" (103)
- C:** Flat Belt = 2.74" (69)
Cleated Belt = 3.48" (88)

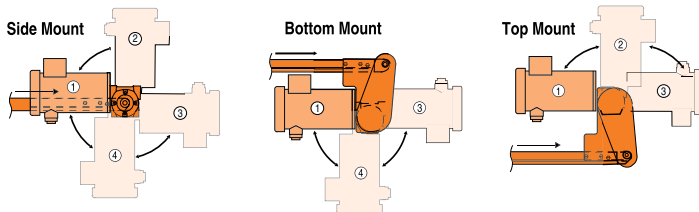
Bottom Mount Package, Heavy Load, 90°

Uses gearmotor type: **H**



- A:** Flat Belt = 9.13" (232)
Cleated Belt = 12.69" (322)
- B:** Flat Belt = 8.46" (215)
Cleated Belt = 9.73" (247)
- C:** Flat Belt = 2.74" (69)
Cleated Belt = 3.48" (88)

90° Gearmotor Location Options



Notes:

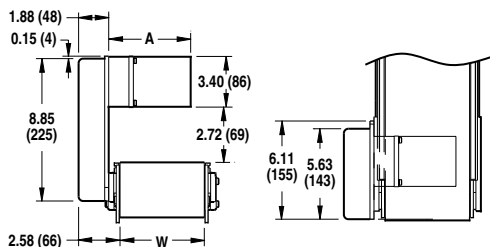
- Position 1 recommended
- Vertical positions 2 and 4 may require additional stabilizing bracket. Consult factory for details.
- Heavy load bottom drive cannot be mounted in Position 4

Note: Dimensions = in (mm)

For ordering information, see page 74

2200 MPB SERIES: GEARMOTOR MOUNTING PACKAGES

Top Mount Package, Light Load, Parallel Shaft



Flat Belt Models Only

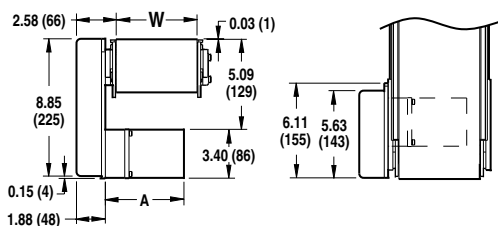


Uses gearmotor type:

L = Fixed Speed
V = Variable Speed

A: Fixed Speed and VFD Variable Speed = 4.61" (117)
DC Variable Speed = 6.69" (170)

Bottom Mount Package, Light Load, Parallel Shaft



Flat Belt Models Only

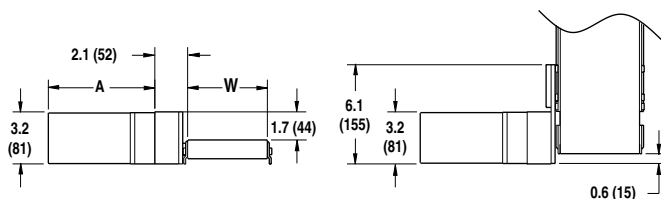


Uses gearmotor type:

L = Fixed Speed
V = Variable Speed

A: Fixed Speed and VFD Variable Speed = 4.61" (117)
DC Variable Speed = 6.69" (170)

Side Mount Package, Light Load, Parallel Shaft

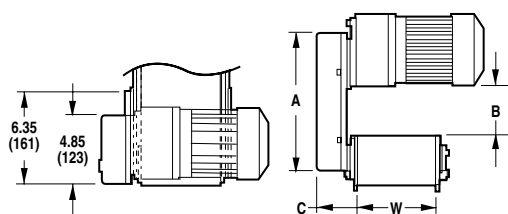


Uses gearmotor type:

L = Fixed Speed
V = Variable Speed

A: Fixed Speed and VFD Variable Speed = 4.61" (117)
DC Variable Speed = 6.69" (170)

Top Mount Package, Standard Load, Parallel Shaft



A: Flat Belt = 9.19" (234)
Cleated Belt = 12.69" (322)

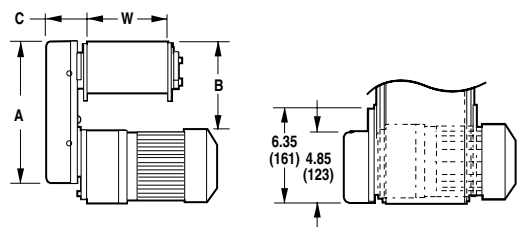
B: Flat Belt = 3.29" (84)
Cleated Belt = 5.09" (129)

C: Flat Belt = 2.74" (69)
Cleated Belt = 3.48" (88)



Uses gearmotor type: **S**

Bottom Mount Package, Standard Load, Parallel Shaft



A: Flat Belt = 9.19" (234)
Cleated Belt = 12.69" (322)

B: Flat Belt = 5.66" (144)
Cleated Belt = 7.47" (190)

C: Flat Belt = 2.74" (69)
Cleated Belt = 3.48" (88)




Uses gearmotor type: **S**


Note: Dimensions = in (mm)

For ordering information, see page 74

2200 MPB SERIES: BELT SPEED CHARTS

Refer to the Gearmotor Selection Steps on page 47 for instructions on using the Belt Speed Charts.

Fixed Speed									
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart #		
Ft/min	m/min		Top & Bottom	Side	Drive Pulley	Driven Pulley	Light Load	Standard Load	Heavy Load
4.5	1.4	10	x		22	32		5	
6.5	2	10	x		28	28		5	
13	4.1	29	x		22	32		4, 5	12, 13
20	6.0	29	x	x	28	28		4, 5	12, 13
25	7.5	42	x		28	32	1		
28	8.6	42	x	x	28	28	1		
29	8.9	43	x	x	28	28		4	12, 13
39	11.9	58	x		28	28		5	
44	13.4	43	x		48	32		4	12, 13
45	13.6	42	x		44	28	1		
57	17.3	42	x		44	22	1		
59	17.9	86	x	x	28	28		4, 5	12, 13
 Gearmotor RPM at 50 Hz.									
11	3.3	23	x		22	32		6	
16	4.8	23	x	x	28	28		6	
24	7.4	35	x	x	28	28		6	
24	7.4	41	x		28	32	2		
28	8.5	41	x	x	28	28	2		
36	10.9	35	x		48	32		6	
44	13.3	41	x		44	28	2		
48	14.5	70	x	x	28	28		6	
56	16.9	41	x		44	22	2		
65	19.9	70	x		44	32		6	

Variable Speed									
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart #		
Ft/min	m/min		Top & Bottom	Side	Drive Pulley	Driven Pulley	Light Load	Standard Load	Heavy Load
1.1 - 9	0.3 - 2.9	14	x		28	28		10	
1.3 - 13.4	0.4 - 4.1	29	x		22	32		8, 11	15, 16
2.0 - 19	0.9 - 5.9	29	x		28	28		8, 11	15, 16
2.3 - 19	0.7 - 5.9	42	x		22	32	3	7, 10	14
3.4 - 28	1 - 8.6	42	x	x	28	28	3	7, 10	14
2.9 - 29	0.9 - 8.9	43	x		28	28		8	15, 16
5.1 - 42	1.6 - 12.9	63	x	x	28	28		7	14
5.3 - 44	1.6 - 13	42	x		44	28	3	7, 10	14
6.8 - 57	2.1 - 17	83	x		28	28		10	
5.9 - 59	1.8 - 18	86	x		28	28		8, 11	15, 16
10 - 85	3 - 26	125	x	x	28	28		7, 10	14
11 - 94	3.5 - 28	139	x	x	28	28	3		
11 - 117	3.6 - 36	173	x		28	28		8, 11	15, 16
15 - 127	4.7 - 39	125	x		48	32		7, 10	14
11 - 148	5 - 45	139	x		44	28	3		
20 - 170	6 - 52	250	x	x	28	28		7, 10	14
17 - 175	5.4 - 54	173	x		48	32		8, 11	15, 16
23 - 234	7.1 - 71	345	x		28	28		8, 11	15, 16
31 - 255	9 - 77	250	x		48	32		7, 10	14
 RPM from 50 Hz. gearmotors. VFD drive at 63 max. Hz. output.									
5.4 - 13.7	1.7 - 4.2	23	x		22	32		9	
7.9 - 20	2.4 - 6.1	23	x	x	28	28		9	
11.9 - 30	3.6 - 9.1	35	x	x	28	28		9	
24 - 60	7.2 - 18	70	x	x	28	28		9	
36 - 90	11 - 27	70	x		48	32		9	
48 - 120	14 - 36	140	x	x	28	28		9	
71 - 180	22 - 55	140	x		48	32		9	
95 - 240	29 - 73	280	x	x	28	28		9	

Note: Red = Parallel Shaft, Blue = 90°

GEARMOTOR SELECTION STEPS

Refer to page **39** and **47** for instructions on Selecting a Gearmotor Mounting Package and Gearmotor.

2200/2300 Belt

	GEARMOTOR TYPE	Conveyor Load - Lbs (Kg)											
		Light Load											
		Standard Load											
Belt Speed - Ft/min (m/min)	Heavy Load	10 (4.5)	20 (9.1)	30 (13.6)	40 (18.2)	50 (22.7)	60 (27.3)	70 (31.8)	80 (36.4)	90 (40.9)	100 (45.5)	110 (50)	120 (54.5)
	0-15 (0-4.6)												
	16-30 (4.9-9.1)												
	31-45 (9.5-13.7)												
	46-60 (14-18.3)												
	61-75 (18.6-22.9)												
	76-90 (23.2-27.4)												
	91-110 (27.7-33.5)												
	111-130 (33.8-39.6)												
	131-150 (39.9-45.7)												
	151-175 (46-53.4)												
	176-200 (53.7-61)												
	201-225 (61.3-68.6)												
226-250 (68.9-76.2)													
251-275 (76.5-83.8)													

2200 MPB

	GEARMOTOR TYPE	Conveyor Load - Lbs (Kg)					
		Light Load					
		Standard Load					
Belt Speed - Ft/min (m/min)	Heavy Load	10 (4.5)	25 (11.4)	50 (22.7)	75 (34.1)	100 (45.5)	125 (58.2)
	0-15 (0-4.6)						
	16-30 (4.6-9.1)						
	31-45 (9.5-13.7)						
	46-60 (14-18.3)						
	61-75 (18.6-22.9)						
	76-90 (23.2-27.4)						
	91-110 (27.7-33.5)						
	111-130 (33.8-39.6)						
	131-150 (39.9-45.7)						
	151-175 (46-53.4)						
	176-200 (53.7-61)						
	201-225 (61.3-68.6)						
226-250 (68.9-76.2)							

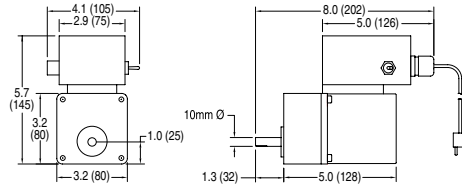
Note: Dimensions = in (mm)

2200 & 2300 SERIES: GEARMOTORS

LIGHT LOAD, FIXED SPEED

Chart 1 Parallel Shaft

- Sealed gearmotor
- Totally enclosed, non-ventilated
- Includes switch, cord and overload protection on 1 Phase unit
- 115V, 1 Phase
- 230V, 3 Phase
- Non-reversing
- 60 Hz

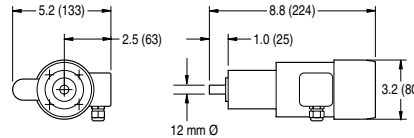


Part Number	RPM	Gearmotor Type	Hp	kW	1 Phase			3 Phase			Starter Chart
					FLA	in.-lbs.	Nm	FLA	in.-lbs.	Nm	
62M036PL4(vp)F(N)	42	L	0.03	0.025	0.46	26	2.9	0.22	37	4.2	H
62M015PL4(vp)F(N)	100	L	0.03	0.025	0.46	12	1.4	0.22	16.8	1.9	H

(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 230V, 3 phase (n) = Reversing capability **N** = No reversing switch **R** = With reversing switch

Chart 2 Parallel Shaft

- Totally enclosed, fan cooled
- IP44 protection rating
- Non-reversing
- 50 Hz
- Order starter separately, see page 58



Part Number	RPM	Gearmotor Type	1Ph kW	1 Ph FLA	3Ph kW	3 Ph FLA	Nm	3 Phase Starter Chart
62Z028PL4(vp)FN	41	L	n/a	n/a	0.020	0.22 / 0.13	3.5	H
62Z008PL421FN	144	L	0.022	0.31	n/a	n/a	0.9	H
62Z008PL4(vp)FN	144	L	n/a	n/a	0.020	0.22 / 0.13	1.2	H

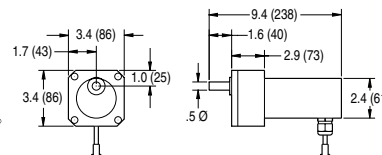
(vp) = Voltage and Phase
23 = 230V, 3 phase 43 = 400V, 3 phase

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

LIGHT LOAD, VARIABLE SPEED

Chart 3 Parallel Shaft

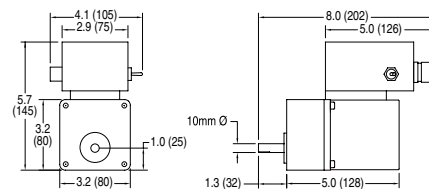
- 130 Volts DC
- Sealed gearmotor
- Totally enclosed, non-ventilated
- 300 - 2500 RPM motor
- Order controller separately, see page 57



Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari - Speed Control Chart
62M018PLD3DEN	139	V	0.06	0.04	0.48	21	2.4	A

Chart 18 Parallel Shaft

- VFD Variable Speed
- 230V, 3 Phase, 10 to 60 Hz
- Totally enclosed, non-ventilated
- Order controller separately, see page 58



Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari - Speed Control Chart
62M015PL423EN	100	L	0.03	0.025	0.22	16.8	1.9	E

FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

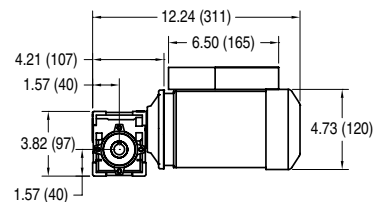
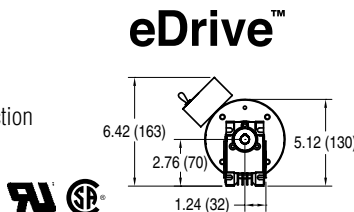
2200 & 2300 SERIES: GEARMOTORS

STANDARD LOAD, FIXED SPEED

Chart 4

90°

- Sealed gearmotor
- NEMA 42 CZ C Face
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 208-230/460 Volts, 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 58



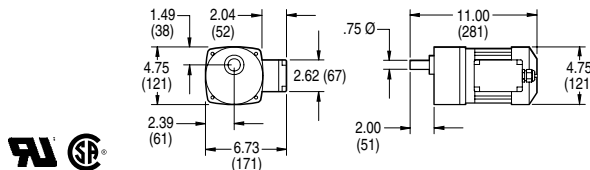
Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm	3 Phase Starter Chart
			Hp	kW	FLA	Hp	kW	FLA			
32M060EL4(vp)FN	29	S	0.25	0.19	5	0.25	0.19	1.2 / 0.6	226	25.5	L
32M040EL4(vp)FN	43	S	0.25	0.19	5	0.25	0.19	1.2 / 0.6	237	26.8	L
32M020EL4(vp)FN	86	S	0.25	0.19	5	0.25	0.19	1.2 / 0.6	142	16.0	L
32M010EL4(vp)FN	173	S	0.25	0.19	5	0.25	0.19	1.2 / 0.6	78	8.8	L
32M005EL4(vp)FN	345	S	0.25	0.19	5	0.25	0.19	1.2 / 0.6	41	4.6	L

(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 208 - 230 / 460V, 3 phase

Chart 5

Parallel Shaft

- Sealed gearmotor
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 230/460 Volts, 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 58



Part Number	RPM	Gearmotor Type	1 Phase				3 Phase				Nm	3 Phase Starter Chart
			Hp	kW	FLA	in.-lbs.	Hp	kW	FLA	in.-lbs.		
62M180PS4(vp)F(n)	10	S	0.08	0.06	1.2	341	0.17	0.13	1.0 / 0.5	341	38.5	L
62M060PS4(vp)F(n)	29	S	0.17	0.13	1.9	270	0.17	0.13	1.0 / 0.5	270	30.5	L
62M030PS4(vp)F(n)	58	S	0.17	0.13	1.9	135	0.38	0.28	1.9 / 0.95	250	15.3	M
62M020PS4(vp)F(n)	86	S	0.17	0.13	1.9	90	0.38	0.28	1.9 / 0.95	167	10.2	M
62M010PS4(vp)F(n)	173	S	0.17	0.13	1.9	45	0.38	0.28	1.9 / 0.95	115	5.1	M
62M005PS4(vp)F(n)	345	S	0.17	0.13	1.9	25	0.38	0.28	1.9 / 0.95	58	2.8	M

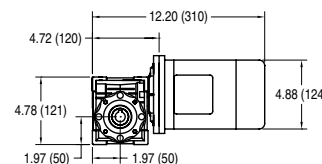
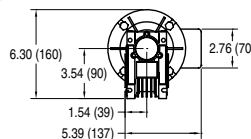
(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 230/460V, 3 phase
(n) = Reversing Capability N = No reversing switch R = With reversing switch (115V, 1 phase only)

Chart 6

CE 90°

- Sealed gearmotor
- IEC 63 B5 C Face
- IP 55 protection rating
- Totally enclosed, fan cooled
- Non-reversing
- 50 Hz
- Order starter separately, see page 58

eDrive™



Part Number	RPM	Gearmotor Type	1Ph kW	1 Ph FLA	3 Ph kW	3 Ph FLA	Nm	Starter Chart
62Z060ES4(vp)FN	23	S	0.18	1.6	0.18	1.4 / 0.8	26.4	I
62Z040ES4(vp)FN	35	S	0.18	1.6	0.18	1.4 / 0.8	28.9	I
62Z020ES4(vp)FN	70	S	0.18	1.6	0.18	1.4 / 0.8	19.4	I
62Z010ES4(vp)FN	140	S	0.18	1.6	0.18	1.4 / 0.8	10.7	I
62Z005ES4(vp)FN	280	S	0.18	1.6	0.18	1.4 / 0.8	5.6	I

(vp) = Voltage and Phase 21 = 230V, 1 phase
23 = 230V, 3 phase 43 = 400V, 3 phase

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

FLA = Full Load Amperes Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures.

Note: Dimensions = in (mm)

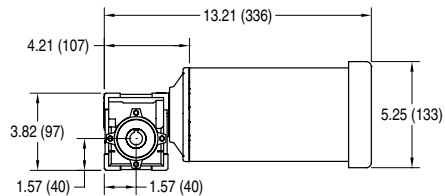
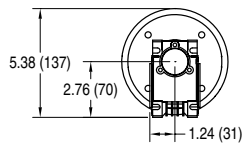
2200 & 2300 SERIES: GEARMOTORS

STANDARD LOAD, VARIABLE SPEED

Chart 7

90°

- 130 Volts DC
- Sealed gearmotor
- NEMA 42 CZ C Face
- Totally enclosed, fan cooled
- 300 - 2500 RPM motor
- Order controller separately, see page 57



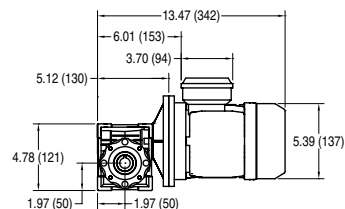
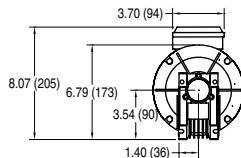
Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari-Speed Control Chart
22M060ESD3DEN	42	S	0.33	0.25	2.3	198	22.4	A
22M040ESD3DEN	63	S	0.33	0.25	2.3	163	18.4	A
22M020ESD3DEN	125	S	0.33	0.25	2.3	98	11.1	A
22M010ESD3DEN	250	S	0.33	0.25	2.3	54	6.1	A
22M005ESD3DEN	500	S	0.33	0.25	2.3	28	3.2	A

Chart 8

90°

- Variable frequency drive, 6 - 60 Hz
- Sealed gearmotor
- NEMA 56C C Face
- Totally enclosed, fan cooled
- 230/460 Volts, 3 phase
- Order controller separately, see pages 57 & 58

eDrive™



Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm*	Vari-Speed Control Chart
32M060EL423EN	29	K	0.5**	0.37	1.6 / 0.97	226	25.5	D and E
32M040EL423EN	43	K	0.5**	0.37	1.6 / 0.97	237	86.8	D and E
32M020EL423EN	86	K	0.5**	0.37	1.6 / 0.97	142	16.0	D and E
32M010EL423EN	173	K	0.5**	0.37	1.6 / 0.97	78	8.8	D and E
32M005EL423EN	345	K	0.5**	0.37	1.6 / 0.97	41	4.6	D and E

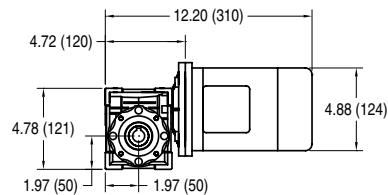
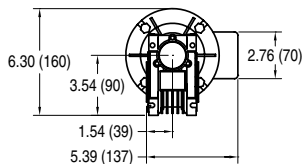
* = At 60 Hz ** = Motor de-rated to 0.25 Hp for full torque throughout speed range.

Chart 9

CE 90°

- Variable frequency drive, 25-63 Hz
- Sealed gearmotor
- IEC 63 B5 C Face
- IP 55 protection rating
- Totally enclosed, fan cooled
- 230/400 Volts, 3 phase
- Order controller separately, see page 57

eDrive™



Part Number	RPM	Gearmotor Type	3 Ph kW	3 Ph FLA	Nm*	Vari-Speed Control Chart
62Z060ES423EN	23	S	0.18	1.4	26.4	B
62Z040ES423EN	35	S	0.18	1.4	28.9	B
62Z020ES423EN	70	S	0.18	1.4	19.4	B
62Z010ES423EN	140	S	0.18	1.4	10.7	B
62Z005ES423EN	280	S	0.18	1.4	5.6	B

* = At 50 Hz

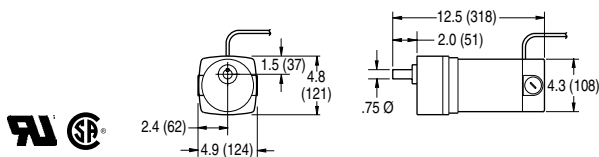
CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

FLA = Full Load Amperes Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures.
Note: Dimensions = in (mm)

STANDARD LOAD, VARIABLE SPEED

Chart 10 Parallel Shaft

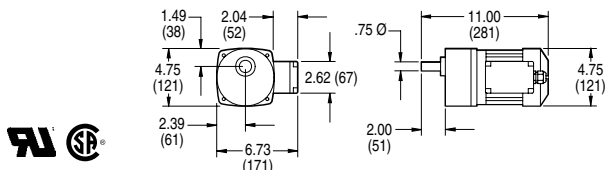
- 130 Volts DC
- Sealed gearmotor
- Totally enclosed, non-ventilated
- 300 - 2500 RPM motor
- Order controller separately, see page 57



Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari - Speed Control Chart
62M180PSD3DEN	14	S	0.12	0.09	1.0	341	38.5	A
62M060PSD3DEN	42	S	0.25	0.19	1.8	270	30.5	A
62M030PSD3DEN	83	S	0.25	0.19	1.8	135	15.3	A
62M020PSD3DEN	125	S	0.25	0.19	1.8	90	10.2	A
62M010PSD3DEN	250	S	0.33	0.25	2.3	72	8.1	A
62M005PSD3DEN	500	S	0.25	0.19	1.8	25	2.8	A

Chart 11 Parallel Shaft

- Variable frequency drive, 10 to 60 Hz
- Sealed gearmotor
- Totally enclosed, fan cooled
- 230/460 Volts / 3 Phase, VFD duty
- Order controller separately, see pages 57 & 58



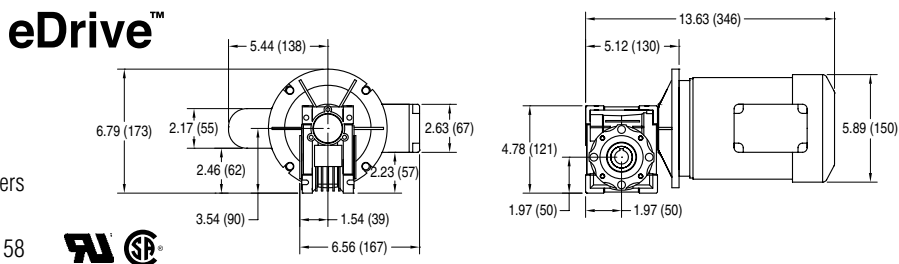
Part Number	RPM*	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari - Speed Control Chart
62M180PS423EN	10	S	0.17	0.13	1.0 / 0.5	341	38.5	D and E
62M060PS423EN	29	S	0.17	0.13	1.0 / 0.5	270	30.5	D and E
62M030PS423EN	58	S	0.38	0.28	1.9 / 0.95	250	28.3	D and E
62M020PS423EN	86	S	0.38	0.28	1.9 / 0.95	167	18.9	D and E
62M010PS423EN	173	S	0.38	0.28	1.9 / 0.95	115	13.0	D and E
62M005PS423EN	345	S	0.38	0.28	1.9 / 0.95	58	6.5	D and E

* = At 60 Hz

HEAVY LOAD, FIXED SPEED

Chart 12 90°

- Sealed gearmotor
- NEMA 56 C Face
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 208-230/460 Volts, 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 58



Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm	3 Phase Starter Chart
			Hp	kW	FLA	Hp	kW	FLA			
32M060ES4(vp)FN	29	H	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	226	25.5	M
32M040ES4(vp)FN	43	H	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	247	27.9	M
32M020ES4(vp)FN	86	H	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	248	27.9	M
32M010ES4(vp)FN	173	H	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	156	17.6	M
32M005ES4(vp)FN	345	H	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	81	9.1	M

(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 208 - 230 / 460V, 3 phase

FLA = Full Load Amperes Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures.
Note: Dimensions = in (mm)

2200 & 2300 SERIES: GEARMOTORS

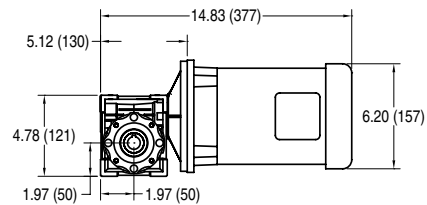
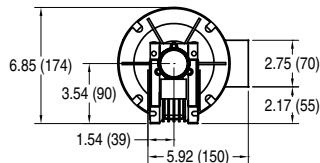
HEAVY LOAD, VARIABLE SPEED

Chart 14

90°

- 90V DC
- Sealed gearmotor
- NEMA 56 C Face
- Totally enclosed, fan cooled
- 300 - 2500 RPM motor
- Order controller separately, see page 57

eDrive™



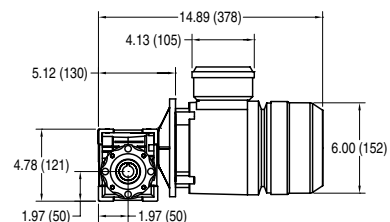
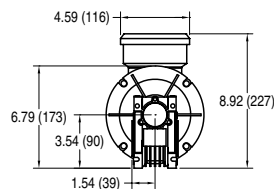
Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari - Speed Control Chart
32M060ESD9DEN	42	H	0.5	0.37	5.0	198	22.4	C
32M040ESD9DEN	63	H	0.5	0.37	5.0	215	24.3	C
32M020ESD9DEN	125	H	0.5	0.37	5.0	196	22.1	C
62M010EHD9DEN	250	H	0.75	0.50	7.5	108	12.2	C
62M005EHD9DEN	500	H	0.75	0.50	7.5	56	6.3	C

Chart 15

90°

- Variable frequency drive, 6 - 60 Hz
- Sealed gearmotor
- NEMA 56 C Face
- Totally enclosed, fan cooled
- 230/460 Volts, 3 Phase
- Order controller separately, see pages 57 & 58

eDrive™



Part Number	RPM*	Gearmotor Type	3 Ph Hp	3 Ph kW	3 Ph FLA	in.-lbs.*	Nm*	Vari - Speed Control Chart
32M060ES423EN	29	H	0.75**	0.55	2.6 / 1.3	226	25.5	D and E
32M040ES423EN	43	H	0.75**	0.55	2.6 / 1.3	247	27.9	D and E
32M020ES423EN	86	H	0.75**	0.55	2.6 / 1.3	248	27.9	D and E
32M010ES423EN	173	H	0.75**	0.55	2.6 / 1.3	156	17.6	D and E
32M005ES423EN	345	H	0.75**	0.55	2.6 / 1.3	81	9.1	D and E

* = At 60 Hz ** = Motor derated to 0.5 hp (2.2 / 1.1 amp) for full torque throughout speed range

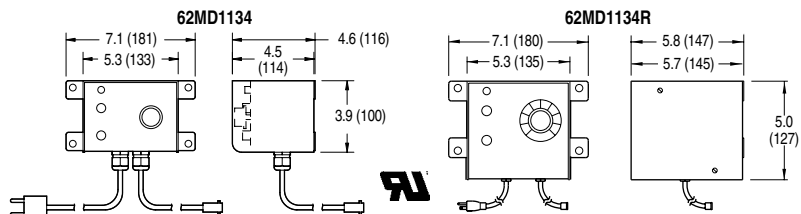
FLA = Full Load Amperes Note: Dimensions = in (mm)

2200 & 2300 SERIES: VARIABLE SPEED CONTROLLERS

VARIABLE SPEED CONTROLLERS

Chart A

- PWM DC control
- Nema 1 enclosure
- Line cord and motor cord
- On/Off switch for 62MD1134
- Forward/Off/Reverse switch for 62MD1134R
- Speed potentiometer
- Mounting hardware



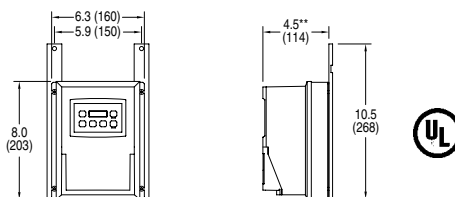
* = See FLA from motor charts

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Max Amps*	Reversing
62MD1134	115	1	60	130VDC	3.2	No
62MD1134R	115	1	60	130VDC	5.0	Yes

Chart B



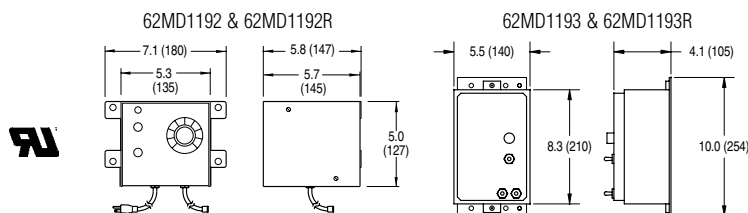
- VFD control
- IP 65 enclosure
- EMC filter
- Mounting hardware
- Variable speed
- Motor cord only on 460V
- Line cord and motor cord



Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Kw*	Max Amps	Reversing
62UV2121	230	1	50	230	3	0.75	4.2	Yes
62UV4341	400	3	50	400	3	0.75	2.1	Yes

Chart C

- PWM DC control
- NEMA 1 enclosure
- Line cord and motor cord
- On/Off switch for 62MD1192 & 62MD1193
- Forward/Off/Reverse switch for 62MD1192R & 62MD1193R
- Speed potentiometer
- Mounting hardware

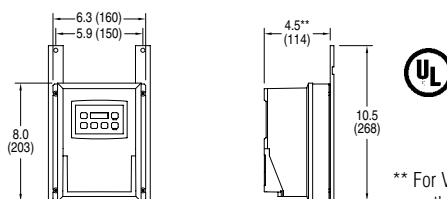


* = See FLA from motor charts

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Max Amps*	Reversing
62MD1192	115	1	60	90VDC	5.0	No
62MD1192R	115	1	60	90VDC	5.0	Yes
62MD1193	115	1	60	90VDC	7.5	No
62MD1193R	115	1	60	90VDC	7.5	Yes

Chart D

- Full feature VFD control
- NEMA 4 enclosure
- Digital display
- Keypad with Start/Stop, Forward/Reverse and speed variations
- Includes cord to motor
- Power to controller by others
- 32MV1122 includes line cord to controller
- Mounting hardware



* = See FLA from motor charts
** For VFD 32MV2127 and 32MV2327 the width dimension is 6.4 (163).

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Hp	Output Amps*	Reversing
32MV1122	115	1	60	230	3	0.5	2.2	Yes
32MV2122	230	1	60	230	3	0.5	2.2	Yes
32MV1121	115	1	60	230	3	1.0	4.0	Yes
32MV2121	230	1	60	230	3	1.0	4.0	Yes
32MV2127**	230	1	60	230	3	2.0	6.8	Yes
32MV2322	230	3	60	230	3	0.5	2.2	Yes
32MV2327**	230	3	60	230	3	2.0	6.8	Yes
32MV4341	460	3	60	460	3	1.0	2.0	Yes
32MV4347	460	3	60	460	3	2.0	3.4	Yes

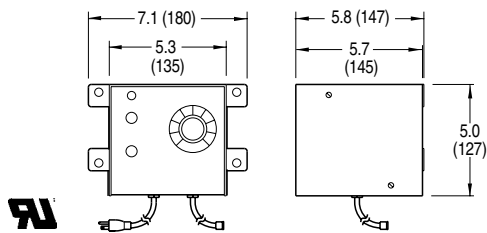
Note: Dimensions = in (mm)

2200 & 2300 SERIES: MANUAL MOTOR STARTERS

VARIABLE SPEED CONTROLLERS

Chart E

- VFD control
- Nema 1 enclosure
- Line cord and motor cord
- On/Off switch
- Speed potentiometer
- Mounting hardware
- Forward/Reverse switch



Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Hp	Max Amps*	Reversing
62MV1122B	115	1	60	230	3	0.5	2.4	No
62MV1122BR	115	1	60	230	3	0.5	2.4	Yes

MANUAL MOTOR STARTERS

Manual motor starts are manual electronic disconnects that provide motor overload protection and are required by the National Electric Code (NEC) for safe motor operation.

- IP 55 Enclosure
- Push button Start / Stop
- Includes mounting hardware

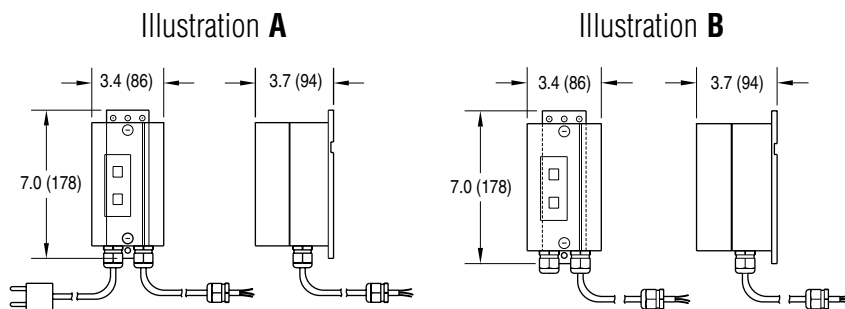


Chart H



- 230V, 1 phase includes cord, plug & starter
- 230/400 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 50 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M21H	230	1	0.25 - 0.4	A
62(c)M23H	230	3	0.16 - 0.25	B
62(c)M43H	400	3	0.1 - 0.16	B

Chart I



- 230V, 1 phase includes cord, plug and starter
- 230/400 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 50 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M21T	230	1	1.6 - 2.5	A
62(c)M23T	230	3	1.0 - 1.6	B
62(c)M43T	400	3	0.63 - 1.0	B

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with NEC and CE safety directive.

(c) = Electrical Configuration G = CE German
F = CE French U = CE Great Britain

Chart L

- 230/460 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23L	230	3	1.0 - 1.6	B
62MM43L	460	3	0.4 - 0.63	B
62MM23H	230	3	0.16 - 0.25	B

Chart M

- 230/460 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23M	208 - 230	3	1.6 - 2.5	B
62MM43M	460	3	1.0 - 1.6	B

Note: Dimensions = in (mm)

2200 & 2300 SERIES: SUPPORT STANDS

QUANTITY CHARTS

2200 Series Support Stands

Conveyor Length	# of Supports
2' (610) - 4' (1,219)	1*
2' (610) - 6' (1,829)	2
7' (2,134) - 12' (3,658)	3
13' (3,962) - 18' (5,486)	4
19' (5,791) - 24' (7,315)	5

2300 Series Support Stands

Conveyor Length	# of Supports
2' (610) - 8' (2,438)	2
9' (2,743) - 16' (4,877)	3
17' (5,182) - 24' (7,315)	4

Required Return Roller Quantity Chart

Max feet between return rollers												
Conveyor Width	1.75"	2.75"	3.75"	5"	6"	8"	10"	12"	18"	21"	24"	
Flat Belt	8.75	8.5	7.5	7.25	7.0	6.75	6.5	6.0	5.5	5.0	4.5	
Cleated Belt	5.75	5.5	5.25	5.0	4.75	4.5	4.25	4.0	3.5	3.25	3.0	

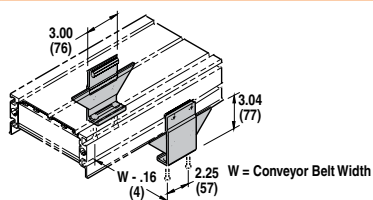
Quantity of return rollers required = whole number result of: $\frac{\text{conveyor length in feet}}{\text{max distance between return rollers}}$

Example Description: 2200 flat belt 8" wide x 14' long $\frac{14'}{6.75} = 2.07$ **2 return rollers required**

* End Drive Conveyors with Single-Post Support Stands only. Requires the use of diagonal bracing, see page 60. Heavy load gearmotors require a minimum of two stands to support conveyor and gearmotor package.

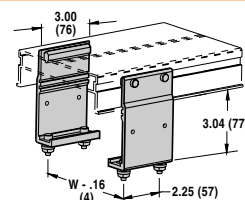
MOUNTING BRACKETS

Cleated Belt Stand Mounting Bracket



Part Number	Description
240838	Stand Mounting Bracket, 2200 Series Cleated Belt Conveyor
715645	Stand Mounting Bracket, 2300 Series Cleated Belt Conveyor

Flat Belt Stand Mounting Bracket

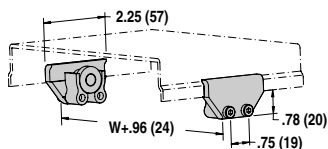


Part Number	Description
240839	Stand Mounting Bracket, 2200 Series Flat Belt Conveyor
715642	Stand Mounting Bracket, 2300 Series Flat Belt Conveyor

Note: Conveyors can be ordered with the required number of mounting brackets. If desired, order additional mounting brackets separately.

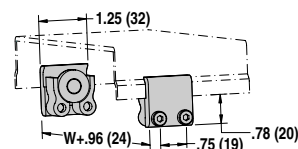
RETURN ROLLERS

Cleated Belt Return Roller



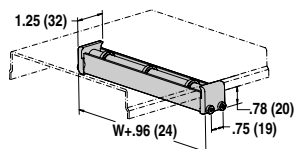
Part Number	Description
240832	Return Roller for 2200 & 2300 Series, Cleated Belt

Flat Belt Return Roller for 2" to 6" Wide Conveyors



Part Number	Description
240830	Return Roller for 2200 & 2300 Series 2" (44 mm) to 6" (152 mm) wide Flat Belt Conveyor

Flat Belt Return Roller for 8" to 48" Wide Conveyors



Part Number	Description
3249WW	Return Roller for 2200 & 2300 Series 8" (203 mm) to 48" (1,219 mm) wide Flat Belt Conveyor

WW = Conveyor Width Reference

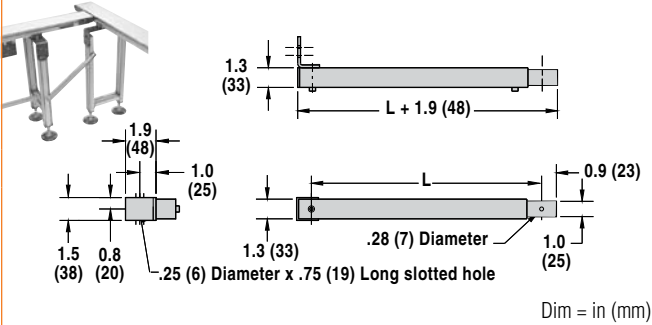
Note: Conveyors can be ordered with the required number of mounting brackets. If desired, order additional mounting brackets separately.

Note: Dimensions = in (mm)

2200 & 2300 SERIES: SUPPORT STANDS

STAND ACCESSORIES

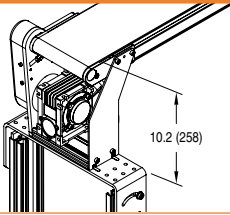
Adjustable Tie Bracket



- Compatible with steel and aluminum support stands
- Secure critical stand and conveyor locations
- Length (L) adjusts + 0", - 11.25" (286 mm)
- Includes metric mounting hardware

Part Number	Description
27M400-02	Adjustable Tie Bracket, 2' (610 mm)
27M400-03	Adjustable Tie Bracket, 3' (914 mm)
27M400-04	Adjustable Tie Bracket, 4' (1,219 mm)
27M400-05	Adjustable Tie Bracket, 5' (1,524 mm)
27M400-06	Adjustable Tie Bracket, 6' (1,829 mm)

Bottom Mount Stand Bracket



- Bolts to 90° standard load gearmotor
- Includes metric mounting hardware
- Provides a 10.2" (258) T.O.B. Height

Part Number	Description
202306-02	"L" Bracket only for 2" to 5" wide conveyors
202306-WW	Bracket Assembly, 06 and wider 2200 & 2300 conveyors

*Not compatible with MPB option.

Diagonal Bracing

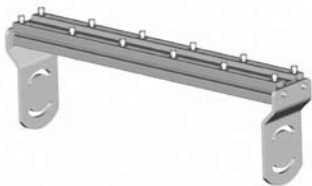


- For use on steel, aluminum and single post support stands with casters
- Metric fastener mounting hardware included
- For use on all stands with casters and any stands over 72" (1829 mm) tall
- One brace per stand for conveyors up to 24" wide (610 mm)
- Two braces per stand for conveyors over 24" wide (610 mm)

2200 Part Number	2300 Part Number	Description
39MB-TS	39MB-FS	for two-legged H style & A-Frame stands up to 30" tall (762 mm)
39MB-TT	39MB-FT	for two-legged H style & A-Frame stands over 30" tall (762 mm)
39MB-PT	39MB-PT	for Single Post and Pillar stands over 30" tall (762 mm)

*Not compatible with MPB option.

Common Mount Kit



- Stand accessory for mounting multiple conveyors in parallel to one stand
- Adds 2" (51 mm) to stand height
- Adds 2.79" (71 mm) to overall stand width

For ordering information, see page 74

Tall Support Stands

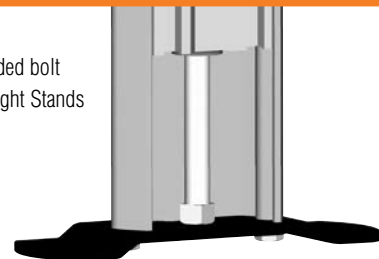


Tall Stands are the Fixed Height and Adjustable Height Stands as shown with additional outrigger support for added stability. These outriggers are required when the height of the stand exceeds 3.5x its width, and they add 16" to stand width. Tall stands over 6' tall include diagonal bracing.

Outriggers

Fine Adjustment Kit

- Provides fine height adjustment via a threaded bolt
- For use with Fixed Height Stands



Part # 710028

2200 & 2300 SERIES: SUPPORT STANDS

FIXED HEIGHT SUPPORT STANDS

Fixed Foot Model

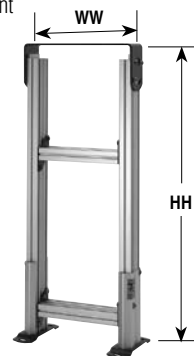
Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	15" - 19" (381 - 483mm)	in 1" (25mm) increments up to...	95" - 99" (2,413 - 2,515mm)
Part # Reference	1519	in 0101 increments up to...	9599

Swivel Locking Caster Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	20" - 24" (508 - 610mm)	in 1" (25mm) increments up to...	68" - 72" (1,727 - 1,829mm)
Part # Reference	2024	in 0101 increments up to...	6872

- Metric fasteners
- 4" (102 mm) Height Adjustment

* Dependent on stand width, stands over 42" (1,067 mm) may include outriggers (see page 60)



Full width is top plate on 12" wide stands only

ADJUSTABLE HEIGHT SUPPORT STANDS

Fixed Foot Model

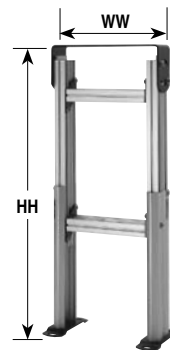
Stand Width (WW)	12" (305mm)		2" (51mm) increments up to...						48" (1,219mm)		
Part # Reference	12		in 02 increments up to...						48		
Stand Height (HH)	12-13" (305-330)	13-15" (330-381)	14-17" (356-432)	16-21" (406-660)	19-26" (483-686)	24-36" (610-914)	30-48" (762-1,219)	42-60** (1,067-1,524)	54-72** (1,372-1,829)	66-84** (1,676-2,134)	78-96** (1,981-2,438)
Part # Reference	1213	1315	1417	1621	1926	2436	3048	4260	5472	6684	7896

Swivel Locking Caster Model

Stand Width (WW)	12" (305mm)		2" (51mm) increments up to...						48" (1,219mm)		
Part # Reference	12		in 02 increments up to...						48		
Stand Height (HH)	17-18" (432-457)	18-20" (457-508)	19-22" (483-559)	21-26" (533-660)	24-31" (610-787)	29-41" (737-1,041)	35-53" (762-1,346)	47-65** (1,194-1,651)	59-77** (1,499-1,956)		
Part # Reference	1718	1820	1922	2126	2431	2941	3553	4765	5977		

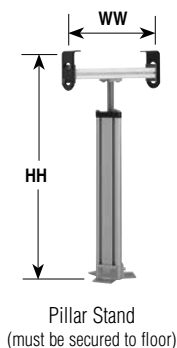
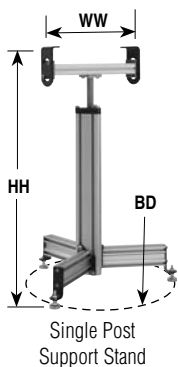
- Metric fasteners

* Dependent on stand width, stands over 42" (1,067 mm) may include outriggers (see page 60)



Full width is top plate on 12" wide stands only

SINGLE POST & PILLAR SUPPORT STANDS



Standard Sizes

Stand Width (WW)	1.75" (44)	2.75" (70)	3.75" (95)	5" (44)	6" (152)	8" (203)	10" (254)	12" (305)	14" (356)	16" (406)	18" (457)
Part # Reference	02	03	04	05	06	08	10	12	14	16	18
Stand Height (HH)*	16-26" (406-660)		24-34" (610-864)		32-42" (813-1,067)		40-50" (1,016-1,270)		48-58" (1,219-1,473)		
Part # Reference	16		24		32		40		48		
Base Diameter (BD)	24" (610)		27" (686)		30" (762)		33" (838)		36" (915)		

- Casters do not change overall height
- Metric fasteners

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 75

2200 & 2300 SERIES: SUPPORT STANDS

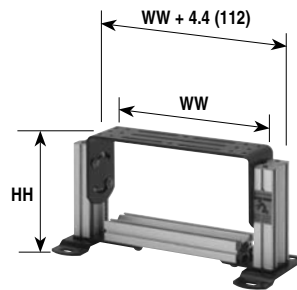
SHORT SUPPORT STANDS

Fixed Foot Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	06" - 08" (152 - 203mm)	in 1" (25mm) increments up to...	12" - 14" (305 - 356mm)
Part # Reference	0608	in 0101 increments up to...	1214

Swivel Locking Caster Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	11" - 13" (279 - 330mm)	in 1" (25mm) increments up to...	17" - 19" (305 - 483mm)
Part # Reference	1113	in 0101 increments up to...	1719



Full width is top plate on 12" wide stands only

FULLY ADJUSTABLE SUPPORT STANDS

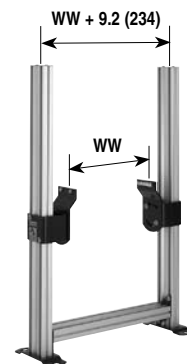
Fixed Foot Model

Stand Width (WW)	1.75" (44)	2.75" (70)	3.75" (95)	5" (44)	6" (152)	2" (51mm) increments up to...	48" (1,219)
Part # Reference	02	03	04	05	06	in 02 increments up to...	48
Top of Belt Range	7-19" (179-483)		12-31" (305-787)		12-43" (305-1,097)	12-55" (305-1,397)	12-67" (305-1,702)
Stand Height Reference	0719		1231		1243	1255	1267

Swivel Locking Caster Model

Stand Width (WW)	1.75" (44)	2.75" (70)	3.75" (95)	5" (44)	6" (152)	2" (51mm) increments up to...	48" (1,219)
Part # Reference	02	03	04	05	06	in 02 increments up to...	48
Top of Belt Range	12-19" (305-483)		17-31" (432-787)		17-43" (432-1,097)	17-55" (432-1,397)	17-67" (432-1,702)
Stand Height Reference	1219		1731		1743	1755	1767

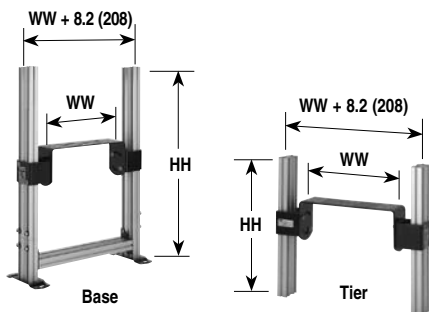
- Metric fasteners



MULTI TIER STANDS

Minimum Tier Height Per Conveyor

Flat Belt	12" (305mm)
Cleated Belt	15" (381mm)



Full width is top plate on 12" wide stands only

Base

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	12" (305mm)	2" (51mm) increments up to...	60" (1,524mm)
Part # Reference	1212	in 0002 increments up to...	1260

Tier

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	12" (305mm)	1" (25mm) increments up to...	36" (914mm)
Part # Reference	0712	in 0002 increments up to...	0736

Note: Do not use with support stands equipped with casters. Support Stands must be anchored to the floor. Do not use if conveyed product overhangs the edge of the conveyor belt due to pinch point created.

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

2200 & 2300 SERIES: SUPPORT STANDS

QUICK ADJUST STANDS

Fixed Foot Model

Stand Width (WW)*	12" (305mm)	2" (51mm) increments up to...	36" (914mm)
Part # Reference	12	in 02 increments up to...	36
Stand Height (HH)*	24" - 30" (610 - 762mm)	in 1" (25mm) increments up to...	66" - 72" (1,676 - 1,829mm)
Part # Reference	2430	in 0101 increments up to...	6672

Swivel Locking Caster Model

Stand Width (WW)*	12" (305mm)	2" (51mm) increments up to...	36" (914mm)
Part # Reference	12	in 02 increments up to...	36
Stand Height (HH)*	27" - 33" (686 - 838mm)	in 1" (25mm) increments up to...	60" - 66" (1,524 - 1,676mm)
Part # Reference	2733	in 0101 increments up to...	6066

* Under 12" wide use full top plate option

- Metric fasteners
- +/- 3" (76 mm) Height Adjustment
- Allows for Quick Height Adjustment
- Tool-less lock and adjustment handles



Fixed Foot Model

Swivel Locking Caster Model

A-FRAME STANDS

Fixed Foot Model

Stand Width (WW)	1.75" (44mm)	2" (51mm) increments up to...	24" (610mm)
Part # Reference	02	in 02 increments up to...	24
Stand Height (HH)*	10" - 14" (254 - 356mm)	in 1" (25mm) increments up to...	56" - 60" (1,422 - 1,524mm)
Part # Reference	1014	in 0101 increments up to...	5660

Swivel Locking Caster Model

Stand Width (WW)	1.75" (44mm)	2" (51mm) increments up to...	24" (610mm)
Part # Reference	02	in 02 increments up to...	24
Stand Height (HH)*	13" - 15" (330 - 381mm)	in 1" (25mm) increments up to...	58" - 60" (1,473 - 1,524mm)
Part # Reference	2733	in 0101 increments up to...	5860

* From floor to top of belt

- Metric fasteners
- +/- 2" (51 mm) Height Adjustment for Fixed Foot Model
- +/- 1" (25 mm) Height Adjustment for Fixed Foot Model
- One (1) SmartSlot per side



Fixed Foot Model

Swivel Locking Caster Model

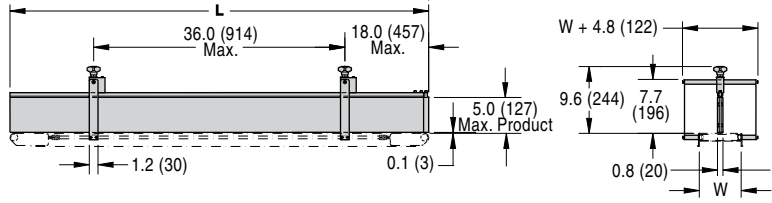
Note: Dimensions = in (mm)

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

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 75

ADJUSTABLE LANE GUIDING



Specifications:

- UHMW guide surface on an anodized aluminum mounting rail
- Painted Steel mounting hardware
- Available in standard 1' (305 mm) increments or can be ordered to any length
- 5" (127 mm) maximum, 0.25" (7 mm) minimum part height
- 0.25" (6mm) minimum lane width
- Package includes (1) lane guide, mounting hardware and adjusting knobs
- For conveyors up to 24" (610 mm) wide – Consult factory for wider lane guide availability
- Metric fasteners only

Important: Exceeding 5" (127 mm) product height will produce a pinch point.

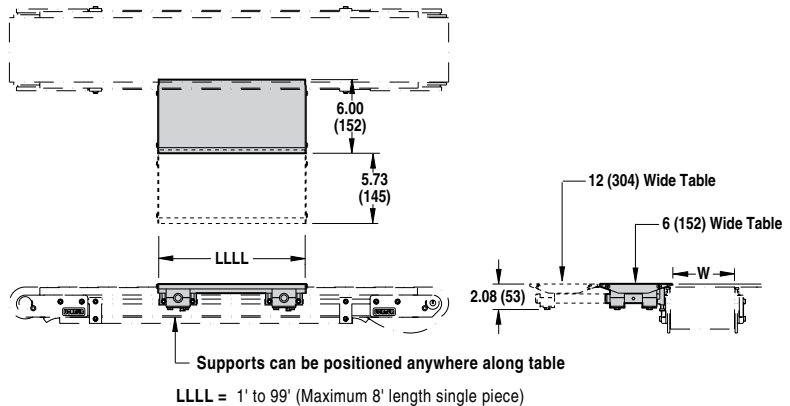
Features & Benefits:

- 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



Order additional lane kits separately

SIDE TABLES



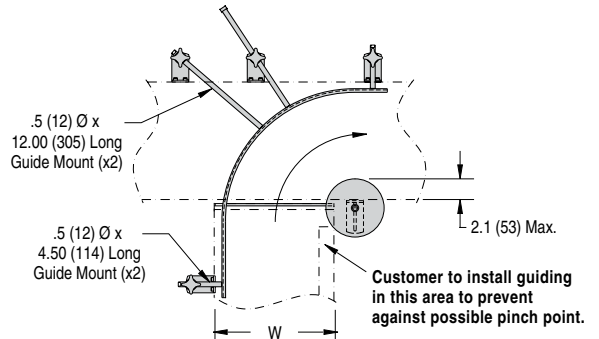
Specifications:

- Provides a 6" (152 mm) or 12" (305 mm) wide working surface
- Adjusts in/out and up/down (0.25" max above bedplate) for product transfer on/off conveyor belts
- 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 1' (305mm) increments from 1' (305 mm) to 99' (30,175 mm)
- Compatible with 2200, 3200 and 5200 Series Conveyors

Note: Dimensions = in (mm)

For ordering information, see page 75

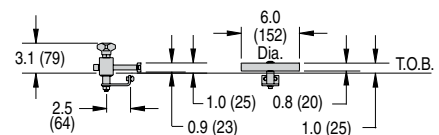
90° ADJUSTABLE TRANSFER



Specifications:

- For conveyors up to 12" (305 mm) wide
- Requires low side conveyors
- 0.25" (6 mm) minimum part thickness
- Hard coat anodized transfer plate
- Painted steel mounting hardware
- 48" (1,219 mm) long UHMW outside turn guide, customer can trim to fit
- Maximum recommended part weight is 20 lbs (9 kg) at 50 ft/min (15 m/min) belt speed. Consult factory regarding applications for higher product weights or faster belt speeds.
- 0.88" (22 mm) minimum product size for 2200 & 2300 Series
- Package includes outside turn guide, guide wheel, adjustable mounting hardware and extruded aluminum transfer plate

W = Conveyor Belt Width



Features & Benefits:

- 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
- Metric fasteners only

Note: Due to the wide variety of drive setups and applications point of installation guarding is the responsibility of the end user.

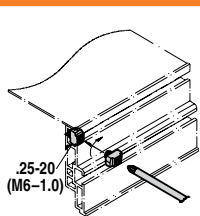
Important: Do not use with 03, 08, 55, 62, or 64 High Friction Belts on Infeed conveyor

* Not compatible with MPB option

For ordering information, see page 75

HARDWARE ACCESSORIES

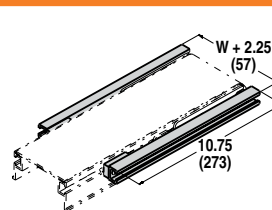
Spring T-Nut



- Mounts in T-slots to attach light weight accessories
- Recommended for vertical aluminum stand T-slots

Part Number	Description
200124	Spring T-nut, 0.25-20
200124M	Spring T-nut, M6-1.0
200300	Package of 5 Spring T-nuts, 0.25-20
200300M	Package of 5 Spring T-nuts, M6-1.0

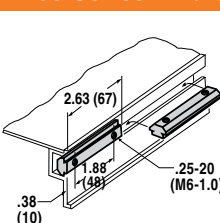
T-Slot Extenders



- Provides additional T-slots to the end of conveyor
- Includes mounting brackets and hardware
- Metric fasteners

Part Number	Description
307000M	T-Slot Extender, Pair

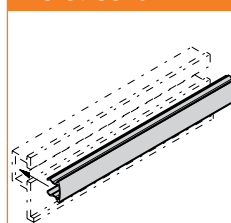
2200 Series T-Bars



- Mounts in T-slots to attach heavy accessories
- 2.63" (67 mm) long 2 hole model, 0.75" (19 mm) 1 hole model

Part Number	Description
639971	1 hole T-bar, 0.25-20
639971M	1 hole T-bar, M6-1.0
300150	2 hole T-bar, 0.25-20
300150M	2 hole T-bar, M6-1.0

T-Slot Cover



- Snaps into conveyor and aluminum stand T-slots
- Black plastic extrusion
- Can be trimmed to fit

Part Number	Description
645656P	T-Slot Cover, Per 1' (305 mm) of length

Note: Dimensions = in (mm)

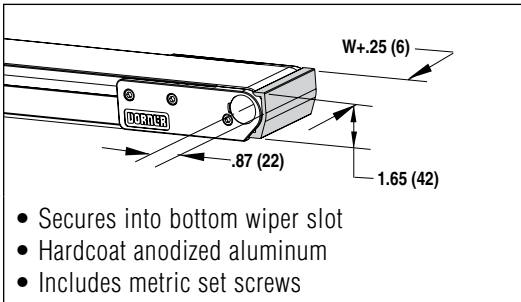
2200 & 2300 SERIES: ACCESSORIES

PULLEY TRANSFER PLATE*



Specifications:

- 0.88" (22 mm) diameter minimum product transfer for 2200 & 2300 Series
- Hard coat anodized finish
- Package includes extruded aluminum transfer plate, required pulley tail plates and mounting hardware
- Metric fasteners only



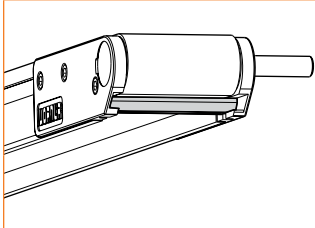
* Not compatible with Gang Drive or MPB option
 * Not compatible with clipper splice or high friction belts

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

For ordering information, see page 75

HARDWARE ACCESSORIES

Bottom Wiper*



- Locate at discharge end of conveyor
- 0.25" (6 mm) thick steel
- Removes debris from belt
- Includes metric set screws

Part Number	Description
2225WWM	2200 & 2300 Series Bottom Wiper

WW = Conveyor Width Reference

Note: Bottom wiper standard on 2200 Gang Drive Conveyor

* Not compatible with MPB option or high friction belts

2300 Series DustPruf Self Drilling Screw



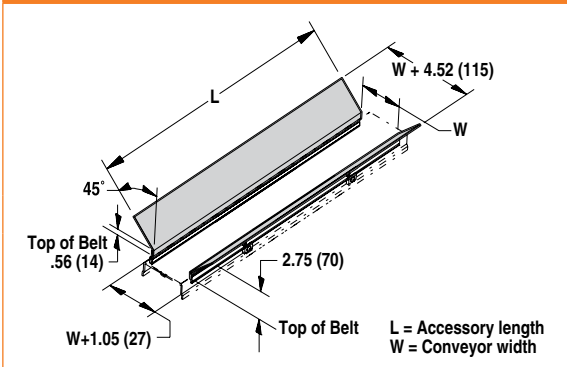
- Self drilling in SmartSlot™
- For attachment of heavy accessories or supports

Part Number	Thickness of Mounting Plate
715652	0 - 1/8" (3 mm)
715653	1/8 (3 mm) - 1/2" (13 mm)
715654	5/8 (16 mm) - 1" (25 mm)

Note: Dimensions = in (mm)

SIDE GUIDES

Flared Side Guide



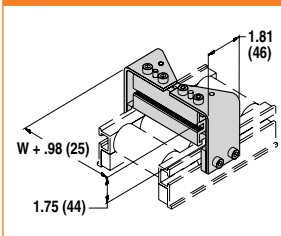
- Guides parts onto conveyor belt surface
- Includes metric mounting hardware
- Compatible with 2200 & 2300 Series

Part Number	Description
280802M	2' (610 mm) Flared Side
280803M	3' (914 mm) Flared Side
280804M	4' (1,219 mm) Flared Side
280805M	5' (1,524 mm) Flared Side
280806M	6' (1,829 mm) Flared Side

* Not compatible with MPB option

STOPS

Adjustable Stop*



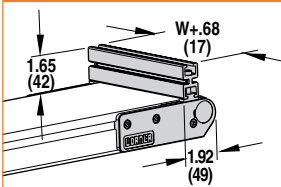
- Slides up and down T-slot length
- Includes metric mounting hardware

Part Number	Description
3076WWM	Adjustable Stop, 2200 & 2300 Series
2460WWM	Adjustable Stop, MPB

WW = Conveyor Width Reference

* Not compatible with high friction belts

End Stop*

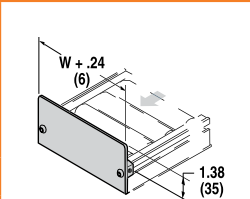


- Anodized aluminum stop
- Includes tail plates and mounting hardware

Part Number	Description
2255WWM	End Stop, 2200 & 2300 Series
2459WWM	End Stop, MPB

Note: No Gang Drive Option

Roller Conveyor End Stop



- Includes metric mounting hardware

Part Number	Description
2086WWM	Roller End Stop

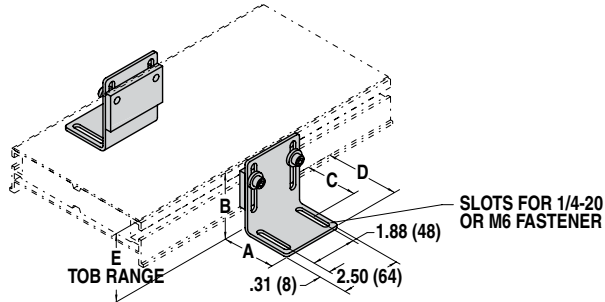
Note: Dimensions = in (mm)

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

2200 & 2300 SERIES: ACCESSORIES

BRACKETS

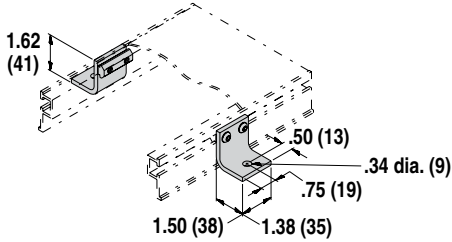
Adjustable Height Bracket*‡



- Provides height adjustment
- (2) Height Ranges
- Includes mounting hardware
- Compatible with 2200 & 2300 Series

Part Number	Description	A	B	C	D	E
201557	2" x 3" Bracket	2 (51)	3 (76)	1.4 (36)	2.4 (61)	1.9 (48) to 3.4 (86)
201558	3" x 5" Bracket	3 (76)	5 (127)	2 (51)	3.4 (86)	3.3 (84) to 5.3 (135)

Table Top Mounting Bracket*‡

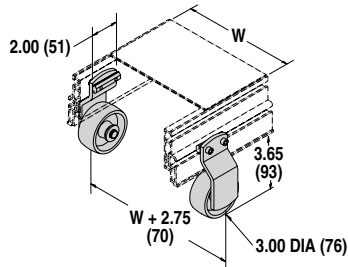


- Includes metric mounting hardware

Part Number	Description
200349M	Table top bracket, 2200 Series
715659	Table top bracket, 2300 Series

‡ = If the discharge end of conveyor is mounted over a table or similar structure, the customer must provide guiding to prevent against possible pinch point.

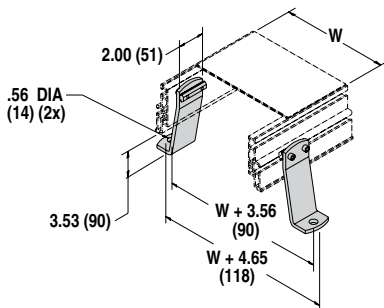
Frame Mount Casters*



- Includes metric mounting hardware
- Compatible with 2200 & 2300 Series

Part Number	Description
390207	Frame mount casters, pair

Floor Mount Brackets



- Includes metric mounting hardware
- Compatible with 2200 & 2300 Series

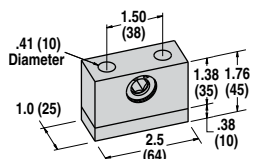
Part Number	Description
390217	Floor mount brackets, pair

* Not compatible with MPB option

Note: Dimensions = in (mm)

DRIVE SHAFT ACCESSORIES

Support Block*

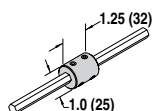


- For 2200 Series Gang Drive Conveyors

Part Number	Description
23-33M	Support Block, 0.38" Hex Shaft

* Not compatible with MPB option

Solid Coupling, Hex to Hex*

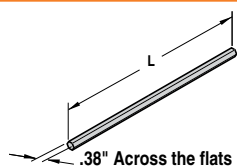


- Includes metric set screws

Part Number	Description
210064M	Solid Coupling, 0.38" Hex to Hex

* Not compatible with MPB option

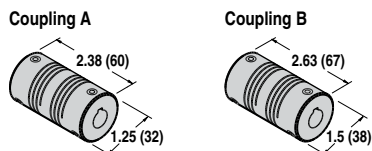
Hex Shaft*



Part Number	Description
23-24SS	0.38" Hex Shaft, stainless steel, 48" (1,219 mm) long
631418	0.38" Hex Shaft, stainless steel, 72" (1,829 mm) long

* Not compatible with MPB option

Flexible Coupling



- (A) Includes SAE set screws, (B) metric set screws

Part Number	Description	Coupling
23M29	Flexible Coupling, 12 mm bore x 0.38" hex	B
23M31	Flexible Coupling, 12 mm bore x 12 mm bore	B

Clear Cover

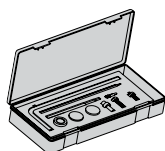


- Fits 2200 & 2300 light load top mount and standard and heavy load top and bottom mount packages

Part Number	Description
689499M	Clear cover, ordered separately

SERVICE ACCESSORIES

Tool Kit



Part Number	Description
2200M	Tool Kit, 2200 & 2300 Series, Metric
2500M	Tool Kit, 2200 Series, Gang Drive

Note: Dimensions = in (mm)

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

2200 & 2300 SERIES: PART NUMBER REFERENCE

2200 & 2300 SERIES: FLAT BELT END DRIVE

2 0 F M WW - LLLL 1 1 0 A PP PP BB - EDSTP

Optional End Stop (-EDSTP) or iDrive (see iDrive options below)

Belt Type

Profile (D side):

01 = Lowside 07 = Low to side wiper 13 = Fully adjustable
 04 = 3" high side 09 = 1/2" high side 14 = Tool-less fully adjustable
 05 = 1.5" high side 10 = 1/2" UHMW high side

Profile (A side):

01 = Lowside 07 = Low to side wiper 13 = Fully adjustable
 04 = 3" high side 09 = 1/2" high side 14 = Tool-less fully adjustable
 05 = 1.5" high side 10 = 1/2" UHMW high side

Motor Shaft Position: A, B, C or D (non-Gang Drive)

Idler Tail Type:

0 = Standard 1.25" 2 = Output shaft D side 4 = Standard 1.25" w/mag
 1 = Output shaft A side 3 = Nose bar G = Gang Drive End

Drive Tail Type: 0 = Standard 1.25" 1 = Standard 1.25 Dual Output Drive End G = Gang Drive End

Guide / Mounting Brackets:

1 = with tracking cams and mounting brackets
 2 = V-guide and mounting brackets
 3 = with tracking cams, no mounting brackets, no return rollers
 4 = V-guide, no mounting brackets, no return rollers
 5 = with tracking cams & return rollers, no mounting brackets
 6 = V-guide & return rollers, no mounting brackets

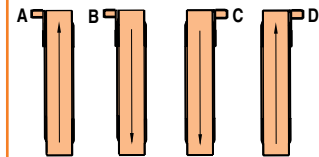
Conveyor Length Reference: 0150 to 1800

Conveyor Width Reference: 02 to 24

Documentation Language: M = English

Model Type: 2 = 2200 Series F = 2300 Series

Drive Shaft Position



Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.

2200 & 2300 SERIES: iDRIVE OPTIONS

FD C P A

Speed Range: A = 7 to 70 FPM C = 3 to 24 FPM
 B = 5 to 50 FPM D = 1.7 to 17 FPM

Power Supply: P = Power Supply Included N = No power supply

Control Type: S = Separate (only available as no power supply) M = Mounted

Integrated Frame Drive

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For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

2200 & 2300 SERIES: PART NUMBER REFERENCE

2200 & 2300 SERIES: FLAT BELT CENTER DRIVE

2 5 F M WW - LLLL 1 1 0 A PP PP BB - EDSTP

Optional End Stop (-EDSTP) or iDrive
(see iDrive options on page 70)

Belt Type

Profile (D side):

- 01 = Lowside
- 04 = 3" high side
- 05 = 1.5" high side
- 07 = Low to side wiper
- 09 = 1/2" high side
- 10 = 1/2" UHMW high side
- 13 = Fully adjustable
- 14 = Tool-less fully adjustable

Profile (A side):

- 01 = Lowside
- 04 = 3" high side
- 05 = 1.5" high side
- 07 = Low to side wiper
- 09 = 1/2" high side
- 10 = 1/2" UHMW high side
- 13 = Fully adjustable
- 14 = Tool-less fully adjustable

Motor Shaft Position: A, D or E

Idler Tail Type: 0 = Standard 1.25" 2 = Output shaft D side 4 = Standard 1.25" w/mag
1 = Output shaft A side 3 = Nose bar

Drive Tail Type: 0 = Standard 1.25" 2 = D side discharge end
1 = Standard 1.25 Dual Output Drive End 3 = Nose bar

Guide / Mounting Brackets:

- 1 = with tracking cams and mounting brackets
- 2 = V-guide and mounting brackets
- 3 = w/ tracking cams, no mounting brackets, no return rollers
- 4 = V-guide, no mounting brackets, no return rollers
- 5 = w/ tracking cams & return rollers, no mounting brackets
- 6 = V-guide & return rollers, no mounting brackets

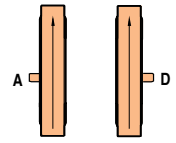
Conveyor Length Reference: 0150 to 1800

Conveyor Width Reference: 02 to 24

Documentation Language: M = English

Model Type: 2 = 2200 Series F = 2300 Series

Drive Shaft Position



Reversing Belt Direction reduces conveyor load capacity by 66%.

2200 & 2300 SERIES: CLEATED BELT END DRIVE

2 C F M WW - LLLL 1 0 1 A PP C H SSSS - FDCPA

iDrive Option (see page 70)

Cleat Spacing

Base Belt Material: H = High Friction L = Low Friction

Cleat Height: A, B, C, F, G, H, V or J

Profile (A side):

- 01 = Lowside
- 02 = 1/2" cleated guide
- 03 = 1" cleated guide
- 06 = 2 1/2" cleated guide

Motor Shaft Position: A, B, C or D (non-Gang Drive)

Idler Tail Type:

0 = Standard 1.25" 2 = Output shaft D side G = Gang Drive End
1 = Output shaft A side 4 = Standard 1.25" w/mag

Drive Tail Type: 0 = Standard 1.25" 2 = Standard 1.25 Dual Output G = Gang Drive End

Guide / Mounting Brackets:

- 1 = with tracking cams and mounting brackets
- 2 = V-guide and mounting brackets
- 3 = w/ tracking cams, no mounting brackets, no return rollers
- 4 = V-guide, no mounting brackets, no return rollers
- 5 = w/ tracking cams & return rollers, no mounting brackets
- 6 = V-guide & return rollers, no mounting brackets

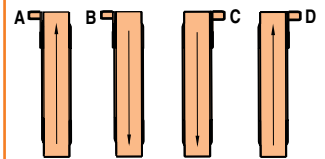
Conveyor Length Reference: 0150 to 1800

Conveyor Width Reference: 02 to 24

Documentation Language: M = English

Model Type: 2 = 2200 Series F = 2300 Series

Drive Shaft Position

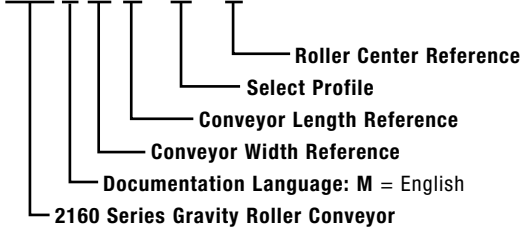


Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.

2200 & 2300 SERIES: PART NUMBER REFERENCE

2200 SERIES: GRAVITY ROLLER

2160 M 06 04 - 01 / 15

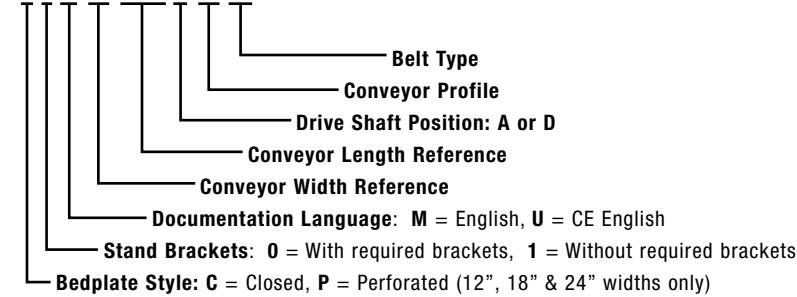


Example: 2160M0604-01/15

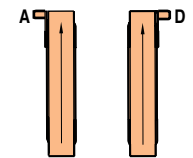
Description: 2160 Series Gravity Roller Conveyor, 6" (152) wide x 4' (1,219) long with low side profile, rollers on 1.5" (38) centers and English documentation.

2200 MPB SERIES: FLAT BELT END DRIVE

2C 0 M 12 0600 A 04 40



Drive Shaft Position

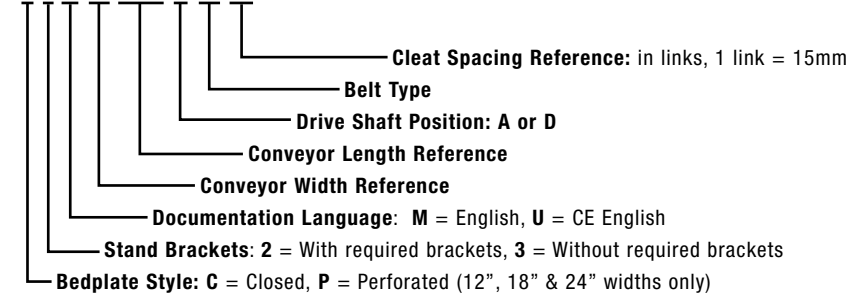


Example: 2C0M120600A0440

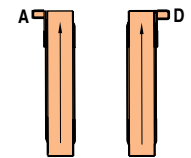
Description: MPB Series Conveyor with closed bedplate, 12" (305) wide x 6' (1,829) long with drive shaft in mount position A, 04 bolt-on high side, type 40 closed mesh accumulation belt and English documentation.

2200 MPB SERIES: CLEATED BELT END DRIVE

2C 2 M 12 0600 A 44 11



Drive Shaft Position



Example: 2C2M120600A4411

Description: MPB Series Conveyor with closed bedplate, 12" (305) wide x 6' (1,829) long with required stand mounting brackets, drive shaft in mount position A, type 44 general purpose, closed top, cleated belt with cleats spaced every 11 links (6.49") and English documentation.

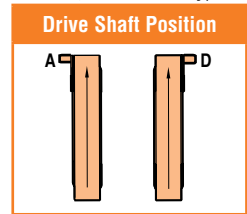
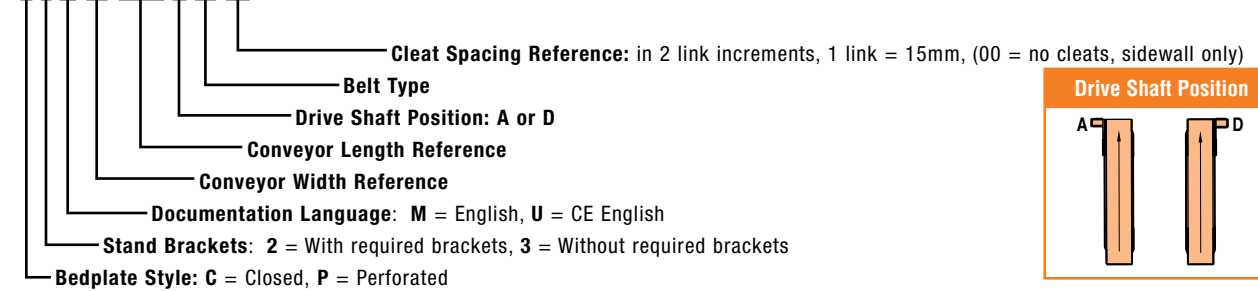
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For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

2200 & 2300 SERIES: PART NUMBER REFERENCE

2200 MPB SERIES: SIDEWALL-CLEATED BELT END DRIVE

2C 2 M 12 0600 A 48 22

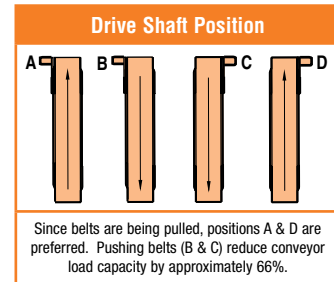
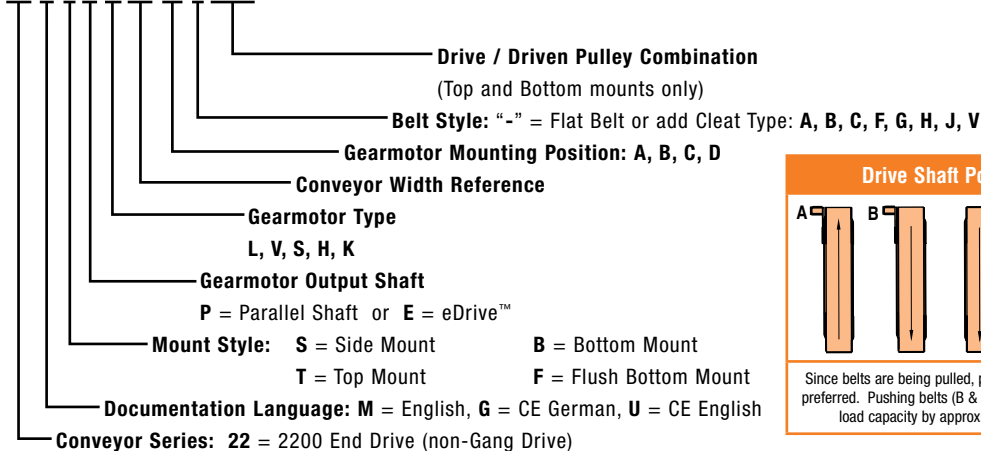


Example: 2C2M120600A4822

Description: MPB Series Conveyor closed bedplate, 12" (305) wide x 6' (1,829) long with required stand mounting brackets, drive shaft in mount position A, type 48 chemical resistant, closed top, cleated sidewall belt with cleats spaced every 22 links (12.99") and English documentation.

2200 & 2300 SERIES: END DRIVE MOUNTING PACKAGES

22 M B P S 06 A - 2828



Example: 22MBPS06A-2828

Description: Bottom mount package with English documentation for 6" (152) wide 2200 series end drive conveyor. Configured for a parallel shaft, Standard load motor in the A1 mount position with a 28:28 drive / driven pulley combination.

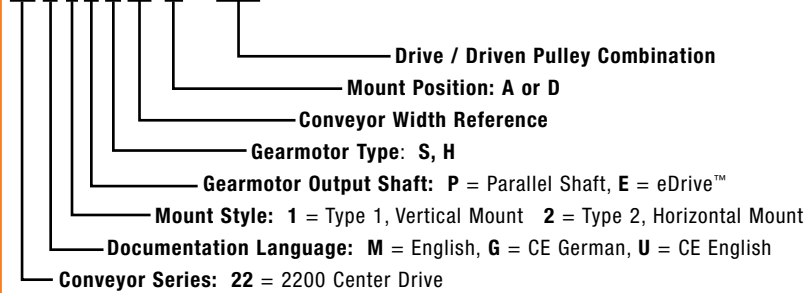
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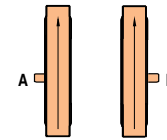
2200 & 2300 SERIES: PART NUMBER REFERENCE

2200 & 2300 SERIES: CENTER DRIVE MOUNTING PACKAGES

22 M 2 P S 06 A - 3232



Drive Shaft Position



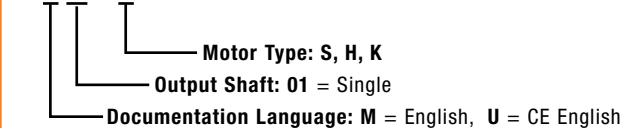
Reversing Belt Direction reduces conveyor load capacity by 66%.

Example: 22M2PS06A-3232

Description: 2200 Series Horizontal Center Drive Mounting Package with English documentation for a parallel shaft standard load gearmotor mounted in the A position, with a 32:32 drive / driven pulley combination, on a 6" (152) wide conveyor.

2200 SERIES: GANG DRIVE MOUNTING PACKAGE

63 M 01 E S

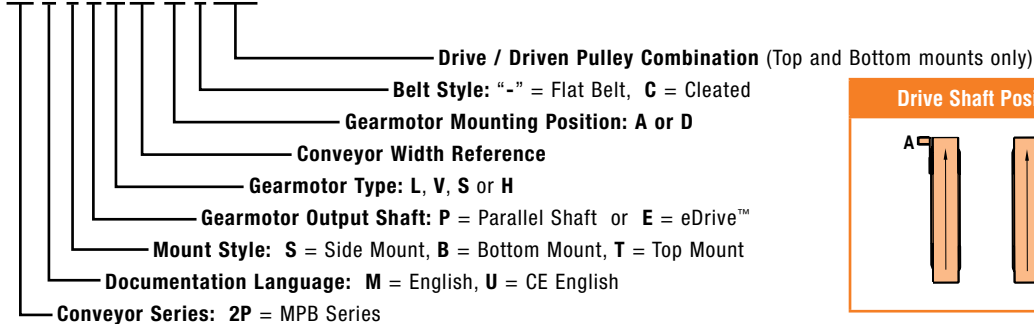


Example: 63M01

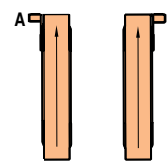
Description: Gang drive mounting package with English documentation.

2200 MPB SERIES: END DRIVE MOUNTING PACKAGES

2P M B P S 06 A - 2828



Drive Shaft Position



Example: 2PMBPS06A-2828

Description: Bottom mount package for 6" (152) wide MPB conveyor, standard load parallel shaft gearmotor in the A mount position with a 28:28 drive / driven pulley combination with English documentation.

2200 & 2300 SERIES: COMMON MOUNT KIT

39MCM WW - #



Example: 39MCM-244

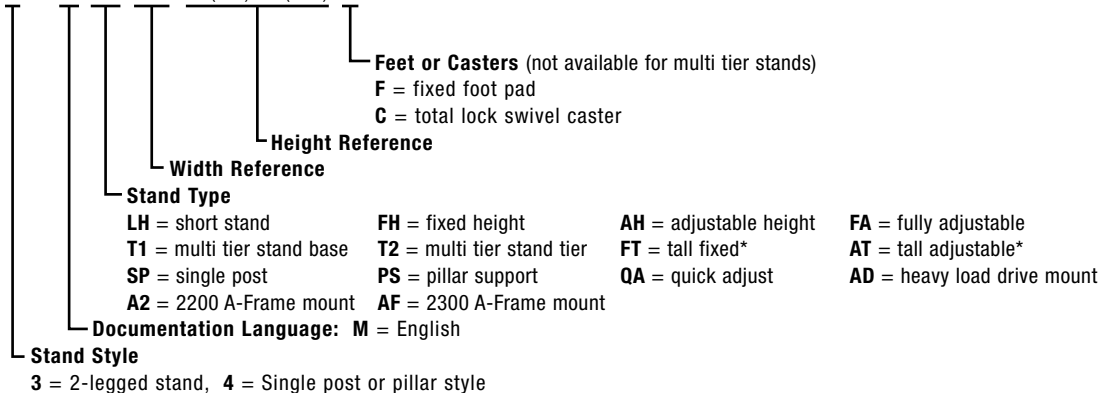
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For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

2200 & 2300 SERIES: PART NUMBER REFERENCE

2200 & 2300 SERIES: SUPPORT STANDS

S 9 M TT WW - HH(min) HH(max) F A

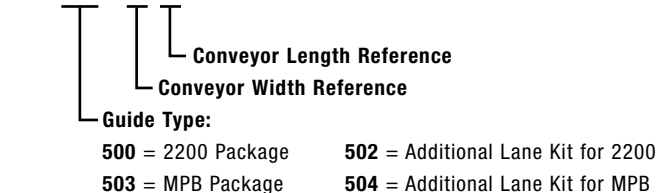


EXAMPLE: 39MAH12-2126CP

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability is final setup of the responsibility of the end user.
 *Tall stands are required when the stand width is 3.5 times the stand height.

2200 & 2300 SERIES: ADJUSTABLE LANE GUIDING

27M GGG - 06 LL



Example: 27M500-0620

2200 & 2300 SERIES: PULLEY TRANSFER PLATE

27M 2200 - 06



Example: 27M2200-06

2200 & 2300 SERIES: 90° ADJUSTABLE TRANSFER

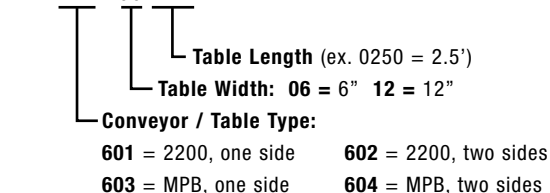
27M 2201 - 06



Example: 27M2201-06

2200 & 2300 SERIES: SIDE TABLES

27M TTT - 06 LLLL



Example: 27M601-060250

These reference charts are only provided as a reference and is not intended to be used for the construction of complete part numbers for order placing. Dorner has a full network of trained Distributors and sales staff equipped with our configuring / pricing software who are able to provide complete and accurate quotes for all standard products in a matter of minutes.

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3200 SERIES

HEAVY DUTY BELT CONVEYORS EXTRUDED ALUMINUM



General Specifications:

- iDrive, Flat Belt End Drive, Cleated Belt End Drive, and Center Drive models
- 3" (76mm) diameter head and tail pulleys
- Widths: 3.75" (95 mm) to 48" (1,219 mm)
- Lengths: 3' (914 mm) to 99' (30,175 mm)
- Loads up to 1,000 lbs (455 kg)
- Sealed Bearings
- CE models available

Applications:

- Part Transfers
- Part Accumulation
- Precision Part Movement
- Part Incline / Decline Routing (Z-Frame)
- Part Handling and Positioning
- Automated and Manual Assembly



**V-Guided
Belt Tracking**



**Wide
Widths**



**Rack and Pinion
Belt Tensioning**



**Adjustable
Angles**

3200 iDRIVE	78
FLAT BELT END DRIVE	80
FLAT BELT CENTER DRIVE	82
CLEATED BELT END DRIVE	84
Z-FRAME FLAT BELT END DRIVE	86
Z-FRAME FLAT BELT CENTER DRIVE	88
Z-FRAME SIDEWALL CLEATED BELT END DRIVE	90
Z-FRAME STANDARD CLEATED BELT END DRIVE	92
PROFILES	94
BELTING	95
GEARMOTOR MOUNTING PACKAGES	98
GEARMOTORS	102
SUPPORT STANDS	113
ACCESSORIES	118
PART NUMBER REFERENCE	123

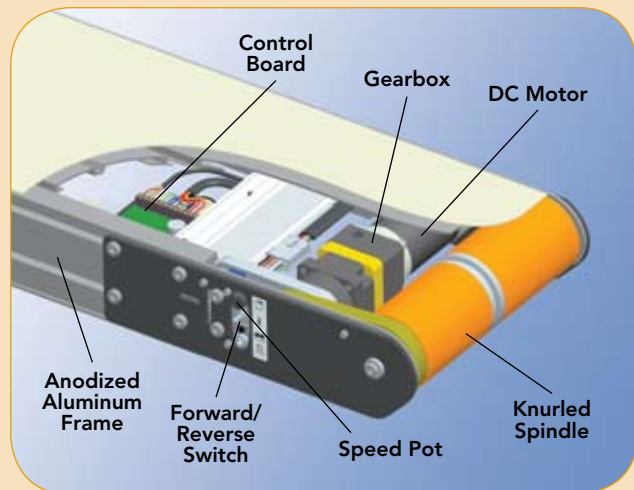


Specifications:

- Belt Widths: 6" (152 mm) to 24" (610 mm)
- Conveyor Lengths: 3' (914 mm) to 12' (3,658 mm)
- Belt Speeds: Variable Speed, (3) Speed Options
 - 15 to 80 ft/min (4.6 to 24.4 m/min)
 - 21 to 133 ft/min (6.4 to 40.5 m/min)
 - 27 to 171 ft/min (8.2 to 52.1 m/min)
- Conveyor Load Capacity (non-accumulated, distributed load):
 - 15 to 80 ft/min – Up to 120 lbs (54.4 kg)
 - 21 to 133 ft/min – Up to 69 lbs (31.3 kg)
 - 27 to 171 ft/min – Up to 52 lbs (23.6 kg)
- Indexing Capable: Up to 30 indexes per minute
- Duty Cycle: Continuous rated
- Adjustable acceleration and deceleration parameters
- iDrive Control Models:
 - Integrated Forward/ Off / Reverse Switch, Variable Speed Pot, and 115V 1 Ph Input Power Supply
 - Integrated Forward/ Off / Reverse Switch, and Variable Speed Pot (DC power supply by others)
 - Flying leads for remote speed and direction (DC power supply by others)

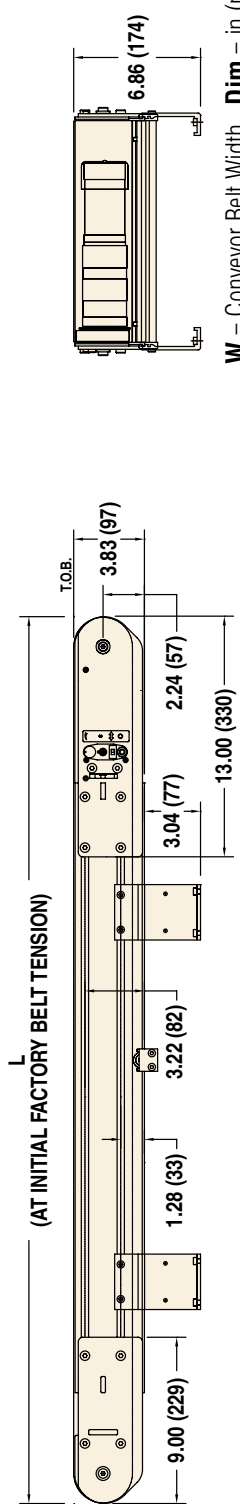
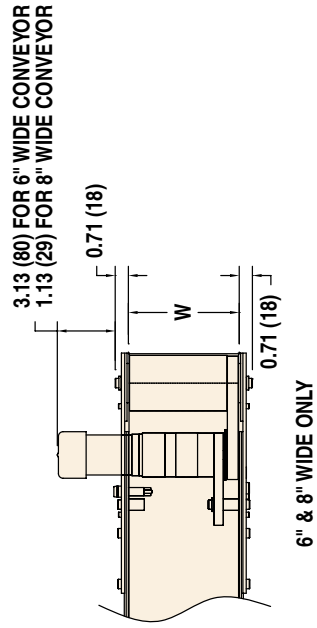
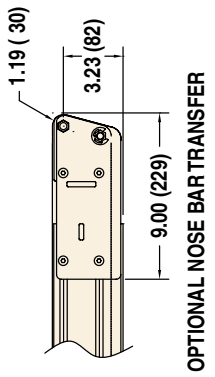
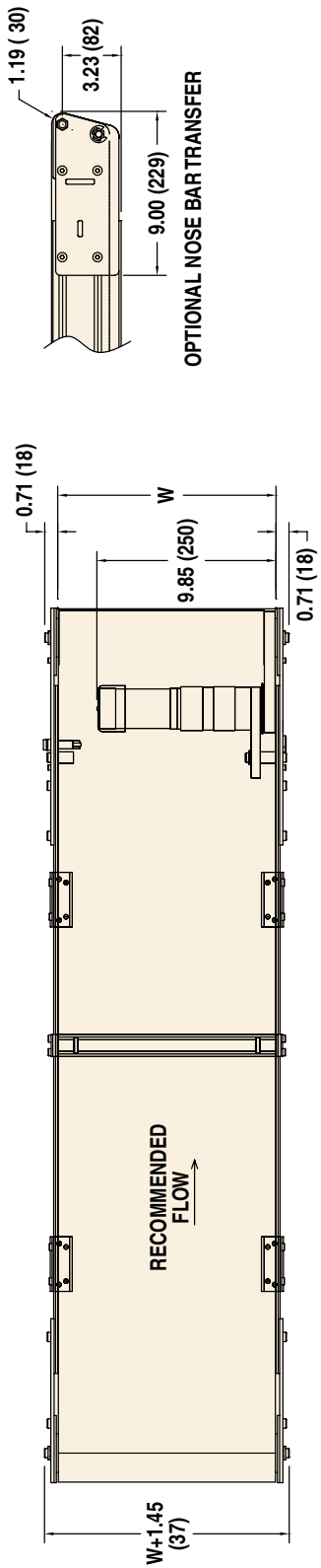
Features & Benefits:

- Internally mounted gearmotor and control for space savings and tight work spaces
- Reduced integration time required to mount and wire the total conveyor package
- Ideal combination of conveyor and gearmotor sizing for small parts handling
- Indexing, variable speed and reversing for maximum application flexibility
- Control switches integrated into the conveyor
- V-guided belts for maintenance free belt tracking
- Maintenance free sealed bearings
- Grease filled sealed for life planetary gear boxes
- Maintenance free brushless DC Motor



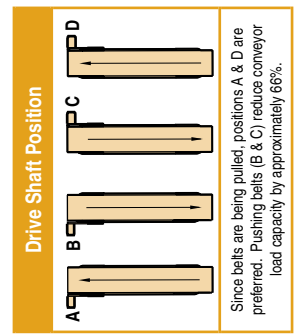
For support stands and accessories, see pages 113-122.

For ordering information, see page 123



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

STANDARD SIZES					
Conveyor Width Reference	06	08	10	02 increments up to...	24
Conveyor Belt Width (W)	6" (152mm)	8" (203mm)	10" (254mm)	2" (51mm) increments up to...	24" (610mm)
Conveyor Length Reference	0300	0001 increments up to...		1200	
Conveyor Length (L)	3' (914mm)	0.12" (3mm) increments up to...		12' (3,660mm)	



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.

3200 SERIES: FLAT BELT END DRIVE



Specifications:

- Loads up to 400 lbs* (181 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 40' (12,192 mm)
- 1.62" (41 mm) of belt take-up on conveyors up to 20' long
- 3.24" (82 mm) of belt take-up on conveyors over 20' long
- 3" (76mm) diameter drive pulley turns approximately 9.7" (246 mm) of belt per revolution
- **CE** models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

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



**OPTIONAL:
Nose Bar Tail**

Includes sealed bearings, 1" (25 mm) diameter rollers and is available at both ends for small part transfers.



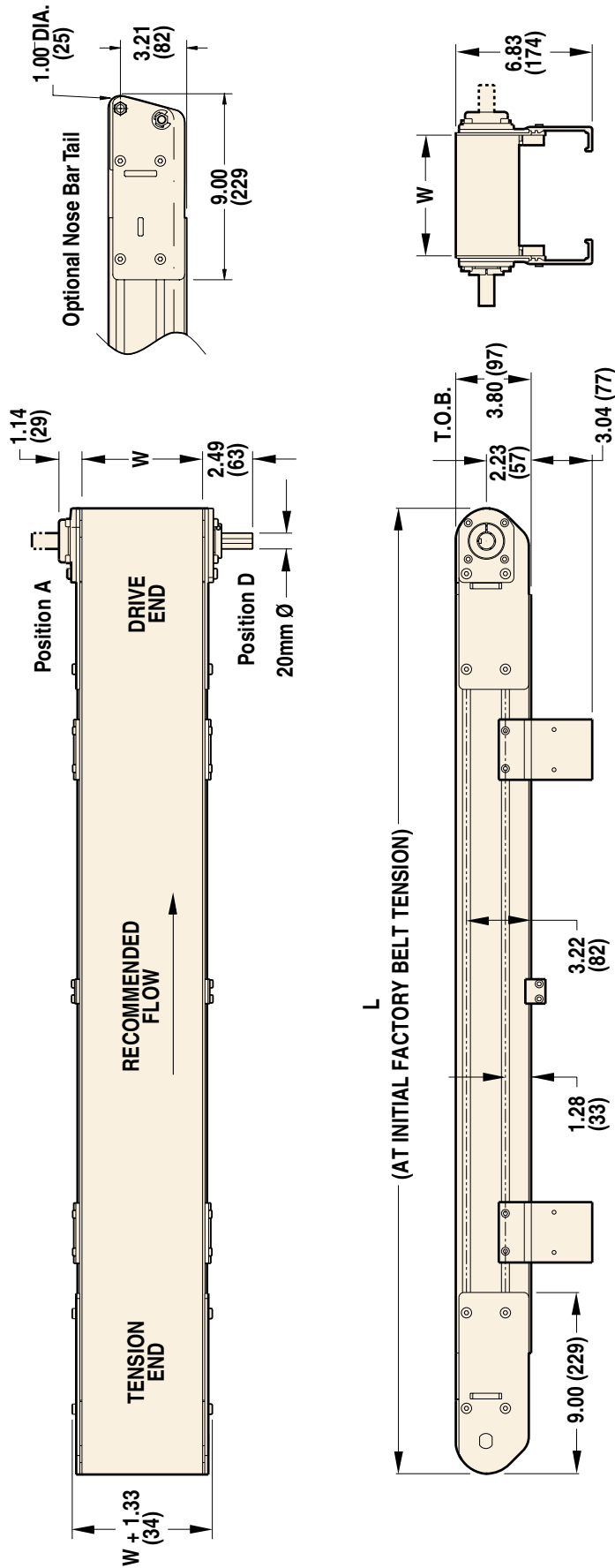
**STANDARD FEATURE:
Rack and Pinion**

Allows the tail section to be easily slid back for quick belt removal.

*Order gearmotor mounting packages and gearmotors separately, see pages 98-109.
For support stands and accessories, see pages 113-122.*

For ordering information, see page 123

3200 SERIES: FLAT BELT END DRIVE

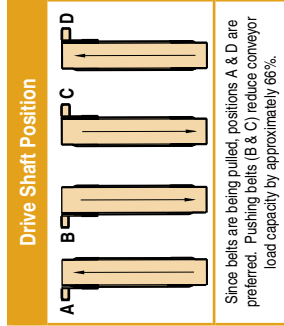


W = Conveyor Belt Width Dim = in (mm)

STANDARD SIZES			
Conveyor Width Reference	04	06	48
Conveyor Belt Width (W)	3.75" (95mm)	6" (152mm)	48" (1,219mm)
Conveyor Length Reference	0300		4000
Conveyor Length (L)	3' (914mm)		40' (12,192mm)

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations.

NOTE: Conveyors wider than 40" require v-guide belt tracking.



3200 SERIES: FLAT BELT CENTER DRIVE



Specifications:

- 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: 4' (1,219 mm) to 99' (30,175 mm)
- 16" (406 mm) of belt take-up
- 6" (152 mm) diameter drive pulley turns approximately 18.8" (479 mm) of belt per revolution
- **CE** models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Quick five-minute belt change
- Center Drive Module frees up both ends of conveyor for operator and machine interface
- The Center Drive Module can be easily repositioned along the length of the conveyor
- Maintenance free pneumatic belt tensioner maintains uniform belt tension (Manual spring tension available)
- V-groove bedplate 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 twists
- 16" of belt take-up extends conveyor belt life
- Stand mounting brackets and return belt rollers are easily re-positioned along the frame
- Special length conveyors in 0.12" (3 mm) increments at standard price and delivery
- Two T-Slots on each side for easy mounting of pre-engineered accessories

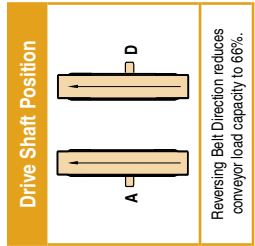
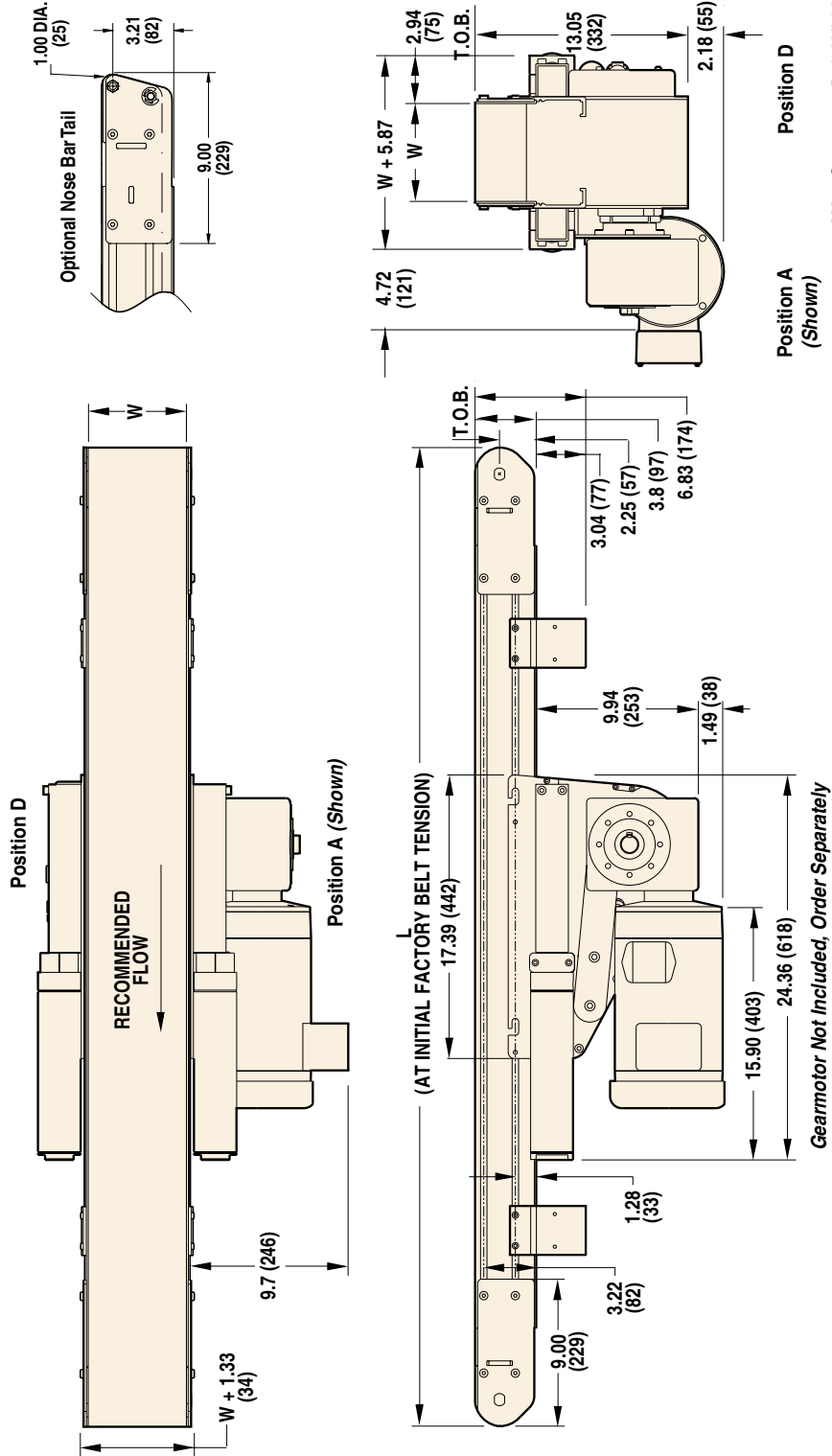


Includes sealed bearings, 1" (25 mm) diameter rollers and is available at both ends for small part transfers.

*Order gearmotor mounting packages and gearmotors separately, see pages 98-109.
For support stands and accessories, see pages 113-122.*

For ordering information, see page 123

3200 SERIES: FLAT BELT CENTER DRIVE



STANDARD SIZES			
Conveyor Width Reference	04	06	02 increments up to... 48
Conveyor Belt Width (W)	3.75" (95mm)	6" (152mm)	2" (51mm) increments up to... (1,219mm)
Conveyor Length Reference	0400		0001 increments up to... 9900
Conveyor Length (L)	4' (1,219mm)		0.12" (3mm) increments up to... 99' (30,175mm)

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations.
NOTE: Conveyors wider than 40" require v-guide belt tracking.

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.

3200 SERIES: CLEATED BELT END DRIVE



Specifications:

- Loads up to 400 lbs* (181 kg)
- Belt speeds up to 600 ft/min (183 m/min)
- Belt widths: 3.75" (95 mm) to 24" (610 mm)
- Conveyor lengths: 3' (914 mm) to 40' (12,192 mm)
- Cleats available from 0.24" (6 mm) to 2.36" (60 mm) high
- 2" (51 mm) minimum cleat spacing
- 1.62" (41 mm) of belt take-up on conveyors up to 20' long
- 3.24" (82 mm) of belt take-up on conveyors over 20' long
- 3" (76 mm) diameter drive pulley turns approximately 9.7" (246 mm) of belt per revolution
- **CE** models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

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
- V-guided belts eliminate belt tracking
- Strong, box-like construction resists damaging frame twist
- Stand mounting brackets and return belt rollers are easily re-positioned along the frame
- Special length conveyors in 0.12" (3 mm) increments at standard price and delivery
- Two T-Slots on each side for easy mounting of pre-engineered accessories



OPTIONAL:
Sidewall Cleated Belt

Used for small part handling. Available in 6" (152 mm) and wider belt widths.

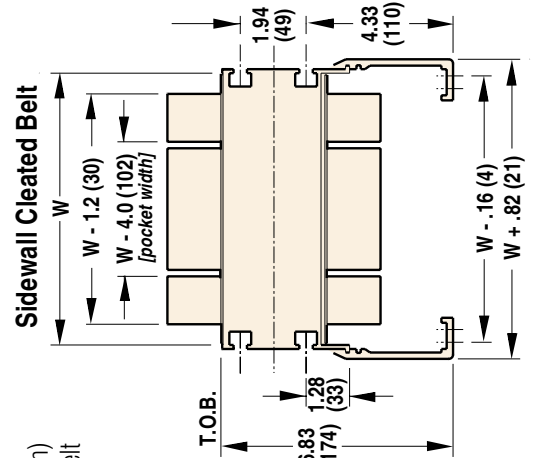
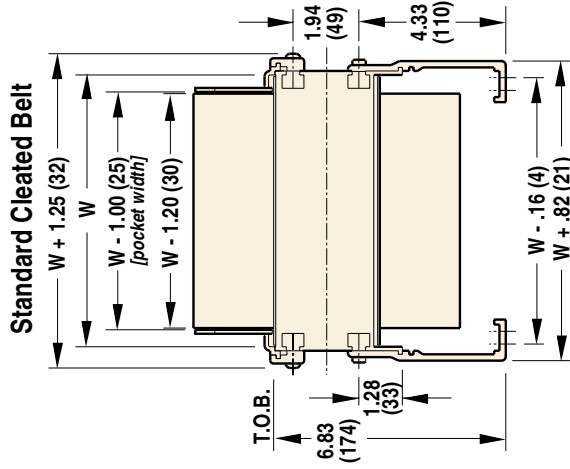
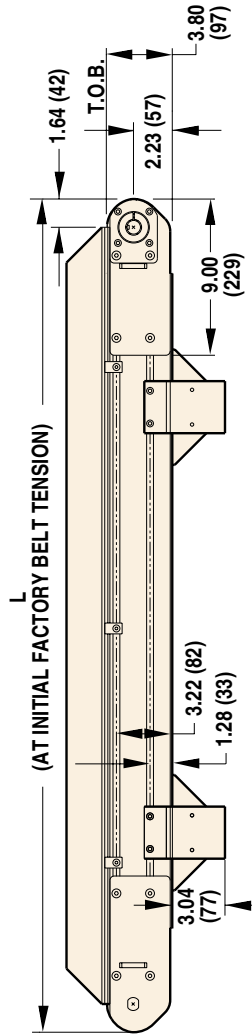
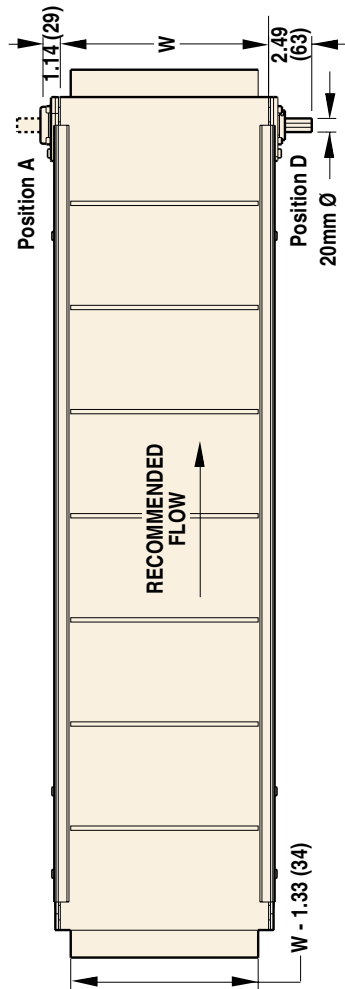


STANDARD FEATURE:
Rack and Pinion

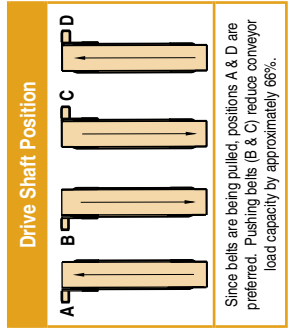
Allows the tail section to be easily slid back for quick belt removal.

*Order gearmotor mounting packages and gearmotors separately, see pages 98-109.
For support stands and accessories, see pages 113-122.*

For ordering information, see page 124



W = Conveyor Belt Width Dim = in (mm)
Note: 6" min width for Sidewall Cleated Belt



STANDARD SIZES				
Conveyor Width Reference	04	06	02 increments up to...	24
Conveyor Belt Width (W)	3.75" (95mm)	6" (152mm)	2" (51mm) increments up to...	24" (1,219mm)
Conveyor Length Reference	0300	3'	0001 increments up to...	4000
Conveyor Length (L)			0.12" (3mm) increments up to...	40' (6102mm)

NOTE: Conveyor longer than 12' (3,658mm) will be constructed using a multiple piece frame. Consult factory for locations.

3200 SERIES: Z-FRAME FLAT BELT END DRIVE



Specifications:

- Loads up to 400 lbs* (181 kg)
- Belt speeds to 600 ft/min (183 m/min)
- Belt widths: 3.75" (95 mm) to 48" (1,219 mm)
- Conveyor lengths: 4' (1,219 mm) to 40' (12,192 mm)
- Adjustable angle, 0° to 35°
- 1.62" (41 mm) of belt take-up on conveyors up to 20' long
- 3.24" (82 mm) of belt take-up on conveyors over 20' long
- 3" (76 mm) diameter drive pulley turns approximately 9.7" (246 mm) of belt per revolution
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Nose-over and walk-thru configurations
- Quick five-minute belt change
- Adjustable angle frames conform to applications
- 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
- 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



**OPTIONAL:
Nose Bar Tail**

Includes sealed bearings, 1" (25 mm) diameter rollers and is available at both ends for small part transfers.

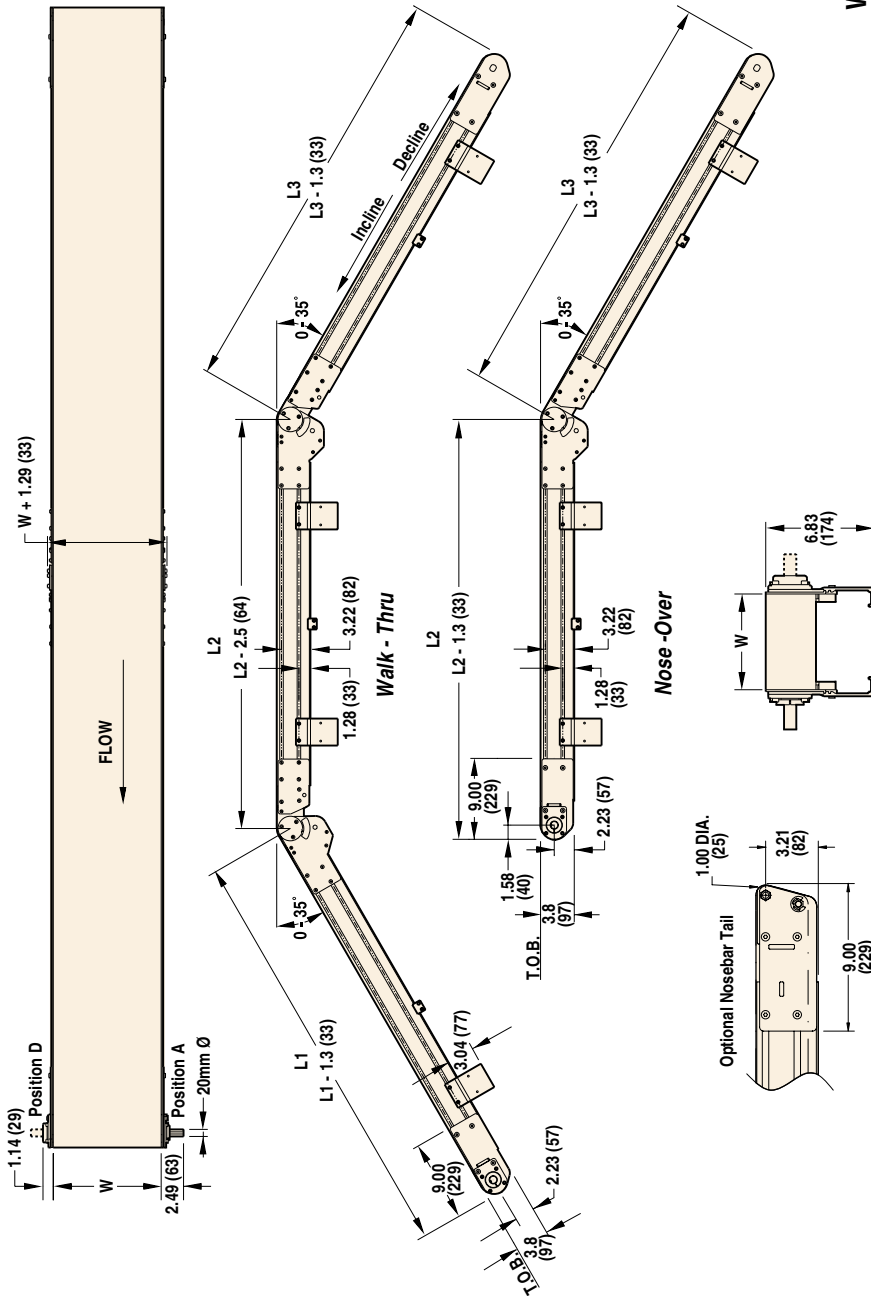


**STANDARD FEATURE:
Adjustable Angles**

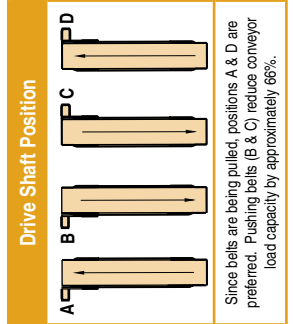
*Order gearmotor mounting packages and gearmotors separately, see pages 98-109.
For support stands and accessories, see pages 113-122.*

For ordering information, see page 124

3200 SERIES: Z-FRAME FLAT BELT END DRIVE



W = Conveyor Belt Width **Dim** = in (mm)
Note: Belt Direction is not reversible



Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.

STANDARD SIZES			
Conveyor Width Reference	04 06	02 increments up to...	48
Conveyor Belt Width (W)	3.75" (95mm)	6" (152mm) increments up to...	48" (1,219mm)
Conveyor Length Reference	0200	0001 increments up to...	3800
Conveyor Length (L)	2' (610mm)	0.12" (3mm) increments up to...	38' (11,582mm)
L1 + L2 + L3 = Maximum 40' (12,192mm) long conveyor			

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations.
NOTE: Conveyors wider than 40" require v-guide belt tracking.

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.

3200 SERIES: Z-FRAME FLAT BELT CENTER DRIVE



Specifications:

- Loads up to 1,000 lbs* (455 kg)
- Belt speeds to 600 ft/min (183 m/min)
- Belt widths: 3.75" (95 mm) to 48" (1,219 mm)
- Conveyor lengths: 6' (1,829 mm) to 99' (30,175 mm)
- Adjustable angle, 0° to 35°
- Drive module requires a 4' (1,219 mm) minimum section
- 6" (152 mm) diameter drive pulley turns approximately 18.8" (479 mm) of belt per revolution
- Belt direction is not reversible
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Nose-over and walk-thru configurations
- Low maintenance sealed bearings
- Center drives free up ends for machine and operator interface
- Center drive module can be easily repositioned along section length
- High strength anodized aluminum frame with clear coat finish
- Two T-Slots on each side for easy mounting of pre-engineered accessories
- Belt types and materials to match application requirements
- Adjustable angle frames conform to applications
- Adjustment cams provide precise belt tracking for non V-guided belts
- Pneumatic belt tensioner maintains uniform belt tension



**OPTIONAL:
Nose Bar Tail**

Includes sealed bearings, 1" (25 mm) diameter rollers and is available at both ends for small part transfers.

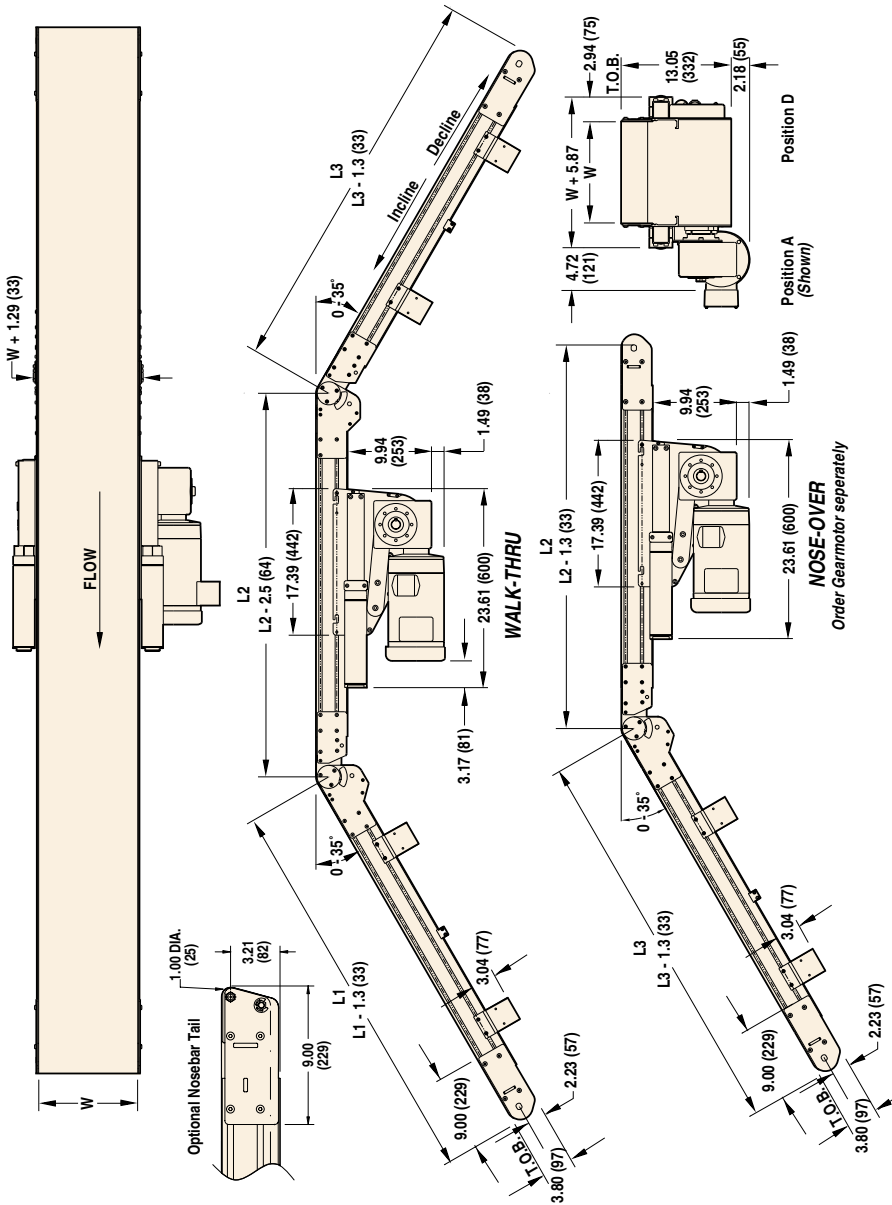


**STANDARD FEATURE:
Adjustable Angles**

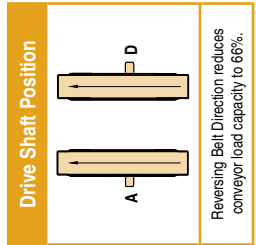
*Order gearmotor mounting packages and gearmotors separately, see pages 98-109.
For support stands and accessories, see pages 113-122.*

For ordering information, see page 125

3200 SERIES: Z-FRAME FLAT BELT CENTER DRIVE



W = Conveyor Belt Width **Dim** = in (mm)
Note: Belt direction is not reversible



STANDARD SIZES				
Conveyor Width Reference	04	06	02 increments up to ...	48
Conveyor Belt Width (W)	3.75" (95mm)	6" (152mm)	2" (51mm) increments up to ...	48" (1,219mm)
Conveyor Length Reference	0200	2' (610mm)	0001 increments up to ...	9700
Conveyor Length (L)	2' (610mm)	0.12" (3mm) increments up to ...	0.12" (3mm) increments up to ...	97' (29,566mm)
L1 + L2 + L3 = Maximum 99' (30,175mm) long conveyor				

NOTE: Center drive module requires a 4" (1,219 mm) minimum section.
NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations.
NOTE: Conveyors wider than 40" require v-guide belt tracking.

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.

3200 SERIES: Z-FRAME SIDEWALL CLEATED BELT END DRIVE



Specifications:

- Loads up to 100 lbs* (45 kg)
- Belt speeds up to 275 ft/min (83.8 m/min)
- Belt widths: 8" (203 mm) to 24" (610 mm)
- Conveyor lengths: 4' (1,219 mm) to 25' (7,620 mm)
- Adjustable angle, 25° to 60°
- Available with 20 mm, 30 mm and 40 mm cleat and sidewall heights
- 1.62" (41 mm) of belt take-up
- 3" (76 mm) diameter drive pulley turns approximately 9.7" (246 mm) of belt per revolution
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Z-Frame, nose-over and horizontal-to-incline configurations
- Low maintenance sealed bearings
- Rack and pinion belt design offers single point belt tensioning
- High strength anodized aluminum frame with clear coat finish
- Two T-Slots on each side for easy mounting of pre-engineered accessories
- V-guided belts eliminate tracking adjustments
- Quick belt change increases uptime



STANDARD FEATURE:
Adjustable Angles



STANDARD FEATURE:
Small Parts Handling

STANDARD SIZES

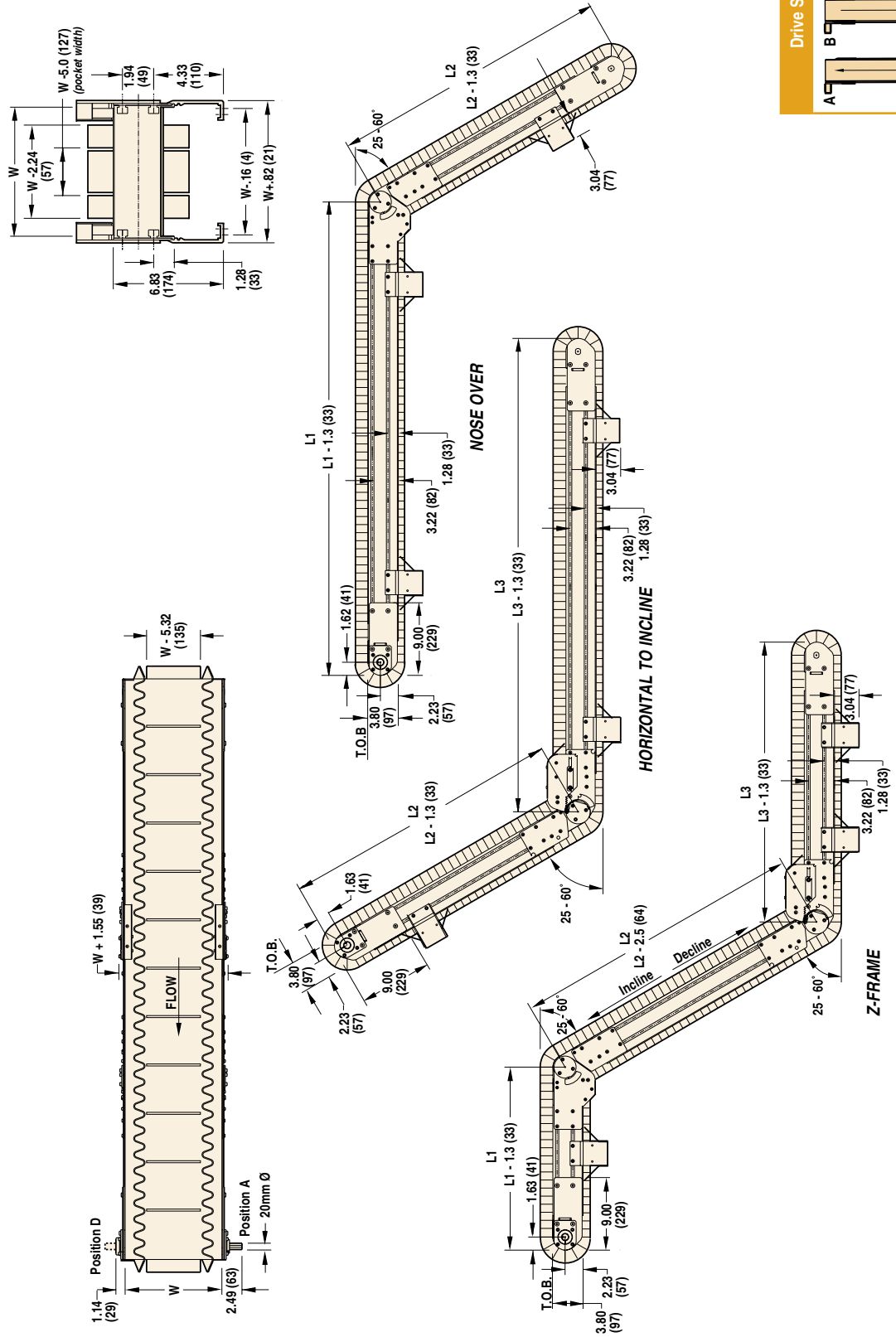
Conveyor Width Reference	08	02 increments up to...	24
Conveyor Belt Width (W)	8" (203mm)	2" (51mm) increments up to...	24" (610mm)
Pocket Width	3" (76mm)	2" (51mm) increments up to...	19" (482mm)
Conveyor Length Reference	0200	0001 increments up to...	1300
Section Length (L)	2' (610mm)	0.12" (3mm) increments up to...	13' (3,962mm)
L1 + L2 + L3 = Maximum 25' (7,620mm) long conveyor			

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations.

Order gearmotor mounting packages and gearmotors separately, see pages 98-109.
For support stands and accessories, see pages 113-122.

For ordering information, see page 125

3200 SERIES: Z-FRAME SIDEWALL CLEATED BELT END DRIVE



W = Conveyor Belt Width **Dim** = in (mm) **Note:** Belt direction is not reversible
Note: 35° to 60° for 18" (457 mm) to 24" (610 mm) wide conveyors

Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.

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.

3200 SERIES: Z-FRAME STANDARD CLEATED BELT END DRIVE



Specifications:

- Loads capacity up to 100 lbs* (45 kg)
- Belt speeds up to 275 ft/min (83.8 m/min)
- Belt widths: 8" (203 mm) to 24" (610 mm)
- Conveyor lengths: 4' (1,219 mm) to 25' (7,620 mm)
- Adjustable angle, 25° to 60°
- Cleats available from 0.24" (6 mm) to 2.36" (60 mm) high
- 1.62" (41 mm) of belt take-up
- 3" (76 mm) diameter drive pulley turns approximately 9.7" (246 mm) of belt per revolution
- **CE** models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

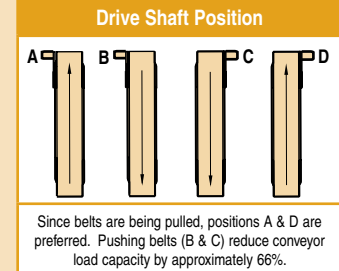
- Z-Frame, nose-over and horizontal-to-incline configurations
- Rack and pinion offers single point belt tensioning
- Low maintenance sealed bearings
- High strength anodized aluminum frame with clear coat finish
- Two T-Slots on each side for easy mounting of pre-engineered accessories
- V-guided belts eliminate tracking adjustments
- Adjustable angle frames conform to applications
- Quick belt change increases uptime



STANDARD SIZES

Conveyor Width Reference	08	02 increments up to...	24
Conveyor Belt Width (W)	8" (203mm)	2" (51mm) increments up to...	24" (610mm)
Pocket Width	6" (152mm)	2" (51mm) increments up to...	22" (559mm)
Conveyor Length Reference	0200	0001 increments up to...	1300
Section Length (L)	2' (610mm)	0.12" (3mm) increments up to...	13' (3,962mm)
L1 + L2 + L3 = Maximum 25' (7,620mm) long conveyor			

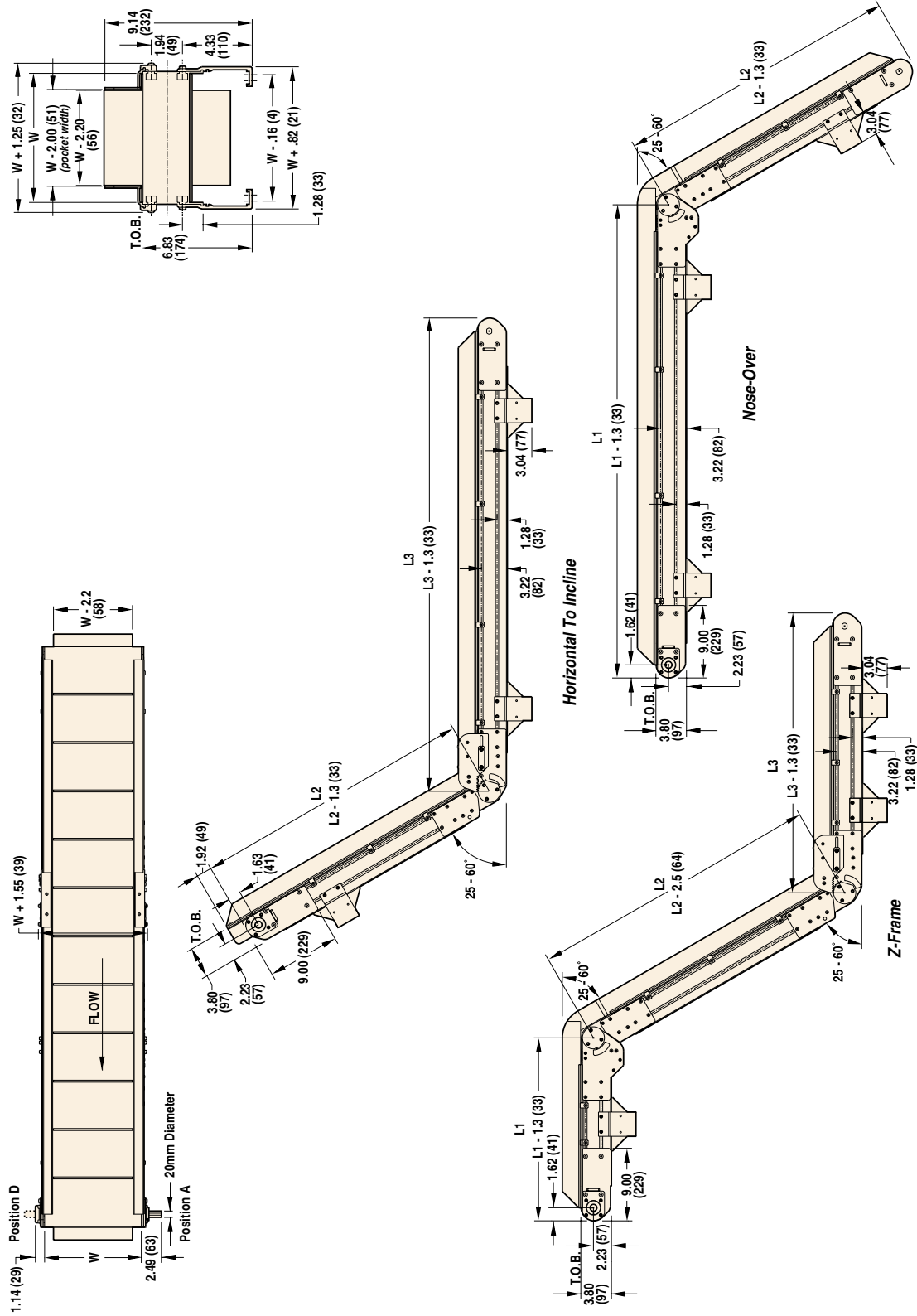
NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations.



Order gearmotor mounting packages and gearmotors separately, see pages 98-109.
For support stands and accessories, see pages 113-122.

For ordering information, see page 126

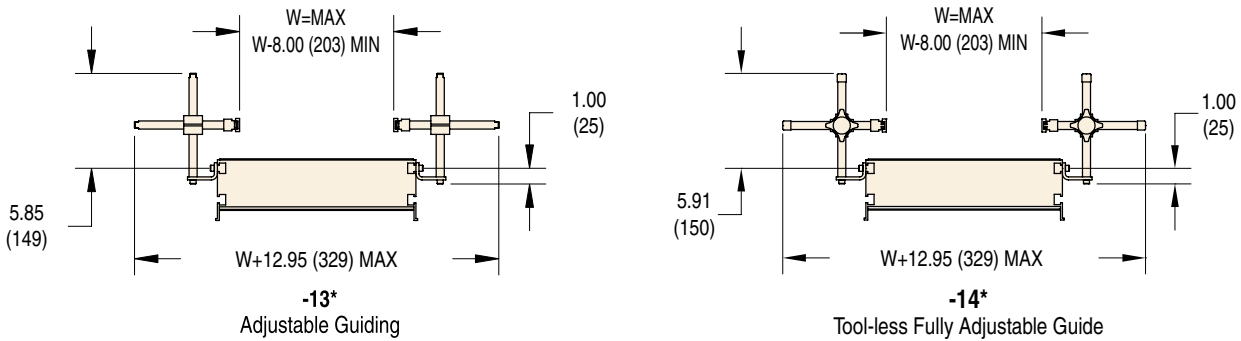
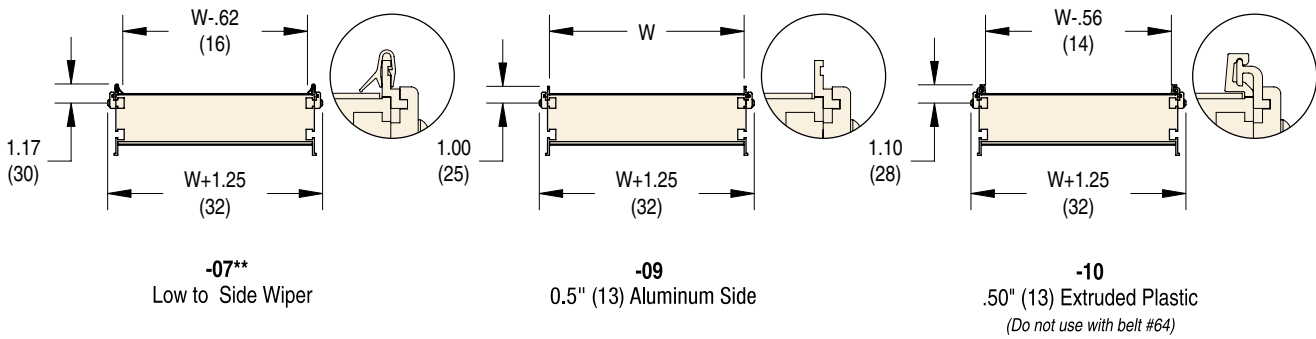
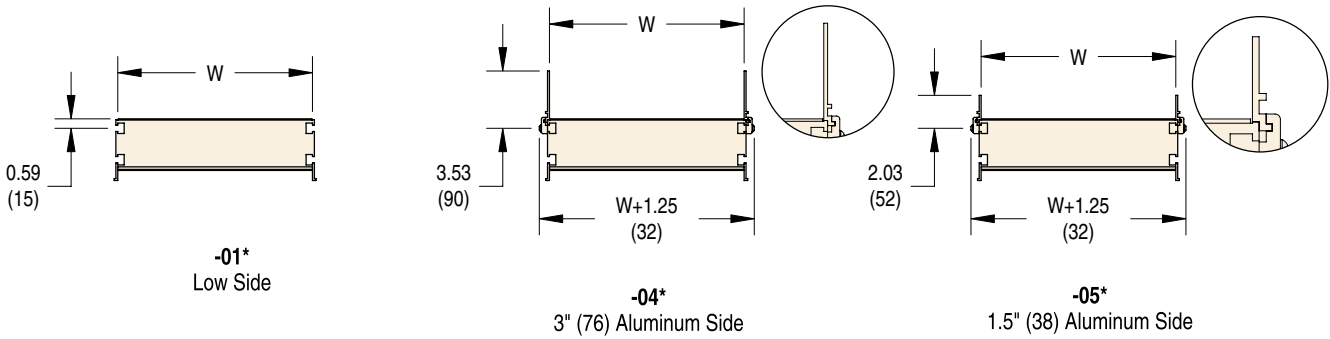
3200 SERIES: Z-FRAME STANDARD CLEATED BELT END DRIVE



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.

W = Conveyor Belt Width **Dim** = in (mm) **Note:** Belt direction is not reversible
Note: 35° to 60° for 18" (457mm) to 24" (610mm) wide conveyors

3200 SERIES: PROFILES



* Z-frame compatible profiles
 ** Do not use with High Friction Belts
 W = Conveyor Belt Width
 Dim = in (mm)



Standard Belt Selection Guide

Standard belt material is stocked at Dorner, then cut & 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	0.067" (1.7)	Urethane	Polyester	212°F (100°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	0.067" (1.7)	Urethane	Polyester	212°F (100°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*
09			iDrive General Purpose	0.055 (1.4)	Urethane	Polyester	212°F (100°C)	High	x			Good	Lower No Load Torque

Dim = in (mm)

Note: See below for splice details. Plastic Clipper splice requires longer lead times. Clipper splice not available on Z-frame Series Conveyors.

Note: Conveyors wider than 40" (1,016mm) require V-Guide belt tracking

Note: Belts with V-guiding may have a slight high spot or rib on the top surface. This rib would run longitudinally along the center of the belt.

Consult factory with applications for which this may cause interference.

*Incline varies due to factors like dust, fluids and part material.

BELT SPLICING



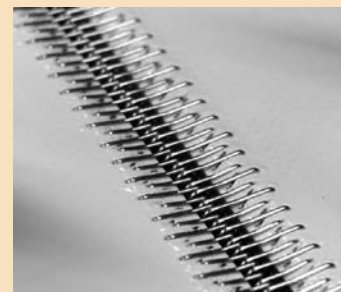
Finger Splice

All belts are available with a standard Thermoformed finger splice. This splice makes the belt continuous and is virtually undetectable. Splice bonding methods vary by belt type. Consult factory for details.



Plastic Clipper**

An optional plastic clipper splice is available for quick removal of belts or when conveyors are installed in tight spaces.



Metal Clipper**

An optional metal clipper splice is also available for quick removal of belts or when conveyors are installed in tight spaces.

** See belt charts for compatibility. Not for use with 3200 Series Nose Bar Transfer option. Plastic and Metal Clippers are slightly thicker than base belt. Contact factory for details.

3200 SERIES: SPECIALTY BELTING



Specialty Belt Selection Guide

Specialty belt material is not stocked at Dorner and needs to be custom ordered for your special conveyor needs.

Belt Type - Finger Splice	Belt Type - Plastic Clipper	Belt Type - Metal Clipper	Belt Specifications	V-guided	Belt Thickness	Surface Material	Maximum Part Temperature	Coefficient of Friction	FDA Approved	Chemical Resistance	Special Characteristics or Applications
18	B8	8B	Material Handling, High Friction	x	0.08 (2)	PVC	158°F (70°C)	High		Poor	Low cost alternative, general purpose, dark green colored
50			Heat Resistant		0.05 (1.3)	Silicone	356°F (180°C)	Low		Good	
51			Heat Resistant		0.04 (1.0)	Mesh	600°F (316°C)	n/a		V-Good	0.18" (5mm) square mesh, UV curing, airflow
53			Translucent, Nose Bar, Accumulation		0.02 (0.5)	Urethane	212°F (100°C)	V-Low	x	Good	Back lit inspection and very small product transfer
54	F4	4F	FDA Sealed Edge	x	0.06 (1.6)	Urethane	176°F (80°C)	Low	x	Good	Packaging, clean room and inspection
55	F5	5F	FDA Sealed Edge	x	0.06 (1.6)	Urethane	176°F (80°C)	High	x	Good	Packaging, clean room and inspection
56		6F	Cut Resistant	x	0.08 (2.1)	Urethane	212°F (100°C)	Med.		Good	Oily product release, metal stamping
57		7F	Cut Resistant*	x	0.10 (2.5)	Nitrile	176°F (80°C)	Med.		Poor	Felt-like, dry metal stamping, glass and ceramic
58		8F	Cut Resistant		0.06 (1.5)	Urethane	176°F (80°C)	Low		V-Good	Cross-linked surface, gold colored
59	F9	9F	Color Contrasting	x	0.06 (1.5)	PVC	158°F (70°C)	Med.		Poor	Black colored, hides overspray from ink jet
60	G0	0G	Color Contrasting	x	0.05 (1.3)	Urethane	212°F (100°C)	Low	x	Good	Green colored
61	G1	1G	Color Contrasting	x	0.05 (1.3)	Urethane	212°F (100°C)	Low	x	Good	Blue colored
63		3G	Electrically Conductive	x	0.05 (1.2)	Urethane	176°F (80°C)	Low		Good	Static conductive, electronics handling
64		4G	High Friction	x	0.17 (4.4)	PVC	194°F (90°C)	V-High		Poor	Dark Green colored, rough top surface, product cushioning, incline/decline apps
65		5G	Chemical Resistant	x	0.05 (1.3)	Polypropylene	248°F (120°C)	Low	x	V-Good	Very good cut resistance, excellent product release
66		6G	Chemical Resistant	x	0.07 (1.7)	Polyester	212°F (100°C)	Med.	x	V-Good	Good cut resistance, metal stamping apps
67		7G	Low Friction Cleated (Do not use with Z-frame)	x	0.06 (1.6)	Polyester	212°F (100°C)	n/a	x	Good	Excellent product release, consult factory for part number and how to specify low friction
68	G8		FDA Encased**	x	0.06 (1.5)	Urethane	176°F (80°C)	Low	x	Good	Urethane enclosed for added sanitary protection
69	G9		FDA Encased**	x	0.09 (2.2)	Urethane	212°F (100°C)	Med.	x	Good	Urethane enclosed for added sanitary protection

Dim = in (mm)

Note: Clipper Splices not available on Z-frame Series Conveyors.

Note: Conveyors wider than 40" (1,016 mm) require V-Guide belt tracking

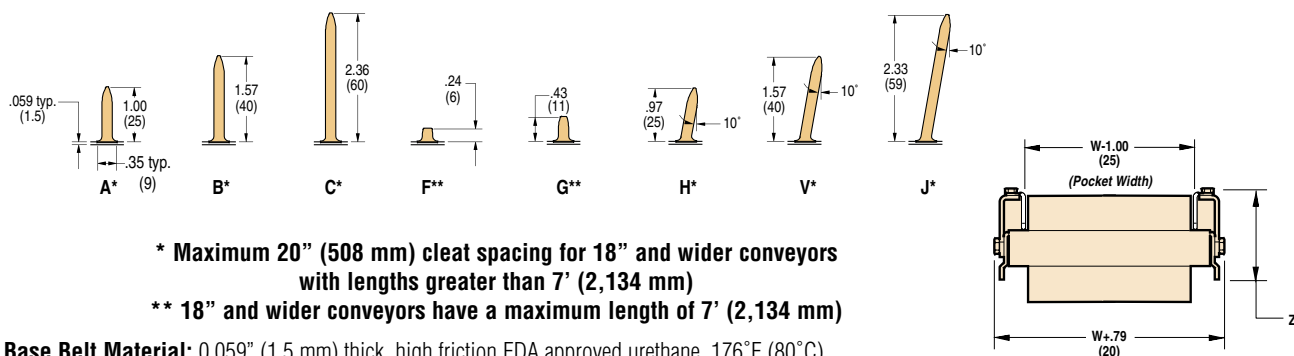
Note: Belts with V-guiding may have a slight high spot or rib on the top surface. This rib would run longitudinally along the center of the belt.

Consult factory with applications for which this may cause interference.

* 12" (305 mm) wide conveyor maximum for non V-guided

** Not available in 2" (51 mm) widths

3200 SERIES: CLEATED BELTING



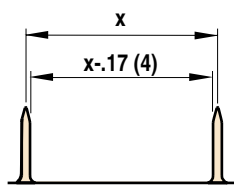
* Maximum 20" (508 mm) cleat spacing for 18" and wider conveyors with lengths greater than 7' (2,134 mm)
 ** 18" and wider conveyors have a maximum length of 7' (2,134 mm)

Base Belt Material: 0.059" (1.5 mm) thick, high friction FDA approved urethane, 176°F (80°C) maximum part temperature. See Specialty Belt 67 for low friction base belt material.

Note: Minimum cleat spacing is approximately 2" (50 mm). Consult Factory.

Z = 2.68" (68) for A, F, G & H Cleats
 4.04" (102) for B, C, V & J Cleats
 W = Conveyor Belt Width

CLEAT SPACING



Tolerance ± .08 (2)

Steps:

- 1) Refer to Formulas below
- 2) Use formula 1 to determine the approximate number of cleats required based upon the desired cleat spacing. Since a partial cleat cannot be used, round the number of cleats up or down
- 3) Use formula 2 to get the cleat space reference for the conveyor part number

Formula 1

$$\text{Number of Cleats} = \frac{(\text{Conveyor Length in feet} \times 24) + 3.11}{\text{Desired cleat spacing in inches (x)}}$$

Example

Using a 6' long conveyor and 6" cleat spacing

$$\text{Number of Cleats} = \frac{(6 \times 24) + 3.11}{6} = \frac{147}{6} = \mathbf{25 \text{ Cleats (rounded)}}$$

Formula 2

$$\text{Cleat Space Reference (x)} = \frac{(\text{Conveyor Length in feet} \times 24) + 3.11}{\text{Number of Cleats from Formula 1}}$$

Example

Using a 6' long conveyor and 24 cleats

$$\text{Cleat Spacing in inches (x)} = \frac{(6 \times 24) + 3.11}{24 \text{ cleats}} = \frac{147}{24} = \mathbf{6.13 \text{ or } 0613 \text{ Cleat Reference}}$$

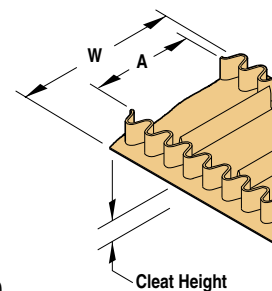
SIDEWALL CLEATED BELTING



Sidewall Cleated Belts are used for small part handling.

W = Conveyor Belt Width

A = Pocket Width



= W - 4.0" (102 mm) for 3200

= W - 5.0" (127 mm) for Z-frame

Sidewall Cleated Belt

Cleat Type	Cleated & Sidewall Height	Belt Thickness	Surface Material	Color	Maximum Part Temperature	FDA Approved	Chemical Resistance
S	30mm	0.06 (1.5)	Urethane	White	212°F (100°C)	x	Good
T	40mm	0.06 (1.5)	Urethane	White	212°F (100°C)	x	Good

Note: Minimum cleat spacing is approximately 2" (50 mm). Consult factory for special cleat information.

Note: 6" (152 mm) minimum width for 3200 conveyors and 8" (203 mm) minimum width for Z-frame conveyors. 24" (610 mm) maximum conveyor width.

3200 SERIES: GEARMOTOR MOUNTING PACKAGES

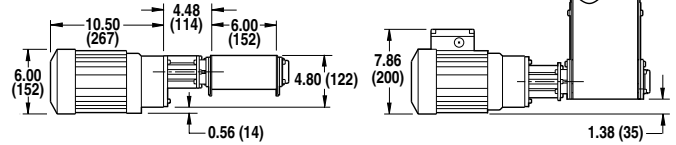
GEARMOTOR MOUNTING PACKAGE & GEARMOTOR SELECTION STEPS

- Step 1:** Select a **Gearmotor Mounting Package**. For End drive conveyors, select a side, bottom or top drive mount (pages 99-101). If a Center Drive conveyor is being outfitted, refer to the Center Drive section on page 101. Be sure to note if it is for a **90°** or **Parallel Shaft Gearmotor**.
- Step 2:** Using **Belt Speed and Load** Requirements, determine the required **Gearmotor Type** (Light, Heavy or Standard) for your application using the chart below.
- Step 3:** Find the appropriate set of Belt Speed Charts (page 101) for the Mounting Package you selected and choose between the **Fixed** or **Variable Speed** chart.
- Step 4:** Go down the first column of the Belt Speed Chart and locate the required **Belt Speed** for your application. If the desired belt speed is not listed, round up to the next higher speed.
- Step 5:** From the row containing your required **Belt Speed**, check to be sure that speed is available for the **Mount Package** you chose. (End Drive Only - Top, Bottom or Side)
- Step 6:** Use the Drive / Driven Pulley Kit combination to complete your Mounting Package Part Number
- Step 7:** Note the **RPM from Gearmotor**, it will be needed to select the correct Gearmotor from the Gearmotor Chart.
- Step 8:** Reference the **Gearmotor Chart #** to locate a compatible Gearmotor Chart on pages 102-109. Be sure to select a Gearmotor Chart to match your **Gearmotor Type** (Light, Standard or Heavy) and your **Mounting Package** while meeting your electrical requirements.
(Red = Parallel Shaft or Blue = 90°)
- Step 9:** Using the **RPM from Gearmotor** (Step 6), locate the **Part Number** for your Gearmotor from the Gearmotor Table.

	GEARMOTOR TYPE	Conveyor Load - Lbs (Kg)									
		Light Load									
		Standard Load									
		Heavy Load									
		10 (4.5)	25 (11.4)	50 (22.7)	75 (34.1)	100 (45.5)	150 (68.2)	200 (90.9)	400 (181.9)	550 (250)	700 (318.2)
Belt Speed - Ft/min (m/min)	0-15 (0-4.6)										
	16-30 (4.9-9.1)										
	31-45 (9.5-13.7)										
	46-60 (14-18.3)										
	61-75 (18.6-22.9)										
	76-90 (23.2-27.4)										
	91-110 (27.7-33.5)										
	111-130 (33.8-39.6)										
	131-150 (39.9-45.7)										
	151-175 (46-53.4)										
	176-200 (53.7-61)										
	201-225 (61.3-68.6)										
	226-250 (68.9-76.2)										
	251-275 (76.5-83.8)										
	276-300 (84.1-91.4)										
	301-350 (91.7-106.7)										
	351-400 (107-121.9)										
401-450 (122.2-137.1)											

3200 SERIES: GEARMOTOR MOUNTING PACKAGES

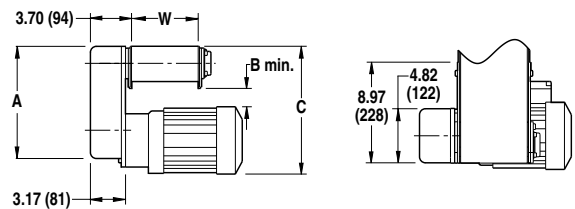
Side Mount Package, Parallel Shaft Gearmotor



- Includes gearmotor mounting bracket, 3 jaw flexible coupling, coupling guard and mounting hardware

W = Conveyor Belt Width

Bottom Mount Package, Parallel Shaft Gearmotor

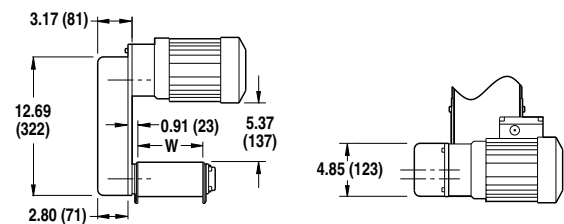


A: Flat Belt = 10.00 (254)	B: Flat Belt = 1.64 (42)	C: Flat Belt = 11.39 (289)
Cleated Belt = 12.69 (322)	Cleated Belt = 4.33 (110)	Cleated Belt = 14.08 (357)

- Includes gearmotor mounting bracket, timing belt, pulleys, guard and mounting hardware
- Conveyor belt speed can be adjusted with optional ratio pulley kits

W = Conveyor Belt Width

Top Mount Package, Parallel Shaft Gearmotor



- Includes gearmotor mounting bracket, timing belt, pulleys, guard and mounting hardware
- Conveyor belt speed can be adjusted with optional ratio pulley kits

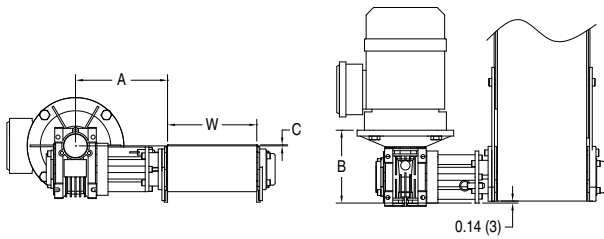
W = Conveyor Belt Width

Note: Conveyor and gearmotor are not included in the mounting package and must be ordered separately. Dimensions = in (mm)

For ordering information, see page 126

3200 SERIES: GEARMOTOR MOUNTING PACKAGES

Side Mount Package, 90° Gearmotor



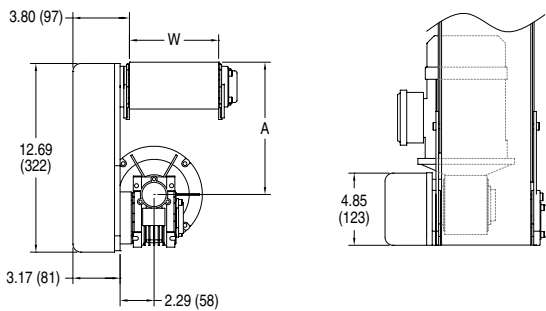
A: Standard Load	= 5.26 (134)	B: Standard Load	= 4.39 (111)	C: Standard Load	= 0.46 (12)
Heavy Load	= 6.18 (157)	Heavy Load	= 4.90 (124)	Heavy Load	= 0.07 (2)



- Includes gearmotor mounting bracket, 3-jaw flexible coupling, coupling guard and mounting hardware

W = Conveyor Belt Width

Bottom Mount Package, 90° Gearmotor



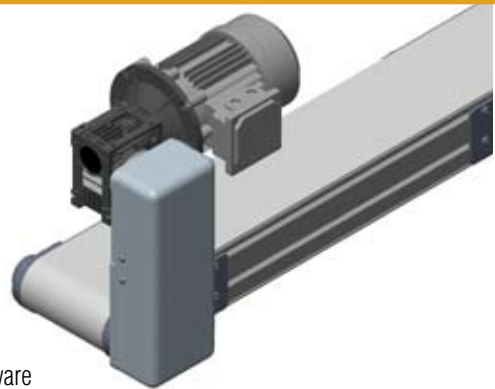
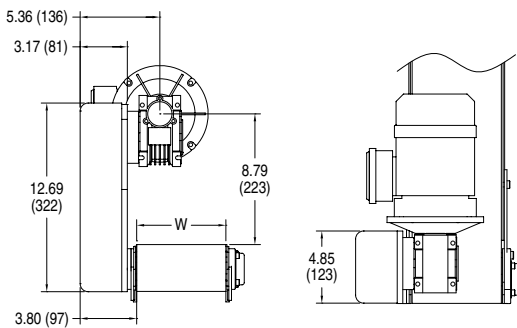
A: Flat Belt	= 8.90 (226)
Cleated Belt	= 10.47 (266)



- Includes gearmotor mounting bracket, timing belt, pulleys, guard and mounting hardware
- Conveyor belt speed can be adjusted with optional ratio pulley kits

W = Conveyor Belt Width

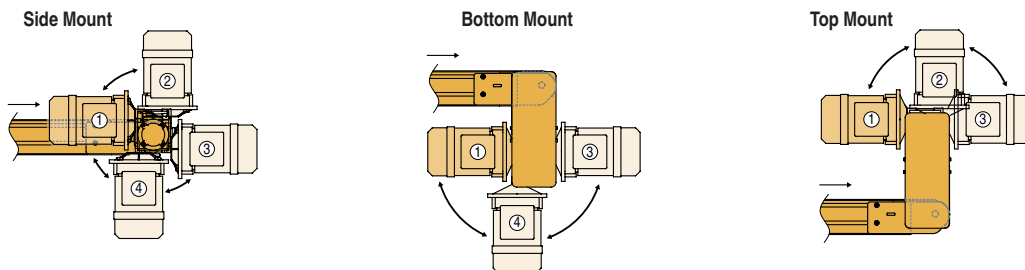
Top Mount Package, 90° Gearmotor



- Includes gearmotor mounting bracket, timing belt, pulleys, guard and mounting hardware
- Conveyor belt speed can be adjusted with optional ratio pulley kits

W = Conveyor Belt Width

90° Gearmotor Location Options



Note: Conveyor and gearmotor are not included in the mounting package and must be ordered separately. Dimensions = in (mm)

For ordering information, see page 126

3200 SERIES: BELT SPEED CHARTS

Refer to the Gearmotor Selection Steps on page 98 for instructions on using the Belt Speed Charts.

END DRIVE BELT SPEED CHARTS

Fixed Speed

Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart	
Ft/min	m/min		Top & Bottom	Side & Gang	Drive Pulley	Driven Pulley	Light Load	Standard Load
8	2.4	10	x	x	16	16		7
11	3.4	10	x		24	16		7
23	7.0	29	x	x	16	16	1	6, 7
34	10.4	43	x	x	16	16	1	6
46	14.0	58	x	x	16	16		7
52	15.8	43	x		24	16	1	6
69	21.0	86	x	x	16	16	1	6, 7
103	31.4	86	x		24	16	1	6, 7
137	41.8	173	x	x	16	16	1	6, 7
172	52.4	173	x		20	16	1	6, 7
206	62.8	173	x		24	16	1	6, 7
275	83.8	345	x	x	16	16		6, 7
343	104.5	345	x		20	16		6, 7
412	125.6	345	x		24	16		6, 7

CE Gearmotor RPM at 50 Hz.								
19	5.8	23*	x	x	16	16	2	8
28	8.5	35*	x	x	16	16	2	8
42	12.8	35*	x		24	16	2	8
56	17.1	70*	x	x	16	16	2	8
84	25.6	70*	x		24	16	2	8
111	33.8	140*	x	x	16	16	2	8
139	42.4	140*	x		20	16	2	8
167	50.9	140*	x		24	16	2	8
223	68.0	280*	x	x	16	16	2	8
279	85.0	280*	x		20	16	2	8
334	101.8	280*	x		24	16	2	8
382	116.4	280*	x		24	16	2	8

Note: Cleated Belts operate at maximum 280 ft/min (86 m/min)

Red = Parallel Shaft, Blue = 90°

Variable Speed

Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart	
Ft/min	m/min		Top & Bottom	Side & Gang	Drive Pulley	Driven Pulley	Light Load	Standard Load
1.3 - 11	.4 - 3.4	14	x	x	16	16		12
2 - 17	.6 - 5.1	14	x		24	16		12
2.3 - 23	.7 - 7.0	29	x	x	16	16	4	10, 13, 14
3.4 - 34	1.0 - 10.5	43	x	x	16	16	4	10, 14
4 - 33	1.2 - 10	42	x	x	16	16	3	9, 12
5 - 51	1.51 - 15.1	43	x		24	16	4	10, 14
6 - 50	1.8 - 15	63	x	x	16	16	3	9
7 - 68	2.1 - 20.9	86	x	x	16	16	4	10, 13, 14
8 - 66	2.4 - 20	83	x	x	16	16		12
9 - 75	2.7 - 23	63	x		24	16	3	9
10 - 103	3.1 - 31.4	86	x		24	16	4	10, 13, 14
12 - 100	3.6 - 30	125	x	x	16	16	3	9, 12
14 - 137	4.2 - 41.9	173	x	x	16	16	4	10, 13, 14
18 - 150	5.5 - 45	125	x		24	16	3	9, 12
21 - 206	6.3 - 63	173	x		24	16	4	10, 13, 14
24 - 200	7.3 - 61	250	x	x	16	16	3	9, 12
27 - 275	8.4 - 83.7	345	x	x	16	16	4	10, 13, 14
30 - 250	9.1 - 76	250	x		20	16	3	9, 12
34 - 343	10.5 - 104.6	345	x		20	16	4	10, 13, 14
36 - 300	11 - 92	250	x		24	16	3	9, 12
41 - 412	12.6 - 125.6	345	x		24	16	4	10, 13, 14
48 - 398	15 - 121	500	x	x	16	16		9

CE RPM from 50 Hz. gearmotors. VFD drive at 63 max. Hz. output.								
9.3 - 23	2.8 - 7.1	23*	x	x	16	16	5	11
13.9 - 35	4.2 - 11	35*	x	x	16	16	5	11
20 - 53	6.4 - 16	35*	x		24	16	5	11
28 - 70	8.5 - 21	70*	x	x	16	16	5	11
42 - 105	12.7 - 32	70*	x		24	16	5	11
55 - 140	17 - 43	140*	x	x	16	16	5	11
69 - 176	21 - 54	140*	x		20	16	5	11
84 - 210	25 - 64	140*	x		24	16	5	11
111 - 280	34 - 86	280*	x	x	16	16		11
139 - 351	42 - 107	280*	x		20	16		11
167 - 421	51 - 128	280*	x		24	16		11

CENTER DRIVE BELT SPEED CHARTS

Center Drive Package Selection Steps

- Step 1:** There is only one Mounting Package for 3200 & Z-frame Center Drive Conveyors which uses a 90° Heavy Load gearmotor.
- Step 2:** Refer to the set of Belt Speed Charts to the right for Center Drive Mounting Package and choose between the **Fixed** or **Variable Speed** chart.
- Step 3:** Go down the first column of the Belt Speed Chart and locate the required **Belt Speed** for your application. If the desired belt speed is not listed, round up to the next higher speed.
(Dorner offers much more than just the belt speeds listed in the tables, contact the factory for complete details)
- Step 4:** Note the **RPM from Gearmotor**, it will be needed to select the correct Gearmotor from the Gearmotor Chart.
- Step 5:** Reference the **Gearmotor Chart #** to locate a compatible Gearmotor Chart on pages 106-107. Be sure to select a Gearmotor that meets your electrical requirements.
- Step 6:** Using the **RPM from Gearmotor** (Step 4), locate the **Part Number** for your Gearmotor from the Gearmotor Table.

Fixed Speed

Belt Speed		RPM From Gearmotor	Gearmotor Chart #
Ft/min	m/min		
28	8.4	17	15
35	10.5	22	15
46	14.0	29	15
55	16.8	35	15
69	21.0	43	15
92	28.0	58	15
110	33.7	70	15
138	42.1	86	15
184	56.1	115	15
276	84.1	173	15
368	112.2	230	15

CE Gearmotor RPM at 50 Hz.			
22	6.8	14*	16
50	15.2	31*	16
75	22.8	47*	16
149	45.5	93*	16
320	97.6	200*	16

Variable Speed

Belt Speed		RPM From Gearmotor	Gearmotor Chart #
Ft/min	m/min		
2.8 - 28	.8 - 8.4	17	18, 19
3.5 - 35	1.1 - 10.5	22	18
4 - 40	1.2 - 12.2	25	17
4.6 - 46	1.4 - 14.0	29	18, 19
5 - 50	1.5 - 15.2	31	17
5.5 - 55.2	1.7 - 16.8	35	18
6.7 - 66.7	2.0 - 20.3	42	17
6.9 - 69	2.1 - 21.0	43	18, 19
9.2 - 92	2.8 - 28.0	58	18
11 - 110.4	3.4 - 33.7	70	18, 19
13.8 - 138	4.2 - 42.1	86	18, 19
18.4 - 184	5.6 - 56.0	115	18, 19
27.6 - 276	8.4 - 84.1	173	18
36.8 - 368	11.2 - 112.2	230	18

CE RPM from 50 Hz. gearmotors, VFD drive at 63 max. Hz. output.			
2.2-22.4	0.7-6.8	14*	20

3200 SERIES: GEARMOTORS

GEARMOTOR SELECTION STEPS

Refer to page **98** for instructions on Selecting a Gearmotor Mounting Package and Gearmotor.

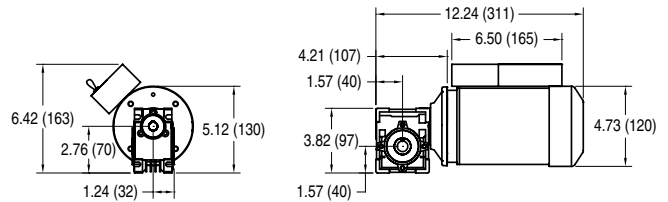
GEARMOTOR TYPE		Conveyor Load - Lbs (Kg)										
		10 (4.5)	25 (11.4)	50 (22.7)	75 (34.1)	100 (45.5)	150 (68.2)	200 (90.9)	400 (181.9)	550 (250)	700 (318.2)	
Belt Speed - Ft/min (m/min)	0-15 (0-4.6)											
	16-30 (4.9-9.1)											
	31-45 (9.5-13.7)											
	46-60 (14-18.3)											
	61-75 (18.6-22.9)											
	76-90 (23.2-27.4)											
	91-110 (27.7-33.5)											
	111-130 (33.8-39.6)											
	131-150 (39.9-45.7)											
	151-175 (46-53.4)											
	176-200 (53.7-61)											
	201-225 (61.3-68.6)											
	226-250 (68.9-76.2)											
	251-275 (76.5-83.8)											
	276-300 (84.1-91.4)											
	301-350 (91.7-106.7)											
	351-400 (107-121.9)											
401-450 (122.2-137.1)												

LIGHT LOAD, FIXED SPEED (For use on End Drive Conveyor Only)

Chart 1 90° (For use on side mount packages only)

- Sealed gearmotor
- NEMA 42 CZ C Face
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 208-230/460V 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 112

eDrive™



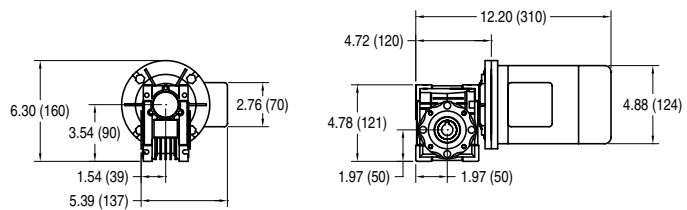
Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm	3 Phase Starter Chart
			Hp	kW	FLA	Hp	kW	FLA			
32M060EL4(vp)FN	29	L	0.25	0.19	5	0.25	0.19	1.2 / 0.6	226	25.5	L
32M040EL4(vp)FN	43	L	0.25	0.19	5	0.25	0.19	1.2 / 0.6	237	26.8	L
32M020EL4(vp)FN	86	L	0.25	0.19	5	0.25	0.19	1.2 / 0.6	142	16.0	L
32M010EL4(vp)FN	173	L	0.25	0.19	5	0.25	0.19	1.2 / 0.6	78	18.8	L

(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 208 - 230 / 460V, 3 phase

Chart 2 **CE** 90° (For use on side mount packages only)

- Sealed gearmotor
- Totally enclosed, fan cooled
- IEC 63 B5 C Face
- IP 55 Protection Rating
- 50 Hz
- Order starter separately, see page 112

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Part Number	RPM	Gearmotor Type	1Ph kW	1 Ph FLA	3Ph kW	3 Ph FLA	Nm	Starter Chart
62Z060ES4(vp)FN	23	L	0.18	1.6	0.18	1.4 / 0.8	26.4	I
62Z040ES4(vp)FN	35	L	0.18	1.6	0.18	1.4 / 0.8	28.9	I
62Z020ES4(vp)FN	70	L	0.18	1.6	0.18	1.4 / 0.8	19.4	I
62Z010ES4(vp)FN	140	L	0.18	1.6	0.18	1.4 / 0.8	10.7	I
62Z005ES4(vp)FN	280	L	0.18	1.6	0.18	1.4 / 0.8	5.6	I

(vp) = Voltage and Phase
 21 = 230V, 1 phase
 23 = 230V, 3 phase
 43 = 400V, 3 phase

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

FLA = Full Load Amperes

Note: Z-frame Conveyors are not reversible

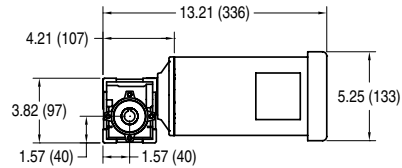
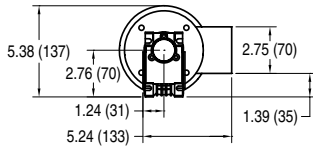
Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

3200 SERIES: GEARMOTORS

LIGHT LOAD, VARIABLE SPEED (For use on End Drive Conveyor Only)

Chart 3 90° (For use on side mount packages only)

- 130 Volts DC
- NEMA 42 C Z C Face
- Totally enclosed, fan cooled
- 300 - 2500 RPM motor
- Order controller separately, see page 110

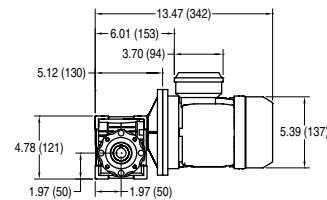
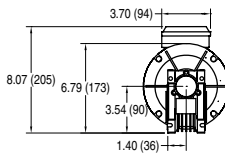


Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari-Speed Control Chart
22M060ESD3DEN	42	L	0.33	0.25	2.3	198	22.4	A
22M040ESD3DEN	63	L	0.33	0.25	2.3	163	18.4	A
22M020ESD3DEN	125	L	0.33	0.25	2.3	98	11.1	A
22M010ESD3DEN	250	L	0.33	0.25	2.3	54	6.1	A

Chart 4 90° (For use on side mount packages only)

- Variable frequency drive, 6 - 60 Hz
- Sealed gearmotor
- NEMA 56C C Face
- Totally enclosed, fan cooled
- 230/460 Volts, 3 phase
- Order controller separately, see page 111

eDrive™



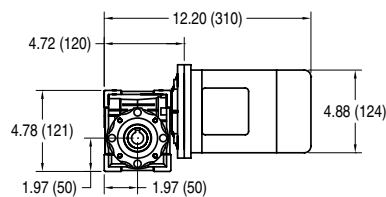
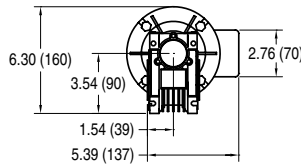
Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.*	Nm	Vari-Speed Control Chart
32M060EL423EN	29	K	0.5**	0.19	1.6 / 0.97	226	25.5	D and E
32M040EL423EN	43	K	0.5**	0.19	1.6 / 0.97	237	86.8	D and E
32M020EL423EN	86	K	0.5**	0.19	1.6 / 0.97	142	16.0	D and E
32M010EL423EN	173	K	0.5**	0.19	1.6 / 0.97	78	8.8	D and E
32M005EL423EN	345	K	0.5**	0.19	1.6 / 0.97	41	4.6	D and E

* = At 60 Hz ** = Motor de-rated to 0.25 Hp for full torque throughout speed range.

Chart 5 **CE** 90° (For use on side mount packages only)

- Variable frequency drive, 25 - 63 Hz
- Sealed gearmotor
- IEC 63 B5 C face
- IP 55 protection rating
- Totally enclosed, fan cooled
- 230/400 Volts, 3 phase
- Order controller separately, see page 110

eDrive™



Part Number	RPM	Gearmotor Type	3 Ph kW	3 Ph FLA	Nm*	Vari-Speed Control Chart
62Z060ES423EN	23	L	0.18	1.4	26.4	B
62Z040ES423EN	35	L	0.18	1.4	28.9	B
62Z020ES423EN	70	L	0.18	1.4	19.4	B
62Z010ES423EN	140	L	0.18	1.4	10.7	B

* = At 50 Hz

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

FLA = Full Load Amperes Note: Z-frame Conveyors are not reversible

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

STANDARD LOAD, FIXED SPEED (For use on End Drive Conveyor Only)

Chart 6 90°

- Sealed gearmotors
- NEMA 56 C face
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 208-230/460V 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 112

eDrive™
 (vp) = Voltage and Phase
 11 = 115V, 1 phase
 23 = 208 - 230 / 460V, 3 phase

Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm	Vari-Speed Control Chart
			Hp	kW	FLA	Hp	kW	FLA			
32M060ES4(vp)FN	29	S	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	226	25.5	M
32M040ES4(vp)FN	43	S	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	247	27.9	M
32M020ES4(vp)FN	86	S	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	248	27.9	M
32M010ES4(vp)FN	173	S	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	156	17.6	M
32M005ES4(vp)FN	345	S	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	81	9.1	M

Chart 7 Parallel Shaft

- Sealed gearmotor
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 230V 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 112

eDrive™
 (vp) = Voltage and Phase
 11 = 115V, 1 phase
 23 = 208 - 230 / 460V, 3 phase
 (n) = Reversing Capability
 N = No reversing switch
 R = With reversing switch (115V, 1 phase only)
 (x) = 3 for 1 phase, 6 for 3 phase

Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm	Vari-Speed Control Chart
			Hp	kW	FLA	Hp	kW	FLA			
62M180PS4(vp)F(n)	10	S	0.08	0.06	1.2	.17	0.13	1.0	341	38.5	L
62M060PS4(vp)F(n)	29	S	0.17	0.13	1.9	.17	0.13	1.0	270	30.5	L
(x)2M030PS4(vp)F(n)	58	S	0.33	0.25	4	.38	0.28	1.9	250	28.3	M
(x)2M020PS4(vp)F(n)	86	S	0.33	0.25	4	.38	0.28	1.9	167	18.9	M
(x)2M010PS4(vp)F(n)	173	S	0.33	0.25	4	.38	0.28	1.9	108	12.2	M
(x)2M005PS4(vp)F(n)	345	S	0.33	0.25	4	.38	0.28	1.9	56	6.3	M

Chart 8 CE 90°

- Sealed gearmotor
- IEC 71 B5 C face for 0.37 kW Motor
- IEC 63 B5 C face for 0.18 kW Motor
- IP55 protection rating
- Order starter separately, see page 112
- Totally enclosed, fan cooled
- Non-reversible
- 50 Hz

eDrive™
 (vp) = Voltage and Phase
 21 = 230V, 1 phase
 23 = 230V / 460V, 3 phase
 43 = 400V, 3 phase

Part Number	RPM	Gearmotor Type	1Ph kW	1 Ph FLA	3 Ph kW	3 Ph FLA	Nm	Starter Chart
62Z060ES4(vp)FN	23	L	0.18	1.6	0.18	1.4 / 0.8	26.8	I
62Z040ES4(vp)FN	35	L	0.18	1.6	0.18	1.4 / 0.8	29.4	I
32Z020ES4(vp)FN	70	S	0.37	2.6	0.37	2.1 / 1.2	29.9	J
32Z010ES4(vp)FN	140	S	0.37	2.6	0.37	2.1 / 1.2	21.5	J
32Z005ES4(vp)FN	280	S	0.37	2.6	0.37	2.1 / 1.2	11.2	J

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

FLA = Full Load Amperes **Note:** Z-frame Conveyors are not reversible

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

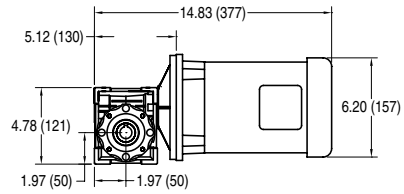
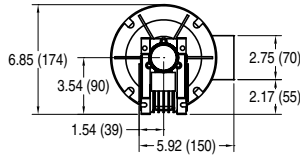
3200 SERIES: GEARMOTORS

STANDARD LOAD, VARIABLE SPEED (For use on End Drive Conveyor Only)

Chart 9

90°

- 90V DC
- Sealed gearmotor
- NEMA 56 C Face
- Totally enclosed, fan cooled
- Order controller separately, see page 110

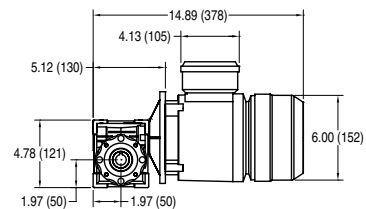
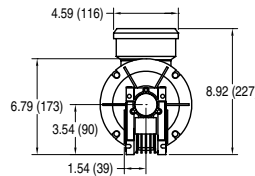


Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari-Speed Control Chart
32M060ESD9DEN	42	S	0.5	0.37	5.0	198	22.4	C
32M040ESD9DEN	63	S	0.5	0.37	5.0	215	24.3	C
32M020ESD9DEN	125	S	0.5	0.37	5.0	196	22.1	C
62M010EHD9DEN	250	S	0.75	0.5	7.5	108	12.2	C
62M005EHD9DEN	500	S	0.75	0.5	7.5	56	6.3	C

Chart 10

90°

- Variable frequency drive, 6 - 60 Hz
- Sealed gearmotor
- NEMA 56 C Face
- Totally enclosed, fan-cooled
- 230/460 Volts, 3 Phase
- Order controller separately, see page 111



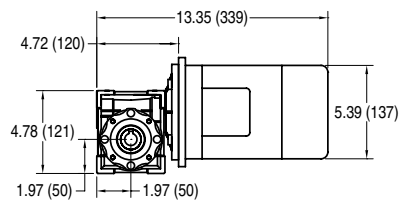
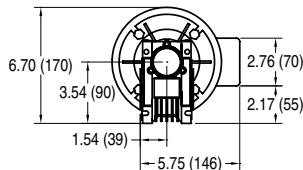
Part Number	RPM*	Gearmotor Type	3 Ph Hp	3 Ph kW	3 Ph FLA	in.-lbs.*	Nm*	Vari-Speed Control Chart
32M060ES423EN	29	S	0.75**	0.55	2.6 / 1.3	226	25.5	D and E
32M040ES423EN	43	S	0.75**	0.55	2.6 / 1.3	247	27.9	D and E
32M020ES423EN	86	S	0.75**	0.55	2.6 / 1.3	248	27.9	D and E
32M010ES423EN	173	S	0.75**	0.55	2.6 / 1.3	156	17.6	D and E
32M005ES423EN	345	S	0.75**	0.55	2.6 / 1.3	81	9.1	D and E

* = At 60 Hz ** = Motor is de-rated to 0.5 Hp (2.2 / 1.1 amp) for full torque throughout the speed range.

Chart 11

CE 90°

- Variable frequency drive, 25 - 63 Hz
- Sealed gearmotor
- IEC 63 B5 C face for 0.18 kW Motor
- IEC 71 B5 C face for 0.37 kW Motor
- IP 55 protection rating
- Totally enclosed, fan cooled
- 230/400 Volts, 3 Phase
- Order controller separately, see page 110



Part Number	RPM	Gearmotor Type	3 Ph kW	3 Ph FLA	Nm*	Vari-Speed Control Chart
62Z060ES423EN	23	L	0.18	1.4 / 0.8	26.8	B
62Z040ES423EN	35	L	0.18	1.4 / 0.8	29.4	B
32Z020ES423EN	70	S	0.37	2.1 / 1.2	29.9	B
32Z010ES423EN	140	S	0.37	2.1 / 1.2	21.5	B
32Z005ES423EN	280	S	0.37	2.1 / 1.2	11.2	B

* = At 50 Hz

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

FLA = Full Load Amperes **Note:** Z-frame Conveyors are not reversible

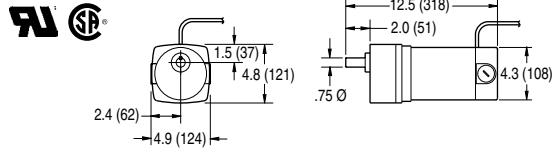
Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

STANDARD LOAD, VARIABLE SPEED (For use on End Drive Conveyor Only)

Chart 12

Parallel Shaft

- 130 Volts DC
- Sealed gearmotor
- Totally enclosed, non-ventilated
- 300 - 2500 RPM motor
- Order controller separately, see page 110

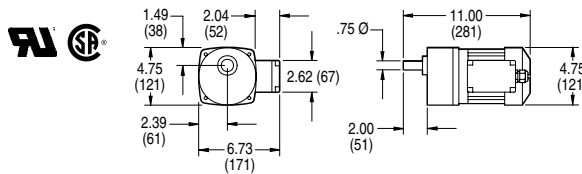


Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari-Speed Control Chart
62M180PSD3DEN	14	S	0.12	0.09	1.0	341	38.5	A
62M060PSD3DEN	42	S	0.25	0.19	1.8	270	30.5	A
62M030PSD3DEN	83	S	0.25	0.19	1.8	135	15.3	A
62M020PSD3DEN	125	S	0.25	0.19	1.8	90	10.2	A
62M010PSD3DEN	250	S	0.33	0.25	2.3	72	8.1	A

Chart 13

Parallel Shaft

- Variable frequency drive, 10 to 60 Hz
- Sealed gearmotor
- Totally enclosed, fan cooled
- 230 Volts / 3 Phase, VFD duty
- Order controller separately, see page 111



Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari-Speed Control Chart
62M180PS423EN	10	S	0.17	0.13	1.0	341	38.5	D and E
62M060PS423EN	29	S	0.17	0.13	1.0	270	30.5	D and E
62M030PS423EN	58	S	0.38	0.28	1.9	250	28.3	D and E
62M020PS423EN	86	S	0.38	0.28	1.9	167	18.9	D and E
62M010PS423EN	173	S	0.38	0.28	1.9	115	13.0	D and E
62M005PS423EN	345	S	0.38	0.28	1.9	58	6.5	D and E

FLA = Full Load Amperes **Note:** Z-frame Conveyors are not reversible

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

3200 SERIES: GEARMOTORS

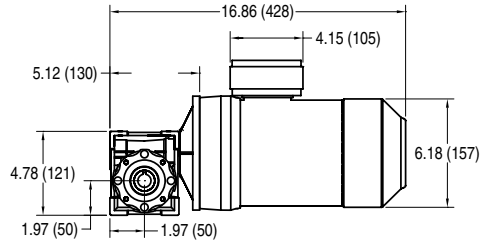
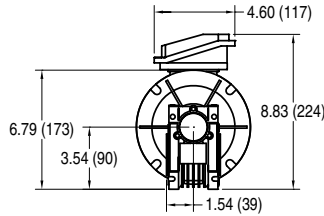
HEAVY LOAD, FIXED SPEED

Chart 15

90°

- NEMA 56 C face for .5 & 1 Hp
- NEMA 145TC C face for 1.5 Hp
- NEMA 145TC C face for 2 Hp
- Totally enclosed, fan cooled
- 115V, 1 Phase includes switch, cord and overload protection
- 208 - 230/460 V, 3 Phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 112

eDrive™

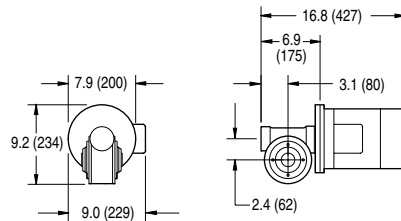


Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm	3 Phase Starter Chart
			Hp	kW	FLA	Hp	kW	FLA			
32M100EH4(vp)FN	17	H	0.5	0.37	8.0	0.5	0.37	2.0 / 1.0	913	103	M
32M080EH4(vp)FN	22	H	0.5	0.37	8.0	0.5	0.37	2.0 / 1.0	833	94	M
32M060EH4(vp)FN	29	H	0.5	0.37	8.0	0.5	0.37	2.0 / 1.0	679	76	M
32M050EH423FN	35	H	n/a	n/a	n/a	1.0	0.74	3.4 / 1.7	1205	136	P
32M040EH423FN	43	H	n/a	n/a	n/a	1.0	0.74	3.4 / 1.7	1023	115	P
32M030EH423FN	58	H	n/a	n/a	n/a	1.5	1.11	5.0 / 2.5	1216	137	Q
32M025EH423FN	70	H	n/a	n/a	n/a	1.5	1.11	5.0 / 2.5	1068	121	Q
32M020EH423FN	86	H	n/a	n/a	n/a	2.0	1.49	6.2 / 3.1	1183	134	Q
32M015EH423FN	115	H	n/a	n/a	n/a	2.0	1.49	6.2 / 3.1	909	103	Q
32M010EH423FN	173	H	n/a	n/a	n/a	2.0	1.49	6.2 / 3.1	636	72	Q
32M008EH423FN	230	H	n/a	n/a	n/a	2.0	1.49	6.2 / 3.1	482	54	Q

Chart 16

CE 90°

- Sealed gearmotor
- IEC 71 B5 C face for .37 kW
- IEC 80 B5 C face for .55 kW
- IEC 90 B5 C face for 1.1 kW
- IP55 protection rating
- Totally enclosed, fan cooled
- 50 Hz
- Order starter separately, see page 112



CE Note:

When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

Part Number	RPM	Gearmotor Type	3 Ph kW	3 Ph FLA	Nm	Starter Chart
32Z100HH4(vp)FN	14	H	0.37	2.1 / 1.2	113	J
32Z045HH4(vp)FN	31	H	0.55	2.6 / 1.5	110	R
32Z030HH4(vp)FN	47	H	0.55	2.6 / 1.5	81	R
32Z015HH4(vp)FN	93	H	1.10	4.7 / 2.7	92	K
32Z007HH4(vp)FN	200	H	1.10	4.7 / 2.7	46	K

(vp) = Voltage and Phase 23 = 230V, 3 phase 43 = 430V, 3 phase **FLA** = Full Load Amperes **Note:** Z-frame Conveyors are not reversible

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

HEAVY LOAD, VARIABLE SPEED

Chart 17 90°

- 90 VDC
- Sealed gearmotor
- NEMA 56C C face
- Totally enclosed, fan cooled
- 2500 RPM motor
- Order controller separately, see page 110

Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari-Speed Control Chart
32M100HHD9DEN	25	H	0.5	0.37	5.0	630	71	C
32M080HHD9DEN	31	H	0.5	0.37	5.0	574	65	C
32M060HHD9DEN	42	H	0.5	0.37	5.0	468	53	C
32M050HHD9DEN	50	H	0.75	0.50	7.5	624	70	C
32M040HHD9DEN	63	H	0.75	0.50	7.5	529	60	C

Chart 18 90°

- Variable frequency drive, 15 - 60 Hz
- NEMA 56 C face for .5 Hp + 1 Hp
- NEMA 145TC C face for 1.5 + 2 Hp
- Totally enclosed, fan cooled
- 230/460 Volts, 3 phase
- Order controller separately, see page 111

eDrive™

Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.*	Nm*	Vari-Speed Control Chart
32M100HH423EN	17	H	0.5	0.37	1.6 / 0.8	913	103	D or E
32M080HH423EN	22	H	0.5	0.37	1.6 / 0.8	833	94	D or E
32M060HH423EN	29	H	0.5	0.37	1.6 / 0.8	679	76	D or E
32M050HH423EN	35	H	1.0	0.74	3.2 / 1.6	1205	136	D
32M040HH423EN	43	H	1.0	0.74	3.2 / 1.6	1023	115	D
32M030HH423EN	58	H	1.5	1.11	4.2 / 2.1	1216	137	D
32M025HH423EN	70	H	1.5	1.11	4.2 / 2.1	1068	121	D
32M020HH423EN	86	H	2.0	1.49	5.0 / 2.5	1183	134	D
32M015HH423EN	115	H	2.0	1.49	5.0 / 2.5	909	103	D
32M010HH423EN	173	H	2.0	1.49	5.0 / 2.5	636	72	D
32M008HH423EN	230	H	2.0	1.49	5.0 / 2.5	482	54	D

* = At 60 Hz

Chart 20 CE 90°

- Variable frequency drive, 25 - 63 Hz
- Sealed gearmotor
- IEC 71 B5 C Face
- IP 55 protection rating
- Totally enclosed, fan cooled
- 230/400 Volts, 3 Phase
- Order controller separately, see page 110

Part Number	RPM*	Gearmotor Type	3 Ph kW	3 Ph FLA	Nm*	Vari-Speed Control Chart
32Z100HH423EN	14	H	0.37	2.1 / 1.2	113	B
32Z045HH423EN	31	H	0.55	2.6 / 1.5	110	B
32Z030HH423EN	47	H	0.55	2.6 / 1.5	81	B

* = At 50 Hz

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

FLA = Full Load Amperes **Note:** Z-frame Conveyors are not reversible

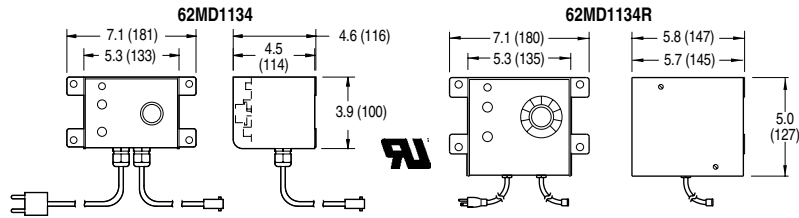
Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

3200 SERIES: VARIABLE SPEED CONTROLLERS

VARIABLE SPEED CONTROLLERS

Chart A

- PWM DC control
- Nema 1 enclosure
- Line cord and motor cord
- On/Off switch for 62MD1134
- Forward/Off/Reverse switch for 62MD1134R
- Speed potentiometer
- Mounting hardware

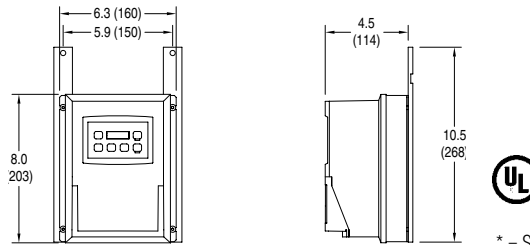


Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Max Amps*	Reversing
62MD1134	115	1	60	130VDC	3.2	No
62MD1134R	115	1	60	130VDC	5.0	Yes

Chart B



- VFD control
- IP 65 enclosure
- EMC filter
- Variable speed
- Mounting hardware
- Line cord and motor cord
- Motor cord only on 460V

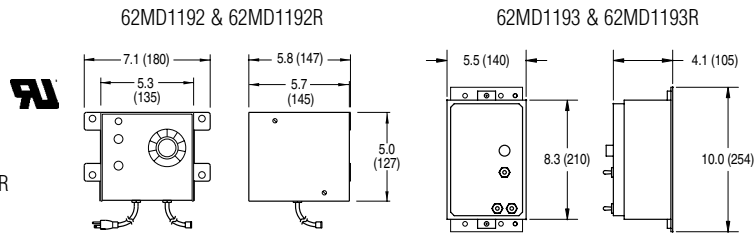


* = See FLA from motor charts

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Kw*	Max Amps	Reversing
62UV2121	230	1	50	230	3	0.75	4.2	Yes
62UV4341	400	3	50	400	3	0.75	2.1	Yes
62UV2127	230	1	50	230	3	1.50	6.8	Yes
62UV4347	400	3	50	400	3	1.50	3.4	Yes

Chart C

- PWM DC control
- NEMA 1 enclosure
- Line cord and motor cord
- On/Off switch for 62MD1192 and 62MD1193
- Forward/Off/Reverse switch for 62MD1192R and 62MD1193R
- Speed potentiometer
- Mounting hardware



* = See FLA from motor charts

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Max Amps*	Reversing
62MD1192	115	1	60	90VDC	5.0	No
62MD1192R	115	1	60	90VDC	5.0	Yes
62MD1193	115	1	60	90VDC	7.5	No
62MD1193R	115	1	60	90VDC	7.5	Yes

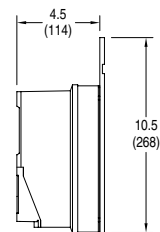
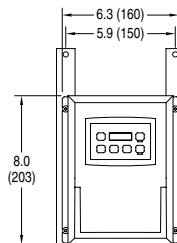
Note: Dimensions = in (mm)

3200 SERIES: VARIABLE SPEED CONTROLLERS

VARIABLE SPEED CONTROLLERS

Chart D

- Full feature VFD control
- NEMA 4 enclosure
- Digital display
- Keypad with Start/Stop, Forward/Reverse and speed variations
- Includes cord to motor
- Power to controller by others
- 62MV1122 includes line cord to controller
- Mounting hardware

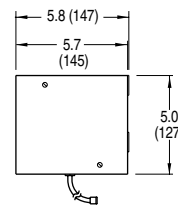
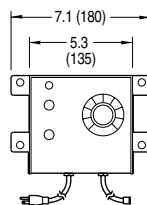


* = See FLA from motor charts

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Hp	Output Amps*	Reversing
32MV1122	115	1	60	230	3	0.5	2.2	Yes
32MV2122	230	1	60	230	3	0.5	2.2	Yes
32MV1121	115	1	60	230	3	1.0	4.0	Yes
32MV2121	230	1	60	230	3	1.0	4.0	Yes
32MV2127	230	1	60	230	3	2.0	6.8	Yes
32MV2322	230	3	60	230	3	0.5	2.2	Yes
32MV2327	230	3	60	230	3	2.0	6.8	Yes
32MV4341	460	3	60	460	3	1.0	2.0	Yes
32MV4347	460	3	60	460	3	2.0	3.4	Yes

Chart E

- VFD control
- Nema 1 enclosure
- Line cord and motor cord
- On/Off switch
- Speed potentiometer
- Mounting hardware
- Forward/Reverse switch



* = See FLA from motor charts

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Hp	Max Amps*	Reversing
62MV1122B	115	1	60	230	3	0.5	2.4	No
62MV1122BR	115	1	60	230	3	0.5	2.4	Yes

Note: Dimensions = in (mm)

3200 SERIES: MANUAL MOTOR STARTERS

MANUAL MOTOR STARTERS

Manual motor starts are manual electronic disconnects that provide motor overload protection and are required by the National Electric Code (NEC) for safe motor operation.

- IP 55 Enclosure
- Push button Start / Stop
- Includes mounting hardware



Illustration A

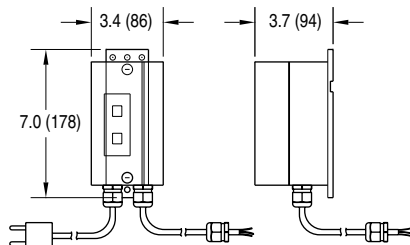


Illustration B

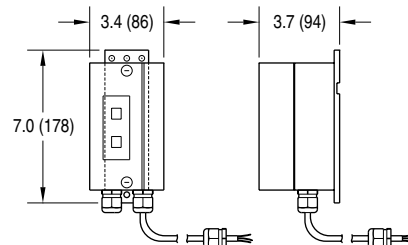


Chart I



- 230 Volts, 1 phase includes cord, plug and starter
- 230/400 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 50 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M21T	230	1	1.6 - 2.5	A
62(c)M23T	230	3	1.0 - 1.6	B
62(c)M43T	400	3	0.63 - 1.0	B

Chart J



- 230 Volts, 1 phase includes cord, plug and starter
- 230/400V, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 50 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M21J	230	1	2.5 - 4.0	A
62(c)M23J	230	3	1.6 - 2.5	B
62(c)M43J	400	3	1.0 - 1.6	B

Chart K



- 230/400 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 50 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M23K	230	3	4.0 - 6.3	B
62(c)M43K	400	3	2.5 - 4.0	B

Chart L

- 230/460 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23L	230	3	1.0 - 1.6	B
62MM43L	460	3	0.4 - .63	B

Chart M

- 230/460 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23M	208 - 230	3	1.6 - 2.5	B
62MM43M	460	3	1.0 - 1.6	B

Chart P

- 230/460 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23U	208 - 230	3	2.5 - 4.0	B
62MM43P	460	3	1.6 - 2.5	B

Chart Q

- 230/460 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23Q	208 - 230	3	4.0 - 6.3	B
62MM43Q	460	3	2.5 - 4.0	B

Chart R



- 230/400 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 50 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M23R	230	3	2.5 - 4.0	B
62(c)M43R	400	3	1.0 - 1.6	B

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with NEC and CE safety directive.

(c) = Electrical Configuration G = CE German
F = CE French U = CE Great Britain

QUANTITY CHARTS

3200 Series	
Conveyor Length	Number of Supports
3' (914) - 13' (3,962)	2
14' (4,267) - 25' (7,620)	3
26' (7,925) - 37' (11,278)	4
38' (11,592) - 49' (14,932)	5
50' (15,240) - 61' (18,593)	6
62' (18,898) - 73' (22,250)	7
74' (22,555) - 85' (25,908)	8
86' (26,213) - 97' (29,506)	9
98' (29,870) - 99' (30,175)	10

Z-frame Flat Belt Conveyors		
Nose-over and Walk-Thru Conveyors		
Section Length	Number of Supports per Section	
	Section L2	Sections L1 & L3
2' to 13'	2	1
14' to 25'	3	2
26' to 37'	4	3
38' to 49'	5	4
50' to 61'	6	5
62' to 73'	7	6
74' to 85'	8	7
86' to 97'	9	8

Z-frame Cleated Belt Conveyors	
Horizontal to Incline and Nose-over	
Total Conveyor Length	Number of Supports
4' and 5'	2
5' to 25'	3

Z-frame Cleated Belt Conveyors	
Z-Frame	
Total Conveyor Length	Number of Supports
6' to 9'	3
10' to 25'	4

3200 & Z-frame (per section) Required Return Roller

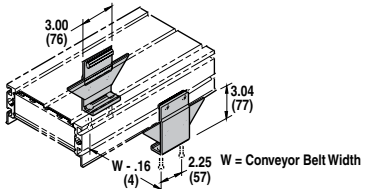
Conveyor Width	max feet between return rollers				
	3.75" - 10"	12" - 20"	22" - 30"	32" - 40"	40" - 48"
Flat Belt	8	7	6	5	4
Cleated Belt	6	5	4	n/a	n/a

Quantity of return rollers required = whole number result of: $\frac{\text{conveyor length in feet}}{\text{max distance between return rollers}}$

Example Description: 3200 cleated belt 18" wide x 21' long $\frac{21'}{5} = 4.2$ **4 return rollers required**

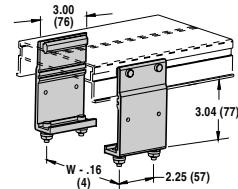
MOUNTING BRACKETS

Cleated Stand Mounting Bracket



Part Number	Description
240838	Stand Mounting Bracket, Cleated Belt Conveyor

Flat Belt Stand Mounting Bracket

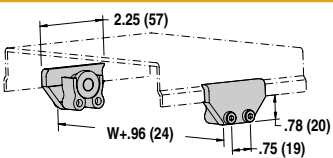


Part Number	Description
240839	Stand Mounting Bracket, Flat Belt Conveyor

Note: Conveyors can be ordered with the required number of mounting brackets. If desired, order additional mounting brackets separately.

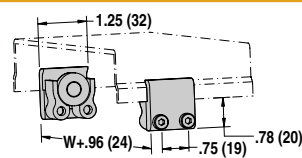
RETURN ROLLERS

Cleated Belt Return Roller



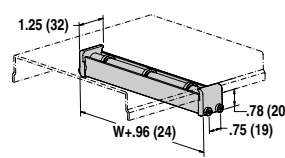
Part Number	Description
240832	Return Roller for Cleated Belt conveyors

Flat Belt Return Roller for 2" to 6" Wide Conveyors



Part Number	Description
240830	Return Roller for 2" - 6" (44 mm - 152 mm) wide Flat Belt conveyors

Flat Belt Return Roller for 8" to 48" Wide Conveyors



Part Number	Description
3249WW	Return Roller for 3200 Series 8" (203 mm) to 48" (1,219 mm) wide Flat Belt Conveyor

Note: Dimensions = in (mm)

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

3200 SERIES: SUPPORT STANDS

FIXED HEIGHT SUPPORT STANDS

Fixed Foot Model

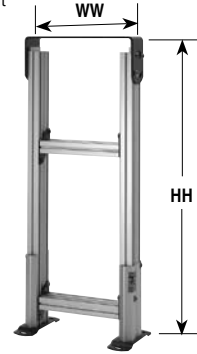
Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	15" - 19" (381 - 483mm)	in 1" (25mm) increments up to...	95" - 99" (2,413 - 2,515mm)
Part # Reference	1519	in 0101 increments up to...	9599

Swivel Locking Caster Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	20" - 24" (508 - 610mm)	in 1" (25mm) increments up to...	68" - 72" (1,727 - 1,829mm)
Part # Reference	2024	in 0101 increments up to...	6872

- Metric fasteners
- 4" (102mm) Height Adjustment

* Dependent on stand width, stands over 42" (1,067 mm) may include outriggers (see page 116)



Full width is top plate on 12" wide stands only

ADJUSTABLE HEIGHT SUPPORT STANDS

Fixed Foot Model

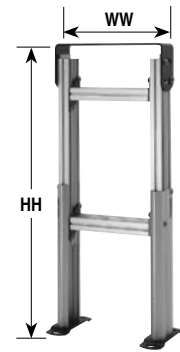
Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...						48" (1,219mm)			
Part # Reference	12	in 02 increments up to...						48			
Stand Height (HH)	12-13" (305-330)	13-15" (330-381)	14-17" (356-432)	16-21" (406-660)	19-26" (483-686)	24-36" (610-914)	30-48" (762-1,219)	42-60"* (1,067-1,524)	54-72"* (1,372-1,829)	66-84"* (1,676-2,134)	78-96"* (1,981-2,438)
Part # Reference	1213	1315	1417	1621	1926	2436	3048	4260	5472	6684	7896

Swivel Locking Caster Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...						48" (1,219mm)			
Part # Reference	12	in 02 increments up to...						48			
Stand Height (HH)	17-18" (432-457)	18-20" (457-508)	19-22" (483-559)	21-26" (533-660)	24-31" (610-787)	29-41" (737-1,041)	35-53" (762-1,346)	47-65"* (1,194-1,651)	59-77"* (1,499-1,956)		
Part # Reference	1718	1820	1922	2126	2431	2941	3553	4765	5977		

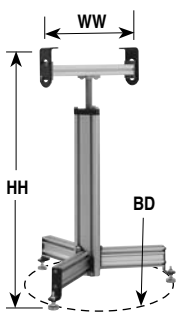
- Metric fasteners

* Dependent on stand width, stands over 42" (1,067 mm) may include outriggers (see page 116)

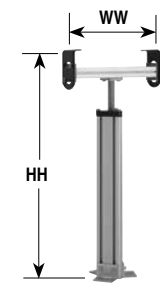


Full width is top plate on 12" wide stands only

SINGLE POST & PILLAR SUPPORT STANDS



Single Post Support Stand



Pillar Stand (must be secured to floor)

Standard Sizes

Stand Width (WW)	1.75" (44)	2.75" (70)	3.75" (95)	5" (44)	6" (152)	8" (203)	10" (254)	12" (305)	14" (356)	16" (406)	18" (457)
Part # Reference	02	03	04	05	06	08	10	12	14	16	18
Stand Height (HH)*	16-26" (406-660)		24-34" (610-864)		32-42" (813-1,067)		40-50" (1,016-1,270)		48-58" (1,219-1,473)		
Part # Reference	16		24		32		40		48		
Base Diameter (BD)	24" (610)		27" (686)		30" (762)		33" (838)		36" (915)		

- Casters do not change overall height
- Metric fasteners

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 126

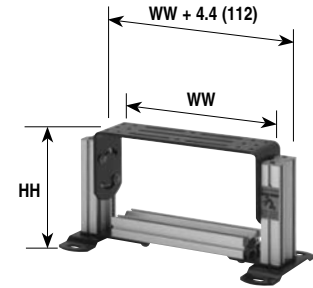
SHORT SUPPORT STANDS

Fixed Foot Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	06" - 08" (152 - 203mm)	in 1" (25mm) increments up to...	12" - 14" (305 - 356mm)
Part # Reference	0608	in 0101 increments up to...	1214

Swivel Locking Caster Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	11" - 13" (279 - 330mm)	in 1" (25mm) increments up to...	17" - 19" (305 - 483mm)
Part # Reference	1113	in 0101 increments up to...	1719



Full width is top plate on 12" wide stands only

FULLY ADJUSTABLE SUPPORT STANDS

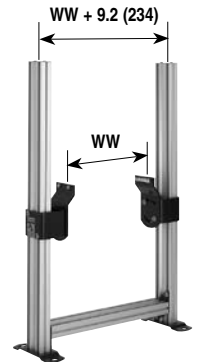
Fixed Foot Model

Stand Width (WW)	1.75" (44)	2.75" (70)	3.75" (95)	5" (44)	6" (152)	2" (51mm) increments up to...	48" (1,219)
Part # Reference	02	03	04	05	06	in 02 increments up to...	48
Top of Belt Range	7-19" (179-483)		12-31" (305-787)		12-43" (305-1,097)	12-55" (305-1,397)	12-67" (305-1,702)
Stand Height Reference	0719		1231		1243	1255	1267

Swivel Locking Caster Model

Stand Width (WW)	1.75" (44)	2.75" (70)	3.75" (95)	5" (44)	6" (152)	2" (51mm) increments up to...	48" (1,219)
Part # Reference	02	03	04	05	06	in 02 increments up to...	48
Top of Belt Range	12-19" (305-483)		17-31" (432-787)		17-43" (432-1,097)	17-55" (432-1,397)	17-67" (432-1,702)
Stand Height Reference	1219		1731		1743	1755	1767

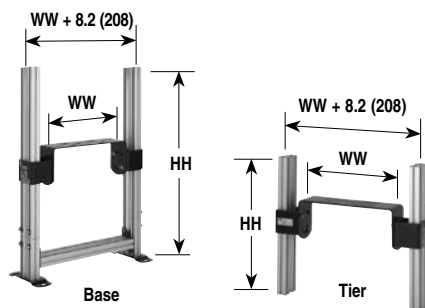
- Metric fasteners



MULTI TIER STANDS

Minimum Tier Height Per Conveyor

Flat Belt	12" (305mm)
Cleated Belt	15" (381mm)



Full width is top plate on 12" wide stands only

Base

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	12" (305mm)	2" (51mm) increments up to...	60" (1,524mm)
Part # Reference	1212	in 0002 increments up to...	1260

Tier

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	12" (305mm)	1" (25mm) increments up to...	36" (914mm)
Part # Reference	0712	in 0002 increments up to...	0736

Note: Do not use with support stands equipped with casters. Support Stands must be anchored to the floor. Do not use if conveyed product overhangs the edge of the conveyor belt due to pinch point created.

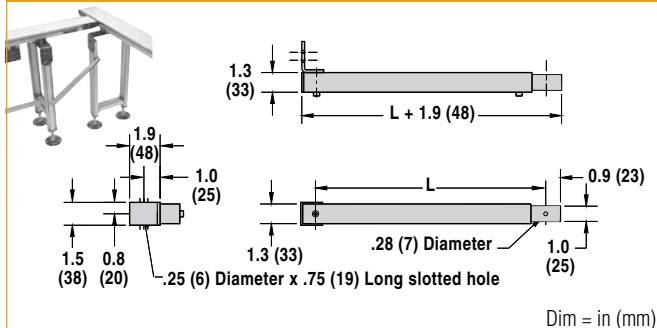
Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 126

3200 SERIES: SUPPORT STANDS

STAND ACCESSORIES

Adjustable Tie Bracket



- Compatible with steel and aluminum support stands
- Secure critical stand and conveyor locations
- Length (L) adjusts + 0", - 11.25" (286mm)
- Includes metric mounting hardware

Part Number	Description
27M400-02	Adjustable Tie Bracket, 2' (610 mm)
27M400-03	Adjustable Tie Bracket, 3' (914 mm)
27M400-04	Adjustable Tie Bracket, 4' (1,219 mm)
27M400-05	Adjustable Tie Bracket, 5' (1,524 mm)
27M400-06	Adjustable Tie Bracket, 6' (1,829 mm)

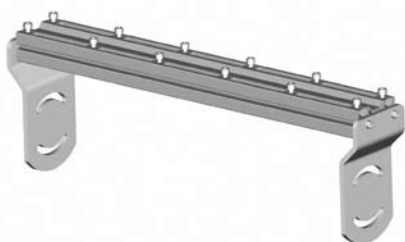
Diagonal Bracing



- For use on steel, aluminum and single post support stands with casters
- Metric fastener mounting hardware included
- For use on all stands with casters and any stands over 72" (1829 mm) tall
- One brace per stand for conveyors up to 24" wide (610 mm)
- Two braces per stand for conveyors over 24" wide (610 mm)

Part Number	Description
39MB-TS	for two-legged H style stands up to 30" tall (762 mm)
39MB-TT	for two-legged H style stands over 30" tall (762 mm)
39MB-PT	for Single Post and Pillar stands over 30" tall (762 mm)

Common Mount Kit



- Stand accessory for mounting multiple conveyors in parallel to one stand
- Adds 2" (51 mm) to stand height
- Adds 2.79" (71 mm) to overall stand width

For ordering information, see page 127

Tall Support Stands



Outriggers

Tall Stands are the Fixed Height and Adjustable Height Stands as shown with additional outrigger support for added stability. These outriggers are required when the height of the stand exceeds 3.5x its width, and they add 16" to stand width. Tall stands over 6' tall include diagonal bracing.

Fine Adjustment Kit

- Provides fine height adjustment via a threaded bolt
- For use with Fixed Height Stands



Part # 710028

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 126

QUICK ADJUST STANDS

Fixed Foot Model

Stand Width (WW)*	12" (305mm)	2" (51mm) increments up to...	36" (914mm)
Part # Reference	12	in 02 increments up to...	36
Stand Height (HH)*	24" - 30" (610 - 762mm)	in 1" (25mm) increments up to...	66" - 72" (1,676 - 1,829mm)
Part # Reference	2430	in 0101 increments up to...	6672

Swivel Locking Caster Model

Stand Width (WW)*	12" (305mm)	2" (51mm) increments up to...	36" (914mm)
Part # Reference	12	in 02 increments up to...	36
Stand Height (HH)*	27" - 33" (686 - 838mm)	in 1" (25mm) increments up to...	60" - 66" (1,524 - 1,676mm)
Part # Reference	2733	in 0101 increments up to...	6066

* Under 12" wide use full top plate option

- Metric fasteners
- +/- 3" (76 mm) Height Adjustment
- Allows for Quick Height Adjustment
- Tool-less lock and adjustment handles



Fixed Foot Model

Swivel Locking Caster Model

A-FRAME STANDS

Fixed Foot Model

Stand Width (WW)	3.75" (95mm)	2" (51mm) increments up to...	36" (914mm)
Part # Reference	04	in 02 increments up to...	36
Top of Belt Height (HH)*	13" - 17" (330 - 432mm)	in 1" (25mm) increments up to...	56" - 60" (1,422 - 1,524mm)
Part # Reference	1317	in 0101 increments up to...	5660

Swivel Locking Caster Model

Stand Width (WW)	3.75" (95mm)	2" (51mm) increments up to...	36" (914mm)
Part # Reference	04	in 02 increments up to...	36
Top of Belt Height (HH)*	18" - 20" (457 - 508mm)	in 1" (25mm) increments up to...	58" - 60" (1,473 - 1,524mm)
Part # Reference	1820	in 0101 increments up to...	5860

* From floor to top of belt

- Metric fasteners
- +/- 2" (51 mm) Height Adjustment for Fixed Foot Model
- +/- 1" (25 mm) Height Adjustment for Swivel Locking Caster Model
- One (1) SmartSlot™ per side



Fixed Foot Model

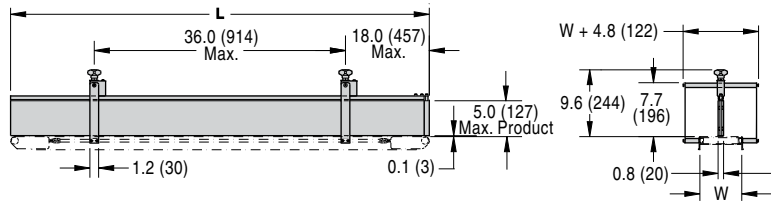
Swivel Locking Caster Model

Note: Dimensions = in (mm)

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 126

ADJUSTABLE LANE GUIDING



Specifications:

- UHMW guide surface on an anodized aluminum mounting rail
- Painted Steel mounting hardware
- Available in standard 1' (305 mm) increments or can be ordered to any length
- 5" (127 mm) maximum, 0.25" (7 mm) minimum part height
- 0.25" (6 mm) minimum lane width
- Package includes one lane guide, mounting hardware and adjusting knobs
- For conveyors up to 24" (610 mm) wide – Consult factory for wider lane guide availability

Features & Benefits:

- 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



Order additional lane kits separately

Important: Exceeding 5" (127 mm) product height will produce a pinch point.

PULLEY TRANSFER PLATE*

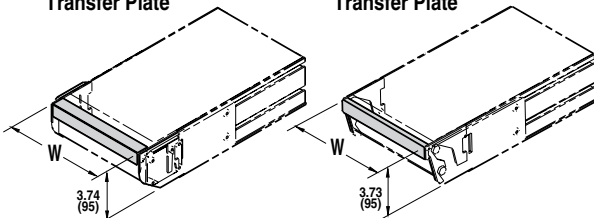


Specifications:

- 1.25" (32 mm) diameter minimum product transfer for 3200 Series
- Hard coat anodized finish
- Package includes extruded aluminum transfer plate, required pulley tail plates and mounting hardware

3200 Series
3" (76)
Transfer Plate

3200 Series
1" (25)
Transfer Plate



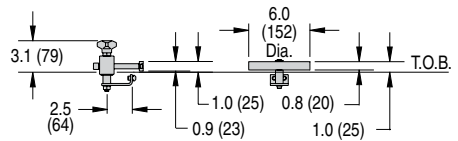
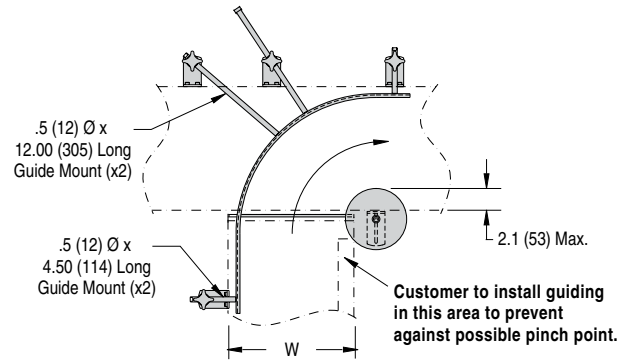
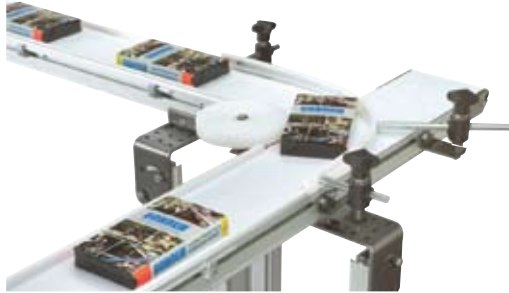
* Not compatible with clipper splice or high friction belts

Note: Dimensions = in (mm)

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

For ordering information, see page 127

90° ADJUSTABLE TRANSFER



Specifications:

- For conveyors up to 12" (305 mm) wide
- Requires low side conveyors
- 0.25" (6 mm) minimum part thickness
- Hard coat anodized transfer plate
- Painted steel mounting hardware
- 48" (1,219 mm) long UHMW outside turn guide, customer can trim to fit
- Maximum recommended part weight is 20 lbs (9 kg) at 50 ft/min (15 m/min) belt speed. Consult factory regarding applications for higher product weights or faster belt speeds.
- 0.25" (32 mm) minimum product size for 3200 Series
- Package includes outside turn guide, guide wheel, adjustable mounting hardware and extruded aluminum transfer plate

Features & Benefits:

- 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

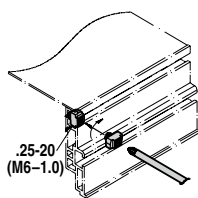
Note: Due to the wide variety of drive setups and applications point of installation guarding is the responsibility of the end user.

Important: Do not use with 03, 08, 55, 62, or 64 High Friction Belts on Infeed conveyor

For ordering information, see page 127

HARDWARE ACCESSORIES

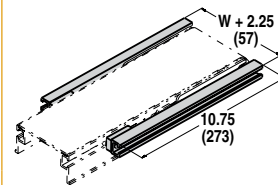
Spring T-Nut



- Mounts in T-slots to attach light weight accessories
- Recommended for vertical aluminum stand T-slots

Part Number	Description
200124	Spring T-nut, 0.25 - 20
200124M	Spring T-nut, M6 - 1.0
200300	Package of 5 Spring T-nuts, 0.25 - 20
200300M	Package of 5 Spring T-nuts, M6 - 1.0

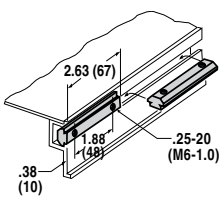
T-Slot Extenders



- Provides additional T-slots to the end of conveyor
- Includes mounting brackets and hardware
- Metric fasteners

Part Number	Description
307000M	T-Slot Extender, Pair

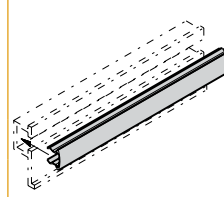
3200 & Z-frame Series T-Bars



- Mounts in T-slots to attach heavy accessories
- 2.63" (67 mm) long 2 hole model, 0.75" (19 mm) 1 hole model

Part Number	Description
639971	1 hole T-bar, 0.25 - 20
639971M	1 hole T-bar, M6 - 1.0
300150	2 hole T-bar, 0.25 - 20
300150M	2 hole T-bar, M6 - 1.0

T-Slot Cover

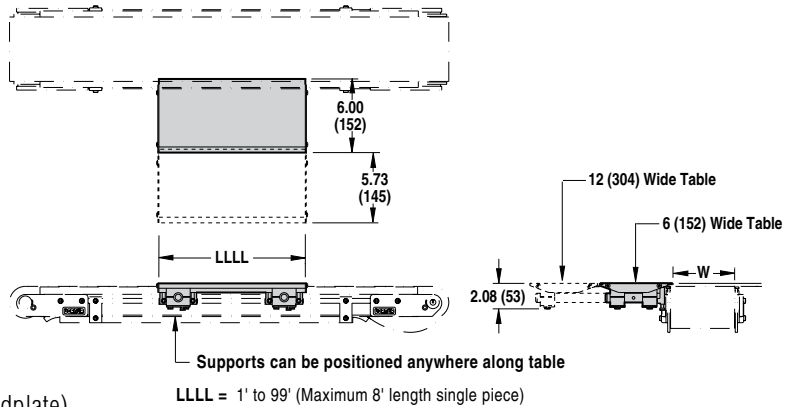


- Snaps into conveyor and aluminum stand T-slots
- Black plastic extrusion
- Can be trimmed to fit

Part Number	Description
645656P	T-Slot Cover, Per 1' (305) of length

Note: Dimensions = in (mm)

SIDE TABLES



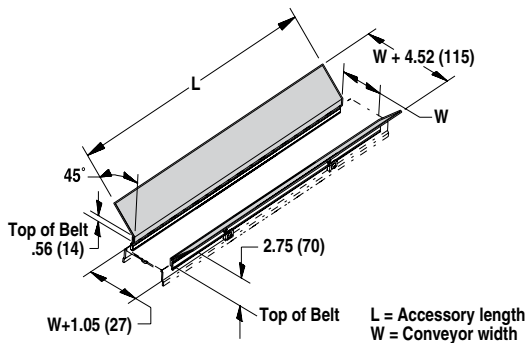
Specifications:

- Provides a 6" (152 mm) or 12" (305 mm) wide working surface
- Adjusts in/out and up/down (0.25" max above bedplate) for product transfer on/off conveyor belts
- 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 1' (305 mm) increments from 1' (305 mm) to 99' (30,175 mm)
- Compatible with 2200, 3200 and 5200 Series Conveyors

For ordering information, see page 127

SIDE GUIDES

Flared Side Guide



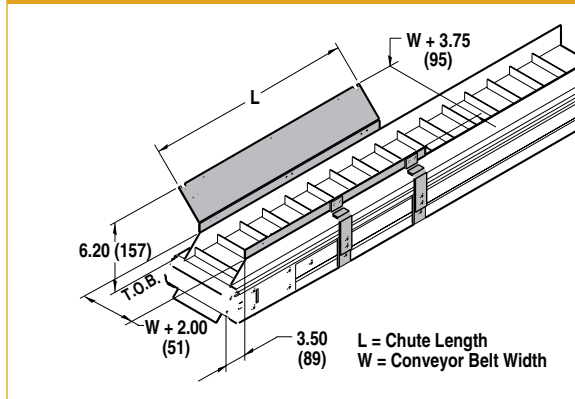
- Guides parts onto conveyor belt surface
- Includes metric mounting hardware

Part Number	Description
280802M	2' (610 mm) Flared Side
280803M	3' (914 mm) Flared Side
280804M	4' (1,219 mm) Flared Side
280805M	5' (1,524 mm) Flared Side
280806M	6' (1,829 mm) Flared Side

Note: Dimensions = in (mm)

Z-FRAME CHUTES

Z-frame Horizontal Infeed Chute



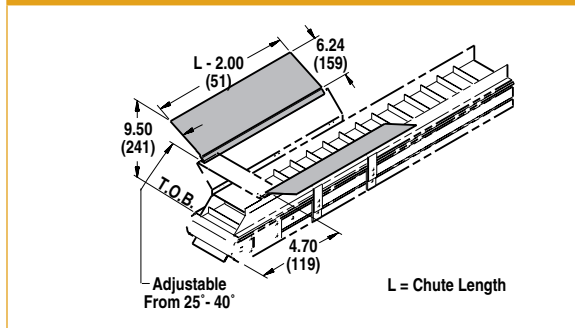
For Standard Cleated Belt Conveyors

Part Number	Description
38M501	1' (305 mm) Infeed chute, Standard Cleated, for 2' (610 mm) long section
38M502	2' (610 mm) Infeed chute, Standard Cleated, for 3' (914 mm) long section
38M503	3' (914 mm) Infeed chute, Standard Cleated, for 4' (1,219 mm) long section
38M504	4' (1219 mm) Infeed chute, Standard Cleated, for 5' (1,524 mm) long section

For Sidewall Cleated Belt Conveyors

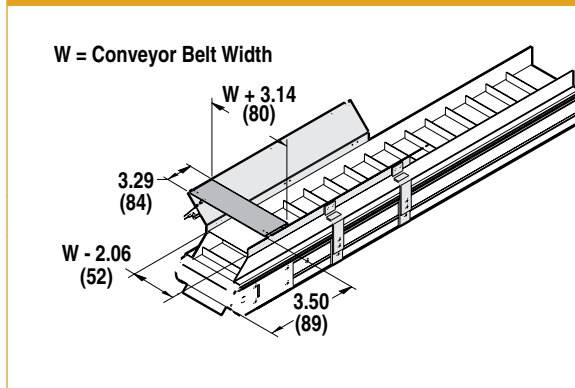
Part Number	Description
38M601	1' (305 mm) Infeed chute, Sidewall Cleated, for 2' (610 mm) long section
38M602	2' (610 mm) Infeed chute, Sidewall Cleated, for 3' (914 mm) long section
38M603	3' (914 mm) Infeed chute, Sidewall Cleated, for 4' (1,219 mm) long section
38M604	4' (1,219 mm) Infeed chute, Sidewall Cleated, for 5' (1,524 mm) long section

Z-frame Hinged Chute Extensions



Part Number	Description
38M302	Extensions, 02' (610 mm) chute
38M303	Extensions, 03' (914 mm) chute
38M304	Extensions, 04' (1,219 mm) chute

Z-frame Backstop for Horizontal Infeed Chute



For Standard Cleated Belt Conveyors

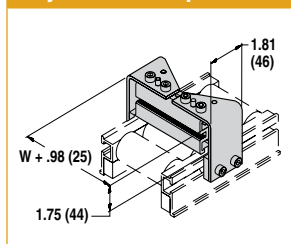
Part Number	Description
38M108	Backstop, Standard Cleated, 08 conveyor width reference
38M112	Backstop, Standard Cleated, 12 conveyor width reference
38M118	Backstop, Standard Cleated, 18 conveyor width reference
38M124	Backstop, Standard Cleated, 24 conveyor width reference

For Sidewall Cleated Belt Conveyors

Part Number	Description
38M408	Backstop, Sidewall Cleated, 08 conveyor width reference
38M412	Backstop, Sidewall Cleated, 12 conveyor width reference
38M418	Backstop, Sidewall Cleated, 18 conveyor width reference
38M424	Backstop, Sidewall Cleated, 24 conveyor width reference

STOPS

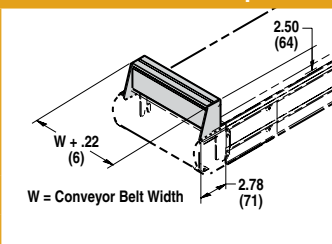
Adjustable Stop*



- Slides up and down T-slot length
- Includes mounting hardware

Part Number	Description
3076WWM	Adjustable Stop

3200 Series End Stop*



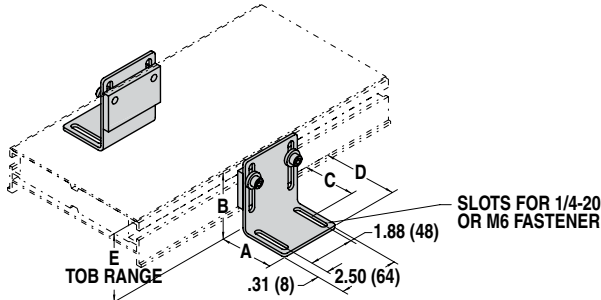
- Includes mounting hardware

Part Number	Description
3255WWM	3200 End Stop

WW = Conveyor Width Reference * Not compatible with high friction belts

BRACKETS

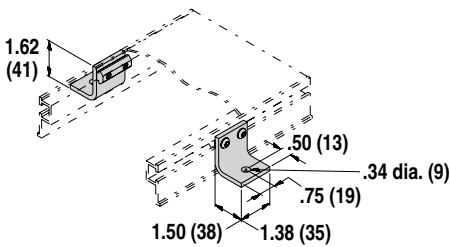
Adjustable Height Bracket ‡



- Provides height adjustment
- (2) Height Ranges
- Includes mounting hardware

Part Number	Description	A	B	C	D	E
201557	2" x 3" Bracket	2 (51)	3 (76)	1.4 (36)	2.4 (61)	1.9 (48) to 3.4 (86)
201558	3" x 5" Bracket	3 (76)	5 (127)	2 (51)	3.4 (86)	3.3 (84) to 5.3 (135)

Table Top Mounting Bracket ‡

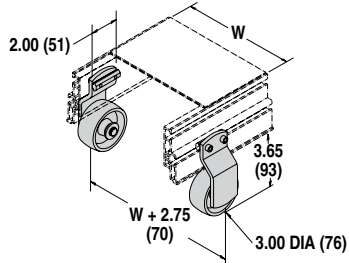


- Includes metric mounting hardware

Part Number	Description
200349M	Table top bracket

‡ = If the discharge end of conveyor is mounted over a table or similar structure, the customer must provide guiding to prevent against possible pinch point.

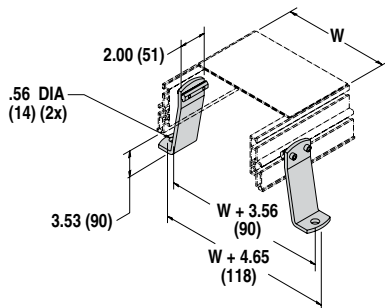
Frame Mount Casters



- Includes metric mounting hardware

Part Number	Description
390207	Frame mount casters, pair

Floor Mount Brackets



- Includes metric mounting hardware

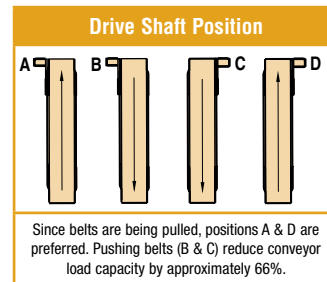
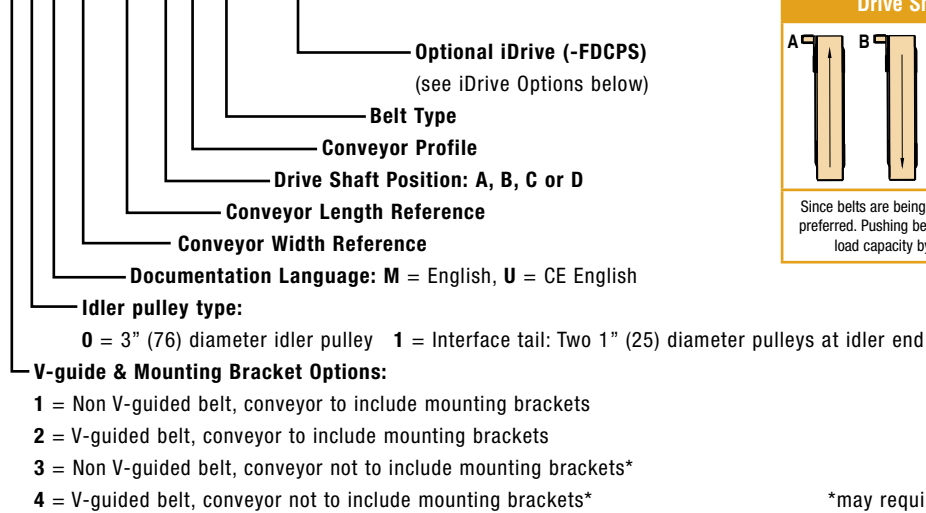
Part Number	Description
390217	Floor mount brackets, pair

WW = Conveyor Width Reference

Note: Dimensions = in (mm)

3200 SERIES: FLAT BELT END DRIVE

3 2 0 M 14 2400 A PP BB - FDCPS

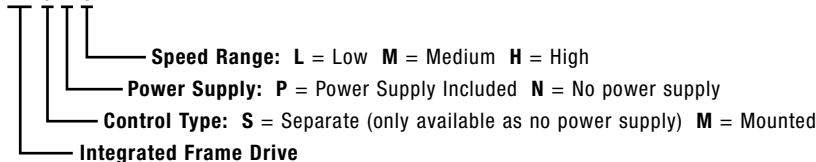


Example: 320M142400A102

Description: 3200 Series End Drive Conveyor, 14" (356) wide x 24' (7,315) long, V-guided belt, mounting brackets, 3" (76) diameter idler pulley, English documentation, drive shaft position A, lowside profile and general purpose belt.

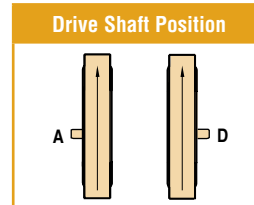
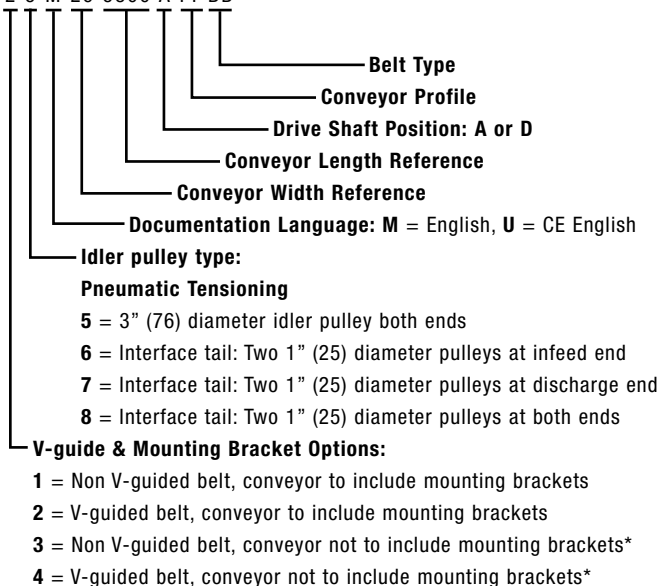
3200 SERIES: iDRIVE OPTIONS

FD C P S



3200 SERIES: FLAT BELT CENTER DRIVE

3 2 5 M 26 5800 A PP BB



Manual Tensioning

- 2 = 3" (76) diameter idler pulley both ends
- 3 = Interface tail: Two 1" (25) diameter pulleys at infeed end
- 4 = Interface tail: Two 1" (25) diameter pulleys at discharge end
- 9 = Interface tail: Two 1" (25) diameter pulleys at both ends

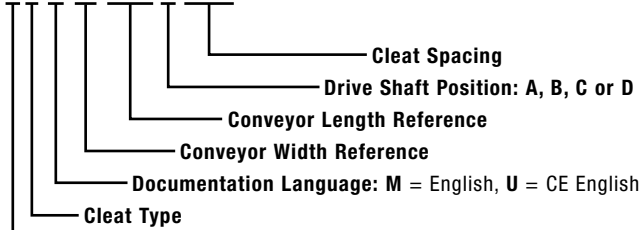
Example: 325M265800A103

Description: 3200 Series Center Drive Conveyor, 26" (660) wide x 58' (17,678) long, V-guided belt, mounting brackets, 3" (76) diameter idler pulleys both ends, English documentation, lowside profile and FDA friction belt.

3200 SERIES: PART NUMBER REFERENCE

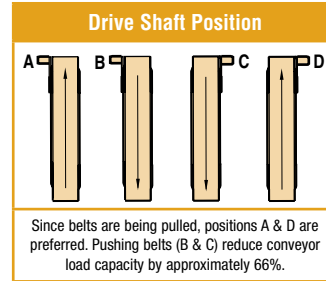
3200 SERIES: CLEATED BELT CONVEYOR

3 4 A M 06 1800 D SSSS



V-guide & Mounting Bracket Options:

- 1 = Non V-guided belt, conveyor to include mounting brackets*
- 2 = V-guided belt, conveyor to include mounting brackets
- 3 = Non V-guided belt, conveyor not to include mounting brackets*
- 4 = V-guided belt, conveyor not to include mounting brackets



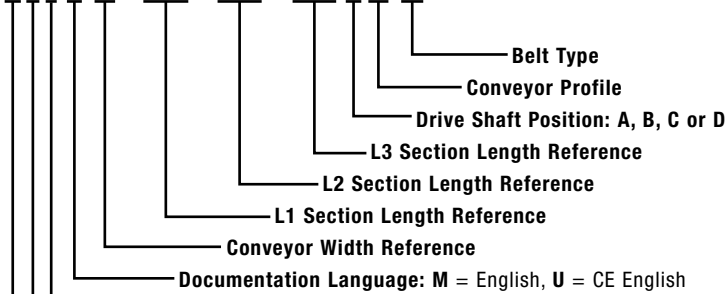
*may require belt return rollers

Example: 34AM061800D1209

Description: 3200 Series Cleated Belt Conveyor, 6" (152) wide x 18' (5,486) long with V-guided belt, cleat type A with 12.09" (307) spacing, English documentation, and drive shaft position D.

3200 Z-FRAME SERIES: FLAT BELT END DRIVE CONVEYOR

3 E 2 0 M 12 - 0000 - 0300 - 0400 A PP BB



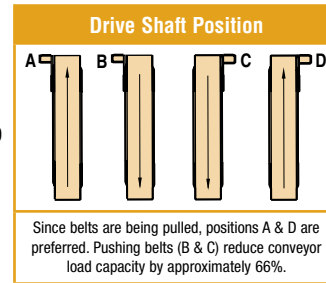
Idler Pulley Type:

- 0 = 3" (76) diameter idler pulley
- 1 = Interface tail: Two 1" (25) diameter pulleys at idler end

V-guide & Mounting Bracket Options:

- 1 = Non V-guided belt, conveyor to include mounting brackets
- 2 = V-guided belt, conveyor to include mounting brackets
- 3 = Non V-guided belt, conveyor not to include mounting brackets*
- 4 = V-guided belt, conveyor not to include mounting brackets*

Belt Direction: E = Incline, D = Decline



*may require belt return rollers

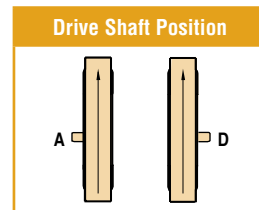
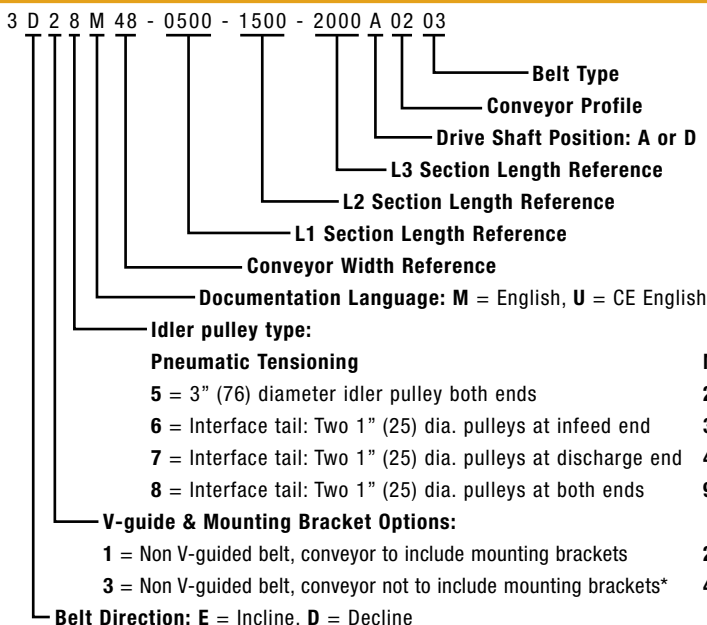
Example: 3E20M12-0000-0300-0400A0502

Description: Z-frame Series Flat Belt Nose-over Conveyor, 12" (305) wide, 7' (2,134) total length with L2 section 3' (914) long, L3 section 4' (1,219) long elevating belt direction, V-guided belt, includes mounting brackets, 3" (76) diameter idler pulley, English documentation, drive shaft in position A, 1.5" (38) highside, and general purpose belt.

These reference charts are only provided as a reference and is not intended to be used for the construction of complete part numbers for order placing. Dorner has a full network of trained Distributors and sales staff equipped with our configuring / pricing software who are able to provide complete and accurate quotes for all standard products in a matter of minutes.

For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

3200 Z-FRAME SERIES: FLAT BELT CENTER DRIVE CONVEYOR

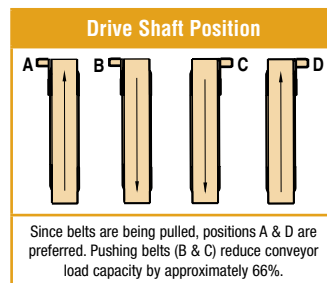
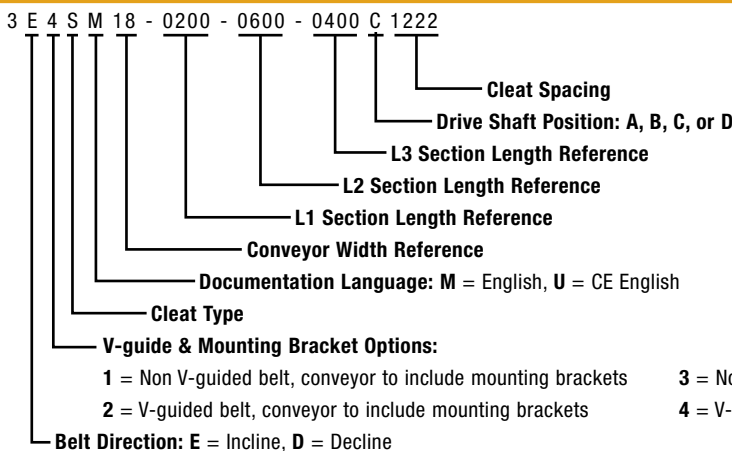


*may require belt return rollers

Example: 3D28M48-0500-1500-2000A0203

Description: Z-frame Series Flat Belt Center Drive Walk-thru conveyor, 48" (1,219) wide, 40' (12,192) total length with L1 section 5' (1,524) long, L2 section 15' (4,572) long, L3 section 20' (6,096) long, declining belt direction, V-guided belt, includes mounting brackets, interface tail [two 1" (25) diameter pulleys] at both ends, English documentation, drive shaft in position A, highside, and FDA friction belt.

3200 Z-FRAME SERIES: SIDEWALL CLEATED CONVEYOR



Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.

*may require belt return rollers

Example: 3E4SM18-0200-0600-0400C1222

Description: Z-frame Series Sidewall Cleated Z-frame Conveyor, 18" (4,575) wide, 12' (3,658) total length with L1 section 2" (610) long, L2 section 6' (1,829) long, L3 section 4' (1,219) long, elevating belt direction, V-guided belt, type S cleat, English documentation, drive shaft in position C, and cleat spacing of 12.22" (310).

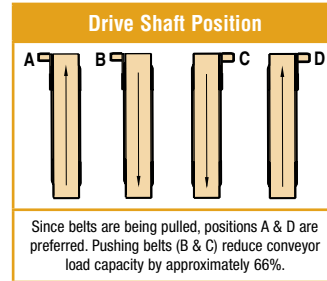
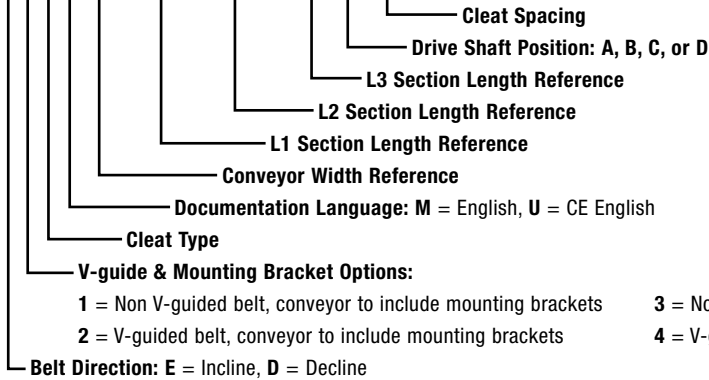
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3200 SERIES: PART NUMBER REFERENCE

3200 Z-FRAME SERIES: STANDARD CLEATED CONVEYOR

3 E 2 A M 08 - 0000 - 0600 - 0400 A 1191



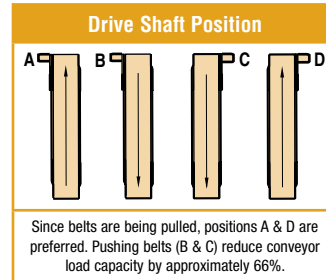
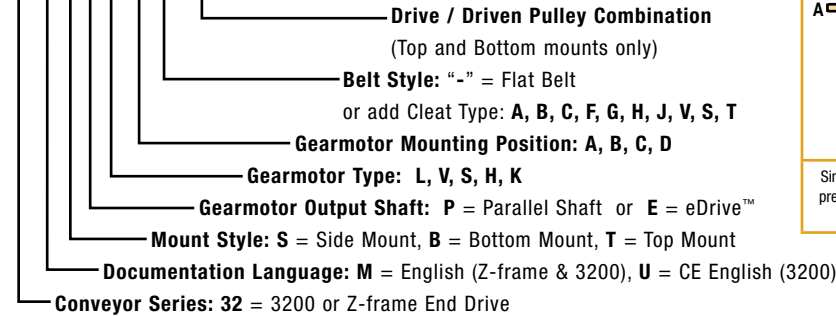
*may require belt return rollers

Example: 3E2AM08-0000-0600-0400A1191

Description: Z-frame Series Standard Cleated Horizontal to Incline Conveyor, 8" (457) wide, 10' (3,048) total length with L2 section 6' (1,829) long, L3 section 4' (1,219) long, elevating belt direction, V-guided belt, includes mounting brackets, type A cleat, English documentation, drive shaft position A, and cleat spacing of 11.91" (303).

3200 SERIES: END DRIVE MOUNTING PACKAGES

32 M B P S A - 1616

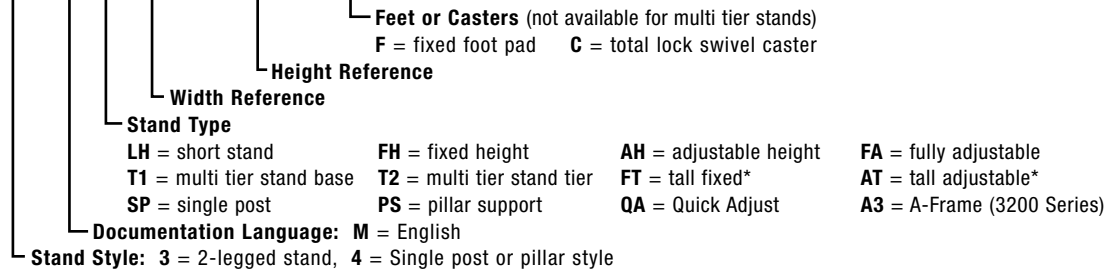


Example: 32MBPSA-1616

Description: Bottom mount package with English documentation. Configured for a parallel shaft, standard load motor in the A mount position with a 16:16 drive / driven pulley combination.

3200 SERIES: SUPPORT STANDS

S 9 M T T W W - HH(min) HH(max) F A



EXAMPLE: 39MAH12-2126CP

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability is final setup of the responsibility of the end user.

*Tall stands are required when the stand width is 3.5 times the stand height.

3200 SERIES: PART NUMBER REFERENCE

3200 SERIES: COMMON MOUNT KIT

39MCM WW - #
└───┬───┘
 └───┘ **Number of Conveyors**
 └───┘ **Width Stand**

Example: 39MCM-244

3200 SERIES: ADJUSTABLE LANE GUIDING

27M GGG - 06 LL
└───┬───┘
 └───┘ **Conveyor Length Reference**
 └───┘ **Conveyor Width Reference**
└───┘ **Guide Type:**
 500 = 3200 Package **502** = Additional Lane Guide

Example: 27M500-0620

3200 SERIES: PULLEY TRANSFER PLATE

27M CCCC - 06
└───┬───┘
 └───┘ **Conveyor Width Reference**
 └───┘ **Conveyor Type**
 3200 = 3200 w/ 3" Tail **3201** = 3200 w/ 1" Tail

Example: 27M3200-06

3200 SERIES: 90° ADJUSTABLE TRANSFER

27M TTTT - 06
└───┬───┘
 └───┘ **Infeed Conveyor Width Reference**
 └───┘ **Transfer Type**
 3230 = 3200 w/ 3" Tail **3231** = 3200 w/ 1" Tail

Example: 27M3230-06

3200 SERIES: SIDE TABLES

27M TTT - 06 LLLL
└───┬───┘
 └───┘ **Table Length** (ex. 0250 = 2.5')
 └───┘ **Table Width: 06 = 6" 12 = 12"**
└───┘ **Conveyor / Table Type:**
 601 = 3200, one side **602** = 3200, two sides

Example: 27M601-060250

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4100 SERIES

LOW PROFILE CONVEYORS PAINTED STEEL



General Specifications:

- Flat Belt End Drive
- 1" (25 mm) diameter head & tail pulleys
- Belt Widths: 0.75" (19 mm) to 12" (305 mm)
- Lengths: 2' (610 mm) to 6' (1,829 mm)
- Loads up to 80 lbs (36 kg)

Applications:

- Metal Forming
- Metal Stamping
- Machined Part Handling
- Part Extraction

FLAT BELT END DRIVE **130**

PROFILES **198**

BELTING **200**

GEARMOTOR MOUNTING PACKAGES **203**

GEARMOTORS **210**

SUPPORT STANDS **218**

ACCESSORIES **223**

PART NUMBER REFERENCE **132**

4100 SERIES: FLAT BELT END DRIVE



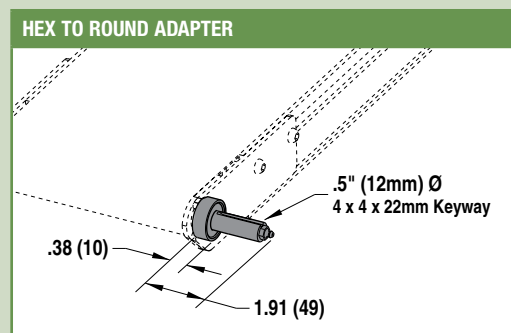
Specifications:

- Loads up to 80 lbs* (36 kg)
- Belt speeds up to 255 ft/min (78 m/min)
- Belt widths: 0.75" (19 mm) to 12" (305 mm)
- Conveyor lengths: 2' (610 mm) to 6' (1,829 mm)
- 1" (25 mm) diameter drive pulley turns approximately 3.4" (86 mm) of belt per revolution
- 12-gauge roll formed steel frame
- 1.5" (38 mm) bottom of frame to top of belt

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

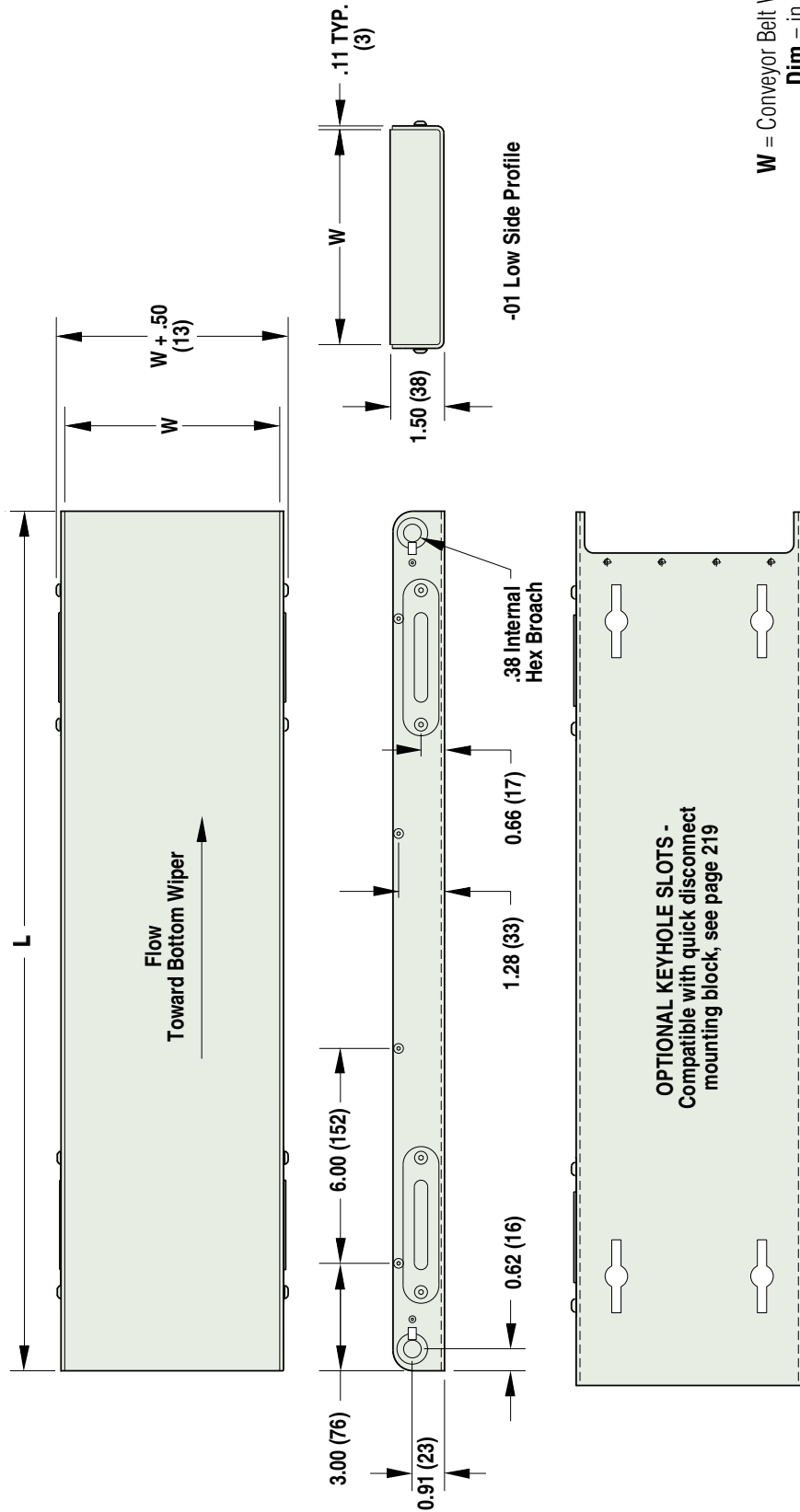
- Mild steel one-piece frame with 0.25" (6 mm) thick bed plate for strength and durability
- Durable baked enamel finish
- Low maintenance fixed pulley centers with no belt tracking requirements
- Magnetic models available
- Wide variety of profiles and accessories
- Durable 0.25" (6 mm) thick bottom wiper removes debris from belt
- Belt type and materials to match application requirements



Order gearmotor mounting packages and gearmotors separately, see pages 203-215.
For support stands and accessories, see pages 218-224.

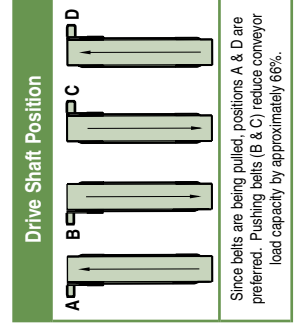
For ordering information, see page 132

4100 SERIES: FLAT BELT END DRIVE



W = Conveyor Belt Width
Dim = in (mm)

STANDARD SIZES						
Conveyor Width Reference	01	02	03	04	06	08 12
Conveyor Belt Width (W)	.75" (19mm)	1.75" (44mm)	2.75" (70mm)	3.75" (95mm)	6" (152mm)	8" (203mm) 12" (305mm)
Conveyor Length Reference	02		01 increments up to...			06
Conveyor Length (L)	2' (610mm)		1' increments up to...			6' (1,829mm)

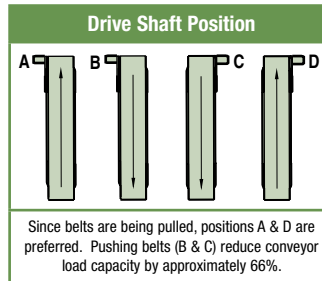
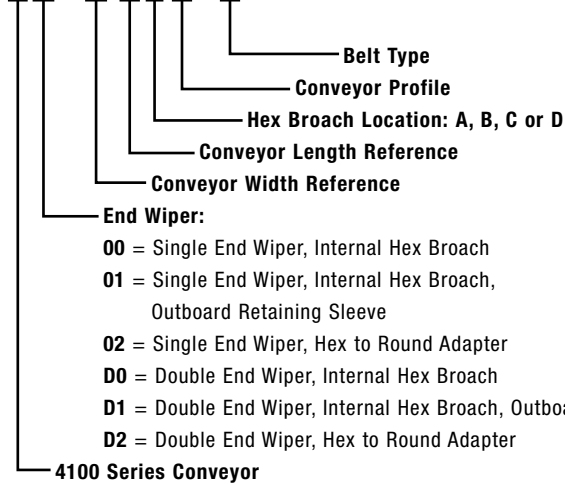


For more information, go to www.dorner.com. Call 800.397.8664 or 262.367.7600.
Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.

4100 SERIES: PART NUMBER REFERENCE

4100 SERIES: END DRIVE CONVEYOR

4100 B 02 03 A 02 / 02

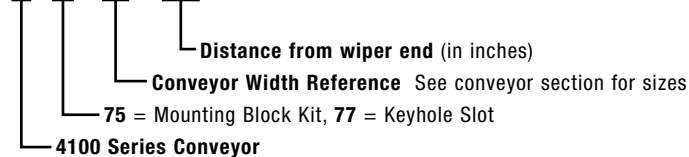


Example: 4100B0203A02/02

Description: 4100 Series End Drive Conveyor 2" (44) wide x 3' (914) long with hex broach located in the A position, high side profile and general purpose belt.

4100 SERIES: MOUNTING BLOCK OR KEYHOLE SLOT

43- 75 - WW - LLLL



Block 1 Example: 43-75-06-0300

Description: 4100 Series Mounting Block for 6" (152) wide conveyor, centered 3" (76) from wiper end the conveyor.

Block 2 Example: 43-75-06-3350

Description: 4100 Series Mounting Block for 6" (152) wide conveyor, centered 33.5" (851) from wiper end the conveyor.

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4100 SERIES: PART NUMBER REFERENCE

4100 SERIES: HEX TO ROUND ADAPTER

43 - 38 - 02

Conveyor Width Reference: 01 = .75" (19) wide (.5" diameter only)

02 = 1.75" (44) wide

03 = 2.75" (70) wide

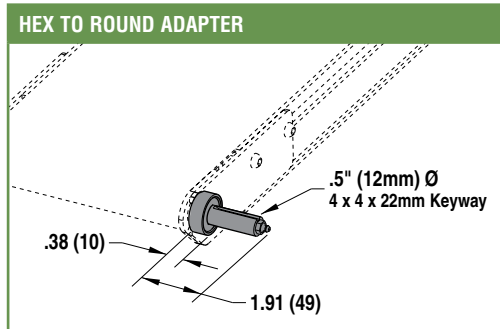
04 = 3.75" (95) to 12" (305) wide

Shaft Diameter: 38 = .5", 48 = 12mm

4100 Series Conveyor

Example: 43-38-02

Description: 4100 Series hex to round adapter for 1.75" (44) wide conveyor, 0.5" diameter shaft.



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5200/5300 SERIES

HEAVY DUTY CHAIN CONVEYORS
EXTRUDED ALUMINUM



DustPruf™

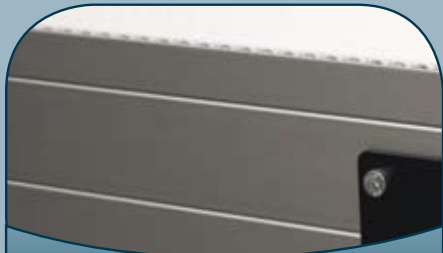


General Specifications:

- Straight Modular Flat Belt, Cleated Belt and Curved Modular Flat Belt models
- DustPruf™ Straight Modular Flat Belt, Cleated Belt and Curved Modular Flat Belt models
- Straight Z-frame Modular Flat Belt, Cleated Belt and Curved Modular Flat Belt models
- Lengths: 36" (914 mm) to 999" (25,375 mm)
- CE models available
- Widths:
 - Curves: 8" (203 mm) to 36" (914 mm)
 - Straights: 6" (152 mm) to 60" (1,524 mm)
 - Z-frame Straights and Curves: 8" (203 mm) to 24" (610 mm)
- Load Capacity:
 - Straights and Z-frame Straights: up to 1,000 lbs (453 kg)
 - Curves and Z-frame Curves: up to 500 lbs (226 kg)

Applications:

- Part Transfers
- Part Accumulation
- Mainline Packaging
- High Speed Long Runs
- Automated and Manual Assembly
- Part Incline / Decline Routing (Z-Frame)



**DustPruf™ Conveyors
Include SmartSlot™**



**Easy Reconfiguration
with No Drilling
Required**

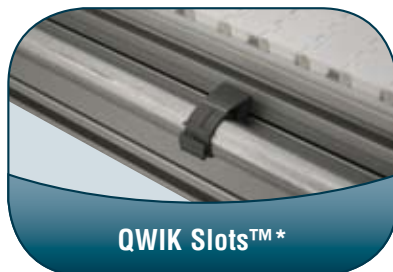
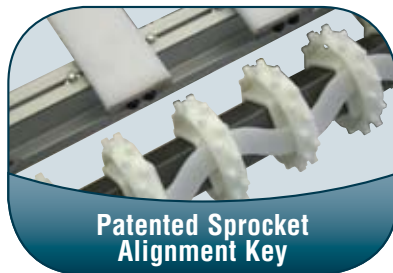
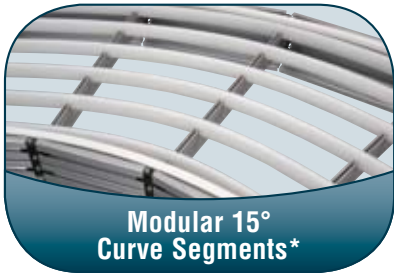


**T-Slots & QWIK Slots™
for Ease of Mounting
Accessories**

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Designed to be as flexible as your manufacturing requirements.

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



* 5200 Series only

Z-framed, 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

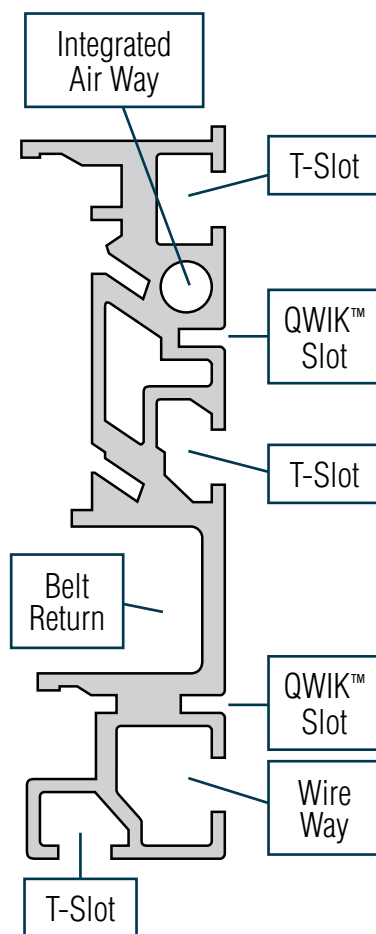
QWIK System Setup

- Automation-enabled for easy system set up and integration
- 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

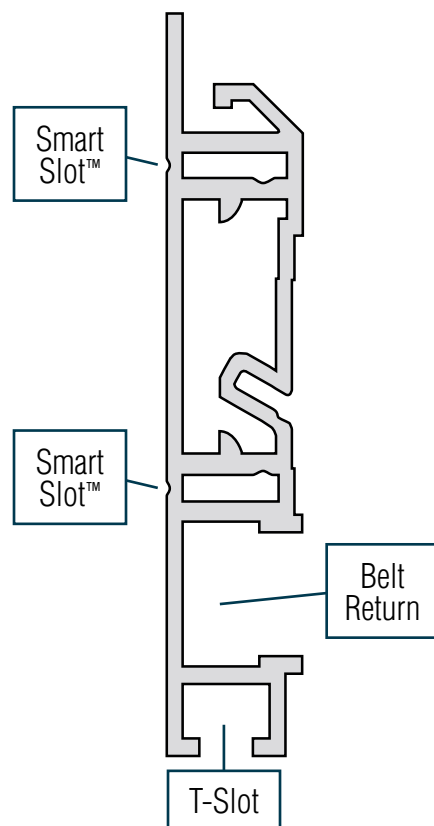
QWIK Bottom Line Results

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

5200 Series Side Rail Features



5300 Series Side Rail Features



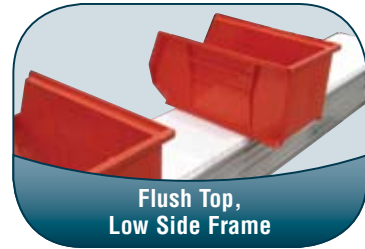
QWIK 5200 SERIES: STRAIGHT MODULAR FLAT BELT



Specifications:

- Loads up to 1,000 lbs (455 kg)
- Belt speeds up to 250 ft/min (76 m/min)
- Belt widths: 8" (203 mm) to 60" (1,524 mm)
- Conveyor lengths: 36" (914 mm) to 999" (25,375 mm)
- UHMW wear strip belt support
- One revolution of the drive pulley moves the belt approximately 12"
- Two T-slots for mounting accessories
- Rigid, 5.8" high, anodized aluminum frame
- Available in friction top belts* up to 24" (610 mm) wide
- CE models available

* see page 160 for details



Flush Top,
Low Side Frame



UHMW Belt
Tracking Guides



Support Stands Mount Directly
to Bottom of Frame

Features & Benefits:

- QWIK Slots™ make mounting air and electrical lines simple with no drilling, special tools or T-nuts required
- Completely contained belt eliminates catenary sag and reduces pinch points
- Designed-in low voltage wireway provides support and protection for low voltage wires running from the electronic device to the main junction or control box
- Drive and tail assemblies require no holes in side rails making reconfiguration quick and easy
- 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 side rail which keeps frame open for mounting accessories
- 1" nose bar drive and idler option
- Flush top for true low side conveying accommodates products wider than belt



OPTIONAL:
Nose Bar Tail

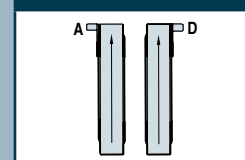
Includes sealed bearings with 1" (25 mm) diameter rollers. Available at either end for small part transfers. (2" effective diameter with belt thickness)

STANDARD SIZES

Conveyor Width Reference	08	02 increments up to...	60
Conveyor Length Reference	036	0001 increments up to...	999
Conveyor Length (L)	36" (914mm)	1" (25mm) increments up to...	999" (25,375mm)

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations of these frame joints. Support is recommended at each frame joint.

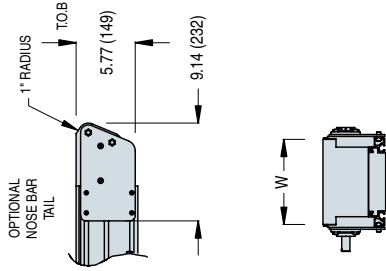
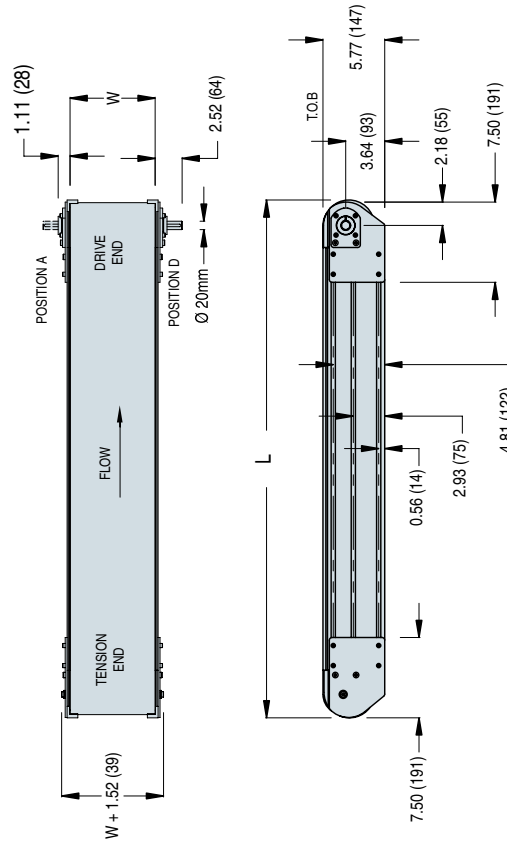
Drive Shaft Position



Order gearmotor mounting packages and gearmotors separately, see pages 161-171.
For support stands and accessories, see pages 175-182.

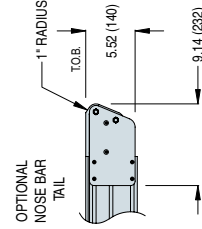
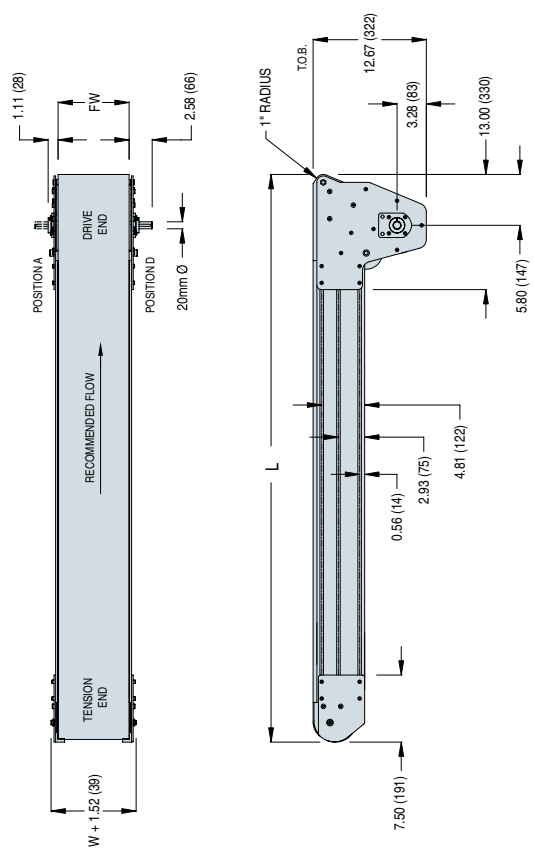
For ordering information, see page 183

END DRIVE MODEL



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

NOSE BAR DRIVE MODEL



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

Belt Width Table

Conveyor Width (in)	Belt Width	Outside Frame Width
08	7.89	8.53
10	9.85	10.50
12	11.84	12.48
14	13.79	14.45
16	15.76	16.43
18	17.73	18.40
20	19.70	20.38
22	21.66	22.35
24	23.63	24.33
26	25.60	26.30
28	27.57	28.28
30	29.54	30.25
32	31.50	32.23
34	33.47	34.20
36	35.44	36.18
38	37.41	38.15
40	39.37	40.13
42	41.34	42.10
44	43.31	44.08
46	45.28	46.05
48	47.24	48.03
50	49.21	50.00
52	51.18	51.98
54	53.15	53.95
56	55.12	55.93
58	57.08	57.90
60	59.05	59.88

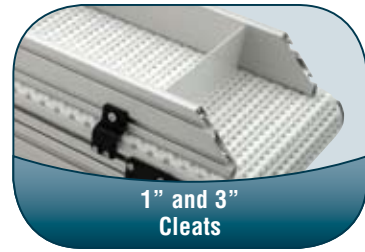
For more information, go to www.dorner.com. Call 800.397.8664 or 262.367.7600.
Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.

QWIK 5200 SERIES: STRAIGHT MODULAR CLEATED BELT



Specifications:

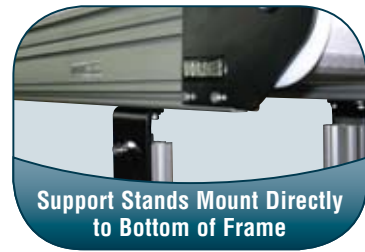
- Loads up to 1,000 lbs (455 kg)
- Belt speeds up to 250 ft/min (76 m/min)
- Belt widths: 8" (203 mm) to 24" (610 mm)
- Conveyor lengths: 36" (914 mm) to 999" (25,375 mm)
- UHMW wear strip belt support
- One revolution of the drive pulley moves the belt approximately 12"
- Two T-slots for mounting accessories
- Rigid, 5.8" high, anodized aluminum frame
- Available in 1" and 3" high cleats
- **CE** models available



1" and 3"
Cleats



UHMW Belt
Tracking Guides



Support Stands Mount Directly
to Bottom of Frame

Features & Benefits:

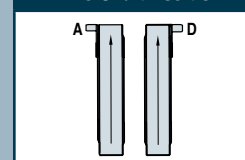
- QWIK Slots™ make mounting air and electrical lines simple with no drilling, special tools or T-nuts required
- Completely contained belt eliminates catenary sag and reduces pinch points
- Designed-in low voltage wireway provides support and protection for low voltage wires running from the electronic device to the main junction or control box
- Drive and tail assemblies require no holes in side rails making reconfiguration quick and easy
- 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 side rail which keeps frame open for mounting accessories
- Flush top for true low side conveying accommodates products wider than belt

STANDARD SIZES

Conveyor Width Reference	08	02 increments up to...	24
Conveyor Length Reference	036	0001 increments up to...	999
Conveyor Length (L)	36" (914mm)	1" (25mm) increments up to...	999" (25,375mm)

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations of these frame joints. Support is recommended at each frame joint.

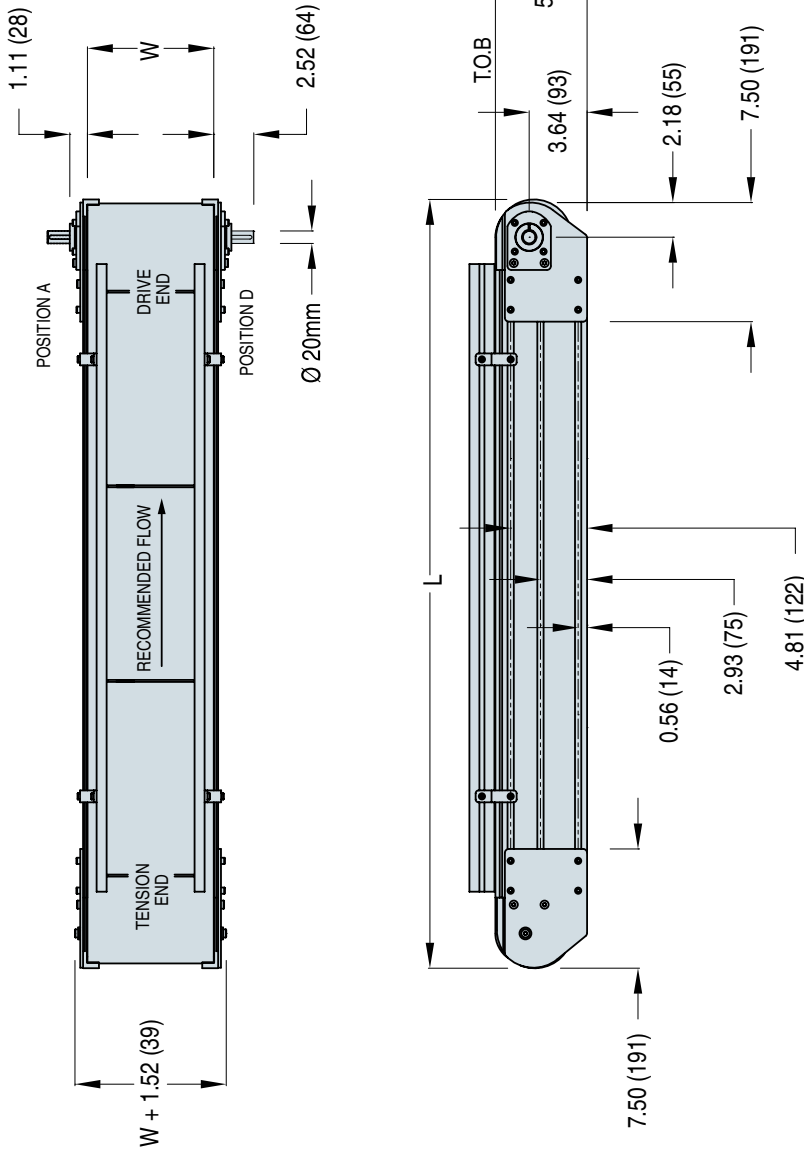
Drive Shaft Position



Order gearmotor mounting packages and gearmotors separately, see pages 161-171.
For support stands and accessories, see pages 175-182.

For ordering information, see page 183

QWIK SERIES: STRAIGHT MODULAR CLEATED BELT



A: 1" Cleats = 7.41 (188)
3" Cleats = 8.98 (228)

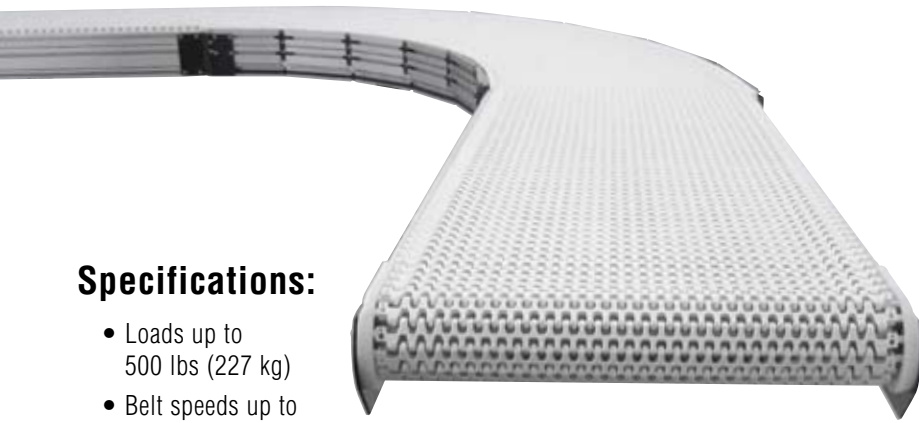
W = Conveyor Belt Width **Dim** = in (mm)

Belt Width Table

Conveyor Width (in)	Belt Width	Outside Frame Width	Cleat Width	Pocket Width
08	7.89	8.53	5.29	5.53
10	9.85	10.50	7.25	7.50
12	11.84	12.48	9.24	9.48
14	13.79	14.45	11.19	11.45
16	15.76	16.43	13.16	13.43
18	17.73	18.40	15.13	15.40
20	19.70	20.38	17.10	17.38
22	21.66	22.35	19.06	19.35
24	23.63	24.33	21.03	21.33

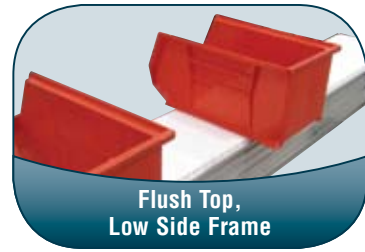
For more information, go to www.dorner.com. Call 800.397.8664 or 262.367.7600.
Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.

QWIK 5200 SERIES: CURVED MODULAR FLAT BELT



Specifications:

- Loads up to 500 lbs (227 kg)
- Belt speeds up to 250 ft/min (76 m/min)
- Belt widths: 8" (203 mm) to 36" (914 mm)
- Conveyor lengths: 36" (914 mm) to 999" (25,375 mm)
- Curves available from 15° to 180° in 15° increments
- UHMW wear strip belt support
- One revolution of the drive pulley moves the belt approximately 12"
- Two T-slots for mounting accessories
- Rigid, 5.8" high, anodized aluminum frame
- CE models available



Flush Top,
Low Side Frame



UHMW Belt
Tracking Guides



Support Stands Mount Directly
to Bottom of Frame

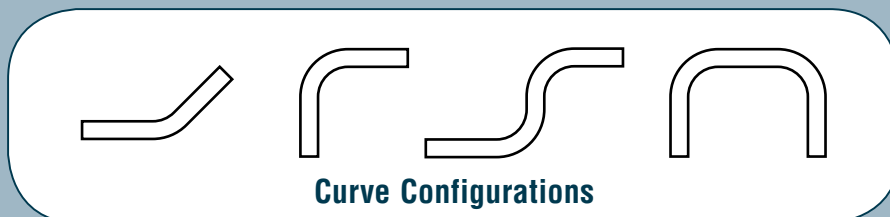
Features & Benefits:

- Pre-engineered 15° curve segments makes reconfiguration quick and easy
- QWIK Slots™ make mounting air and electrical lines simple with no drilling, special tools or T-nuts required
- Flush top for true low side conveying accommodates products wider than belt width
- Inside and outside UHMW hold downs for belt alignment through curves
- Completely contained belt eliminates catenary sag and reduces pinch points
- Designed-in low voltage wireway provides support and protection for low voltage wires running from the electronic device to the main junction or control box
- Tail assemblies require no holes in side rails making reconfiguration quick and easy
- 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 side rail which keeps frame open for mounting accessories
- Nose Bar drive and idler option

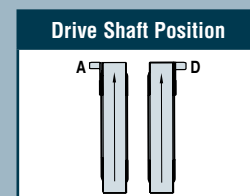


OPTIONAL:
Nose Bar Tail

Includes sealed bearings with 1-5/8" (41 mm) diameter rollers. Available at either end for small part transfers. (2.6" effective diameter with belt thickness)



Curve Configurations

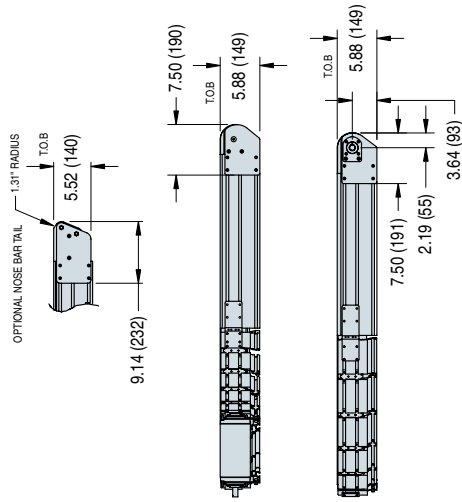
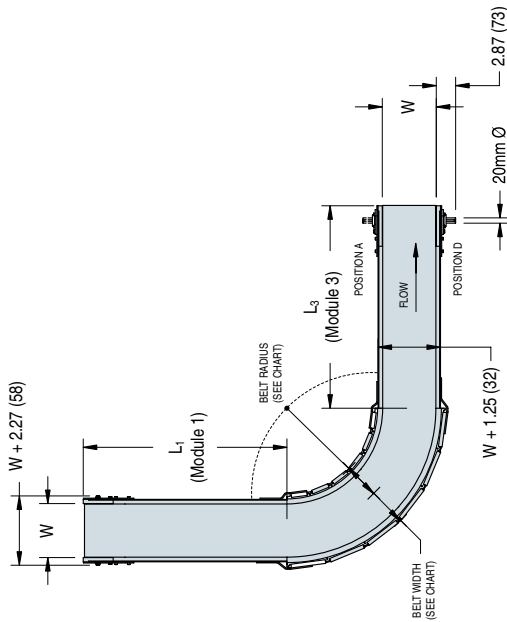


Drive Shaft Position

Order gearmotor mounting packages and gearmotors separately, see pages 161-171.
For support stands and accessories, see pages 175-182.

For ordering information, see page 183

END DRIVE MODEL

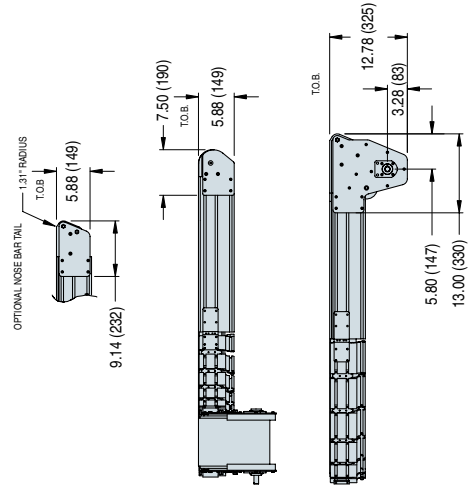
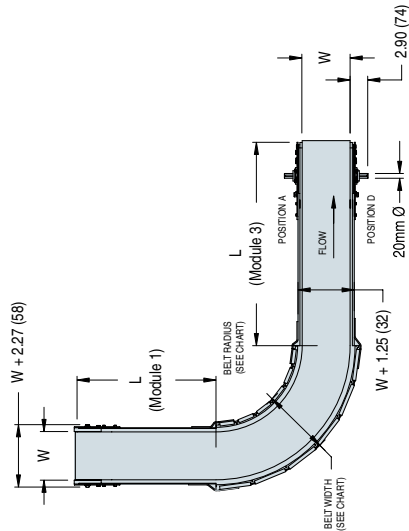


W = Conveyor Belt Width Dim = in (mm)

Belt Width Table

Conveyor Width (in)	Top of Belt Width	Belt Width Including Tab	Inside Radius to Center Line of Belt / Chain	Frame Width in Straight	Frame Width in Curve
08	7.80	8.55	10.6	9.26	10.91
10	9.81	10.56	14.1	11.22	12.87
12	11.79	12.53	17.5	13.19	14.84
14	13.75	14.50	20.8	15.15	16.80
16	15.72	16.47	24.1	17.12	18.77
18	17.69	18.44	27.4	19.08	20.73
20	19.66	20.41	30.7	21.05	22.70
22	21.63	22.38	33.9	23.01	24.66
24	23.60	24.35	37.2	24.98	26.63
26	25.55	26.29	40.5	26.94	28.59
28	27.51	28.26	43.6	28.91	30.56
30	29.48	30.23	47.0	30.87	32.52
32	31.45	32.20	50.2	32.84	34.49
34	33.42	34.17	53.6	34.80	36.45
36	35.39	36.14	56.8	36.77	38.42

NOSE BAR DRIVE MODEL



W = Conveyor Belt Width Dim = in (mm)

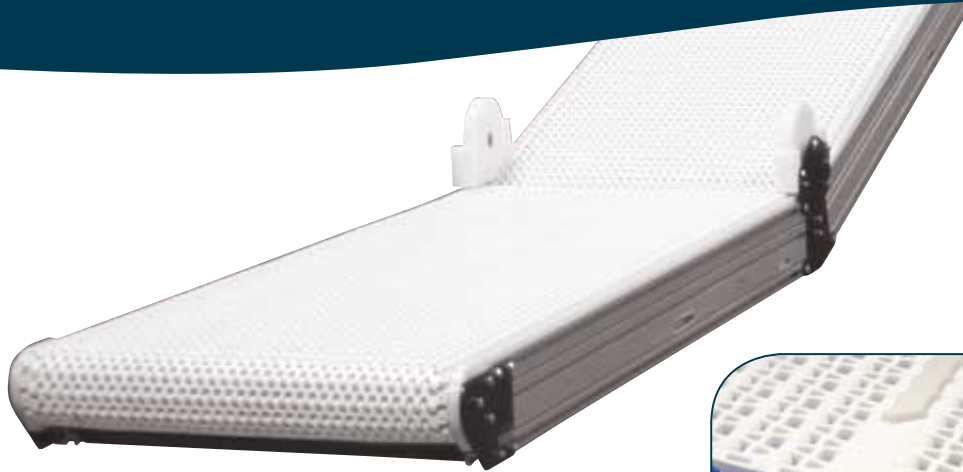
STANDARD SIZES

Conveyor Width Reference	08	02 increments up to ...	36
Conveyor Belt Width (W)	8" (203mm)	2" (51mm) increments up to ...	36" (914mm)
Module Length Reference	020	001 increments up to ...	999
Module Length (L ₁)	greater of 20" (508) or 1.5W	1" (25mm) increments up to ...	999" (25,375mm)
Module Length (L ₃)	greater of 36" (914) or 2W	1" (25mm) increments up to ...	999" (25,375mm)

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations of these frame joints. Support is recommended at each frame joint.

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.

QWIK 5200 SERIES: Z-FRAME STRAIGHT MODULAR FLAT BELT



Specifications:

- Loads up to 1,000 lbs (453 kg)
- Belt speeds up to 250 ft/min (76 m/min)
- Belt widths: 8" (203 mm) to 24" (610 mm)
- Conveyor lengths: 36" (914 mm) to 999" (25,375 mm)
- Standard angles: 5°, 10°, 15°, 30°, 45°, 60°
- Custom angles available in 5° increments
- UHMW wear strip belt support
- One revolution of the drive pulley moves the belt approximately 12"
- Two T-slots for mounting accessories
- Rigid, 5.8" high, anodized aluminum frame
- CE models available



Friction Insert Belts Available



UHMW Belt Tracking Guides

Features & Benefits:

- Fewer transfers for less product loss
- QWIK Slots™, make mounting air and electrical lines simple with no drilling, special tools or T-nuts required
- Completely contained belt eliminates catenary sag and reduces pinch points
- Designed-in low voltage wireway provides support and protection for low voltage wires running from the electronic device to the main junction or control box
- Drive and tail assemblies require no holes in side rails making reconfiguration quick and easy
- 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 side rail which keeps frame open for mounting accessories
- 1" nose bar drive and idler option



OPTIONAL:
Nose Bar Tail

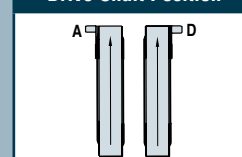
Includes sealed bearings and 1" (25 mm) diameter rollers. Available at either end for small part transfers. (2" effective diameter with belt thickness)

STANDARD SIZES

Conveyor Width Reference	08	02 increments up to...	24
Conveyor Belt Width (W)	8" (203mm)	2" (51mm) increments up to...	24" (610mm)
Module Length Reference	024	001 increments up to...	999
Module Length (L ₁ / L ₂ / L ₃)	24" (610mm)	1" (25mm) increments up to...	999" (25,375mm)

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations of these frame joints. Support is recommended at each frame joint.

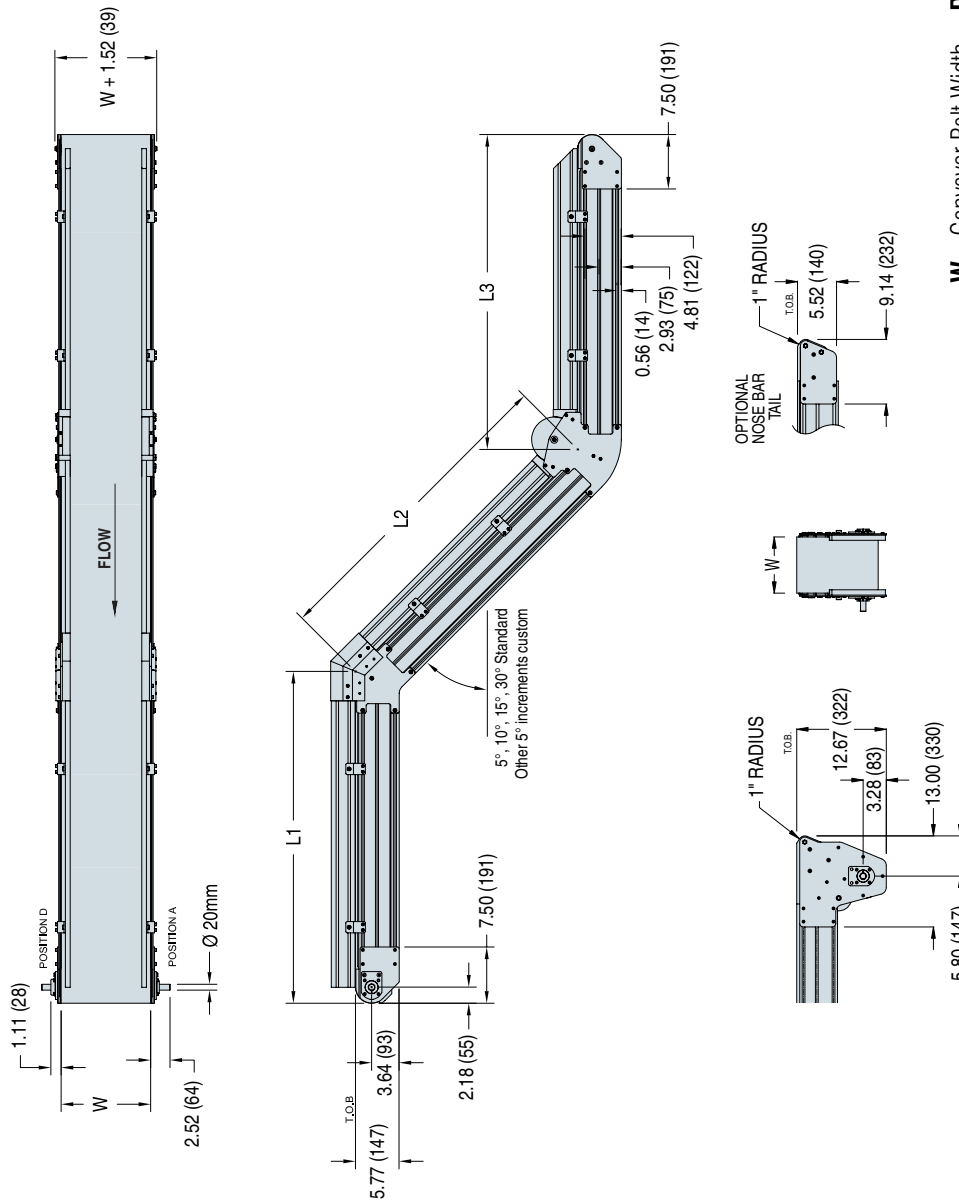
Drive Shaft Position



Order gearmotor mounting packages and gearmotors separately, see pages 161-171.
For support stands and accessories, see pages 175-182.

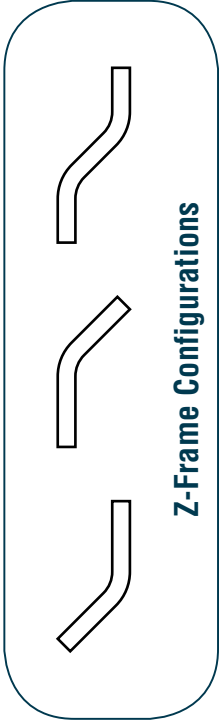
For ordering information, see page 183

QWIK SERIES: Z-FRAME STRAIGHT MODULAR FLAT BELT



W = Conveyor Belt Width Dim = in (mm)

Belt Width Table		
Conveyor Width (in)	Belt Width	Outside Frame Width
08	7.89	8.53
10	9.85	10.50
12	11.84	12.48
14	13.79	14.45
16	15.76	16.43
18	17.73	18.40
20	19.70	20.38
22	21.66	22.35
24	23.63	24.33



Z-Frame Configurations

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:

- Loads up to 1,000 lbs (453 kg)
- Belt speeds up to 250 ft/min (76 m/min)
- Belt widths: 8" (203 mm) to 24" (610 mm)
- Conveyor lengths: 36" (914 mm) to 999" (25,375 mm)
- Standard angles: 5°, 10°, 15°, 30°, 45°, 60°
- Custom angles available in 5° increments
- UHMW wear strip belt supports
- One revolution of the drive pulley moves the belt approximately 12"
- Two T-slots for mounting accessories
- Rigid, 5.8" high, anodized aluminum frame
- Available in 1" and 3" high cleats
- CE models available



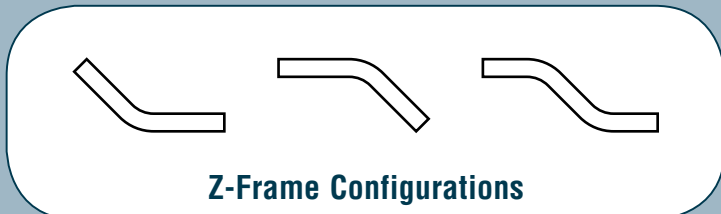
UHMW Belt Tracking Guides



1" and 3" Cleats

Features & Benefits:

- Fewer transfers for less product loss
- QWIK Slots™, make mounting air and electrical lines simple with no drilling, special tools or T-nuts required
- Completely contained belt eliminates catenary sag and reduces pinch points
- Designed-in low voltage wireway provides support and protection for low voltage wires running from the electronic device to the main junction or control box
- Drive and tail assemblies require no holes in side rails making reconfiguration quick and easy
- 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 side rail which keeps frame open for mounting accessories

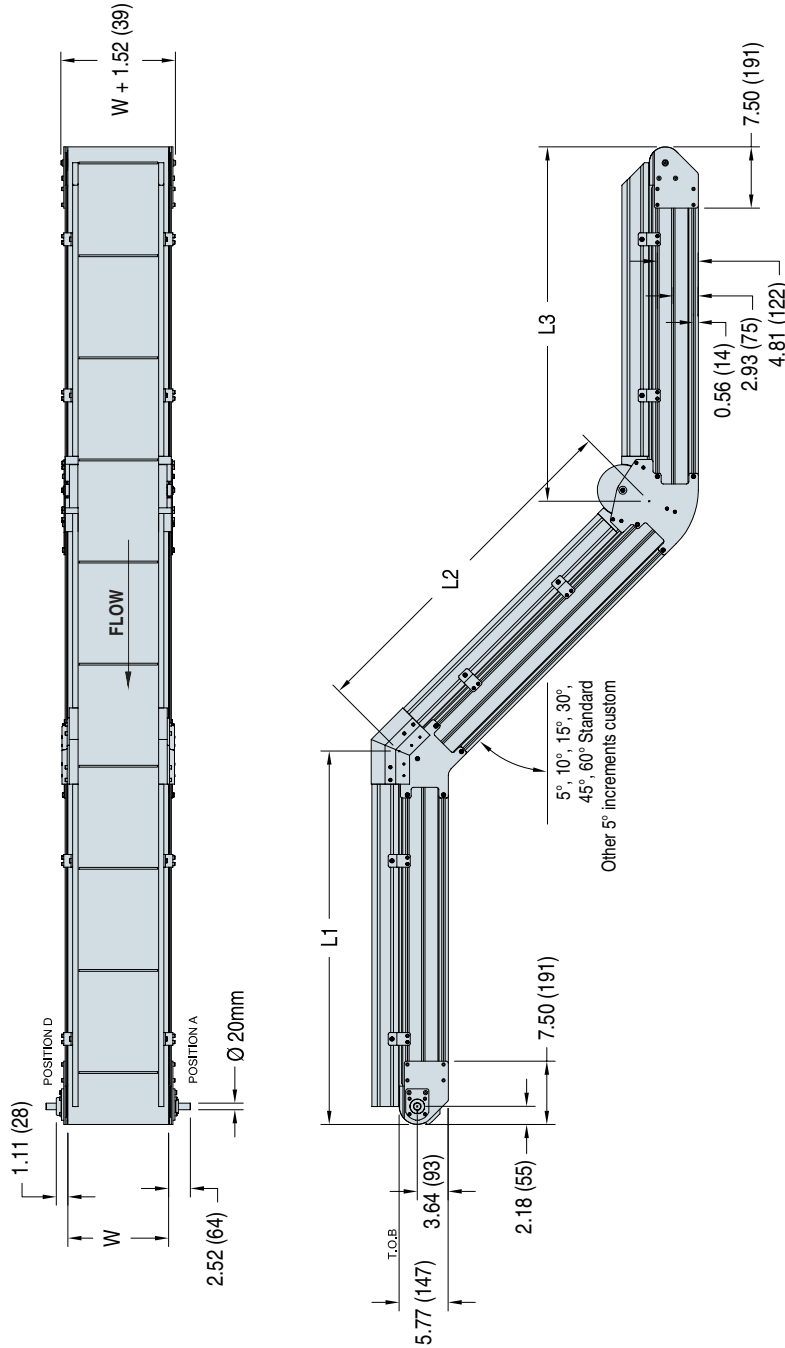


Z-Frame Configurations

Order gearmotor mounting packages and gearmotors separately, see pages 161-171.
For support stands and accessories, see pages 175-182.

For ordering information, see page 183

QWIK SERIES Z-FRAME STRAIGHT MODULAR CLEATED BELT



W = Conveyor Belt Width Dim = in (mm)

Belt Width Table

Conveyor Width (in)	Belt Width	Outside Frame Width	Cleat Width	Pocket Width
08	7.89	8.53	5.29	5.53
10	9.85	10.50	7.25	7.50
12	11.84	12.48	9.24	9.48
14	13.79	14.45	11.19	11.45
16	15.76	16.43	13.16	13.43
18	17.73	18.40	15.13	15.40
20	19.70	20.38	17.10	17.38
22	21.66	22.35	19.06	19.35
24	23.63	24.33	21.03	21.33

STANDARD SIZES

Conveyor Width Reference	08	02 increments up to...	24
Conveyor Belt Width (W)	8" (203mm)	2" (51mm) increments up to...	24" (610mm)
Module Length Reference	024	001 increments up to...	999
Module Length (L₁ / L₂ / L₃)	24" (610mm)	1" (25mm) increments up to...	999" (25,375mm)

NOTE: Conveyor longer than 12" (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations of these frame joints. Support is recommended at each frame joint.

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.

QWIK 5200 SERIES: Z-FRAME CURVED MODULAR FLAT BELT



Specifications:

- Loads up to 500 lbs (453 kg)
- Belt speeds up to 250 ft/min (76 m/min)
- Belt widths: 8" (203 mm) to 24" (610 mm)
- Conveyor lengths: 36" (914 mm) to 999" (25,375 mm)
- Curves available from 15° - 180° in 15° increments
- Standard angles: 5°, 10°, 15°, 30°
- Custom angles available in 5° increments
- UHMW wear strip belt support
- One revolution of the drive pulley moves the belt approximately 12"
- Two T-slots for mounting accessories
- Rigid, 5.8" high, anodized aluminum frame
- CE models available



Friction Insert Belts Available



UHMW Belt Tracking Guides

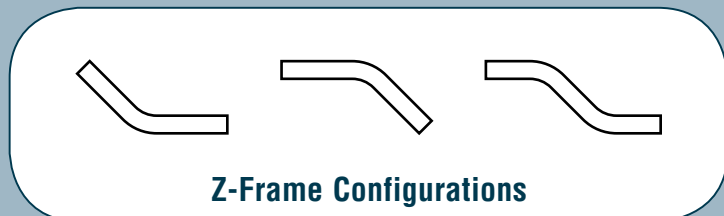
Features & Benefits:

- Fewer transfers for less product loss
- QWIK Slots™, make mounting air and electrical lines simple with no drilling, special tools or T-nuts required
- Completely contained belt eliminates catenary sag and reduces pinch points
- Designed-in low voltage wireway provides support and protection for low voltage wires running from the electronic device to the main junction or control box
- Drive and tail assemblies require no holes in side rails making reconfiguration quick and easy
- 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 side rail which keeps frame open for mounting accessories
- Nose Bar drive and idler option



OPTIONAL:
Nose Bar Tail

Includes sealed bearings with 1-5/8" (41 mm) diameter rollers. Available at either end for small part transfers. (2.6" effective diameter with belt thickness)

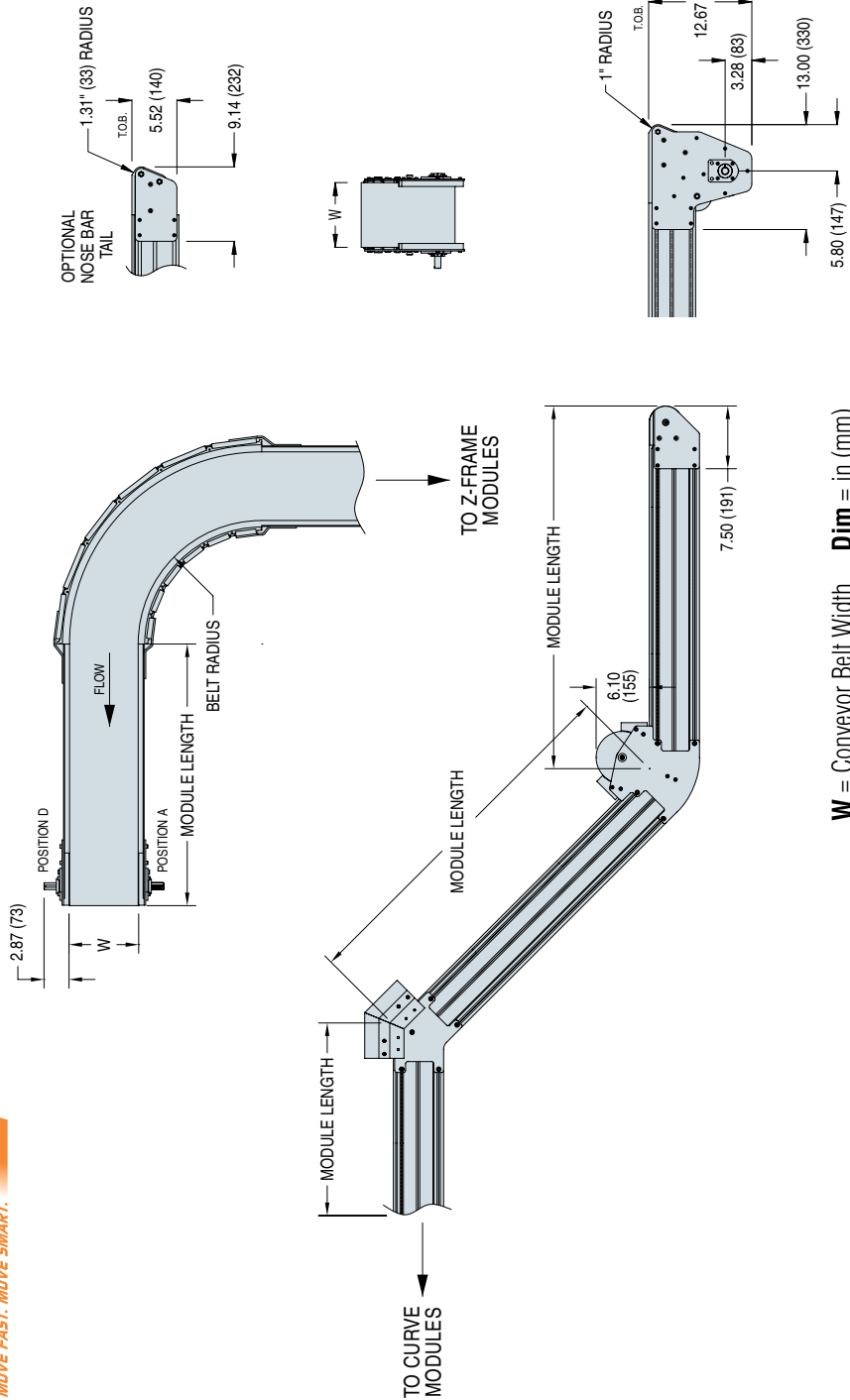


Z-Frame Configurations

Order gearmotor mounting packages and gearmotors separately, see pages 161-171.
For support stands and accessories, see pages 175-182.

For ordering information, see page 183

QWIK SERIES Z-FRAME CURVED MODULAR FLAT BELT

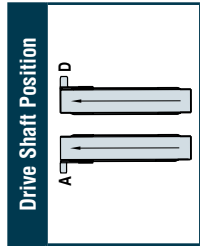


W = Conveyor Belt Width Dim = in (mm)

STANDARD SIZES	
Conveyor Width Reference	08
Conveyor Belt Width (W)	8" (203mm)
Module Length Reference	020
Module Length (L₁)	greater of 36" (914) or 2W
Module Length (L₂)	greater of 20" (508) or 1.5W
Module Length (L₃ / L₄)	24" (610mm)

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations of these frame joints. Support is recommended at each frame joint.

Belt Width Table					
Conveyor Width (in)	Top of Belt Width	Belt Width Including Tab	Inside Radius of Belt	Frame Width in Straight	Frame Width in Curve
08	7.80	8.55	10.6	9.26	10.91
10	9.81	10.56	14.1	11.22	12.87
12	11.79	12.53	17.5	13.19	14.84
14	13.75	14.50	20.8	15.15	16.80
16	15.72	16.47	24.1	17.12	18.77
18	17.69	18.44	27.4	19.08	20.73
20	19.66	20.41	30.7	21.05	22.70
22	21.63	22.38	33.9	23.01	24.66
24	23.60	24.35	37.2	24.98	26.63



5300 SERIES: STRAIGHT MODULAR FLAT BELT

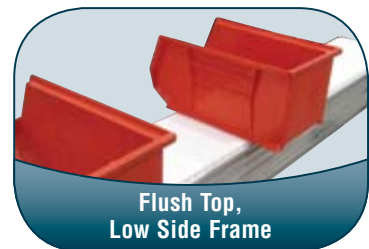
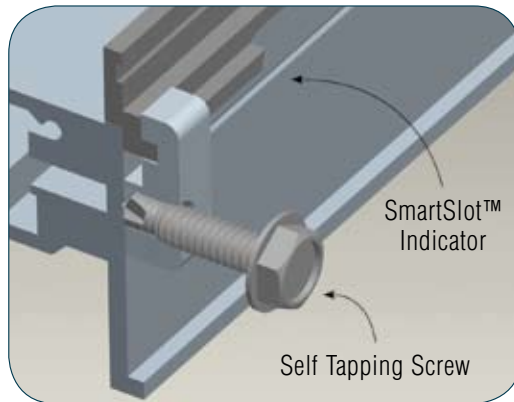
DustPruf™



Specifications:

- Loads up to 500 lbs (227 kg)
- Belt speeds up to 250 ft/min (76 m/min)
- Belt widths: 6" (152 mm) to 36" (914 mm)
- Conveyor lengths: 36" (914 mm) to 999" (25,375 mm)
- UHMW wear strip belt support
- One revolution of the drive pulley moves the belt approximately 12"
- Two SmartSlot™ mounting locations
- Rigid, 5.6" (142 mm) high, anodized aluminum frame
- Available in friction top belts* up to 24" (610 mm) wide
- CE models available

* see page 160 for details



Features & Benefits:

- 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

* Note: Curve nose bar tails are 1.6" diameter

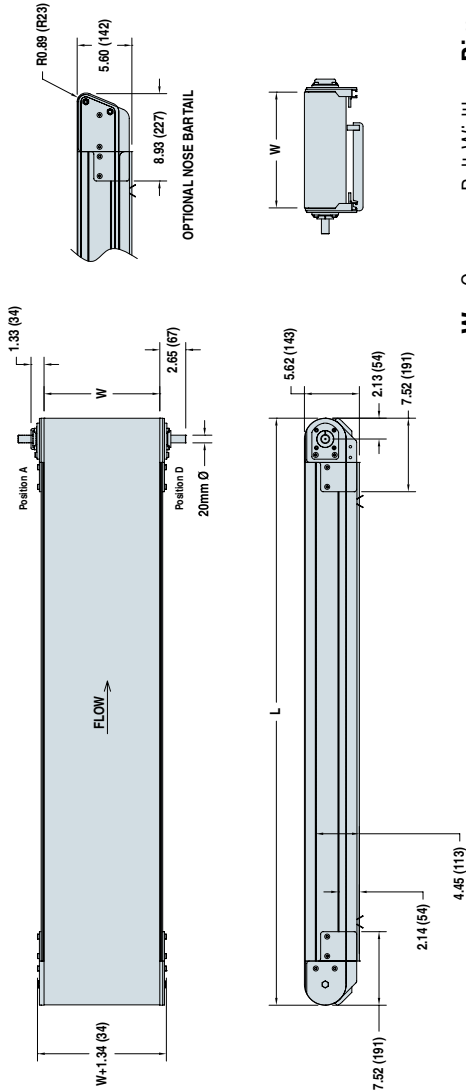


Includes sealed bearings with 1" (25 mm) diameter rollers. Available at either end for small part transfers.
(2" effective diameter with belt thickness)

Order gearmotor mounting packages and gearmotors separately, see pages 161-171.
For support stands and accessories, see pages 175-182.

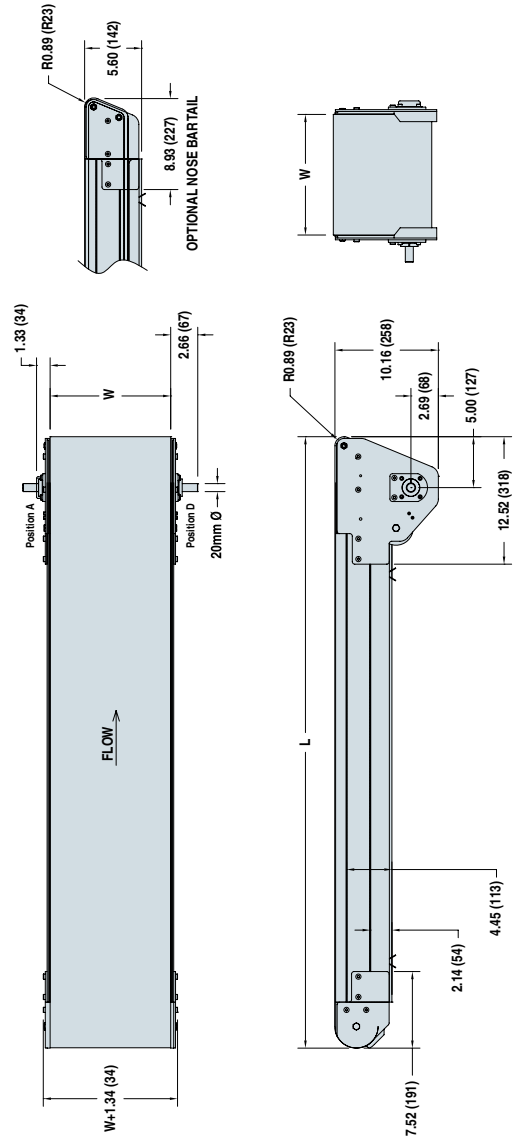
For ordering information, see page 188

END DRIVE MODEL



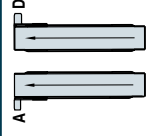
W = Conveyor Belt Width Dim = in (mm)

NOSE BAR DRIVE MODEL



W = Conveyor Belt Width Dim = in (mm)

Drive Shaft Position



Belt Width Table

Conveyor Width (in)	Belt Width	Outside Frame Width
06	5.90	6.48
08	7.89	8.48
10	9.85	10.45
12	11.84	12.43
14	13.79	14.40
16	15.76	16.38
18	17.73	18.35
20	19.70	20.33
22	21.66	22.30
24	23.63	24.28
26	25.60	26.25
28	27.57	28.23
30	29.54	30.20
32	31.50	32.17
34	33.47	34.15
36	35.44	36.13

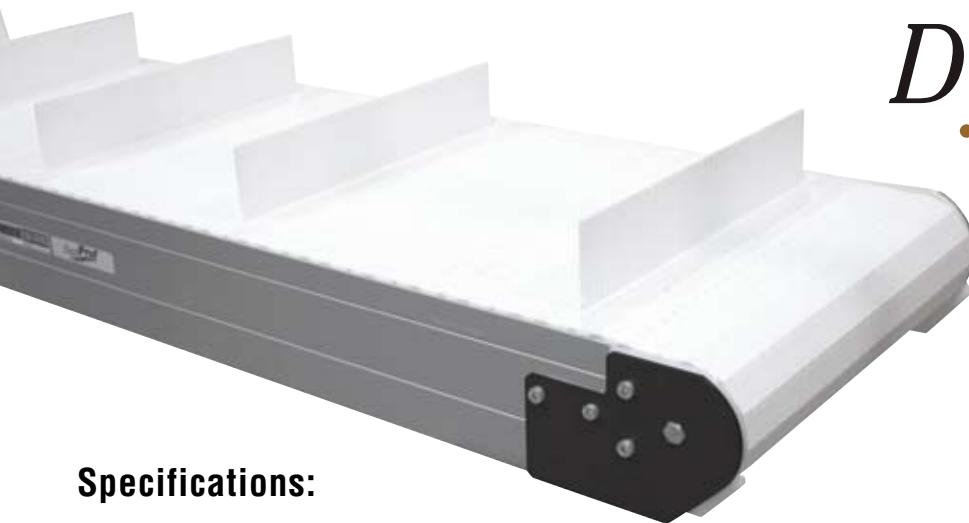
STANDARD SIZES

Conveyor Width Reference	06	02 increments up to ...	36
Conveyor Length Reference	036	0001 increments up to ...	999
Conveyor Length (L)	36" (914mm)	1" (25mm) increments up to ...	999" (25,375mm)

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations of these frame joints. Support is recommended at each frame joint.

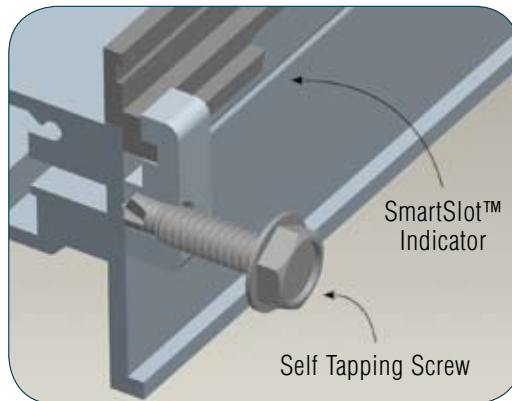
5300 SERIES: STRAIGHT MODULAR CLEATED BELT

DustPruf™



Specifications:

- Loads up to 500 lbs (227 kg)
- Belt speeds up to 250 ft/min (76 m/min)
- Belt widths: 8" (203 mm) to 24" (610 mm)
- Conveyor lengths: 36" (914 mm) to 999" (25,375 mm)
- UHMW wear strip belt support
- One revolution of the drive pulley moves the belt approximately 12"
- Two SmartSlot™ mounting locations
- Rigid, 5.6" (142 mm) high, anodized aluminum frame
- Available in 1" and 3" high cleats
- CE models available



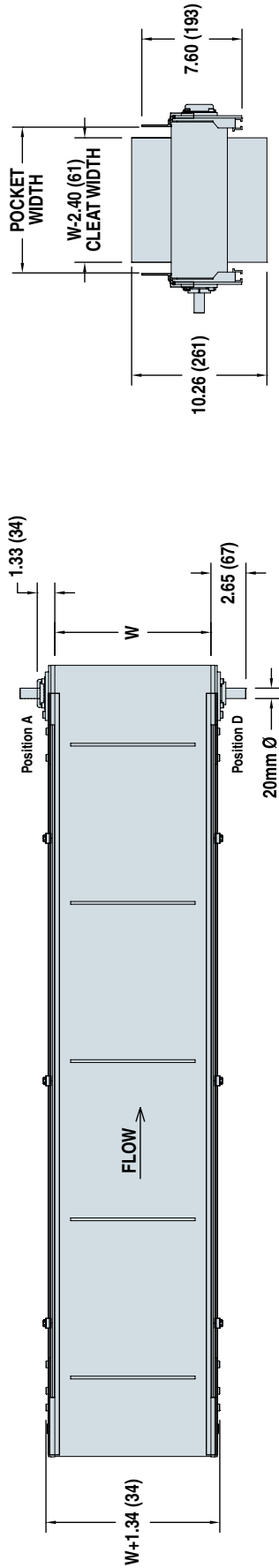
Features & Benefits:

- Two (2) SmartSlot™ mounting locations for ¼ - 20 or M6 - 1.0 fasteners
- Completely contained belt eliminates catenary sag and reduces pinch points
- 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

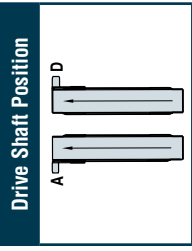
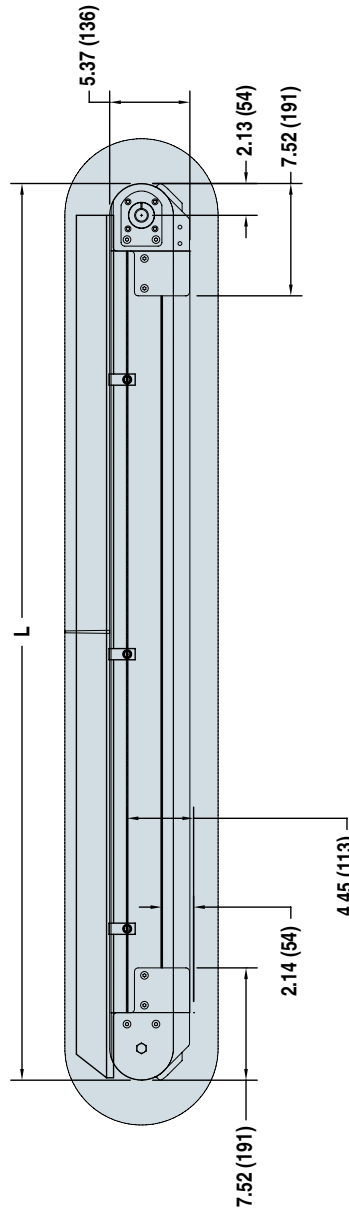
*Order gearmotor mounting packages and gearmotors separately, see pages 161-171.
For support stands and accessories, see pages 175-182.*

For ordering information, see page 188

5300 SERIES: STRAIGHT MODULAR CLEATED BELT



3" CLEATS SHOWN



W = Conveyor Belt Width Dim = in (mm)

Belt Width Table				
Conveyor Width (in)	Belt Width	Outside Frame Width	Cleat Width	Pocket Width
08	7.89	8.48	5.29	6.23
10	9.85	10.45	7.25	8.20
12	11.84	12.43	9.24	10.18
14	13.79	14.40	11.19	12.15
16	15.76	16.38	13.16	14.13
18	17.73	18.35	15.13	16.10
20	19.70	20.33	17.10	18.08
22	21.66	22.30	19.06	20.05
24	23.63	24.28	21.03	22.03

STANDARD SIZES		
Conveyor Width Reference	08	02 increments up to...
Conveyor Belt Width (W)	8" (203mm)	2" (51mm) increments up to...
Module Length Reference	036	001 increments up to...
Module Length (L ₁ / L ₂ / L ₃)	36" (914mm)	1" (25mm) increments up to...

NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations of these frame joints. Support is recommended at each frame joint.

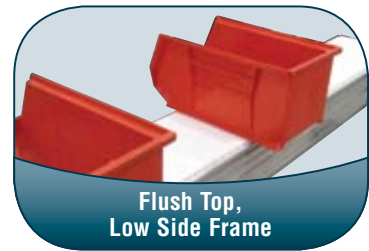
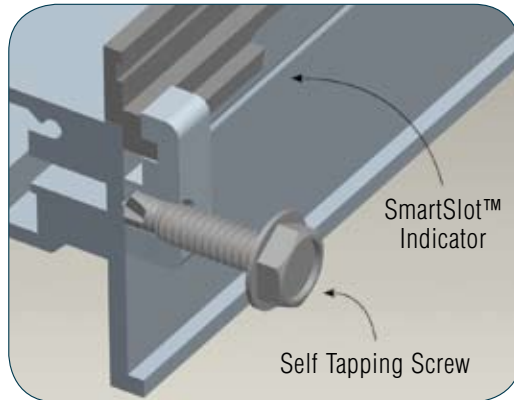
For more information, go to www.dorner.com. Call 800.397.8664 or 262.367.7600.
Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.

5300 SERIES: CURVED MODULAR FLAT BELT

DustPruf™

Specifications:

- Loads up to 500 lbs (227 kg)
- Belt speeds up to 250 ft/min (76 m/min)
- Belt widths: 8" (203 mm) to 36" (914 mm)
- Conveyor lengths: 36" (914 mm) to 999" (25,375 mm)
- Curves available in 45°, 90°, 135° and 180° degree angles
- UHMW wear strip belt support
- One revolution of the drive pulley moves the belt approximately 12"
- Two SmartSlot™ mounting locations
- Rigid, 5.6" (142 mm) high, anodized aluminum frame
- CE models available

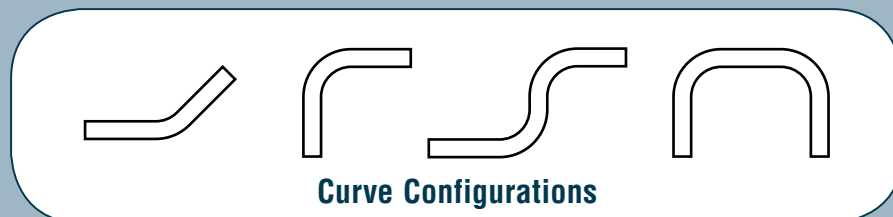


Features & Benefits:

- Two (2) SmartSlot™ mounting locations for 1/4 - 20 or M6 - 1.0 fasteners
- Completely contained belt eliminates catenary sag and reduces pinch points
- High speed 1-5/8" 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
- Support stands mount directly to bottom of conveyor rail keeping side rails open for mounting accessories



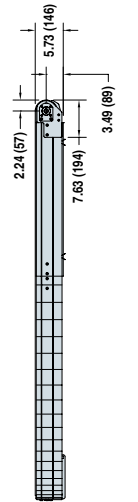
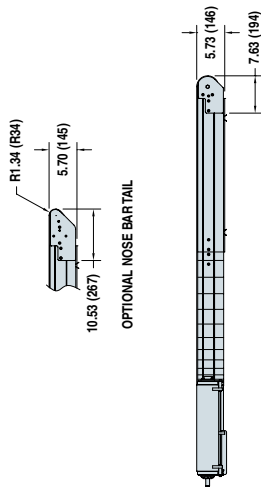
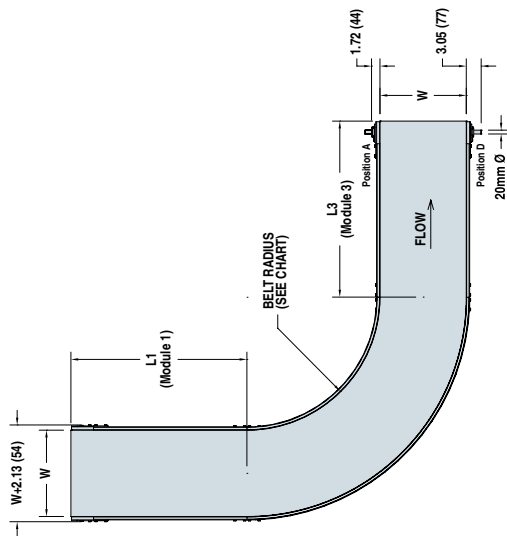
Includes sealed bearings with 1-5/8" (41 mm) diameter rollers. Available at either end for small part transfers. (2.6" effective diameter with belt thickness)



Order gearmotor mounting packages and gearmotors separately, see pages 161-171.
For support stands and accessories, see pages 175-182.

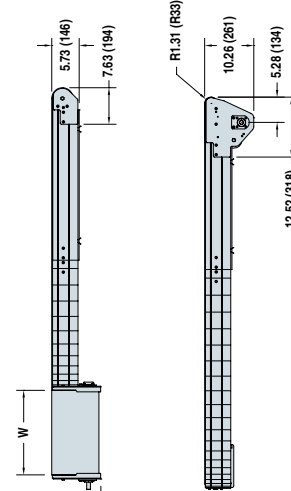
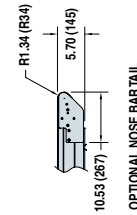
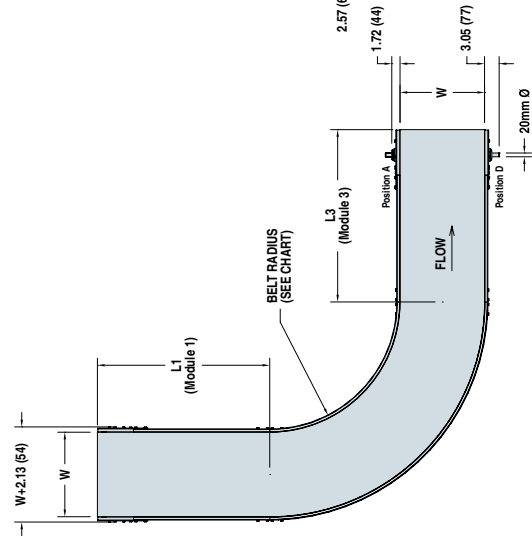
For ordering information, see page 189

END DRIVE MODEL



W = Conveyor Belt Width Dim = in (mm)

NOSE BAR DRIVE MODEL



W = Conveyor Belt Width Dim = in (mm)

Belt Width Table

Conveyor Width (in)	Top of Belt Width	Belt Width Including Tab	Inside Radius to Center Line of Belt / Chain	Frame Width in Straight
08	7.80	8.55	10.6	9.22
10	9.81	10.56	14.1	11.18
12	11.79	12.53	17.5	13.15
14	13.75	14.50	20.8	15.11
16	15.72	16.47	24.1	17.08
18	17.69	18.44	27.4	19.04
20	19.66	20.41	30.7	21.00
22	21.63	22.38	33.9	22.97
24	23.60	24.35	37.2	24.94
26	25.55	26.29	40.5	26.90
28	27.51	28.26	43.6	28.87
30	29.48	30.23	47.0	30.83
32	31.45	32.20	50.2	32.80
34	33.42	34.17	53.6	34.76
36	35.39	36.14	56.8	36.72

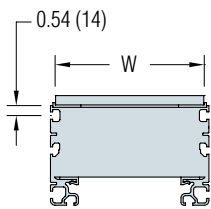
STANDARD SIZES

Conveyor Width Reference	08	02 increments up to ...	36
Conveyor Belt Width (W)	8" (203mm)	2" (51mm) increments up to ...	36" (914mm)
Module Length Reference	020	001 increments up to ...	999
Module Length (L ₁)	greater of 20" (508) or 1.5W	1" (25mm) increments up to ...	999" (25,375mm)
Module Length (L ₃)	greater of 36" (914) or 2W	1" (25mm) increments up to ...	999" (25,375mm)

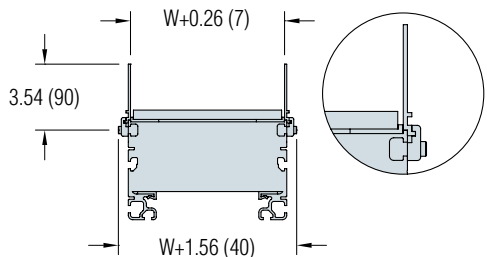
NOTE: Conveyor longer than 12' (3,658 mm) will be constructed using a multiple piece frame. Consult factory for locations of these frame joints. Support is recommended at each frame joint.

5200 & 5300 SERIES: PROFILES

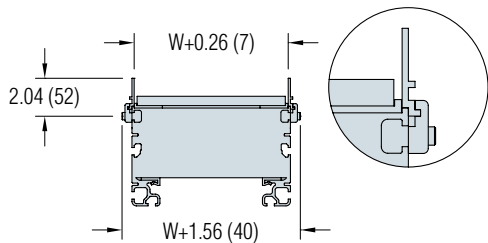
5200 & 5300 SERIES STRAIGHT PROFILES



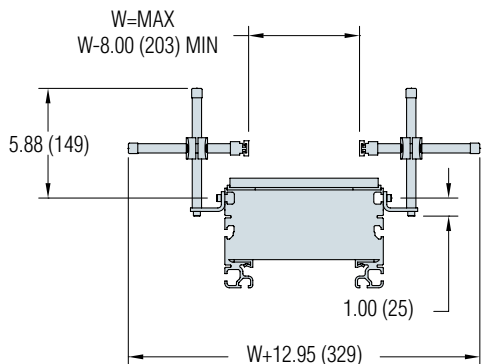
01



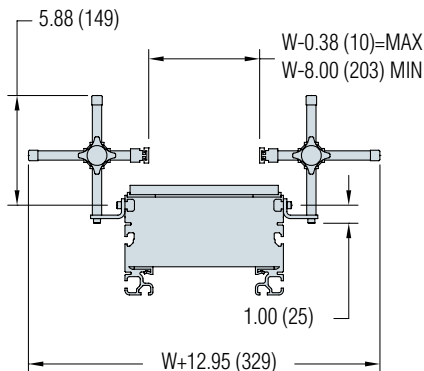
04



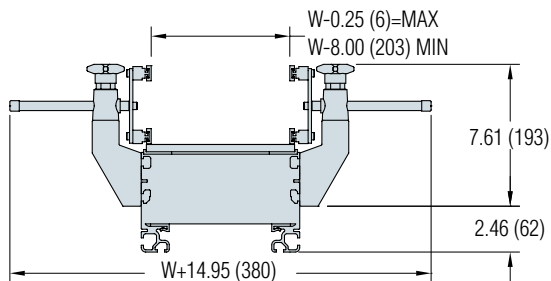
05



13



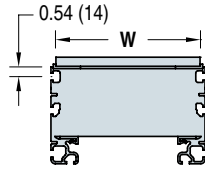
14



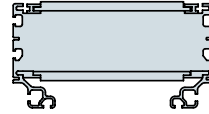
15
(5200 Series only)

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

5200 SERIES CURVE PROFILES

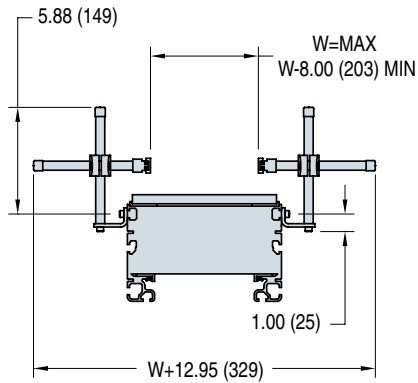


**NO GUIDE
IN STRAIGHT**

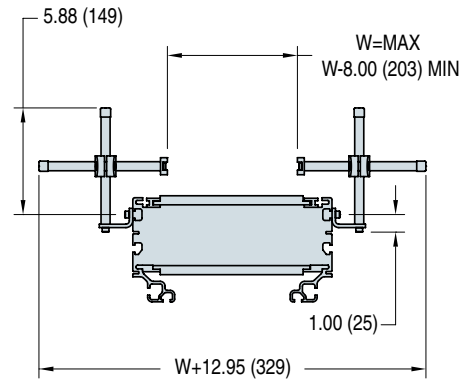


**NO PROFILE
CURVE**

01

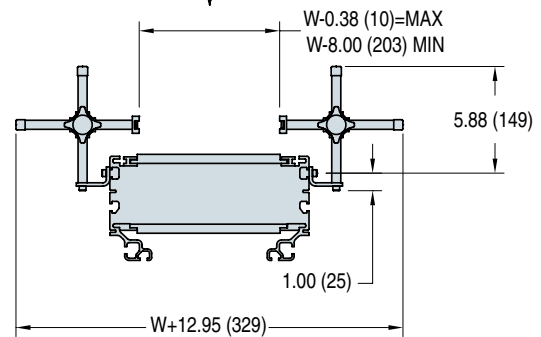
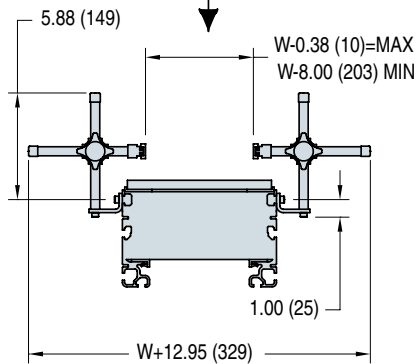


**ADJUSTABLE
GUIDING IN
STRAIGHT**



**ADJUSTABLE
GUIDING IN
CURVE**

13

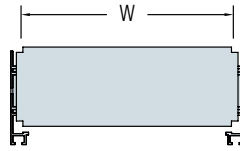


14

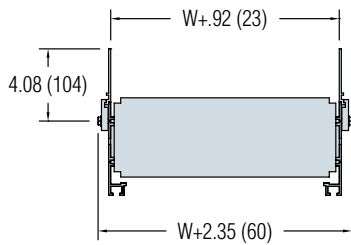
W = Conveyor Belt Width **Dim** = in (mm)

5200 & 5300 SERIES: PROFILES

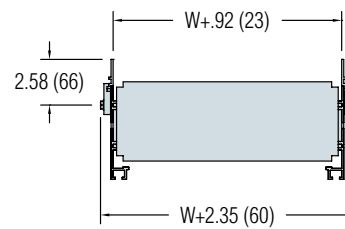
5300 SERIES CURVE PROFILE



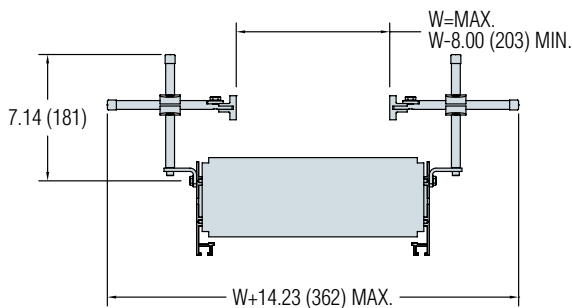
01



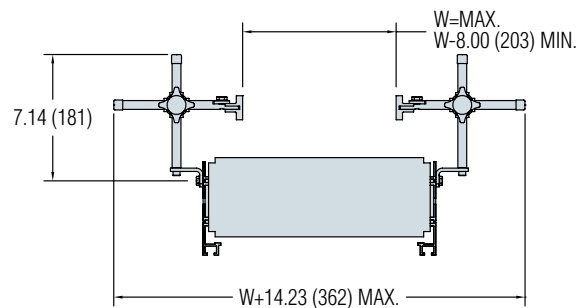
04



05



17



18

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

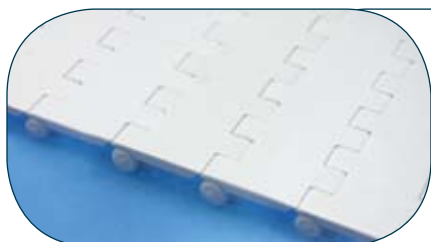
Dorner's Standard Modular Plastic Belting offers these valuable advantages:



Friction Inserts

are available for incline applications. Inserts may be placed along entire length of the belt or spaced on 2", 4", 6" or 12" centers.

Friction inserts are indented 2" (51 mm) from each belt edge.



Flat Top Belts

provide a very closed surface for complete product support, easy wiping.



Flush Grid Belts

provide an open surface for better drainage, cleaning or air flow/cooling.



Curve Belts

provide a tight radius, space saving corner. Side tabs ensure positive belt tracking with a flush top design. Reduces number of drives.



Cleated Belts

provide a sturdy cleat for elevation at steep inclines. Cleats available in 1" and 3" heights.

5200 & 5300 SERIES: MODULAR BELTING

Standard Plastic Chain Options																
Belt Type		Part Number Reference	Description	% Open	Pitch in (mm)	Belt Thickness in (mm)	Color	Belt Material	Rod Material	Minimum Product Temperature F(C)***	Maximum Product Temperature F(C)***	FDA / CFIA Approved*	Chemical Resistance	Wear Resistance	Maximum Incline / Decline (degrees)**	Nose Bar Idler Diameter in (mm)
Straight Flat Belts	Standard Drive & Idler Pulley	MN	Flat top	0	1 (25)	0.39 (10)	Blue	Acetal	Polypropylene	40 (5)	200 (93)	Y	Good	V-Good	5	N/A
		MP	Flat top	0	1 (25)	0.39 (10)	White	Polypropylene	Polypropylene	40 (5)	220 (105)	Y	V-Good	Good	5	N/A
		MC	Flush Grid	35	1 (25)	0.39 (10)	White	Acetal	Polypropylene	40 (5)	200 (93)	Y	Good	V-Good	5	N/A
		MD	Flush Grid	35	1 (25)	0.39 (10)	White	Polypropylene	Polypropylene	40 (5)	220 (105)	Y	V-Good	Good	5	N/A
	Nose Bar Drive or Nose Bar Idler	MG	Flat top	0	0.5 (13)	0.39 (10)	White	Acetal	Nylon	-40 (-40)	200 (93)	Y	Good	V-Good	5	1 (25)
		MH	Flat top	0	0.5 (13)	0.39 (10)	White	Polypropylene	Nylon	40 (5)	220 (105)	Y	V-Good	Good	5	1 (25)
		MJ	Flush Grid	25	0.5 (13)	0.39 (10)	White	Acetal	Nylon	-40 (-40)	200 (93)	Y	Good	V-Good	5	1 (25)
		MK	Flush Grid	25	0.5 (13)	0.39 (10)	White	Polypropylene	Nylon	40 (5)	220 (105)	Y	V-Good	Good	5	1 (25)
Cleated Straight Belts	Standard Drive & Idler Pulley	NJ	Flat top w/ 1" Cleats	0	1 (25)	0.39 (10)	Blue	Acetal	Polypropylene	40 (5)	200 (93)	Y	Good	V-Good	60°	N/A
		NK	Flat top w/ 1" Cleats	0	1 (25)	0.39 (10)	White	Polypropylene	Polypropylene	40 (5)	220 (105)	Y	V-Good	Good	60°	N/A
		NL	Flat top w/ 3" Cleats	0	1 (25)	0.39 (10)	Blue	Acetal	Polypropylene	40 (5)	200 (93)	Y	Good	V-Good	60°	N/A
		NM	Flat top w/ 3" Cleats	0	1 (25)	0.39 (10)	White	Polypropylene	Polypropylene	40 (5)	220 (105)	Y	V-Good	Good	60°	N/A
		NE	Flush Grid w/ 1" cleats	35	1 (25)	0.39 (10)	White	Acetal	Polypropylene	40 (5)	200 (93)	Y	Good	V-Good	60°	N/A
		NF	Flush Grid w/ 1" cleats	35	1 (25)	0.39 (10)	White	Polypropylene	Polypropylene	40 (5)	220 (105)	Y	V-Good	Good	60°	N/A
		NG	Flush Grid w/ 3" cleats	35	1 (25)	0.39 (10)	White	Acetal	Polypropylene	40 (5)	200 (93)	Y	Good	V-Good	60°	N/A
		NH	Flush Grid w/ 3" cleats	35	1 (25)	0.39 (10)	White	Polypropylene	Polypropylene	40 (5)	220 (105)	Y	V-Good	Good	60°	N/A
Friction Top Straight Belts	Standard & Nose Bar Idler Pulley	SEE TABLE BELOW	Flat top w/ friction inserts	0	1 (25)	0.55 (14)	White	Polypropylene	Polypropylene	40 (5)	140 (60)	Y	V-Good	Poor	20	N/A
		SEE TABLE BELOW	Flush Grid w/ friction inserts	35	1 (25)	0.55 (14)	White	Polypropylene	Polypropylene	40 (5)	140 (60)	Y	V-Good	Poor	20	N/A
Curved Flat Belts	Standard & Nose Bar Idler Pulley	MT	Tight Radius	35	1 (25)	0.5 (13)	White	Acetal	Nylon	-40 (-40)	200 (93)	Y	Good	V-Good	N/A	1.6 (41)

* FDA = Food and Drug Administration, CFIA = Canadian Food Inspection Agency

** Temperature, environmental conditions, product materials and product configuration effect the maximum incline or decline. Product testing is recommended.

*** These do not indicate ambient running conditions. Ambient temperature range is 30 to 100 F (-1 to 38 C).

Product temperature is dependent on length of time product is in direct contact with belt surface. Product testing is recommended.

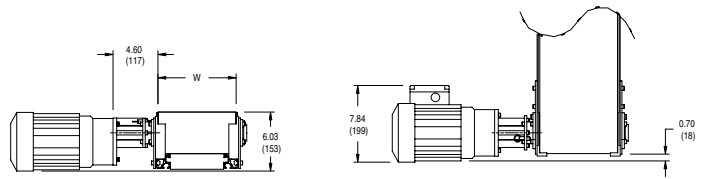
FRICITION TOP STRAIGHT PLASTIC CHAIN: Part number reference chart

Flat Top w/ Friction Inserts Part Number Reference	TA	TB	TC	TD	TE
Flush Grid w/ Friction Inserts Part Number Reference	N/A	TF	TG	TH	TJ
Friction Insert Spacing [links]	1	2	4	6	12
Friction Insert Spacing	1" (25mm)	2" (51mm)	4" (102mm)	6" (152mm)	12" (305mm)

Note: Friction Top not available on nose bar drives

5200 & 5300 SERIES: GEARMOTOR MOUNTING PACKAGES

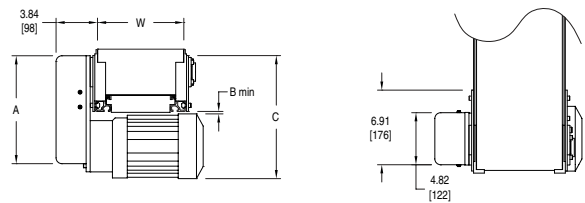
Side Mount Package, Parallel Shaft Gearmotor



- Includes gearmotor mounting bracket, 3 jaw flexible coupling, coupling guard and mounting hardware

W = Conveyor Belt Width

Bottom Mount Package, Parallel Shaft Gearmotor



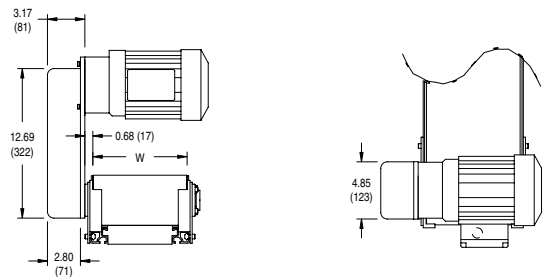
A:	Flat Belt	= 10.00 (254)	B:	Flat Belt	= 0.23 (6)
	Cleated Belt	= 12.69 (322)		Cleated Belt	= 3.40 (18)

C:	Flat Belt	= 11.40 (290)
	Cleated Belt	= 14.31 (363)

- Includes gearmotor mounting bracket, timing belt, pulleys, guard and mounting hardware
- Conveyor belt speed can be adjusted with optional ratio pulley kits

W = Conveyor Belt Width

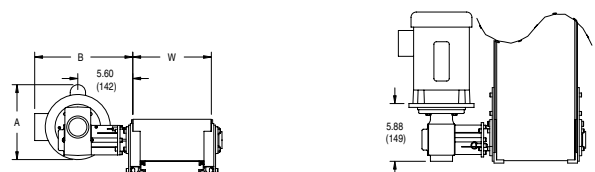
Top Mount Package, Parallel Shaft Gearmotor



- Includes gearmotor mounting bracket, timing belt, pulleys, guard and mounting hardware
- Conveyor belt speed can be adjusted with optional ratio pulley kits

W = Conveyor Belt Width

Side Mount Package, 90° Gearmotor



A:	Light Load	= 6.7 (191)
	Standard Load	= 7.6 (194)

B:	Light Load	= 8.0 (203)
	Standard Load	= 9.8 (240)

- Includes gearmotor mounting bracket, 3-jaw flexible coupling, coupling guard and mounting hardware

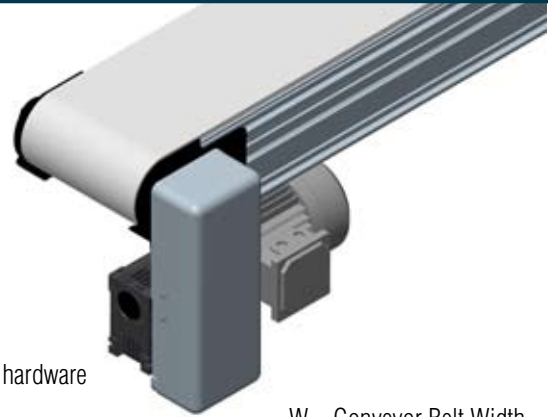
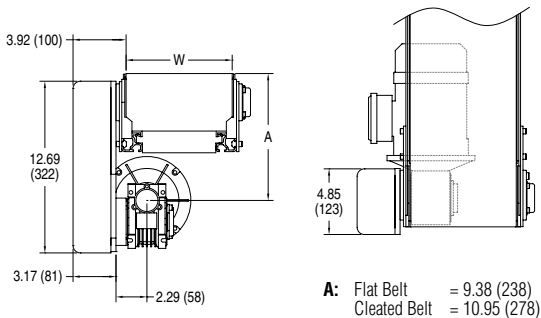
W = Conveyor Belt Width

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

For ordering information, see page 187

5200 & 5300 SERIES: GEARMOTOR MOUNTING PACKAGES

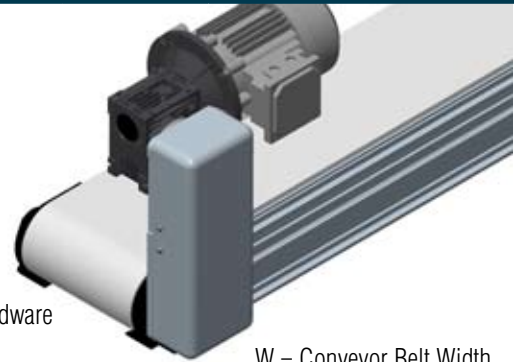
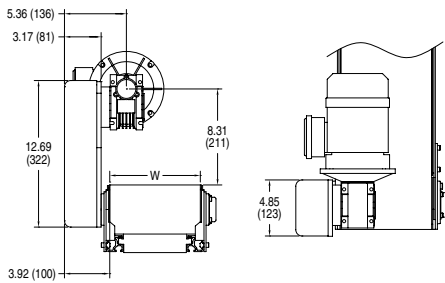
Bottom Mount Package, 90° Gearmotor



W = Conveyor Belt Width

- Includes gearmotor mounting bracket, timing belt, pulleys, guard and mounting hardware
- Conveyor belt speed can be adjusted with optional ratio pulley kits

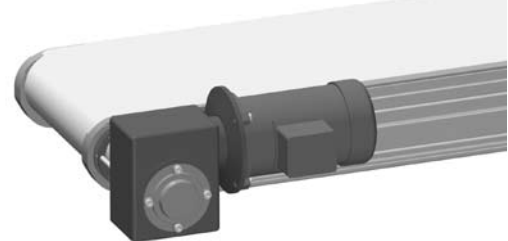
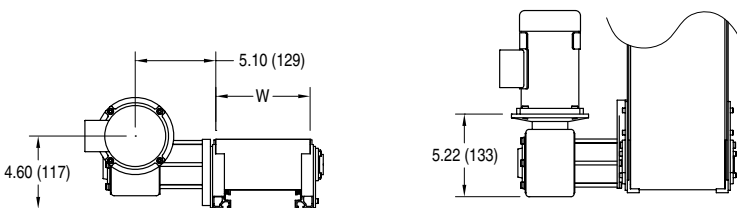
Top Mount Package, 90° Gearmotor



W = Conveyor Belt Width

- Includes gearmotor mounting bracket, timing belt, pulleys, guard and mounting hardware
- Conveyor belt speed can be adjusted with optional ratio pulley kits

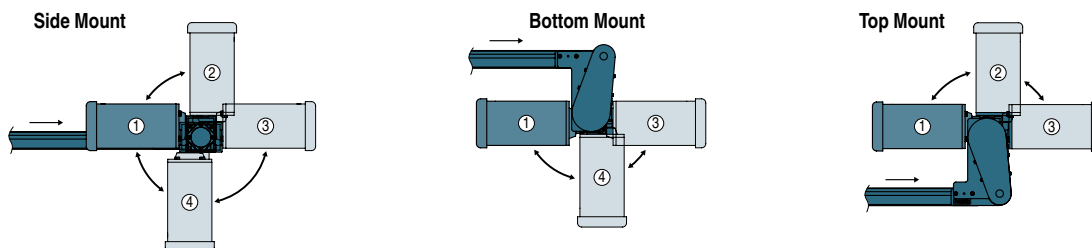
Heavy Load Side Mount



W = Conveyor Belt Width

- Includes gearmotor mounting bracket, 3-jaw flexible coupling, coupling guard and mounting hardware

90° Gearmotor Location Options



Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user. Dimensions = in (mm)

For ordering information, see page 187

5200 & 5300 SERIES: BELT SPEED CHARTS

Fixed Speed								
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart	
Ft/min	m/min		Top & Bottom	Side	Drive Pulley	Driven Pulley	Light Load	Standard Load
10	3.0	10	x	x	14	14		7
15	4.6	10	x		24	16		7
29	8.8	29	x	x	14	14	1	6, 7
43	13.1	43	x	x	14	14	1	6
58	17.7	58	x	x	14	14		7
65	19.8	43	x		24	16	1	6
86	26.2	86	x	x	14	14	1	6, 7
97	29.6	86	x		18	16	1	6, 7
129	39.3	86	x		24	16	1	6, 7
147	44.8	86	x		24	14	1	6, 7
173	52.7	173	x	x	14	14	1	6, 7
195	59.4	173	x		18	16		6, 7
216	65.8	173	x		20	16		6, 7
247	75.0	173	x		20	14		6, 7
Gearmotor RPM at 50 Hz.								
23	7.0	23*	x	x	16	16	2	8
35	10.7	35*	x	x	16	16	2	8
53	16.2	35*	x		24	16	2	8
70	21.3	70*	x	x	16	16	2	8
105	32.0	70*	x		24	16	2	8
140	42.7	140*	x	x	16	16	2	8
175	53.3	140*	x		20	16	2	8
210	64.0	140*	x		24	16	2	8

Red = Parallel Shaft, Blue = 90°

Variable Speed								
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart	
Ft/min	m/min		Top & Bottom	Side	Drive Pulley	Driven Pulley	Light Load	Standard Load
1.7 - 14	0.5 - 4.3	14	x	x	14	14		12
2.6 - 21	0.8 - 6.5	14	x		24	16		12
2.9 - 2.9	0.9 - 8.9	29	x	x	14	14	4	10, 13
4.3 - 4.3	1.31 - 13	43	x	x	14	14	4	10
5.1 - 42	1.6 - 13	42	x	x	14	14	3	9, 12
6.6 - 66	2 - 20	43	x		24	16	4	10
7.7 - 63	2.3 - 19	63	x	x	14	14	3	9
8.6 - 86	2.62 - 26	86	x	x	14	14	4	10, 13
10 - 83	3.1 - 25	83	x	x	14	14		12
11 - 96	3.5 - 29	63	x		24	16	3	9
13 - 129	4 - 39	86	x		24	16	4	10, 13
16 - 125	4.7 - 38	125	x	x	14	14	3	9, 12
18 - 173	5.4 - 53	173	x	x	14	14	4	10, 13
23 - 188	7 - 57	125	x		24	16	3	9, 12
25 - 247	8 - 75	173	x		20	14	4	10, 13
RPM from 50 Hz. gearmotors. VFD drive at 63 max. Hz. output.								
12 - 30	3.6 - 9.1	23*	x	x	16	16	5	11
18 - 44	5.4 - 13	35*	x	x	16	16	5	11
27 - 67	8.2 - 20	35*	x		24	16	5	11
36 - 88	11 - 26	70*	x	x	16	16	5	11
54 - 135	16 - 41	70*	x		24	16	5	11
71 - 176	22 - 53	140*	x	x	16	16	5	11
89 - 221	27 - 67	140*	x		20	16	5	11
97 - 243	30 - 74	140*	x		22	16	5	11

5200 & 5300 SERIES: GEARMOTORS

GEARMOTOR MOUNTING PACKAGE & GEARMOTOR SELECTION STEPS

- Step 1:** Select a **Gearmotor Mounting Package**. For End drive conveyors, select a side, bottom or top drive mount (pages 161-162). If a Nose Bar Drive conveyor is being outfitted, a side mount must be used. Be sure to note if it is for a **90°** or **Parallel Shaft Gearmotor**.
- Step 2:** Using **Belt Speed and Load** Requirements, determine the required **Gearmotor Type** (Light, Heavy or Standard) for your application.
- Step 3:** Find the appropriate set of Belt Speed Charts (page 163) for the Mounting Package you selected and choose between the **Fixed** or **Variable Speed** chart.
- Step 4:** Go down the first column of the Belt Speed Chart and locate the required **Belt Speed** for your application. If the desired belt speed is not listed, round up to the next higher speed.
- Step 5:** From the row containing your required **Belt Speed**, check to be sure that speed is available for the **Mount Package** you chose. (End Drive Only - Top, Bottom or Side)
- Step 6:** Use the Drive / Driven Pulley Kit combination to complete your Mounting Package Part Number
- Step 7:** Note the **RPM from Gearmotor**, it will be needed to select the correct Gearmotor from the Gearmotor Chart.
- Step 8:** Reference the **Gearmotor Chart #** to locate a compatible Gearmotor Chart on pages 165-171. Be sure to select a Gearmotor Chart to match your **Gearmotor Type** (Light, Standard or Heavy) and your **Mounting Package** while meeting your electrical requirements.
(Red = Parallel Shaft or Blue = 90°)
- Step 9:** Using the **RPM from Gearmotor** (Step 6), locate the **Part Number** for your Gearmotor from the Gearmotor Table.

	GEARMOTOR TYPE	Conveyor Load - Lbs (Kg)												
		Light Load	Standard Load	Heavy Load	10 (4.5)	25 (11.4)	50 (22.7)	75 (34.1)	100 (45.5)	150 (68.2)	200 (90.9)	400 (181.9)	550 (250)	700 (318.2)
Belt Speed - Ft/min (m/min)	0-15 (0-4.6)													
16-30 (4.9-9.1)														
31-45 (9.5-13.7)														
46-60 (14-18.3)														
61-75 (18.6-22.9)														
76-90 (23.2-27.4)														
91-110 (27.7-33.5)														
111-130 (33.8-39.6)														
131-150 (39.9-45.7)														
151-175 (46-53.4)														
176-200 (53.7-61)														
201-225 (61.3-68.6)														
226-250 (68.9-76.2)														
251-275 (76.5-83.8)														
276-300 (84.1-91.4)														
301-350 (91.7-106.7)														
351-400 (107-121.9)														
401-450 (122.2-137.1)														

LIGHT LOAD, FIXED SPEED

Chart 1 90° (For use on side mount packages only)

- Sealed gearmotor
- NEMA 42 CZ C Face
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 208-230/460 Volts, 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 174

eDrive™

Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm	3 Phase Starter Chart
			Hp	kW	FLA	Hp	kW	FLA			
32M060EL4(vp)FN	29	L	0.25	0.19	5	0.25	0.19	1.2 / 0.6	226	25.5	L
32M040EL4(vp)FN	43	L	0.25	0.19	5	0.25	0.19	1.2 / 0.6	237	26.8	L
32M020EL4(vp)FN	86	L	0.25	0.19	5	0.25	0.19	1.2 / 0.6	142	16.0	L
32M010EL4(vp)FN	173	L	0.25	0.19	5	0.25	0.19	1.2 / 0.6	78	18.8	L

(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 208 - 230 / 460V, 3 phase

Chart 2 CE 90° (For use on side mount packages only)

- Sealed gearmotor
- Totally enclosed, fan cooled
- IEC 63 B5 C Face
- IP 55 protection rating
- 50 Hz
- Order starter separately, see page 174

eDrive™

Part Number	RPM	Gearmotor Type	1Ph kW	1 Ph FLA	3Ph kW	3 Ph FLA	Nm	Starter Chart
62Z060ES4(vp)FN	23	L	0.18	1.6	0.18	1.4 / 0.8	26.4	I
62Z040ES4(vp)FN	35	L	0.18	1.6	0.18	1.4 / 0.8	28.9	I
62Z020ES4(vp)FN	70	L	0.18	1.6	0.18	1.4 / 0.8	19.4	I
62Z010ES4(vp)FN	140	L	0.18	1.6	0.18	1.4 / 0.8	10.7	I

(vp) = Voltage and Phase
 21 = 230V, 1 phase
 23 = 230V, 3 phase
 43 = 400V, 3 phase

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

FLA = Full Load Amperes

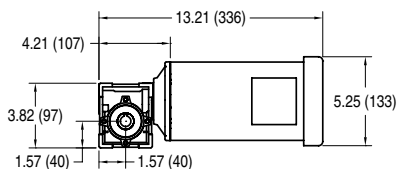
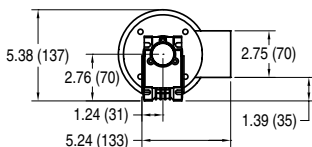
Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

5200 & 5300 SERIES: GEARMOTORS

LIGHT LOAD, VARIABLE SPEED

Chart 3 90° (For use on side mount packages only)

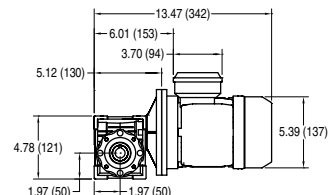
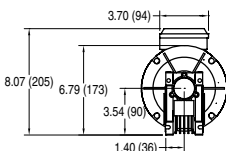
- 130 Volts DC
- NEMA 42 CZ C Face
- Totally enclosed, fan cooled
- 300 - 2500 RPM motor
- Order controller separately, see page 172



Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari-Speed Control Chart
22M060ESD3DEN	42	L	0.33	0.25	2.3	198	22.4	A
22M040ESD3DEN	63	L	0.33	0.25	2.3	163	18.4	A
22M020ESD3DEN	125	L	0.33	0.25	2.3	98	11.1	A
22M010ESD3DEN	250	L	0.33	0.25	2.3	54	6.1	A

Chart 4 90° (For use on side mount packages only)

- Variable frequency drive, 6 - 60 Hz
- Sealed gearmotor
- NEMA 56C C Face
- Totally enclosed, fan cooled
- 230/460 Volts, 3 phase
- Order controller separately, see page 173

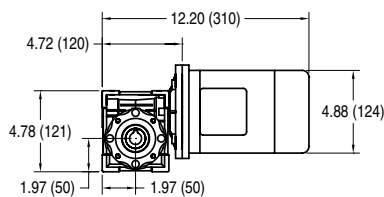
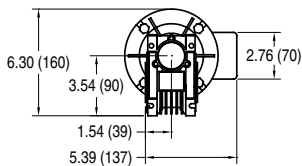


Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.*	Nm	Vari-Speed Control Chart
32M060EL423EN	29	K	0.5**	0.19	1.6 / 0.97	226	25.5	D and E
32M040EL423EN	43	K	0.5**	0.19	1.6 / 0.97	237	86.8	D and E
32M020EL423EN	86	K	0.5**	0.19	1.6 / 0.97	142	16.0	D and E
32M010EL423EN	173	K	0.5**	0.19	1.6 / 0.97	78	8.8	D and E

* = At 60 Hz ** = Motor de-rated to 0.25 Hp for full torque throughout speed range.

Chart 5 CE 90° (For use on side mount packages only)

- Variable frequency drive, 25 - 63 Hz
- Sealed gearmotor
- IEC 63 B5 C face
- IP 55 protection rating
- Totally enclosed, fan cooled
- 230/400 Volts, 3 phase
- Order controller separately, see page 172



Part Number	RPM	Gearmotor Type	3 Ph kW	3 Ph FLA	Nm*	Vari-Speed Control Chart
62Z060ES423EN	23	L	0.18	1.4	26.4	B
62Z040ES423EN	35	L	0.18	1.4	28.9	B
62Z020ES423EN	70	L	0.18	1.4	19.4	B
62Z010ES423EN	140	L	0.18	1.4	10.7	B

* = At 50 Hz

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

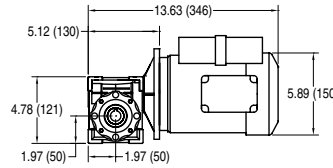
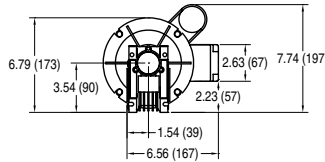
5200 & 5300 SERIES: GEARMOTORS

STANDARD LOAD, FIXED SPEED

Chart 6

90°

- Sealed gearmotors
- NEMA 56 C face
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 208-230/460 Volts 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 174



eDrive™

(vp) = Voltage and Phase
 11 = 115V, 1 phase
 23 = 208 - 230 / 460V, 3 phase

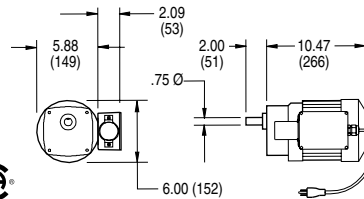


Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm	Vari-Speed Control Chart
			Hp	kW	FLA	Hp	kW	FLA			
32M060ES4(vp)FN	29	S	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	226	25.5	M
32M040ES4(vp)FN	43	S	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	247	27.9	M
32M020ES4(vp)FN	86	S	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	248	27.9	M
32M010ES4(vp)FN	173	S	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	156	17.6	M

Chart 7

Parallel Shaft

- Sealed gearmotor
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 230V 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 174



(vp) = Voltage and Phase
 11 = 115V, 1 phase
 23 = 208 - 230 / 460V, 3 phase
 (x) = 3 for 1 phase,
 6 for 3 phase



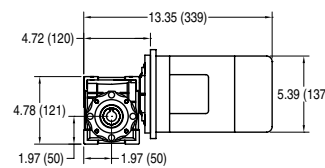
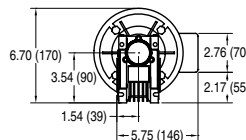
Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm	Vari-Speed Control Chart
			Hp	kW	FLA	Hp	kW	FLA			
62M180PS4(vp)FN	10	S	0.08	0.06	1.2	.17	0.13	1.0	341	38.5	L
62M060PS4(vp)FN	29	S	0.17	0.13	1.9	.17	0.13	1.0	270	30.5	L
(x)2M030PS4(vp)FN	58	S	0.33	0.25	4	.38	0.28	1.9	250	28.3	M
(x)2M020PS4(vp)FN	86	S	0.33	0.25	4	.38	0.28	1.9	167	18.9	M
(x)2M010PS4(vp)FN	173	S	0.33	0.25	4	.38	0.28	1.9	108	12.2	M
(x)2M005PS4(vp)FN	345	S	0.33	0.25	4	.38	0.28	1.9	56	6.3	M

Chart 8

CE 90°

- Sealed gearmotor
- IEC 71 B5 C face for 0.37 kW Motor
- IEC 63 B5 C face for 0.18 kW Motor
- IP55 protection rating
- Order starter separately, see page 174
- Totally enclosed, fan cooled

- Non-reversible
- 50 Hz



eDrive™

(vp) = Voltage and Phase
 21 = 230V, 1 phase
 23 = 230V / 460V, 3 phase
 43 = 400V, 3 phase

Part Number	RPM	Gearmotor Type	1Ph kW	1 Ph FLA	3 Ph kW	3 Ph FLA	Nm	Starter Chart
62Z060ES4(vp)FN	23	L	0.18	1.6	0.18	1.4 / 0.8	26.8	I
62Z040ES4(vp)FN	35	L	0.18	1.6	0.18	1.4 / 0.8	29.4	I
32Z020ES4(vp)FN	70	S	0.37	2.6	0.37	2.1 / 1.2	29.9	J
32Z010ES4(vp)FN	140	S	0.37	2.6	0.37	2.1 / 1.2	21.5	J
32Z005ES4(vp)FN	280	S	0.37	2.6	0.37	2.1 / 1.2	11.2	J

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

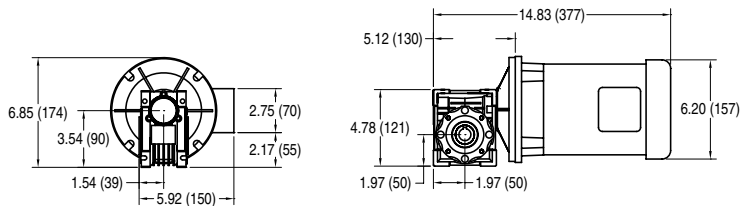
5200 & 5300 SERIES: GEARMOTORS

STANDARD LOAD, VARIABLE SPEED

Chart 9

90°

- 90V DC
- Sealed gearmotor
- NEMA 56 C Face
- Totally enclosed, fan cooled
- Order controller separately, see page 172

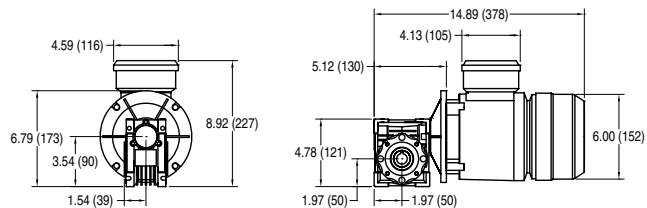


Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari-Speed Control Chart
32M060ESD9DEN	42	S	0.5	0.37	5.0	198	22.4	C
32M040ESD9DEN	63	S	0.5	0.37	5.0	215	24.3	C
32M020ESD9DEN	125	S	0.5	0.37	5.0	196	22.1	C
62M005EHD9DEN	250	S	0.75	0.5	7.5	108	12.2	C

Chart 10

90°

- Variable frequency drive, 6 - 60 Hz
- Sealed gearmotor
- NEMA 56 C Face
- Totally enclosed, fan cooled
- 230/460 Volts, 3 Phase
- Order controller separately, see page 173



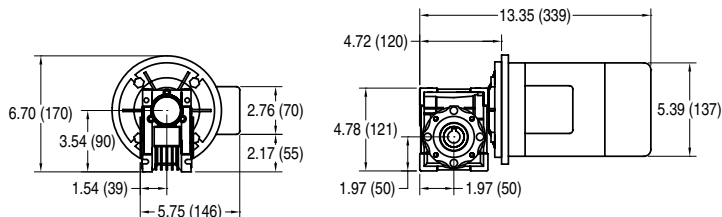
Part Number	RPM*	Gearmotor Type	3 Ph Hp	3 Ph kW	3 Ph FLA	in.-lbs.*	Nm*	Vari-Speed Control Chart
32M060ES423EN	29	S	0.75**	0.55	2.6 / 1.3	226	25.5	D and E
32M040ES423EN	43	S	0.75**	0.55	2.6 / 1.3	247	27.9	D and E
32M020ES423EN	86	S	0.75**	0.55	2.6 / 1.3	248	27.9	D and E
32M010ES423EN	173	S	0.75**	0.55	2.6 / 1.3	156	17.6	D and E

* = At 60 Hz ** = Motor is de-rated to 0.5 Hp (2.2 / 1.1 amp) for full torque throughout the speed range.

Chart 11

CE 90°

- Variable frequency drive, 25 - 63 Hz
- Sealed gearmotor
- IEC 63 B5 C Face for 0.18 kW Motor
- IEC 71 B5 C Face for 0.37 kW Motor
- IP 55 protection rating
- Totally enclosed, fan cooled
- 230/400 Volts, 3 Phase
- Order controller separately, see page 172



Part Number	RPM	Gearmotor Type	3 Ph kW	3 Ph FLA	Nm*	Vari-Speed Control Chart
62Z060ES423EN	23	L	0.18	1.4 / 0.8	26.8	B
62Z040ES423EN	35	L	0.18	1.4 / 0.8	29.4	B
32Z020ES423EN	70	S	0.37	2.1 / 1.2	29.9	B
32Z010ES423EN	140	S	0.37	2.1 / 1.2	21.5	B
32Z005ES423EN	280	S	0.37	2.1 / 1.2	11.2	B

* = At 50 Hz

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

FLA = Full Load Amperes

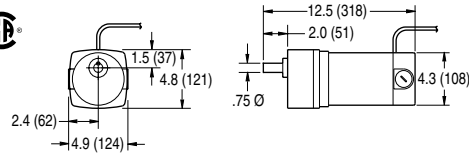
Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

STANDARD LOAD, VARIABLE SPEED

Chart 12

Parallel Shaft

- 130 Volts DC
- Sealed gearmotor
- Totally enclosed, non-ventilated
- 300 - 2500 RPM motor
- Order controller separately, see page 172

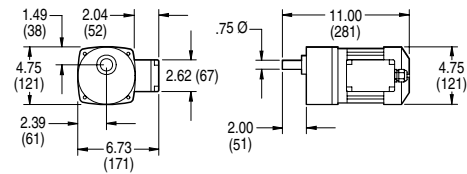


Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari-Speed Control Chart
62M180PSD3DEN	14	S	0.12	0.09	1.0	341	38.5	A
62M060PSD3DEN	42	S	0.25	0.19	1.8	270	30.5	A
62M030PSD3DEN	83	S	0.25	0.19	1.8	135	15.3	A
62M020PSD3DEN	125	S	0.25	0.19	1.8	90	10.2	A
62M010PSD3DEN	250	S	0.33	0.25	2.3	72	8.1	A

Chart 13

Parallel Shaft

- Variable frequency drive, 10 to 60 Hz
- Sealed gearmotor
- Totally enclosed, fan cooled
- 230 Volts / 3 Phase, VFD duty
- Order controller separately, see page 173



Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari-Speed Control Chart
62M180PS423EN	10	S	0.17	0.13	1.0	341	38.5	D and E
62M060PS423EN	29	S	0.17	0.13	1.0	270	30.5	D and E
62M030PS423EN	58	S	0.38	0.28	1.9	250	28.3	D and E
62M020PS423EN	86	S	0.38	0.28	1.9	167	18.9	D and E
62M010PS423EN	173	S	0.38	0.28	1.9	115	13.0	D and E

FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

5200 & 5300 SERIES: GEARMOTORS

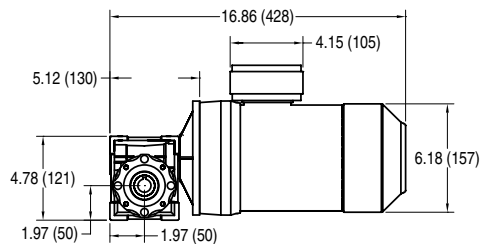
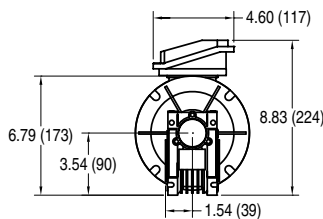
HEAVY LOAD, FIXED SPEED

Chart 15

90°

- NEMA 56 C face for .5 & 1 Hp
- NEMA 145TC C face for 1.5 Hp
- NEMA 145TC C face for 2 Hp
- Totally enclosed, fan cooled
- 115V, 1 Phase includes switch, cord and overload protection
- 208 - 230/460 Volts, 3 Phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 174

eDrive™



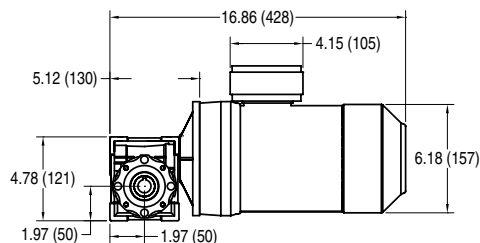
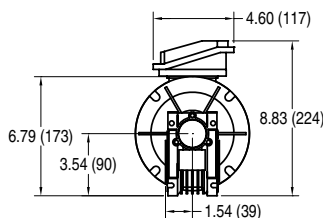
Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm	3 Phase Starter Chart
			Hp	kW	FLA	Hp	kW	FLA			
32M100EH4(vp)FN	17	H	0.5	0.37	8.0	0.5	0.37	2.0 / 1.0	913	103	M
32M080EH4(vp)FN	22	H	0.5	0.37	8.0	0.5	0.37	2.0 / 1.0	833	94	M
32M060EH4(vp)FN	29	H	0.5	0.37	8.0	0.5	0.37	2.0 / 1.0	679	76	M
32M050EH423FN	35	H	n/a	n/a	n/a	1.0	0.74	3.4 / 1.7	1205	136	P
32M040EH423FN	43	H	n/a	n/a	n/a	1.0	0.74	3.4 / 1.7	1023	115	P
32M030EH423FN	58	H	n/a	n/a	n/a	1.5	1.11	5.0 / 2.5	1216	137	Q
32M025EH423FN	70	H	n/a	n/a	n/a	1.5	1.11	5.0 / 2.5	1068	121	Q
32M020EH423FN	86	H	n/a	n/a	n/a	2.0	1.49	6.2 / 3.1	1183	134	Q
32M015EH423FN	115	H	n/a	n/a	n/a	2.0	1.49	6.2 / 3.1	909	103	Q
32M010EH423FN	173	H	n/a	n/a	n/a	2.0	1.49	6.2 / 3.1	636	72	Q
32M008EH423FN	230	H	n/a	n/a	n/a	2.0	1.49	6.2 / 3.1	482	54	Q

Chart 16

CE 90°

- Sealed gearmotor
- IP55 protection rating
- 50 Hz
- IEC B5 C face mount (see table for size)
- Totally enclosed, fan cooled
- Order starter separately, see page 174

eDrive™



Part Number	RPM	Gearmotor Type	Belt Speed		Motor Face	Hp	kW	FLA	in.-lbs	Nm	Starter Chart
			ft/min	m/min							
52Z100EH423FN	14	H	14	4.3	71	0.5	0.37	2.1 / 1.2	1142	129	J
52Z080EH423FN	18	H	18	5.3	71	0.5	0.37	2.1 / 1.2	1018	115	J
52Z050EH423FN	28	H	28	8.5	80	0.7	0.55	2.6 / 1.5	1097	124	R
52Z040EH423FN	35	H	35	10.7	80	0.7	0.55	2.6 / 1.5	929	105	R
52Z030EH423FN	47	H	47	14.2	90	1.5	1.10	4.7 / 2.7	1478	167	K
52Z020EH423FN	70	H	70	21.3	90	1.5	1.10	4.7 / 2.7	1080	122	K
52Z015EH423FN	93	H	93	28.4	90	2.0	1.50	6.1 / 3.5	1124	127	Q
52Z010EH423FN	140	H	140	42.7	90	2.0	1.50	6.1 / 3.5	788	89	Q
52Z008EH423FN	187	H	187	56.9	90	2.0	1.50	6.1 / 3.5	602	68	Q

23 = 230V, 3 phase 43 = 430V, 3 phase **FLA** = Full Load Amperes **Note:** LPZ Conveyors are not reversible

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

5200 & 5300 SERIES: GEARMOTORS

HEAVY LOAD, VARIABLE SPEED


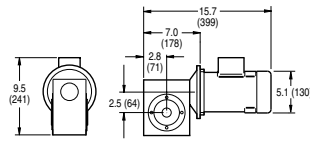


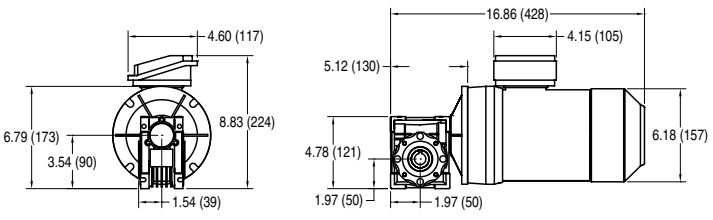

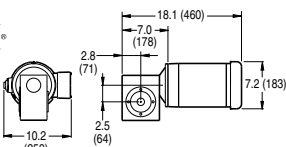
Chart 17		90°						
<ul style="list-style-type: none"> • 90 VDC • Sealed gearmotor • NEMA 56C C face 		<ul style="list-style-type: none"> • Totally enclosed, fan cooled • 2500 RPM motor • Order controller separately, see page 172 						
Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari-Speed Control Chart
32M100HHD9DEN	25	H	0.5	0.37	5.0	630	71	C
32M080HHD9DEN	31	H	0.5	0.37	5.0	574	65	C
32M060HHD9DEN	42	H	0.5	0.37	5.0	468	53	C
32M050HHD9DEN	50	H	0.75	0.50	7.5	624	70	C
32M040HHD9DEN	63	H	0.75	0.50	7.5	529	60	C

Chart 18		90°						
<ul style="list-style-type: none"> • Variable frequency drive, 15 - 60 Hz • NEMA 56 C face for .5 Hp + 1 Hp • NEMA 145TC C face for 1.5 + 2 Hp • Totally enclosed, fan cooled • 230/460 Volts, 3 phase • Order controller separately, see page 173 								
Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.*	Nm*	Vari-Speed Control Chart
32M100EH423EN	17	H	0.5	0.37	1.6 / 0.8	913	103	D or E
32M080EH423EN	22	H	0.5	0.37	1.6 / 0.8	833	94	D or E
32M060EH423EN	29	H	0.5	0.37	1.6 / 0.8	679	76	D or E
32M050EH423EN	35	H	1.0	0.74	3.2 / 1.6	1205	136	D
32M040EH423EN	43	H	1.0	0.74	3.2 / 1.6	1023	115	D
32M030EH423EN	58	H	1.5	1.11	4.2 / 2.1	1216	137	D
32M025EH423EN	70	H	1.5	1.11	4.2 / 2.1	1068	121	D
32M020EH423EN	86	H	2.0	1.49	5.0 / 2.5	1183	134	D
32M015EH423EN	115	H	2.0	1.49	5.0 / 2.5	909	103	D
32M010EH423EN	173	H	2.0	1.49	5.0 / 2.5	636	72	D
32M008EH423EN	230	H	2.0	1.49	5.0 / 2.5	482	54	D

* = At 60 Hz

Chart 19		CE 90°									
<ul style="list-style-type: none"> • Variable frequency drive, 25 to 63 Hz • Sealed gearmotor • IP55 protection rating • 230/400 Volts, 50 Hz nominal 		<ul style="list-style-type: none"> • IEC B5 C face mount (see table for size) • Totally enclosed, fan cooled • Order controller separately, see page 172 									
Part Number	RPM	Gearmotor Type	Belt Speed		Motor Face	Hp	kW	FLA	in.-lbs.	Nm	Controller Chart
			ft/min	m/min							
52Z100HH423EN	7 to 18	H	7 to 18	2 to 5	71	0.5	0.37	2.1 / 1.2	1142	129	B
52Z080HH423EN	9 to 22	H	9 to 22	3 to 7	71	0.5	0.37	2.1 / 1.2	1018	115	B
52Z050HH423EN	14 to 35	H	14 to 35	4 to 11	80	0.7	0.55	2.6 / 1.5	1097	124	B
52Z040HH423EN	18 to 44	H	18 to 44	5 to 13	80	0.7	0.55	2.6 / 1.5	929	105	B
52Z030HH423EN	23 to 59	H	23 to 59	7 to 18	90	1.5	1.10	4.7 / 2.7	1478	167	B
52Z020HH423EN	35 to 88	H	35 to 88	11 to 27	90	1.5	1.10	4.7 / 2.7	1080	122	B
52Z015HH423EN	47 to 118	H	47 to 118	14 to 36	90	2.0	1.50	6.1 / 3.5	1124	127	B
52Z010HH423EN	70 to 176	H	70 to 176	21 to 54	90	2.0	1.50	6.1 / 3.5	788	89	B
52Z008HH423EN	93 to 235	H	93 to 235	28 to 72	90	2.0	1.50	6.1 / 3.5	602	68	B

CE Note:
When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

23 = 230V, 3 phase 43 = 430V, 3 phase **FLA** = Full Load Amperes **Note:** LPZ Conveyors are not reversible

FLA = Full Load Amperes

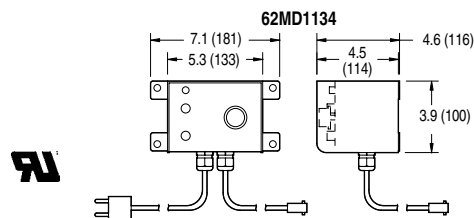
Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

5200 & 5300 SERIES: VARIABLE SPEED CONTROLLERS

VARIABLE SPEED CONTROLLERS

Chart A

- PWM DC control
- Nema 1 enclosure
- Line cord and motor cord
- On/Off switch for 62MD1134
- Speed potentiometer
- Mounting hardware

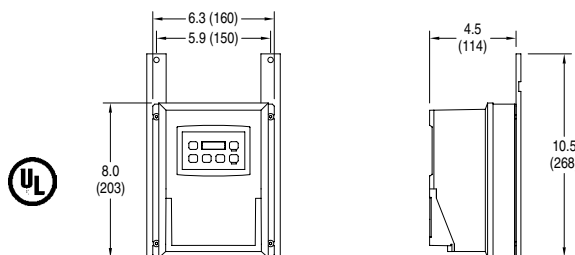


Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Max Amps*
62MD1134	115	1	60	130VDC	3.2

Chart B



- VFD control
- IP 65 enclosure
- EMC filter
- Variable speed
- Mounting hardware
- Line cord and motor cord

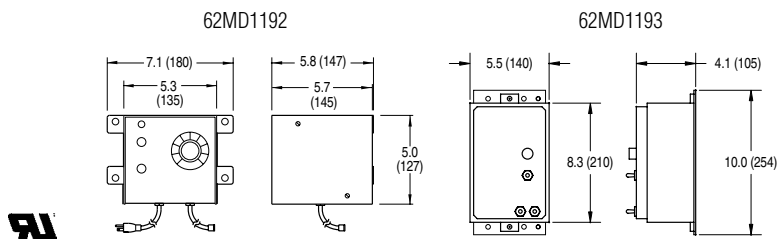


* = See FLA from motor charts

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Kw*	Max Amps
62UV2121	230	1	50	230	3	0.75	4.2
62UV4341	400	3	50	400	3	0.75	2.1
62UV2127	230	1	50	230	3	1.50	6.8
62UV4347	400	3	50	400	3	1.50	3.4

Chart C

- PWM DC control
- NEMA 1 enclosure
- Line cord and motor cord
- On/Off switch for 62MD1192 and 62MD1193
- Speed potentiometer
- Mounting hardware



* = See FLA from motor charts

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Max Amps*
62MD1192	115	1	60	90VDC	5.0
62MD1193	115	1	60	90VDC	7.5

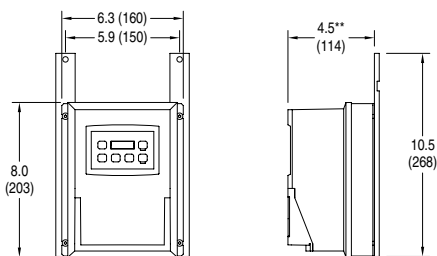
Note: Dimensions = in (mm)

5200 & 5300 SERIES: VARIABLE SPEED CONTROLLERS

VARIABLE SPEED CONTROLLERS

Chart D

- Full feature VFD control
- NEMA 4 enclosure
- Digital display
- Keypad with Start/Stop, Forward/Reverse and speed variations
- Includes cord to motor
- Power to controller by others
- 32MV1122 includes line cord to controller
- Mounting hardware

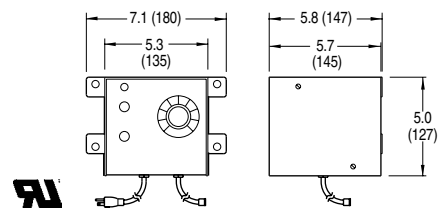


** For VFD 32MV2127 and 32MV2327 the width dimension is 6.4 (163).

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Hp	Output Amps*	A Width	B Depth
32MV1122	115	1	60	230	3	0.5	2.2	6.1 (155)	3.8 (96)
32MV2122	230	1	60	230	3	0.5	2.2	6.1 (155)	3.8 (96)
32MV1121	115	1	60	230	3	1.0	4.0	6.1 (155)	4.4 (112)
32MV2121	230	1	60	230	3	1.0	4.0	6.1 (155)	4.4 (112)
32MV2127	230	1	60	230	3	2.0	6.8	6.1 (155)	5.3 (134)
32MV2322	230	3	60	230	3	0.5	2.2	4.7 (119)	3.8 (96)
32MV2327	230	3	60	230	3	2.0	6.8	6.1 (155)	5.3 (134)
32MV4341	460	3	60	460	3	1.0	2.0	4.7 (119)	3.8 (96)
32MV4347	460	3	60	460	3	2.0	3.4	6.1 (155)	4.4 (112)

Chart E

- VFD control
- Nema 1 enclosure
- Line cord and motor cord
- On/Off switch
- Speed potentiometer
- Mounting hardware
- Forward/Reverse switch



* = See FLA from motor charts

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Hp	Max Amps*
62MV1122B	115	1	60	230	3	0.5	2.4

Note: Dimensions = in (mm)

5200 & 5300 SERIES: MANUAL MOTOR STARTERS

MANUAL MOTOR STARTERS

Manual motor starts are manual electronic disconnects that provide motor overload protection and are required by the National Electric Code (NEC) for safe motor operation.

- IP 55 Enclosure
- Push button Start / Stop
- Includes mounting hardware

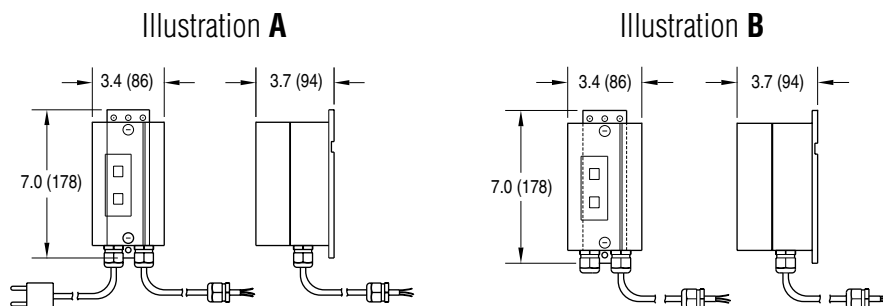


Chart I		CE		
<ul style="list-style-type: none"> • 230V, 1 phase includes cord, plug and starter • 230/400 Volts, 3 phase wiring to starter by others • Wiring between motor and starter provided when ordered together • 50 Hz 				
Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M21T	230	1	1.6 - 2.5	A
62(c)M23T	230	3	1.0 - 1.6	B
62(c)M43T	400	3	0.63 - 1.0	B

Chart J		CE		
<ul style="list-style-type: none"> • 230V, 1 phase includes cord, plug and starter • 230/400 Volts, 3 phase wiring to starter by others • Wiring between motor and starter provided when ordered together • 50 Hz 				
Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M21J	230	1	2.5 - 4.0	A
62(c)M23J	230	3	1.6 - 2.5	B
62(c)M43J	400	3	1.0 - 1.6	B

Chart K		CE		
<ul style="list-style-type: none"> • 230/400 Volts, 3 phase wiring to starter by others • Wiring between motor and starter provided when ordered together • 50 Hz 				
Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M23K	230	3	4.0 - 6.3	B
62(c)M43K	400	3	2.5 - 4.0	B

Chart L				
<ul style="list-style-type: none"> • 230/460 Volts, 3 phase wiring to starter by others • Wiring between motor and starter provided when ordered together • 60 Hz 				
Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23L	230	3	1.0 - 1.6	B
62MM43L	460	3	0.4 - .63	B

Chart M				
<ul style="list-style-type: none"> • 230/460 Volts, 3 phase wiring to starter by others • Wiring between motor and starter provided when ordered together • 60 Hz 				
Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23M	208 - 230	3	1.6 - 2.5	B
62MM43M	460	3	1.0 - 1.6	B

Chart P				
<ul style="list-style-type: none"> • 230/460 Volts, 3 phase wiring to starter by others • Wiring between motor and starter provided when ordered together • 60 Hz 				
Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23U	208 - 230	3	2.5 - 4.0	B
62MM43P	460	3	1.6 - 2.5	B

Chart Q				
<ul style="list-style-type: none"> • 230/460 Volts, 3 phase wiring to starter by others • Wiring between motor and starter provided when ordered together • 60 Hz 				
Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23Q	208 - 230	3	4.0 - 6.3	B
62MM43Q	460	3	2.5 - 4.0	B

Chart R		CE		
<ul style="list-style-type: none"> • 230/400 Volts, 3 phase wiring to starter by others • Wiring between motor and starter provided when ordered together • 50 Hz 				
Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M23R	230	3	2.5 - 4.0	B
62(c)M43R	400	3	1.0 - 1.6	B

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with NEC and CE safety directive.

(c) = Electrical Configuration G = CE German
F = CE French U = CE Great Britain

5200 & 5300 SERIES: SUPPORT STANDS

FIXED HEIGHT SUPPORT STANDS

Fixed Foot Model

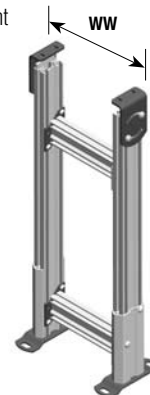
Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	60" (1,524mm)
Part # Reference	12	in 02 increments up to...	60
Stand Height (HH)*	21-25" (533 - 635mm)	in 1" (25mm) increments up to...	95-99" (2,413 - 2,515mm)
Part # Reference	2125	in 0101 increments up to...	9599

Swivel Locking Caster Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	26-30" (660 - 762mm)	in 1" (25mm) increments up to...	74-78" (2,413 - 2,515mm)
Part # Reference	2630	in 0101 increments up to...	7478

- Metric fasteners
- 4" (102 mm) Height Adjustment

* Dependent on stand width, stands over 42" (1,067 mm) may include outriggers (image on page 178)



ADJUSTABLE HEIGHT SUPPORT STANDS

Fixed Foot Model

Stand Width (WW)	12" (305mm)		2" (51mm) increments up to...				60" (1,524mm)				
Part # Reference	12		in 02 increments up to...				60				
Stand Height (HH)	18-19" (457-483)	19-21" (483-533)	20-23" (508-584)	22-27" (559-686)	25-32" (635-813)	30-42" (762-1067)	36-54** (914-1,372)	48-66** (1,219-1,676)	60-78** (1,524-1,981)	72-90** (1,829-2,286)	81-99** (2,057-2,515)
Part # Reference	1819	1921	2023	2227	2532	3042	3654	4866	6078	7290	8199

Swivel Locking Caster Model

Stand Width (WW)	12" (305mm)		2" (51mm) increments up to...				60" (1,524mm)				
Part # Reference	12		in 02 increments up to...				60				
Stand Height (HH)	23-24" (584-610)	24-26" (610-660)	25-28" (635-711)	27-32" (686-813)	30-37" (762-940)	35-47" (889-1,194)	41-59" (1,041-1,499)	53-71** (1,346-1,803)	65-83** (1,651-2,108)		
Part # Reference	2324	2426	2528	2732	3037	3547	4159	5371	6583		

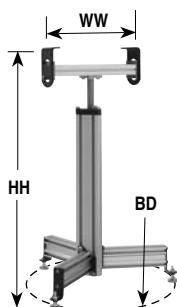
- Metric fasteners

* Dependent on stand width, stands over 42" (1,067 mm) may include outriggers (image on page 178)

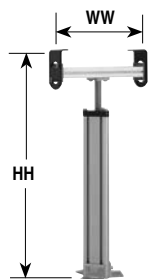


Full width is top plate on 12" wide stands only

SINGLE POST & PILLAR SUPPORT STANDS



Single Post Support Stand



Pillar Stand
(must be secured to floor)

Standard Sizes

Stand Width (WW)	8" (203)	10" (254)	12" (305)	14" (356)	16" (406)	18" (457)
Part # Reference	08	10	12	14	16	18
Stand Height (HH)*	22-32" (559-813)	30-40" (762-1,016)	38-48" (965-1,219)	46-56" (1,168-1,422)	54-64" (1,372-1,626)	
Part # Reference	2232	3040	3848	4656	5464	
Base Diameter (BD)	24" (610)	27" (686)	30" (762)	33" (838)	36" (915)	

- Casters do not change overall height
- Metric fasteners

Note: Dimensions = in (mm)

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 187

5200 & 5300 SERIES: SUPPORT STANDS

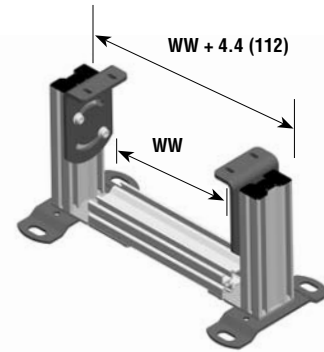
SHORT SUPPORT STANDS

Fixed Foot Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...				60" (1,524mm)	
Part # Reference	12	in 02 increments up to...				60	
Stand Height (HH)*	12-14" (305-356mm)	13-15" (330-381mm)	14-16" (356-406mm)	15-17" (381-432mm)	16-18" (406-457mm)	17-19" (432-483mm)	18-20" (457-508mm)
Part # Reference	1214	1315	1416	1517	1618	1719	1820

Swivel Locking Caster Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...				60" (1,524mm)	
Part # Reference	12	in 02 increments up to...				60	
Stand Height (HH)*	17-19" (432-483mm)	18-20" (457-508mm)	19-21" (483-533mm)	20-22" (508-559mm)	21-23" (533-584mm)	22-24" (559-610mm)	23-25" (584-635mm)
Part # Reference	1719	1820	1921	2022	2123	2224	2325



Full width is top plate on 10" wide stands only

FULLY ADJUSTABLE SUPPORT STANDS

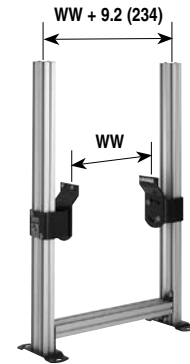
Fixed Foot Model

Stand Width (WW)	8" (203)	2" (51mm) increments up to...			60" (1,524)
Part # Reference	08	in 02 increments up to...			60
Top of Belt Range	7-19" (178-483)	15-34" (381-864)	15-46" (381-1,168)	15-58" (381-1,473)	15-70" (381-1,778)
Stand Height Reference	0719	1534	1546	1558	1570

Swivel Locking Caster Model

Stand Width (WW)	8" (203)	2" (51mm) increments up to...			60" (1,524)
Part # Reference	08	in 02 increments up to...			60
Top of Belt Range	12-19" (305-483)	20-34" (508-864)	20-46" (508-1,168)	20-58" (508-1,473)	20-70" (508-1,778)
Stand Height Reference	1219	2034	2046	2058	2070

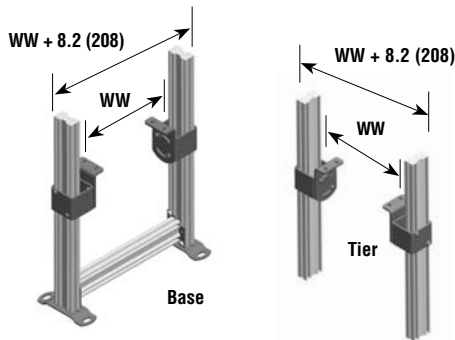
- Metric fasteners



MULTI TIER STANDS

Minimum Tier Height Per Conveyor

Flat Belt	12" (305mm)
Cleated Belt	15" (381mm)



Full width is top plate on 12" wide stands only

Base

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...		48" (1,219mm)
Part # Reference	12	in 02 increments up to...		48
Stand Height (HH)*	12" (305mm)	2" (51mm) increments up to...		60" (1,524mm)
Part # Reference	1212	in 0002 increments up to...		1260

Tier

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...		48" (1,219mm)
Part # Reference	12	in 02 increments up to...		48
Stand Height (HH)*	12" (305mm)	1" (25mm) increments up to...		36" (914mm)
Part # Reference	0712	in 0002 increments up to...		0736

Note: Do not use with support stands equipped with casters. Support Stands must be anchored to the floor. Do not use if conveyed product overhangs the edge of the conveyor belt due to pinch point created.

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 187

5200 & 5300 SERIES: SUPPORT STANDS

QUICK ADJUST STANDS

Fixed Foot Model

Stand Width (WW)*	6" (305mm)	2" (51mm) increments up to...	36" (914mm)
Part # Reference	06	in 02 increments up to...	36
Stand Height (HH)*	24" - 30" (610 - 762mm)	in 1" (25mm) increments up to...	66" - 72" (1,676 - 1,829mm)
Part # Reference	2430	in 0101 increments up to...	6672

Swivel Locking Caster Model

Stand Width (WW)*	12" (305mm)	2" (51mm) increments up to...	36" (914mm)
Part # Reference	12	in 02 increments up to...	36
Stand Height (HH)*	27" - 33" (686 - 838mm)	in 1" (25mm) increments up to...	60" - 66" (1,524 - 1,676mm)
Part # Reference	2733	in 0101 increments up to...	6066

* Under 12" wide use full top plate option

- Metric fasteners
- +/- 3" (76 mm) Height Adjustment
- Allows for Quick Height Adjustment
- Tool-less locking and adjustable handles



Fixed Foot Model

Swivel Locking Caster Model

A-FRAME STANDS

Fixed Foot Model

Stand Width (WW)	6" (44mm)	2" (51mm) increments up to...	36" (610mm)
Part # Reference	06	in 02 increments up to...	36
Top of Belt Height (HH)*	14" - 18" (356 - 457mm)	in 1" (25mm) increments up to...	56" - 60" (1,422 - 1,524mm)
Part # Reference	1418	in 0101 increments up to...	5660

Swivel Locking Caster Model

Stand Width (WW)	6" (44mm)	2" (51mm) increments up to...	24" (610mm)
Part # Reference	06	in 02 increments up to...	24
Top of Belt Height (HH)*	18" - 20" (457 - 508mm)	in 1" (25mm) increments up to...	58" - 60" (1,473 - 1,524mm)
Part # Reference	1820	in 0101 increments up to...	5860

* From floor to top of belt

- Metric fasteners
- +/- 2" (51 mm) Height Adjustment for Fixed Foot model
- +/- 1" (25 mm) Height Adjustment for Swivel Locking Caster model
- One (1) SmartSlot per side



Fixed Foot Model

Swivel Locking Caster Model

Note: Dimensions = in (mm)

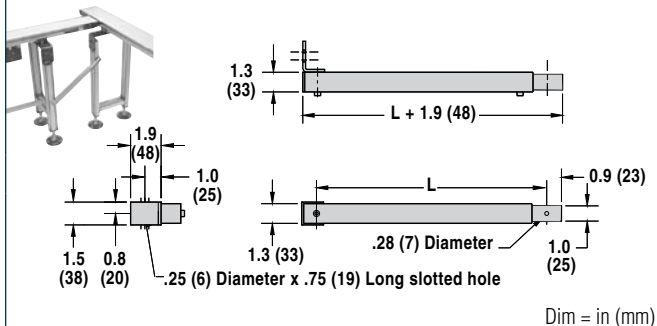
Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 187

5200 & 5300 SERIES: SUPPORT STANDS

STAND ACCESSORIES

Adjustable Tie Bracket



- Compatible with steel and aluminum support stands
- Secure critical stand and conveyor locations
- Length (L) adjusts + 0", - 11.25" (286 mm)
- Includes metric mounting hardware

Part Number	Description
27M400-02	Adjustable Tie Bracket, 2' (610 mm)
27M400-03	Adjustable Tie Bracket, 3' (914 mm)
27M400-04	Adjustable Tie Bracket, 4' (1,219 mm)
27M400-05	Adjustable Tie Bracket, 5' (1,524 mm)
27M400-06	Adjustable Tie Bracket, 6' (1,829 mm)

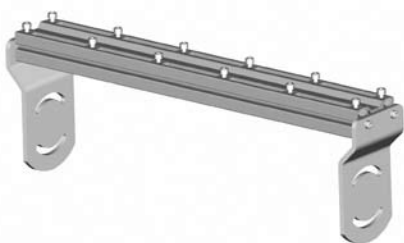
Diagonal Bracing



- For use on steel, aluminum and single post support stands with casters
- Metric fastener mounting hardware included
- For use on all stands with casters and any stands over 72" (1829 mm) tall
- One brace per stand for conveyors up to 24" wide (610 mm)
- Two braces per stand for conveyors over 24" wide (610 mm)

Part Number	Description
39MB-TS	for two-legged H style stands up to 30" tall (762 mm)
39MB-TT	for two-legged H style stands over 30" tall (762 mm)
39MB-PT	for Single Post and Pillar stands over 30" tall (762 mm)

Common Mount Kit



- Stand accessory for mounting multiple conveyors in parallel to one stand
- Adds 2" (51 mm) to stand height
- Adds 2.79" (71 mm) to overall stand width

For ordering information, see page 187

Tall Support Stands

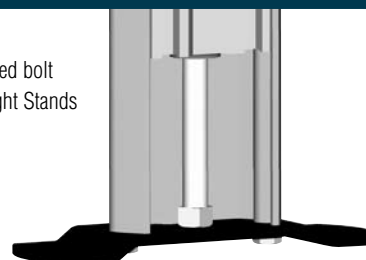


Tall Stands are the Fixed Height and Adjustable Height Stands as shown with additional outrigger support for added stability. These outriggers are required when the height of the stand exceeds 3.5x its width, and they add 16" to stand width. Tall stands over 6' tall include diagonal bracing.

Outriggers

Fine Adjustment Kit

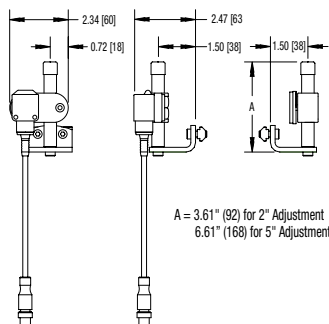
- Provides fine height adjustment via a threaded bolt
- For use with Fixed Height Stands



Part # 710028

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

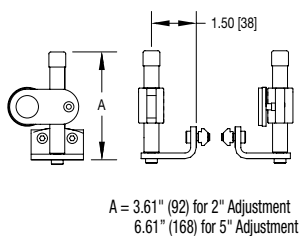
PHOTO EYE KITS



- 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

Part Number	Description
75M-PE-1	2" height adjustment
75M-PE-2	5" height adjustment

PHOTO EYE BRACKET KITS



- Standard mounting for 18mm 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

Part Number	Photo Eye Mount Type	Adjustment Height
75M-PM-1	Reflective	2"
75M-PM-2	Reflective	5"
75M-PM-3	Through Beam	2"
75M-PM-4	Through Beam	5"
75M-PM-5	Convergence	2"
75M-PM-6	Convergence	5"

ELECTRICAL CONDUIT MOUNTS



- Includes mount and hardware
- Mounts to Quick-Slot, no T-nut required
- Package of 10 pieces
- 5200 Series only

Part Number	Description
350001	Conduit Mount, 1/2" EMT, Package of 10
350002	Conduit Mount, 1" EMT, Package of 10

LOW VOLTAGE WIRE MOUNTS AND TIES



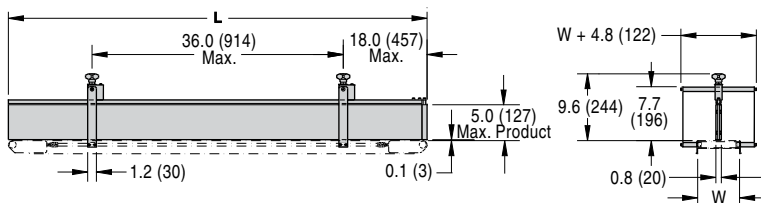
- Includes mount, hardware and tie wrap
- Mounts to Quick-Slot, no T-nut required
- Package of 10 pieces
- 5200 Series only

Part Number	Description
350000	Wire Tie Kit, Package of 10

Note: Dimensions = in (mm)

5200 & 5300 SERIES: ACCESSORIES

5200 SERIES ADJUSTABLE LANE GUIDING



Specifications:

- UHMW guide surface on an anodized aluminum mounting rail
- Painted Steel mounting hardware
- Available in standard 1' (305 mm) increments or can be ordered to any length
- 5" (127 mm) maximum, 0.25" (7 mm) minimum part height
- 0.25" (6 mm) minimum lane width
- Package includes one lane guide, mounting hardware and adjusting knobs
- For conveyors up to 24" (610 mm) wide – Consult factory for wider lane guide availability

Features & Benefits:

- 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



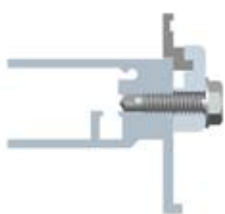
Order additional lane kits separately

Important: Exceeding 5" (127 mm) product height will produce a pinch point.

For ordering information, see page 187

5300 SERIES HARDWARE ACCESSORIES

DustPruf Self Drilling Screw



- Self drilling in SmartSlot™
- For attachment of heavy accessories or supports
- Package of 10 screws

Part Number	Thickness of Mounting Plate
715652	0 - 1/8" (3 mm)
715653	1/8 (3 mm) - 1/2" (13 mm)
715654	5/8 (16 mm) - 1" (25 mm)

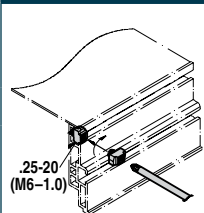
WW = Conveyor Width Reference

Note: Dimensions = in (mm)

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

5200 SERIES HARDWARE ACCESSORIES

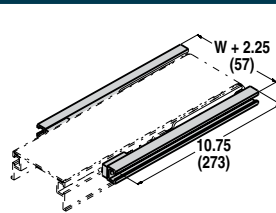
Spring T-Nut



- Mounts in T-slots to attach light weight accessories
- Recommended for vertical aluminum stand T-slots

Part Number	Description
200124	Spring T-nut, 0.25 - 20
200124M	Spring T-nut, M6 - 1.0
200300	Package of 5 Spring T-nuts, 0.25 - 20
200300M	Package of 5 Spring T-nuts, M6 - 1.0

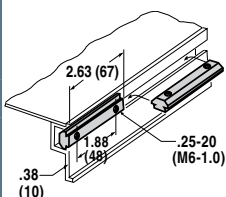
T-Slot Extenders



- Provides additional T-slots to the end of conveyor
- Includes mounting brackets and hardware
- Metric fasteners

Part Number	Description
307000M	T-Slot Extender, Pair

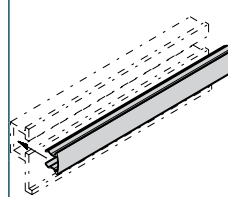
T-Bars



- Mounts in T-slots to attach heavy accessories
- 2.63" (67 mm) long 2 hole model, 0.75" (19mm) 1 hole model

Part Number	Description
639971	1 hole T-bar, 0.25 - 20
639971M	1 hole T-bar, M6 - 1.0
300150	2 hole T-bar, 0.25 - 20
300150M	2 hole T-bar, M6 - 1.0

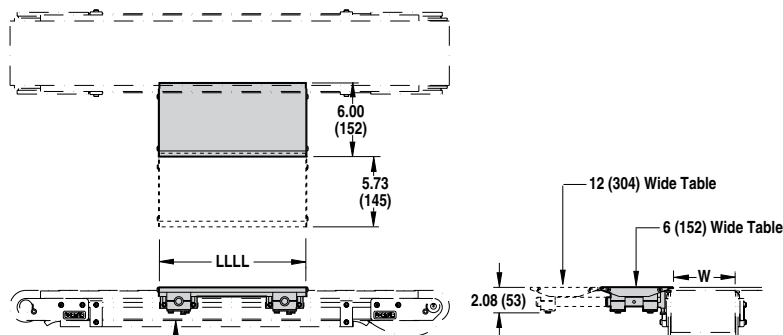
T-Slot Cover



- Snaps into conveyor and aluminum stand T-slots
- Black plastic extrusion
- Can be trimmed to fit

Part Number	Description
645656P	T-Slot Cover, Per 1' (305) of length

5200 SIDE TABLES



Supports can be positioned anywhere along table
 LLLL = 1' to 99' (Maximum 8' length single piece)

Specifications:

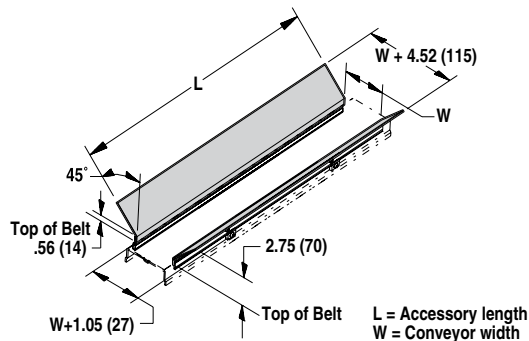
- Provides a 6" (152 mm) or 12" (305 mm) wide working surface
- Adjusts in/out and up/down (0.25" max above bedplate) for product transfer on/off conveyor belts
- Can be positioned anywhere along the conveyor
- Anodized aluminum work surface
- Max load: 5 lbs/ft (6 kg/m), use Adjustable Tie Brackets for added capacity
- Available in 1' (305 mm) increments from 1' (305 mm) to 99' (30,175 mm)
- Compatible with 2200, 3200, 5200 and 5300 Series Conveyors

Note: Dimensions = in (mm)

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

5200 & 5300 SERIES: ACCESSORIES

SIDE GUIDES

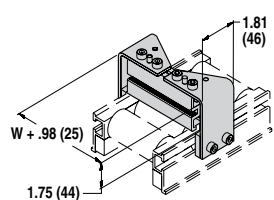


- Guides parts onto conveyor belt surface
- Includes metric mounting hardware

Part Number	Description
280802M	2' (610 mm) Flared Side
280803M	3' (914 mm) Flared Side
280804M	4' (1,219 mm) Flared Side
280805M	5' (1,524 mm) Flared Side
280806M	6' (1,829 mm) Flared Side

STOPS

Adjustable Stop*



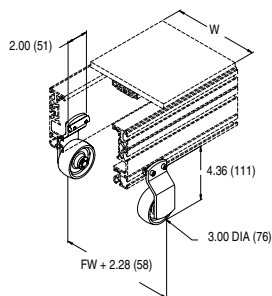
- Slides up and down T-slot length
- Includes mounting hardware

5200 Series Part Number	5300 Series Part Number	Description
352068-WW	352089-WW	Adjustable Stop for Straight
352069-WW	352090-WW	Adjustable Stop for Curve

WW = Conveyor Width Reference * Not compatible with high friction belts

BRACKETS

Frame Mount Casters

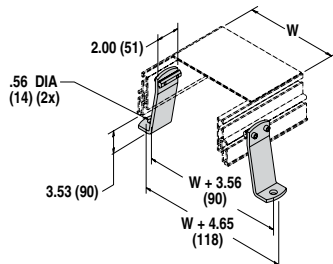


- Includes mounting hardware

Part Number	Description
390207	Frame mount casters, pair

Note: If the discharge end of conveyor is mounted over a table or similar structure, a conveyor bottom wiper must be installed to prevent against possible pinch point. Order bottom wiper separately.

Floor Mount Brackets



- Includes mounting hardware

Part Number	Description
390217	Floor mount brackets, pair

WW = Conveyor Width Reference

Note: Dimensions = in (mm)

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

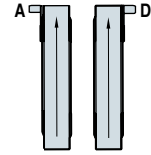
5200 & 5300 SERIES: PART NUMBER REFERENCE

5200 SERIES: STRAIGHT FLAT PLASTIC CHAIN

52 M WW LLL D I S PP BB

Belt Material: MN, MP, etc.
Profile: 01 = Lowside 13 = Fully Adjustable
 04 = 3" High side 14 = Tool-less Fully Adjustable
 05 = 1.50" High side 15 = Twin Rail Adjustable
Motor Shaft Position: A or D
Idler End: 1 = Standard, 2 = Nose Bar
Drive / Pulley Type: 1 = Standard, 2 = Nose Bar
Length: 036-999
Belt Width: 06-60
Language: M = English

Drive Shaft Position



Example: 52M2412011A01MN

Description: 5200 Series straight flat belt conveyor 24" (610mm) nominal width x 10' (3048mm) long with standard drive tail in position A, standard infeed tail, type 01 low side profile and type MN flat (closed) top acetal plastic chain. Note: Usable chain width is 23.63" (600mm).

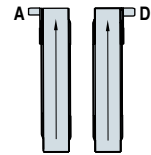
*Nose Bar drive conveyors have a minimum conveyor length of 48"

5200 SERIES: STRAIGHT CLEATED PLASTIC CHAIN

52 M WW LLL A PP BB SS

Cleat Spacing:
 02 - 99 = Link Spacing
Belt Material: NJ, NK, etc.
Profile: 01 = Lowside 02 = 1" High side 03 = 3" High side
Motor Shaft Position: A or D
Length: 036-999
Belt Width: 06-24
Language: M = English

Drive Shaft Position



Example: 52M12071A01NK04

Description: 5200 Series straight cleated conveyor, 12" (305mm) nominal width x 5'-11" (1803mm) long with type 01 low side profile. Plastic chain is type NK flat (closed) top polypropylene with 1" (25mm) tall cleats on 4" (102mm) centers. Depending upon belt width, each individual cleat may consist of multiple pieces. Note: Usable cleat width is 9.24" (235mm).

*Nose Bar drive conveyors have a minimum conveyor length of 48"

5200 SERIES STRAIGHT OR CURVE Z-FRAME: INFEEED TO KNUCKLE MODULE

52 - T M WW LLL - PP BB - N SS AA #

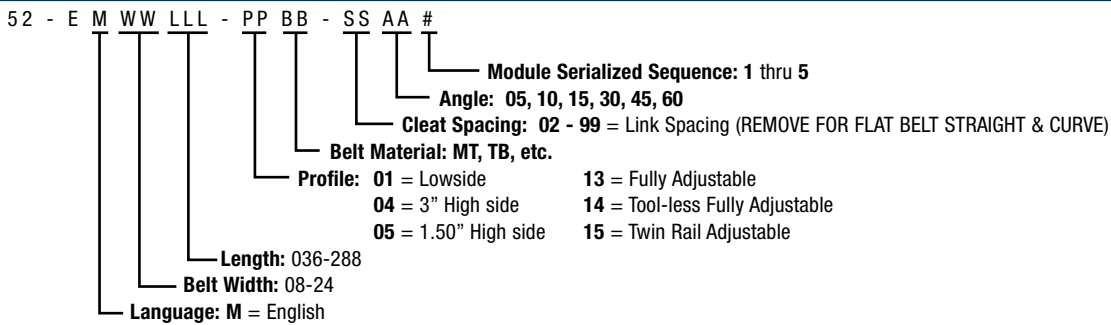
Module Serialized Sequence: 1 thru 5
Angle: 05, 10, 15, 30, 45, 60 (REMOVE FOR MODULE TYPES A AND B)
Cleat Spacing: 02 - 99 = Link Spacing (REMOVE FOR FLAT BELT STRAIGHT & CURVE)
Pulley Type: S = Standard Idler Pulley, N = Nose Bar Idler (straight only)
Belt Material: MT, TB, etc.
Profile: 01 = Lowside 13 = Fully Adjustable
 04 = 3" High side 14 = Tool-less Fully Adjustable
 05 = 1.50" High side 15 = Twin Rail Adjustable
Length: 036-288
Belt Width: 08-24
Language: M = English
Module Type: A = Horizontal Infeed to Lower Knuckle C = Inclined Infeed to Upper Knuckle
 B = Horizontal Infeed to Upper Knuckle D = Declined Infeed to Lower Knuckle

These reference charts are only provided as a reference and is not intended to be used for the construction of complete part numbers for order placing. Dorner has a full network of trained Distributors and sales staff equipped with our configuring / pricing software who are able to provide complete and accurate quotes for all standard products in a matter of minutes.

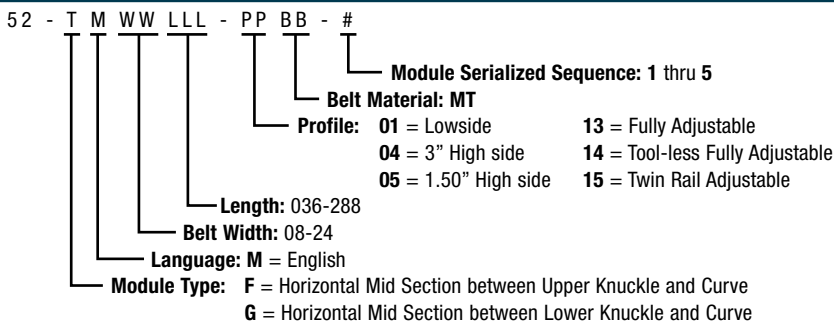
For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

5200 & 5300 SERIES: PART NUMBER REFERENCE

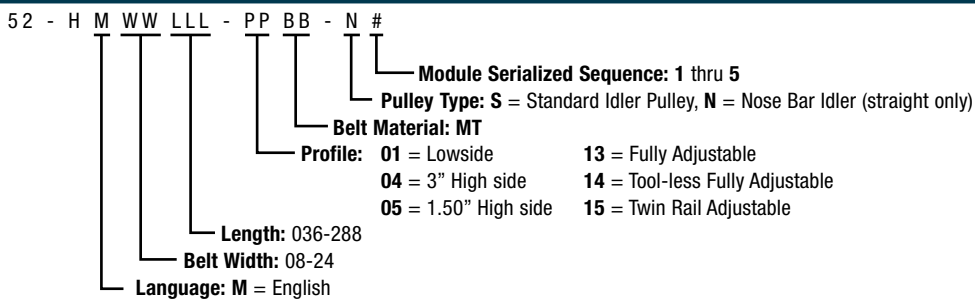
5200 SERIES STRAIGHT OR CURVE Z-FRAME: MID SECTION BETWEEN TWO KNUCKLE MODULES



5200 SERIES Z-FRAME CURVE: HORIZONTAL MID SECTION BETWEEN KNUCKLE & CURVE MODULE



5200 SERIES Z-FRAME CURVE: FLAT STRAIGHT INFEED TO CURVE MODULE

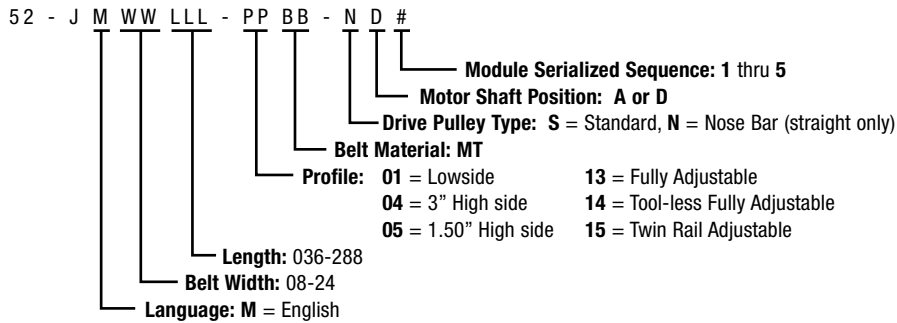


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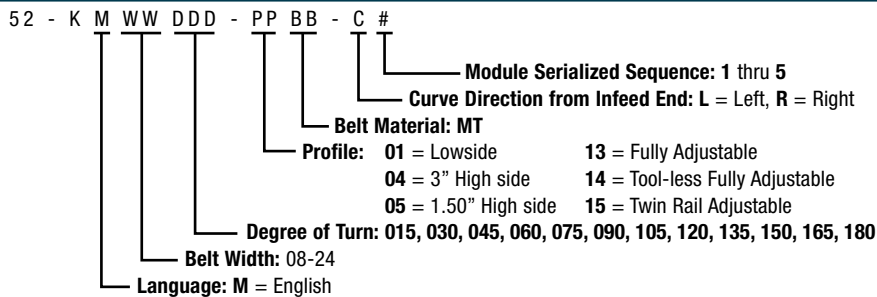
For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

5200 & 5300 SERIES: PART NUMBER REFERENCE

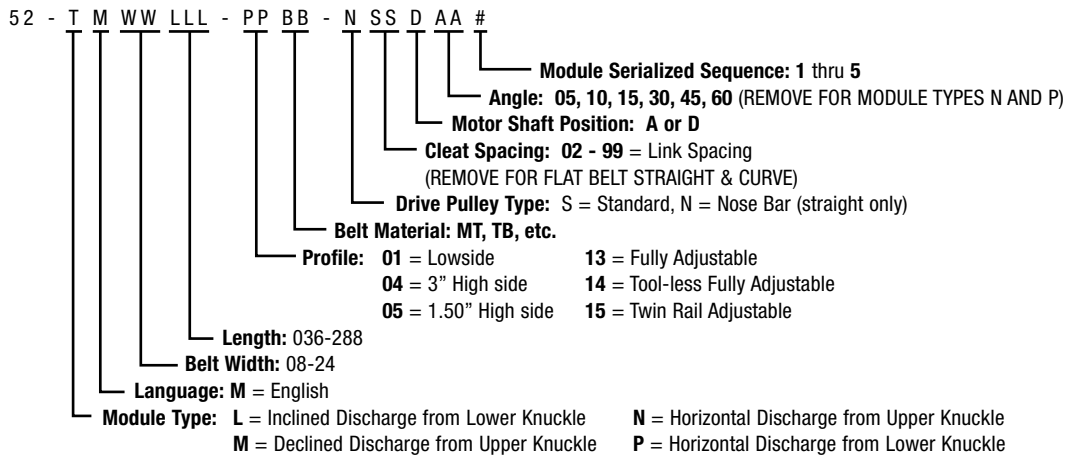
5200 SERIES Z-FRAME CURVE: FLAT STRAIGHT DISCHARGE FROM CURVE MODULE



5200 SERIES Z-FRAME CURVE: CURVE MODULE



5200 SERIES STRAIGHT OR CURVE Z-FRAME: DISCHARGE FROM KNUCKLE MODULE

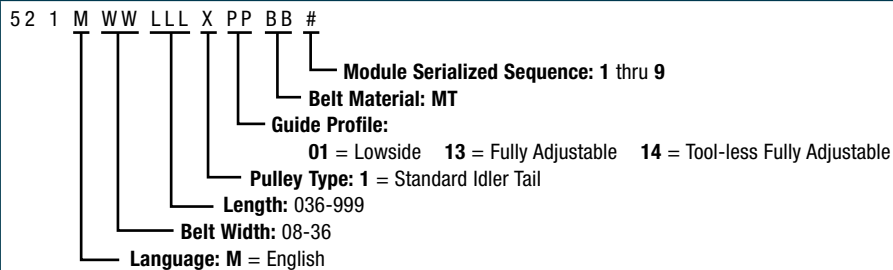


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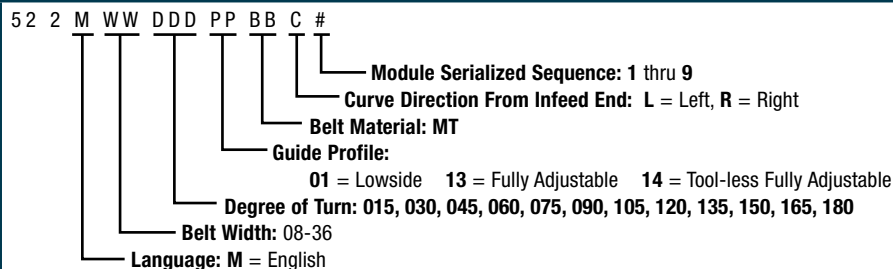
For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

5200 & 5300 SERIES: PART NUMBER REFERENCE

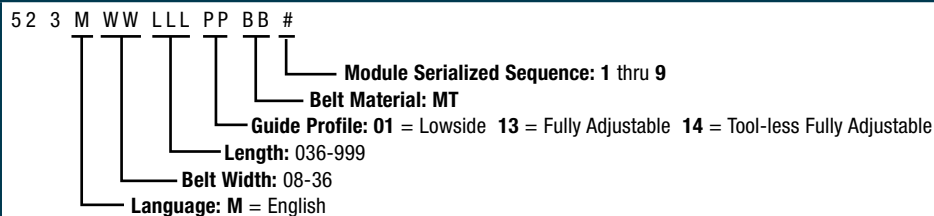
5200 SERIES CURVE: STRAIGHT INFEED / IDLER MODULE



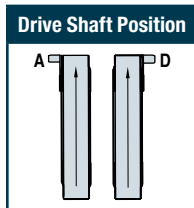
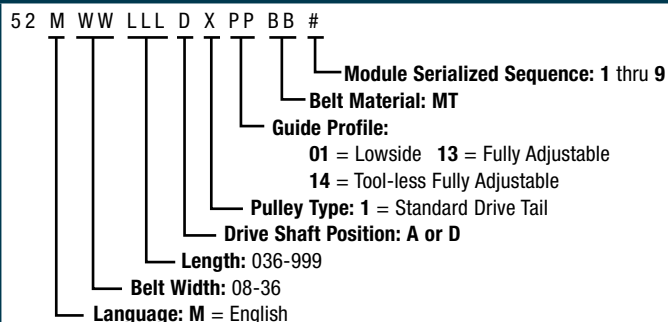
5200 SERIES CURVE: CURVE MODULE



5200 SERIES CURVE: STRAIGHT INTERMEDIATE MODULE



5200 SERIES CURVE: STRAIGHT EXIT / DRIVE MODULE



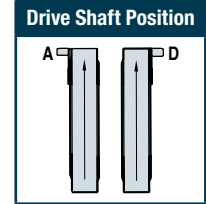
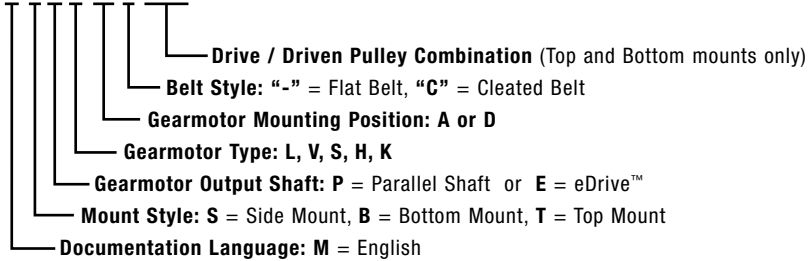
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5200 & 5300 SERIES: PART NUMBER REFERENCE

5200 & 5300 SERIES: MOUNTING PACKAGES

52 M B P S A - 1616

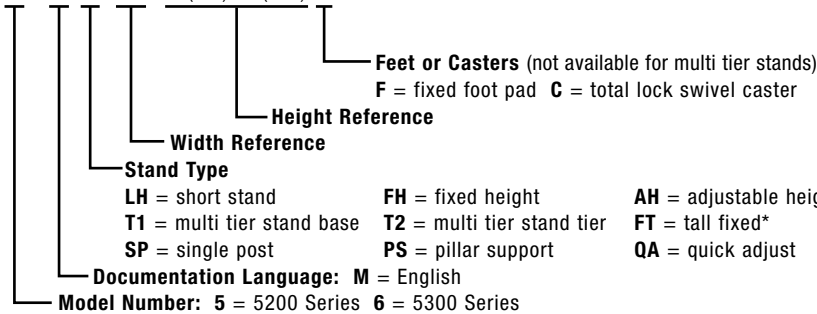


Example: 52MBPSA-1414

Description: Bottom mount package with English documentation. Configured for a parallel shaft, standard load motor in mount position A with a 14:14 drive / driven pulley combination.

5200 & 5300 SERIES: SUPPORT STANDS

5 9 M T T W W - HH(min) HH(max) F



Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability is final setup of the responsibility of the end user.

- | | | | |
|----------------------------|----------------------------|------------------------|---------------------------------|
| LH = short stand | FH = fixed height | AH = adjustable height | FA = fully adjustable |
| T1 = multi tier stand base | T2 = multi tier stand tier | FT = tall fixed* | AT = tall adjustable* |
| SP = single post | PS = pillar support | QA = quick adjust | AD = A-frame (5200/5300 Series) |

EXAMPLE: 59MFH12-2A28F

* Tall stands are required when the stand width is 3.5 times the stand height.

5200 SERIES: COMMON MOUNT KIT

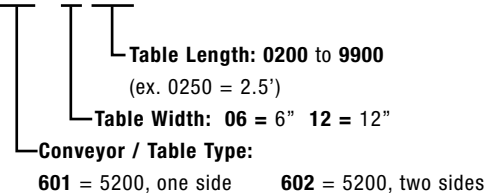
39MCM WW - #



Example: 39MCM-244

5200 SERIES: SIDE TABLES

27M TTT - 06 LLLL



Example: 27M601-060250

5200 SERIES: ADJUSTABLE LANE GUIDING

57M GGG - 06 LL



Guide Type:
500 = 5200 Package with 1 Lane
502 = 5200, Additional Lane

Example: 57M500-0620

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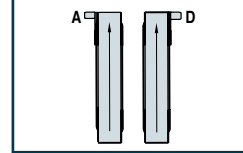
5300 SERIES: PART NUMBER REFERENCE

5300 SERIES: STRAIGHT FLAT BELT CONVEYOR

53 F M WW LLL D I S PP PP BB

- **Belt Material:** MA, MB, etc.
- **Profile D Side:** 01 = Lowside
04 = 3" High side
05 = 1.5" High side
13 = Fully Adjustable
14 = Tool-less Fully Adjustable
- **Profile A Side:** 01 = Lowside 13 = Fully Adjustable
04 = 3" High side 14 = Tool-less Fully Adjustable
05 = 1" High side
- **Motor Shaft Position:** A or D
- **Idler End:** 1 = Standard 3 = Standard - Output shaft A side
2 = Nosebar 4 = Standard - Output shaft D side
- **Drive / Pulley Type:** 1 = Standard 2 = Nosebar 3 = Standard - Dual Output Shaft
- **Length:** 036-999
- **Belt Width:** 06-36
- **Language:** M = English U = CE English

Drive Shaft Position

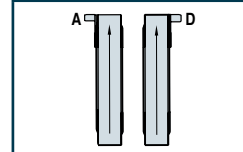


5300 SERIES: STRAIGHT CLEATED BELT CONVEYOR

53 F M WW LLL D A PP BB SS

- **Cleated Spacing:** 01 - 99 = Link Spacing
- **Belt Material:** MA, MB, etc.
- **Profile:** 01 = Lowside 03 = 2.3" Cleated guide
- **Motor Shaft Position:** A or D
- **Drive / Pulley Type:** 1 = Standard 3 = Standard - Dual Output Shaft
- **Length:** 036-999
- **Belt Width:** 06-36
- **Language:** M = English U = CE English

Drive Shaft Position



5300 SERIES: STRAIGHT INFEEED / IDLER MODULE

53 F1 M WW LLL X PP PP BB 1

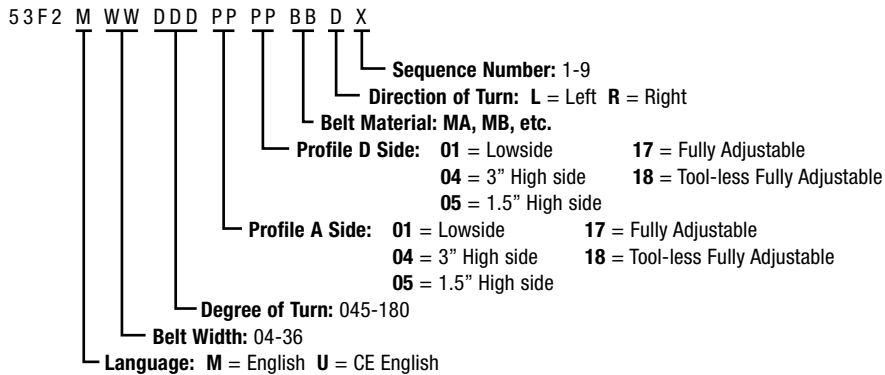
- **Sequence Number 1**
- **Belt Material:** MA, MB, etc.
- **Profile D Side:** 01 = Lowside 17 = Fully Adjustable
04 = 3" High side 18 = Tool-less Fully Adjustable
05 = 1.5" High side
- **Profile A Side:** 01 = Lowside 17 = Fully Adjustable
04 = 3" High side 18 = Tool-less Fully Adjustable
05 = 1.5" High side
- **Idler End:** 1 = Standard 3 = Standard - Output shaft A side
2 = Nosebar 4 = Standard - Output shaft D side
- **Length:** 036-999
- **Belt Width:** 04-36
- **Language:** M = English U = CE English

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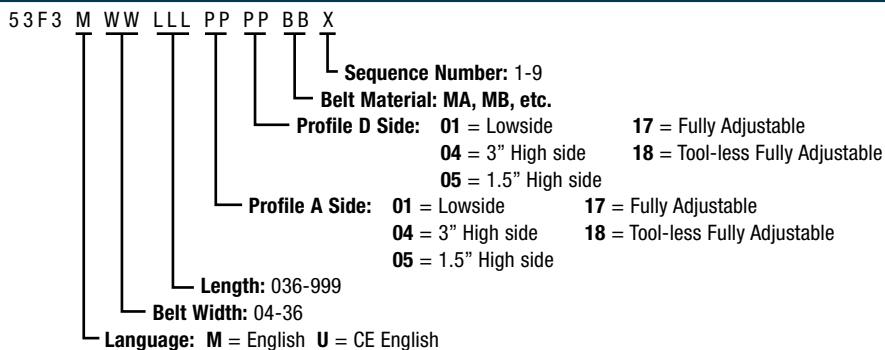
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5300 SERIES: PART NUMBER REFERENCE

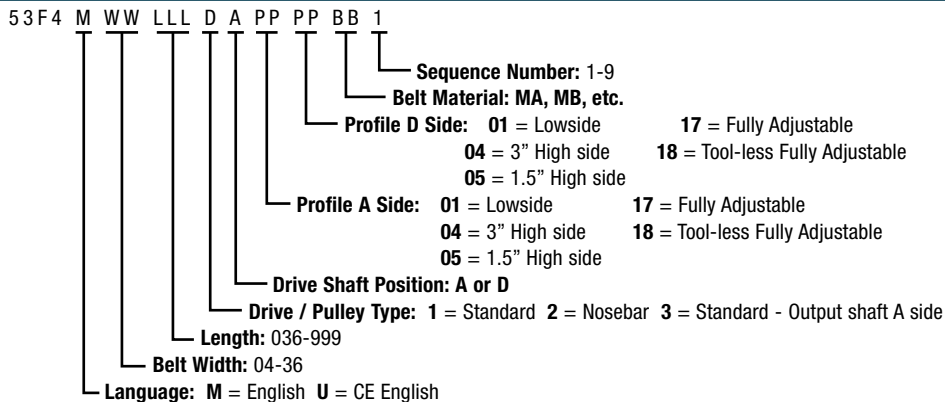
5300 SERIES: CURVE MODULE



5300 SERIES: STRAIGHT INTERMEDIATE MODULE



5300 SERIES: STRAIGHT EXIT / DRIVE MODULE



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6200 SERIES

LOW PROFILE CONVEYORS
STAINLESS STEEL

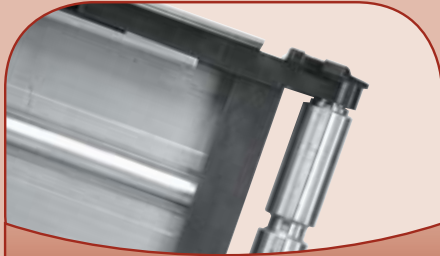


General Specifications:

- Flat Belt End and Center Drive, Cleated Belt End Drive models
- 1" (25 mm) diameter head and tail pulleys
- 1.75" (44 mm) to 12" (305 mm) belt widths
- Lengths: 2' (610 mm) to 12' (3,658 mm)
- Loads up to 120 lbs (54 kg)
- Sealed bearings
- CE models available

Applications:

- Metal Stamping
- Clean Room
- Part Extraction
- Small Part Transfer
- Manual Assembly
- Machined Part Handling



**Wedge-Lok™
System**



**V-Guided
Belts**



**Rack and Pinion
Belt Tension**

FLAT BELT END DRIVE **192**

FLAT BELT CENTER DRIVE **194**

CLEATED BELT END DRIVE **196**

PROFILES **199**

BELTING **200**

GEARMOTOR MOUNTING PACKAGES **203**

GEARMOTORS **210**

SUPPORT STANDS **218**

ACCESSORIES **223**

PART NUMBER REFERENCE **225**

6200 SERIES: FLAT BELT END DRIVE



Specifications:

- Loads up to 80 lbs* (36 kg)
- Belt speeds up to 150 ft/min (46 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 drive pulley turns approximately 3.4" (86 mm) of belt per revolution
- 11 gauge stainless steel roll formed frame
- 1.5" (38 mm) bottom of frame to top of belt
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.



**OPTIONAL:
Gang Drive Pulleys**

Allows you to drive multiple conveyors with one gearmotor. Turns approximately 3.4" (86 mm) of belt per revolution.

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**

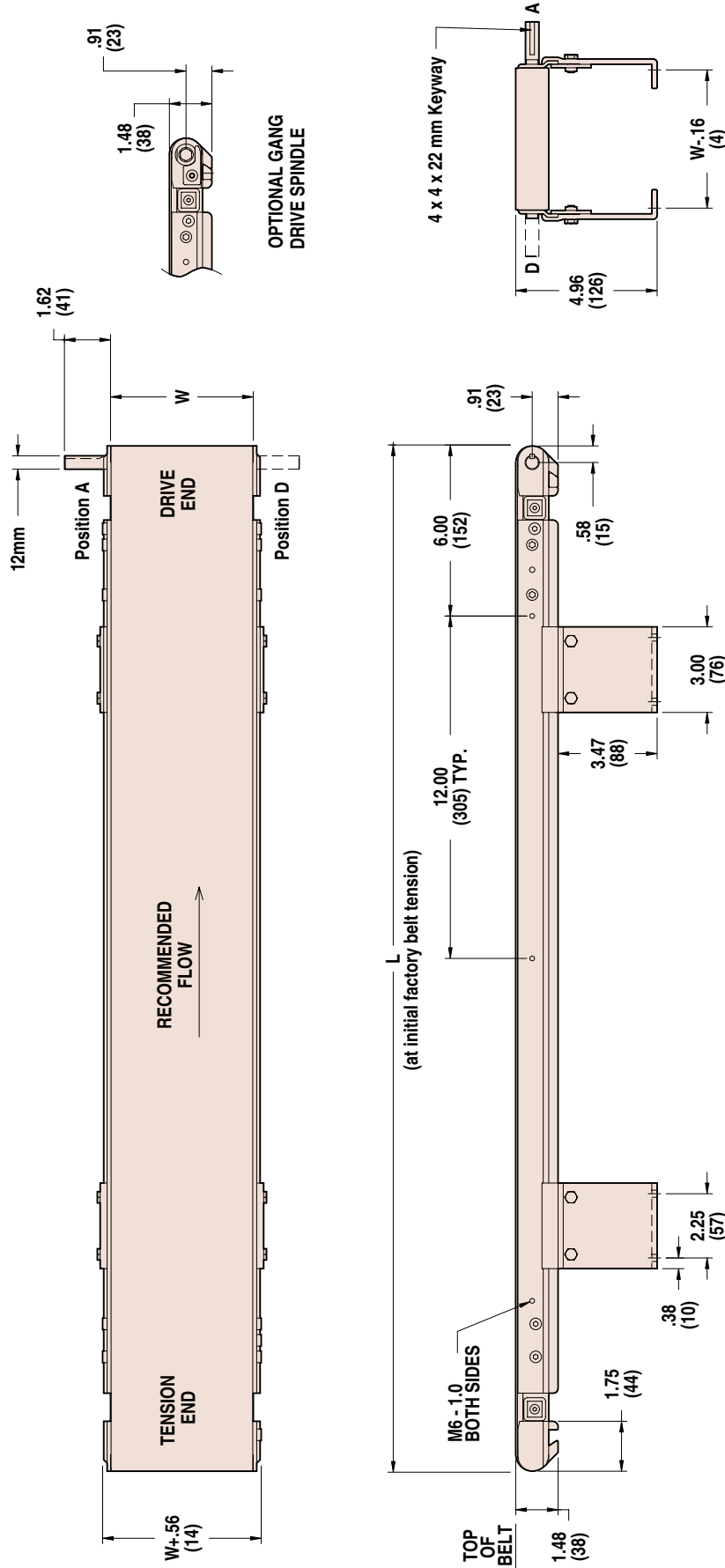
What is it? The conveyor headplates, which retain the conveyor pulleys and belt tension racks, are slightly tapered.

What is the Advantage? In harsh or frequently changing production environments, equipment can be damaged as it is quickly moved to different applications. Dorner's patented Wedge-Lok™ System protects the conveyor end from damage by locking the pulley end from movement on sharp impact.

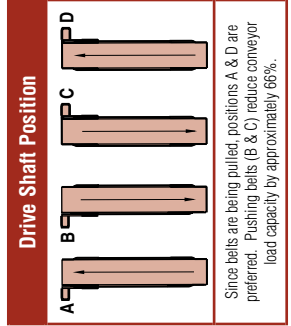
*Order gearmotor mounting packages and gearmotors separately, see pages 203-215.
For support stands and accessories, see pages 218-224.*

For ordering information, see page 225

6200 SERIES: FLAT BELT END DRIVE



W = Conveyor Belt Width
Dim = in (mm)



STANDARD SIZES									
Conveyor Width Reference	02	03	04	05	06	08	10	12	
Conveyor Belt Width (W)	1.75" (44mm)	2.75" (70mm)	3.75" (95mm)	5" (127mm)	6" (152mm)	8" (203mm)	10" (254mm)	12" (305mm)	
Conveyor Length Reference	0200	0001 increments up to...							
Conveyor Length (L)	2' (610mm)	.12" (3mm) increments up to...							

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.

6200 SERIES: FLAT BELT CENTER DRIVE



**Gas-Spring
Belt Tensioner**

Constantly adjusts the belt tension and requires no shop air to operate.

Specifications:

- Loads up to 120 lbs* (54 kg)
- Belt speeds up to 150 ft/min (46 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 tail pulleys
- 11 gauge stainless steel roll formed frame
- 1.5" (38 mm) bottom of frame to top of belt
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Mild steel head and tail plates with black nitrite finish
- V-groove frame with guided belt ensures accurate tracking
- Center drive modules free up conveyor ends for machine or operator interface
- Center drive module can easily be repositioned along the length of the conveyor
- 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**

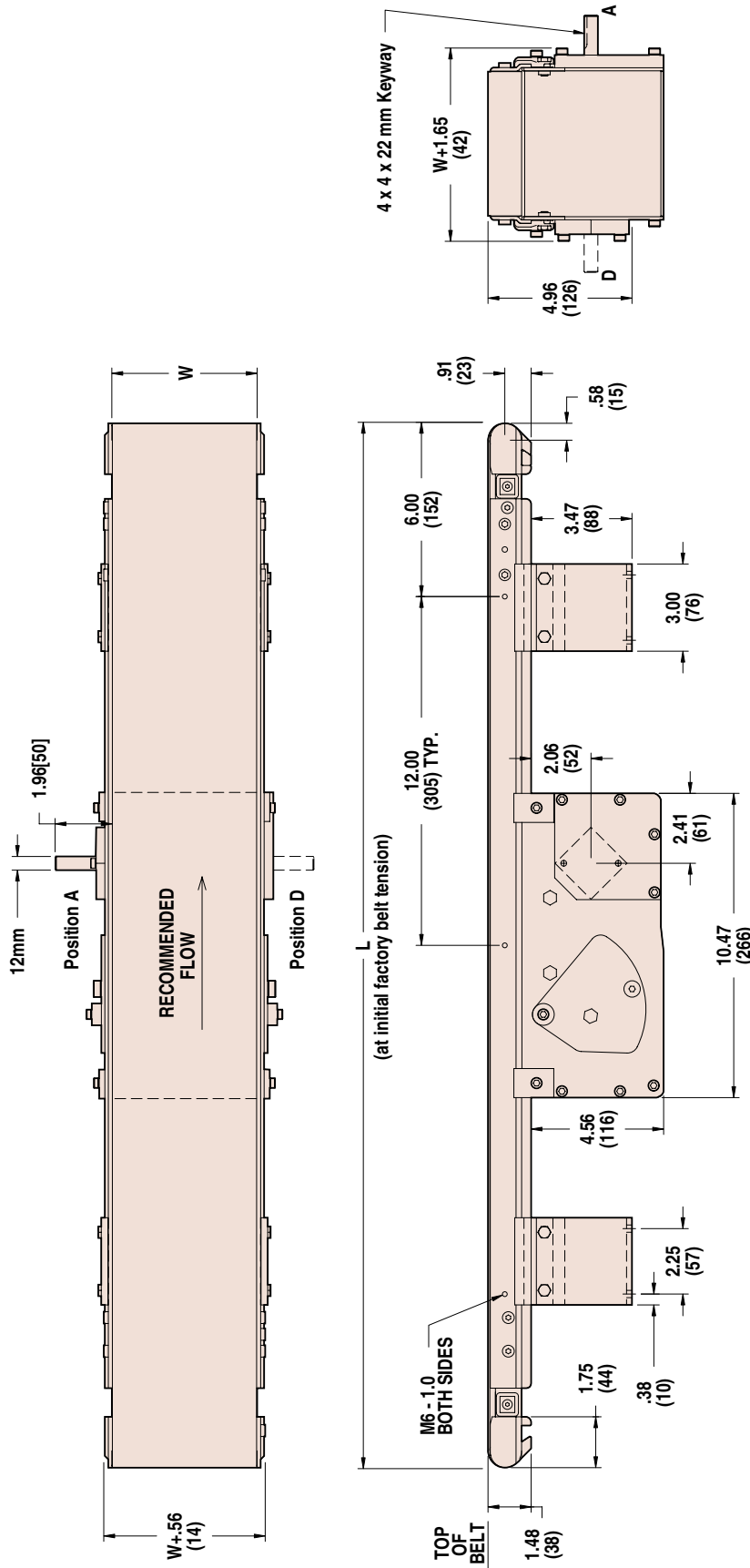
What is it? The conveyor headplates, which retain the conveyor pulleys and belt tension racks, are slightly tapered.

What is the Advantage? In harsh or frequently changing production environments, equipment can be damaged as it is quickly moved to different applications. Dorner's patented Wedge-Lok™ System protects the conveyor end from damage by locking the pulley end from movement on sharp impact.

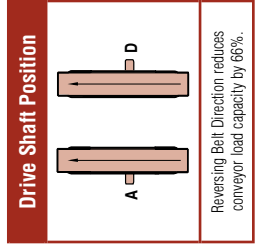
*Order gearmotor mounting packages and gearmotors separately, see pages 203-215.
For support stands and accessories, see pages 218-224.*

For ordering information, see page 225

6200 SERIES: FLAT BELT CENTER DRIVE



W = Conveyor Belt Width
Dim = in (mm)



STANDARD SIZES									
Conveyor Width Reference	02	03	04	05	06	08	10	12	
Conveyor Belt Width (W)	1.75" (44mm)	2.75" (70mm)	3.75" (95mm)	5" (127mm)	6" (152mm)	8" (203mm)	10" (254mm)	12" (305mm)	
Conveyor Length Reference	0200	0001 increments up to...		1200					
Conveyor Length (L)	2' (610mm)	.12" (3mm) increments up to...		12' (3,658mm)					

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.

6200 SERIES: CLEATED BELT END DRIVE



Specifications:

- Loads up to 80 lbs* (36 kg)
- Belt speeds up to 150 ft/min (46 m/min)
- Belt widths: 1.75" (44 mm) to 12" (305 mm)
- Conveyor lengths: 2' (610 mm) to 12' (3,658 mm)
- Cleats available from 0.24" (6 mm) to 2.36" (60 mm) high
- 1" (25 mm) diameter drive pulley turns approximately 3.4" (86 mm) of belt per revolution
- 11 gauge stainless steel roll formed frame
- 1.5" (38 mm) bottom of frame to top of belt
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Quick five-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
- Variety of cleat heights to meet application requirements
- Motion sensor switch ready



**Wedge-Lok™
System**

What is it? The conveyor headplates, which retain the conveyor pulleys and belt tension racks, are slightly tapered.

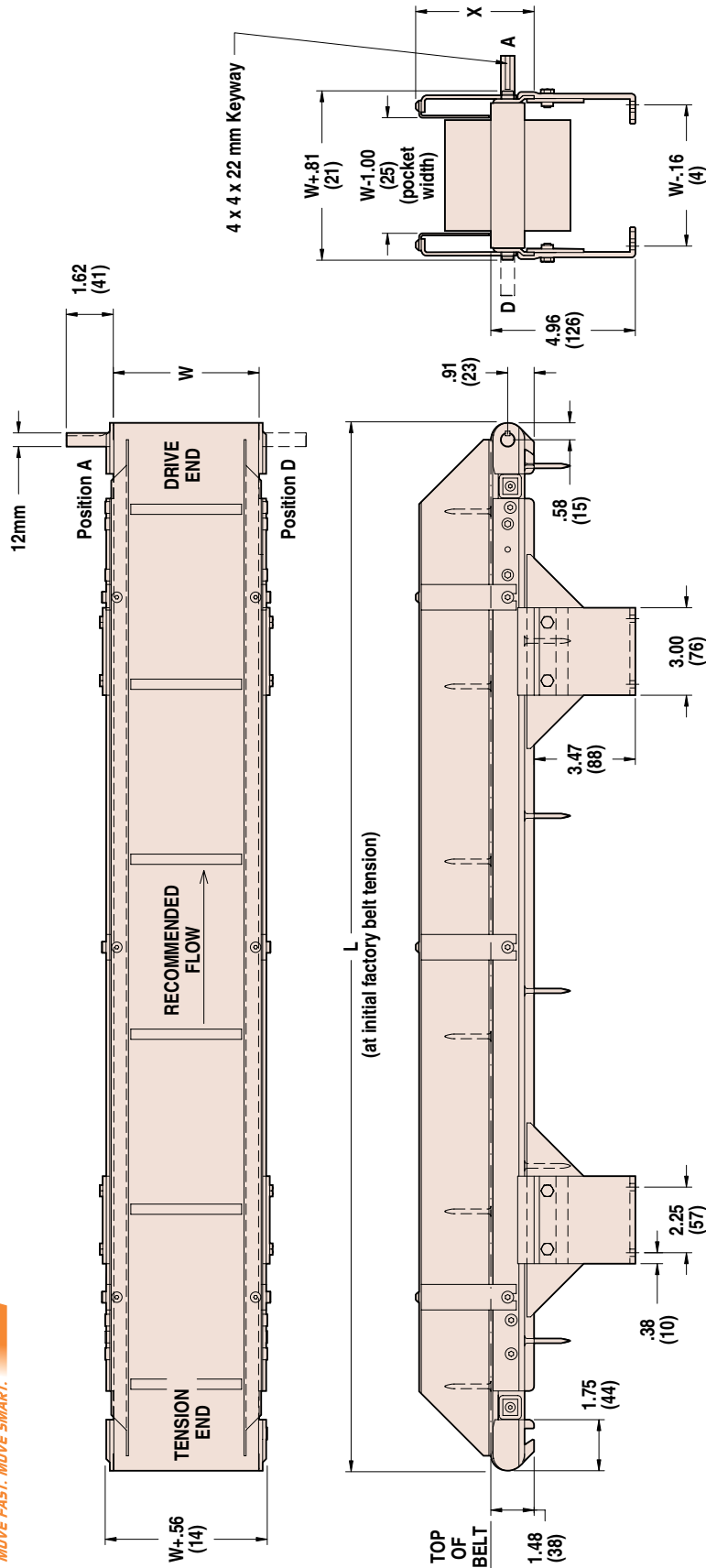
What is the Advantage? In harsh or frequently changing production environments, equipment can be damaged as it is quickly moved to different applications. Dorner's patented Wedge-Lok™ System protects the conveyor end from damage by locking the pulley end from movement on sharp impact.

*Order gearmotor mounting packages and gearmotors separately, see pages 203-215.
For support stands and accessories, see pages 218-224.*

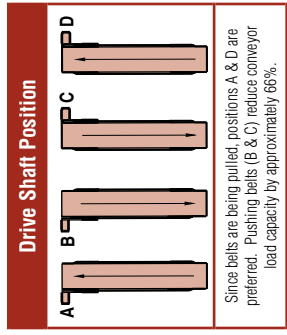
For ordering information, see page 226



6200 SERIES: CLEATED BELT END DRIVE



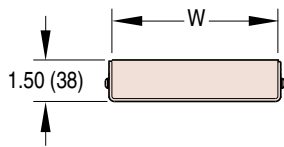
X = 2.70 (69) for A, F, G & H Cleats
 4.06 (103) for B, C, I & J Cleats
 W = Conveyor Belt Width
 Dim = in (mm)



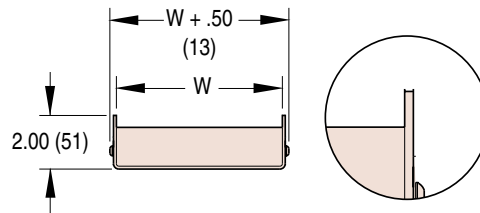
STANDARD SIZES									
Conveyor Width Reference	02	03	04	05	06	08	10	12	
Conveyor Belt Width (W)	1.75" (44mm)	2.75" (70mm)	3.75" (95mm)	5" (127mm)	6" (152mm)	8" (203mm)	10" (254mm)	12" (305mm)	
Conveyor Length Reference	0200	0001 increments up to...							
Conveyor Length (L)	2' (610mm)	.12" (3mm) increments up to...							

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.

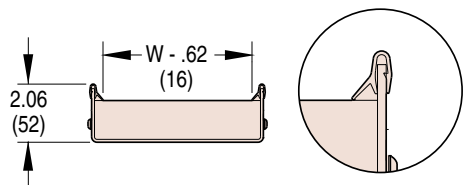
4100 SERIES PROFILES



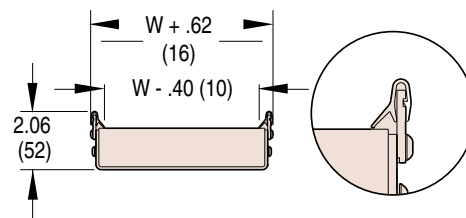
-01
Low Side



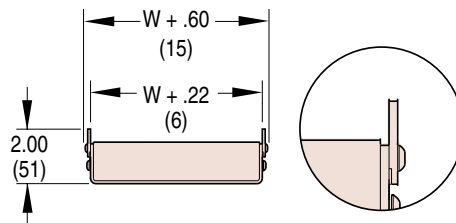
-02
High Side



-03*
Side Wiper



-07*
Low Side To Side Wiper



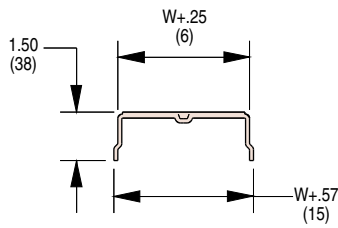
-09
0.5" (13) High Side

* Do not use with High Friction Belts

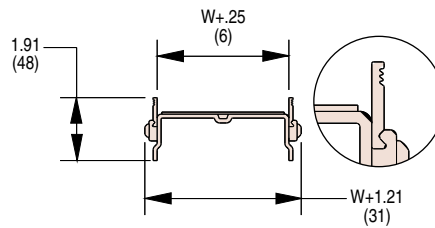
W = Conveyor Belt Width

Dim = in (mm)

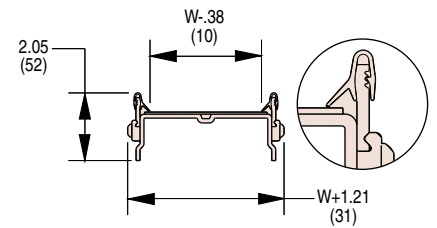
6200 SERIES PROFILES



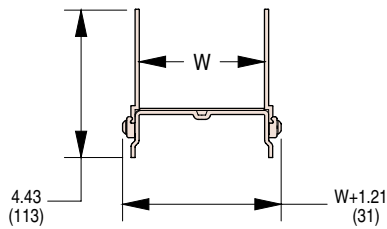
-01
Low Side



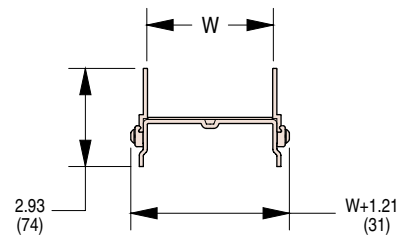
-02
.5" (13) Bolt-On High Side



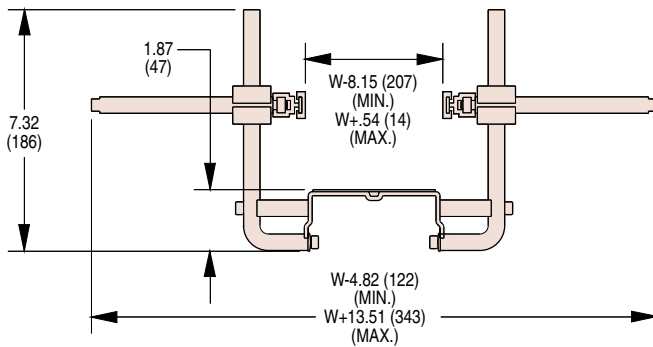
-03*
Bolt-On Side Wiper



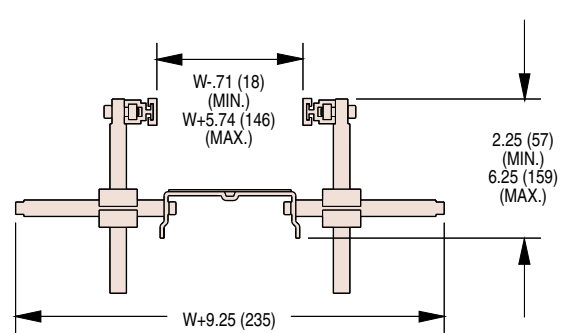
-04
3" (76) Bolt-On High Side



-05
1.5" (38) Bolt-On High Side



-13
Fully Adjustable UHMW Guide



-20
Adjustable Width UHMW Guide

* Do not use with High Friction Belts

W = Conveyor Belt Width

Dim = in (mm)

4100 & 6200 SERIES: STANDARD BELTING



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	0.067" (1.7)	Urethane	Polyester	212°F (100°C)	Low	x	x		Good	Packaging, clean room & 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	0.067" (1.7)	Urethane	Polyester	212°F (100°C)	High	x	x		Good	Packaging, clean room & 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*

Dim = in (mm)

Note: See below for splice details. Plastic Clipper splice requires longer lead times.

Note: Belts with V-guiding may have a slight high spot or rib on the top surface. This rib would run longitudinally along the center of the belt. Consult factory with applications for which this may cause interference.

* Incline varies due to factors like dust, fluids and part material.

BELT SPLICING



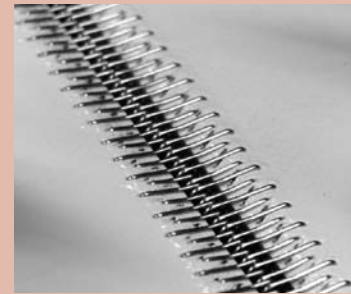
Finger Splice

All belts are available with a standard Thermoformed finger splice. This splice makes the belt continuous and is virtually undetectable. Splice bonding methods vary by belt type. Consult factory for details.



Plastic Clipper**

An optional plastic clipper splice is available for quick removal of belts or when conveyors are installed in tight spaces.



Metal Clipper**

An optional metal clipper splice is also available for quick removal of belts or when conveyors are installed in tight spaces.

** See belt charts for compatibility. Not for use with 6200 Series with bottom wiper option. Plastic and Metal Clippers are slightly thicker than base belt. Contact factory for details.

4100 & 6200 SERIES: SPECIALTY BELTING



Specialty Belt Selection Guide

Specialty belt material is not stocked at Dorner and needs to be custom ordered for your special conveyor needs.

Belt Type - Finger Splice	Belt Type - Plastic Clipper	Belt Type - Metal Clipper	Belt Specifications	V-guided	Belt Thickness	Surface Material	Maximum Part Temperature	Coefficient of Friction	FDA Approved	Chemical Resistance	Special Characteristics or Applications
50			Heat Resistant		0.05 (1.3)	Silicone	356°F (180°C)	Low		Good	
53			Translucent & Nosebar, Accumulation		0.02 (0.5)	Urethane	212°F (100°C)	V-Low	x	Good	Back Lit inspection & Very Small Product Transfer
54	F4	4F	FDA Sealed Edge**	x	0.06 (1.6)	Urethane	176°F (80°C)	Low	x	Good	Packaging, clean room & inspection
55	F5	5F	FDA Sealed Edge**	x	0.06 (1.6)	Urethane	176°F (80°C)	High	x	Good	Packaging, clean room & inspection
56		6F	Cut Resistant	x	0.08 (2.1)	Urethane	212°F (100°C)	Med.		Good	Oily product release, Metal stamping
57		7F	Cut Resistant*	x	0.10 (2.5)	Nitrile	176°F (80°C)	Med.		Poor	Felt-like, dry metal stamping, glass & ceramic
58		8F	Cut Resistant		0.06 (1.5)	Urethane	176°F (80°C)	Low		V-Good	Cross-linked surface, Gold colored
59	F9	9F	Color Contrasting	x	0.06 (1.5)	PVC	158°F (70°C)	Med.		Poor	Black colored, hides overspray from ink jet
60	G0	0G	Color Contrasting	x	0.05 (1.3)	Urethane	212°F (100°C)	Low	x	Good	Green colored
61	G1	1G	Color Contrasting	x	0.05 (1.3)	Urethane	212°F (100°C)	Low	x	Good	Blue colored
63		3G	Electrically Conductive	x	0.05 (1.2)	Urethane	176°F (80°C)	Low		Good	Static conductive, electronics handling
64		4G	High Friction	x	0.17 (4.4)	PVC	194°F (90°C)	V-High		Poor	Dark Green colored, rough top surface, product cushioning, incline / decline apps
65		5G	Chemical Resistant	x	0.05 (1.3)	Polypropylene	248°F (120°C)	Low	x	V-Good	V-Good Cut resistance, excellent product release
66		6G	Chemical Resistant	x	0.07 (1.7)	Polyester	212°F (100°C)	Med.	x	V-Good	Good Cut resistance, metal stamping apps
67		7G	Low Friction Cleated	x	0.06 (1.6)	Polyester	212°F (100°C)	n/a	x	Good	Excellent product release, consult factory for part number and how to specify low friction

Dim = in (mm)

Note: Plastic Clipper splice requires longer lead times.

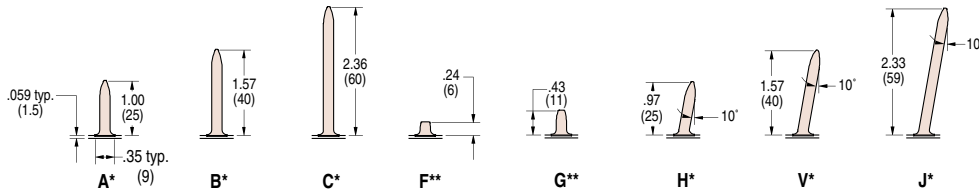
Note: Belts with V-guiding may have a slight high spot or rib on the top surface. This rib would run longitudinally along the center of the belt.

Consult factory with applications for which this may cause interference.

* 12" (305 mm) wide conveyor maximum for non V-guided

** Not available on 2" (51 mm) wide conveyors.

4100 & 6200 SERIES: STANDARD CLEATED BELTING

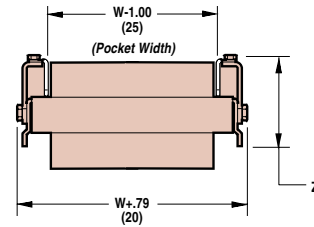


* Maximum 20" (508 mm) cleat spacing for 18" and wider conveyors with lengths greater than 7' (2,134 mm)

** 18" and wider conveyors have a maximum length of 7' (2,134 mm)

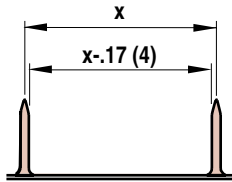
Base Belt Material: 0.059" (1.5 mm) thick, high friction FDA approved urethane, 176°F (80°C) maximum part temperature. See Specialty Belt 67 for low friction base belt material.

Note: Minimum cleat spacing is approximately 2" (50 mm). Consult Factory.



Z = 2.68" (68) for A, F, G & H Cleats
4.04" (102) for B, C, V & J Cleats
W = Conveyor Belt Width

CLEAT SPACING (6200 Series only)



Tolerance $\pm .08$ (2)

Steps:

- 1) Refer to Formulas below
- 2) Use formula 1 to determine the approximate number of cleats required based upon the desired cleat spacing. Since a partial cleat cannot be used, round the number of cleats up or down
- 3) Use formula 2 to get the cleat space reference for the conveyor part number

Formula 1

$$\text{Number of Cleats} = \frac{(\text{Conveyor Length in feet} \times 24) + 1.00}{\text{Desired cleat spacing in inches (x)}}$$

Example

Using a 6' long conveyor and 6" cleat spacing

$$\text{Number of Cleats} = \frac{(6 \times 24) + 1.00}{6} = \frac{145}{6} = \mathbf{24 \text{ Cleats (rounded)}}$$

Formula 2

$$\text{Cleat Space Reference (x)} = \frac{(\text{Conveyor Length in feet} \times 24) + 1.00}{\text{Number of Cleats from Formula 1}}$$

Example

Using a 6' long conveyor and 24 cleats

$$\text{Cleat Spacing in inches (x)} = \frac{(6 \times 24) + 1.00}{24 \text{ cleats}} = \frac{145}{24} = \mathbf{6.04 \text{ or } 0604 \text{ Cleat Reference}}$$

4100 & 6200 SERIES: GEARMOTOR MOUNTING PACKAGES

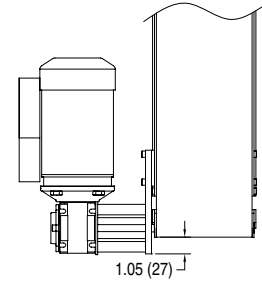
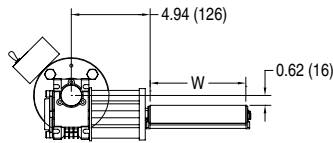
GEARMOTOR MOUNTING PACKAGE & GEARMOTOR SELECTION STEPS

- Step 1:** Select a **Gearmotor Mounting Package**. For End drive conveyors, select a side, bottom or top drive mount (pages 204-205). If a Center Drive conveyor is being outfitted, refer to the Center Drive section page 208. Be sure to note if it is for a **90°** or **Parallel Shaft Gearmotor**.
- Step 2:** Using **Belt Speed and Load** Requirements, determine the required **Gearmotor Type** (Light, Heavy or Standard) for your application using the chart below.
- Step 3:** Find the appropriate set of Belt Speed Charts (page 206 & 209) for the Mounting Package you selected and choose between the **Fixed** or **Variable Speed** chart.
- Step 4:** Go down the first column of the Belt Speed Chart and locate the required **Belt Speed** for your application. If the desired belt speed is not listed, round up to the next higher speed.
- Step 5:** From the row containing your required **Belt Speed**, check to be sure that speed is available for the **Mount Package** you chose. (End Drive Only - Top, Bottom or Side)
- Step 6:** Use the Drive / Driven Pulley Kit combination to complete your Mounting Package Part Number
- Step 7:** Note the **RPM from Gearmotor**, it will be needed to select the correct Gearmotor from the Gearmotor Chart.
- Step 8:** Reference the **Gearmotor Chart #** to locate a compatible Gearmotor Chart on pages 210-215. Be sure to select a Gearmotor Chart to match your **Gearmotor Type** (Light, Standard or Heavy) and your **Mounting Package** while meeting your electrical requirements. (Red = Parallel Shaft or Blue = 90°)
- Step 9:** Using the **RPM from Gearmotor** (Step 6), locate the **Part Number** for your Gearmotor from the Gearmotor Table.

	GEARMOTOR TYPE	Conveyor Load - Lbs (Kg)											
		Light Load											
		Standard Load											
	Heavy Load	10 (4.5)	20 (9.1)	30 (13.6)	40 (18.2)	50 (22.7)	60 (27.3)	70 (31.8)	80 (36.4)	90 (40.9)	100 (45.5)	110 (50)	120 (54.5)
Belt Speed - Ft/min (m/min)	0-15 (0-4.6)												
	16-30 (4.9-9.1)												
	31-45 (9.5-13.7)												
	46-60 (14-18.3)												
	61-75 (18.6-22.9)												
	76-90 (23.2-27.4)												
	91-110 (27.7-33.5)												
	111-130 (33.8-39.6)												
	131-150 (39.9-45.7)												
	151-175 (46-53.4)												
	176-200 (53.7-61)												
	201-225 (61.3-68.6)												
	226-250 (68.9-76.2)												
251-275 (76.5-83.8)													

4100 & 6200 SERIES: END DRIVE MOUNTING PACKAGES

Side Mount Package, 90° Gearmotor

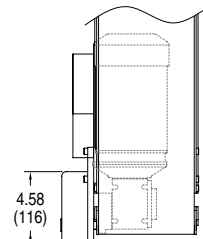
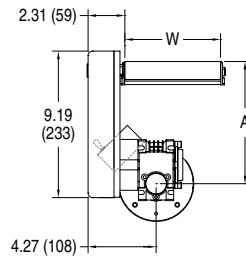


Standard load gearmotors only

- Includes gearmotor mounting bracket, coupling, coupling guard and mounting hardware

W = Conveyor Belt Width

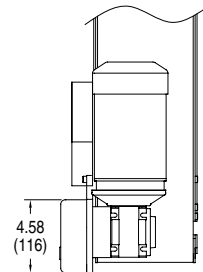
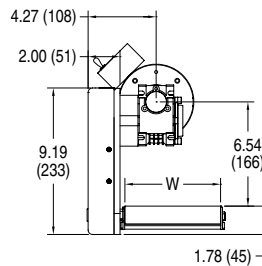
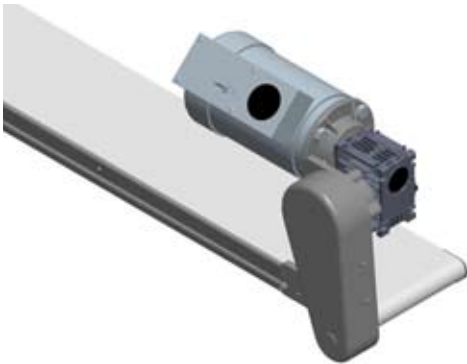
Bottom Mount Package, 90° Gearmotor



- Includes gearmotor mounting bracket, timing belt and pulleys, guard cover and mounting hardware

W = Conveyor Belt Width

Top Mount Package, 90° Gearmotor

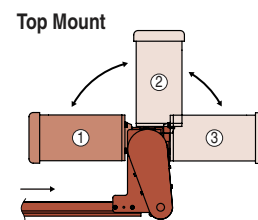
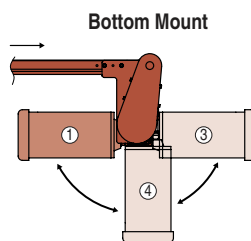
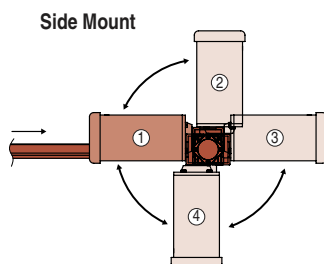


A: Flat Belt = 5.30 (135)
Cleated Belt = 7.66 (195)

- Includes gearmotor mounting bracket, timing belt and pulleys, guard cover and mounting hardware

W = Conveyor Belt Width

90° Gearmotor Location Options



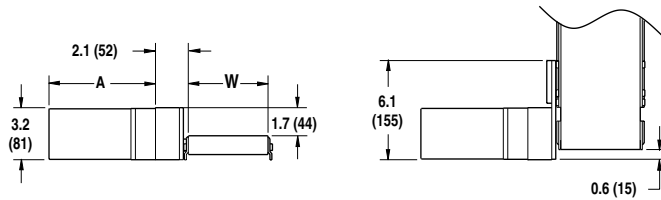
Notes:

- Position 1 recommended
- Vertical positions 2 and 4 may require additional stabilizing bracket

Consult factory for details

4100 & 6200 SERIES: END DRIVE MOUNTING PACKAGES

Side Mount Package, Parallel Shaft Gearmotor



A: Light Load, Fixed Speed	= 4.6 (117)
Light Load, Variable Speed	= 6.7 (170)
Light Load CE Fixed Speed	= 7.2 (183)

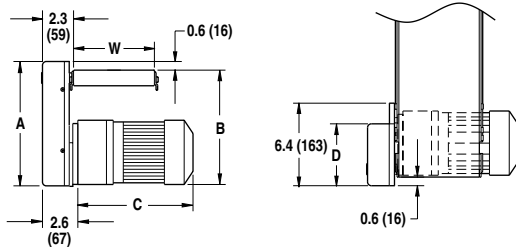


Light load gearmotors only

- Includes gearmotor mounting bracket, coupling, coupling guard and mounting hardware

W = Conveyor Belt Width

Bottom Mount Package, Parallel Shaft Gearmotor



A: Light Load Flat Belt	= 6.9 (175)
Light Load Cleated Belt	= 8.9 (226)
Standard Load Flat Belt	= 9.2 (234)
Standard Load Cleated Belt	= 9.2 (234)
B: Light Load Flat Belt	= 6.2 (158)
Light Load Cleated Belt	= 8.3 (211)
Standard Load Flat Belt	= 8.5 (216)
Standard Load Cleated Belt	= 10.3 (262)

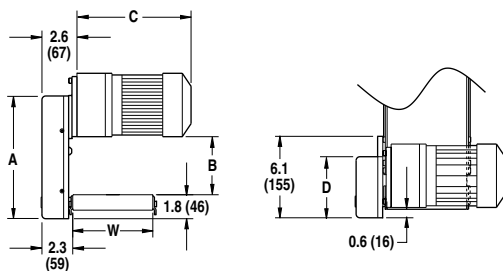
C: Light Load Flat Belt	= 6.7 (170)
Light Load, Variable Speed	= 6.7 (170)
Standard Load Flat Belt	= 10.5 (267)
Standard Load Cleated Belt	= 10.5 (267)
D: Light Load Flat Belt	= 6.1 (155)
Light Load Cleated Belt	= 5.6 (142)
Standard Load Flat Belt	= 4.6 (116)
Standard Load Cleated Belt	= 4.6 (116)



- Includes gearmotor mounting bracket, timing belt and pulleys, guard cover and mounting hardware

W = Conveyor Belt Width

Top Mount Package, Parallel Shaft Gearmotor



A: Light Load	= 8.9 (226)
Standard Load	= 9.2 (234)
B: Light Load	= 3.3 (84)
Standard Load	= 4.3 (110)

C: Light Load	= 6.7 (170)
Standard Load	= 10.5 (267)
D: Light Load	= 5.6 (142)
Standard Load	= 4.6 (116)



- Includes gearmotor mounting bracket, timing belt and pulleys, guard cover and mounting hardware

W = Conveyor Belt Width

Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user. Dimensions = in (mm)

4100 & 6200 SERIES: BELT SPEED CHARTS

Refer to the Gearmotor Selection Steps on page 203 for instructions on using the Belt Speed Charts.

Fixed Speed									
Belt Speed *		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart #		
ft/min	m/min		Top & Bottom	Side	Drive Pulley	Driven Pulley	Light Load	Standard Load	Heavy Load
2	0.6	10	x		22	32		5	
3	0.9	10	x		28	28		5	
5	1.5	10	x		44	22		5	
6	1.8	29	x		19	32		4	12, 13
10	3.0	29	x	x	28	28		4, 5	12, 13
13	4.0	42	x		28	32	1		
15	4.6	42	x	x	28	28	1		
15	4.6	43	x	x	28	28		4	12, 13
16	4.9	29	x		44	28		4, 5	12, 13
21	6.4	42	x		32	22	1		
24	7.3	43	x		44	28		4	12, 13
29	8.8	42	x		44	22	1		
30	9.1	86	x	x	28	28		4, 5	12, 13
35	10.7	100	x	x	28	28	1		
48	14.6	86	x		44	28		4, 5	12, 13
55	16.8	100	x		44	28	1		
61	18.6	173	x	x	28	28		4, 5	12, 13
95	29.0	173	x		44	28		4, 5	12, 13
104	31.7	173	x		48	28		4, 5	12, 13
121	36.9	345	x	x	28	28		4, 5	12, 13
138	42.1	345	x		32	28		4, 5	12, 13
176	53.6	345	x		32	22		4, 5	12, 13
208	63.4	345	x		48	28		4, 5	12, 13
242	73.8	345	x		44	22		4, 5	12, 13
264	80.5	345	x		48	22		4, 5	12, 13

CE Gearmotor RPM at 50 Hz									
Belt Speed *	RPM From Gearmotor	Mount Package	Pulley Kit	Gearmotor Chart #					
ft/min	m/min	Top & Bottom	Side	Light Load					
5	1.5	23*	x	19	32		6		
8	2.4	23*	x	28	28		6		
12	3.7	35*	x	28	28		6		
19	5.8	35*	x	44	28				
21	6.4	41*	x	32	22	2			
25	7.6	70*	x	28	28		6		
39	11.9	70*	x	44	28		6		
49	14.9	140*	x	28	28		6		
50	15.2	144*	x	28	28	2			
77	23.5	140*	x	44	28		6		
96	29.3	280*	x	28	28		6		
112	34.1	280*	x	32	28		6		
143	43.6	280*	x	32	22		6		
169	51.5	280*	x	48	28		6		
197	60.0	280*	x	44	22		6		
214	65.2	280*	x	48	22		6		
268	81.7	280*	x	60	22		6		

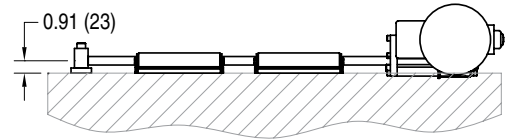
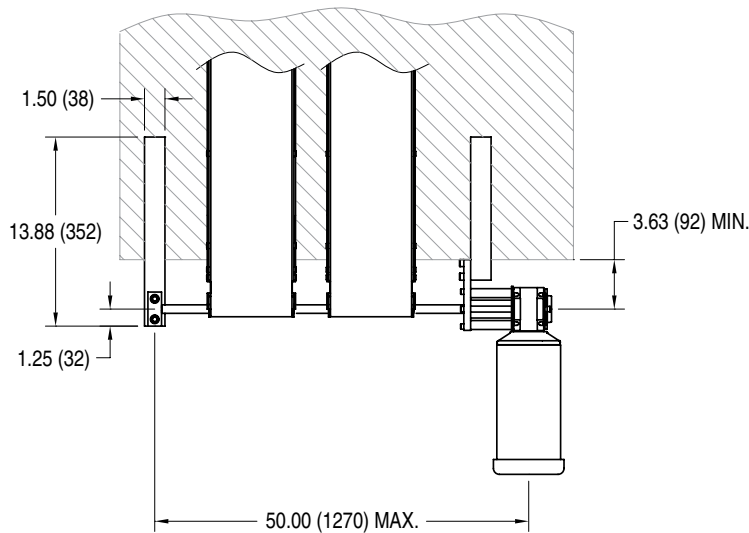
Variable Speed									
Belt Speed *		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart #		
ft/min	m/min		Top & Bottom	Side	Drive Pulley	Driven Pulley	Light Load	Standard Load	Heavy Load
0.4 - 3.4	0.1 - 1.0	14	x		22	32		10	
0.6 - 5	0.2 - 1.5	14	x		28	28		10	
0.6 - 6	0.2 - 1.8	29	x		19	32		8	15, 16
1 - 10	0.3 - 3.1	29	x		28	28		8, 11	15, 16
1.8 - 14	0.5 - 4.5	42	x	x	28	28	3	7, 10	14
1.5 - 15	0.5 - 4.6	43	x		28	28		8	15, 16
2.6 - 22	0.8 - 6.7	63	x	x	28	28		7	14
2.8 - 23	0.8 - 7	42	x		44	28	3	7	14
3.5 - 29	1.1 - 9	83	x		28	28		10	
3 - 30	0.9 - 9.2	86	x		28	28		8, 11	15, 16
5.3 - 44	1.6 - 13	125	x	x	28	28		7, 10	14
6 - 49	1.8 - 15	139	x	x	28	28	3		
6 - 60	1.8 - 18	173	x		28	28		8, 11	15, 16
9 - 77	2.8 - 23	139	x		44	28	3		
10 - 88	3.2 - 27	250	x	x	28	28		7, 10	14
10 - 104	3.2 - 32	173	x		48	28		8, 11	15, 16
12 - 121	3.7 - 37	345	x		28	28		8, 11	15, 16
17 - 138	5 - 42	250	x		44	28		7, 10	14
21 - 176	6.4 - 54	500	x	x	32	32		7, 10	14
26 - 264	8.1 - 81	345	x		48	22		8, 11	15, 16
33 - 276	10 - 84	500	x		44	28		7, 10	14

CE RPM from CE/50 Hz gearmotors VFD drive at 63 Max. Hz. output									
Belt Speed *	RPM From Gearmotor	Mount Package	Pulley Kit	Gearmotor Chart #					
ft/min	m/min	Top & Bottom	Side	Light Load					
2.4 - 6	0.7 - 1.9	23*	x	19	32		9		
4.1 - 10	1.2 - 3.1	23*	x	28	28		9		
6 - 15	1.9 - 4.7	35*	x	28	28		9		
12 - 31	3.7 - 9.4	70*	x	28	28		9		
25 - 62	7.5 - 19	140*	x	28	28		9		
39 - 97	12 - 30	140*	x	44	28		9		
49 - 124	15 - 38	280*	x	28	28		9		
77 - 195	23 - 59	280*	x	44	28		9		
107 - 270	33 - 82	280*	x	48	22		9		

Note: Red = Parallel Shaft, Blue = 90°

* 6200 Series has a max belt Speed of 150 ft/min (46 m/min)

4100 & 6200 SERIES: GANG DRIVE MOUNTING PACKAGES



Includes motor mounting bracket, 4' (1,219 mm) hex shaft, coupling, shaft guard, support block and support block bracket.

Notes:

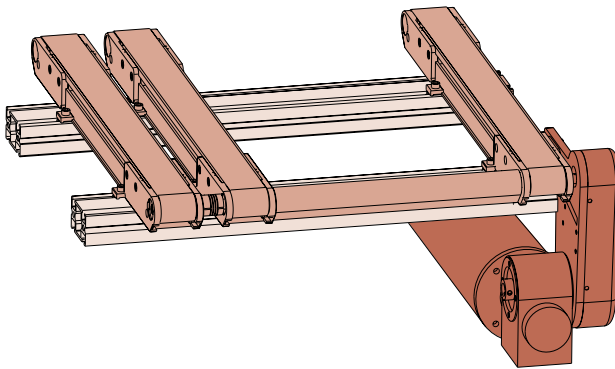
- Conveyors cannot be secured to bolster plate
- Order conveyor with gang drive option separately
- Order gearmotor separately (90° Standard and Heavy Load only)
- Positions 2 and 3 recommended

Note: Dimensions = in (mm)



For ordering information, see page 226

COMMON DRIVE SET-UP



Includes mounting structure, drive shaft, shaft guard and conveyor mounting hardware. Order gearmotor and gearmotor mounting package separately. Consult factory with conveyor and spacing details. Conveyors are secured to sub-structure at fixed centerline locations.

Common drive set ups can be customized to your exact specifications, just provide the conveyor widths, lengths, quantity and centerline spacing. Available with top, bottom or side mount packages for standard or heavy load gearmotors. Consult factory with details.

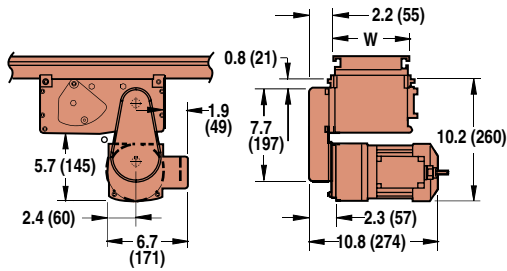
Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.

4100 & 6200 SERIES: CENTER DRIVE MOUNTING PACKAGES

Refer to the Gearmotor Selection Steps on page 203 for instructions on using the Belt Speed Charts.

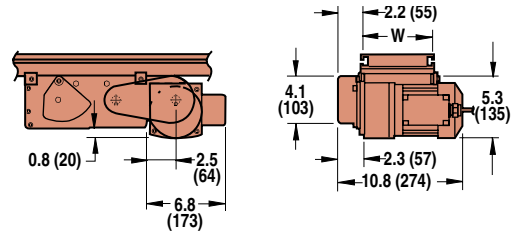
TYPE 1 - Vertical Mount

Parallel Shaft Gearmotor

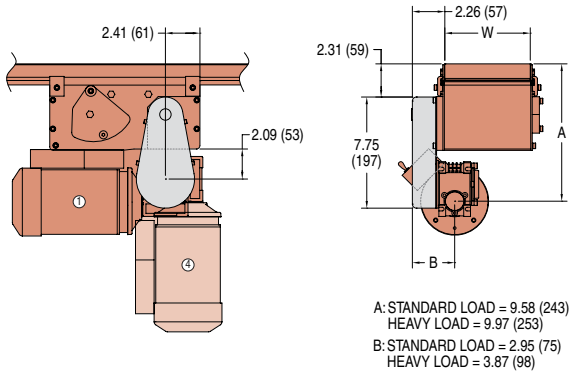


TYPE 2 - Horizontal Mount

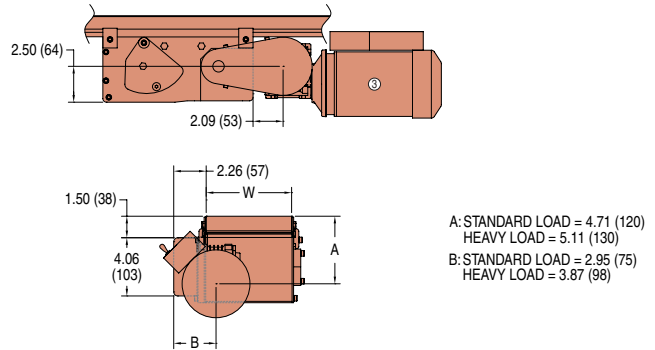
Parallel Shaft Gearmotor



90° Gearmotor



90° Gearmotor




TYPE 2 recommended for tight spaces and allows for easy access to the drive module.


* Gearmotor not included in mounting package, see page 30 for gearmotor ordering information. Dimensions = in (mm)

4100 & 6200 SERIES: CENTER DRIVE BELT SPEED CHARTS

Refer to the Gearmotor Selection Steps on page 203 for instructions on using the Belt Speed Charts.

Fixed Speed						
Belt Speed		RPM From Gearmotor	Pulley Kit		Gearmotor Chart #	
ft/min	m/min		Drive Pulley	Driven Pulley	Standard Load	Heavy Load
2	0.6	10	22	32	5	
3	0.9	10	32	32	5	
6	1.8	29	19	32	4	12, 13
10	3.0	29	32	32	4, 5	12, 13
15	4.6	43	32	32	4	12, 13
20	6.1	58	32	32	5	
23	7.0	43	48	32	4	12, 13
30	9.1	86	32	32	4, 5	12, 13
61	18.6	173	32	32	4, 5	12, 13
91	27.7	173	48	32	4, 5	12, 13
121	36.9	345	32	32	4, 5	12, 13
154	46.9	345	28	22	4, 5	12, 13
181	55.2	345	48	28	4, 5	12, 13
208	63.4	345	48	28	4, 5	12, 13
264	80.5	345	48	22	4, 5	12, 13
 Gearmotor RPM at 50 Hz.						
5	1.5	23	19	32	6	
8	2.4	23	32	32	6	
12	3.7	35	32	32	6	
18	5.5	35	48	32	6	
25	7.6	70	32	32	6	
37	11.3	70	48	32	6	
49	14.9	140	32	32	6	
74	22.6	140	48	32	6	
98	29.9	280	32	32	6	
148	45.1	280	48	32	6	
169	51.5	280	48	28	6	
214	65.2	280	48	22	6	
248	75.6	280	48	19	6	

Note: Red = Parallel Shaft, Blue = 90°

Variable Speed						
Belt Speed		RPM From Gearmotor	Pulley Kit		Gearmotor Chart #	
ft/min	m/min		Drive Pulley	Driven Pulley	Standard Load	Heavy Load
0.4 - 3.4	0.1 - 1.0	14	22	32	10	
0.6 - 4.9	0.2 - 1.5	14	32	32	10	
0.7 - 6	0.2 - 1.8	29	19	32	8	15, 16
1.0 - 9	0.3 - 2.6	42	19	32	7, 10	14
1.2 - 10	0.4 - 3.1	29	32	32	8, 11	15, 16
1.8 - 15	0.5 - 4.5	42	32	32	7, 10	14
1.8 - 15	0.6 - 4.6	43	32	32	8	15, 16
2.6 - 22	0.8 - 6.7	63	32	32	7	14
3.5 - 29	1.1 - 9	83	32	32	10	
3.6 - 30	1.1 - 9.2	86	32	32	8, 11	15, 16
5.3 - 44	1.6 - 13	125	32	32	7, 10	14
7 - 61	2.2 - 18	173	32	32	8, 11	15, 16
10 - 88	3.2 - 27	250	32	32	7, 10	14
12 - 104	3.8 - 32	173	48	28	8, 11	15, 16
14 - 121	4.4 - 37	345	32	32	8, 11	15, 16
18 - 150	5.5 - 46	250	48	28	7, 10	14
21 - 176	6.4 - 54	500	32	32	7, 10	14
23 - 190	7 - 58	345	44	28	8, 11	15, 16
27 - 224	7.3 - 61	500	28	22	7, 10	14
29 - 242	9 - 74	345	44	22	8, 11	15, 16
31 - 255	9.3 - 78	500	32	22	7, 10	14
 RPM from 50 Hz. gearmotors, VFD drive at 63 max. Hz. output.						
2.4 - 6	0.7 - 1.9	23	19	32	9	
4.1 - 10	1.2 - 3.1	23	32	32	9	
6 - 16	1.6 - 4.7	35	32	32	9	
12 - 31	3.7 - 9.4	70	32	32	9	
24 - 62	7.5 - 19	140	32	32	9	
37 - 93	11 - 28	140	48	32	9	
49 - 124	15 - 38	280	32	32	9	
74 - 186	22 - 57	280	48	32	9	
98 - 248	30 - 76	280	44	22	9	

4100 & 6200 SERIES: GEARMOTORS

GEARMOTOR SELECTION STEPS

Refer to page **203** for instructions on Selecting a Gearmotor Mounting Package and Gearmotor.

GEARMOTOR TYPE		Conveyor Load - lbs (kg)																	
		10 (4.5)	20 (9.1)	30 (13.6)	40 (18.2)	50 (22.7)	60 (27.3)	70 (31.8)	80 (36.4)	90 (40.9)	100 (45.5)	110 (50)	120 (54.5)						
Belt Speed - ft/min (m/min)	Light Load	0-15 (0-4.6)																	
	Standard Load	16-30 (4.9-9.1)																	
		31-45 (9.5-13.7)																	
	Heavy Load	46-60 (14-18.3)																	
		61-75 (18.6-22.9)																	
		76-90 (23.2-27.4)																	
		91-110 (27.7-33.5)																	
		111-130 (33.8-39.6)																	
		131-150 (39.9-45.7)																	
		151-175 (46-53.4)																	
		176-200 (53.7-61)																	
		201-225 (61.3-68.6)																	
		226-250 (68.9-76.2)																	
251-275 (76.5-83.8)																			

Note: Dimensions = in (mm)

4100 & 6200 SERIES: GEARMOTORS

LIGHT LOAD, FIXED SPEED

Chart 1		Parallel Shaft									
<ul style="list-style-type: none"> Sealed gearmotor Totally enclosed, non-ventilated Includes switch, cord and overload protection 		<ul style="list-style-type: none"> 115V, 1 Phase 230V, 3 Phase Non-reversing 60 Hz 									
Part Number	RPM	Gearmotor Type	Hp	kW	1 Phase			3 Phase			Starter Chart
					FLA	in.-lbs.	Nm	FLA	in.-lbs.	Nm	
62M036PL4(vp)F(N)	42	L	0.03	0.025	0.46	26	2.9	0.22	37.0	4.2	H
62M015PL4(vp)F(N)	100	L	0.03	0.025	0.46	12	1.4	0.22	16.8	1.9	H

(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 230V, 3 phase (n) = Reversing capability **N** = No reversing switch **R** = With reversing switch

Chart 2		CE Parallel Shaft							
<ul style="list-style-type: none"> Totally enclosed, fan cooled IP44 protection rating Non-reversing 		<ul style="list-style-type: none"> 50 Hz Order starter separately, see page 217 							
Part Number	RPM	Gearmotor Type	1Ph kW	1 Ph FLA	3Ph kW	3 Ph FLA	Nm	Starter Chart	
62Z028PL421FN	41	L	0.022	0.31	n/a	n/a	2.6	H	
62Z028PL4(vp)FN	41	L	n/a	n/a	0.020	0.22 / 0.13	3.5	H	
62Z008PL421FN	144	L	0.022	0.31	n/a	n/a	0.9	H	
62Z008PL4(vp)FN	144	L	n/a	n/a	0.020	0.22 / 0.13	1.2	H	

(vp) = Voltage and Phase 23 = 230V, 3 phase 43 = 400V, 3 phase

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

LIGHT LOAD, VARIABLE SPEED

Chart 3		Parallel Shaft							
<ul style="list-style-type: none"> 130 Volts DC Sealed gearmotor Totally enclosed, non-ventilated 		<ul style="list-style-type: none"> 300 - 2500 RPM motor Order controller separately, see pages 216 							
Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari - Speed Control Chart	
62M060PLD3DEN	42	V	0.06	0.04	0.48	65	7.3	A	
62M018PLD3DEN	139	V	0.06	0.04	0.48	21	2.4	A	

Chart 18		Parallel Shaft							
<ul style="list-style-type: none"> VFD Variable Speed 230V, 3 Phase, 10 to 60 Hz Totally enclosed, non-ventilated Order controller separately, see page 217 									
Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari - Speed Control Chart	
62M036PL423EN	42	L	0.03	0.025	0.22	37.0	4.2	E	
62M015PL423EN	100	L	0.03	0.025	0.22	16.8	1.9	E	

FLA = Full Load Amperes **Note:** 8" (203 mm) and wider conveyors with light load drives should be limited to 8' (2,438 mm) long.

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

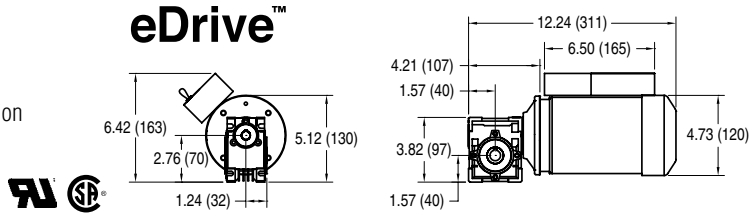
4100 & 6200 SERIES: GEARMOTORS

STANDARD LOAD, FIXED SPEED

Chart 4

90°

- Sealed gearmotor
- NEMA 42 CZ C Face
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 208-230/460V 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 217



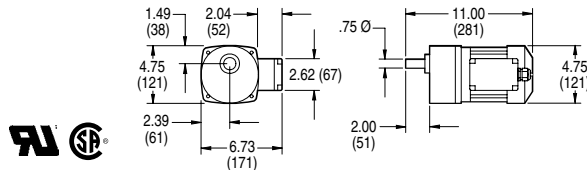
Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm	3 Phase Starter Chart
			Hp	kW	FLA	Hp	kW	FLA			
32M060EL4(vp)FN	29	S	0.25	0.19	5	0.25	0.19	1.2 / 0.6	226	25.5	L
32M040EL4(vp)FN	43	S	0.25	0.19	5	0.25	0.19	1.2 / 0.6	237	26.8	L
32M020EL4(vp)FN	86	S	0.25	0.19	5	0.25	0.19	1.2 / 0.6	142	16.0	L
32M010EL4(vp)FN	173	S	0.25	0.19	5	0.25	0.19	1.2 / 0.6	78	8.8	L
32M005EL4(vp)FN	345	S	0.25	0.19	5	0.25	0.19	1.2 / 0.6	41	4.6	L

(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 208 - 230 / 460V, 3 phase

Chart 5

Parallel Shaft

- Sealed gearmotor
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 230/460 Volts, 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 217



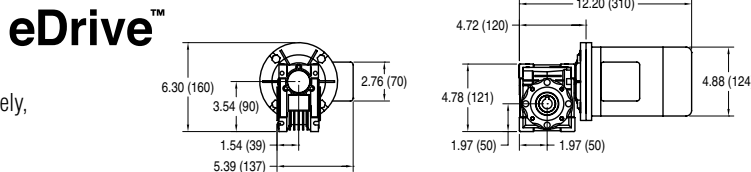
Part Number	RPM	Gearmotor Type	1 Phase				3 Phase				Nm	3 Phase Starter Chart
			Hp	kW	FLA	in.-lbs.	Hp	kW	FLA	in.-lbs.		
62M180PS4(vp)F(n)	10	S	0.08	0.06	1.2	341	0.17	0.13	1.0 / 0.5	341	38.5	L
62M060PS4(vp)F(n)	29	S	0.17	0.13	1.9	270	0.17	0.13	1.0 / 0.5	270	30.5	L
62M030PS4(vp)F(n)	58	S	0.17	0.13	1.9	135	0.38	0.28	1.9 / 0.95	250	15.3	M
62M020PS4(vp)F(n)	86	S	0.17	0.13	1.9	90	0.38	0.28	1.9 / 0.95	167	10.2	M
62M010PS4(vp)F(n)	173	S	0.17	0.13	1.9	45	0.38	0.28	1.9 / 0.95	115	5.1	M
62M005PS4(vp)F(n)	345	S	0.17	0.13	1.9	25	0.38	0.28	1.9 / 0.95	58	2.8	M

(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 230/460V, 3 phase
(n) = Reversing Capability N = No reversing switch R = With reversing switch (115V, 1 phase only)

Chart 6

CE 90°

- Sealed gearmotor
- IEC 63 B5 C Face
- IP 55 protection rating
- Totally enclosed, fan cooled
- Non-reversing
- 50 Hz
- Order starter separately, see page 217



Part Number	RPM	Gearmotor Type	1Ph kW	1 Ph FLA	3 Ph kW	3 Ph FLA	Nm	Starter Chart
62Z060ES4(vp)FN	23	S	0.18	1.6	0.18	1.4 / 0.8	26.4	I
62Z040ES4(vp)FN	35	S	0.18	1.6	0.18	1.4 / 0.8	28.9	I
62Z020ES4(vp)FN	70	S	0.18	1.6	0.18	1.4 / 0.8	19.4	I
62Z010ES4(vp)FN	140	S	0.18	1.6	0.18	1.4 / 0.8	10.7	I
62Z005ES4(vp)FN	280	S	0.18	1.6	0.18	1.4 / 0.8	5.6	I

(vp) = Voltage and Phase 21 = 230V, 1 phase
23 = 230V, 3 phase 43 = 400V, 3 phase

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

FLA = Full Load Amperes Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures.

Note: Dimensions = in (mm)

STANDARD LOAD, VARIABLE SPEED

Chart 7 90°

- 130 Volts DC
- Sealed gearmotor
- NEMA 42 CZ C Face
- Totally enclosed, fan cooled
- 300 - 2500 RPM motor
- Order controller separately, see page 216

Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari-Speed Control Chart
22M060ESD3DEN	42	S	0.33	0.25	2.3	198	22.4	A
22M040ESD3DEN	63	S	0.33	0.25	2.3	163	18.4	A
22M020ESD3DEN	125	S	0.33	0.25	2.3	98	11.1	A
22M010ESD3DEN	250	S	0.33	0.25	2.3	54	6.1	A
22M005ESD3DEN	500	S	0.33	0.25	2.3	28	3.2	A

Chart 8 90°

- Variable frequency drive, 6 - 60 Hz
- Sealed gearmotor
- NEMA 56C C Face
- Totally enclosed, fan cooled
- 230/460 Volts, 3 phase
- Order controller separately, see pages 216 & 217

eDrive™

Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm*	Vari-Speed Control Chart
32M060EL423EN	29	K	0.5**	0.37	1.6 / 0.97	226	25.5	D and E
32M040EL423EN	43	K	0.5**	0.37	1.6 / 0.97	237	86.8	D and E
32M020EL423EN	86	K	0.5**	0.37	1.6 / 0.97	142	16.0	D and E
32M010EL423EN	173	K	0.5**	0.37	1.6 / 0.97	78	8.8	D and E
32M005EL423EN	345	K	0.5**	0.37	1.6 / 0.97	41	4.6	D and E

* = At 60 Hz ** = Motor de-rated to 0.25 Hp for full torque throughout speed range.

Chart 9 CE 90°

- Variable frequency drive, 25-63 Hz
- Sealed gearmotor
- IEC 63 B5 C Face
- IP 55 protection rating
- Totally enclosed, fan cooled
- 230/400 Volts, 3 phase
- Order controller separately, see page 216

eDrive™

Part Number	RPM	Gearmotor Type	3 Ph kW	3 Ph FLA	Nm*	Vari-Speed Control Chart
62Z060ES423EN	23	S	0.18	1.4	26.4	B
62Z040ES423EN	35	S	0.18	1.4	28.9	B
62Z020ES423EN	70	S	0.18	1.4	19.4	B
62Z010ES423EN	140	S	0.18	1.4	10.7	B
62Z005ES423EN	280	S	0.18	1.4	5.6	B

* = At 50 Hz

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

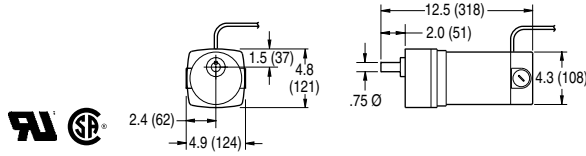
FLA = Full Load Amperes Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures.
Note: Dimensions = in (mm)

4100 & 6200 SERIES: GEARMOTORS

STANDARD LOAD, VARIABLE SPEED

Chart 10 Parallel Shaft

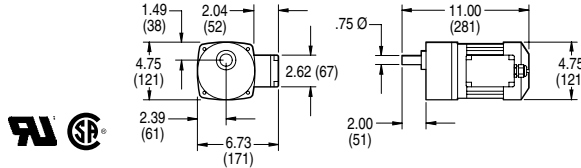
- 130 Volts DC
- Sealed gearmotor
- Totally enclosed, non-ventilated
- 300 - 2500 RPM motor
- Order controller separately, see page 216



Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari - Speed Control Chart
62M180PSD3DEN	14	S	0.12	0.09	1.0	341	38.5	A
62M060PSD3DEN	42	S	0.25	0.19	1.8	270	30.5	A
62M030PSD3DEN	83	S	0.25	0.19	1.8	135	15.3	A
62M020PSD3DEN	125	S	0.25	0.19	1.8	90	10.2	A
62M010PSD3DEN	250	S	0.33	0.25	2.3	72	8.1	A
62M005PSD3DEN	500	S	0.25	0.19	1.8	25	2.8	A

Chart 11 Parallel Shaft

- Variable frequency drive, 10 to 60 Hz
- Sealed gearmotor
- Totally enclosed, fan cooled
- 230/460 Volts / 3 Phase, VFD duty
- Order controller separately, see pages 216 & 217



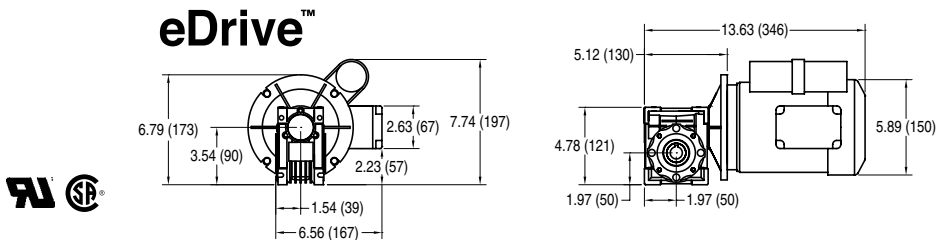
Part Number	RPM*	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari - Speed Control Chart
62M180PS423EN	10	S	0.17	0.13	1.0 / 0.5	341	38.5	D and E
62M060PS423EN	29	S	0.17	0.13	1.0 / 0.5	270	30.5	D and E
62M030PS423EN	58	S	0.38	0.28	1.9 / 0.95	250	28.3	D and E
62M020PS423EN	86	S	0.38	0.28	1.9 / 0.95	167	18.9	D and E
62M010PS423EN	173	S	0.38	0.28	1.9 / 0.95	115	13.0	D and E
62M005PS423EN	345	S	0.38	0.28	1.9 / 0.95	58	6.5	D and E

* = At 60 Hz

HEAVY LOAD, FIXED SPEED

Chart 12 90°

- Sealed gearmotor
- NEMA 56 C Face
- Totally enclosed, fan cooled
- 115V 1 phase includes switch, cord and overload protection
- 208-230/460 Volts, 3 phase wiring by others
- 60 Hz
- Order 3 phase starter separately, see page 217



Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm	3 Phase Starter Chart
			Hp	kW	FLA	Hp	kW	FLA			
32M060ES4(vp)FN	29	H	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	226	25.5	M
32M040ES4(vp)FN	43	H	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	247	27.9	M
32M020ES4(vp)FN	86	H	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	248	27.9	M
32M010ES4(vp)FN	173	H	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	156	17.6	M
32M005ES4(vp)FN	345	H	0.5	0.37	7.4	0.5	0.37	2.1-2 / 1.0	81	9.1	M

(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 208 - 230 / 460V, 3 phase

FLA = Full Load Amperes Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures.
Note: Dimensions = in (mm)

HEAVY LOAD, VARIABLE SPEED

Chart 14 90°

- 90V DC
- Sealed gearmotor
- NEMA 56 C Face
- Totally enclosed, fan cooled
- 300 - 2500 RPM motor
- Order controller separately, see page 216

eDrive™

Technical drawings showing front and side views of the gearmotor with dimensions in inches (mm):

- Front View Dimensions: 6.85 (174), 3.54 (90), 1.54 (39), 5.92 (150), 2.75 (70), 2.17 (55)
- Side View Dimensions: 5.12 (130), 14.83 (377), 4.78 (121), 6.20 (157), 1.97 (50)

Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari - Speed Control Chart
32M060ESD9DEN	42	H	0.5	0.37	5.0	198	22.4	C
32M040ESD9DEN	63	H	0.5	0.37	5.0	215	24.3	C
32M020ESD9DEN	125	H	0.5	0.37	5.0	196	22.1	C
62M010EHD9DEN	250	H	0.75	0.50	7.5	108	12.2	C
62M005EHD9DEN	500	H	0.75	0.50	7.5	56	6.3	C

Chart 15 90°

- Variable frequency drive, 6 - 60 Hz
- Sealed gearmotor
- NEMA 56 C Face
- Totally enclosed, fan cooled
- 230/460 Volts, 3 Phase
- Order controller separately, see pages 216 & 217

eDrive™

Technical drawings showing front and side views of the gearmotor with dimensions in inches (mm):

- Front View Dimensions: 4.59 (116), 6.79 (173), 3.54 (90), 1.54 (39), 8.92 (227)
- Side View Dimensions: 5.12 (130), 14.89 (378), 4.13 (105), 4.78 (121), 6.00 (152), 1.97 (50)

Part Number	RPM*	Gearmotor Type	3 Ph Hp	3 Ph kW	3 Ph FLA	in.-lbs.*	Nm*	Vari - Speed Control Chart
32M060ES423EN	29	H	0.75**	0.55	2.6 / 1.3	226	25.5	D and E
32M040ES423EN	43	H	0.75**	0.55	2.6 / 1.3	247	27.9	D and E
32M020ES423EN	86	H	0.75**	0.55	2.6 / 1.3	248	27.9	D and E
32M010ES423EN	173	H	0.75**	0.55	2.6 / 1.3	156	17.6	D and E
32M005ES423EN	345	H	0.75**	0.55	2.6 / 1.3	81	9.1	D and E

* = At 60 Hz ** = Motor de-rated to 0.5 Hp (2.1 / 1.1 amp) for full torque throughout the speed range.

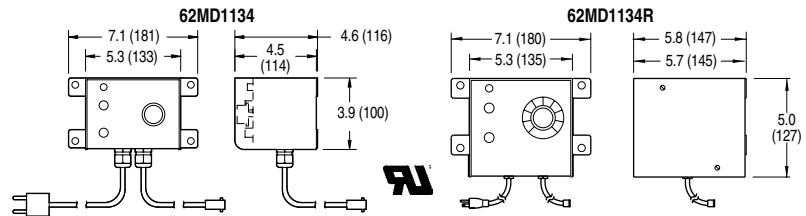
FLA = Full Load Amperes Note: Dimensions = in (mm)

4100 & 6200 SERIES: VARIABLE SPEED CONTROLLERS

VARIABLE SPEED CONTROLLERS

Chart A

- PWM DC control
- Nema 1 enclosure
- Line cord and motor cord
- On/Off switch for 62MD1134
- Forward/Off/Reverse switch for 62MD1134R
- Speed potentiometer
- Mounting hardware



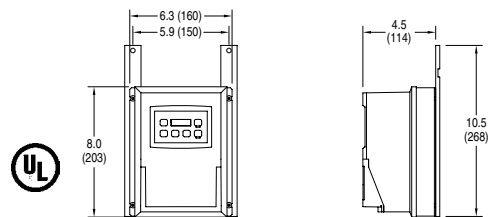
* = See FLA from motor charts

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Max Amps*	Reversing
62MD1134	115	1	60	130VDC	3.2	No
62MD1134R	115	1	60	130VDC	5.0	Yes

Chart B



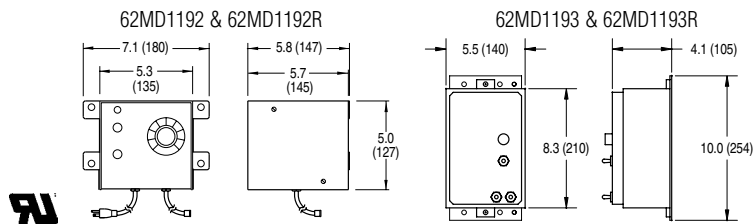
- VFD control
- IP 65 enclosure
- EMC filter
- Mounting hardware
- Variable speed
- Line cord and motor cord
- Motor cord only on 460V



Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Kw*	Max Amps	Reversing
62UV2121	230	1	50	230	3	0.75	4.2	Yes
62UV4341	400	3	50	400	3	0.75	2.1	Yes

Chart C

- PWM DC control
- NEMA 1 enclosure
- Line cord and motor cord
- On/Off switch for 62MD1192 & 62MD1193
- Forward/Off/Reverse switch for 62MD1192R & 62MD1193R
- Speed potentiometer
- Mounting hardware

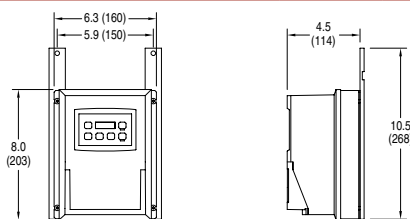


* = See FLA from motor charts

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Max Amps*	Reversing
62MD1192	115	1	60	90VDC	5.0	No
62MD1192R	115	1	60	90VDC	5.0	Yes
62MD1193	115	1	60	90VDC	7.5	No
62MD1193R	115	1	60	90VDC	7.5	Yes

Chart D

- Full feature VFD control
- NEMA 4 enclosure
- Digital display
- Keypad with Start/Stop, Forward/Reverse and speed variations
- Includes cord to motor
- Power to controller by others
- 32MV1122 includes line cord to controller
- Mounting hardware



* = See FLA from motor charts

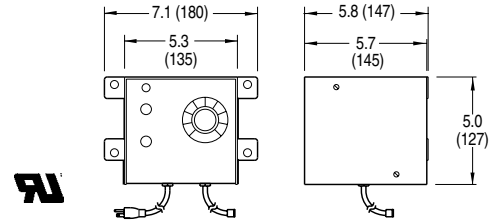
Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Hp	Output Amps*	Reversing
32MV1122	115	1	60	230	3	0.5	2.2	Yes
32MV2122	230	1	60	230	3	0.5	2.2	Yes
32MV1121	115	1	60	230	3	1.0	4.0	Yes
32MV2121	230	1	60	230	3	1.0	4.0	Yes
32MV2127	230	1	60	230	3	2.0	6.8	Yes
32MV2322	230	3	60	230	3	0.5	2.2	Yes
32MV2327	230	3	60	230	3	2.0	6.8	Yes
32MV4341	460	3	60	460	3	1.0	2.0	Yes
32MV4347	460	3	60	460	3	2.0	3.4	Yes

4100 & 6200 SERIES: MANUAL MOTOR STARTERS

VARIABLE SPEED CONTROLLERS

Chart E

- VFD control
- Nema 1 enclosure
- Line cord and motor cord
- On/Off switch
- Speed potentiometer
- Mounting hardware
- Forward/Reverse switch



Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Output Phase	Max Hp	Max Amps*	Reversing
62MV1122B	115	1	60	230	3	0.5	2.4	No
62MV1122BR	115	1	60	230	3	0.5	2.4	Yes

MANUAL MOTOR STARTERS

Manual motor starts are manual electronic disconnects that provide motor overload protection and are required by the National Electric Code (NEC) for safe motor operation.

- IP 55 Enclosure
- Push button Start / Stop
- Includes mounting hardware

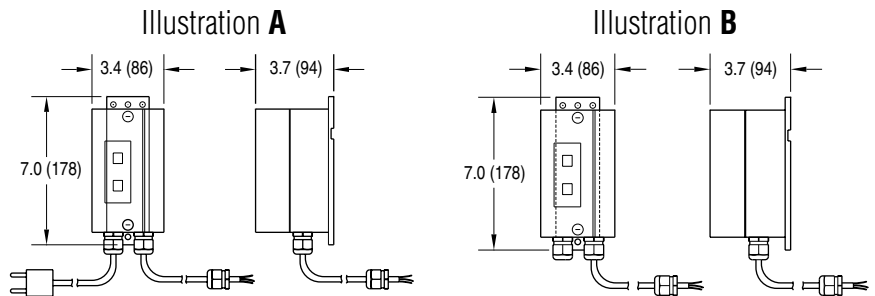


Chart H CE

- 230V, 1 phase includes cord, plug & starter
- 230/400V, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 50 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M21H	230	1	0.25 - 0.4	A
62(c)M23H	230	3	0.16 - 0.25	B
62(c)M43H	400	3	0.1 - 0.16	B

Chart I CE

- 230V, 1 phase includes cord, plug and starter
- 230/400V, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 50 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M21T	230	1	1.6 - 2.5	A
62(c)M23T	230	3	1.0 - 1.6	B
62(c)M43T	400	3	0.63 - 1.0	B

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with NEC and CE safety directive.

(c) = Electrical Configuration G = CE German
F = CE French U = CE Great Britain

Chart L

- 230/460V, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23L	230	3	1.0 - 1.6	B
62MM43L	460	3	0.4 - 0.63	B
62MM23H	230	3	0.16 - 0.25	B

Chart M

- 230/460V, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23M	208 - 230	3	1.6 - 2.5	B
62MM43M	460	3	1.0 - 1.6	B

Note: Dimensions = in (mm)

4100 & 6200 SERIES: SUPPORT STANDS

QUANTITY CHARTS

Support Stand Quantity Chart

Conveyor Length	# of Supports
2' (610) - 4' (1,219)	1*
2' (610) - 6' (1,829)	2
7' (2,134) - 12' (3,658)	3

* End Drive Conveyors with Single-Post Support Stands only. Requires the use of diagonal bracing, see page 222. Heavy load gearmotors require a minimum of two stands to support conveyor and gearmotor package.

Required Return Roller Quantity Chart

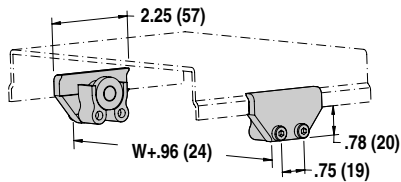
Max feet between return rollers								
Conveyor Width	1.75"	2.75"	3.75"	5"	6"	8"	10"	12"
Flat Belt	8.75	8.5	7.5	7.25	7.0	6.75	6.5	6.0
Cleated Belt	5.75	5.5	5.25	5.0	4.75	4.5	4.25	4.0

Quantity of return rollers required = whole number result of: $\frac{\text{conveyor length in feet}}{\text{max distance between return rollers}}$

Example Description: 6200 cleated belt 12" wide x 11' long $\frac{11'}{4} = 2.75$ **2 return rollers required**

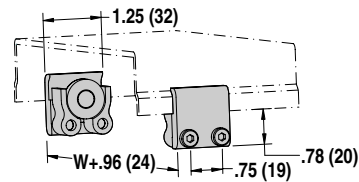
RETURN ROLLERS

Cleated Belt Return Roller



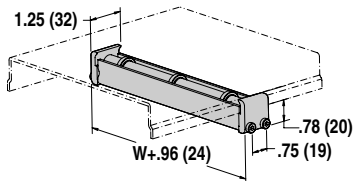
Part Number	Description
490856	Return Roller for 6200 Series, Cleated Belt

Flat Belt Return Roller for 2" to 6" Wide Conveyors



Part Number	Description
490830	Return Roller for 6200 Series 2" (44 mm) to 6" (152 mm) wide Flat Belt Conveyor

Flat Belt Return Roller for 8" to 12" Wide Conveyors



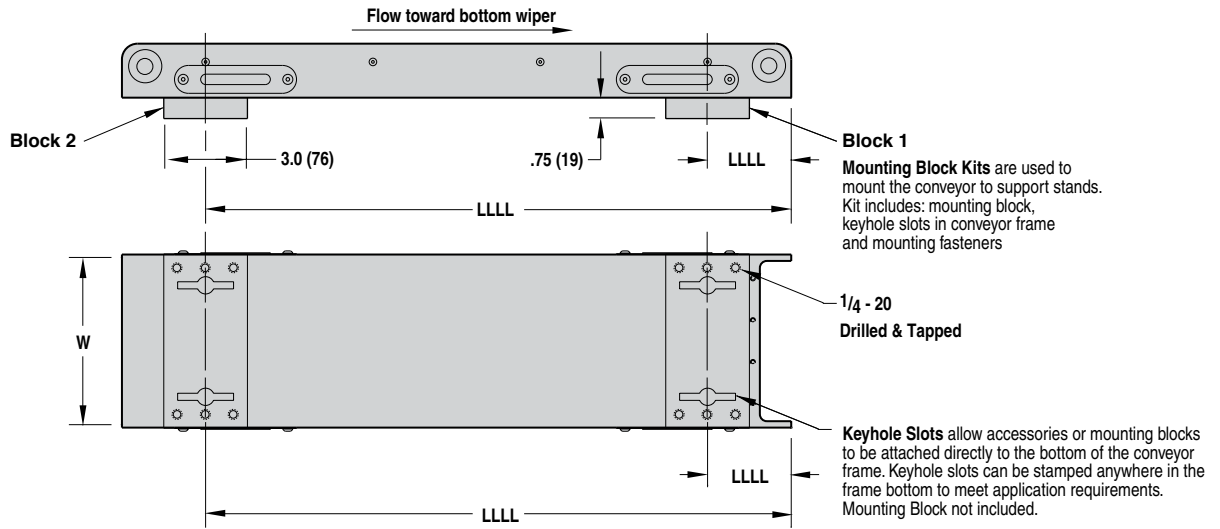
Part Number	Description
4949WW	Return Roller for 6200 Series, 8" (203 mm) to 12" (305 mm) wide flat belt conveyor

WW = Conveyor Width (08, 10, 12)

Note: Dimensions = in (mm)

4100 & 6200 SERIES: SUPPORT STANDS

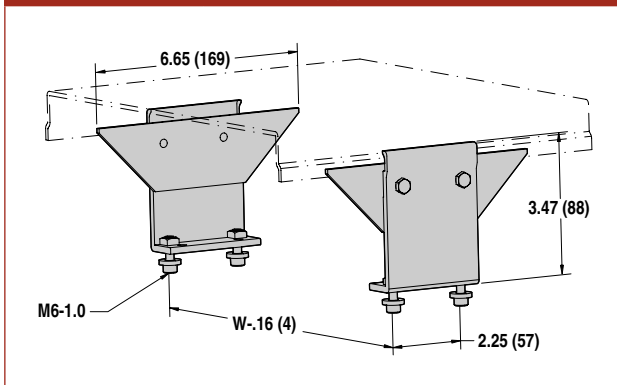
4100 SERIES MOUNTING BRACKETS



For ordering information, see page 132

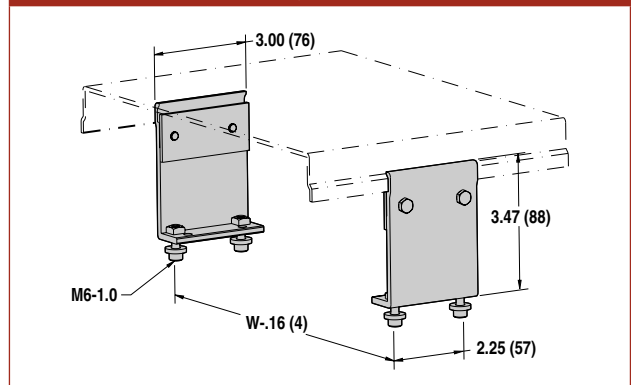
6200 SERIES MOUNTING BRACKETS

Cleated Belt Stand Mounting Bracket



Part Number	Description
450585	Stand Mounting Bracket, Cleated Belt Conveyor

Flat Belt Stand Mounting Bracket



Part Number	Description
450587	Stand Mounting Bracket, Flat Belt Conveyor

Note: Conveyors can be ordered with the required number of mounting brackets. If desired, order additional mounting brackets separately.

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

4100 & 6200 SERIES: SUPPORT STANDS

FIXED HEIGHT SUPPORT STANDS

Fixed Foot Model

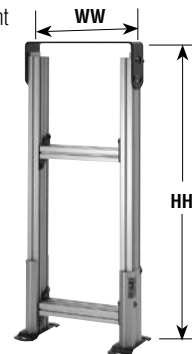
Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	15" - 19" (381 - 483mm)	in 1" (25mm) increments up to...	95" - 99" (2,413 - 2,515mm)
Part # Reference	1519	in 0101 increments up to...	9599

Swivel Locking Caster Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	20" - 24" (508 - 610mm)	in 1" (25mm) increments up to...	68" - 72" (1,727 - 1,829mm)
Part # Reference	2024	in 0101 increments up to...	6872

- Metric fasteners
- 4" (102 mm) Height Adjustment

* Dependent on stand width, stands over 42" (1,067 mm) may include outriggers (see page 222)



Full width is top plate on 12" wide stands only

ADJUSTABLE HEIGHT SUPPORT STANDS

Fixed Foot Model

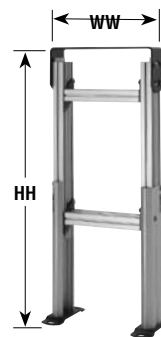
Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...						48" (1,219mm)			
Part # Reference	12	in 02 increments up to...						48			
Stand Height (HH)	12-13" (305-330)	13-15" (330-381)	14-17" (356-432)	16-21" (406-660)	19-26" (483-686)	24-36" (610-914)	30-48" (762-1,219)	42-60"* (1,067-1,524)	54-72"* (1,372-1,829)	66-84"* (1,676-2,134)	78-96"* (1,981-2,438)
Part # Reference	1213	1315	1417	1621	1926	2436	3048	4260	5472	6684	7896

Swivel Locking Caster Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...						48" (1,219mm)			
Part # Reference	12	in 02 increments up to...						48			
Stand Height (HH)	17-18" (432-457)	18-20" (457-508)	19-22" (483-559)	21-26" (533-660)	24-31" (610-787)	29-41" (737-1,041)	35-53" (762-1,346)	47-65"* (1,194-1,651)	59-77"* (1,499-1,956)		
Part # Reference	1718	1820	1922	2126	2431	2941	3553	4765	5977		

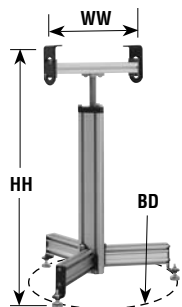
- Metric fasteners

* Dependent on stand width, stands over 42" (1,067 mm) may include outriggers (see page 222)

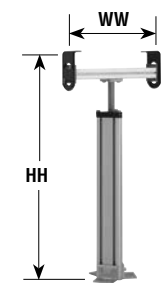


Full width is top plate on 12" wide stands only

SINGLE POST & PILLAR SUPPORT STANDS



Single Post Support Stand



Pillar Stand (must be secured to floor)

Standard Sizes

Stand Width (WW)	1.75" (44)	2.75" (70)	3.75" (95)	5" (127)	6" (152)	8" (203)	10" (254)	12" (305)	14" (356)	16" (406)	18" (457)
Part # Reference	02	03	04	05	06	08	10	12	14	16	18
Stand Height (HH)*	16-26" (406-660)		24-34" (610-864)		32-42" (813-1,067)		40-50" (1,016-1,270)		48-58" (1,219-1,473)		
Part # Reference	16		24		32		40		48		
Base Diameter (BD)	24" (610)		27" (686)		30" (762)		33" (838)		36" (915)		

- Casters do not change overall height
- Metric fasteners

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 227

4100 & 6200 SERIES: SUPPORT STANDS

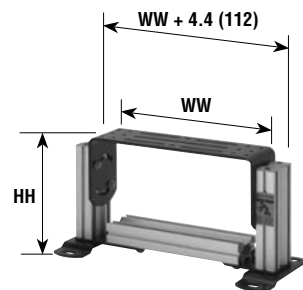
SHORT SUPPORT STANDS

Fixed Foot Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	06" - 08" (152 - 203mm)	in 1" (25mm) increments up to...	12" - 14" (305 - 356mm)
Part # Reference	0608	in 0101 increments up to...	1214

Swivel Locking Caster Model

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	11" - 13" (279 - 330mm)	in 1" (25mm) increments up to...	17" - 19" (305 - 483mm)
Part # Reference	1113	in 0101 increments up to...	1719

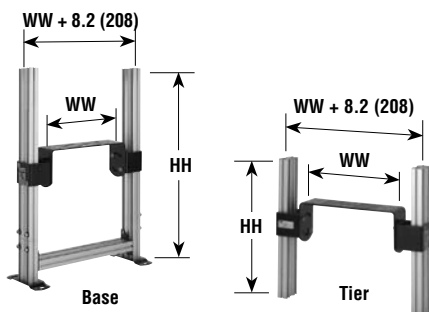


Full width is top plate on 12" wide stands only

MULTI TIER STANDS

Minimum Tier Height Per Conveyor

Flat Belt	12" (305mm)
Cleated Belt	15" (381mm)



Full width is top plate on 12" wide stands only

Base

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	12" (305mm)	2" (51mm) increments up to...	60" (1,524mm)
Part # Reference	1212	in 0002 increments up to...	1260

Tier

Stand Width (WW)	12" (305mm)	2" (51mm) increments up to...	48" (1,219mm)
Part # Reference	12	in 02 increments up to...	48
Stand Height (HH)*	12" (305mm)	1" (25mm) increments up to...	36" (914mm)
Part # Reference	0712	in 0002 increments up to...	0736

Note: Do not use with support stands equipped with casters. Support Stands must be anchored to the floor. Do not use if conveyed product overhangs the edge of the conveyor belt due to pinch point created.

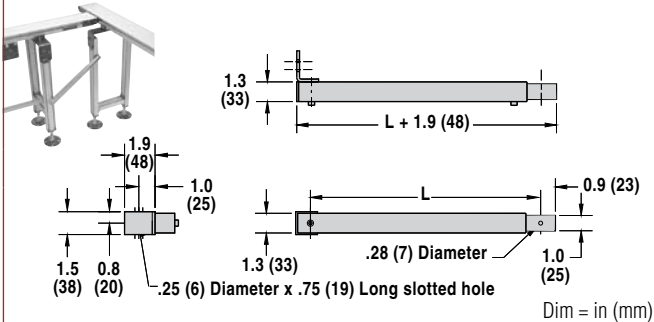
Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 227

4100 & 6200 SERIES: SUPPORT STANDS

STAND ACCESSORIES

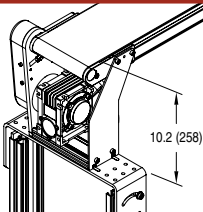
Adjustable Tie Bracket



- Compatible with steel and aluminum support stands
- Secure critical stand and conveyor locations
- Length (L) adjusts + 0", - 11.25" (286 mm)
- Includes metric mounting hardware

Part Number	Description
27M400-02	Adjustable Tie Bracket, 2' (610 mm)
27M400-03	Adjustable Tie Bracket, 3' (914 mm)
27M400-04	Adjustable Tie Bracket, 4' (1,219 mm)
27M400-05	Adjustable Tie Bracket, 5' (1,524 mm)
27M400-06	Adjustable Tie Bracket, 6' (1,829 mm)

Bottom Mount Stand Bracket



- Bolts to 90° standard load gearmotor
- Includes metric mounting hardware
- Provides a 10.2" (258) T.O.B. Height

Part Number	Description
202306-02	"L" Bracket only for 2" to 5" wide conveyors
202306-WW	Bracket Assembly, 06 and wider 6200 conveyors

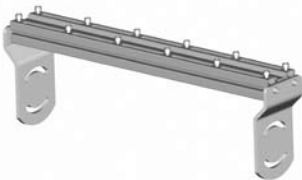
Diagonal Bracing (6200 Series Only)



- For use on steel, aluminum and single post support stands with casters
- Metric fastener mounting hardware included
- For use on all stands with casters and any stands over 72" (1,829 mm) tall
- One brace per stand for conveyors up to 24" wide (610 mm)
- Two braces per stand for conveyors over 24" wide (610 mm)

Part Number	Description
39MB-RS	for two-legged H style stands up to 30" tall (762 mm)
39MB-RT	for two-legged H style stands over 30" tall (762 mm)
39MB-PT	for Single Post and Pillar stands over 30" tall (762 mm)

Common Mount Kit



- Stand accessory for mounting multiple conveyors in parallel to one stand
- Adds 2" (51 mm) to stand height
- Adds 2.79" (71 mm) to overall stand width

For ordering information, see page 226

Tall Support Stands



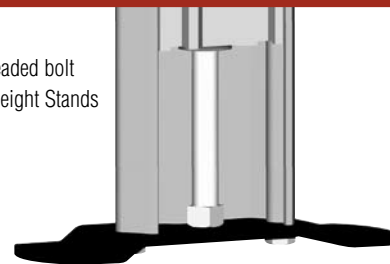
Tall Stands are the Fixed Height and Adjustable Height Stands as shown with additional outrigger support for added stability. These outriggers are required when the height of the stand exceeds 3.5x its width, and they add 16" to stand width. Tall stands over 6' tall include diagonal bracing.

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

Outriggers

Fine Adjustment Kit

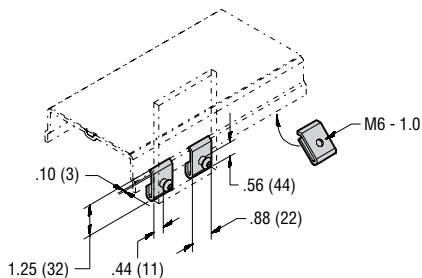
- Provides fine height adjustment via a threaded bolt
- For use with Fixed Height Stands



Part # 710028

HARDWARE ACCESSORIES

Mounting Clips

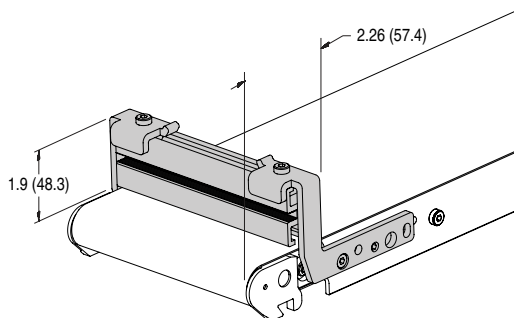


- For easy mounting of light weight accessories
- Fasteners not included

Part Number	Description
450186M	6200 Series Mounting Clip

STOPS

End Stop*



- Includes metric mounting hardware

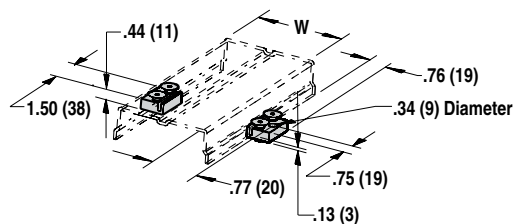
Part Number	Description
4555WW	6200 Series End Stop

WW = Conveyor Width Reference

* Not compatible with high friction belts

BRACKETS

Table Top Mounting Bracket



- Includes metric mounting hardware

Part Number	Description
493001M	6200 Series table top bracket

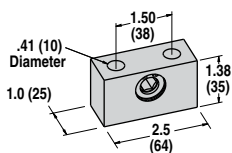
Note: If the discharge end of conveyor is mounted over a table or similar structure, a conveyor bottom wiper must be installed to prevent against possible pinch point. Order bottom wiper separately.

Note: Dimensions = in (mm)

4100 & 6200 SERIES: ACCESSORIES

DRIVE SHAFT ACCESSORIES

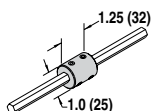
Support Block



- For 4100 and 6200 Series Gang Drive Conveyors

Part Number	Description
43-33	Support Block, 0.38" Hex Shaft

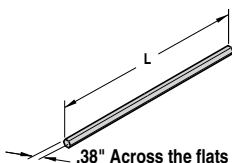
Solid Coupling, Hex to Hex



- Includes metric set screws

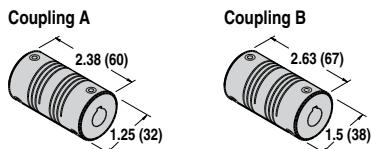
Part Number	Description
210064M	Solid Coupling, 0.38" Hex to Hex

Hex Shaft



Part Number	Description
23-24SS	0.38" Hex Shaft, stainless steel, 48" (1,219 mm) long
631418	0.38" Hex Shaft, stainless steel, 72" (1,829 mm) long

Flexible Coupling



- (A) Includes SAE set screws, (B) metric set screws

Part Number	Description	Coupling
23-27	Flexible Coupling, 0.50" bore x 0.38" hex	A
23-28	Flexible Coupling, 0.063" bore x 0.38" hex	A
23M29	Flexible Coupling, 12 mm bore x 0.38" hex	B
23M30	Flexible Coupling, 19 mm bore x 0.38" hex	A
23M31	Flexible Coupling, 12 mm bore x 12 mm bore	B

Clear Cover



- Fits 4100 and 6200 light load top mount and standard and heavy load top and bottom non-cleated mount packages

Part Number	Description
689499M	Clear cover, ordered separately

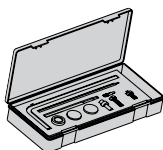
SERVICE ACCESSORIES

Grease Adapter



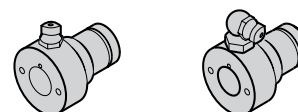
Part Number	Description
45-12	Adapter, 4100 Series
200046M	Adapter, 6200 Series Gang Drive

Tool Kit



Part Number	Description
4500	Tool Kit, 4100 Series
6500M	Tool Kit, 6200 Series

Grease Sleeves



Part Number	Description
622223	Sleeve, 4100 Series, Straight
618898	Sleeve, 4100 Series, 90°
200398M	Sleeve, 6200 Series, Gang Drive Straight, 90°
200399M	Sleeve, 6200 Series, Gang Drive Straight

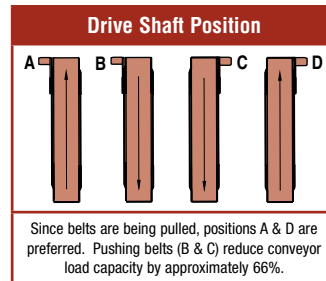
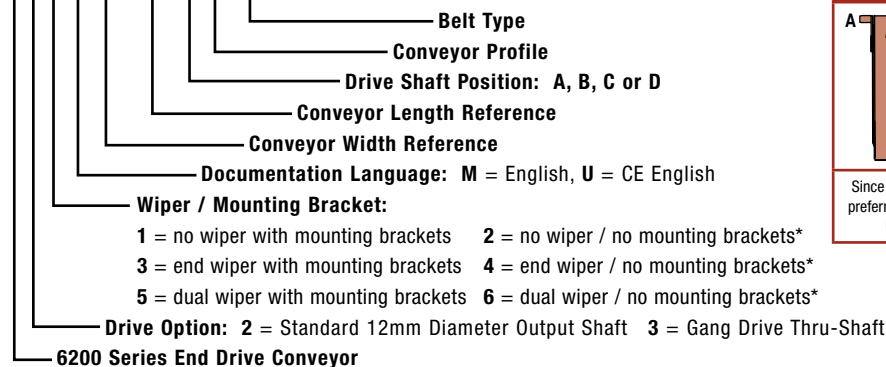
Note: Dimensions = in (mm)

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

6200 SERIES: PART NUMBER REFERENCE

6200 SERIES: END DRIVE CONVEYOR

6 2 2 M 08 1000 D 01 02



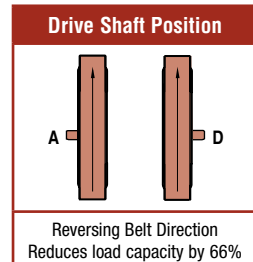
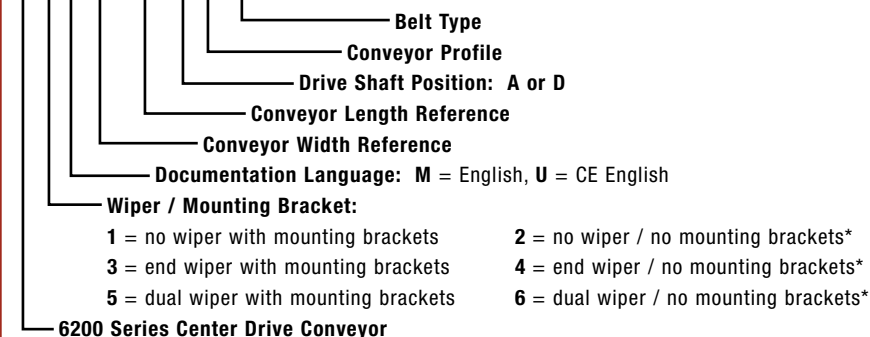
*may require belt return rollers

Example: 622M081000D0102

Description: 6200 Series end drive conveyor with standard drive shaft in the D position, 8" (203) wide x 10' (3,048) long, low side profile, general purpose belt and English documentation.

6200 SERIES: CENTER DRIVE CONVEYOR

65 2 M 08 1000 A 01 02



*may require belt return rollers

Example: 652M081000D0102

Description: 6200 Series center drive conveyor with standard drive shaft in the D position, 8" (203) wide x 10' (3,048) long, low side profile, general purpose belt and English documentation.

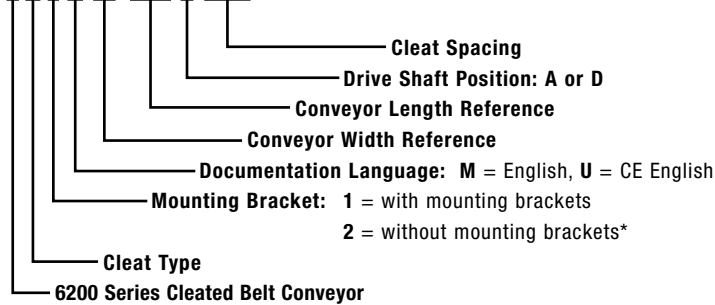
These reference charts are only provided as a reference and is not intended to be used for the construction of complete part numbers for order placing. Dorner has a full network of trained Distributors and sales staff equipped with our configuring / pricing software who are able to provide complete and accurate quotes for all standard products in a matter of minutes.

For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

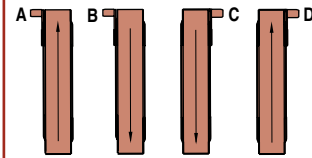
6200 SERIES: PART NUMBER REFERENCE

6200 SERIES: CLEATED BELT END DRIVE CONVEYOR

6 A 1 M 08 1000 D 0603



Drive Shaft Position



Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.

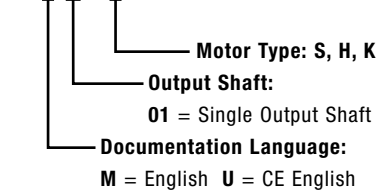
*may require belt return rollers

Example: 6A1M081000D0603

Description: 6200 Series cleated belt end drive conveyor with standard drive shaft in the D position, 8" (203) wide x 10' (3,048) long, low side profile, general purpose belt and English documentation.

6200 SERIES: GANG DRIVE

63 M 01 E S



Example: 63M01

Description: Gang drive mounting package with English documentation.

6200 SERIES: COMMON MOUNT KIT

39MCM WW - #



These reference charts are only provided as a reference and is not intended to be used for the construction of complete part numbers for order placing. Dorner has a full network of trained Distributors and sales staff equipped with our configuring / pricing software who are able to provide complete and accurate quotes for all standard products in a matter of minutes.

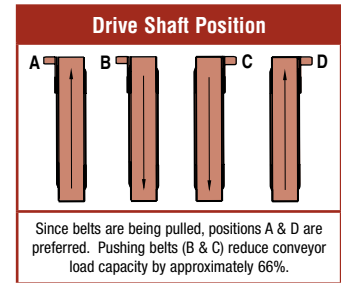
For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

6200 SERIES: PART NUMBER REFERENCE

6200 SERIES: END DRIVE MOUNTING PACKAGES

6 M B P S 06 A - 2828

Drive / Driven Pulley Combination
 (Top and Bottom mounts only)
Belt Style: "-" = Flat Belt or add Cleat Type:
 A, B, C, F, G, H, J, V
Gearmotor Mounting Position: A, B, C, D
Conveyor Width Reference
Gearmotor Type: L, V, S, H, K
Gearmotor Output Shaft: P = Parallel Shaft or E = eDrive™
Mount Style: S = Side Mount, B = Bottom Mount, T = Top Mount
Documentation Language: M = English, G = CE German, U = CE English
Conveyor Series: 41 = 4100 End Drive 6 = 6200 End Drive (Non-Gang Drive)



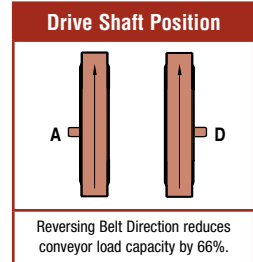
Example: 6MBPS06A-2828

Description: Bottom mount package with English documentation for 6" (152) wide 6200 series end drive conveyor. Configured for a parallel shaft, Standard load motor in the A1 mount position with a 28:28 drive / driven pulley combination.

6200 SERIES: CENTER DRIVE MOUNTING PACKAGES

6 M 2 P S 06 A - 3232

Drive / Driven Pulley Combination
Mount Position: A or D
Conveyor Width Reference
Gearmotor Type: S, H, K
Gearmotor Output Shaft: P = Parallel Shaft E = eDrive™
Mount Style: 1 = Type 1, Vertical Mount 2 = Type 2, Horizontal Mount
Documentation Language: M = English, G = CE German, U = CE English
Conveyor Series: 6 = 6200 Center Drive



Example: 6M2PS06A-3232

Description: 6200 Series Horizontal Center Drive Mounting Package with English documentation for a parallel shaft standard load gearmotor mounted in the A position, with a 32:32 drive / driven pulley combination, on a 6" (152) wide conveyor.

4100 & 6200 SERIES: SUPPORT STANDS

S 9 M TT WW - HH(min) HH(max) F A

Feet or Casters (not available for multi tier stands)
 F = fixed foot pad C = total lock swivel caster
Height Reference
Width Reference
Stand Type
 LH = short stand FH = fixed height AH = adjustable height
 T1 = multi tier stand base T2 = multi tier stand tier FT = tall fixed* AT = tall adjustable*
 SP = single post PS = pillar support
Documentation Language: M = English
Stand Style: 3 = 2-legged stand 4 = Single post or pillar style

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability is final setup of the responsibility of the end user.

EXAMPLE: 39MAH12-2126CP

*Tall stands are required when the stand width is 3.5 times the stand height.

These reference charts are only provided as a reference and is not intended to be used for the construction of complete part numbers for order placing. Dorner has a full network of trained Distributors and sales staff equipped with our configuring / pricing software who are able to provide complete and accurate quotes for all standard products in a matter of minutes.

For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

AQUAGARD® SERIES

7200/7300 SANITARY CONVEYORS
STAINLESS STEEL

*Aqua***Gard**®



General Specifications:

- Flat and Cleated Belt
- Widths: 1.75" (44 mm) to 18" (457 mm)
- Lengths: 2' (610 mm) to 18' (5,486 mm)
- Loads up to 60 lbs (27 kg)
- **CE** models available

Applications:

- Part Accumulation
- Small Part Transfers
- Wash Down and Clean Rooms
- Small Part Handling and Positioning
- Part/Package Infeed and Outfeed
- Automated and Manual Assembly



**V-Guided
Belts**



**Quick Release Rack
and Pinion Tension**



**High Pressure
Bearing Options**



7200 & 7300 FLAT BELT END DRIVE **230**

7200 & 7300 CLEATED BELT END DRIVE **232**

PROFILES **234**

BELTING **235**

GEARMOTOR MOUNTING PACKAGES **238**

GEARMOTORS **242**

SUPPORT STANDS **247**

ACCESSORIES **248**

PART NUMBER REFERENCE **249**

AquaGard® 7200 & 7300 SERIES: FLAT BELT END DRIVE



Specifications:

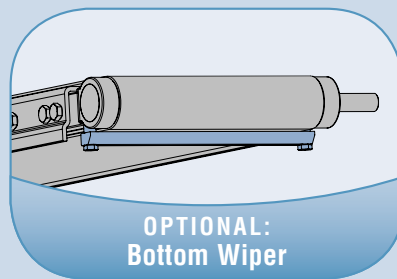
- Loads up to 60 lbs* (27 kg)
- Belt speeds up to 264 ft/min (81 m/min)
- Belt widths: 1.75" (44 mm) to 18" (457 mm)
- Conveyor lengths: 2' (610 mm) to 18' (5,486 mm)
- 11 gauge stainless steel roll formed frame
- Complete stainless steel construction
- 1.25" (32 mm) diameter drive pulley turns approximately 4.25" (108 mm) of belt per revolution
- 1.5" (38 mm) bottom of frame to top of belt
- Self-aligning stainless steel sealed bearings with FDA approved solid lubricant
- Washdown rated gearmotors and controls
- CE models available



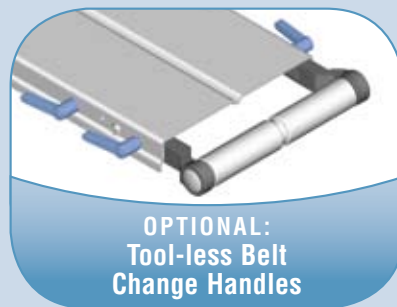
* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

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
- Optional 0.25" (6 mm) thick bottom wiper
- A variety of FDA approved belting to meet application needs



OPTIONAL:
Bottom Wiper



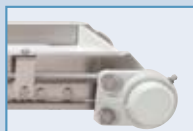
OPTIONAL:
Tool-less Belt
Change Handles

Tool-less Belt Change Handles for quick belt release. Part # 456060



7200 RATED FOR
LOW PRESSURE

Soap & Water
Cleaners



7300 RATED FOR
HIGH PRESSURE

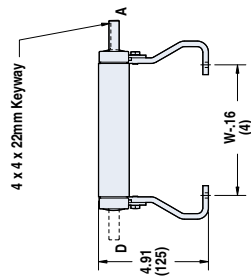
Chlorinated Cleaners

Order gearmotor mounting packages and gearmotors separately, see pages 238-245.
For support stands and accessories, see pages 247-248.

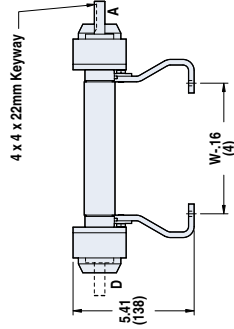
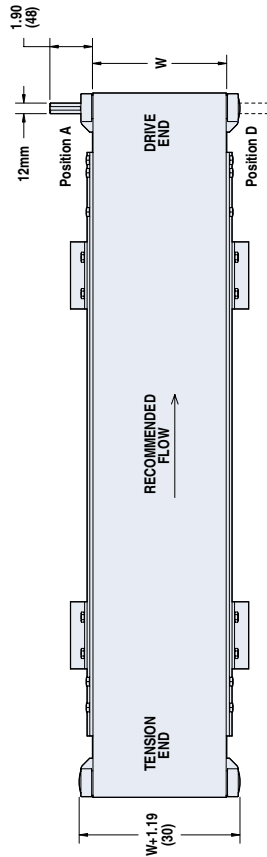
For ordering information, see page 249 and 250



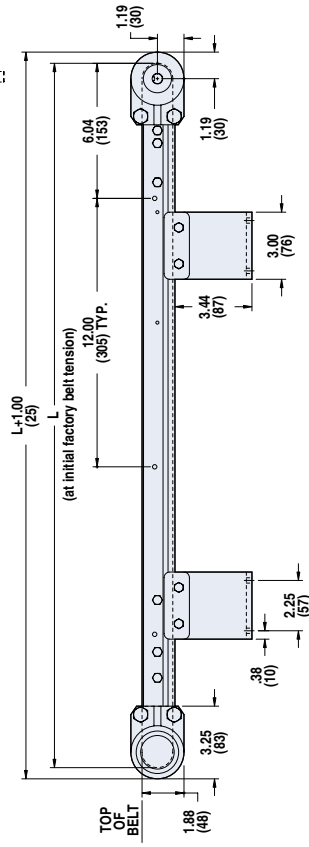
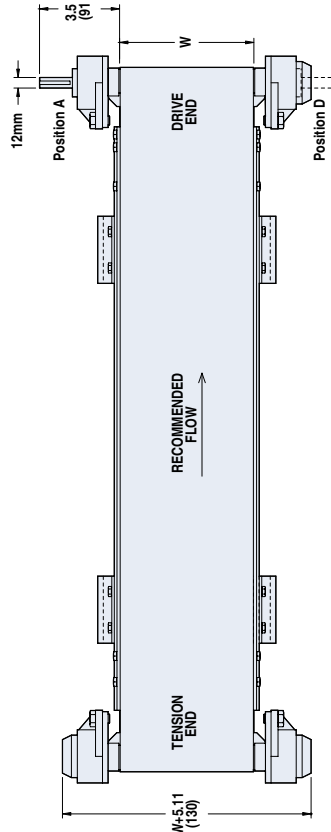
AQUAGARD® 7200 & 7300 SERIES: FLAT BELT END DRIVE



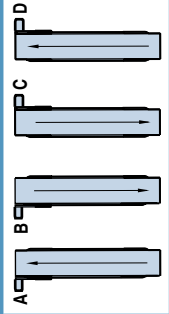
7200



7300



Drive Shaft Position



Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.

W = Conveyor Belt Width
Dim = in (mm)

STANDARD SIZES

Conveyor Width Reference	02	03	04	05	06	08	10	12	18
Conveyor Belt Width (W)	1.75" (44mm)	2.75" (70mm)	3.75" (95mm)	5" (127mm)	6" (152mm)	8" (203mm)	10" (254mm)	12" (305mm)	18" (457mm)
Conveyor Length Reference	0200	0001 increments up to...							
Conveyor Length (L)	2' (610mm)	0.12" (3mm) increments up to...							

Note: Lengths 13' to 18' available in widths 6" to 18" only.

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.

AquaGard® 7200 & 7300 SERIES: CLEATED BELT END DRIVE



Specifications:

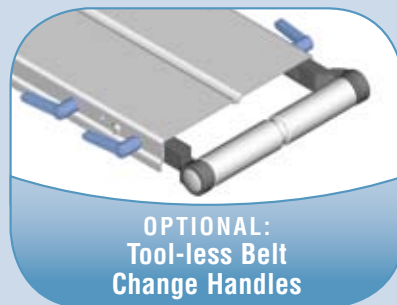
- Loads up to 60 lbs* (27 kg)
- Belt speeds up to 264 ft/min (81 m/min)
- Belt widths: 1.75" (44 mm) to 18" (457 mm)
- Conveyor lengths: 2' (610 mm) to 18' (5,486 mm)
- Cleats available from 0.43" (1 mm) to 2.36" (60 mm) high
- 11 gauge stainless steel roll formed frame
- Complete stainless steel construction
- 1.25" (32 mm) diameter drive pulley turns approximately 4.25" (108 mm) of belt per revolution
- 1.5" (38 mm) bottom of frame to top of belt
- Self-aligning stainless steel sealed bearings with FDA approved solid lubricant
- Washdown rated gearmotors and controls
- CE models available



* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

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



**OPTIONAL:
Tool-less Belt
Change Handles**

Tool-less Belt Change Handles for quick belt release. Part # 456060



**7200 RATED FOR
LOW PRESSURE**

Soap & Water
Cleaners

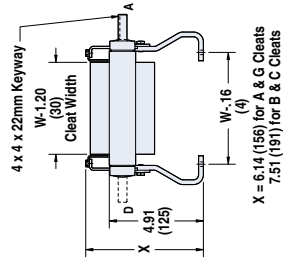


**7300 RATED FOR
HIGH PRESSURE**

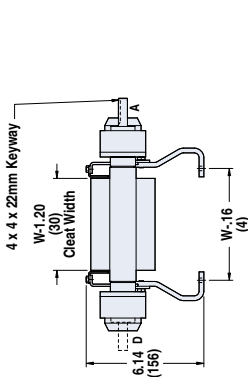
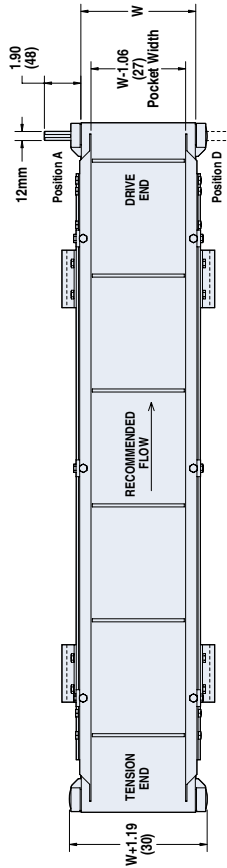
Chlorinated Cleaners

Order gearmotor mounting packages and gearmotors separately, see pages 238-245.
For support stands and accessories, see pages 247-248.

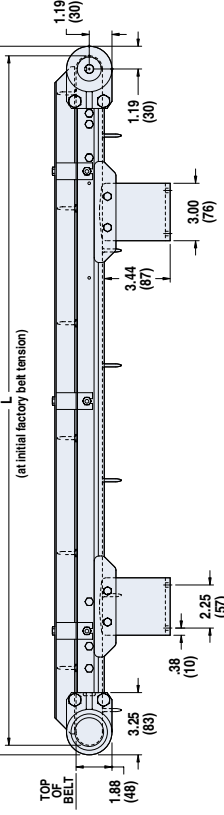
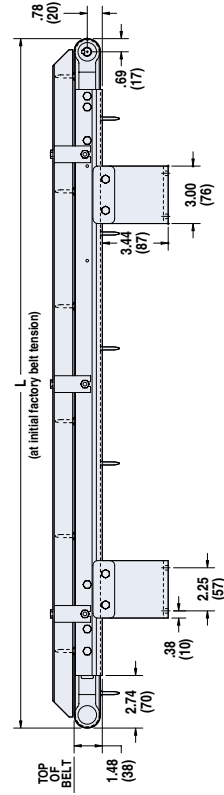
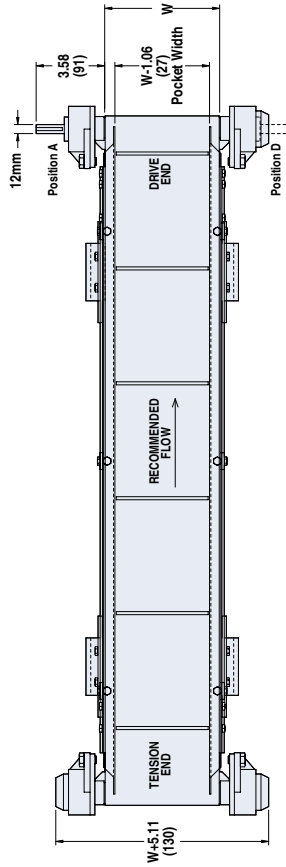
For ordering information, see page 249 and 250



7200



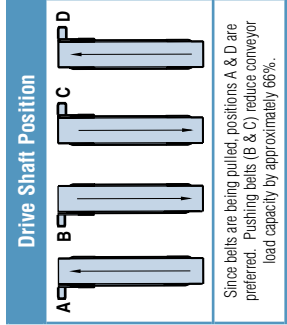
7300



W = Conveyor Belt Width Dim = in (mm)

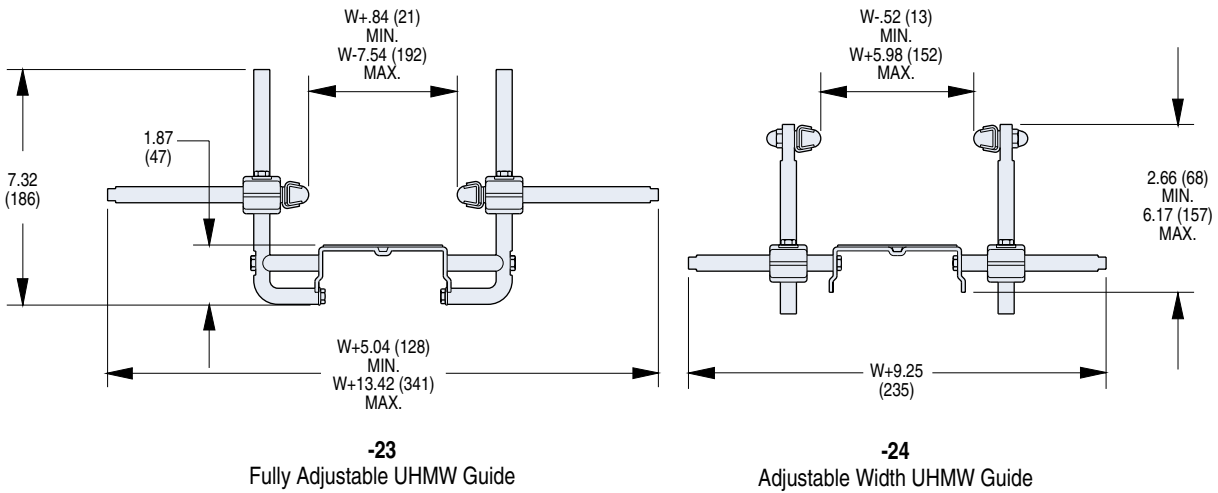
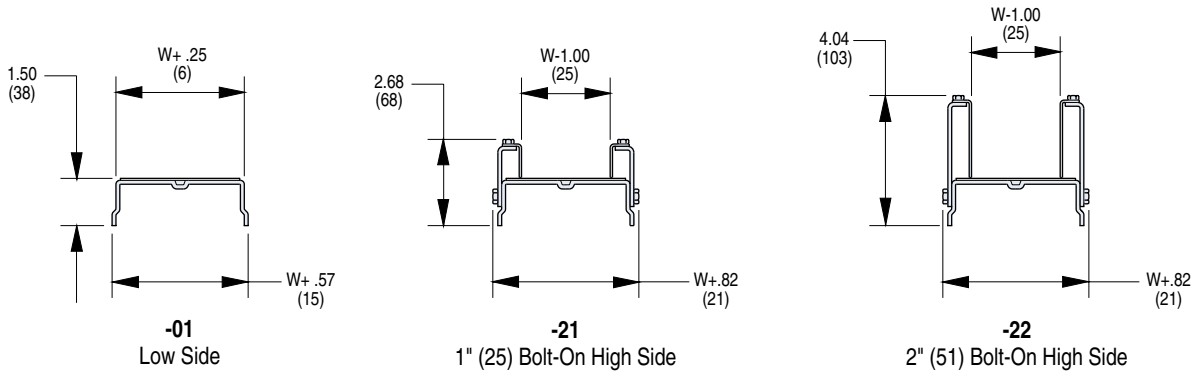
STANDARD SIZES									
Conveyor Width Reference	02	03	04	05	06	08	10	12	18
Conveyor Belt Width (W)	1.75" (44mm)	2.75" (70mm)	3.75" (95mm)	5" (127mm)	6" (152mm)	8" (203mm)	10" (254mm)	12" (305mm)	18" (457mm)
Conveyor Length Reference	0200	0001 increments up to...							
Conveyor Length (L)	2' (610mm)	0.12" (3mm) increments up to...							

Note: Lengths 13' to 18' available in widths 6" to 18" only.



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.

AquaGard® 7200 & 7300 SERIES: PROFILES



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



For quick removal of Profile -21 and -22
(Part # 450196MSS)

**Wet applications are limited to specialty belt types 54, 55, 68 and 69 only!
(see page 236)**



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	0.067" (1.7)	Urethane	Polyester	212°F (100°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	0.067" (1.7)	Urethane	Polyester	212°F (100°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**

Dim = in (mm)

Note: See below for splice details. Plastic Clipper splice requires longer lead times.

* Metal Clipper splices are not sanitary. **Incline varies due to factors like dust, fluids and part material.

BELT SPLICING



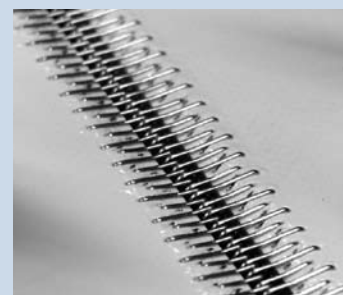
Finger Splice

All belts are available with a standard Thermoformed finger splice. This splice makes the belt continuous and is virtually undetectable. Splice bonding methods vary by belt type. Consult factory for details.



Plastic Clipper***

An optional plastic clipper splice is available for quick removal of belts or when conveyors are installed in tight spaces.



Metal Clipper***

An optional metal clipper splice is also available for quick removal of belts or when conveyors are installed in tight spaces. (Not Sanitary)

*** See belt charts for compatibility. Not for use with 7200/7300 Series with bottom wiper option. Plastic and Metal Clippers are slightly thicker than base belt. Consult factory for details.

**Wet applications are limited to specialty belt types 54, 55, 68 and 69 only!
Urethane Enclosed belts for added sanitary protection. See Belt Types 68 & 69.**



Specialty Belt Selection Guide

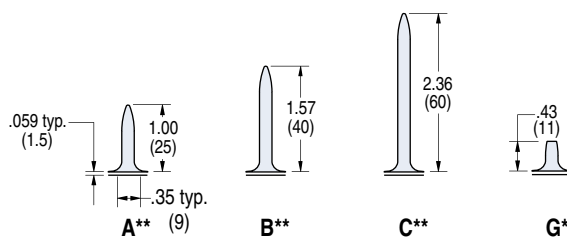
Specialty belt material is not stocked at Dorner and needs to be custom ordered for your special conveyor needs.

Belt Type - Finger Splice	Belt Type - Plastic Clipper	Belt Type - Metal Clipper*	Belt Specifications	Belt Thickness	Surface Material	Maximum Part Temperature	Coefficient of Friction	FDA Approved	Chemical Resistance	Moisture Resistance	Special Characteristics or Applications
54	F4	4F	FDA Sealed Edge**	0.06 (1.6)	Urethane	176°F (80°C)	Low	x	Good	Good	Packaging, clean room and inspection, wet environment
55	F5	5F	FDA Sealed Edge**	0.06 (1.6)	Urethane	176°F (80°C)	High	x	Good	Good	Packaging, clean room and inspection, wet environment
56		6F	Cut Resistant	0.08 (2.1)	Urethane	212°F (100°C)	Med.		Good	Poor	Oily product release, metal stamping
57		7F	Cut Resistant	0.10 (2.5)	Nitrile	176°F (80°C)	Med.		Poor	Poor	Felt-like, dry metal stamping, glass and ceramic
59	F9	9F	Color Contrasting	0.06 (1.5)	PVC	158°F (70°C)	Med.		Poor	Poor	Black colored, hides overspray from ink jet
60	G0	0G	Color Contrasting	0.05 (1.3)	Urethane	212°F (100°C)	Low	x	Good	Poor	Green-colored
61	G1	1G	Color Contrasting	0.05 (1.3)	Urethane	212°F (100°C)	Low	x	Good	Poor	Blue-colored
63		3G	Electrically Conductive	0.05 (1.2)	Urethane	176°F (80°C)	Low		Good	Poor	Static conductive, electronics handling
64		4G	High Friction	0.17 (4.4)	PVC	194°F (90°C)	V-High		Poor	Poor	Dark green-colored, rough top surface, product cushioning, incline/decline apps.
65		5G	Chemical Resistant	0.05 (1.3)	Polypropylene	248°F (120°C)	Low	x	V-Good	Poor	V-Good Cut resistance, excellent product release
66		6G	Chemical Resistant	0.07 (1.7)	Polyester	212°F (100°C)	Med.	x	V-Good	Poor	Good Cut resistance, metal stamping apps.
67		7G	Low Friction Cleated	0.06 (1.6)	Polyester	212°F (100°C)	n/a	x	Good	Poor	Excellent product release, consult factory for part number and how to specify low friction
68	G8		FDA Encased**	0.06 (1.6)	Urethane	176°F (80°C)	Low	x	Good	V-Good	Urethane enclosed for added sanitary protection
69	G9		FDA Encased**	0.09 (2.2)	Urethane	212°F (100°C)	High	x	Good	V-Good	Urethane enclosed for added sanitary protection

Dim = in (mm)

*Metal Clipper splices are not sanitary.

**Not available in 2" (51 mm) wide.

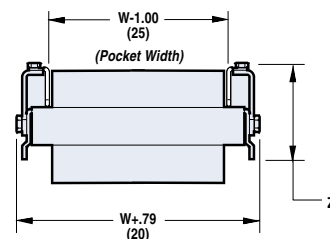


* Maximum 20" (508 mm) cleat spacing for 18" and wider conveyors with lengths greater than 7' (2,134 mm)

** 18" and wider conveyors have a maximum length of 7' (2,134 mm)

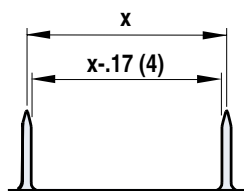
Base Belt Material: 0.059" (1.5 mm) thick, high friction FDA approved urethane, 176°F (80°C) maximum part temperature. See Specialty Belt 67 for low friction base belt material.

Note: Minimum cleat spacing is approximately 2" (50 mm). Consult Factory.



Z = 2.68" (68) for A, F, G & H Cleats
4.04" (102) for B, C, V & J Cleats
W = Conveyor Belt Width

CLEAT SPACING



Tolerance ± .08 (2)

Steps:

- 1) Refer to Formulas below
- 2) Use formula 1 to determine the approximate number of cleats required based upon the desired cleat spacing. Since a partial cleat cannot be used, round the number of cleats up or down
- 3) Use formula 2 to get the cleat space reference for the conveyor part number

Formula 1

$$\text{Number of Cleats} = \frac{(\text{Conveyor Length in feet} \times 24) + 1.37}{\text{Desired cleat spacing in inches (x)}}$$

Example

Using a 6' long conveyor and 6" cleat spacing

$$\text{Number of Cleats} = \frac{(6 \times 24) + 1.37}{6} = \frac{145}{6} = \mathbf{24 \text{ Cleats (rounded)}}$$

Formula 2

$$\text{Cleat Space Reference (x)} = \frac{(\text{Conveyor Length in feet} \times 24) + 1.37}{\text{Number of Cleats from Formula 1}}$$

Example

Using a 6' long conveyor and 24 cleats

$$\text{Cleat Spacing in inches (x)} = \frac{(6 \times 24) + 1.37}{24 \text{ cleats}} = \frac{145}{24} = 6.04 \text{ or } \mathbf{0604 \text{ Cleat Reference}}$$

GEARMOTOR MOUNTING PACKAGE & GEARMOTOR SELECTION STEPS

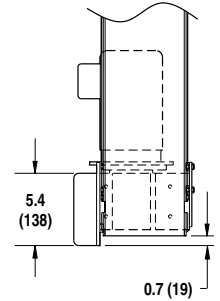
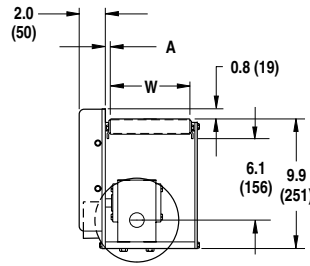
- Step 1:** Select a **Gearmotor Mounting Package**. For End drive conveyors, select a side, bottom, top, flush (pages 239-240). Be sure to note if it is for a **90°** or **Parallel Shaft Gearmotor**.
- Step 2:** Using **Belt Speed and Load** Requirements, determine the required **Gearmotor Type** (Standard or Heavy) for your application using the chart below.
- Step 3:** Go to the set of Belt Speed Charts on page 241 and choose between the **Fixed** or **Variable Speed** chart.
- Step 4:** Go down the first column of the Belt Speed Chart and locate the required **Belt Speed** for your application. If the desired belt speed is not listed, round up to the next higher speed.
(Dorner offers much more than just the belt speeds listed in the tables, contact the factory for complete details)
- Step 5:** From the row containing your required **Belt Speed**, check to be sure that speed is available for the **Mount Package** you chose. (End Drive Only - Top or Bottom)
- Step 6:** Use the Drive / Driven Pulley Kit combination to complete your Mounting Package Part Number.
- Step 7:** Note the **RPM from Gearmotor**, it will be needed to select the correct Gearmotor from the Gearmotor Chart.
- Step 8:** Reference the **Gearmotor Chart #** to locate a compatible Gearmotor Chart on pages 242-245. Be sure to select a Gearmotor Chart to match your **Gearmotor Type** (Standard or Heavy) and your **Mounting Package** while meeting your electrical requirements.
(Red = Parallel Shaft or Blue = 90°)
- Step 9:** Using the **RPM from Gearmotor** (Step 6), locate the **Part Number** for your Gearmotor from the Gearmotor Table.

GEARMOTOR TYPE	Conveyor Load - lbs. (kg)											
	Standard Load		Heavy Load									
	10 (4.5)	20 (9.1)	30 (13.6)	40 (18.2)	50 (22.7)	60 (27.3)	70 (31.8)	80 (36.4)	90 (40.9)	100 (45.5)	110 (50)	120 (54.5)
Belt Speed - Ft/min (m/min)	0-15 (0-4.6)											
16-30 (4.9-9.1)												
31-45 (9.5-13.7)												
46-60 (14-18.3)												
61-75 (18.6-22.9)												
76-90 (23.2-27.4)												
91-110 (27.7-33.5)												
111-130 (33.8-39.6)												
131-150 (39.9-45.7)												
151-175 (46-53.4)												
176-200 (53.7-61)												
201-225 (61.3-68.6)												
226-250 (68.9-76.2)												
251-275 (76.5-83.8)												

Bottom Mount Package, 90° Gearmotor



- Includes stainless steel gearmotor mounting bracket, timing belt, pulleys, belt guard and mounting hardware

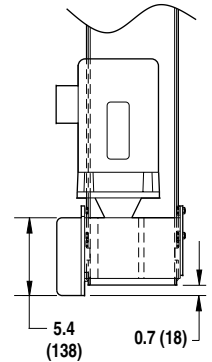
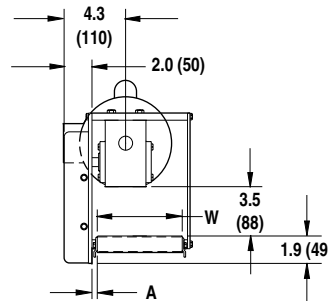


A: = 0.6 (15) for 7200
 = 1.9 (48) for 7300
 W = Conveyor Belt Width

Top Mount Package, 90° Gearmotor



- Includes stainless steel gearmotor mounting bracket, timing belt, pulleys, belt guard and mounting hardware



A: = 0.6 (15) for 7200
 = 1.9 (48) for 7300
 W = Conveyor Belt Width

Heavy Duty Sprocket Kit



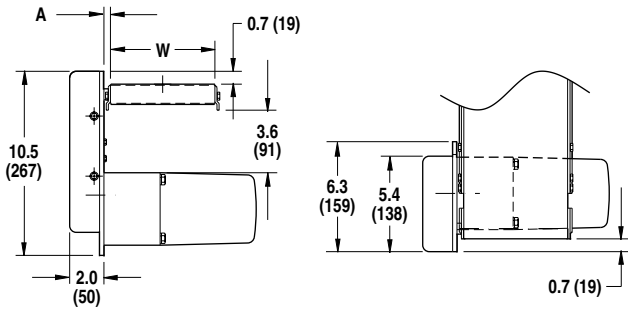
Heavy Duty Sprocket Kit Used in Wet Applications

- Compatible with Standard and Heavy Load Top and Bottom Mount packages
- Stainless Steel #40 Sprockets
- Stainless Steel/Acetal #40 Chain
- Belt speeds up to 145 ft/min

This kit becomes part of the gearmotor mounting package when you select your belt speed from the "Heavy Duty Sprocket Kit" speed chart (see page 241).

Note: Conveyor and gearmotor are not included in the mounting package and must be ordered separately. Dimensions = in (mm)

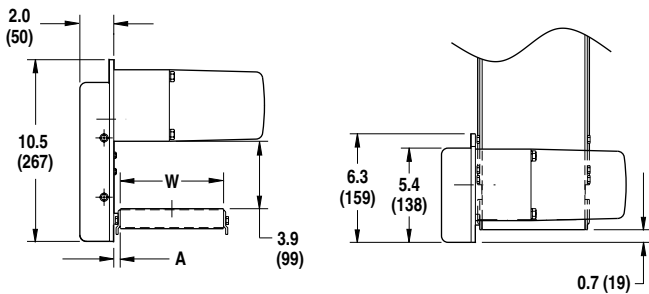
Bottom Mount Package, Parallel Shaft Gearmotor



A: = 0.6 (15) for 7200
 = 1.9 (48) for 7300
 W = Conveyor Belt Width

- Includes stainless steel gearmotor mounting bracket, timing belt, pulleys, belt guard and mounting hardware

Top Mount Package, Parallel Shaft Gearmotor



A: = 0.6 (15) for 7200
 = 1.9 (48) for 7300
 W = Conveyor Belt Width

- Includes stainless steel gearmotor mounting bracket, timing belt, pulleys, belt guard and mounting hardware

Note: Conveyor and gearmotor are not included in the mounting package and must be ordered separately. Dimensions = in (mm)

Standard Timing Belt Kit

Fixed Speed						
Belt Speed		RPM from Gearmotor	Pulley Kit		Gearmotor Chart	
ft/min	m/min		Drive Pulley	Driven Pulley	Standard Load	Heavy Load
7	2.1	35	19	32		6
12	3.7	50	22	32	1	
17	5.2	35	44	32		6
26	7.9	50	32	22	1	
35	10.7	115	28	32		5, 6
38	11.6	50	48	22	1	
56	17.1	115	44	32		5, 6
58	17.7	167	44	32	1	
58	17.7	167	32	32	1	
81	24.7	115	44	22		5, 6
100	30.5	167	48	28	1	
106	32.3	345	28	32		5, 6
148	45.1	167	48	19	1	
167	50.9	345	44	32		5, 6
190	57.9	345	44	28		5, 6
264	80.5	345	48	22		5, 6

CE RPM from 50 Hz gearmotors						
ft/min	m/min	RPM from Gearmotor	Drive Pulley	Driven Pulley	Standard Load	Heavy Load
6	1.8	29	19	32		7
10	3.0	42	22	32	2	
15	4.6	29	48	32		7
20	6.1	42	44	32	2	
30	9.1	97	28	32		7
32	9.8	42	48	22	2	
49	14.9	139	32	32	2	
51	15.5	97	48	32		7
73	22.3	139	48	32	2	
74	22.6	97	48	22		7
98	29.9	139	44	22	2	
102	31.1	290	32	32		7
123	37.5	139	48	19	2	
153	46.6	290	48	32		7
204	62.2	290	44	22		7
257	78.3	290	48	19		7

Variable Speed						
Belt Speed		RPM from Gearmotor	Pulley Kit		Gearmotor Chart	
ft/min	m/min		Drive Pulley	Driven Pulley	Standard Load	Heavy Load
1.2 - 7	0.4 - 2.1	35	19	32		10
2.0 - 12	0.6 - 3.7	50	22	32	3	
2.8 - 17	0.9 - 5.2	35	44	32		10
4.3 - 26	1.3 - 7.9	50	32	22	3	
5.8 - 35	1.8 - 10.7	115	28	32		8, 9, 10
6.3 - 38	1.9 - 11.6	50	48	22	3	
9.3 - 56	2.8 - 17.1	115	44	32		8, 9, 10
9.7 - 58	2.9 - 17.7	167	32	32	3	
13.3 - 80	4.1 - 24.4	167	44	32	3	
13.5 - 81	4.1 - 24.7	115	44	22		8, 9, 10
16.7 - 100	5.1 - 30.5	167	48	28	3	
17.7 - 106	5.4 - 32.3	345	28	32		8, 9, 10
24.7 - 148	7.5 - 45.1	167	48	19	3	
27.8 - 167	8.5 - 50.9	345	44	32		8, 9, 10
31.7 - 190	9.7 - 57.9	345	44	28		8, 9, 10
44.0 - 264	13.4 - 80.5	345	48	22		8, 9, 10

CE RPM from 50 Hz gearmotors, VFD drive at 63 max. Hz output						
ft/min	m/min	RPM from Gearmotor	Drive Pulley	Driven Pulley	Standard Load	Heavy Load
2.0 - 12	0.6 - 3.7	42	22	32	4	
4.0 - 24	1.2 - 7.3	42	44	32	4	
6.3 - 38	1.9 - 11.6	42	48	22	4	
9.7 - 58	2.9 - 17.7	139	32	32	4	
14.7 - 88	4.5 - 26.8	139	48	32	4	
19.5 - 117	5.9 - 35.7	139	44	22	4	
24.7 - 148	7.5 - 45.1	139	48	19	4	

Refer to the Gearmotor Selection Steps on page 238 for instructions on using the Belt Speed Charts.

Note: Red = Parallel Shaft, Blue = 90°

Heavy Duty Sprocket Kit

Fixed Speed						
Belt Speed		RPM from Gearmotor	Pulley Kit		Gearmotor Chart	
ft/min	m/min		Drive Pulley	Driven Pulley	Standard Load	Heavy Load
14	4.3	35	12	10		6
21	6.4	50	12	10	1	
24	7.3	35	20	10		6
32	9.8	50	18	10	1	
49	14.9	115	12	10		5, 6
70	21.3	167	12	10	1	
73	22.3	115	18	10		5, 6
94	28.7	167	16	10	1	
117	35.7	167	20	10	1	
145	44.2	345	12	10		5, 6

CE RPM from 50 Hz gearmotors						
ft/min	m/min	RPM from Gearmotor	Drive Pulley	Driven Pulley	Standard Load	Heavy Load
12	3.7	29	12	10		7
18	5.5	42	12	10	2	
20	6.1	29	20	10		7
29	8.8	42	20	10	2	
41	12.5	97	12	10		7
59	18.0	139	12	10	2	
68	20.7	97	20	10		7
88	26.8	139	18	10	2	
98	29.9	139	20	10	2	
122	37.2	290	12	10		7

Variable Speed						
Belt Speed		RPM from Gearmotor	Pulley Kit		Gearmotor Chart	
ft/min	m/min		Drive Pulley	Driven Pulley	Standard Load	Heavy Load
2.3 - 14	0.7 - 4.3	35	12	10		10
3.5 - 21	1.1 - 6.4	50	12	10	3	
4.0 - 24	1.2 - 7.3	35	20	10		10
5.3 - 32	1.6 - 9.8	50	18	10	3	
8.2 - 49	2.5 - 14.9	115	12	10		8, 9, 10
11.7 - 70	3.6 - 21.3	167	12	10	3	
12.2 - 73	3.7 - 22.3	115	18	10		8, 9, 10
15.7 - 94	4.8 - 28.7	167	16	10	3	
19.5 - 117	5.9 - 35.7	167	20	10	3	
24.2 - 145	7.4 - 44.2	345	12	10		8, 9, 10

CE RPM from 50 Hz gearmotors, VFD drive at 63 max. Hz output						
ft/min	m/min	RPM from Gearmotor	Drive Pulley	Driven Pulley	Standard Load	Heavy Load
3.5 - 21	1.1 - 6.4	42	12	10	4	
5.8 - 35	1.8 - 10.7	42	20	10	4	
11.7 - 70	3.6 - 21.3	139	12	10	4	
17.5 - 105	5.3 - 32.0	139	18	10	4	
19.5 - 117	5.9 - 35.7	139	20	10	4	

GEARMOTOR SELECTION STEPS

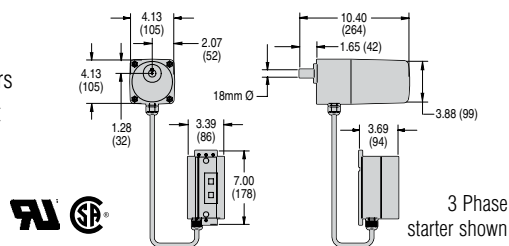
Refer to page **238** for instructions on Selecting a Gearmotor Mounting Package and Gearmotor.

GEARMOTOR TYPE	Conveyor Load - lbs. (kg)											
	Standard Load						Heavy Load					
	10 (4.5)	20 (9.1)	30 (13.6)	40 (18.2)	50 (22.7)	60 (27.3)	70 (31.8)	80 (36.4)	90 (40.9)	100 (45.5)	110 (50)	120 (54.5)
0-15 (0-4.6)												
16-30 (4.9-9.1)												
31-45 (9.5-13.7)												
46-60 (14-18.3)												
61-75 (18.6-22.9)												
76-90 (23.2-27.4)												
91-110 (27.7-33.5)												
111-130 (33.8-39.6)												
131-150 (39.9-45.7)												
151-175 (46-53.4)												
176-200 (53.7-61)												
201-225 (61.3-68.6)												
226-250 (68.9-76.2)												
251-275 (76.5-83.8)												

STANDARD LOAD, FIXED SPEED

Chart 1 Parallel Shaft

- Sealed gearmotor
- IP 65 protection rating (Motor IP67)
- 115V, 1 phase includes starter, cords and plug
- 230V, 3 phase wiring to starter by others
- Stainless steel shaft and fasteners
- FDA approved white epoxy paint
- Totally enclosed, non-ventilated
- 60 Hz



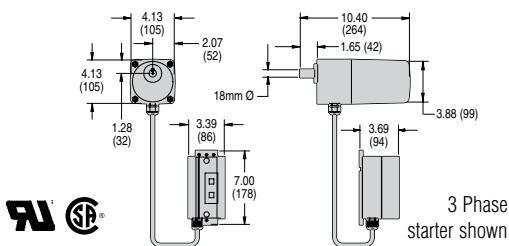
Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm
			Hp	kW	FLA	Hp	kW	FLA		
62M030PY4(vp)FN	50	Y	0.12	0.09	1.51	0.12	0.09	0.49	77	8.7
62M009PY4(vp)FN	167	Y	0.12	0.09	1.51	0.12	0.09	0.49	26	2.8

(vp) = Voltage and Phase 11 = 115V, 1 phase 23 = 230V, 3 phase

Note: 115V 1 phase gearmotor must be plugged into a GFI circuit

Chart 2 CE Parallel Shaft

- Sealed gearmotor
- IP 65 protection rating (Motor IP67)
- 230V, 3 phase wiring to starter by others
- 50 Hz
- Stainless steel shaft and fasteners
- FDA Approved white epoxy paint
- Totally enclosed, non-ventilated



Part Number	RPM	Gearmotor Type	3 Ph kW		3 Ph FLA		Nm
62(c)030PY423FN	42	Y	0.09	0.09	0.49	0.49	8.7
62(c)009PY423FN	139	Y	0.09	0.09	0.49	0.49	2.8

(c) = Electrical Configuration U = CE Great Britain G = CE German

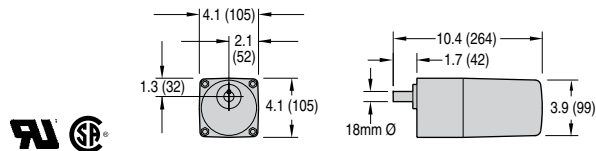
CE Note: Customer wiring to starter must comply with CE safety directives.

FLA = Full Load Amperes

STANDARD LOAD, VARIABLE SPEED

Chart 3 Parallel Shaft

- Variable frequency drive, 10-60 Hz
- IP 67 protection rating
- 230V, 3 Phase
- Stainless steel shaft and fasteners
- FDA approved white epoxy paint
- Totally enclosed, non-ventilated
- Order controller separately, see page 246

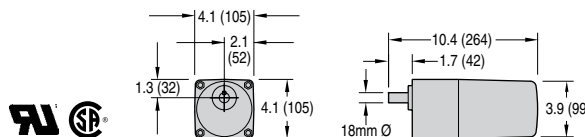


Part Number	RPM*	Gearmotor Type	3 Ph Hp	3 Ph kW	3 Ph FLA	in.-lbs.*	Nm*	Vari - Speed Control Charts
62M030PY4(vp)EN	50	Y	0.12	0.09	0.49	77	8.7	G
62M009PY4(vp)EN	167	Y	0.12	0.09	0.49	26	2.8	G

* At 60 Hz

Chart 4 CE Parallel Shaft

- Totally enclosed, fan cooled
- IP 67 protection rating
- Non-reversing
- 50 Hz
- Order starter separately, see page 246



Part Number	RPM*	Gearmotor Type	3 Ph kW	3 Ph FLA	Nm*	Vari - Speed Control Charts
62Z028PL421EN	41	L	0.022	0.31	2.6	B
62Z028PL4(vp)EN	41	L	n/a	n/a	3.5	B
62Z008PL421EN	144	L	0.022	0.31	0.9	B
62Z008PL4(vp)EN	144	L	n/a	n/a	1.2	B

* At 50 Hz

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

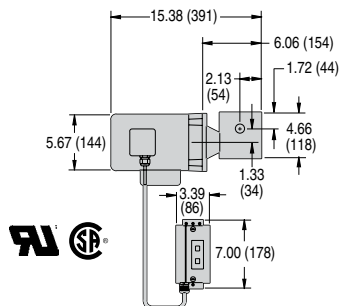
FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

HEAVY LOAD, FIXED SPEED

Chart 5 90°

- NEMA 56 C face
- IP 55 protection rating
- Wiring to starter by others
- Sealed reducer with FDA lubricant
- FDA approved white epoxy paint
- UL and CSA approved
- 60 Hz
- Totally enclosed, Non-ventilated
- 1 Phase gearmotor does not include plug/cord set



(r) = Output shaft orientation
 R = Right hand
 L = Left hand
 (vp) = Voltage and Phase
 11 = 115V, 1 phase
 23 = 208 - 230V, 3 phase
 43 = 460V, 3 phase

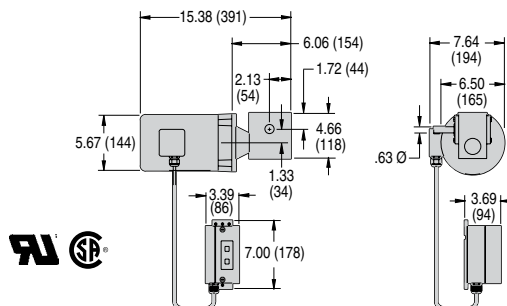
Right hand output shown

Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm
			Hp	kW	FLA	Hp	kW	FLA		
62M015(r)Z4(vp)FN	115	Z	0.5	0.37	6.8	0.5	0.37	1.8-1.6 / 0.8	146	16.5
62M005(r)Z4(vp)FN	345	Z	0.5	0.37	6.8	0.5	0.37	1.8-1.6 / 0.8	55	6.2

Chart 6 90°

Stainless Steel Gearmotor

- Stainless steel construction
- NEMA 56 C face
- IP 55 protection rating
- Wiring to starter by others
- Sealed reducer with FDA lubricant
- UL and CSA approved
- 60 Hz
- Totally enclosed, non-ventilated



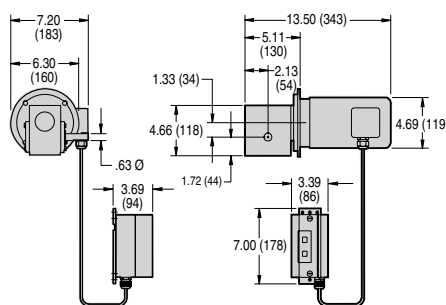
(r) = Output shaft orientation
 R = Right hand
 L = Left hand
 (vp) = Voltage and Phase
 23 = 208 - 230V, 3 phase
 43 = 460V, 3 phase

Right hand output shown

Part Number	RPM	Gearmotor Type	3 Ph Hp	3 Ph kW	3 Ph FLA	in.-lbs.	Nm
62M050(r)ZS4(vp)FN	35	ZS	0.5	0.37	1.8-1.6 / 0.8	380	42.9
62M015(r)ZS4(vp)FN	115	ZS	0.5	0.37	1.8-1.6 / 0.8	146	16.5
62M005(r)ZS4(vp)FN	345	ZS	0.5	0.37	1.8-1.6 / 0.8	55	6.2

Chart 7 CE 90°

- IEC 71 B5 C face
- IP 55 protection rating
- 230/400V, 3 Phase wiring to starter by others
- 50 Hz
- FDA approved white epoxy paint
- Sealed reducer with FDA lubricant
- Totally enclosed, non-ventilated



Right hand output shown

Part Number	RPM	Gearmotor Type	3 Ph kW	3 Ph FLA	Nm
62(c)050(r)Z4(vp)FN	29	Z	0.19	1.2 / 0.7	50.1
62(c)015(r)Z4(vp)FN	97	Z	0.19	1.2 / 0.7	19.9
62(c)005(r)Z4(vp)FN	290	Z	0.19	1.2 / 0.7	7.2

(c) = Electrical Configuration (r) = Output shaft orientation (vp) = Voltage and Phase
 G = CE German R = Right hand 23 = 230V, 3 phase
 U = CE Great Britain L = Left hand 43 = 400V, 3 phase

CE Note: Customer wiring to starter must comply with CE safety directives.

FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

HEAVY LOAD, VARIABLE SPEED

Chart 8 90°

- 90V DC
- IP 55 protection rating
- NEMA 56 C face
- Totally enclosed, non-ventilated
- Sealed reducer with FDA lubricant
- FDA approved white epoxy paint
- Order controller separately, see page 246

(r) = Output shaft orientation
R = Right hand
L = Left hand

Left hand output shown

Part Number	RPM	Gearmotor Type	Hp	kW	FLA	in.-lbs.	Nm	Vari - Speed Control Charts
62M015(r)ZD9DEN	115	Z	0.33	0.25	3.2	146	16.5	F
62M005(r)ZD9DEN	345	Z	0.33	0.25	3.2	55	6.2	F

Chart 9 90°

- Variable frequency drive, 10-60 Hz
- IP 65 protection rating
- 230V, 3 Phase
- Stainless steel shaft and fasteners
- FDA approved white epoxy paint
- Totally enclosed, non-ventilated
- Order controller separately, see page 246

(r) = Output shaft orientation
R = Right hand
L = Left hand

Left hand output shown

Part Number	RPM	Gearmotor Type	3 Ph Hp	3 Ph kW	3 Ph FLA	in.-lbs.*	Nm*	Vari - Speed Control Charts
62M015(r)Z423EN	115	Z	0.5	0.37	1.6	146	16.5	G
62M005(r)Z423EN	345	Z	0.5	0.37	1.6	55	6.2	G

* At 60 Hz

Chart 10 90°

- Variable frequency drive, 10-60 Hz
- Stainless steel construction
- 230/460 3 Phase
- NEMA 56 C face
- IP 55 protection rating
- Sealed reducer with FDA lubricant
- Totally enclosed, non-ventilated
- Order controller separately, see page 246

Stainless Steel Gearmotor

(r) = Output shaft orientation
R = Right hand
L = Left hand

Left hand output shown

Part Number	RPM	Gearmotor Type	3 Ph Hp	3 Ph kW	3 Ph FLA	in.-lbs.*	Nm*	Vari - Speed Control Charts
62M050(r)S423EN	35	ZS	0.5	0.37	1.6	380	42.9	G
62M015(r)S423EN	115	ZS	0.5	0.37	1.6	146	16.5	G
62M005(r)S423EN	345	ZS	0.5	0.37	1.6	55	6.2	G

* At 60 Hz

FLA = Full Load Amperes

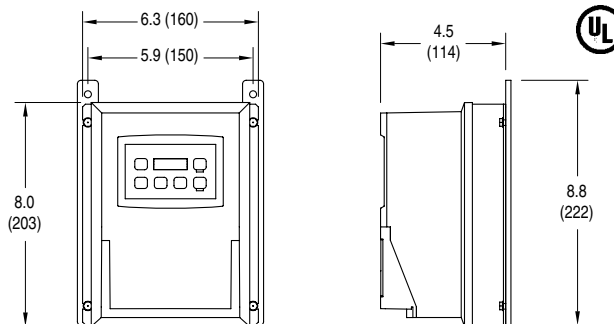
Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

VARIABLE SPEED CONTROLLERS

Chart B



- VFD control
- IP 65 plastic enclosure
- EMC filter
- Digital display
- Stainless steel mounting hardware
- Includes cord to motor
- Power to controller by others

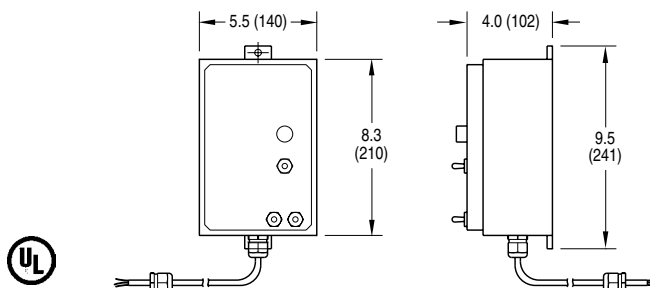


Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Out Phase	Max kW	Max Amps	Reversing
72UV2121S	230	1	50	230	3	0.37	4.0	Yes
72UV4341S	400	3	50	400	3	0.74	2.0	Yes

Chart F



- SCR DC control
- Nema 4X enclosure
- FDA white epoxy painted enclosure
- Forward/Brake/Reverse switch
- Jog/Run switch
- Speed potentiometer
- Includes cord to motor
- Power to controller by others
- Stainless steel mounting hardware

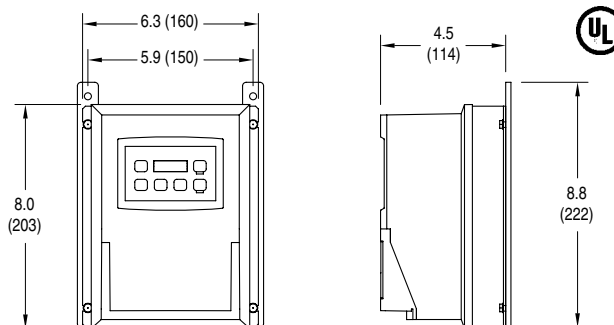


Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Max Hp	Max Amps	Reversing
62MD1191S	115	1	60	90VDC	1	10.2	Yes

Chart G



- VFD control
- Nema 4X Plastic Enclosure
- Stainless steel mounting hardware and fasteners
- Digital display
- Keypad with Start/Stop, Forward/Reverse and speed variation
- Includes cord to motor
- Power to controller by others



Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Out Phase	Max Hp	Output Amp Range*	Reversing
72MV1124S	115	1	60	230	3	0.5	0.7 - 2.4	Yes
72MV2124S	230	1	60	230	3	0.5	0.7 - 2.4	Yes
72MV1122S	115	1	60	230	3	0.5	0.7 - 2.4	Yes
72MV2322S	230	3	60	230	3	0.5	0.7 - 2.4	Yes

* See FLA from motor charts

FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

QUANTITY CHARTS

Support Stand Quantity Chart

Conveyor Length	# of Supports
2' (610) - 4' (1,219)	1*
2' (610) - 6' (1,829)	2
7' (2,134) - 12' (3,658)	3
13' (3,962) - 18' (5,486)	4

* End Drive Conveyors with Single-Post Support Stands only. Requires the use of diagonal bracing. Heavy load gearmotors require a minimum of two stands to support conveyor and gearmotor package.

Required Return Roller Quantity Chart

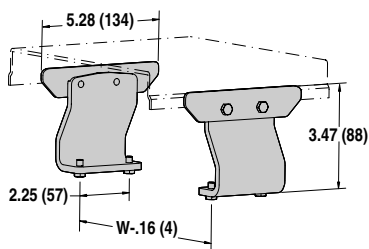
max feet between return rollers									
Conveyor Width	1.75"	2.75"	3.75"	5"	6"	8"	10"	12"	18"
Flat Belt	8.75	8.5	7.5	7.25	7.0	6.75	6.5	6.0	5.5
Cleated Belt	5.75	5.5	5.25	5.0	4.75	4.5	4.25	4.0	3.5

Quantity of return rollers required = whole number result of: $\frac{\text{conveyor length in feet}}{\text{max distance between return rollers}}$

Example Description: 7200 flat belt 8" wide x 14' long $\frac{14'}{6.75} = 2.07$ **2 return rollers required**

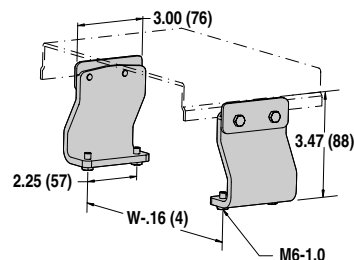
MOUNTING BRACKETS Not required when purchasing sanitary support stands.

Cleated Stand Mounting Bracket



Part Number	Description
450591	Stand Mounting Bracket, Cleated Belt Conveyor

Flat Belt Stand Mounting Bracket



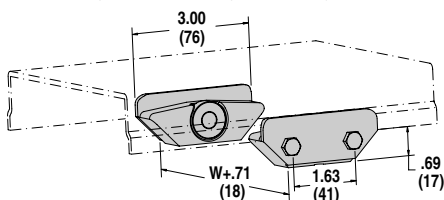
Part Number	Description
450589	Stand Mounting Bracket, Flat Belt Conveyor

Note: Conveyors can be ordered with the required number of mounting brackets. If desired, order additional mounting brackets separately.

RETURN ROLLERS

Cleated Belt Stand Mounting Bracket

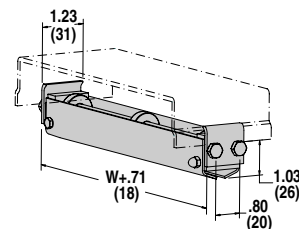
For Cleated Belts and Flat Belts on 2" to 6" (51mm to 152mm) wide conveyors



Part Number	Description
450594	Stand Mounting Bracket, Cleated Belt Conveyor

Flat Belt Stand Mounting Bracket

For Flat Belts on 8" to 18" (203mm to 457mm) wide conveyors



W = Belt Width

Part Number	Description
4514WW*	Stand Mounting Bracket, Flat Belt Conveyor

* WW = conveyor width

Note: Dimensions = in (mm)

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see pages 250 and 251

AquaGard® 7200 & 7300 SERIES: SUPPORT STANDS & ACCESSORIES

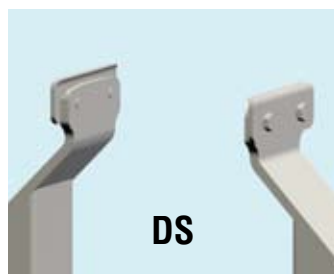


Fixed Foot Model											
Conveyor Width		1.75" (44)	2.75" (70)	3.75" (95)	5" (44)	6" (152)	8" (203)	10" (254)	12" (305)	18" (457)	
WW Part # Reference		02	03	04	05	06	08	10	12	18	
DS	Stand Width	10" (254)	11" (279)	10" (254)	11.3" (286)	12.3" (312)	14.3" (362)	10" (254)	12" (305)	18" (457)	
	Top of Belt Height	13-17" (330-432)					1" (25) increments up to...		70-74" (1,778-1,880)		
	HH Part # Reference	1317					0101 increments up to...		7074		
DP	Stand Width	9.3" (236)	10.3" (262)	10.1" (257)	11.3" (287)	12.3" (312)	14.3" (362)	11.8" (300)	13.8" (351)	19.8" (503)	
	Top of Belt Height	15-19" (330-432)					1" (25) increments up to...		70-74" (1,778-1,880)		
	HH Part # Reference	1519					0101 increments up to...		7074		
MS	Stand Width	10.5" (267)	11.5" (292)	11.3" (287)	12.6" (320)	13.6" (345)	15.6" (396)	9.8" (249)	11.8" (300)	17.8" (452)	
	Top of Belt Height	14-18" (356-457)					1" (25) increments up to...		70-74" (1,778-1,880)		
	HH Part # Reference	1418					0101 increments up to...		7074		

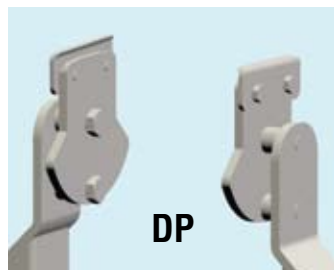
Note: HH is to Conveyor Top of Belt on DS and DP Models. HH is Top of Bracket for MS Models.

Swivel Locking Caster Model											
Conveyor Width		1.75" (44)	2.75" (70)	3.75" (95)	5" (44)	6" (152)	8" (203)	10" (254)	12" (305)	18" (457)	
WW Part # Reference		02	03	04	05	06	08	10	12	18	
DS	Stand Width	10" (254)	11" (279)	10" (254)	11.3" (286)	12.3" (312)	14.3" (362)	10" (254)	12" (305)	18" (457)	
	Top of Belt Height	18-22" (457-559)					1" (25) increments up to...		70-74" (1,778-1,880)		
	HH Part # Reference	1822					0101 increments up to...		7074		
DP	Stand Width	9.3" (236)	10.3" (262)	10.1" (257)	11.3" (287)	12.3" (312)	14.3" (362)	11.8" (300)	13.8" (351)	19.8" (503)	
	Top of Belt Height	21-25" (533-635)					1" (25) increments up to...		70-74" (1,778-1,880)		
	HH Part # Reference	2125					0101 increments up to...		7074		
MS	Stand Width	10.5" (267)	11.5" (292)	11.3" (287)	12.6" (320)	13.6" (345)	15.6" (396)	9.8" (249)	11.8" (300)	17.8" (452)	
	Top of Belt Height	20-24" (508-610)					1" (25) increments up to...		70-74" (1,778-1,880)		
	HH Part # Reference	2024					0101 increments up to...		7074		

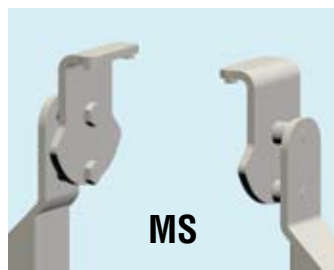
Note: HH is to Conveyor Top of Belt on DS and DP Models. HH is Top of Bracket for MS Models.



DS
Direct Mount Horizontal



DP
Direct Mount Incline



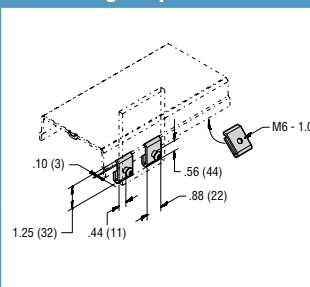
MS
Motor Mount

- Direct Mount Horizontal for direct conveyor mounting, conveyor must be level (mount directly to conveyor)
- Includes self-aligning adjustment foot for sloped floors
- All components are stainless #4 finish
- Metric fasteners
- Direct Mount Incline for angled conveyor applications
- Motor Mount for mounting under both horizontal and inclined heavy load bottom mount packages
- Sanitary support stands do not require mounting brackets

If sanitary stainless steel support stands are not required for your application, you may order aluminum support stands. Contact Dorner for details.

ACCESSORIES

Mounting Clips

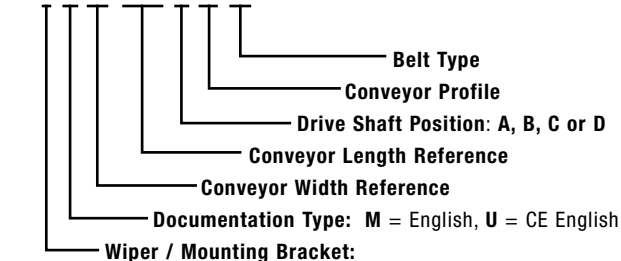


- For easy mounting of light weight accessories
- Fasteners not included

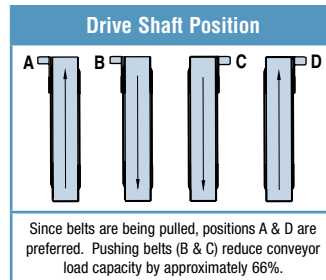
Part Number	Description
425501SS	7200 and 7300 Series Sanitary Mounting Clip

7200 SERIES: FLAT BELT END DRIVE CONVEYOR

72 1 M 08 1000 D 01 01



- | | |
|---------------------------------------|--|
| 1 = no wiper with mounting brackets | 2 = no wiper / no mounting brackets* |
| 3 = end wiper with mounting brackets | 4 = end wiper / no mounting brackets* |
| 5 = dual wiper with mounting brackets | 6 = dual wiper / no mounting brackets* *may require belt return rollers |

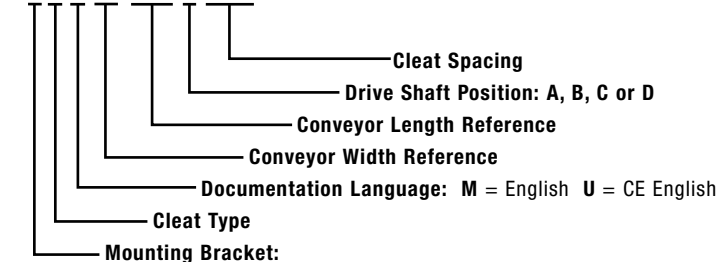


Example: 721M081000D0101

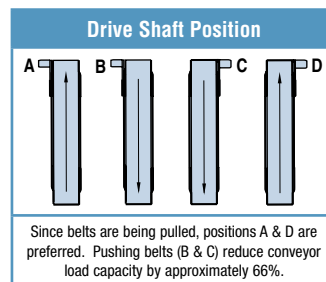
Description: 7200 Series End Drive Conveyor, 8" (203) wide x 10' (3,048) long, drive shaft position D, with low sides and a FDA accumulation belt and English documentation.

7200 SERIES: CLEATED BELT END DRIVE CONVEYOR

7 4 A M 08 1000 D 0603



- | |
|--------------------------------|
| 4 = with mounting brackets |
| 5 = without mounting brackets* |



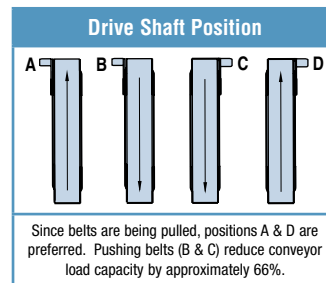
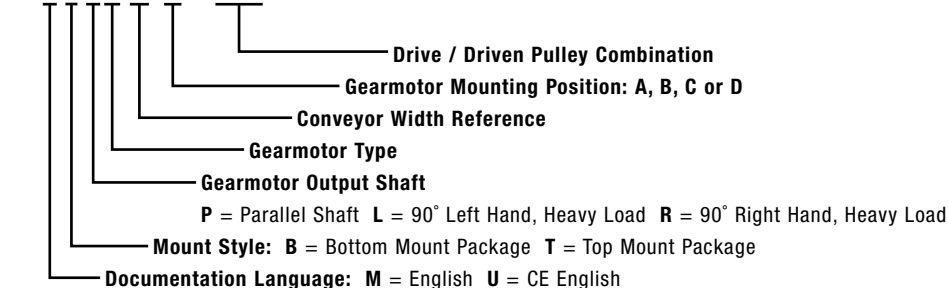
*may require belt return rollers

Example: 74AM081000D0603

Description: 7200 Series Cleated Belt End Drive Conveyor, 8" (203) wide x 10' (3,048) long drive shaft position D, with Type A cleated belt with cleats spaced on 6.03" (153) centers and English documentation.

7200 SERIES: GEARMOTOR MOUNTING PACKAGES

72 M B L Z 06 A - 3232



Example: 72MBLZ06A-3232

Description: Sanitary bottom mount package with English documentation for left hand output 90° heavy load sanitary gearmotor, for a 6" (152mm) wide conveyor mounted in the A position with a 32:32 drive / driven pulley combination.

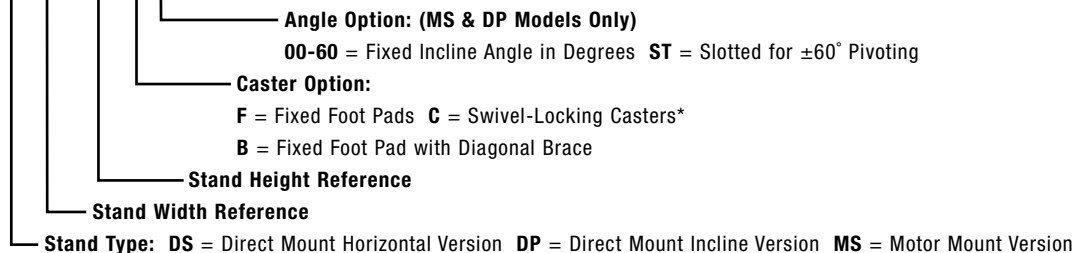
These reference charts are only provided as a reference and is not intended to be used for the construction of complete part numbers for order placing. Dorner has a full network of trained Distributors and sales staff equipped with our configuring / pricing software who are able to provide complete and accurate quotes for all standard products in a matter of minutes.

For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

AquaGard® 7200 & 7300 SERIES: PART NUMBER REFERENCE

7200 SERIES: SUPPORT STANDS

39M MS 04- 4044 F AA



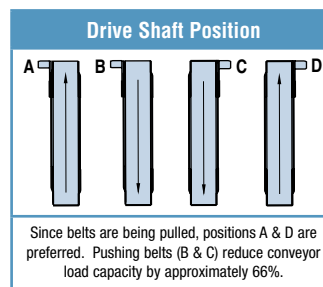
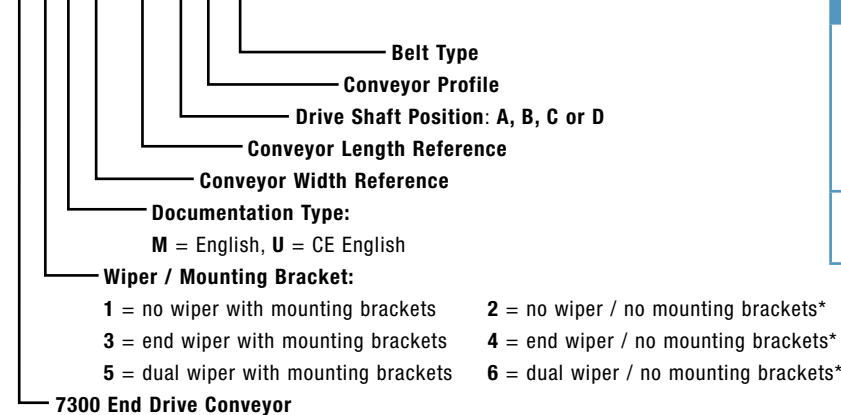
Example: 39MMS04- 4044F

Description: Sanitary Support Stand with Fixed Foot Pads, for a 4" (102) wide conveyor and adjustable from 40" to 44" (1016 to 1122) high.

*Stands equipped with casters include diagonal bracing.

7300 SERIES: FLAT BELT END DRIVE CONVEYOR

73 1 M 08 1000 D 01 01



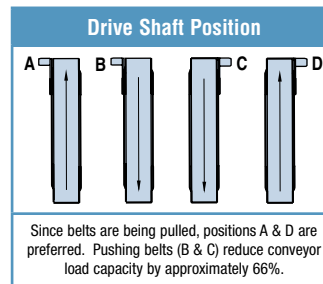
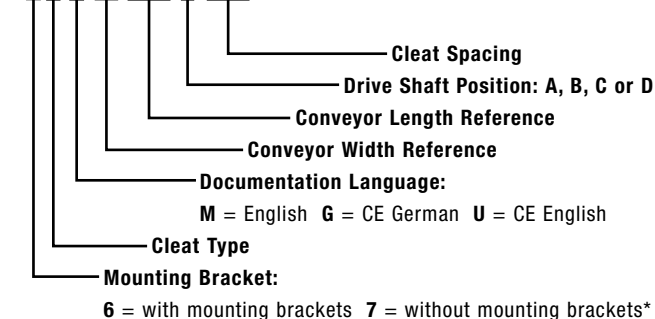
*may require belt return rollers

Example: 731M081000D0101

Description: 7300 Series End Drive Conveyor, 8" (203) wide x 10' (3,048) long, drive shaft position D, with low sides and a FDA accumulation belt and English documentation.

7300 SERIES: CLEATED BELT END DRIVE CONVEYOR

7 6 A M 08 1000 D 0603



*may require belt return rollers

Example: 76AM081000D0603

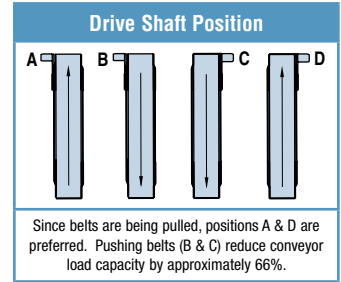
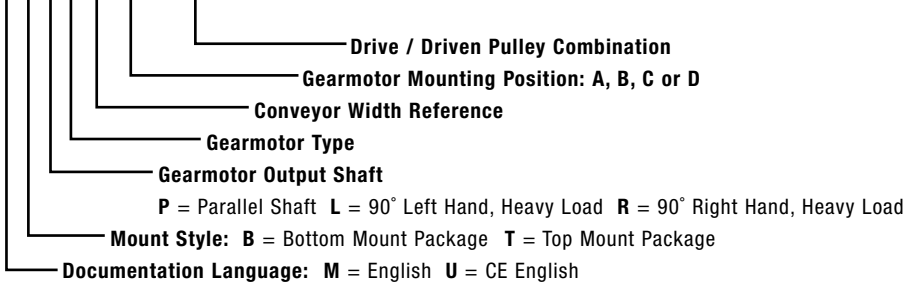
Description: 7300 Series Cleated Belt End Drive Conveyor, 8" (203) wide x 10' (3,048) long drive shaft position D, with Type A cleated belt with cleats spaced on 6.03" (153) centers and English documentation.

These reference charts are only provided as a reference and is not intended to be used for the construction of complete part numbers for order placing. Dorner has a full network of trained Distributors and sales staff equipped with our configuring / pricing software who are able to provide complete and accurate quotes for all standard products in a matter of minutes.

For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

7300 SERIES: GEARMOTOR MOUNTING PACKAGES

73 M B L Z 06 A - 3232

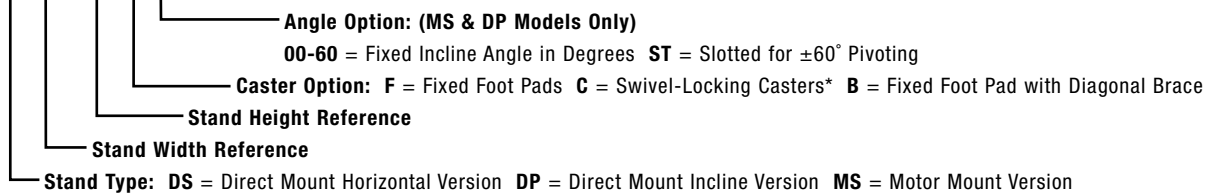


Example: 72MBLZ06A-3232

Description: Sanitary bottom mount package with English documentation for left hand output 90° heavy load sanitary gearmotor, for a 6" (152mm) wide conveyor mounted in the A position with a 32:32 drive / driven pulley combination.

7300 SERIES: SUPPORT STANDS

39M MS 04-4044 F AA



Example: 39MMS04-4044F

Description: Sanitary Support Stand with Fixed Foot Pads, for a 4" (102) wide conveyor and adjustable from 40" to 44" (1016 to 1122) high.

*Stands equipped with casters include diagonal bracing.

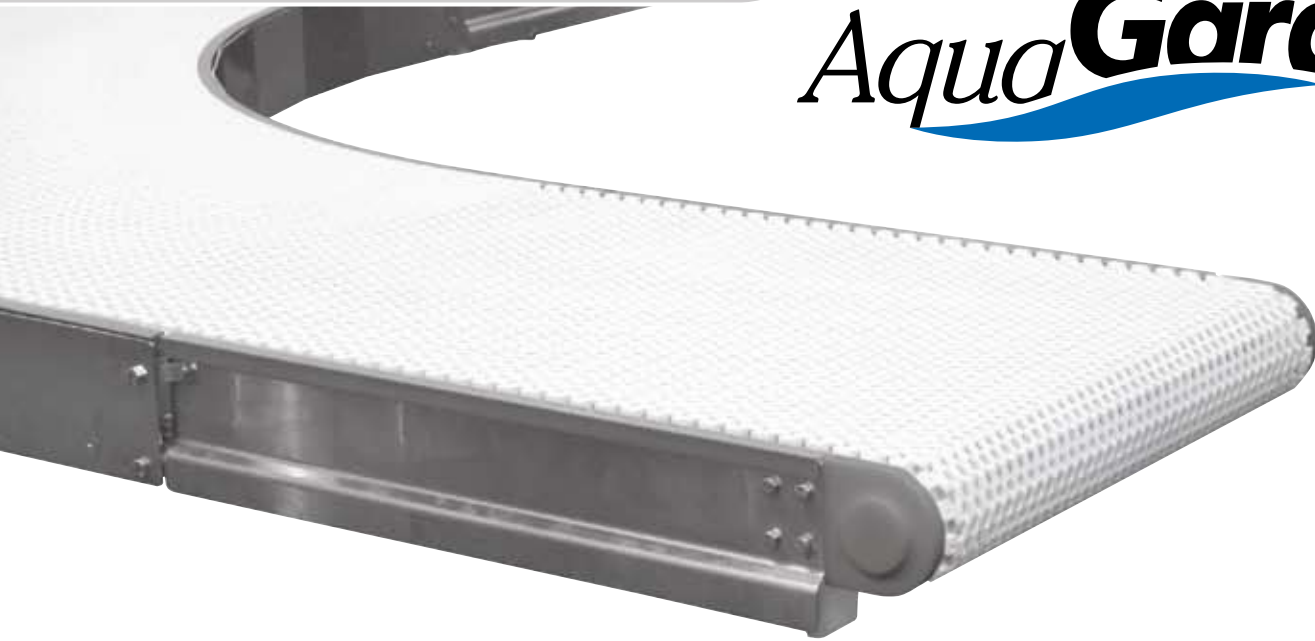
These reference charts are only provided as a reference and is not intended to be used for the construction of complete part numbers for order placing. Dorner has a full network of trained Distributors and sales staff equipped with our configuring / pricing software who are able to provide complete and accurate quotes for all standard products in a matter of minutes.

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AQUAGARD® SERIES

7350 SANITARY CONVEYORS
STAINLESS STEEL

*Aqua***Gard**®

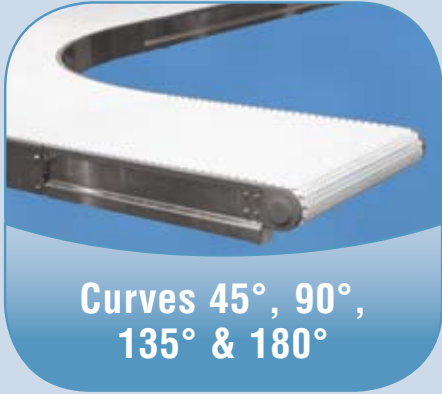


General Specifications:

- Straight Modular Flat and Cleated Belt
- Curved Modular Flat Belt
- Straight Z-frame Modular Flat and Cleated Belt
- Curved Z-frame Modular Flat Belt
- Widths:
 - *Curves:* 4" (102 mm) to 36" (914 mm)
 - *Straights:* 4" (102 mm) to 36" (914 mm)
 - *Z-frame Straights and Curves:* 6" (152 mm) to 24" (610 mm)
- Lengths: 36" (914 mm) to 83' (25,298 mm)
- Load Capacity:
 - *Straights and Z-frame Straights:* up to 750 lbs (453 kg)
 - *Curves and Z-frame Curves:* up to 500 lbs (226 kg)
- **CE** models available

Applications:

- Part Transfers
- Part Accumulation
- Mainline Packaging
- High Speed Long Runs
- Automated and Manual Assembly
- Part Incline / Decline Routing (Z-Frame)



Curves 45°, 90°,
135° & 180°



TIG Welded Stainless
Steel Solid UHMW
Open Frame Design



No Drilling with
Innovative Key Hole
& Mounting Rod



STANDARD FEATURE OVERVIEW **254**

MODULAR FLAT BELT **256**

MODULAR CLEATED BELT **258**

CURVED MODULAR FLAT BELT **260**

Z-FRAME MODULAR FLAT BELT **262**

Z-FRAME MODULAR CLEATED BELT **264**

Z-FRAME CURVED MODULAR FLAT BELT **266**

PROFILES **268**

BELTING **269**

GEARMOTOR MOUNTING PACKAGES **271**

GEARMOTORS **275**

SUPPORT STANDS **281**

POWERED TRANSFER **285**

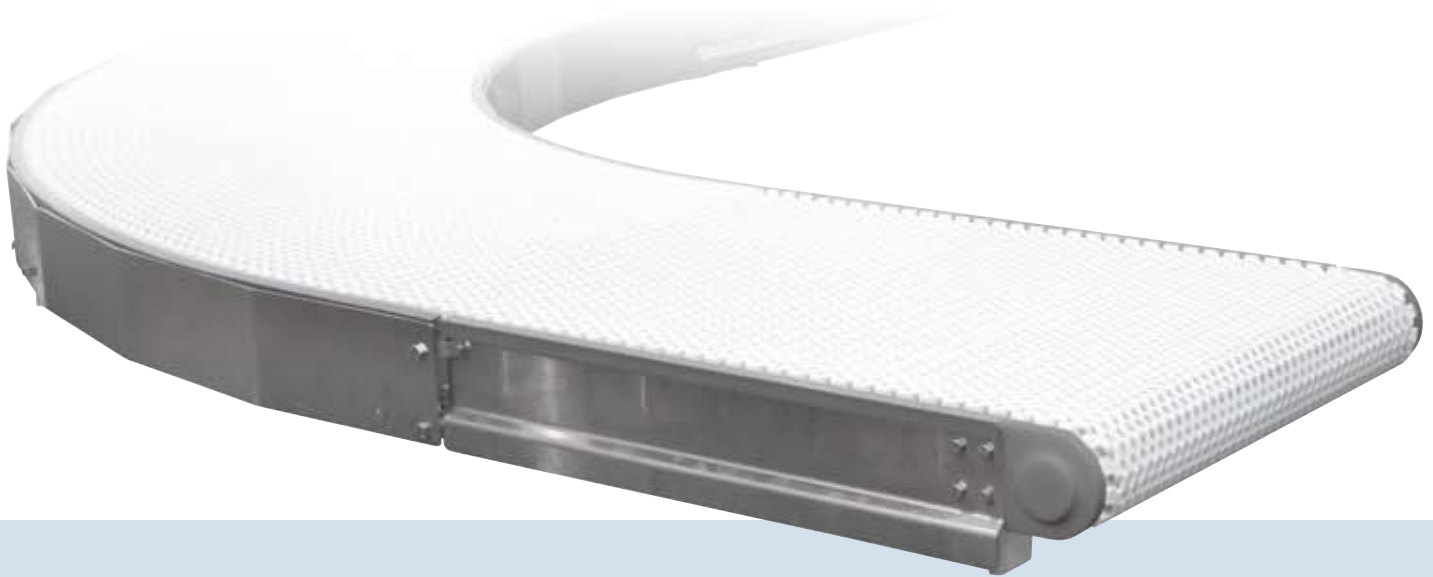
ACCESSORIES **286**

PART NUMBER REFERENCE **288**



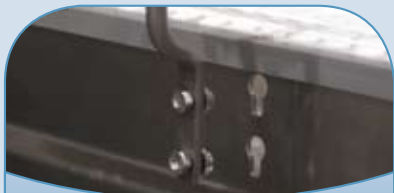
Improve your bottom line results with industry leading speeds, best in class product transfers, and ease of automation.

Dorner's AquaGard is ready for your next product Move!



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



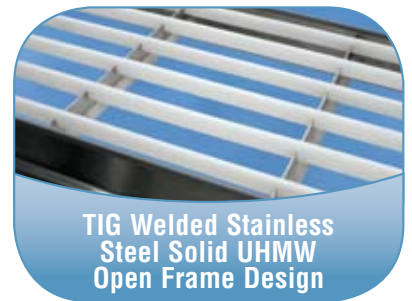
Fully Adjustable Twin Rail



High Side Guide

Maximum Flexibility

- Straight, 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



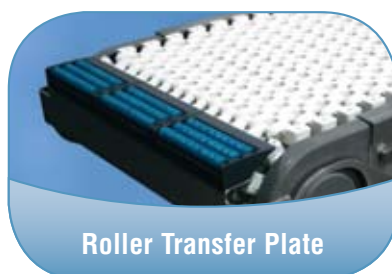
Increase Throughput

- Speeds up to 260 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:

- Loads up to 750 lbs (453 kg)
- Belt speeds up to 260 ft/min maximum (78.6 m/min)
- Belt widths: 4" (102 mm) to 36" (914 mm)
- Total lengths: 3' (914 mm) up to 83' (25,298 mm)
- Wearstrip material is UHMW
- One revolution of the drive pulley moves the belt approximately 12"
- TIG welded 304 Stainless Steel Frame
- Hard Chrome Coated Bearing with FDA H1 Food Grade Grease
- FDA approved belting and plastic components
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.



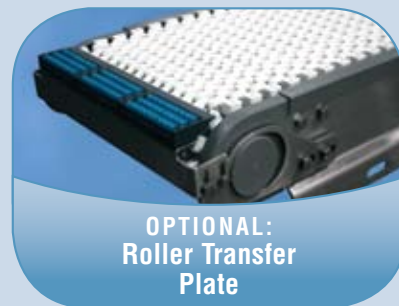
Features & Benefits:

- Frame is constructed of TIG welded 304 stainless steel and features 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 single and twin rail, and high side
- The nose bar drive and idler tails (optional) has 1" diameter pulley available for small product transfers
- The Powered Transfer (optional) has 1/2" diameter pulleys for maintaining speed through transfer
- Roller Transfer Plate (optional) for smooth product transfer in minimal added length
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max



**OPTIONAL:
Powered
Transfer**

For small parts and maintaining speeds through transfer. Slave driven with speeds up to 175 ft/min.



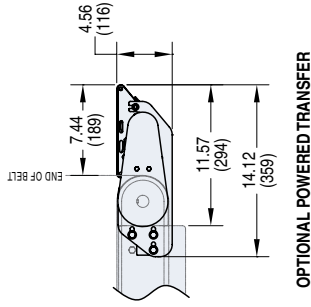
**OPTIONAL:
Roller Transfer
Plate**

For smooth product transitions in minimal added length.

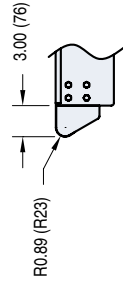
*Order gearmotor mounting packages and gearmotors separately, see pages 271-279.
For support stands and accessories, see pages 281-287.*

For ordering information, see page 288

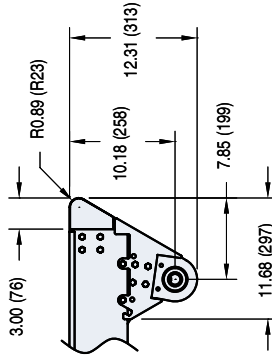
AQUAGARD® 7350 SERIES: MODULAR FLAT BELT



OPTIONAL POWERED TRANSFER



OPTIONAL NOSE BARTAIL

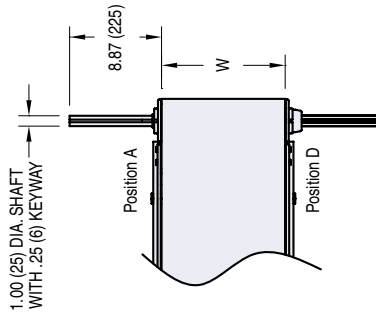


OPTIONAL NOSE BAR DRIVE

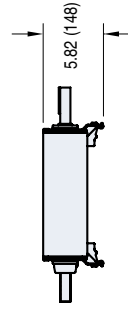


**OPTIONAL:
Nose Bar Drive
and Idler Pulley**

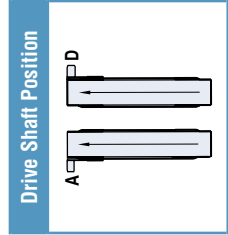
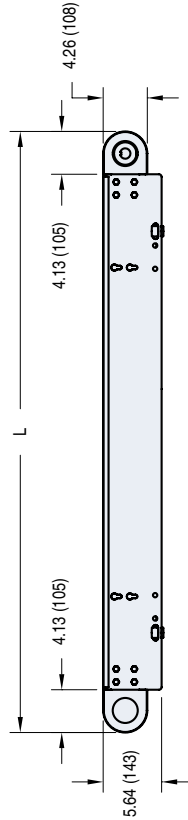
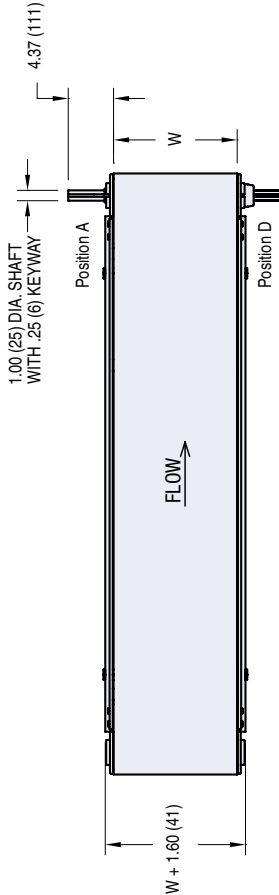
1" (25.4 mm) diameter for small parts transfer. Speeds up to 260 ft/min.



**OPTIONAL LONG SHAFT
FOR SIDE DRIVE**



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



STANDARD SIZES			
Conveyor Width Reference	04	02 increments up to...	36
Conveyor Belt Width (W)	4" (102mm)	2" (51mm) increments up to...	36" (914mm)
Conveyor Length Reference	036	001 increments up to...	999
Conveyor Length (L)	36" (914mm)	1" (25mm) increments up to...	999" (25,375mm)

Note: Nose Bar drive conveyors have a minimum conveyor length of 48"

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:

- Loads up to 750 lbs (453 kg)
- Belt speeds up to 260 ft/min maximum (78.6 m/min)
- Belt widths: 4" (102 mm) to 24" (610 mm)
- Total lengths: 3' (914 mm) up to 83' (25,298 mm)
- Cleats available in 1" and 3" heights
- Wearstrip material is UHMW
- One revolution of the drive pulley moves the belt approximately 12"
- TIG welded 304 Stainless Steel Frame
- Hard Chrome Coated Bearing with FDA H1 Food Grade Grease
- FDA approved belting and plastic components
- **CE** models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.



Features & Benefits:

- Frame is constructed of TIG welded 304 stainless steel and features 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 single and twin rail, and high side
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max



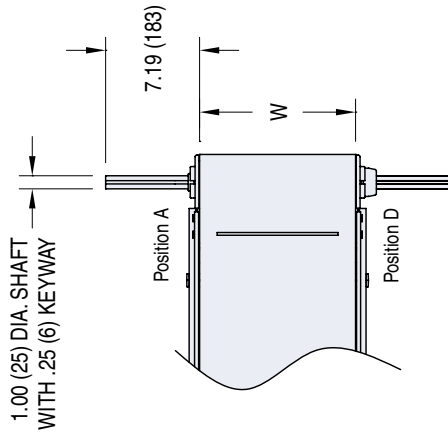
High Side Guides



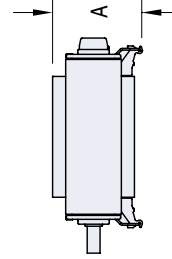
No Drilling with Innovative Key Hole & Mounting Rod

*Order gearmotor mounting packages and gearmotors separately, see pages 271-279.
For support stands and accessories, see pages 281-287.*

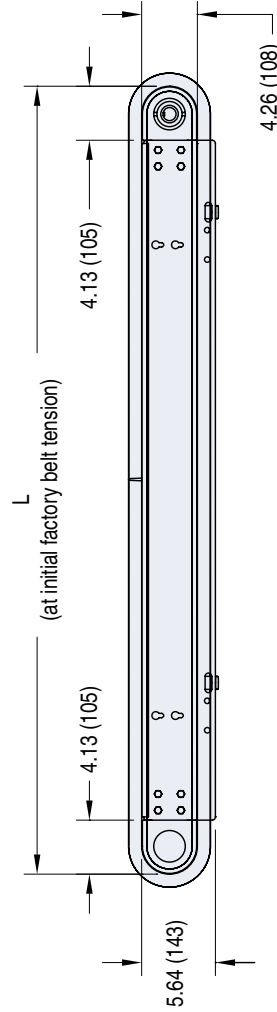
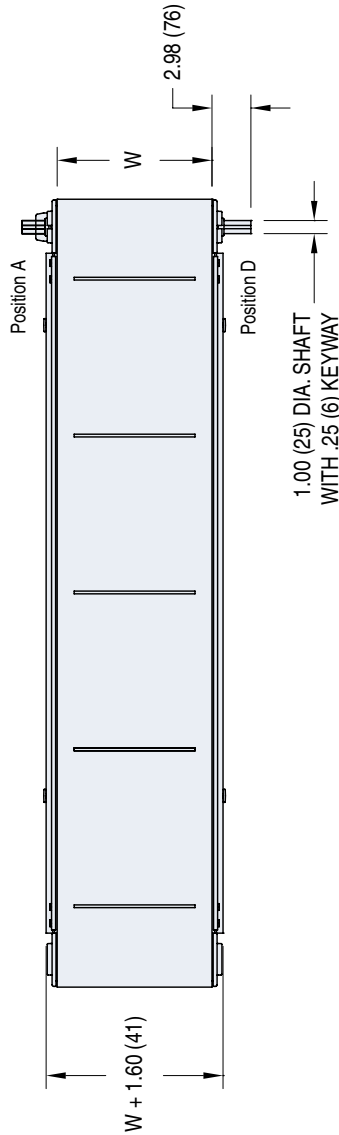
For ordering information, see page 289



OPTIONAL LONG SHAFT FOR SIDE DRIVE

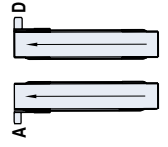


A = 6.82 (173) for 1" Cleats
8.82 (224) for 3" Cleats



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

Drive Shaft Position

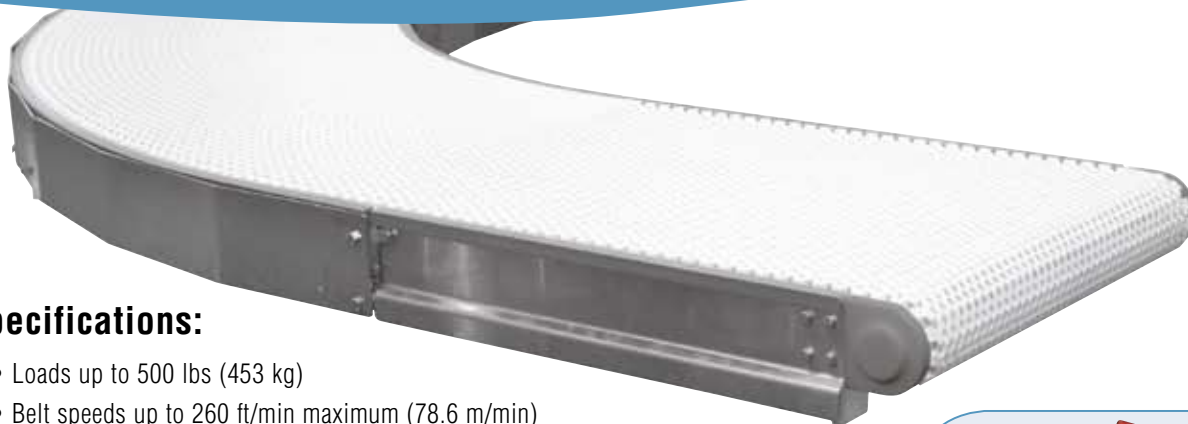


STANDARD SIZES			
Conveyor Width Reference	04	02 increments up to...	24
Conveyor Belt Width (W)	4" (102mm)	2" (51mm) increments up to...	24" (610mm)
Conveyor Length Reference	036	001 increments up to...	999
Conveyor Length (L)	36" (914mm)	1" (25mm) increments up to...	999" (25,375mm)

For more information, go to www.dorner.com. Call 800.397.8664 or 262.367.7600.

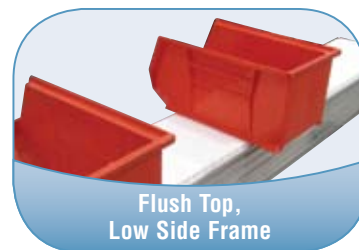
Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user.

AquaGard® 7350 SERIES: CURVED MODULAR FLAT BELT



Specifications:

- Loads up to 500 lbs (453 kg)
- Belt speeds up to 260 ft/min maximum (78.6 m/min)
- Belt widths: 4" (102 mm) to 36" (914 mm)
- Total lengths up to 83' (25,298 mm)
- 45°, 90°, 135°, & 180° curves available
- Wearstrip material is UHMW
- One revolution of the drive pulley moves the belt approximately 12"
- TIG welded 304 Stainless Steel Frame
- Hard Chrome Coated Bearing with FDA H1 Food Grade Grease
- FDA approved belting and plastic components
- CE models available



Flush Top,
Low Side Frame



* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

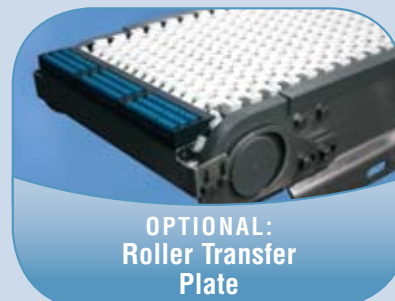
Features & Benefits:

- Frame is constructed of TIG welded 304 stainless steel and features 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 single and twin rail, and high side
- The Powered Transfer (optional) has 1/2" diameter pulleys for maintaining speed through transfer
- Roller Transfer Plate (optional) for smooth product transfer in minimal added length
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max



OPTIONAL:
Powered
Transfer

For small parts and maintaining speeds through transfer. Slave driven with speeds up to 260 ft/min.



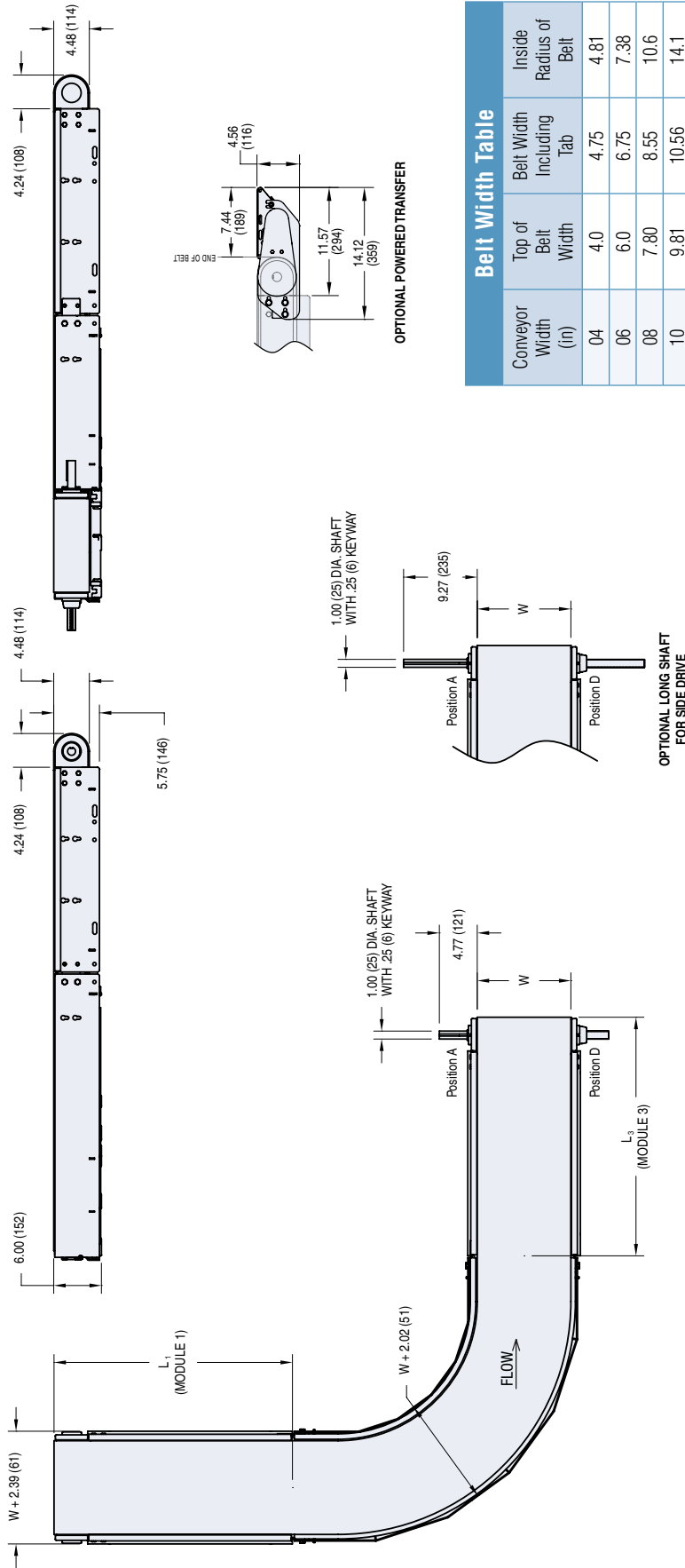
OPTIONAL:
Roller Transfer
Plate

For smooth product transitions in minimal added length.

Order gearmotor mounting packages and gearmotors separately, see pages 271-279.
For support stands and accessories, see pages 281-287.

For ordering information, see page 290

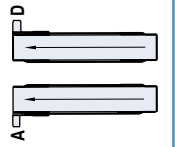
AQUAGARD® 7350 SERIES: CURVED MODULAR FLAT BELT



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

Conveyor Width (in)	Top of Belt Width	Belt Width Including Tab	Inside Radius of Belt
04	4.0	4.75	4.81
06	6.0	6.75	7.38
08	7.80	8.55	10.6
10	9.81	10.56	14.1
12	11.79	12.53	17.5
14	13.75	14.50	20.8
16	15.72	16.47	24.1
18	17.69	18.44	27.4
20	19.66	20.41	30.7
22	21.63	22.38	33.9
24	23.60	24.35	37.2
26	25.55	26.29	40.5
28	27.51	28.26	43.6
30	29.48	30.23	47.0
32	31.45	32.20	50.2
34	33.42	34.17	53.6
36	35.39	36.14	56.8

Drive Shaft Position

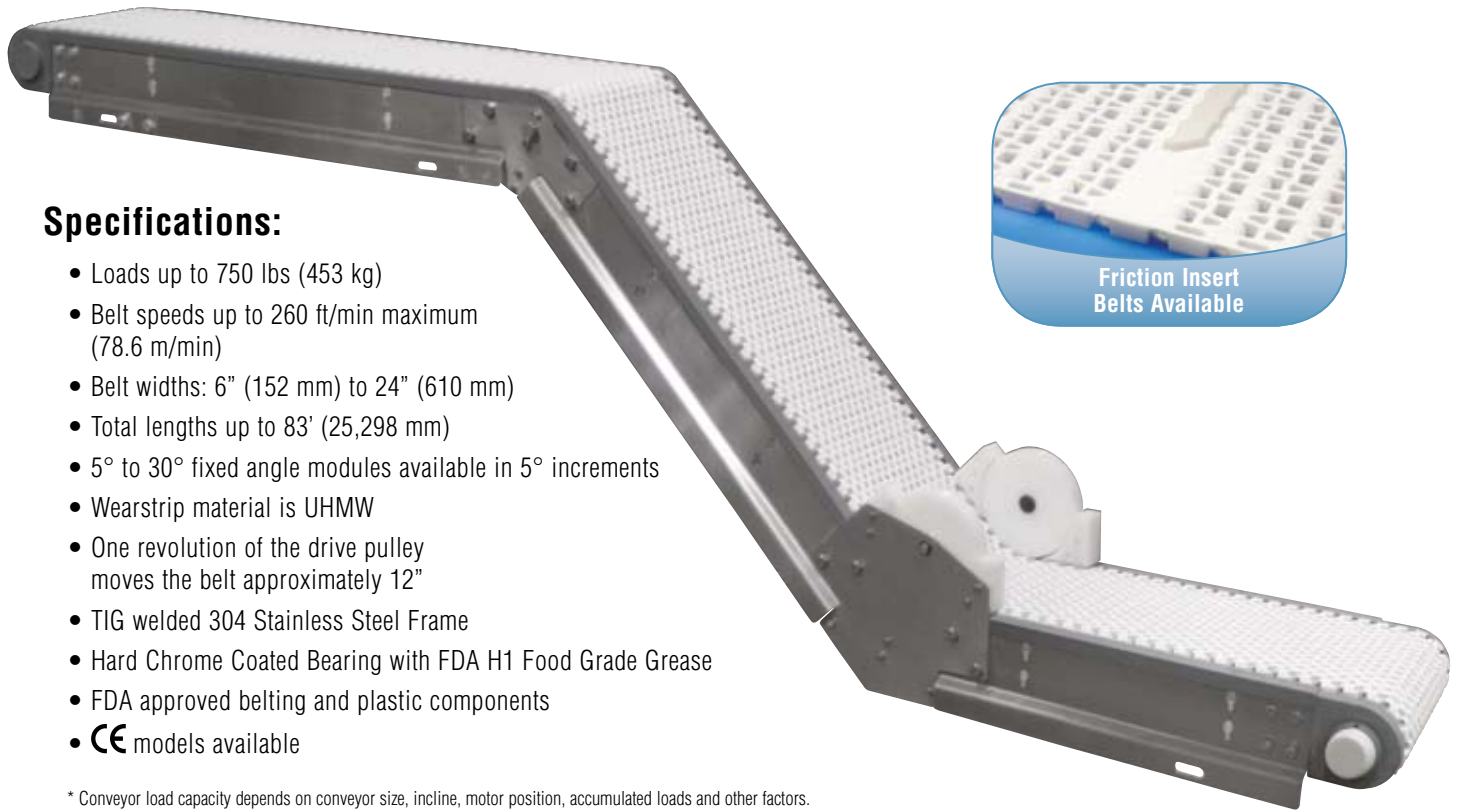


Conveyor Width Reference	04	02 increments up to...	36
Conveyor Belt Width (W)	4" (102mm)	2" (51mm) increments up to...	36" (914mm)
Conveyor Length Reference	036	001 increments up to...	999
Conveyor Length (L ₁)	Greater of 20" (508mm) or 1.5W	1" (25mm) increments up to...	999" (25,375mm)
Conveyor Length (L ₃)	Greater of 36" (914mm) or 2W	1" (25mm) increments up to...	999" (25,375mm)

Note: Nose Bar drive conveyors have a minimum conveyor length of 48"

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.

AquaGard® 7350 SERIES: Z-FRAME MODULAR FLAT BELT



Specifications:

- Loads up to 750 lbs (453 kg)
- Belt speeds up to 260 ft/min maximum (78.6 m/min)
- Belt widths: 6" (152 mm) to 24" (610 mm)
- Total lengths up to 83' (25,298 mm)
- 5° to 30° fixed angle modules available in 5° increments
- Wearstrip material is UHMW
- One revolution of the drive pulley moves the belt approximately 12"
- TIG welded 304 Stainless Steel Frame
- Hard Chrome Coated Bearing with FDA H1 Food Grade Grease
- FDA approved belting and plastic components
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.



Friction Insert Belts Available

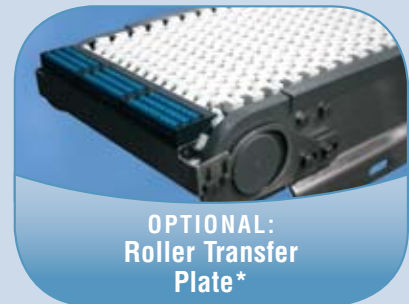
Features & Benefits:

- Frame is constructed of TIG welded 304 stainless steel and features 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 single and twin rail, and high side
- The nose bar drive and idler tails (optional) has 1" diameter pulley available for small product transfers
- The Powered Transfer (optional) has 1/2" diameter pulleys for maintaining speed through transfer
- Roller Transfer Plate (optional) for smooth product transfer in minimal added length
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max



OPTIONAL:
Powered Transfer*

For small parts and maintaining speeds through transfer. Slave driven with speeds up to 175 ft/min.



OPTIONAL:
Roller Transfer Plate*

For smooth product transitions in minimal added length.

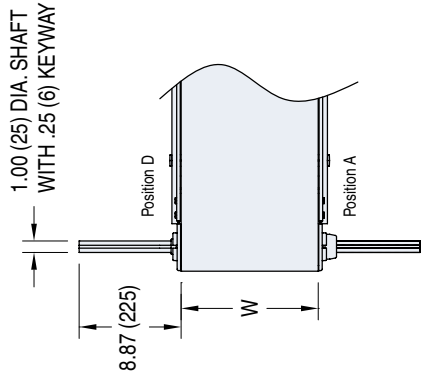


Z-Frame Configurations

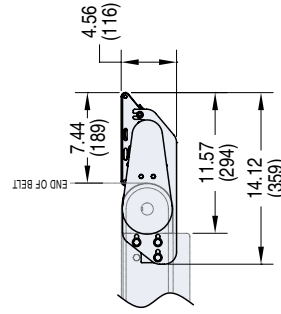
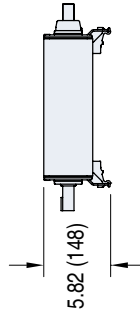
* Powered Transfer and Roller Transfer Plate are not compatible with friction insert belting.

Order gearmotor mounting packages and gearmotors separately, see pages 271-279.

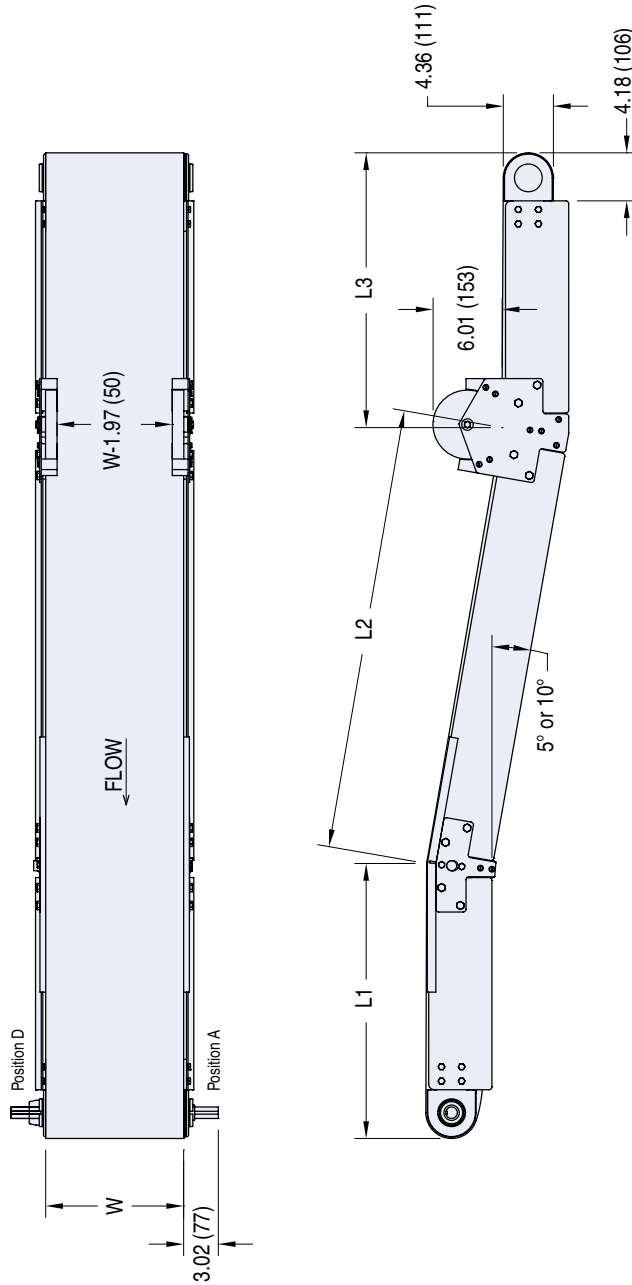
For support stands and accessories, see pages 281-287.



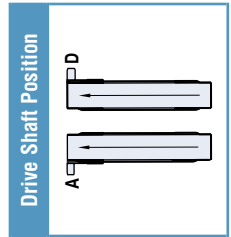
**OPTIONAL LONG SHAFT
FOR SIDE DRIVE**



**OPTIONAL
POWERED TRANSFER**



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



STANDARD SIZES			
Conveyor Width Reference	06	02 increments up to...	24
Conveyor Belt Width (W)	6" (152mm)	2" (51mm) increments up to...	24" (610mm)
Conveyor Length Reference	024	001 increments up to...	999
Conveyor Length (L ₁ , L ₂ , L ₃)	24" (610mm)	1" (25mm) increments up to...	999" (25,375mm)

Note: Nose Bar drive conveyors have a minimum conveyor length of 48"

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:

- Loads up to 750 lbs (453 kg)
- Belt speeds up to 260 ft/min maximum (78.6 m/min)
- Belt widths: 6" (152 mm) to 24" (610 mm)
- Total lengths up to 83' (25,298 mm)
- 5° to 60° fixed angle modules available in 5° increments
- Wearstrip material is UHMW
- One revolution of the drive pulley moves the belt approximately 12"
- TIG welded 304 Stainless Steel Frame
- Hard Chrome Coated Bearing with FDA H1 Food Grade Grease
- FDA approved belting and plastic components
- **CE** models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Frame is constructed of TIG welded 304 stainless steel and features 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 single and twin rail, and high side
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max



High Side Guides

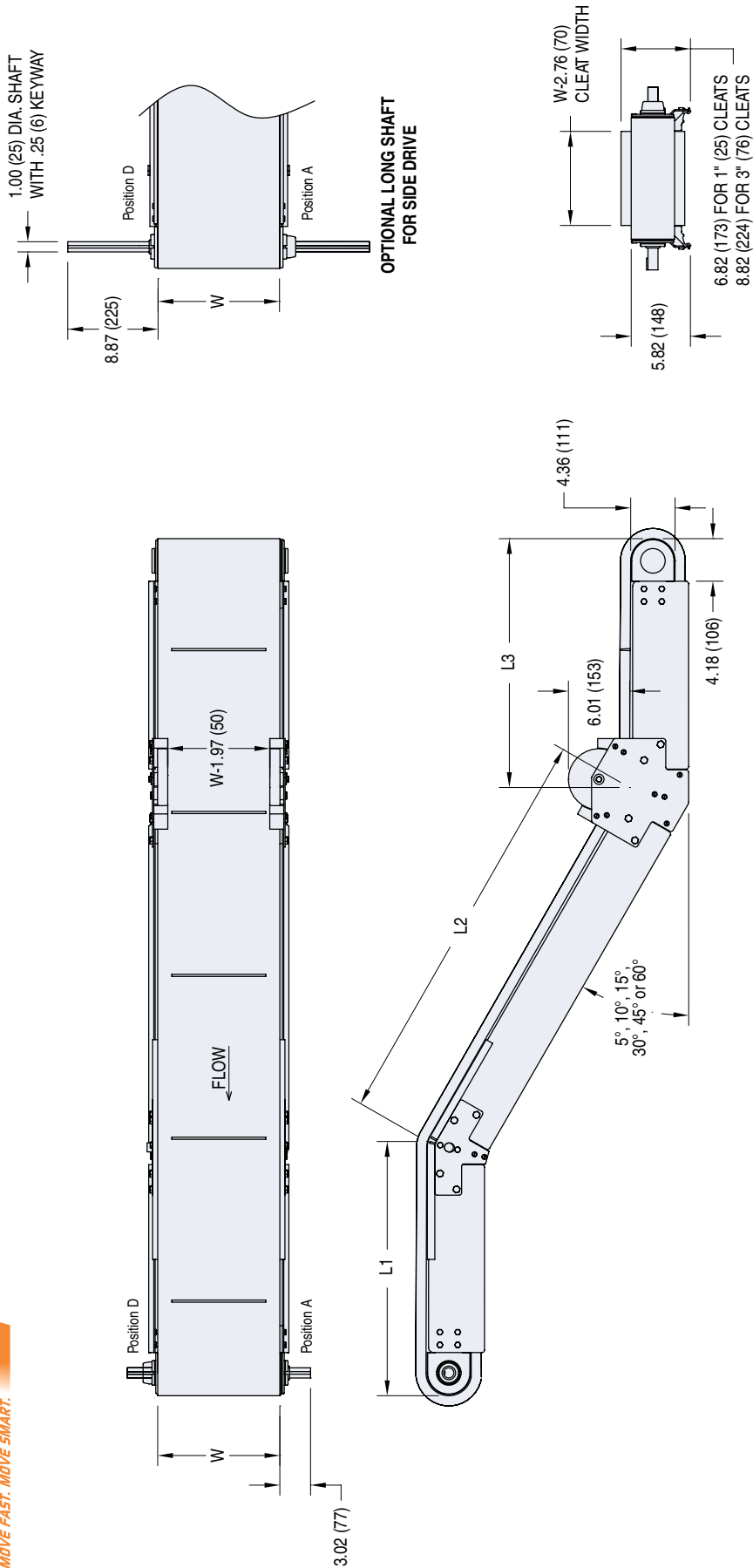


No Drilling with Innovative Key Hole & Mounting Rod

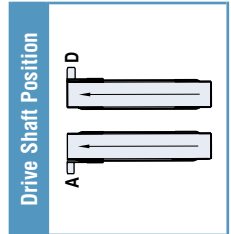


Z-Frame Configurations

Order gearmotor mounting packages and gearmotors separately, see pages 271-279.
For support stands and accessories, see pages 281-287.



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



STANDARD SIZES			
Conveyor Width Reference	06	02 increments up to ...	24
Conveyor Belt Width (W)	6" (152mm)	2" (51mm) increments up to ...	24" (610mm)
Conveyor Length Reference	024	001 increments up to ...	999
Conveyor Length (L₁, L₂, L₃)	24" (610mm)	1" (25mm) increments up to ...	999" (25,375mm)

Note: Nose Bar drive conveyors have a minimum conveyor length of 48"

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.

AquaGard® 7350 SERIES: Z-FRAME CURVED MODULAR FLAT BELT

Specifications:

- Loads up to 500 lbs (453 kg)
- Belt speeds up to 260 ft/min maximum (78.6 m/min)
- Belt widths: 6" (152 mm) to 24" (610 mm)
- Total lengths up to 83' (25,298 mm)
- 45°, 90°, 135°, & 180° curves available
- 5° to 30° fixed angle modules available in 5° increments
- Wearstrip material is UHMW
- TIG welded 304 Stainless Steel Frame
- Hard Chrome Coated Bearing with FDA H1 Food Grade Grease
- FDA approved belting and plastic components
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.



Friction Insert Belts Available

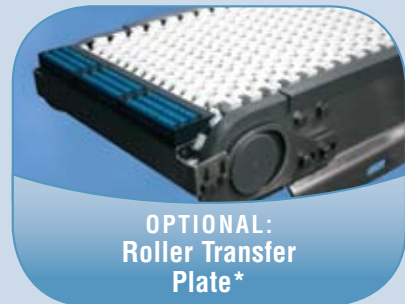
Features & Benefits:

- Frame is constructed of TIG welded 304 stainless steel and features 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 single and twin rail, and high side
- The Powered Transfer (optional) has 1/2" diameter pulleys for maintaining speed through transfer
- Roller Transfer Plate (optional) for smooth product transfer in minimal added length.
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max



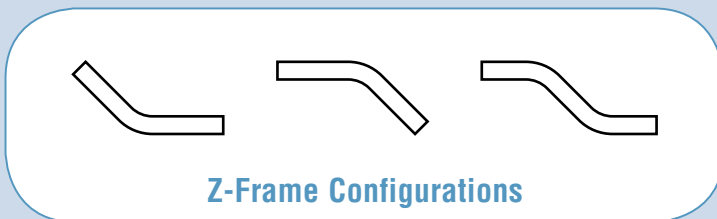
OPTIONAL:
Powered
Transfer*

For small parts and maintaining speeds through transfer. Slave driven with speeds up to 175 ft/min.



OPTIONAL:
Roller Transfer
Plate*

For smooth product transitions in minimal added length.



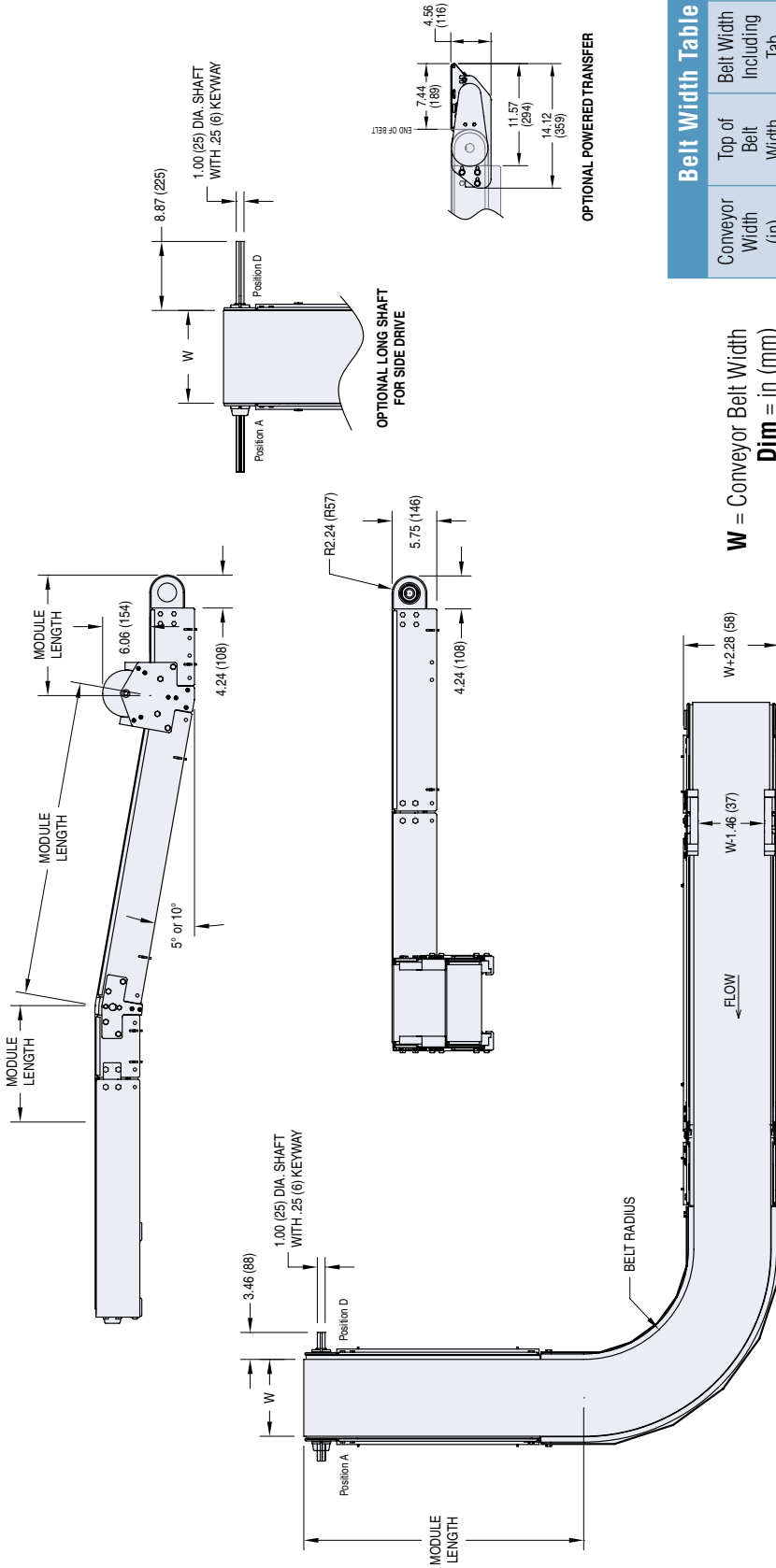
Z-Frame Configurations

* Powered Transfer and Roller Transfer Plate are not compatible with friction insert belting.

Order gearmotor mounting packages and gearmotors separately, see pages 271-279.

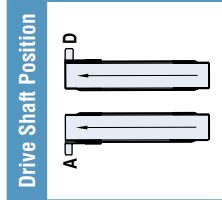
For support stands and accessories, see pages 281-287.

AQUAGARD® 7350 SERIES: Z-FRAME CURVED MODULAR FLAT BELT



OPTIONAL POWERED TRANSFER

W = Conveyor Belt Width
Dim = in (mm)



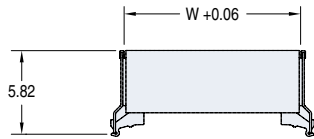
STANDARD SIZES			
Conveyor Width Reference	06	02 increments up to ...	24
Conveyor Belt Width (W)	6" (152mm)	2" (51mm) increments up to ...	24" (610mm)
Conveyor Length Reference (L ₁)	036	001 increments up to ...	999
Conveyor Length (L ₁)	Greater of 36" (914mm) or 2W	1" (25mm) increments up to ...	999" (25,375mm)
Conveyor Length Reference (L ₂)	020	001 increments up to ...	999
Conveyor Length (L ₂)	Greater of 20" (508mm) or 1.5W	1" (25mm) increments up to ...	999" (25,375mm)
Conveyor Length Reference (L ₃ , L ₄)	024	001 increments up to ...	999
Conveyor Length (L ₃ , L ₄)	24" (610mm)	1" (25mm) increments up to ...	999" (25,375mm)

Note: Nose Bar drive conveyors have a minimum conveyor length of 48"

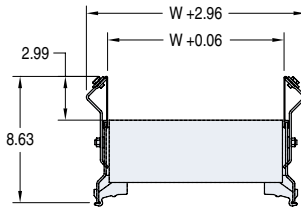
Belt Width Table				
Conveyor Width (in)	Top of Belt Width	Belt Width Including Tab	Inside Radius of Belt	
04	4.0	4.75	4.81	
06	6.0	6.75	7.38	
08	7.80	8.55	10.6	
10	9.81	10.56	14.1	
12	11.79	12.53	17.5	
14	13.75	14.50	20.8	
16	15.72	16.47	24.1	
18	17.69	18.44	27.4	
20	19.66	20.41	30.7	
22	21.63	22.38	33.9	
24	23.60	24.35	37.2	

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.

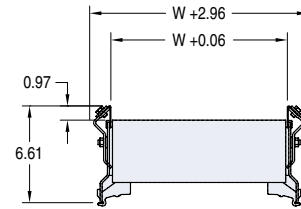
FLAT PROFILES



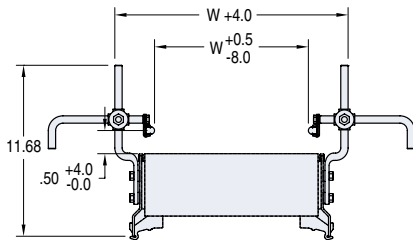
01
Low Side



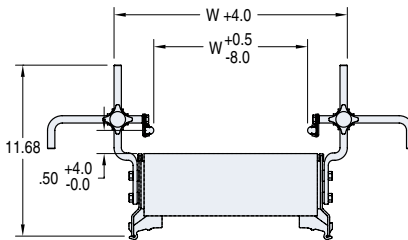
04
3" Bolt-On High Side



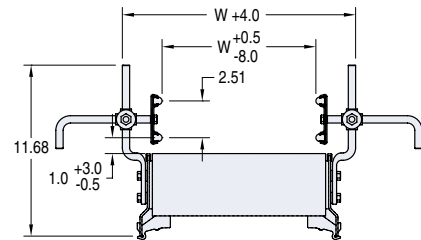
05
1" Bolt-On High Side



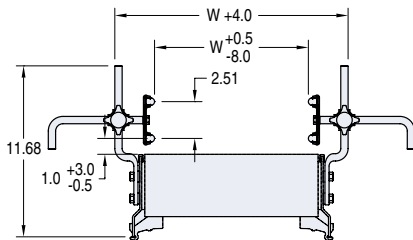
13
Fully Adjustable Round



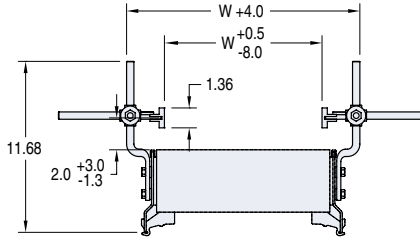
14
Fully Adjustable Round
w/ Tool-less Handles



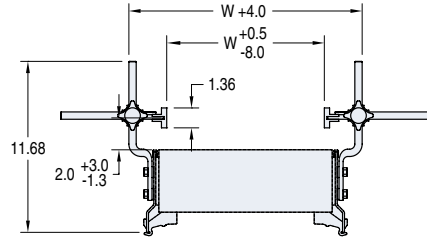
15
Fully Adjustable Twin Rail



16
Fully Adjustable Twin Rail
w/ Tool-less Handles



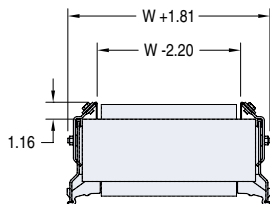
17
Fully Adjustable Flat



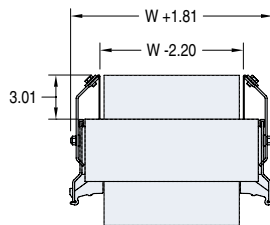
18
Fully Adjustable Flat
w/ Tool-less Handles

Note: Profile 17 and 18 use flexible UHMW rail for flex around curve module.

CLEATED PROFILES



02
1" Bolt-On High Side



03
3" Bolt-On High Side

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

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

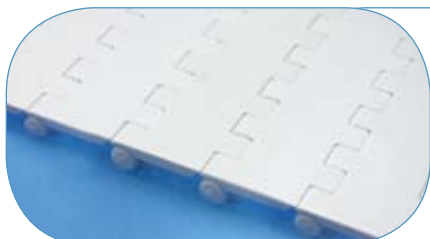
Dorner's Standard Modular Plastic Belting offers these valuable advantages:



Friction Inserts

are available for incline applications. Inserts may be placed along entire length of the belt or spaced on 2", 4", 6" or 12" centers.

Friction inserts are indented 2" (51 mm) from each belt edge.



Flat Top Belts

provide a very closed surface for complete product support, easy wiping.



Flush Grid Belts

provide an open surface for better drainage, cleaning or air flow/cooling.



Curve Belts

provide a tight radius, space saving corner. Side tabs ensure positive belt tracking with a flush top design. Reduces number of drives.



Cleated Belts

provide a sturdy cleat for elevation at steep inclines. Cleats available in 1" and 3" heights.

Standard Plastic Chain Options

Belt Type		Part Number Reference	Description	% Open	Pitch in (mm)	Belt Thickness in (mm)	Color	Belt Material	Rod Material	Minimum Product Temperature F(C)***	Maximum Product Temperature F(C)***	FDA / CFIA Approved*	Chemical Resistance	Wear Resistance	Maximum Incline / Decline (degrees)**	Nose Bar Idler Diameter in (mm)
Straight Flat Belts	Standard Drive & Idler Pulley	MN	Flat top	0	1 (25)	0.39 (10)	Blue	Acetal	Polypropylene	40 (5)	200 (93)	Y	Good	V-Good	5	N/A
		MP	Flat top	0	1 (25)	0.39 (10)	White	Polypropylene	Polypropylene	40 (5)	220 (105)	Y	V-Good	Good	5	N/A
		MC	Flush Grid	35	1 (25)	0.39 (10)	White	Acetal	Polypropylene	40 (5)	200 (93)	Y	Good	V-Good	5	N/A
		MD	Flush Grid	35	1 (25)	0.39 (10)	White	Polypropylene	Polypropylene	40 (5)	220 (105)	Y	V-Good	Good	5	N/A
	Nose Bar Drive or Nose Bar Idler	MG	Flat top	0	0.5 (13)	0.39 (10)	White	Acetal	Nylon	-40 (-40)	200 (93)	Y	Good	V-Good	5	1 (25)
		MH	Flat top	0	0.5 (13)	0.39 (10)	White	Polypropylene	Nylon	40 (5)	220 (105)	Y	V-Good	Good	5	1 (25)
		MJ	Flush Grid	25	0.5 (13)	0.39 (10)	White	Acetal	Nylon	-40 (-40)	200 (93)	Y	Good	V-Good	5	1 (25)
		MK	Flush Grid	25	0.5 (13)	0.39 (10)	White	Polypropylene	Nylon	40 (5)	220 (105)	Y	V-Good	Good	5	1 (25)
Cleated Straight Belts	Standard Drive	NJ	Flat top w/ 1" Cleats	0	1 (25)	0.39 (10)	Blue	Acetal	Polypropylene	40 (5)	200 (93)	Y	Good	V-Good	60°	N/A
		NK	Flat top w/ 1" Cleats	0	1 (25)	0.39 (10)	White	Polypropylene	Polypropylene	40 (5)	220 (105)	Y	V-Good	Good	60°	N/A
		NL	Flat top w/ 3" Cleats	0	1 (25)	0.39 (10)	Blue	Acetal	Polypropylene	40 (5)	200 (93)	Y	Good	V-Good	60°	N/A
		NM	Flat top w/ 3" Cleats	0	1 (25)	0.39 (10)	White	Polypropylene	Polypropylene	40 (5)	220 (105)	Y	V-Good	Good	60°	N/A
		NE	Flush Grid w/ 1" cleats	35	1 (25)	0.39 (10)	White	Acetal	Polypropylene	40 (5)	200 (93)	Y	Good	V-Good	60°	N/A
		NF	Flush Grid w/ 1" cleats	35	1 (25)	0.39 (10)	White	Polypropylene	Polypropylene	40 (5)	220 (105)	Y	V-Good	Good	60°	N/A
		NG	Flush Grid w/ 3" cleats	35	1 (25)	0.39 (10)	White	Acetal	Polypropylene	40 (5)	200 (93)	Y	Good	V-Good	60°	N/A
		NH	Flush Grid w/ 3" cleats	35	1 (25)	0.39 (10)	White	Polypropylene	Polypropylene	40 (5)	220 (105)	Y	V-Good	Good	60°	N/A
Friction Top Straight Belts	Standard Drive	SEE TABLE BELOW	Flat top w/ friction inserts	0	1 (25)	0.55 (14)	White	Polypropylene	Polypropylene	40 (5)	140 (60)	Y	V-Good	Poor	20	N/A
		SEE TABLE BELOW	Flush Grid w/ friction inserts	35	1 (25)	0.55 (14)	White	Polypropylene	Polypropylene	40 (5)	140 (60)	Y	V-Good	Poor	20	N/A
Curved Flat Belts	Standard & Nose Bar Idler Pulley	MT	Tight Radius	35	1 (25)	0.5 (13)	White	Acetal	Nylon	-40 (-40)	200 (93)	Y	Good	V-Good	N/A	1.6 (41)

* FDA = Food and Drug Administration, CFIA = Canadian Food Inspection Agency

** Temperature, environmental conditions, product materials and product configuration effect the maximum incline or decline. Product testing is recommended.

*** These do not indicate ambient running conditions. Ambient temperature range is 30 to 100 F (-1 to 38 C).

Product temperature is dependent on length of time product is in direct contact with belt surface. Product testing is recommended.

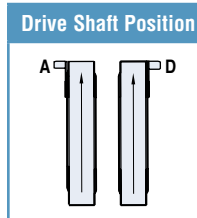
FRICION TOP STRAIGHT PLASTIC CHAIN: Part number reference chart

Flat Top w/ Friction Inserts Part Number Reference	TA	TB	TC	TD	TE
Flush Grid w/ Friction Inserts Part Number Reference	N/A	TF	TG	TH	TJ
Friction Insert Spacing [links]	1	2	4	6	12
Friction Insert Spacing	1" (25 mm)	2" (51 mm)	4" (102 mm)	6" (152 mm)	12" (305 mm)

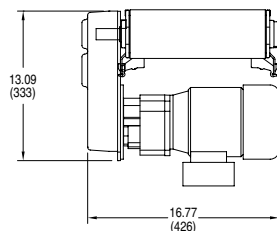
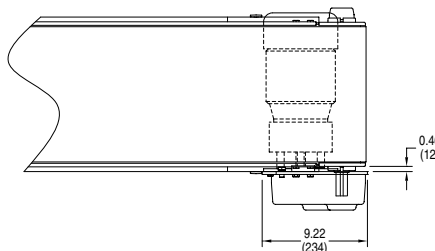
Note: Friction Top not available on nose bar drives

GEARMOTOR MOUNTING PACKAGE & GEARMOTOR SELECTION STEPS

- Step 1:** Select a **Gearmotor Mounting Package** (page 271-272).
- Step 2:** Locate the appropriate gearmotor chart (pages 275-279) in terms of **Painted** vs. **Stainless Steel** and **Fixed Speed** vs. **Variable Speed**.
- Step 3:** Use the **Belt Speed Column** to locate the **Part Number** for your desired Gearmotor.



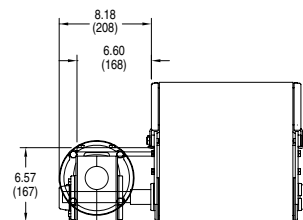
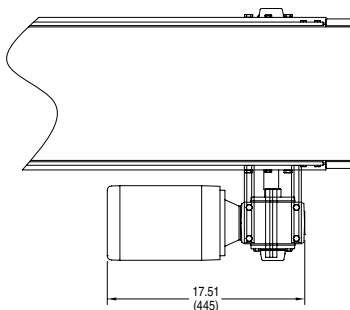
Bottom Mount Package, Parallel Shaft Gearmotor



- Includes stainless steel gearmotor mounting bracket, timing belt, plated pulleys, guard and mounting hardware
- Conveyor belt speed can be adjusted with optional ratio pulley kits

W = Conveyor Belt Width

Nose Bar Mount Package, 90° Gearmotor



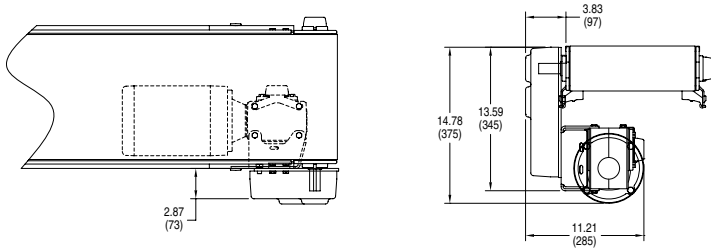
- Includes stainless steel gearmotor mounting bracket and mounting hardware

W = Conveyor Belt Width

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

AquaGard® 7350 SERIES: GEARMOTOR MOUNTING PACKAGES

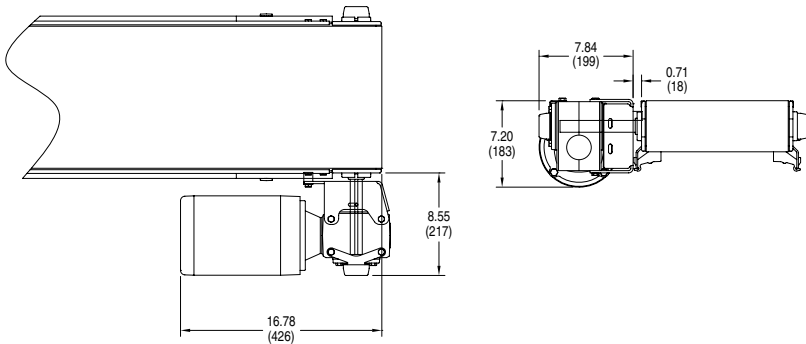
Bottom Mount Package, 90° Gearmotor



- Includes stainless steel gearmotor mounting bracket, timing belt, plated pulleys, guard and mounting hardware
- Conveyor belt speed can be adjusted with optional ratio pulley kits

W = Conveyor Belt Width

Side Mount Package, 90° Gearmotor

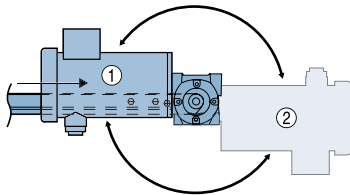


- Includes stainless steel gearmotor mounting bracket and mounting hardware

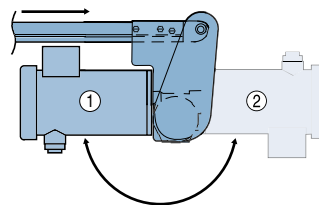
W = Conveyor Belt Width

90° Gearmotor Location Options

Side Mount



Bottom Mount



Due to the wide variety of drive set ups and applications, point of installation guarding is the responsibility of the end user. Dimensions = in (mm)

For ordering information, see page 294

Parallel Shaft Gearmotor

Fixed Speed						
Belt Speed		RPM From Gearmotor	Mount Package	Pulley Kit		Gearmotor Chart
Ft/min	M/min		Bottom	Drive Pulley	Driven Pulley	
21	6.4	21	x	30	30	1
25	7.7	21	x	36	30	1
31	9.4	31	x	30	30	1
37	11.3	31	x	36	30	1
50	15.2	50	x	30	30	1
60	18.3	50	x	36	30	1
84	25.6	84	x	30	30	1
101	30.7	84	x	36	30	1
122	37.2	122	x	30	30	1
146	44.6	122	x	36	30	1
170	51.8	170	x	30	30	1
190	57.9	190	x	36	30	1
204	62.2	170	x	30	30	1
228	69.5	190	x	36	30	1
258	78.6	258	x	30	30	1
CE Gearmotor RPM at 50 Hz.						
17	5.2	17	x	30	30	2
20	6.2	17	x	36	30	2
36	11.0	36	x	30	30	2
43	13.2	36	x	36	30	2
48	14.6	48	x	30	30	2
58	17.6	48	x	36	30	2
74	22.6	74	x	30	30	2
89	27.1	74	x	36	30	2
88	26.8	88	x	30	30	2
106	32.2	88	x	36	30	2
127	38.7	127	x	30	30	2
152	46.5	127	x	36	30	2
158	48.2	158	x	30	30	2
190	57.8	158	x	36	30	2
194	59.1	194	x	30	30	2
233	71.0	194	x	36	30	2

Variable Speed						
Belt Speed		RPM From Gearmotor	Mount Package	Pulley Kit		Gearmotor Chart
Ft/min	M/min		Bottom	Drive Pulley	Driven Pulley	
4 - 21	1.3 - 6.4	21	x	30	30	6
5 - 25	1.5 - 7.7	21	x	36	30	6
6 - 31	1.9 - 9.4	31	x	30	30	6
7 - 37	2.3 - 11.3	31	x	36	30	6
10 - 50	3.0 - 15.2	50	x	30	30	6
12 - 60	3.7 - 18.3	50	x	36	30	6
17 - 84	5.1 - 25.6	84	x	30	30	6
20 - 101	6.1 - 30.7	84	x	36	30	6
24 - 122	7.4 - 37.2	122	x	30	30	6
29 - 146	8.9 - 44.6	122	x	36	30	6
34 - 170	10.4 - 51.8	170	x	30	30	6
38 - 190	11.6 - 57.9	190	x	36	30	6
41 - 204	12.4 - 62.2	170	x	30	30	6
46 - 228	13.9 - 69.5	190	x	36	30	6
52 - 258	15.7 - 78.6	258	x	30	30	6
CE RPM from 50 Hz. gearmotors. VFD drive at 63 max. Hz. output.						
4 - 27	2.6 - 5.2	17	x	30	30	7
5 - 33	3.1 - 6.2	17	x	36	30	7
9 - 58	5.5 - 11.0	36	x	30	30	7
10 - 69	6.6 - 13.2	36	x	36	30	7
12 - 77	7.3 - 14.6	48	x	30	30	7
14 - 92	8.8 - 17.6	48	x	36	30	7
18 - 118	11.3 - 22.6	74	x	30	30	7
21 - 142	13.5 - 27.1	74	x	36	30	7
21 - 141	13.4 - 26.8	88	x	30	30	7
25 - 169	16.1 - 32.2	88	x	36	30	7
30 - 203	19.4 - 38.7	127	x	30	30	7
37 - 244	23.2 - 46.5	127	x	36	30	7
38 - 253	24.1 - 48.2	158	x	30	30	7

Washdown 90° Gearmotor

Fixed Speed							
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart
Ft/min	m/min		Bottom	Side & Nose Bar	Drive Pulley	Driven Pulley	
22	6.7	22	x	x	30	30	3, 4
26	8.0	22	x		36	30	3, 4
29	8.8	29	x	x	30	30	3, 4
35	10.6	29	x		36	30	3, 4
44	13.4	44	x	x	30	30	3, 4
53	16.1	44	x		36	30	3, 4
58	17.7	58	x	x	30	30	3, 4
70	21.2	58	x		36	30	3, 4
87	26.5	87	x	x	30	30	3, 4
104	31.8	87	x		36	30	3, 4
117	35.7	117	x	x	30	30	3, 4
140	42.8	117	x		36	30	3, 4
175	53.3	175	x	x	30	30	3, 4
210	64.0	175	x		36	30	3, 4
233	71.0	233	x	x	30	30	3, 4
CE Gearmotor RPM at 50 Hz.							
23	7.0	23		x			5
46	14.0	46		x			5
55	16.8	55		x			5
93	28.3	93		x			5
140	42.7	140		x			5
186	56.7	186		x			5

Variable Speed							
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart
Ft/min	m/min		Bottom	Side & Nose Bar	Drive Pulley	Driven Pulley	
4 - 22	1.3 - 6.7	22	x	x	30	30	8, 9
5 - 26	1.6 - 8.0	22	x		36	30	8, 9
6 - 29	1.8 - 8.8	29	x	x	30	30	8, 9
7 - 35	2.1 - 10.6	29	x		36	30	8, 9
9 - 44	2.7 - 13.4	44	x	x	30	30	8, 9
11 - 53	3.2 - 16.1	44	x		36	30	8, 9
12 - 58	3.5 - 17.7	58	x	x	30	30	8, 9
14 - 70	4.2 - 21.2	58	x		36	30	8, 9
17 - 87	5.3 - 26.5	87	x	x	30	30	8, 9
21 - 104	6.4 - 31.8	87	x		36	30	8, 9
23 - 117	7.1 - 35.7	117	x	x	30	30	8, 9
28 - 140	8.6 - 42.8	117	x		36	30	8, 9
35 - 175	10.7 - 53.3	175	x	x	30	30	8, 9
42 - 210	12.8 - 64.0	175	x		36	30	8, 9
47 - 233	14.2 - 71.0	233	x	x	30	30	8, 9
CE RPM from 50 Hz. gearmotors. VFD drive at 80 max. Hz. output.							
6 - 37	3.5 - 7.0	23		x			10
11 - 74	7.0 - 14.0	46		x			10
13 - 88	8.4 - 16.8	55		x			10
22 - 149	14.2 - 28.3	93		x			10
34 - 224	21.3 - 42.7	140		x			10
45 - 298	28.3 - 56.7	186		x			10

Industrial 90° Gearmotor

Fixed Speed							
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart
Ft/min	m/min		Bottom	Side	Drive Pulley	Driven Pulley	
29	8.8	29	x		30	30	*
35	10.6	29	x		36	30	*
43	13.1	43	x		30	30	*
52	15.7	43	x		36	30	*
86	26.2	86	x		30	30	*
103	31.5	86	x		36	30	*
173	52.7	173	x		30	30	*
208	63.3	173	x		36	30	*

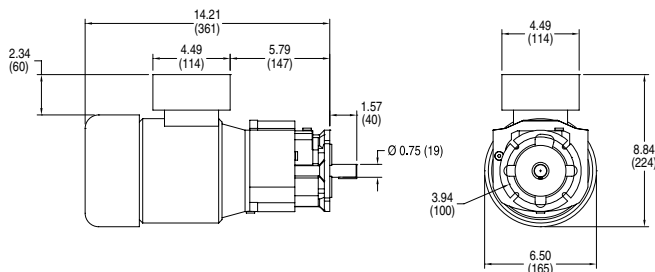
Variable Speed							
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart
Ft/min	m/min		Bottom	Side	Drive Pulley	Driven Pulley	
6 - 29	1.8 - 8.8	29	x		30	30	*
7 - 35	2.1 - 10.6	29	x		36	30	*
9 - 43	2.6 - 13.1	43	x		30	30	*
10 - 52	3.1 - 15.7	43	x		36	30	*
17 - 86	5.2 - 26.2	86	x		30	30	*
21 - 103	6.3 - 31.5	86	x		36	30	*
35 - 173	10.5 - 52.7	173	x		30	30	*
42 - 208	12.7 - 63.3	173	x		36	30	*

* **Note:** For Industrial Gearmotors see 3200 Gearmotors section on pages 105-106, Charts 6, 9 and 10.

STANDARD LOAD, FIXED SPEED

Chart 1 Parallel Shaft, Painted Gearmotor

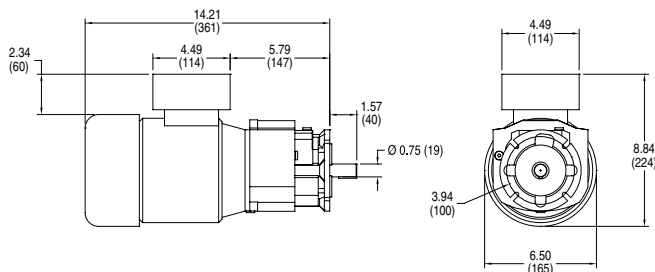
- IEC Framed Motor
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- FDA Approved Food Grade Paint
- Total Enclosed Fan Cooled
- 230/460 Volts, 3 Phase, 60 Hz
- Order Motor Starter Separately, see page 280



Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
73M081PS423FN	21	2	0.16	0.12	230 / 460	0.88 / 0.44	483	55
73M054PS423FN	32	2	0.25	0.19	230 / 460	1.12 / 0.56	507	57
73M034PS423FN	50	2	0.50	0.37	230 / 460	1.90 / 0.95	633	72
73M020PS423FN	84	2	0.75	0.56	230 / 460	2.70 / 1.35	563	64
73M013PS423FN	122	2	1.00	0.75	230 / 460	3.66 / 1.83	517	58
73M010PS423FN	170	2	1.00	0.75	230 / 460	3.66 / 1.83	374	42
73M008PS423FN	190	2	1.00	0.75	230 / 460	3.66 / 1.83	333	38
73M006PS423FN	258	2	1.00	0.75	230 / 460	3.66 / 1.83	246	28

Chart 2 CE Parallel Shaft Gearmotor

- IEC Framed Motor
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- Un-Painted Aluminum Gearmotor
- Total Enclosed Fan Cooled
- 230/400 Volts, 3 Phase, 50 Hz
- Order Motor Starter Separately, see page 280



Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
73U081PS423FN	17	2	0.16	0.12	230 / 400	0.96 / 0.55	389	44
73U039PS423FN	36	2	0.5	0.37	230 / 400	1.9 / 1.09	549	62
73U029PS423FN	48	2	0.75	0.56	230 / 400	2.64 / 1.52	620	70
73U019PS423FN	74	2	1.0	0.75	230 / 400	3.65 / 2.1	531	60
73U016PS423FN	88	2	1.0	0.75	230 / 400	3.65 / 2.1	451	51
73U011PS423FN	127	2	1.5	1.12	230 / 400	4.89 / 2.81	469	53
73U009PS423FN	158	2	1.5	1.12	230 / 400	4.89 / 2.81	372	42
73U007PS423FN	194	2	1.0	0.75	230 / 400	3.65 / 2.1	327	37

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

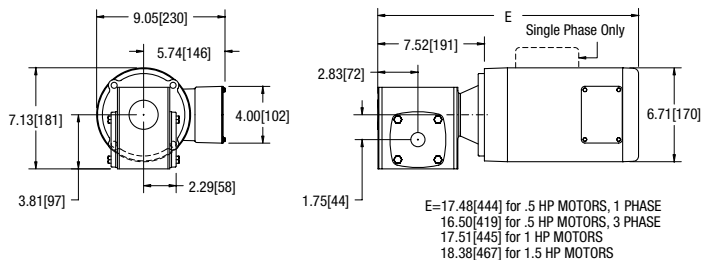
FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

STANDARD LOAD, FIXED SPEED

Chart 3 Painted Gearmotor

- Nema 56C
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- FDA Approved Stainless Painted Gear Box
- FDA Approved White Epoxy Painted Motor
- UL and CSA Approved
- Totally Enclosed Non-Ventilated
- Order optional Manual Motor Starter separately, see page 280
- 1.0 & 1.5 HP 208-230 / 460 Volts, 3 Phase

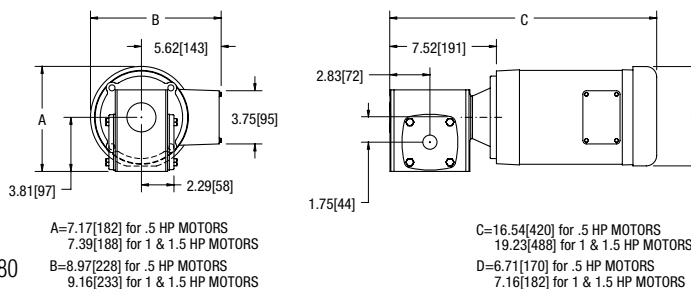


Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm
			Hp	kW	FLA	Hp	kW	FLA		
74M080HS4(vp)FN	22	1	0.5	0.37	6.8 / 3.7-3.4	0.5	0.37	1.6 / 0.8	356	40.2
74M060HS4(vp)FN	29	1	0.5	0.37	6.8 / 3.7-3.4	0.5	0.37	1.6 / 0.8	442	49.9
74M040HS4(vp)FN	44	1	0.5	0.37	6.8 / 3.7-3.4	0.5	0.37	1.6 / 0.8	486	54.9
74M030HS4(vp)FN	58	1	n/a	n/a	n/a	1	0.74	3.5-3.2 / 1.6	487	55.0
74M020HS4(vp)FN	87	1	n/a	n/a	n/a	1	0.74	3.5-3.2 / 1.6	407	46.0
74M015HS4(vp)FN	117	1	n/a	n/a	n/a	1	0.74	3.5-3.2 / 1.6	470	53.1
74M010HS4(vp)FN	175	1	n/a	n/a	n/a	1.5	1.11	4.6-4.2 / 2.1	442	49.9
74M007HS4(vp)FN	233	1	n/a	n/a	n/a	1.5	1.11	4.6-4.2 / 2.1	360	40.7

(vp) = voltage and Phase 11 = 115 / 208-230, 1 Phase 23 = 0.5 HP: 230 / 460 Volts, 3 Phase; 1.0 & 1.5 HP: 208-230 / 460 Volts, 3 Phase

Chart 4 Stainless Steel Gearmotor

- Nema 56C
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- Stainless Steel Gear Box
- Stainless Steel Motor
- UL and CSA Approved
- 1/2 HP is Totally Enclosed Non-Ventilated
- 1 and 1 1/2 HP are Totally Enclosed Fan Cooled
- 208-230 / 460 V, 3 Phase
- Order optional Manual Motor Starter separately, see page 280
- 0.5 Hp 230 / 460 V, 3 Phase
- 1.0 & 1.5 HP 208-230 / 460 V, 3 Phase



Part Number	RPM	Gearmotor Type	3 Phase				in.-lbs.	Nm
			Hp	kW	Volts	FLA		
74M080HSZ423FN	22	1	0.5	0.37	230 / 460	1.6 / 0.8	356	40.2
74M060HSZ423FN	29	1	0.5	0.37	230 / 460	1.6 / 0.8	442	49.9
74M040HSZ423FN	44	1	0.5	0.37	230 / 460	1.6 / 0.8	486	54.9
74M030HSZ423FN	58	1	1.0	0.74	208-230 / 460	3.2-3.0 / 1.5	487	55.0
74M020HSZ423FN	87	1	1.0	0.74	208-230 / 460	3.2-3.0 / 1.5	407	46.0
74M015HSZ423FN	117	1	1.0	0.74	208-230 / 460	3.2-3.0 / 1.5	470	53.1
74M010HSZ423FN	175	1	1.5	1.11	208-230 / 460	5.8-5.4 / 2.7	442	49.9
74M007HSZ423FN	233	1	1.5	1.11	208-230 / 460	5.8-5.4 / 2.7	360	40.7

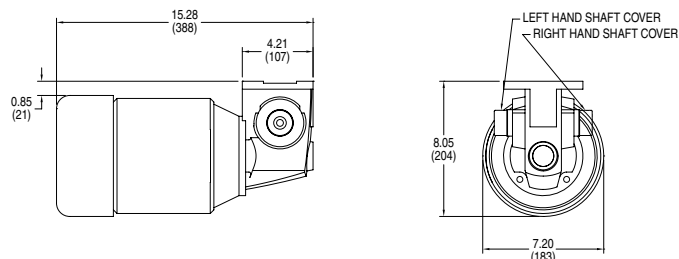
FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

STANDARD LOAD, FIXED SPEED

Chart 5 CE 90° Gearmotor

- IEC Framed Motor
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- Un-Painted Aluminum Gearmotor
- Total Enclosed Fan Cooled
- 230/400 Volts, 3 Phase, 50 Hz
- Order Motor Starter Separately, see page 280



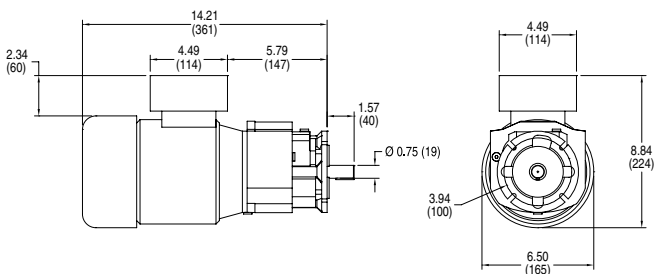
Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
73U060HS423FN	23	1	0.5	0.37	230 / 400	1.91 / 1.1	716	81
73U030HS423FN	46	1	1.0	0.75	230 / 400	3.65 / 2.1	902	102
73U025HS423FN	55	1	1.0	0.75	230 / 400	3.65 / 2.1	831	94
73U015HS423FN	93	1	1.5	1.12	230 / 400	4.89 / 2.81	787	89
73U010HS423FN	140	1	1.5	1.12	230 / 400	4.89 / 2.81	566	64
73U007HS423FN	186	1	2.0	1.49	230 / 400	6.17 / 3.55	593	67
73U005HS423FN	279	1	2.0	1.49	230 / 400	6.17 / 3.55	407	46

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

STANDARD LOAD, VARIABLE SPEED

Chart 6 Parallel Shaft, Painted Gearmotor

- Variable Frequency Drive, 12 to 60 Hz
- IEC Framed Motor
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- FDA Approved Food Grade Paint
- Total Enclosed Fan Cooled
- 230/460 Volts, 3 Phase, 60 Hz nominal
- Order Controller Separately, see page 280



Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
74M081PS423EN	4.2 to 21	2	0.16	0.12	230 / 460	0.88 / 0.44	483	55
74M054PS423EN	6.2 to 31	2	0.25	0.19	230 / 460	1.12 / 0.56	507	57
74M034PS423EN	10 to 50	2	0.50	0.37	230 / 460	1.90 / 0.95	633	72
74M020PS423EN	16.8 to 84	2	0.75	0.56	230 / 460	2.70 / 1.35	563	64
74M013PS423EN	24.4 to 122	2	1.00	0.75	230 / 460	3.66 / 1.83	517	58
74M010PS423EN	34 to 170	2	1.00	0.75	230 / 460	3.66 / 1.83	374	42
74M008PS423EN	38 to 190	2	1.00	0.75	230 / 460	3.66 / 1.83	333	38
74M006PS423EN	51.6 to 258	2	1.00	0.75	230 / 460	3.66 / 1.83	246	28

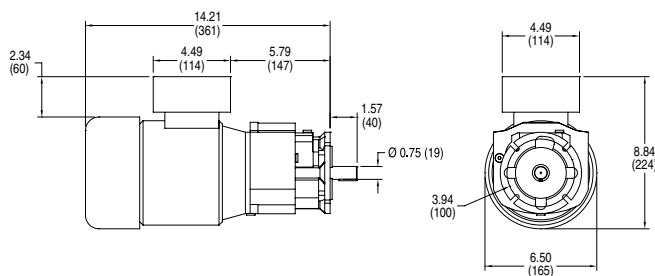
FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

STANDARD LOAD, VARIABLE SPEED

Chart 7 CE Parallel Shaft Gearmotor

- Variable Frequency Drive
- IEC Framed Motor
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- Unpainted Aluminum Gearmotor
- Total Enclosed Fan Cooled
- 230/400 Volts 3 Phase, 50 Hz nominal
- Order Controller Separately, see page 280

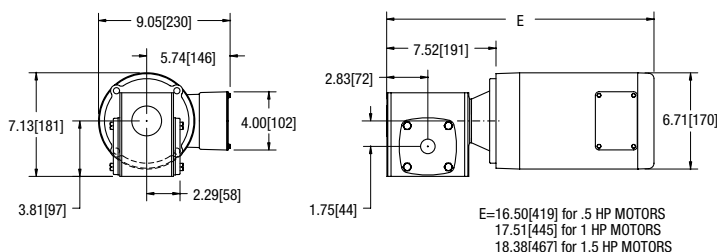


Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
73U081PS423EN	4.1 to 27	2	0.16	0.12	230 / 400	0.96 / 0.55	389	44
73U039PS423EN	8.6 to 58	2	0.5	0.37	230 / 400	1.9 / 1.09	549	62
73U029PS423EN	11.5 to 77	2	0.75	0.56	230 / 400	2.64 / 1.52	620	70
73U019PS423EN	17.8 to 118	2	1.0	0.75	230 / 400	3.65 / 2.1	531	60
73U016PS423EN	21.1 to 141	2	1.0	0.75	230 / 400	3.65 / 2.1	451	51
73U011PS423EN	30.5 to 203	2	1.5	1.12	230 / 400	4.89 / 2.81	469	53
73U009PS423EN	37.9 to 253	2	1.5	1.12	230 / 400	4.89 / 2.81	372	42

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

Chart 8 90° Painted Gearmotor

- Variable Frequency Drive, 6 to 60 Hz
- 3 Phase
- Nema 56C
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- FDA Approved Stainless Painted Gearbox
- FDA Approved White Epoxy Painted Motor
- UL and CSA Approved
- Totally Enclosed Non-Ventilated
- Order Controller Separately, see page 280



Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
74M080HS423EN	22	1	0.5	0.37	230 / 460	1.6 / 0.8	356	40.2
74M060HS423EN	29	1	0.5	0.37	230 / 460	1.6 / 0.8	442	49.9
74M040HS423EN	44	1	0.5	0.37	230 / 460	1.6 / 0.8	486	54.9
74M030HS423EN	58	1	1.0	0.74	208-230 / 460	3.5-3.2 / 1.6	487	55.0
74M020HS423EN	87	1	1.0	0.74	208-230 / 460	3.5-3.2 / 1.6	487	55.0
74M015HS423EN	117	1	1.0	0.74	208-230 / 460	3.5-3.2 / 1.6	470	53.1
74M010HS423EN	175	1	1.5	1.11	208-230 / 460	4.6-4.2 / 2.1	442	49.9
74M007HS423EN	233	1	1.5	1.11	208-230 / 460	4.6-4.2 / 2.1	360	40.7

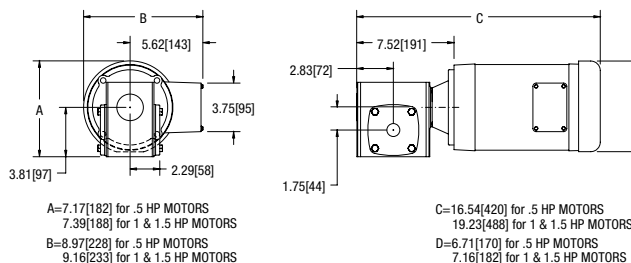
FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

STANDARD LOAD, VARIABLE SPEED

Chart 9 90° Stainless Steel Gearmotor

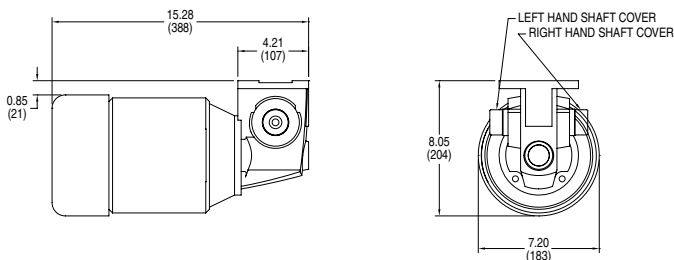
- Variable Frequency Drive, 6 to 60 Hz
- 3 Phase
- Nema 56C
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- Stainless Steel Gear Box and Motor
- UL and CSA Approved
- 1/2 HP is Totally Enclosed Non-Ventilated
- 1 and 1 1/2 HP are Totally Enclosed Fan Cooled
- Order Controller Separately, see page 280



Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
74M080HHS423EN	22	1	0.5	0.37	230 / 460	1.6 / 0.8	356	40.2
74M060HHS423EN	29	1	0.5	0.37	230 / 460	1.6 / 0.8	442	49.9
74M040HHS423EN	44	1	0.5	0.37	230 / 460	1.6 / 0.8	486	54.9
74M030HHS423EN	58	1	1.0	0.74	208-230 / 460	3.2-3.0 / 1.5	487	55.0
74M020HHS423EN	87	1	1.0	0.74	208-230 / 460	3.2-3.0 / 1.5	487	55.0
74M015HHS423EN	117	1	1.0	0.74	208-230 / 460	3.2-3.0 / 1.5	470	53.1
74M010HHS423EN	175	1	1.5	1.11	208-230 / 460	5.3-5.4 / 2.7	442	49.9
74M007HHS423EN	233	1	1.5	1.11	208-230 / 460	5.3-5.4 / 2.7	360	40.7

Chart 10 CE 90° Gearmotor

- Variable Frequency Drive, 12 to 80 Hz
- IEC Framed Motor
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- Un-Painted Aluminum Gearmotor
- Total Enclosed Fan Cooled
- 230/400 Volts, 3 Phase, 50 Hz nominal
- Order Controller Separately, see page 280



Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
73U060HHS423EN	5.5 to 37	1	0.5	0.37	230 / 400	1.91 / 1.1	716	81
73U030HHS423EN	11 to 74	1	1.0	0.75	230 / 400	3.65 / 2.1	902	102
73U025HHS423EN	13.2 to 88	1	1.0	0.75	230 / 400	3.65 / 2.1	831	94
73U015HHS423EN	22.3 to 149	1	1.5	1.12	230 / 400	4.89 / 2.81	787	89
73U010HHS423EN	33.6 to 224	1	1.5	1.12	230 / 400	4.89 / 2.81	566	64
73U007HHS423EN	44.6 to 298	1	2.0	1.49	230 / 400	6.17 / 3.55	593	67

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

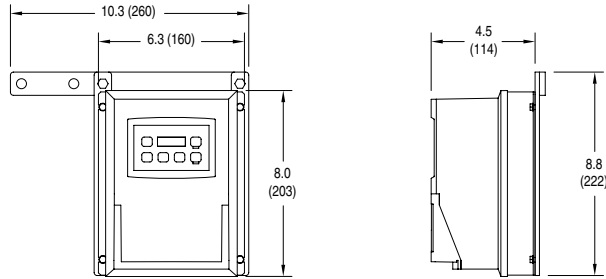
FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

VARIABLE SPEED CONTROLLER

Chart A Variable Speed Controllers

- Variable Frequency Drive
- IP 65 Plastic Enclosure
- Stainless steel mounting hardware
- Digital Display
- Keypad with Start/Stop and Speed variation
- Includes cord to motor
- Power to controller by others
- UL Approved

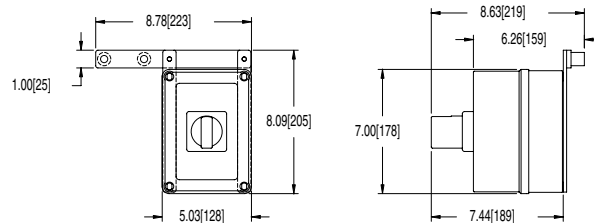


Part Number	Input			Output		Max Hp	Max Amps	A (width)	B (depth)
	Volts	Phase	Hz	Volts	Phase				
74MV1122S	115	1	60	230	3	0.5	2.2	7.9 (200)	3.8 (96)
74MV2322S	230	3	60	230	3	0.5	2.2	6.1 (155)	4.4 (112)
74MV1121S	115	1	60	230	3	1.0	4.0	7.9 (200)	4.9 (124)
74MV2121S	230	1	60	230	3	1.0	4.0	7.9 (200)	4.9 (124)
74MV4341S	460	3	60	460	3	1.0	2.0	6.1 (155)	4.4 (112)
74MV2127S	230	1	60	230	3	2.0	6.8	7.9 (200)	4.9 (124)
74MV2327S	230	3	60	230	3	2.0	6.8	7.9 (200)	4.9 (124)
74MV4347S	460	3	60	460	3	2.0	3.4	7.9 (200)	4.9 (124)

MANUAL MOTOR STARTER

Chart B Manual Motor Starter

- Nema 4X Plastic Enclosure
- Stainless Steel mounting hardware
- IP 66
- Start / Stop Switch
- Lock out tag out capable
- Includes wiring to Motor
- Power to Starter by others
- No plug/cord set included

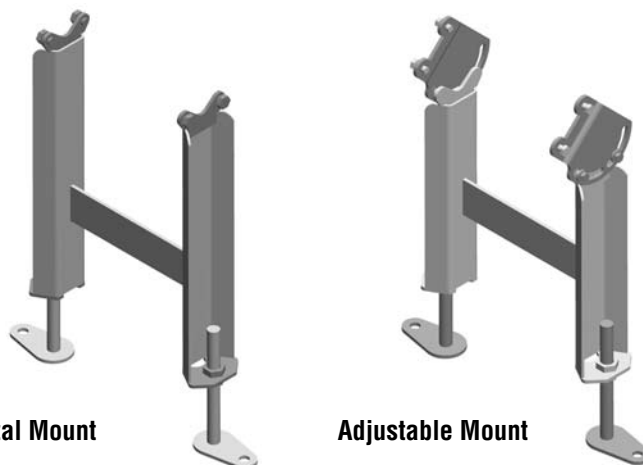


Part Number	Input			FLA
	Volts	Phase	Hz	
74MM11F	115	1	60	6.3 - 10
74MM21D	208-230	1	60	2.5 - 3.9
74MM23A	208-230	3	60	0.63 - 0.99
74MM23B	208-230	3	60	1.0 - 1.59
74MM23C	208-230	3	60	1.6 - 2.4
74MM23D	208-230	3	60	2.5 - 3.9
74MM23E	208-230	3	60	4.0 - 6.3
74MM43A	460	3	60	1.6 - 2.4
74MM43B	460	3	60	2.5 - 3.9
74MM43C	460	3	60	0.63 - 0.99
74MM43D	460	3	60	1.0 - 1.59

FLA = Full Load Amperes

Fixed Foot Support Stands

- All components are stainless steel with a 2B finish
- Vertical leg is formed sheet metal
- 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



Horizontal Mount



Adjustable Mount



Outrigger

Fixed Foot Model

		4" (102)	6" (152)	8" (203)	2" (51) increments up to...	36" (914)
Conveyor Width						
WW Part # Reference		04	06	08	02 increments up to...	36
HM Horizontal Mount	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)
	Width at Feet*	12" (305)	14" (356)	16" (406)	02 increments up to...	44" (1,118)
	Minimum Top of Belt Height	16" (406)	17" (432)	18" (457)	1" (25) increments up to...	72" (1,829)
	Maximum Top of Belt Height	20" (508)	21" (533)	22" (559)	1" (25) increments up to...	76" (1,930)
	HHHH Height Reference	1620	1721	1822	01 increments up to...	7276
AM Adjustable Mount	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)
	Width at Feet*	12" (305)	14" (356)	16" (406)	02 increments up to...	44" (1,118)
	Minimum Top of Belt Height	20" (508)	21" (533)	22" (559)	1" (25) increments up to...	72" (1,829)
	Maximum Top of Belt Height	24" (610)	25" (635)	26" (660)	1" (25) increments up to...	76" (1,930)
	HHHH Height Reference	2024	2125	2226	01 increments up to...	7276
HR Horizontal Mount w/Outriggers	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)
	Width at Feet*	22" (559)	24" (610)	26" (660)	02 increments up to...	54" (1,372)
	Minimum Top of Belt Height	16" (406)	17" (432)	18" (457)	1" (25) increments up to...	72" (1,829)
	Maximum Top of Belt Height	20" (508)	21" (533)	22" (559)	1" (25) increments up to...	76" (1,930)
	HHHH Height Reference	1620	1721	1822	01 increments up to...	7276
AR Adj. Angle Mount w/Outriggers	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)
	Width at Feet*	22" (559)	24" (610)	26" (660)	02 increments up to...	54" (1,372)
	Minimum Top of Belt Height	20" (508)	21" (533)	22" (559)	1" (25) increments up to...	72" (1,829)
	Maximum Top of Belt Height	24" (610)	25" (635)	26" (660)	1" (25) increments up to...	76" (1,930)
	HHHH Height Reference	2024	2125	2226	01 increments up to...	7276

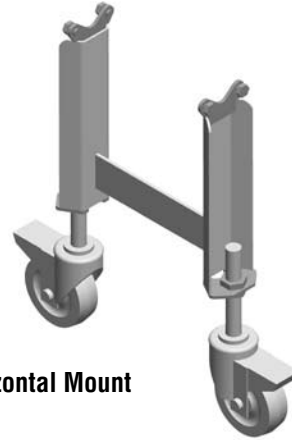
*Note: Width dimension is nominal dimension for space claim purposes only. For detail dimension, contact factory.

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 294

Swivel Locking Caster Support Stands

- All components are stainless steel with a 2B finish
- Vertical leg is formed sheet metal
- Has +/- 2" of adjustment
- Caster is swivel locking
- Horizontal Mount Version for Direct Level Conveyor Mounting
- Incline Mount Version for angled conveyor applications



Horizontal Mount



HM

Horizontal Mount



AM

Adjustable Mount



Outrigger

Swivel Locking Caster Model

		4" (102)	6" (152)	8" (203)	2" (51) increments up to...	36" (914)
Conveyor Width		4" (102)	6" (152)	8" (203)	2" (51) increments up to...	36" (914)
WW Part # Reference		04	06	08	02 increments up to...	36
HM Horizontal Mount	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)
	Width at Feet*	16" (406)	18" (457)	20" (508)	02 increments up to...	48" (1,219)
	Minimum Top of Belt Height	21" (533)	22" (559)	23" (584)	1" (25) increments up to...	72" (1,829)
	Maximum Top of Belt Height	25" (635)	26" (660)	27" (686)	1" (25) increments up to...	76" (1,930)
	HHHH Height Reference	2125	2226	2327	01 increments up to...	7276
AM Adjustable Mount	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)
	Width at Feet*	12" (305)	14" (356)	16" (406)	02 increments up to...	48" (1,219)
	Minimum Top of Belt Height	25" (635)	26" (660)	27" (686)	1" (25) increments up to...	72" (1,829)
	Maximum Top of Belt Height	29" (737)	30" (762)	31" (787)	1" (25) increments up to...	76" (1,930)
	HHHH Height Reference	2529	2630	2731	01 increments up to...	7276
HR Horizontal Mount w/Outriggers	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)
	Width at Feet*	26" (660)	27" (686)	28" (711)	02 increments up to...	58" (1,473)
	Minimum Top of Belt Height	21" (533)	22" (559)	23" (584)	1" (25) increments up to...	72" (1,829)
	Maximum Top of Belt Height	25" (635)	26" (660)	27" (686)	1" (25) increments up to...	76" (1,930)
	HHHH Height Reference	2125	2226	2327	01 increments up to...	7276
AR Adj. Angle Mount w/Outriggers	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)
	Width at Feet*	26" (660)	27" (686)	28" (711)	02 increments up to...	58" (1,473)
	Minimum Top of Belt Height	25" (635)	26" (660)	27" (686)	1" (25) increments up to...	72" (1,829)
	Maximum Top of Belt Height	29" (737)	30" (762)	31" (787)	1" (25) increments up to...	76" (1,930)
	HHHH Height Reference	2529	2630	2731	01 increments up to...	7276

*Note: Width dimension is nominal dimension for space claim purposes only. For detail dimension, contact factory.

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 294

TALL SUPPORT STANDS

Fixed Foot Model

Conveyor Width	4" (102)	6" (152)	8" (203)	in 2" (51mm) increments up to...	60" (1,524)
WW Part # Reference	04	06	08	in 02 increments up to...	60
Stand Width at Foot *	(0.263)(HH max) + (WW + 6) inches				
Top of Belt (Minimum)	71" (1,803)	72" (1,829)	73" (1,854)	in 1" (25mm) increments up to...	95" (2,413)
Top of Belt (Maximum)	75" (1,905)	76" (1,930)	77" (1,956)	in 1" (25mm) increments up to...	99" (2,515)
HHHH Part Number	7175	7276	7377	in 01 increments up to...	9599



Horizontal Mount



Adjustable Mount

- All components are stainless steel brushed to #4 finish
- 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
- Includes Diagonal Brace for stability
- Tall Support Stands require the use of floor anchors

* Width dimension is nominal dimension for space claim purposes only. For detail dimension, contact factory.



Horizontal Mount Tall Stand

LOW HEIGHT SUPPORT STANDS

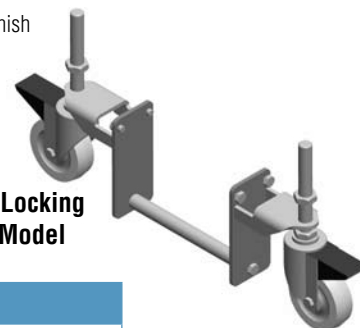
Fixed Foot Model

Top of Belt (Minimum)	7" (178)	9" (229)
Top of Belt (Maximum)	11" (279)	13" (330)
HHHH Part # Reference	0711	0913
Stand Width at Foot *	WW + 10.5" (267mm)	

- All components are stainless steel brushed to #4 finish
- Has +/- 2" of adjustment
- Fixed Foot self aligns 10° for sloped floors
- Caster is swivel locking
- Horizontal conveyor mounts only

* Width dimension is nominal dimension for space claim purposes only. For detail dimension, contact factory.

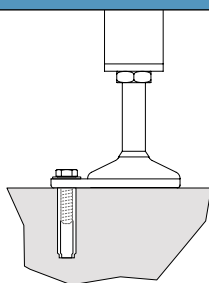
Swivel Locking Caster Model



Swivel Locking Caster Model

Conveyor Width	4" (102)	6" (152)	8" (203)	in 2" (51mm) increments up to...	60" (1,524)
WW Part # Reference	04	06	08	in 02 increments up to...	60
Stand Width at Caster *	22" (559)	24" (610)	26" (660)	in 2" (51mm) increments up to...	78" (1,981)
Top of Belt (Minimum)	12" (305)		14" (356)	16" (406)	
Top of Belt (Maximum)	16" (406)		18" (457)	20" (508)	
HHHH Part Number	1216		1418	1620	

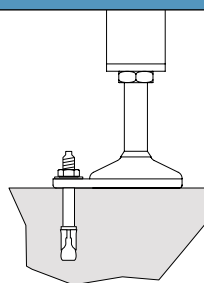
SANITARY FLOOR ANCHOR KITS



Type 1 Sanitary Floor Anchor Kit

- 3/8" (10 mm) x 1.57" (40 mm) drop in
- Stainless Steel
- Anchor is flush with floor upon removal of bolt
- Two (2) per anchor kit

Part No. FAS-1



Type 2 Sanitary Floor Anchor Kit

- 3/8" (10 mm) x 2 3/4" (70 mm)
- Stainless Steel
- Threaded anchor bolt protrudes above floor after installation
- Two (2) per anchor kit

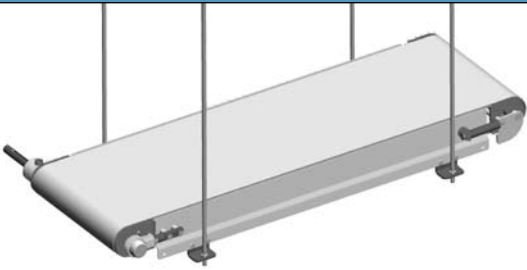
Part No. FAS-2

Note: Dimensions = in (mm)

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 294

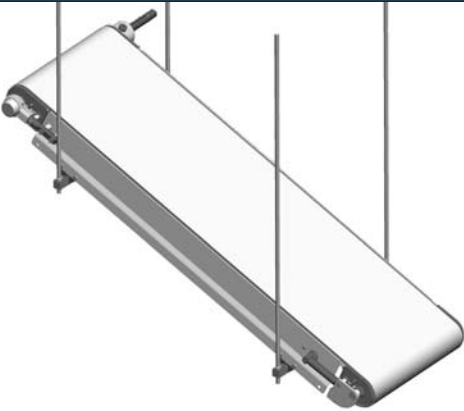
HORIZONTAL CEILING SUPPORTS



- All components are stainless steel brushed to #4 finish
- Includes a pair of mounting brackets and hardware for support on both sides of conveyor
- Compatible with 1/2" threaded support rod provided by others

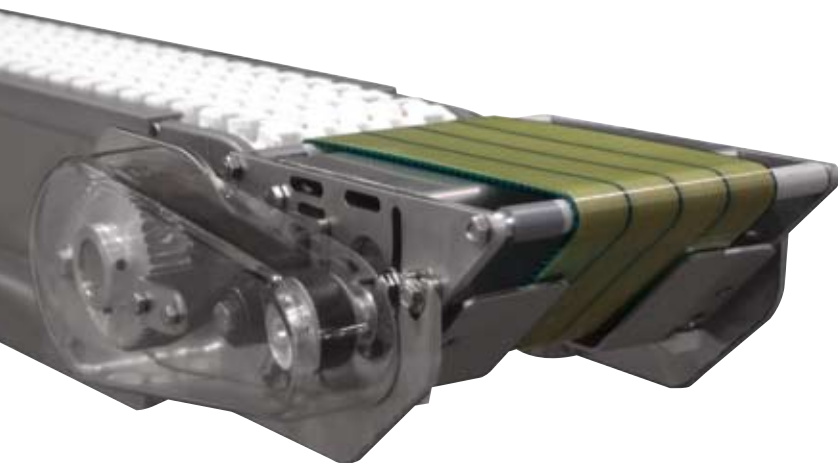
Part No. 39HCS

ADJUSTABLE ANGLE CEILING SUPPORTS



- All components are stainless steel brushed to #4 finish
- Includes a pair of mounting brackets and hardware for support on both sides of conveyor
- Compatible with 1/2" threaded support rod provided by others
- Mounting block pivots to support incline mounts from 0° to 60°

Part No. 39ACS



AquaGard®

Interfacing with Large Pulleys for Small Part Transfers

Smoothly Transfer Parts Smaller than 2"

Maintain Product Speed Through Transfer

Compact, Space Saving Design with
Minimal Length Added

Features & Benefits

- 1/2" diameter nose rollers for small part transfer
- Adjustable height and distance to main roller for fine tuning the product transfer
- High speed positive drive conveyor belts to ensure consistent speed
- Maintains product speed through transfer for gapping and pacing
- Located at drive and/or idler end of main conveyor
- Compatible with both curve and straight conveyors
- Compatible with all end drive tails and drive mount packages
- Made of corrosion resistant materials for wipe down or occasional wash down
- Slave driven from main roller for minimal install requirements

Conveyor Specifications:

Conveyor Width: 4" wide to 36" wide in 2" increments

Conveyor Length: Adds less than 8" to conveyor length

Conveyor Speed: Up to 175 ft/min

Slave Drive Speed Options:

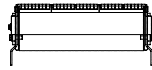
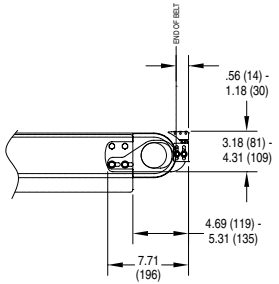
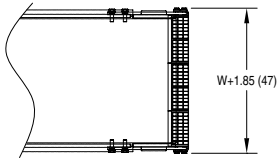
- Same Speed
- Speed Up by 1.6 : 1
- Speed Down by 1.25 : 1



General Specifications

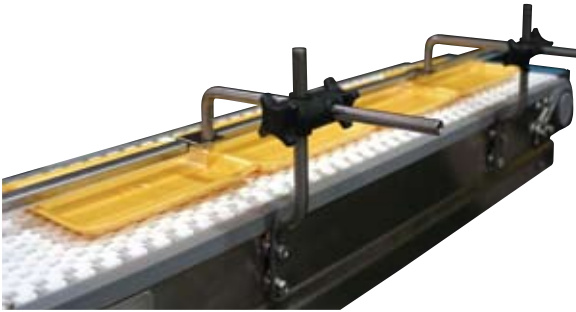
- FDA approved 1/2" diameter self lubricated nose bar bushings
- Positive drive FDA approved urethane belting
- 300 series stainless steel / anodized aluminum construction
- Plated corrosion resistant bearings
- Used on infeed and exit tail
 - For infeed tail : Needs conveyor to be ordered with output shaft tail
 - For exit tail : Needs conveyor to be ordered with dual output shaft tail
- Can be purchased as a conveyor only
 - Does not include mounting brackets or slave drive
 - Includes output shaft only

ROLLER TRANSFER PLATE



- 4" wide to 36" wide
- Includes 0.43" diameter rollers mounted in transfer plate
- Adjustable mounting to fine tune small parts transfer
- Used on curves and straights, infeed and exit tail
- All brackets and fasteners are stainless steel

OVERHEAD GUIDE



- For part hold down or cover closing
- Adjustable height and position across width
- Round nose UHMW guide with stainless steel backing
- Lengths: 3' to 10' in 1" increments
- Horizontal Brackets provided for every 2' of length
- Available in standard adjustable and tool-less adjustable mount styles
- All brackets and fasteners are stainless steel
- Does not include vertical mounting post. To be used with profiles 13 thru 18 or upper guide assembly.

UPPER GUIDE



- Used for guiding lids and/or tall parts
- Round nose UHMW guide with stainless steel backing
- Equipped with or without tall adjustable height bracket
- Length: 3' to 10' in 1' increments
- (2) width adjusting options (standard 5" post, 10" post)
- Brackets provided for every 2' of length
- Available in standard adjustable and tool-less adjustable mount styles
- All brackets and fasteners are stainless steel

ACCESSORY MOUNTING BAR



- Used for mounting adjustable devices such as photoeyes and sensors
- Can be mounted directly to frame or in combination with guide brackets
- 2 Versions:
 - 3' bar used to mount to 24" hole pattern in frames
 - 1' L shape used to mount at tail ends
- Compatible with Value Guide blocks (VG-021-02)
- All brackets and fasteners are stainless steel

Note: Dimensions = in (mm)

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

For ordering information, see page 295

PHOTO EYE AND REFLECTOR MOUNTING BRACKETS



- Mounts standard 18 mm diameter photoeyes or sensors
- Adjustable height and angle
- (3) Photo Eye types:
 - Thru beam includes (2) mounts
 - Reflector includes (1) Photo eye mount and (1) reflector mount (reflector included)
 - Convergent includes (1) photoeye mount
- (3) Mount versions:
 - To fixed post (does not include mounting post)
 - To fixed post (includes mounting post)
 - To accessory mounting bar (includes Value Guide Block and adjustable post)
- All brackets and fasteners are stainless steel

ELECTRICAL / AIR ROUTING CLIP



- Light weight mounting clip for wire clips, conduit clicks, wire tie mounts, etc.
- Mounts directly to M8 guide bolts and/or lower frame lip
- May be mounted to inside of frame or outside of frame
- Offset to clear mounting screws
- Package of 10 pieces
- All brackets and fasteners are stainless steel

Part Number	Description
735RC-10	Electrical / Air Routing Clip (package of 10 pieces)

M8 ACCESSORY MOUNTING BOLT



- Stainless steel mounting hardware
- M8-1.25 Male mounting stud
- Used with Dorner key-slot system
- Eliminates the need to access the inside of the frame
- Package of 10 pieces

Part Number	Description
735M8-10	M8 Accessory Mounting Bolt (package of 10 pieces)

Note: Dimensions = in (mm)

For ordering information, see page 295

7350 SERIES: MODULAR FLAT BELT CONVEYOR

7 3 5 M W W L L L D I A B C P P P P B B

Belt Material: MN, MP, etc.

Profile (D Side):

- 01 = Lowside
- 02 = Integral High Side
- 04 = 3" High Side
- 05 = 1" High Side
- 13 = Fully Adjustable Round
- 14 = Tool-less Fully Adjustable Round
- 15 = Twin Rail Adjustable Round

- 16 = Tool-less Twin Rail Adjustable Round
- 17 = Fully Adjustable 1" Flat
- 18 = Tool-less Fully Adjustable 1" Flat
- 50 = Low Side - Key Slot Holes D Side
- 51 = Low Side - .41 Diameter Holes D Side
- 52 = High Side - .41 Diameter Holes D Side

Profile (A Side):

- 01 = Lowside
- 02 = Integral High Side
- 04 = 3" High Side
- 05 = 1" High Side
- 13 = Fully Adjustable Round
- 14 = Tool-less Fully Adjustable Round
- 15 = Twin Rail Adjustable Round

- 16 = Tool-less Twin Rail Adjustable Round
- 17 = Fully Adjustable 1" Flat
- 18 = Tool-less Fully Adjustable 1" Flat
- 50 = Low Side - Key Slot Holes D Side
- 51 = Low Side - .41 Diameter Holes A Side
- 52 = High Side - .41 Diameter Holes A Side

Idler End Stand Location:

- A = no stand mounting holes
- B = 12" from idler end
- C = 18" from idler end
- D = 24" from idler end
- E = 30" from idler end
- G = 12" from idler end with braces
- H = 18" from idler end with braces
- J = 24" from idler end with braces
- K = 30" from idler end with braces

Drive End Stand Location:

- A = no stand mounting holes
- B = 12" from drive end
- C = 18" from drive end
- D = 24" from drive end
- G = 12" from drive end with braces
- H = 18" from drive end with braces
- J = 24" from drive end with braces

Motor Shaft Position: A or D

Idler End:

- 1 = Standard
- 2 = Nose Bar

Drive / Pulley Type:

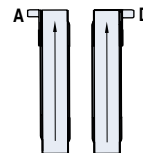
- 1 = Standard Bottom Drive
- 2 = Standard Side Drive
- 3 = Bottom Drive Double Output
- 4 = Side Drive Tail w/ Dual Output Shaft
- 5 = Nose Bar
- 6 = Nose Bar Customer Supplied Drive

Length: 036-999

Belt Width: 04-36

Language: M = English

Drive Shaft Position



Example: 735M1232441DHH0214TC

Description: AquaGard 7350 Series straight flat belt stainless steel conveyor with auxiliary shaft side drive tail in position D and standard infeed tail, 12" (305mm) nominal width x 27' (8230mm) long with integral high side profile on the A side, tool-less fully adjustable round profile on the D side and type TC white flat (closed) top polypropylene plastic chain with friction inserts every four links. The conveyor is configured to have Dorner stainless steel support stands with diagonal braces 18" (457mm) from infeed end and 18" (457mm) from discharge end. Note: Usable chain width is 11.84" (301mm).

Conveyor sections longer than 11' (3353mm) are constructed using a multiple piece frame. It is recommended that each frame joint be supported by a support stand or other means. If support stand location is a concern, please consult factory for support locations.

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7350 SERIES: MODULAR CLEATED BELT CONVEYOR

7 3 5 M W W L L L D I A B C P P B B S S

Cleat Spacing: 01-99 = Link Spacing
Belt Material: MN, MP, etc.
Profile:
 01 = Lowside
 02 = 1" High Side
 03 = 3" High Side
 50 = Low Side - Key Slot Holes Both Sides
 51 = Low Side - .41 Diameter Holes Both Sides
Idler End Stand Location:
 A = no stand mounting holes G = 12" from idler end with braces
 B = 12" from idler end H = 18" from idler end with braces
 C = 18" from idler end J = 24" from idler end with braces
 D = 24" from idler end K = 30" from idler end with braces
 E = 30" from idler end
Drive End Stand Location:
 A = no stand mounting holes G = 12" from drive end with braces
 B = 12" from drive end H = 18" from drive end with braces
 C = 18" from drive end J = 24" from drive end with braces
 D = 24" from drive end
Motor Shaft Position: A or D
Idler End:
 1 = Standard
Drive / Pulley Type:
 1 = Standard Bottom Drive
 2 = Standard Side Drive
 3 = Bottom Drive Tail w/ Dual Output Shaft
 4 = Side Drive Tail w/ Dual Output Shaft
Length: 036-999
Belt Width: 08-24
Language: M = English

Drive Shaft Position

Example: 735M1811831AGH50NK06
Description: AquaGard 7350 Series straight cleated stainless steel conveyor with auxiliary shaft bottom drive tail in position A, 18" (457mm) nominal width x 9'-10" (2997mm) long with low side with keyslot holes profile. Plastic chain is type NK white flat (closed) top polypropylene with 1" (25mm) tall cleats on 6" (152mm) centers. Note: Usable chain width is 15.13" (384mm). Depending upon belt width, each individual cleat may consist of multiple pieces. The conveyor is configured to have Dorner stainless steel support stands with diagonal braces 18" (457mm) from infeed end and 12" (305mm) from discharge end.

Conveyor sections longer than 11' (3353mm) are constructed using a multiple piece frame. It is recommended that each frame joint be supported by a support stand or other means. If support stand location is a concern, please consult factory for support locations.

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7350 SERIES: STRAIGHT INFEED / IDLER – SECTION 1

7 3 5 1 M W W L L L D A P P P P B B 1

Sequence Number: 1

Belt Material: MN, MP, etc.

Profile (D Side):

- 01 = Lowside
- 13 = Fully Adjustable Round
- 14 = Tool-less Fully Adjustable Round
- 15 = Twin Rail Adjustable Round
- 16 = Tool-less Twin Rail Adjustable Round
- 17 = Fully Adjustable 1" Flat
- 18 = Tool-less Fully Adjustable 1" Flat
- 50 = Low Side - Key Slot Holes D Side
- 51 = Low Side - .41 Diameter Holes D Side

Profile (A Side):

- 01 = Lowside
- 13 = Fully Adjustable Round
- 14 = Tool-less Fully Adjustable Round
- 15 = Twin Rail Adjustable Round
- 16 = Tool-less Twin Rail Adjustable Round
- 17 = Fully Adjustable 1" Flat
- 18 = Tool-less Fully Adjustable 1" Flat
- 50 = Low Side - Key Slot Holes D Side
- 51 = Low Side - .41 Diameter Holes D Side

Infeed Stand Location:

- A = no stand mounting holes
- B = 12" from drive end
- C = 18" from drive end
- D = 24" from drive end
- E = 30" from drive end
- F = 36" from drive end
- G = 12" from drive end with braces
- H = 18" from drive end with braces
- J = 24" from drive end with braces
- K = 30" from drive end with braces
- M = 36" from drive end with braces

Pulley Type:

- 1 = Standard Idler Pulley

Length: 036-999

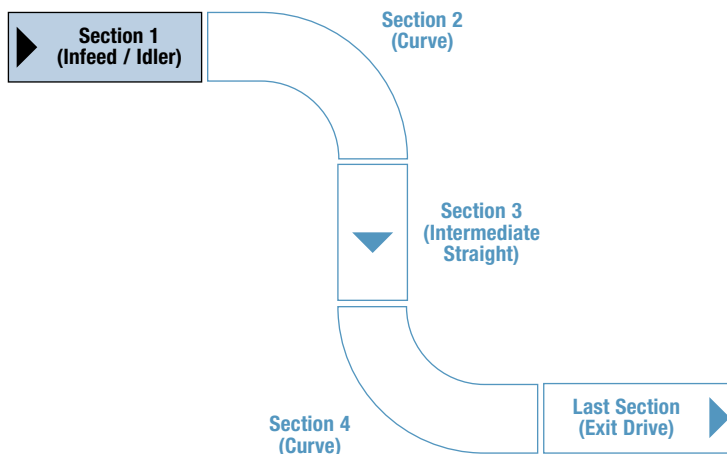
Belt Width: 04-36

Language: M = English

Example: 7351M120361B5001MT1

Description: AquaGard 7350 Series infeed module for a stainless steel curve conveyor with standard infeed tail, 12" (305mm) nominal width x 3' (914mm) long with low side with keyslot holes profile on the A side, low side profile on the D side and type MT plastic chain. The conveyor is configured to have Dorner stainless steel support stands 12" (305mm) from infeed end. Note: Usable chain width is 11.84" (301mm).

Conveyor sections longer than 11' (3353mm) are constructed using a multiple piece frame. It is recommended that each frame joint be supported by a support stand or other means. If support stand location is a concern, please consult factory for support locations.



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7350 SERIES: CURVE – SECTION 2

7 3 5 2 M W W D D D P P P B B R 2

Sequence Number: 2, 4

Hand: R = Right, L = Left

Belt Material: MN, MP, etc.

Profile Curve - D Side (Inside - R, Outside - L):

- 01 = Lowside
- 13 = Fully Adjustable Round
- 14 = Tool-less Fully Adjustable Round
- 15 = Twin Rail Adjustable Round
- 16 = Tool-less Twin Rail Adjustable Round
- 17 = Fully Adjustable 1" Flat
- 18 = Tool-less Fully Adjustable 1" Flat
- 50 = Low Side - Key Slot Holes D Side
- 51 = Low Side - .41 Diameter Holes D Side

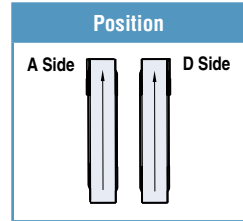
Profile Curve - A Side (Inside - L, Outside - R):

- 01 = Lowside
- 13 = Fully Adjustable Round
- 14 = Tool-less Fully Adjustable Round
- 15 = Twin Rail Adjustable Round
- 16 = Tool-less Twin Rail Adjustable Round
- 17 = Fully Adjustable 1" Flat
- 18 = Tool-less Fully Adjustable 1" Flat
- 50 = Low Side - Key Slot Holes D Side
- 51 = Low Side - .41 Diameter Holes D Side

Degree of Turn: 045, 090, 135, 180

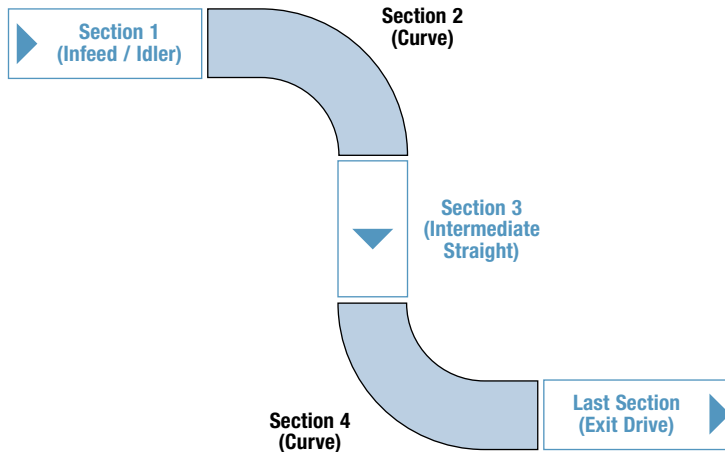
Belt Width: 04-36

Language: M = English



Example: 7352M120905001MTL2

Description: AquaGard 7350 Series curve module for a stainless steel conveyor, 12" (305mm) nominal width x 90 degree angle at a 23.2" (589mm) radius to the center line of the belt and low side with keyslot holes profile on the A side, low side profile on the D side with type MT (open mesh) acetal plastic chain. Note: Usable chain width is 11.84" (301mm).



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7350 SERIES: STRAIGHT INTERMEDIATE – SECTION 3

7 3 5 3 M WW LLL PP PP BB 3

Sequence Number: 3

Belt Material: MN, MP, etc.

Profile (D Side):

- 01 = Lowside
- 13 = Fully Adjustable Round
- 14 = Tool-less Fully Adjustable Round
- 15 = Twin Rail Adjustable Round
- 16 = Tool-less Twin Rail Adjustable Round
- 17 = Fully Adjustable 1" Flat
- 18 = Tool-less Fully Adjustable 1" Flat
- 50 = Low Side - Key Slot Holes D Side
- 51 = Low Side - .41 Diameter Holes D Side

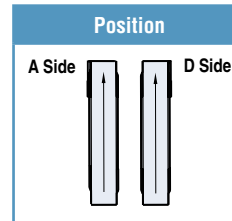
Profile (A Side):

- 01 = Lowside
- 13 = Fully Adjustable Round
- 14 = Tool-less Fully Adjustable Round
- 15 = Twin Rail Adjustable Round
- 16 = Tool-less Twin Rail Adjustable Round
- 17 = Fully Adjustable 1" Flat
- 18 = Tool-less Fully Adjustable 1" Flat
- 50 = Low Side - Key Slot Holes D Side
- 51 = Low Side - .41 Diameter Holes D Side

Length: 036-999

Belt Width: 04-36

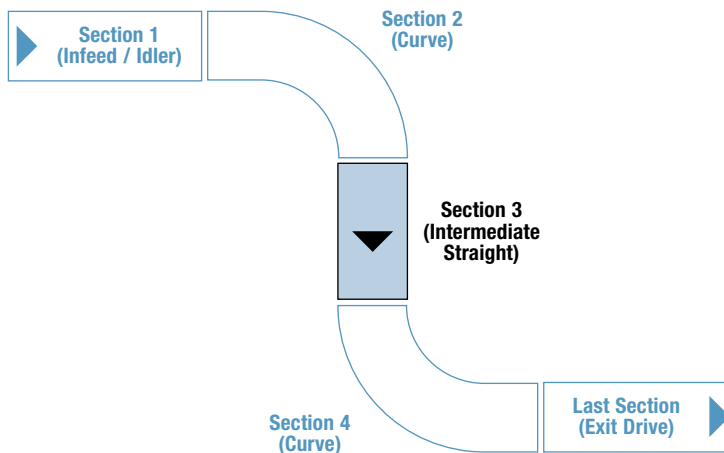
Language: M = English



Example: 7353M120365001MT3

Description: AquaGard 7350 Series mid module for a stainless steel curve conveyor, 12" (305mm) nominal width x 3' (914mm) long with low side with keyslot holes profile on the A side, low side profile on the D side and type MT plastic chain. Note: Usable chain width is 11.84" (301mm).

Conveyor sections longer than 11' (3353mm) are constructed using a multiple piece frame. It is recommended that each frame joint be supported by a support stand or other means. If support stand location is a concern, please consult factory for support locations.



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7350 SERIES: STRAIGHT EXIT / DRIVE – LAST SECTION

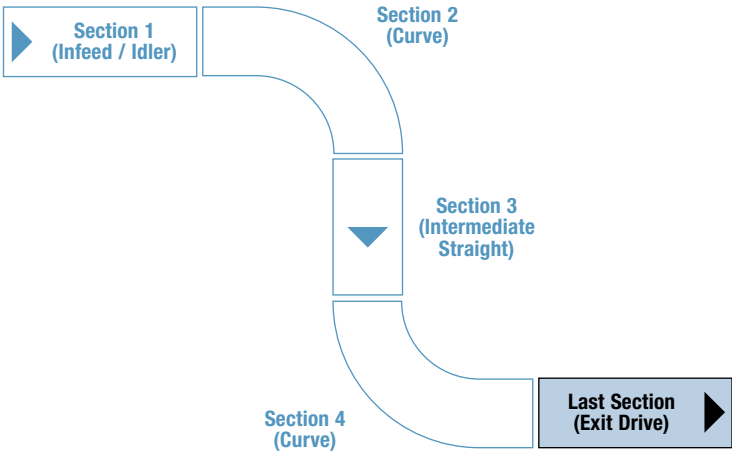
7 3 5 4 M W W L L L D A S S P P P B B 4

Sequence Number: 3, 5
Belt Material: MN, MP, etc.
Profile (D Side):
 01 = Lowside
 13 = Fully Adjustable Round
 14 = Tool-less Fully Adjustable Round
 15 = Twin Rail Adjustable Round
 16 = Tool-less Twin Rail Adjustable Round
 17 = Fully Adjustable 1" Flat
 18 = Tool-less Fully Adjustable 1" Flat
 50 = Low Side - Key Slot Holes D Side
 51 = Low Side - .41 Diameter Holes D Side
Profile (A Side):
 01 = Lowside
 13 = Fully Adjustable Round
 14 = Tool-less Fully Adjustable Round
 15 = Twin Rail Adjustable Round
 16 = Tool-less Twin Rail Adjustable Round
 17 = Fully Adjustable 1" Flat
 18 = Tool-less Fully Adjustable 1" Flat
 50 = Low Side - Key Slot Holes D Side
 51 = Low Side - .41 Diameter Holes D Side
Discharge Stand Location:
 A = no stand mounting holes
 B = 12" from drive end
 C = 18" from drive end
 D = 24" from drive end
 G = 12" from drive end with braces
 H = 18" from drive end with braces
 J = 24" from drive end with braces
Drive Position: A or D
Pulley Type:
 1 = Standard Idler Pulley
 2 = Standard Side Drive
 3 = Bottom Drive Tail w/ Dual Output Shaft
 4 = Side Drive Tail w/ Dual Output Shaft
Length: 036-999
Belt Width: 04-36
Language: M = English, U = CE English

Drive Shaft Position

Example: 7354M120483AB5001MT5
Description: AquaGard 7350 Series discharge module for a stainless steel curve conveyor with auxiliary shaft bottom drive tail in position A, 12" (305mm) nominal width x 4' (1219mm) long with low side with keyslot holes profile on the A side, low side profile on the D side and type MT plastic chain. The conveyor is configured to have Dorner stainless steel support stands 12" (305mm) from discharge end. Note: Usable chain width is 11.84" (301mm).

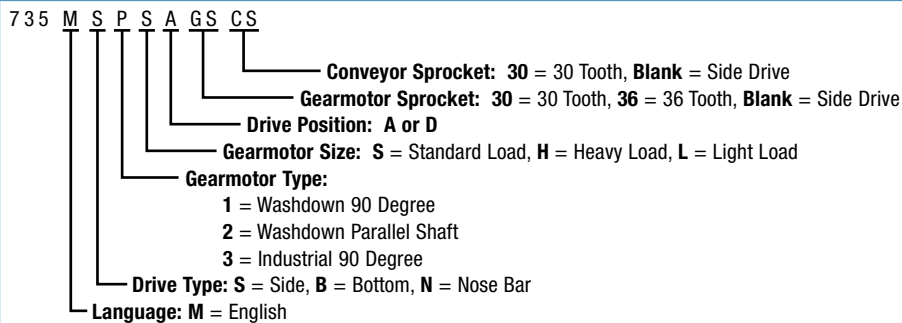
Conveyor sections longer than 11' (3353mm) are constructed using a multiple piece frame. It is recommended that each frame joint be supported by a support stand or other means. If support stand location is a concern, please consult factory for support locations.



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AquaGard® 7350 SERIES: PART NUMBER REFERENCE

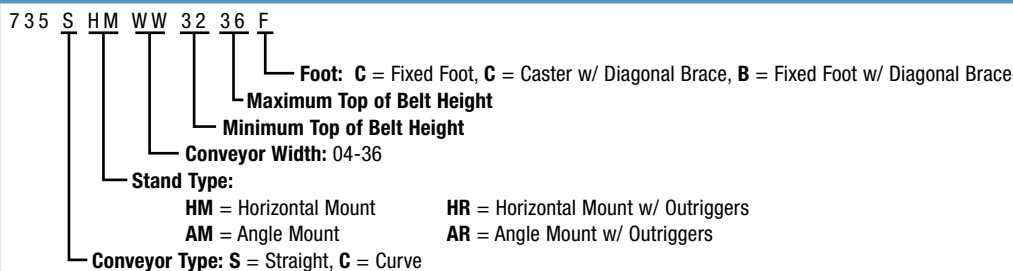
7350 SERIES: GEARMOTOR MOUNT PACKAGES



Example: 735MS1SD

Description: AquaGard 7350 Series side mounting package for a 90 degree FDA painted gearmotor mounted in the D position.

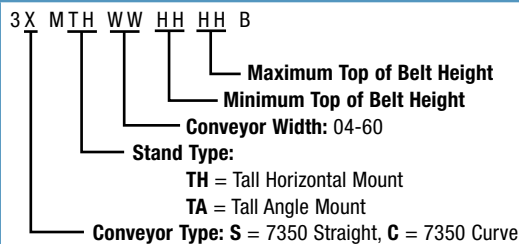
7350 SERIES: SUPPORT STANDS



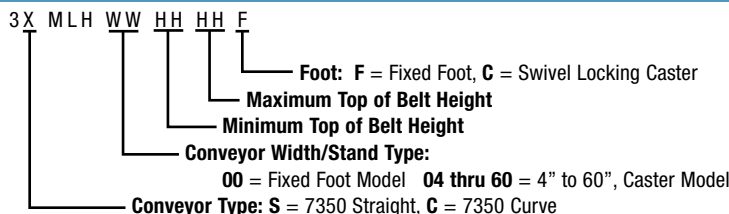
Example: 735SAR123438C

Description: AquaGard 7350 Series 0 to 60 degree angle direct mounting outrigger stainless steel support stand for a 12" (305mm) wide 7350 series conveyor, adjustable height from 34" to 38" (864mm - 965mm) top of belt with total locking casters. This stand consists of stainless welded open channel construction and requires one 39MB-220 diagonal brace. Required stand height is 36.5" (926mm) and is stand number 1 from infeed end. Uncrated weight = 21 lbs. (9.5 kg).

7350 SERIES: TALL SUPPORT STANDS



7350 SERIES: LOW HEIGHT SUPPORT STANDS



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7350 SERIES: ROLLER TRANSFER PLATE

735ST C - WW
 ———— **Conveyor Width:** 04-36
 ———— **Conveyor Type:** S = 7350 Straight, C = 7350 Curve

7350 SERIES: OVERHEAD GUIDE

735HG A - LL
 ———— **Guide Length:** 03-10
 ———— **Guide Type:** A = Adjustable, T = Tool-less

7350 SERIES: UPPER GUIDE

735UG A W P - LL
 ———— **Guide Length:** 03-10
 ———— **Post:** V = Vertical post, N = No vertical post
 ———— **Guide Width:** 1 = 5", 2 = 10"
 ———— **Guide Type:** A = Adjustable, T = Tool-less

7350 SERIES: ACCESSORY MOUNTING BAR

735AM - LL
 ———— **Tail Version:** 01 = 1" tail, 03 = 3" tail

7350 SERIES: PHOTO EYE AND REFLECTOR MOUNTING BRACKETS

735 PM - FP
 ———— **Post Type:**
 NP = Fixed Post w/o post included
 FP = Fixed Post w/ post included
 AM = Accessory Mount
 ———— **Mount Type:**
 PM = Photoeye Mount
 RM = Reflective Mount
 CM = Convergent Mount

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AQUAGARD® SERIES

7360 SANITARY CONVEYORS
STAINLESS STEEL

*Aqua***Gard**®

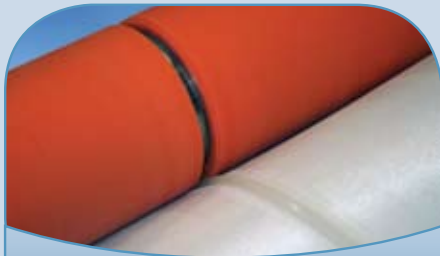


General Specifications:

- Flat and Cleated Belt
- Z-Frame Flat and Cleated Belt
- Belt widths: 4" (102 mm) to 52" (1,321 mm)
- Lengths: 36" (914 mm) to 40' (12,192 mm)
- Load Capacity: up to 500 lbs (227 kg)
- CE models available

Applications:

- Part Transfers
- Mainline Packaging
- High Speed Long Runs
- Automated and Manual Assembly
- Part Incline / Decline Routing (Z-Frame)



**V-Guided
Belt Tracking**



**1" Nose Bar
Tail**



**No Drilling with
Innovative Key Hole
& Mounting Rod**



STANDARD FEATURE OVERVIEW **298**

FLAT BELT END DRIVE **300**

CLEATED BELT END DRIVE **302**

FLAT BELT CENTER DRIVE **304**

Z-FRAME FLAT BELT **306**

Z-FRAME CLEATED BELT **308**

PROFILES **310**

BELTING **311**

GEARMOTOR MOUNTING PACKAGES **315**

GEARMOTORS **318**

SUPPORT STANDS **324**

ACCESSORIES **328**

PART NUMBER REFERENCE **330**

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

Dorner's AquaGard is ready for
your next product Move!

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

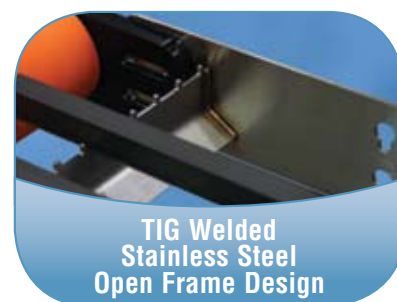
Maximum Flexibility

- Straights & 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



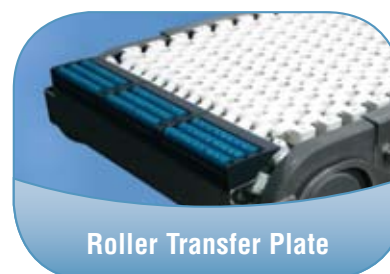
Increase Throughput

- Speeds up to 300 feet per minute
- V-Guided Belt Tracking
- 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:

- Loads up to 500 lbs (227 kg)
- Belt speeds up to 300 ft/min maximum (91 m/min)
- Belt widths: 4" (102 mm) to 52" (1,321 mm)
- Total lengths: 3' (914 mm) up to 40' (12,192 mm)
- Wearstrip material is hard coat anodized aluminum
- One revolution of the drive pulley moves the belt approximately 11"
- TIG welded 304 Stainless Steel Frame
- Hard Chrome Coated Bearing with FDA H1 Food Grade Grease
- FDA approved belting and plastic components
- **CE** models available



OPTIONAL:
Adjustable Scraper

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Frame is constructed of TIG welded 304 stainless steel and features open design with minimal horizontal surfaces
- Hard coat 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 single and twin rail, and high side
- Spindle has groove for V-guided belt and optimum performance
- Integrate jack-screw system in tails for belt take up and easy tracking adjustments
- The center drive (optional) allows additional clearance on ends when needed
- Nose bar idler tail (optional) has 1" diameter pulley for small product transfers
- The Powered Transfer (optional) has 1/2" diameter pulleys for maintaining speed through transfer
- Roller Transfer Plate (optional) for smooth product transfer in minimal added length
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max



V-Guided Belt
Tracking



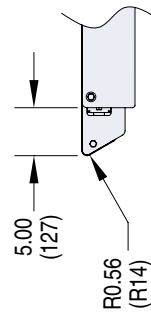
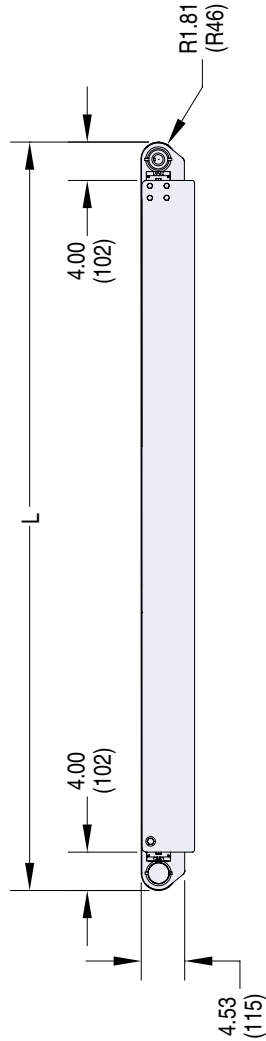
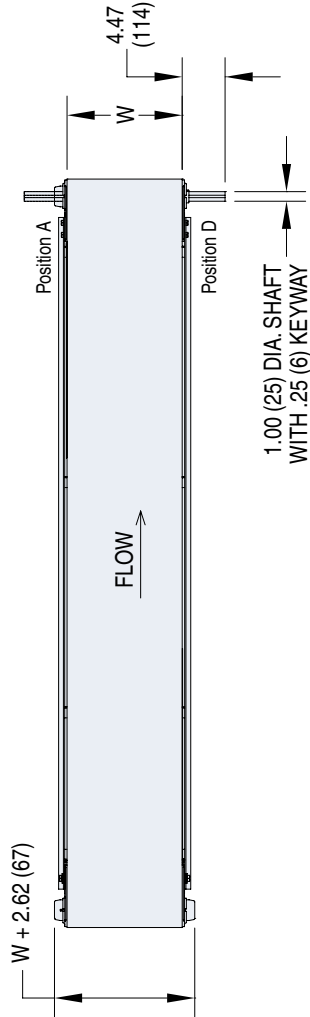
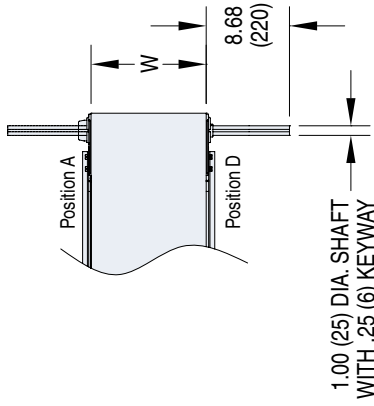
Tip-Up Tail



1" Nose Bar Tail

Order gearmotor mounting packages and gearmotors separately, see pages 315-322.
For support stands and accessories, see pages 324-329.

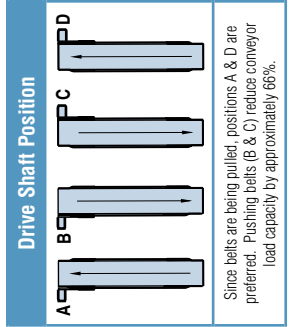
For ordering information, see page 330



OPTIONAL NOSE BARTAIL

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

STANDARD SIZES	
Conveyor Width Reference	04
Conveyor Belt Width (W)	4" (102mm)
Conveyor Length Reference	036
Conveyor Length (L)	36" (914mm)
	02 increments up to...
	2" (51mm) increments up to...
	001 increments up to...
	1" (25mm) increments up to...
	52
	52" (1,321mm)
	480
	480" (12,192mm)



Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.

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:

- Loads up to 500 lbs (227 kg)
- Belt speeds up to 300 ft/min maximum (91 m/min)
- Belt widths: 6" (152 mm) to 24" (610 mm)
- Total lengths: 3' (914 mm) up to 40' (12,192 mm)
- Cleats available in 1" and 3" heights
- Wearstrip material is hard coat anodized aluminum
- One revolution of the drive pulley moves the belt approximately 11"
- TIG welded 304 Stainless Steel Frame
- Hard Chrome Coated Bearing with FDA H1 Food Grade Grease
- FDA approved belting and plastic components
- CE models available



* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Frame is constructed of TIG welded 304 stainless steel and features open design with minimal horizontal surfaces
- Hard coat 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 single and twin rail, and high side
- Spindle has groove for V-guided belt and optimum performance
- Integrate jack-screw system in tails for belt take up and easy tracking adjustments
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max

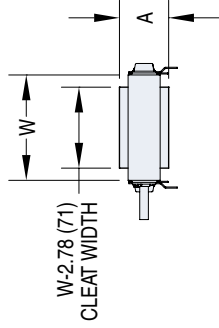
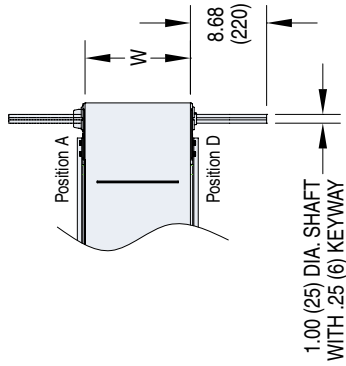


Order gearmotor mounting packages and gearmotors separately, see pages 315-322.
For support stands and accessories, see pages 324-329.

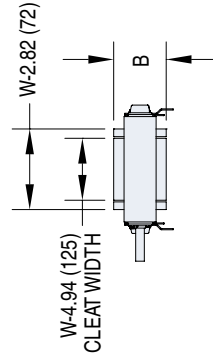
For ordering information, see page 331

AQUAGARD® 7360 SERIES: CLEATED BELT END DRIVE

OPTIONAL LONG SHAFT FOR SIDE DRIVE

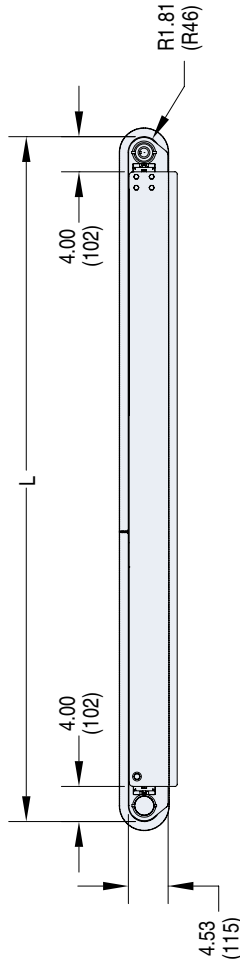
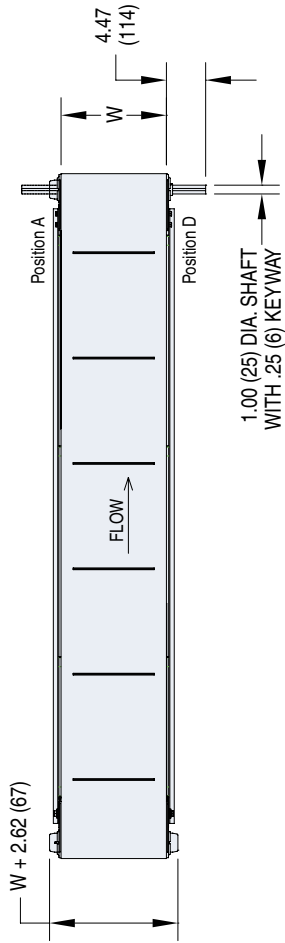


- A=5.60 (142) for A or J cleats
- 6.17 (157) for B, K, P or S cleats
- 6.96 (177) for C, L, Q or T cleats
- 5.03 (128) for G or M cleats
- 5.39 (137) for N or R cleats



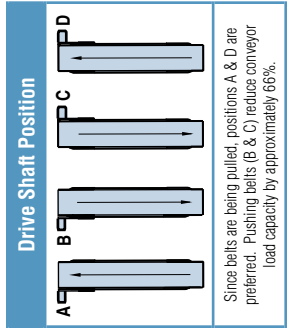
SIDEWALL CLEATED BELT

- B=5.78 (147) for W or Y cleats
- 6.57 (167) for X or Z cleats



W = Conveyor Belt Width Dim = in (mm)

STANDARD SIZES			
Conveyor Width Reference	06	02 increments up to...	24
Conveyor Belt Width (W)	6" (152mm)	2" (51mm) increments up to...	24" (610mm)
Conveyor Length Reference	036	001 increments up to...	480
Conveyor Length (L)	36" (914mm)	1" (25mm) increments up to...	480" (12,192mm)



Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.

Specifications:

- Loads up to 500 lbs (227 kg)
- Belt Speeds up to 300 ft/min (91 m/min)
- Belt Widths: 4" (102mm) to 52" (1,321 mm)
- Lengths: 4' (1,219mm) to 83' (25,298 mm)
- 16" of Belt Take-up
- (2) Methods of Automatic Belt Take-up
 - Pneumatic Cylinder
 - Spring Loaded
- Wearstrip material is Hard Coat Aluminum
- TIG welded 304 Stainless Steel Frames
- One revolution of drive pulleys moves the belt approximately 11"
- FDA approved belting and plastic components
- CE models available



OPTIONAL:
Adjustable Scraper

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Automatic belt take-up system adjusts for belt stretch and changing load conditions improving belt life and minimizing maintenance.
- Nosebar tail option is available on both ends of the conveyor for small part transfers
- Lengths to 83' long for product cooling applications
- Frame is constructed of TIG welded 304 stainless steel and features open design with minimal horizontal surfaces
- Hard coat 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 single and twin rail, and high side
- Spindle has groove for V-guided belt and optimum performance
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max



V-Guided Belt
Tracking



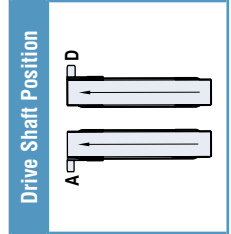
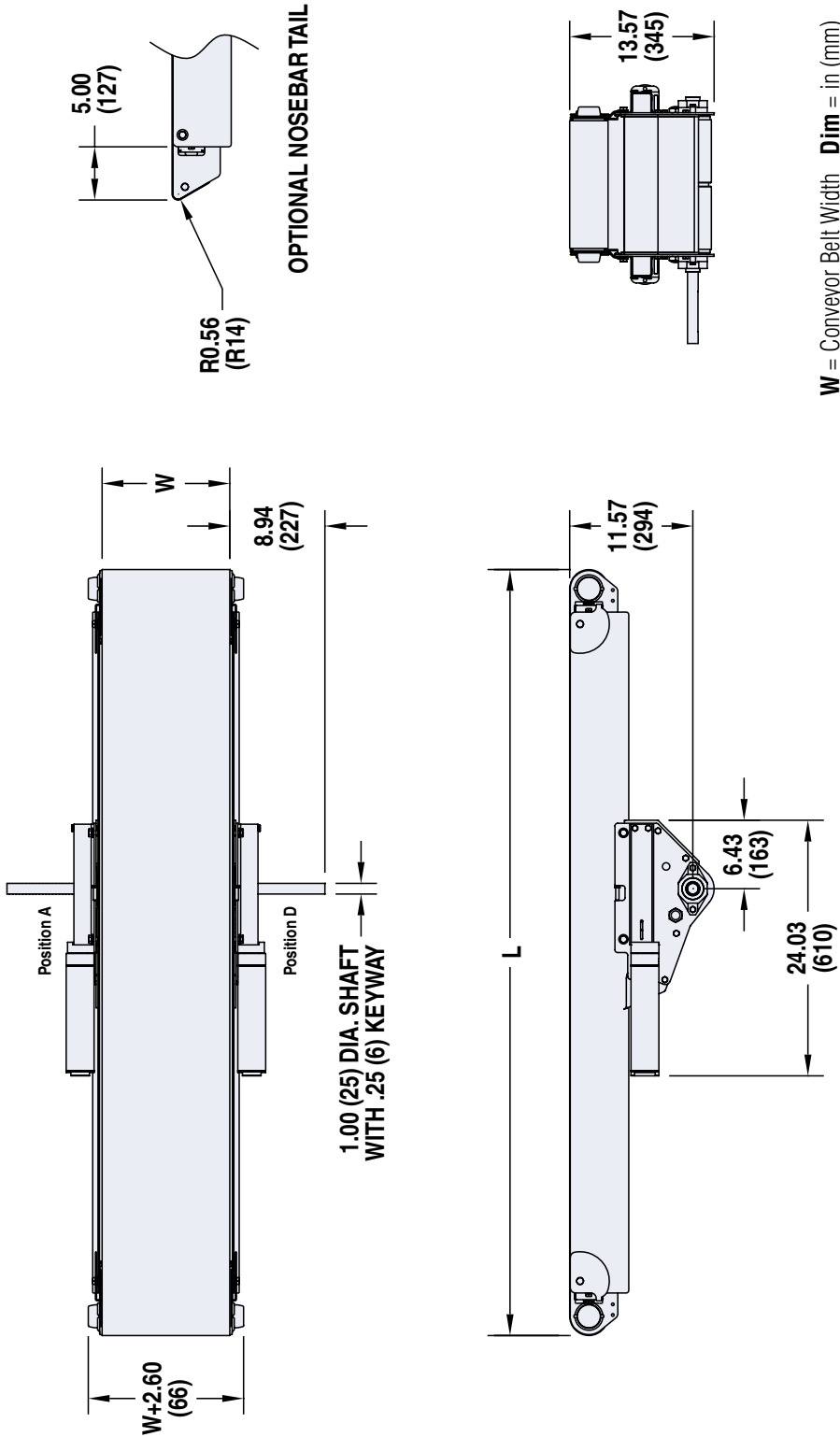
Tip-Up Tail



1" Nose Bar Tail

Order gearmotor mounting packages and gearmotors separately, see pages 315-322.
For support stands and accessories, see pages 324-329.

For ordering information, see page 330



STANDARD SIZES		
Conveyor Width Reference	04	02 increments up to...
Conveyor Belt Width (W)	4" (102mm)	2" (51mm) increments up to...
Conveyor Length Reference	048	001 increments up to...
Conveyor Length (L)	48" (1,219mm)	1" (25mm) increments up to...
		52
		52" (1,321mm)
		999
		999" (25,375mm)

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:

- Loads up to 500 lbs (227 kg)
- Belt speeds up to 300 ft/min maximum (91 m/min)
- Belt widths: 4" (102 mm) to 24" (610 mm)
- Total lengths up to 40' (12,192 mm)
- 5° to 30° fixed angle modules in 5° increments
- Wearstrip material is hard coat anodized aluminum
- One revolution of the drive pulley moves the belt approximately 11"
- TIG welded 304 Stainless Steel Frame
- Hard Chrome Coated Bearing with FDA H1 Food Grade Grease
- FDA approved belting and plastic components
- CE models available

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.



Features & Benefits:

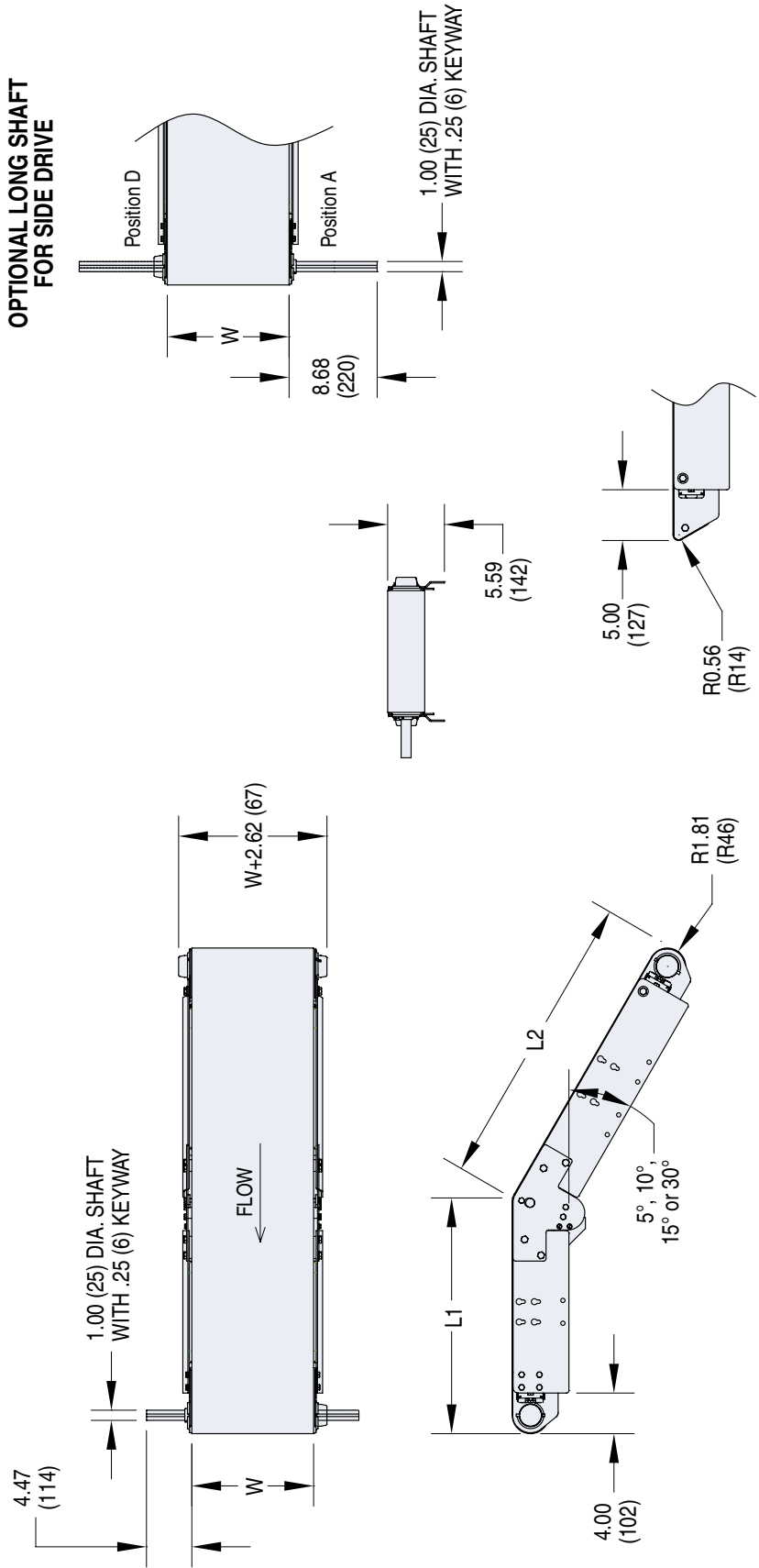
- Frame is constructed of TIG welded 304 stainless steel and features open design with minimal horizontal surfaces
- Hard coat anodized aluminum wear strips located in welded cross members for durable belt support
- Mount controls and accessories fast with no drilling required includes adjustable guiding, photo eyes, low voltage wires, controls, and air tubing
- Flexible guiding packages for a variety of applications including fully adjustable single and twin rail, and high side
- Spindle has groove for V-guided belt and optimum performance
- Integrate jack-screw system in tails for belt take up and easy tracking adjustments
- The center drive (optional) allows additional clearance on ends when needed
- Nose bar idler tail (optional) has 1" diameter pulley for small product transfers
- The Powered Transfer (optional) has 1/2" diameter pulleys for maintaining speed through transfer
- Roller Transfer Plate (optional) for smooth product transfer in minimal added length
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max



Order gearmotor mounting packages and gearmotors separately, see pages 315-322.
For support stands and accessories, see pages 324-329.

For ordering information, see page 332

AQUAGARD® 7360 SERIES: Z-FRAME FLAT BELT



OPTIONAL LONG SHAFT FOR SIDE DRIVE

OPTIONAL NOSE BAR TAIL

W = Conveyor Belt Width Dim = in (mm)

STANDARD SIZES			
Conveyor Width Reference	04	02 increments up to...	24
Conveyor Belt Width (W)	4" (102mm)	2" (51mm) increments up to...	24" (610mm)
Conveyor Length Reference	024	001 increments up to...	480
Conveyor Length (L ₁ , L ₂)	24" (610mm)	1" (25mm) increments up to...	480" (12,192mm)

Drive Shaft Position

Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.



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.

AquaGard® 7360 SERIES: Z-FRAME CLEATED BELT

Specifications:

- Loads up to 500 lbs (227 kg)
- Belt speeds up to 300 ft/min maximum (91 m/min)
- Belt widths: 6" (152 mm) to 24" (610 mm)
- Total lengths up to 40' (12,192 mm)
- 30° to 60° fixed angle modules available in 5° increments
- Wearstrip material is hard coat anodized aluminum
- One revolution of the drive pulley moves the belt approximately 11"
- TIG welded 304 Stainless Steel Frame
- Hard Chrome Coated Bearing with FDA H1 Food Grade Grease
- FDA approved belting and plastic components
- **CE** models available



Sidewall Cleated Belts for Small Parts

* Conveyor load capacity depends on conveyor size, incline, motor position, accumulated loads and other factors.

Features & Benefits:

- Frame is constructed of TIG welded 304 stainless steel and features open design with minimal horizontal surfaces
- Hard coat 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 single and twin rail, and high side
- Spindle has groove for V-guided belt and optimum performance
- Integrate jack-screw system in tails for belt take up and easy tracking adjustments
- Conveyor is suitable for wipe-down and occasional pressurized liquid spray cleaning up to 100 psi max



OPTIONAL: V-Guided Belt Tracking



High Side Guides



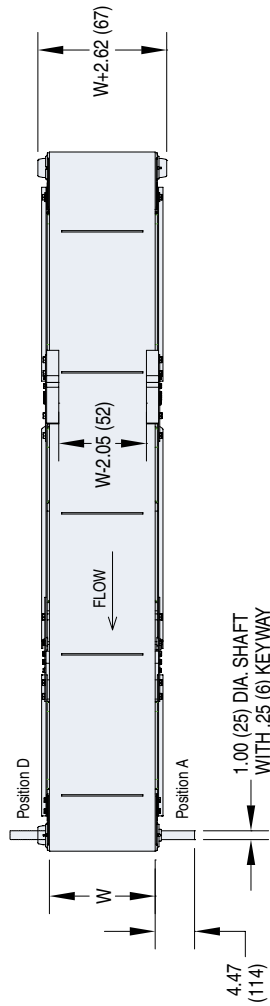
OPTIONAL: Tip-Up Tail



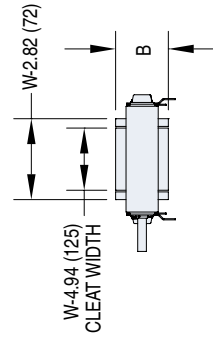
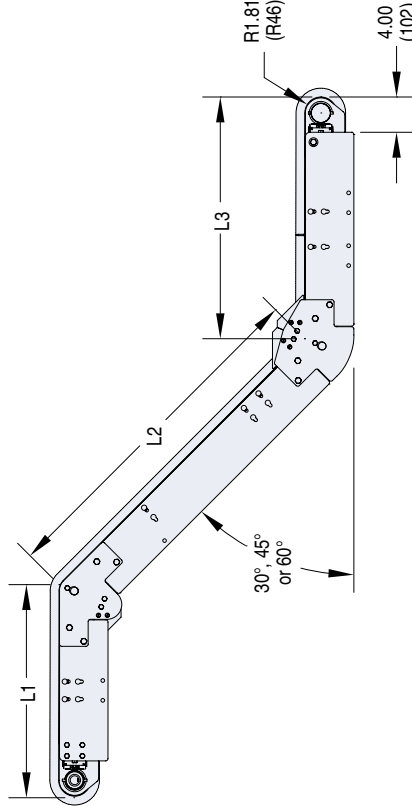
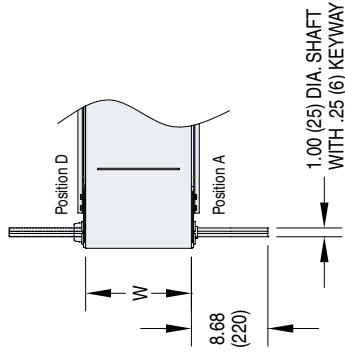
Z-Frame Configurations

Order gearmotor mounting packages and gearmotors separately, see pages 315-322.
For support stands and accessories, see pages 324-329.

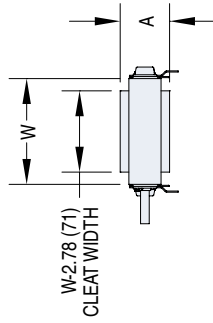
For ordering information, see page 333



OPTIONAL LONG SHAFT FOR SIDE DRIVE



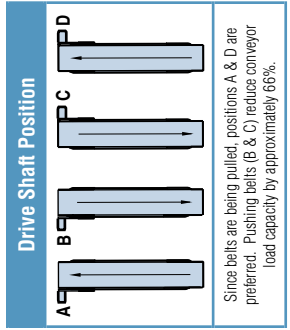
SIDEWALL CLEATED BELT
B= 5.78 (147) for W or Y cleats
6.57 (167) for X or Z cleats



A= 5.60 (142) for A or J cleats
6.17 (157) for B, K, P or S cleats
6.96 (177) for C, L, Q or T cleats
5.03 (128) for G or M cleats
5.39 (137) for N or R cleats

W = Conveyor Belt Width Dim = in (mm)

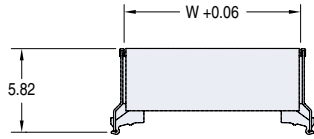
STANDARD SIZES			
Conveyor Width Reference	06	02 increments up to...	24
Conveyor Belt Width (W)	6" (152mm)	2" (51mm) increments up to...	24" (610mm)
Conveyor Length Reference	024	001 increments up to...	480
Conveyor Length (L ₁ , L ₂ , L ₃)	24" (610mm)	1" (25mm) increments up to...	480" (12,192mm)



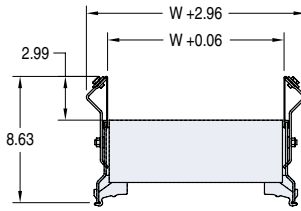
Since belts are being pulled, positions A & D are preferred. Pushing belts (B & C) reduce conveyor load capacity by approximately 66%.

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.

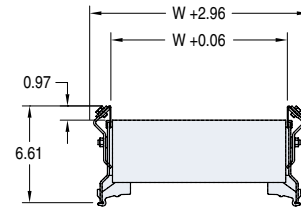
FLAT PROFILES



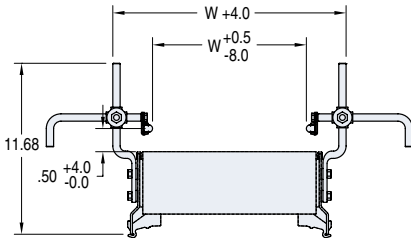
01
Low Side



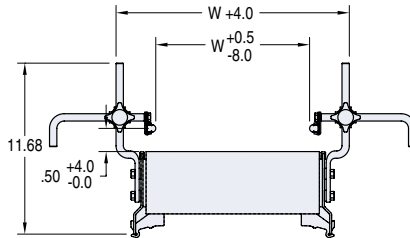
04
3" Bolt-On High Side



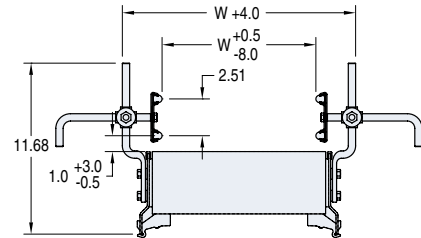
05
1" Bolt-On High Side



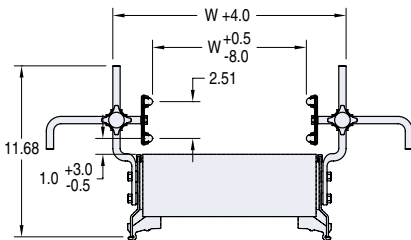
13
Fully Adjustable Round



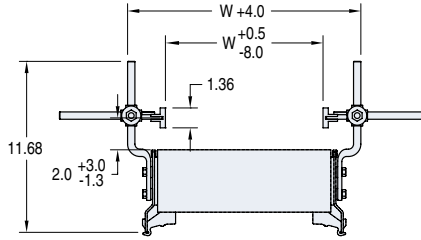
14
Fully Adjustable Round
w/ Tool-less Handles



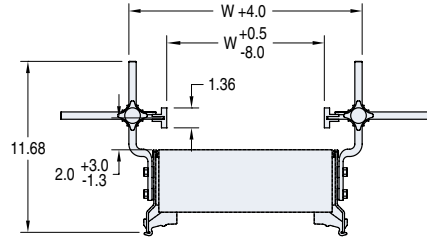
15
Fully Adjustable Twin Rail



16
Fully Adjustable Twin Rail
w/ Tool-less Handles



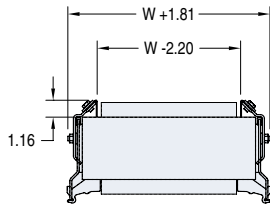
17
Fully Adjustable Flat



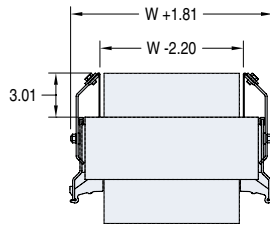
18
Fully Adjustable Flat
w/ Tool-less Handles

Note: Profile 17 and 18 use flexible UHMW rail for flex around curve module.

CLEATED PROFILES



02
1" Bolt-On High Side



03
3" Bolt-On High Side

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

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

Wet applications are limited to specialty belt types 54, 55, 69 and 70 only!



Standard Belt Selection Guide

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

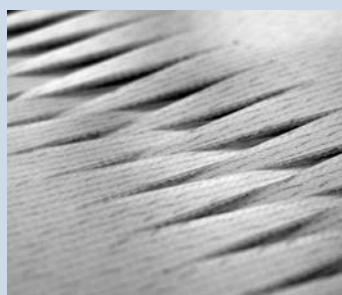
Belt Type - Finger Splice	Belt Type - Plastic Clipper	Belt Type - Metal Clipper**	Belt Specifications	Thickness	Surface Material	Carcass Material	Maximum Part Temp.	Coefficient of Friction	FDA Approved	Anti-Static	Static Conductive	Chemical Resistant	Special Characteristics or Applications
01	A1	1A	FDA Accumulation	0.063" (1.6)	Urethane	Polyester	176°F (80°C)	Low	x	x		Good	Packaging, clean room & 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 & 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*
09			Nose Bar High Friction	0.055" (1.4)	Urethane	Polyester	212°F (100°C)	High	x			Good	Nose Bar Applications

Dim = in (mm)

Note: See below for splice details. Plastic Clipper splice requires longer lead times. No Metal Clipper Splice on belts over 48" (1,219 mm) wide.

*Incline varies due to factors like dust, fluids and part material. **Metal Clipper splices are not sanitary.

BELT SPLICING



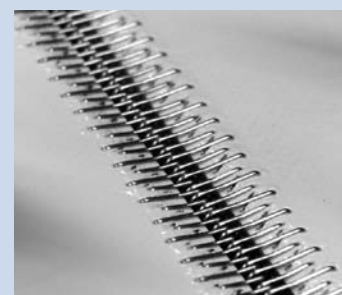
Finger Splice

All belts are available with a standard Thermoformed finger splice. This splice makes the belt continuous and is virtually undetectable. Splice bonding methods vary by belt type. Consult factory for details.



Plastic Clipper***

An optional plastic clipper splice is available for quick removal of belts or when conveyors are installed in tight spaces.



Metal Clipper***

An optional metal clipper splice is also available for quick removal of belts or when conveyors are installed in tight spaces. *(Not Sanitary)*

*** See belt charts for compatibility. Not for use with 7360 Series belt scraper option. Plastic and Metal Clippers are slightly thicker than base belt. Contact factory for details.*

Wet applications are limited to specialty belt types 54, 55, 69 and 70 only!

Solid Urethane belt for added sanitary protection –

See belt type 70 below

High Release Cover belt for handling sticky food such as raw dough –

See belt type 71 below



Specialty Belt Selection Guide

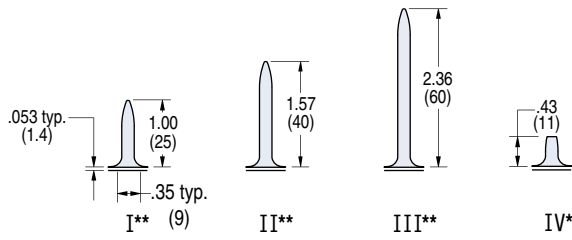
Specialty belt material is not stocked at Dorner and needs to be custom ordered for your special conveyor needs.

Belt Type - Finger Splice	Belt Type - Plastic Clipper	Belt Type - Metal Clipper**	Belt Specifications	Belt Thickness	Surface Material	Maximum Part Temp.	Coefficient of Friction	FDA Approved	Chemical Resistance	Moisture Resistance	Special Characteristics or Applications
54	F4	4F	FDA Sealed Edge	0.06 (1.5)	Urethane	176°F (80°C)	Low	x	Good	Good	Packaging, clean room & inspection, wet environment
55	F5	5F	FDA Sealed Edge	0.06 (1.5)	Urethane	176°F (80°C)	High	x	Good	Good	Packaging, clean room & inspection, wet environment
56		6F	Cut Resistant	0.08 (2.1)	Urethane	212°F (100°C)	Med.		Good	Poor	Oily product release, Metal stamping
57		7F	Cut Resistant	0.10 (2.5)	Nitrile	176°F (80°C)	Med.		Poor	Poor	Felt-like, dry metal stamping, glass & ceramic
59	F9	9F	Color Contrasting	0.06 (1.5)	PVC	158°F (70°C)	Med.		Poor	Poor	Black colored, hides overspray from ink jet
60	G0	0G	Color Contrasting	0.05 (1.2)	Urethane	212°F (100°C)	Low	x	Good	Poor	Green colored, Nose Bar
61	G1	1G	Color Contrasting	0.05 (1.2)	Urethane	212°F (100°C)	Low	x	Good	Poor	Blue colored, Nose Bar
63		3G	Electrically Conductive	0.05 (1.2)	Urethane	140°F (60°C)	Low		Good	Poor	Static conductive, electronics handling
64		4G	High Friction	0.17 (4.4)	PVC	194°F (90°C)	V-High		Poor	Poor	Dark Green colored, rough top surface, product cushioning, incline / decline apps
65		5G	Chemical Resistant	0.05 (1.2)	Polypropylene	248°F (120°C)	Low	x	V-Good	Poor	Very good cut resistance, excellent product release
66		6G	Chemical Resistant	0.07 (1.7)	Polyester	212°F (100°C)	Med.	x	V-Good	Poor	Good Cut resistance, metal stamping apps
67		7G	Low Friction Cleated	0.06 (1.6)	Polyester	212°F (100°C)	n/a	x	Good	Poor	Excellent product release, consult factory for part number and how to specify low friction
68	G8		FDA Encased*	0.08 (2.0)	Urethane	212°F (100°C)	Low	x	Good	V-Good	Urethane Enclosed for added sanitary protection
69	G9		FDA Encased*	0.08 (2.0)	Urethane	212°F (100°C)	High	x	Good	V-Good	Urethane Enclosed for added sanitary protection
70			Solid Urethane	0.10 (2.5)	Urethane	212°F (100°C)	Med.	x	Good	V-Good	USDA Approved, wet applications
71			High Release Cover	0.07 (1.7)	Urethane	212°F (100°C)	Low	x	Good	Poor	Raw dough or sticky food product
72			Nose Bar Low Friction	0.05 (1.2)	Urethane	212°F (100°C)	Low	x	Good	Poor	Nose Bar Applications

Dim = in (mm)

No Metal Clipper Splice on belts over 48" (1,219 mm) wide.

* Not available in 2" (51 mm) wide. **Metal Clipper splices are not sanitary.



* = Maximum 7' conveyor length for 18" and wider conveyors

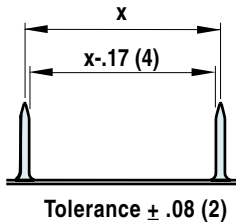
** = Maximum 20" (508 mm) cleat spacing for 7' and longer conveyors

Note: Minimum cleat spacing is approximately 2" (50 mm). Consult Factory.

Standard Cleated Belting

Part No.	Base Belt	Belt Thickness, in (mm)	Belt Surface Material	Cleat Height, in (mm)	Cleat Material	Max. Part Temp.	FDA Approved	Chemical Resistance	Moisture Resistance	Illustration
A	High Friction	0.055 (1.4)	Urethane	1.00 (25)	Urethane	176°F (80°C)	Yes	Good	Poor	I
B	High Friction	0.055 (1.4)	Urethane	1.57 (40)	Urethane	176°F (80°C)	Yes	Good	Poor	II
C	High Friction	0.055 (1.4)	Urethane	2.36 (60)	Urethane	176°F (80°C)	Yes	Good	Poor	III
G	High Friction	0.055 (1.4)	Urethane	0.43 (11)	Urethane	176°F (80°C)	Yes	Good	Poor	IV
J	Low Friction	0.06 (1.6)	Urethane	1.00 (25)	Urethane	212°F (100°C)	Yes	Good	Poor	I
K	Low Friction	0.06 (1.6)	Urethane	1.57 (40)	Urethane	212°F (100°C)	Yes	Good	Poor	II
L	Low Friction	0.06 (1.6)	Urethane	2.36 (60)	Urethane	212°F (100°C)	Yes	Good	Poor	III
M	Low Friction	0.06 (1.6)	Urethane	0.43 (11)	Urethane	212°F (100°C)	Yes	Good	Poor	IV

CLEAT SPACING



Steps:

- 1) Refer to Formulas below
- 2) Use formula 1 to determine the approximate number of cleats required based upon the desired cleat spacing. Since a partial cleat cannot be used, round the number of cleats up or down
- 3) Use formula 2 to get the cleat space reference for the conveyor part number

Formula 1

$$\text{Number of Cleats} = \frac{(\text{Conveyor Length in feet} \times 24) + 4.13}{\text{Desired cleat spacing in inches (x)}}$$

Example

Using a 6' long conveyor and 6" cleat spacing

$$\text{Number of Cleats} = \frac{(6 \times 24) + 4.13}{6} = \frac{148}{6} = \mathbf{25 \text{ Cleats (rounded)}}$$

Formula 2

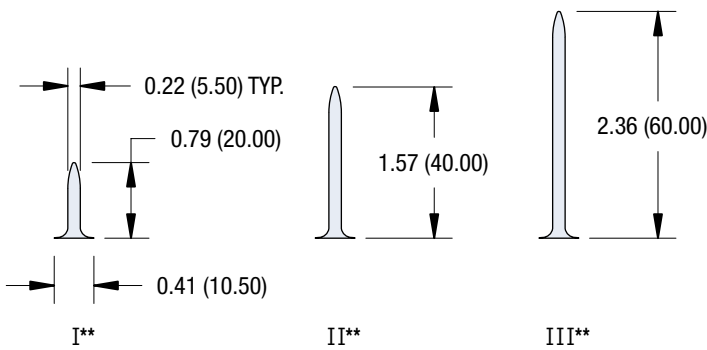
$$\text{Cleat Space Reference (x)} = \frac{(\text{Conveyor Length in feet} \times 24) + 4.13}{\text{Number of Cleats from Formula 1}}$$

Example

Using a 6' long conveyor and 24 cleats

$$\text{Cleat Spacing in inches (x)} = \frac{(6 \times 24) + 4.13}{25 \text{ cleats}} = \frac{148}{25} = 5.92 \text{ or } \mathbf{0592 \text{ Cleat Reference}}$$

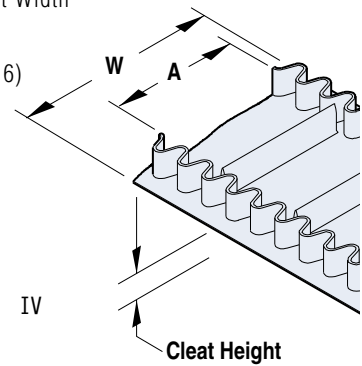
AquaGard® 7360 SERIES: SPECIALTY CLEATED BELTING



W = Conveyor Belt Width*

A = Pocket Width

A = W - 4.57" (116)

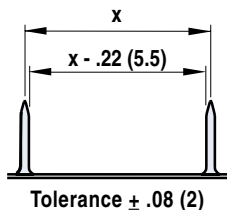


* = Maximum 7' conveyor length for 18" and wider conveyors
 ** = Maximum 20" (508 mm) cleat spacing for 7' and longer conveyors
 Note: Minimum cleat spacing is approximately 2" (50 mm). Consult Factory.

Specialty Cleated Belting

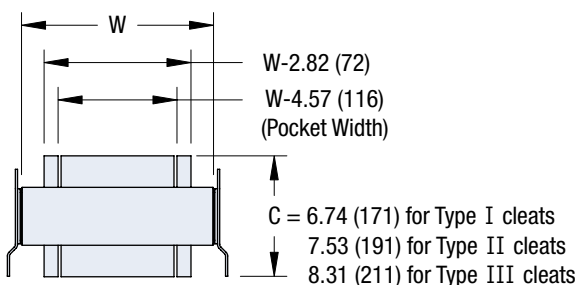
Part No.	Base Belt	Belt Thickness, in (mm)	Belt Surface Material	Cleat Height, in (mm)	Cleat Material	Max. Part Temp.	FDA Approved	Chemical Resistance	Moisture Resistance	Illustration	
Cleated	N	Sealed Edge	0.06 (1.5)	Urethane	0.79 (20)	Urethane	176°F (80°C)	Yes	Good	Good	I
	P	Sealed Edge	0.06 (1.5)	Urethane	1.57 (40)	Urethane	176°F (80°C)	Yes	Good	Good	II
	Q	Sealed Edge	0.06 (1.5)	Urethane	2.36 (60)	Urethane	176°F (80°C)	Yes	Good	Good	III
	R	Encased	0.08 (2.0)	Urethane	0.79 (20)	Urethane	212°F (100°C)	Yes	Good	Very Good	I
	S	Encased	0.08 (2.0)	Urethane	1.57 (40)	Urethane	212°F (100°C)	Yes	Good	Very Good	II
	T	Encased	0.08 (2.0)	Urethane	2.36 (60)	Urethane	212°F (100°C)	Yes	Good	Very Good	III
Sidewall Cleated	U	Standard	0.06 (1.5)	Urethane	1.18 (30)	Urethane	176°F (80°C)	Yes	Good	Poor	IV
	V	Standard	0.06 (1.5)	Urethane	1.97 (50)	Urethane	176°F (80°C)	Yes	Good	Poor	IV
	W	Sealed Edge	0.06 (1.5)	Urethane	1.18 (30)	Urethane	176°F (80°C)	Yes	Good	Good	IV
	X	Sealed Edge	0.06 (1.5)	Urethane	1.97 (50)	Urethane	176°F (80°C)	Yes	Good	Good	IV
	Y	Encased	0.06 (1.5)	Urethane	1.18 (30)	Urethane	176°F (80°C)	Yes	Good	Very Good	IV
	Z	Encased	0.06 (1.5)	Urethane	1.97 (50)	Urethane	176°F (80°C)	Yes	Good	Very Good	IV

CLEAT SPACING



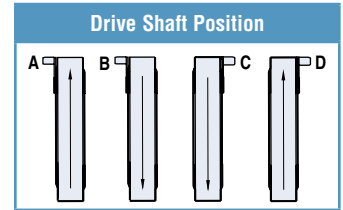
Steps:

- 1) Refer to 7360 Series Formulas on the previous page.
- 2) Use formula 1 to determine the approximate number of cleats required based upon the desired cleat spacing. Since a partial cleat cannot be used, round the number of cleats up or down
- 3) Use formula 2 to get the cleat space reference for the conveyor part number

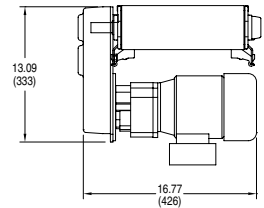
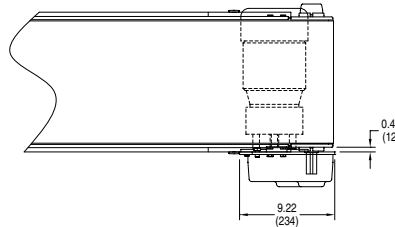


GEARMOTOR MOUNTING PACKAGE & GEARMOTOR SELECTION STEPS

- Step 1:** Select a **Gearmotor Mounting Package** (page 315).
- Step 2:** Locate the appropriate gearmotor chart (pages 318-322) in terms of **Painted** vs. **Stainless Steel** and **Fixed Speed** vs. **Variable Speed**.
- Step 3:** Use the **Belt Speed Column** to locate the **Part Number** for your desired Gearmotor.



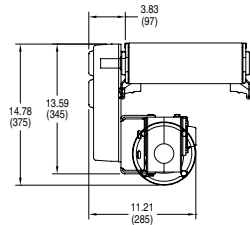
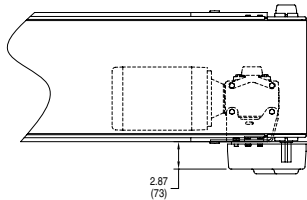
Bottom Mount Package, Parallel Shaft Gearmotor



- Includes stainless steel gearmotor mounting bracket, timing belt, plated pulleys, guard and mounting hardware
- Conveyor belt speed can be adjusted with optional ratio pulley kits

W = Conveyor Belt Width

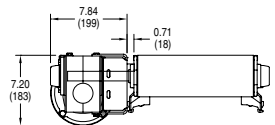
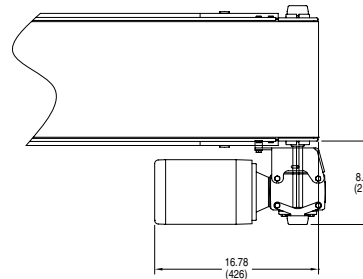
Bottom Mount Package, 90° Gearmotor



- Includes stainless steel gearmotor mounting bracket, timing belt, plated pulleys, guard and mounting hardware
- Conveyor belt speed can be adjusted with optional ratio pulley kits

W = Conveyor Belt Width

Side Mount Package, 90° Gearmotor

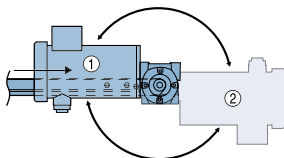


- Includes stainless steel gearmotor bracket and mounting hardware

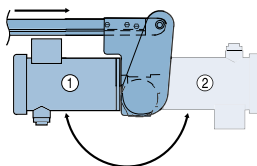
W = Conveyor Belt Width

90° Gearmotor Location Options

Side Mount



Bottom Mount



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

Dimensions = in (mm)

For ordering information, see page 334

Parallel Shaft Gearmotor

Fixed Speed							
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart
Ft/min	M/min		Bottom	Side	Drive Pulley	Driven Pulley	
20	6.1	21	x		30	30	1
23	7.0	21	x		36	30	1
29	8.8	31	x		30	30	1
35	10.7	31	x		36	30	1
47	14.3	50	x		30	30	1
56	17.1	50	x		36	30	1
78	23.8	84	x		30	30	1
94	28.7	84	x		36	30	1
114	34.7	122	x		30	30	1
136	41.5	122	x		36	30	1
158	48.2	170	x		30	30	1
177	53.9	190	x		36	30	1
190	57.9	170	x		30	30	1
213	64.9	190	x		36	30	1
241	73.5	258	x		30	30	1
289	88.1	258	x		36	30	1
CE Gearmotor RPM at 50 Hz.							
16	4.9	17	x		30	30	2
19	5.8	17	x		36	30	2
34	10.4	36	x		30	30	2
40	12.2	36	x		36	30	2
45	13.7	48	x		30	30	2
54	16.5	48	x		36	30	2
69	21.0	74	x		30	30	2
83	25.3	74	x		36	30	2
82	25.0	88	x		30	30	2
98	29.9	88	x		36	30	2
118	36.0	127	x		30	30	2
142	43.3	127	x		36	30	2
147	44.8	158	x		30	30	2
177	53.9	158	x		36	30	2
181	55.2	194	x		30	30	2
217	66.1	194	x		36	30	2

Variable Speed							
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart
Ft/min	M/min		Bottom	Side	Drive Pulley	Driven Pulley	
4 - 20	1.2 - 6.1	21	x		30	30	6
5 - 23	1.4 - 7.0	21	x		36	30	6
6 - 29	1.8 - 8.8	31	x		30	30	6
7 - 35	2.1 - 10.7	31	x		36	30	6
9 - 47	2.9 - 14.3	50	x		30	30	6
11 - 56	3.4 - 17.1	50	x		36	30	6
16 - 78	4.8 - 23.8	84	x		30	30	6
19 - 94	5.7 - 28.7	84	x		36	30	6
23 - 114	6.9 - 34.7	122	x		30	30	6
27 - 136	8.3 - 41.5	122	x		36	30	6
32 - 158	9.6 - 48.2	170	x		30	30	6
35 - 177	10.8 - 53.9	190	x		36	30	6
38 - 190	11.6 - 57.9	170	x		30	30	6
43 - 213	13.0 - 64.9	190	x		36	30	6
48 - 241	14.7 - 73.5	258	x		30	30	6
58 - 289	17.6 - 88.1	258	x		36	30	6
CE RPM from 50 Hz. gearmotors. VFD drive at 63 max. Hz. output.							
4 - 27	2.6 - 5.2	17	x		30	30	7
5 - 33	3.1 - 6.2	17	x		36	30	7
9 - 58	5.5 - 11.0	36	x		30	30	7
10 - 69	6.6 - 13.2	36	x		36	30	7
12 - 77	7.3 - 14.6	48	x		30	30	7
14 - 92	8.8 - 17.6	48	x		36	30	7
18 - 118	11.3 - 22.6	74	x		30	30	7
21 - 142	13.5 - 27.1	74	x		36	30	7
21 - 141	13.4 - 26.8	88	x		30	30	7
25 - 169	16.1 - 32.2	88	x		36	30	7
30 - 203	19.4 - 38.7	127	x		30	30	7
37 - 244	23.2 - 46.5	127	x		36	30	7
38 - 253	24.1 - 48.2	158	x		30	30	7

Washdown 90° Gearmotor

Fixed Speed							
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart
Ft/min	m/min		Bottom	Side	Drive Pulley	Driven Pulley	
21	6.4	22	x	x	30	30	3, 4
25	7.6	22	x		36	30	3, 4
27	8.2	29	x	x	30	30	3, 4
32	9.8	29	x		36	30	3, 4
41	12.5	44	x	x	30	30	3, 4
49	14.9	44	x		36	30	3, 4
54	16.5	58	x	x	30	30	3, 4
65	19.8	58	x		36	30	3, 4
81	24.7	87	x	x	30	30	3, 4
97	29.6	87	x		36	30	3, 4
109	33.2	117	x	x	30	30	3, 4
131	39.9	117	x		36	30	3, 4
163	49.7	175	x	x	30	30	3, 4
196	59.7	175	x		36	30	3, 4
217	66.1	233	x	x	30	30	3, 4
261	79.6	233	x		36	30	3, 4

CE Gearmotor RPM at 50 Hz.							
Ft/min	m/min	RPM From Gearmotor	Bottom	Side	Drive Pulley	Driven Pulley	Gearmotor Chart
21	6.4	23		x			5
43	13.1	46		x			5
51	15.5	55		x			5
87	26.5	93		x			5
131	39.9	140		x			5
173	52.7	186		x			5

Variable Speed							
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart
Ft/min	m/min		Bottom	Side	Drive Pulley	Driven Pulley	
2-21	0.6-6.4	22	x	x	30	30	8, 9
3-25	0.8-7.6	22	x		36	30	8, 9
3-27	0.8-8.2	29	x	x	30	30	8, 9
3-32	1.0-9.8	29	x		36	30	8, 9
4-41	1.3-12.5	44	x	x	30	30	8, 9
5-49	1.5-14.9	44	x		36	30	8, 9
5-54	1.7-16.5	58	x	x	30	30	8, 9
7-65	2.0-19.8	58	x		36	30	8, 9
8-81	2.5-24.7	87	x	x	30	30	8, 9
10-97	3.0-29.6	87	x		36	30	8, 9
11-109	3.3-33.2	117	x	x	30	30	8, 9
13-131	4.0-39.9	117	x		36	30	8, 9
16-163	5.0-49.7	175	x	x	30	30	8, 9
20-196	6.0-59.7	175	x		36	30	8, 9
22-217	6.6-66.1	233	x	x	30	30	8, 9
26-261	8.0-79.6	233	x		36	30	8, 9

CE RPM from 50 Hz. gearmotors. VFD drive at 80 max. Hz. output.							
Ft/min	m/min	RPM From Gearmotor	Bottom	Side	Drive Pulley	Driven Pulley	Gearmotor Chart
4-34	1.3-10.0	23		x			10
9-69	2.6-21.0	46		x			10
10-82	3.1-25.0	55		x			10
17-139	5.3-42.0	93		x			10
26-210	8.0-64.0	140		x			10
35-277	10.5-84.0	186		x			10

Industrial 90° Gearmotor

Fixed Speed							
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart
Ft/min	m/min		Bottom	Side	Drive Pulley	Driven Pulley	
27	8.2	29	x		30	30	*
32	9.8	29	x		36	30	*
40	12.2	43	x		30	30	*
48	14.6	43	x		36	30	*
80	24.4	86	x		30	30	*
96	29.3	86	x		36	30	*
161	49.1	173	x		30	30	*
194	59.1	173	x		36	30	*

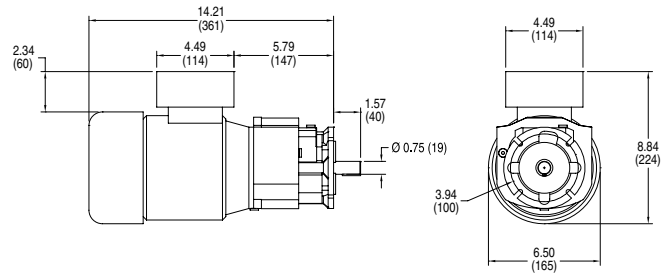
Variable Speed							
Belt Speed		RPM From Gearmotor	Mount Package		Pulley Kit		Gearmotor Chart
Ft/min	m/min		Bottom	Side	Drive Pulley	Driven Pulley	
3-27	0.8-8.2	29	x		30	30	*
3-32	1.0-9.8	29	x		36	30	*
4-40	1.2-12.2	43	x		30	30	*
5-48	1.5-14.6	43	x		36	30	*
8-80	2.4-24.4	86	x		30	30	*
10-96	2.9-29.3	86	x		36	30	*
16-161	4.9-49.1	173	x		30	30	*
19-194	5.9-59.1	173	x		36	30	*

* Note: For Industrial Gearmotors see 3200 Gearmotors section on pages 105-106, Charts 6, 9 and 10.

STANDARD LOAD, FIXED SPEED

Chart 1 Parallel Shaft, Painted Gearmotor

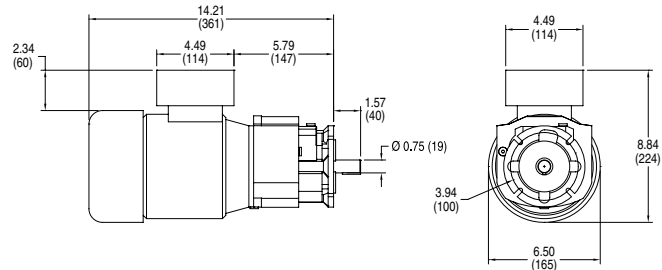
- IEC Framed Motor
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- FDA Approved Food Grade Paint
- Total Enclosed Fan Cooled
- 230/460 Volts, 3 Phase, 60 Hz
- Order Motor Starter Separately, see page 323



Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
73M081PS423FN	21	2	0.16	0.12	230 / 460	0.88 / 0.44	483	55
73M054PS423FN	32	2	0.25	0.19	230 / 460	1.12 / 0.56	507	57
73M034PS423FN	50	2	0.50	0.37	230 / 460	1.90 / 0.95	633	72
73M020PS423FN	84	2	0.75	0.56	230 / 460	2.70 / 1.35	563	64
73M013PS423FN	122	2	1.00	0.75	230 / 460	3.66 / 1.83	517	58
73M010PS423FN	170	2	1.00	0.75	230 / 460	3.66 / 1.83	374	42
73M008PS423FN	190	2	1.00	0.75	230 / 460	3.66 / 1.83	333	38
73M006PS423FN	258	2	1.00	0.75	230 / 460	3.66 / 1.83	246	28

Chart 2 CE Parallel Shaft Gearmotor

- IEC Framed Motor
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- Un-Painted Aluminum Gearmotor
- Total Enclosed Fan Cooled
- 230/400 Volts, 3 Phase, 50 Hz
- Order Motor Starter Separately, see page 323



Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
73U081PS423FN	17	2	0.16	0.12	230 / 400	0.96 / 0.55	389	44
73U039PS423FN	36	2	0.5	0.37	230 / 400	1.9 / 1.09	549	62
73U029PS423FN	48	2	0.75	0.56	230 / 400	2.64 / 1.52	620	70
73U019PS423FN	74	2	1.0	0.75	230 / 400	3.65 / 2.1	531	60
73U016PS423FN	88	2	1.0	0.75	230 / 400	3.65 / 2.1	451	51
73U011PS423FN	127	2	1.5	1.12	230 / 400	4.89 / 2.81	469	53
73U009PS423FN	158	2	1.5	1.12	230 / 400	4.89 / 2.81	372	42
73U007PS423FN	194	2	1.0	0.75	230 / 400	3.65 / 2.1	327	37

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

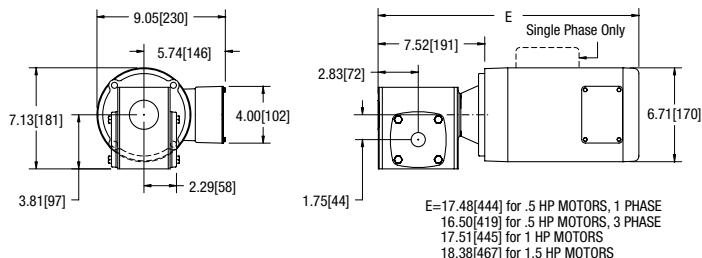
FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

STANDARD LOAD, FIXED SPEED

Chart 3 Painted Gearmotor

- Nema 56C
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- FDA Approved Stainless Painted Gear Box
- FDA Approved White Epoxy Painted Motor
- UL and CSA Approved
- Totally Enclosed Non-Ventilated
- Order optional Manual Motor Starter separately, see page 323
- 1.0 & 1.5 HP 208-230 / 460 Volts, 3 Phase

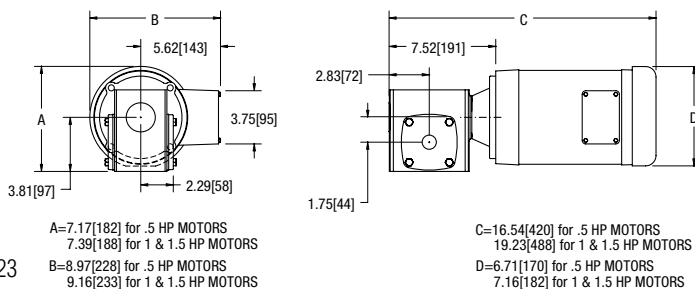


Part Number	RPM	Gearmotor Type	1 Phase			3 Phase			in.-lbs.	Nm
			Hp	kW	FLA	Hp	kW	FLA		
74M080HS4(vp)FN	22	1	0.5	0.37	6.8 / 3.7-3.4	0.5	0.37	1.6 / 0.8	356	40.2
74M060HS4(vp)FN	29	1	0.5	0.37	6.8 / 3.7-3.4	0.5	0.37	1.6 / 0.8	442	49.9
74M040HS4(vp)FN	44	1	0.5	0.37	6.8 / 3.7-3.4	0.5	0.37	1.6 / 0.8	486	54.9
74M030HS4(vp)FN	58	1	n/a	n/a	n/a	1	0.74	3.5-3.2 / 1.6	487	55.0
74M020HS4(vp)FN	87	1	n/a	n/a	n/a	1	0.74	3.5-3.2 / 1.6	407	46.0
74M015HS4(vp)FN	117	1	n/a	n/a	n/a	1	0.74	3.5-3.2 / 1.6	470	53.1
74M010HS4(vp)FN	175	1	n/a	n/a	n/a	1.5	1.11	4.6-4.2 / 2.1	442	49.9
74M007HS4(vp)FN	233	1	n/a	n/a	n/a	1.5	1.11	4.6-4.2 / 2.1	360	40.7

(vp) = voltage and Phase 11 = 115 / 208-230, 1 Phase 23 = 0.5 HP: 230 / 460 Volts, 3 Phase; 1.0 & 1.5 HP: 208-230 / 460 Volts, 3 Phase

Chart 4 Stainless Steel Gearmotor

- Nema 56C
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- Stainless Steel Gear Box
- Stainless Steel Motor
- UL and CSA Approved
- 1/2 HP is Totally Enclosed Non-Ventilated
- 1 and 1 1/2 HP are Totally Enclosed Fan Cooled
- 208-230 / 460 V, 3 Phase
- Order optional Manual Motor Starter separately, see page 323
- 0.5 Hp 230 / 460 V, 3 Phase
- 1.0 & 1.5 HP 208-230 / 460 V, 3 Phase



Part Number	RPM	Gearmotor Type	3 Phase				in.-lbs	Nm
			Hp	kW	Volts	FLA		
74M080HHS423FN	22	1	0.5	0.37	230 / 460	1.6 / 0.8	356	40.2
74M060HHS423FN	29	1	0.5	0.37	230 / 460	1.6 / 0.8	442	49.9
74M040HHS423FN	44	1	0.5	0.37	230 / 460	1.6 / 0.8	486	54.9
74M030HHS423FN	58	1	1.0	0.74	208-230 / 460	3.2-3.0 / 1.5	487	55.0
74M020HHS423FN	87	1	1.0	0.74	208-230 / 460	3.2-3.0 / 1.5	407	46.0
74M015HHS423FN	117	1	1.0	0.74	208-230 / 460	3.2-3.0 / 1.5	470	53.1
74M010HHS423FN	175	1	1.5	1.11	208-230 / 460	5.8-5.4 / 2.7	442	49.9
74M007HHS423FN	233	1	1.5	1.11	208-230 / 460	5.8-5.4 / 2.7	360	40.7

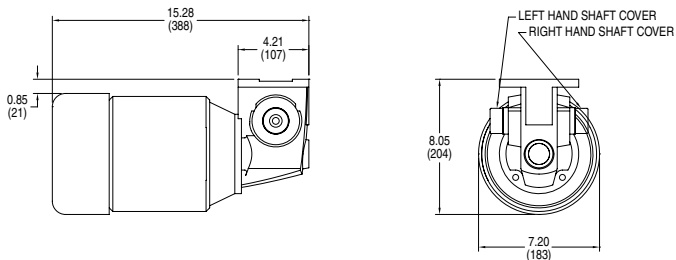
FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

STANDARD LOAD, FIXED SPEED

Chart 5 CE 90° Gearmotor

- IEC Framed Motor
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- Un-Painted Aluminum Gearmotor
- Total Enclosed Fan Cooled
- 230/400 Volts, 3 Phase, 50 Hz
- Order Motor Starter Separately, see page 323



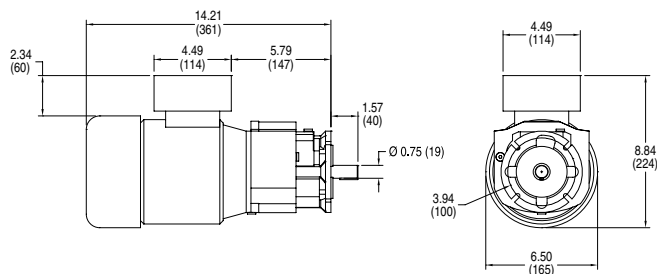
Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
73U060HS423FN	23	1	0.5	0.37	230 / 400	1.91 / 1.1	716	81
73U030HS423FN	46	1	1.0	0.75	230 / 400	3.65 / 2.1	902	102
73U025HS423FN	55	1	1.0	0.75	230 / 400	3.65 / 2.1	831	94
73U015HS423FN	93	1	1.5	1.12	230 / 400	4.89 / 2.81	787	89
73U010HS423FN	140	1	1.5	1.12	230 / 400	4.89 / 2.81	566	64
73U007HS423FN	186	1	2.0	1.49	230 / 400	6.17 / 3.55	593	67
73U005HS423FN	279	1	2.0	1.49	230 / 400	6.17 / 3.55	407	46

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

STANDARD LOAD, VARIABLE SPEED

Chart 6 Parallel Shaft, Painted Gearmotor

- Variable Frequency Drive, 12 to 60 Hz
- IEC Framed Motor
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- FDA Approved Food Grade Paint
- Total Enclosed Fan Cooled
- 230/460 Volts, 3 Phase, 60 Hz nominal
- Order Controller Separately, see page 323



Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
74M081PS423EN	4.2 to 21	2	0.16	0.12	230 / 460	0.88 / 0.44	483	55
74M054PS423EN	6.2 to 31	2	0.25	0.19	230 / 460	1.12 / 0.56	507	57
74M034PS423EN	10 to 50	2	0.50	0.37	230 / 460	1.90 / 0.95	633	72
74M020PS423EN	16.8 to 84	2	0.75	0.56	230 / 460	2.70 / 1.35	563	64
74M013PS423EN	24.4 to 122	2	1.00	0.75	230 / 460	3.66 / 1.83	517	58
74M010PS423EN	34 to 170	2	1.00	0.75	230 / 460	3.66 / 1.83	374	42
74M008PS423EN	38 to 190	2	1.00	0.75	230 / 460	3.66 / 1.83	333	38
74M006PS423EN	51.6 to 258	2	1.00	0.75	230 / 460	3.66 / 1.83	246	28

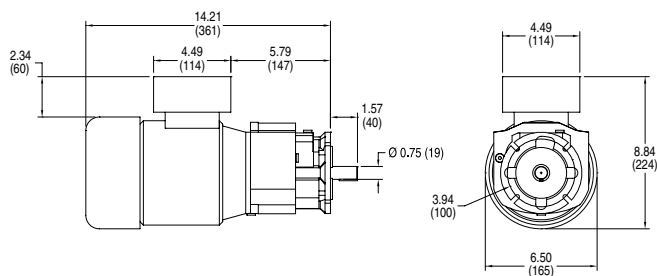
FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

STANDARD LOAD, VARIABLE SPEED

Chart 7 **CE** Parallel Shaft Gearmotor

- Variable Frequency Drive
- IEC Framed Motor
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- Unpainted Aluminum Gearmotor
- Total Enclosed Fan Cooled
- 230/400 Volts 3 Phase, 50 Hz nominal
- Order Controller Separately, see page 323

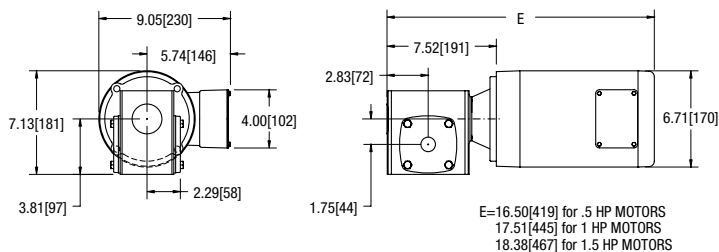


Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
73U081PS423EN	4.1 to 27	2	0.16	0.12	230 / 400	0.96 / 0.55	389	44
73U039PS423EN	8.6 to 58	2	0.5	0.37	230 / 400	1.9 / 1.09	549	62
73U029PS423EN	11.5 to 77	2	0.75	0.56	230 / 400	2.64 / 1.52	620	70
73U019PS423EN	17.8 to 118	2	1.0	0.75	230 / 400	3.65 / 2.1	531	60
73U016PS423EN	21.1 to 141	2	1.0	0.75	230 / 400	3.65 / 2.1	451	51
73U011PS423EN	30.5 to 203	2	1.5	1.12	230 / 400	4.89 / 2.81	469	53
73U009PS423EN	37.9 to 253	2	1.5	1.12	230 / 400	4.89 / 2.81	372	42

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

Chart 8 90° Painted Gearmotor

- Variable Frequency Drive, 6 to 60 Hz
- 3 Phase
- Nema 56C
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- FDA Approved Stainless Painted Gearbox
- FDA Approved White Epoxy Painted Motor
- UL and CSA Approved
- Totally Enclosed Non-Ventilated
- Order Controller Separately, see page 323



Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
74M080HS423EN	22	1	0.5	0.37	230 / 460	1.6 / 0.8	356	40.2
74M060HS423EN	29	1	0.5	0.37	230 / 460	1.6 / 0.8	442	49.9
74M040HS423EN	44	1	0.5	0.37	230 / 460	1.6 / 0.8	486	54.9
74M030HS423EN	58	1	1.0	0.74	208-230 / 460	3.5-3.2 / 1.6	487	55.0
74M020HS423EN	87	1	1.0	0.74	208-230 / 460	3.5-3.2 / 1.6	487	55.0
74M015HS423EN	117	1	1.0	0.74	208-230 / 460	3.5-3.2 / 1.6	470	53.1
74M010HS423EN	175	1	1.5	1.11	208-230 / 460	4.6-4.2 / 2.1	442	49.9
74M007HS423EN	233	1	1.5	1.11	208-230 / 460	4.6-4.2 / 2.1	360	40.7

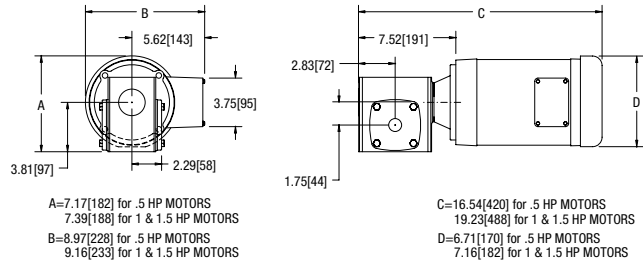
FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

STANDARD LOAD, VARIABLE SPEED

Chart 9 90° Stainless Steel Gearmotor

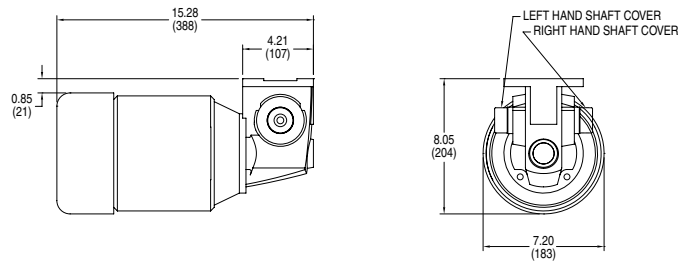
- Variable Frequency Drive, 6 to 60 Hz
- 3 Phase
- Nema 56C
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- Stainless Steel Gear Box and Motor
- UL and CSA Approved
- 1/2 HP is Totally Enclosed Non-Ventilated
- 1 and 1 1/2 HP are Totally Enclosed Fan Cooled
- Order Controller Separately, see page 323



Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
74M080HZA423EN	22	1	0.5	0.37	230 / 460	1.6 / 0.8	356	40.2
74M060HZA423EN	29	1	0.5	0.37	230 / 460	1.6 / 0.8	442	49.9
74M040HZA423EN	44	1	0.5	0.37	230 / 460	1.6 / 0.8	486	54.9
74M030HZA423EN	58	1	1.0	0.74	208-230 / 460	3.2-3.0 / 1.5	487	55.0
74M020HZA423EN	87	1	1.0	0.74	208-230 / 460	3.2-3.0 / 1.5	487	55.0
74M015HZA423EN	117	1	1.0	0.74	208-230 / 460	3.2-3.0 / 1.5	470	53.1
74M010HZA423EN	175	1	1.5	1.11	208-230 / 460	5.3-5.4 / 2.7	442	49.9
74M007HZA423EN	233	1	1.5	1.11	208-230 / 460	5.3-5.4 / 2.7	360	40.7

Chart 10 CE 90° Gearmotor

- Variable Frequency Drive, 12 to 80 Hz
- IEC Framed Motor
- IP 55 Protection Rating
- Sealed Reducer with FDA H1 Lubricant
- Un-Painted Aluminum Gearmotor
- Total Enclosed Fan Cooled
- 230/400 Volts, 3 Phase, 50 Hz nominal
- Order Controller Separately, see page 323



Part Number	RPM	Gearmotor Type	3 Phase				in-lbs	Nm
			Hp	kW	Volts	FLA		
73U060HS423EN	5.5 to 37	1	0.5	0.37	230 / 400	1.91 / 1.1	716	81
73U030HS423EN	11 to 74	1	1.0	0.75	230 / 400	3.65 / 2.1	902	102
73U025HS423EN	13.2 to 88	1	1.0	0.75	230 / 400	3.65 / 2.1	831	94
73U015HS423EN	22.3 to 149	1	1.5	1.12	230 / 400	4.89 / 2.81	787	89
73U010HS423EN	33.6 to 224	1	1.5	1.12	230 / 400	4.89 / 2.81	566	64
73U007HS423EN	44.6 to 298	1	2.0	1.49	230 / 400	6.17 / 3.55	593	67

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

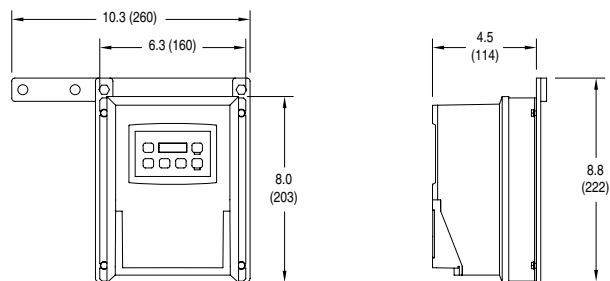
FLA = Full Load Amperes

Some motors and gear reducers may normally operate hot to the touch. Consult factory for specific operating temperatures. Note: Dimensions = in (mm)

VARIABLE SPEED CONTROLLER

Chart A Variable Speed Controllers

- Variable Frequency Drive
- IP 65 Plastic Enclosure
- Stainless steel mounting hardware
- Digital Display
- Keypad with Start/Stop and Speed variation
- Includes cord to motor
- Power to controller by others
- UL Approved

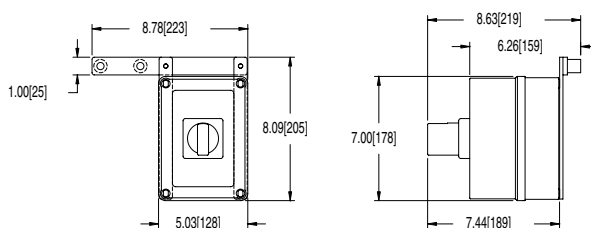


Part Number	Input			Output		Max Hp	Max Amps	A (width)	B (depth)
	Volts	Phase	Hz	Volts	Phase				
74MV1122S	115	1	60	230	3	0.5	2.2	7.9 (200)	3.8 (96)
74MV2322S	230	3	60	230	3	0.5	2.2	6.1 (155)	4.4 (112)
74MV1121S	115	1	60	230	3	1.0	4.0	7.9 (200)	4.9 (124)
74MV2121S	230	1	60	230	3	1.0	4.0	7.9 (200)	4.9 (124)
74MV4341S	460	3	60	460	3	1.0	2.0	6.1 (155)	4.4 (112)
74MV2127S	230	1	60	230	3	2.0	6.8	7.9 (200)	4.9 (124)
74MV2327S	230	3	60	230	3	2.0	6.8	7.9 (200)	4.9 (124)
74MV4347S	460	3	60	460	3	2.0	3.4	7.9 (200)	4.9 (124)

MANUAL MOTOR STARTER

Chart B Manual Motor Starter

- Nema 4X Plastic Enclosure
- Stainless Steel mounting hardware
- IP 66
- Start / Stop Switch
- Lock out tag out capable
- Includes wiring to Motor
- Power to Starter by others
- No plug/cord set included



Part Number	Input			FLA
	Volts	Phase	Hz	
74MM11F	115	1	60	6.3 - 10
74MM21D	208-230	1	60	2.5 - 3.9
74MM23A	208-230	3	60	0.63 - 0.99
74MM23B	208-230	3	60	1.0 - 1.59
74MM23C	208-230	3	60	1.6 - 2.4
74MM23D	208-230	3	60	2.5 - 3.9
74MM23E	208-230	3	60	4.0 - 6.3
74MM43A	460	3	60	1.6 - 2.4
74MM43B	460	3	60	2.5 - 3.9
74MM43C	460	3	60	0.63 - 0.99
74MM43D	460	3	60	1.0 - 1.59

FLA = Full Load Amperes

Fixed Foot Support Stands

- For 4" to 36" Widths:
 - All components are stainless steel with a 2B finish
 - Vertical leg is formed sheet metal
- For 38" to 52" widths:
 - All components are stainless steel with #4 finish
 - Vertical leg is 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

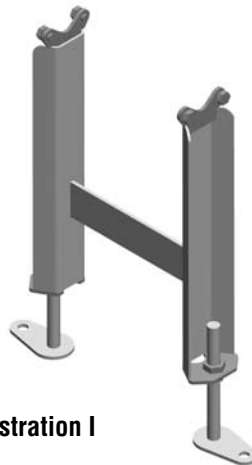


Illustration I



Illustration II

Fixed Foot Model									
		See Illustration I					See Illustration II		
Conveyor Width		4" (102)	6" (152)	8" (203)	2" (51) increments up to...	36" (914)	38" (965)	2" (51) increments up to...	52" (1,321)
WW Part # Reference		04	06	08	02 increments up to...	36	38	02 increments up to...	52
HM Horizontal Mount	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)	39.5" (1,003)	2" (51) increments up to...	53.5" (1,359)
	Width at Feet*	12" (305)	14" (356)	16" (406)	02 increments up to...	44" (1,118)	48" (1,219)	02 increments up to...	62" (1,575)
	Minimum Top of Belt Height	16" (406)	17" (432)	18" (457)	1" (25) increments up to...	72" (1,829)	19" (483)	1" (25) increments up to...	70" (1,778)
	Maximum Top of Belt Height	20" (508)	21" (533)	22" (559)	1" (25) increments up to...	76" (1,930)	23" (584)	1" (25) increments up to...	74" (1,880)
	HHHH Height Reference	1620	1721	1822	01 increments up to...	7276	1923	01 increments up to...	7074
AM Adjustable Angle Mount	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)	41.5" (1,054)	2" (51) increments up to...	55.5" (1,410)
	Width at Feet*	12" (305)	14" (356)	16" (406)	02 increments up to...	44" (1,118)	49" (1,245)	02 increments up to...	63" (1,600)
	Minimum Top of Belt Height	20" (508)	21" (533)	22" (559)	1" (25) increments up to...	72" (1,829)	19" (483)	1" (25) increments up to...	70" (1,778)
	Maximum Top of Belt Height	24" (610)	25" (635)	26" (660)	1" (25) increments up to...	76" (1,930)	23" (584)	1" (25) increments up to...	74" (1,880)
	HHHH Height Reference	2024	2125	2226	01 increments up to...	7276	1923	01 increments up to...	7074
HR Horizontal Mount w/Outriggers	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)	47.5" (1,207)	2" (51) increments up to...	61.5" (1,562)
	Width at Feet*	22" (559)	24" (610)	26" (660)	02 increments up to...	54" (1,372)	61" (1,549)	02 increments up to...	75" (1,905)
	Minimum Top of Belt Height	16" (406)	17" (432)	18" (457)	1" (25) increments up to...	72" (1,829)	19" (483)	1" (25) increments up to...	70" (1,778)
	Maximum Top of Belt Height	20" (508)	21" (533)	22" (559)	1" (25) increments up to...	76" (1,930)	23" (584)	1" (25) increments up to...	74" (1,880)
	HHHH Height Reference	1620	1721	1822	01 increments up to...	7276	1923	01 increments up to...	7074
AR Adj. Angle Mount w/Outriggers	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)	49.5" (1,257)	2" (51) increments up to...	63.5" (1,613)
	Width at Feet*	22" (559)	24" (610)	26" (660)	02 increments up to...	54" (1,372)	61" (1,549)	02 increments up to...	75" (1,905)
	Minimum Top of Belt Height	20" (508)	21" (533)	22" (559)	1" (25) increments up to...	72" (1,829)	19" (483)	1" (25) increments up to...	70" (1,778)
	Maximum Top of Belt Height	24" (610)	25" (635)	26" (660)	1" (25) increments up to...	76" (1,930)	23" (584)	1" (25) increments up to...	74" (1,880)
	HHHH Height Reference	2024	2125	2226	01 increments up to...	7276	1923	01 increments up to...	7074

*Note: Width dimension is nominal dimension for space claim purposes only. For detail dimension, contact factory.

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

Swivel Locking Caster Support Stands

- For 4" to 36" Widths:
 - All components are stainless steel with a 2B finish
 - Vertical leg is formed sheet metal
- For 38" to 52" widths:
 - All components are stainless steel with #4 finish
 - Vertical leg is a closed 2" square tube
- Has +/- 2" of adjustment
- Caster is swivel locking
- Horizontal Mount Version for Direct Level Conveyor Mounting
- Incline Mount Version for angled conveyor applications

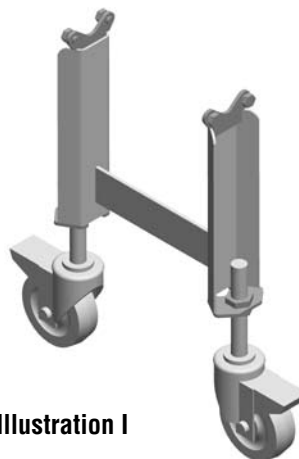


Illustration I



Illustration II

Swivel Locking Caster Model									
		See Illustration I				See Illustration II			
Conveyor Width		4" (102)	6" (152)	8" (203)	2" (51) increments up to...	36" (914)	38" (965)	2" (51) increments up to...	52" (1,321)
WW Part # Reference		04	06	08	02 increments up to...	36	38	02 increments up to...	52
HM Horizontal Mount	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)	39.5" (1,003)	2" (51) increments up to...	53.5" (1,359)
	Width at Feet*	12" (305)	18" (457)	20" (508)	02 increments up to...	48" (1,219)	48" (1,219)	02 increments up to...	62" (1,575)
	Minimum Top of Belt Height	21" (533)	22" (559)	23" (584)	1" (25) increments up to...	72" (1,829)	24" (610)	1" (25) increments up to...	70" (1,778)
	Maximum Top of Belt Height	25" (635)	26" (660)	27" (686)	1" (25) increments up to...	76" (1,930)	28" (711)	1" (25) increments up to...	74" (1,880)
	HHHH Height Reference	2125	2226	2327	01 increments up to...	7276	2428	01 increments up to...	7074
AM Adjustable Angle Mount	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)	41.5" (1,054)	2" (51) increments up to...	55.5" (1,410)
	Width at Feet*	12" (305)	14" (356)	16" (406)	02 increments up to...	48" (1,219)	49" (1,245)	02 increments up to...	63" (1,600)
	Minimum Top of Belt Height	25" (635)	26" (660)	27" (686)	1" (25) increments up to...	72" (1,829)	24" (610)	1" (25) increments up to...	70" (1,778)
	Maximum Top of Belt Height	29" (737)	30" (762)	31" (787)	1" (25) increments up to...	76" (1,930)	28" (711)	1" (25) increments up to...	74" (1,880)
	HHHH Height Reference	2529	2630	2731	01 increments up to...	7276	2428	01 increments up to...	7074
HR Horizontal Mount w/Outriggers	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)	47.5" (1,207)	2" (51) increments up to...	61.5" (1,562)
	Width at Feet*	26" (660)	27" (686)	28" (711)	02 increments up to...	58" (1,473)	61" (1,549)	02 increments up to...	75" (1,905)
	Minimum Top of Belt Height	21" (533)	22" (559)	23" (584)	1" (25) increments up to...	72" (1,829)	24" (610)	1" (25) increments up to...	70" (1,778)
	Maximum Top of Belt Height	25" (635)	26" (660)	27" (686)	1" (25) increments up to...	76" (1,930)	28" (711)	1" (25) increments up to...	74" (1,880)
	HHHH Height Reference	2125	2226	2327	01 increments up to...	7276	2428	01 increments up to...	7074
AR Adj. Angle Mount w/Outriggers	Stand Width*	7" (178)	9" (229)	11" (279)	2" (51) increments up to...	39" (991)	49.5" (1,257)	2" (51) increments up to...	63.5" (1,613)
	Width at Feet*	26" (660)	27" (686)	28" (711)	02 increments up to...	58" (1,473)	61" (1,549)	02 increments up to...	75" (1,905)
	Minimum Top of Belt Height	25" (635)	26" (660)	27" (686)	1" (25) increments up to...	72" (1,829)	24" (610)	1" (25) increments up to...	70" (1,778)
	Maximum Top of Belt Height	29" (737)	30" (762)	31" (787)	1" (25) increments up to...	76" (1,930)	28" (711)	1" (25) increments up to...	74" (1,880)
	HHHH Height Reference	2529	2630	2731	01 increments up to...	7276	2428	01 increments up to...	7074

*Note: Width dimension is nominal dimension for space claim purposes only. For detail dimension, contact factory.

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

TALL SUPPORT STANDS

Fixed Foot Model

Conveyor Width	4" (102)	6" (152)	8" (203)	in 2" (51mm) increments up to...	60" (1,524)
WW Part # Reference	04	06	08	in 02 increments up to...	60
Stand Width at Foot *	(0.263)(HH max) + (WW + 6) inches				
Top of Belt (Minimum)	71" (1,803)	72" (1,829)	73" (1,854)	in 1" (25mm) increments up to...	95" (2,413)
Top of Belt (Maximum)	75" (1,905)	76" (1,930)	77" (1,956)	in 1" (25mm) increments up to...	99" (2,515)
HHHH Part Number	7175	7276	7377	in 01 increments up to...	9599



Horizontal Mount



Adjustable Mount

- All components are stainless steel brushed to #4 finish
- 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
- Includes Diagonal Brace for stability
- Tall Support Stands require the use of floor anchors

* Width dimension is nominal dimension for space claim purposes only. For detail dimension, contact factory.



Horizontal Mount Tall Stand

LOW HEIGHT SUPPORT STANDS

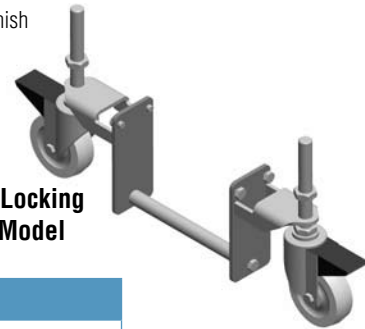
Fixed Foot Model

Top of Belt (Minimum)	7" (178)	9" (229)
Top of Belt (Maximum)	11" (279)	13" (330)
HHHH Part # Reference	0711	0913
Stand Width at Foot *	WW + 10.5" (267mm)	

- All components are stainless steel brushed to #4 finish
- Has +/- 2" of adjustment
- Fixed Foot self aligns 10° for sloped floors
- Caster is swivel locking
- Horizontal conveyor mounts only

* Width dimension is nominal dimension for space claim purposes only. For detail dimension, contact factory.

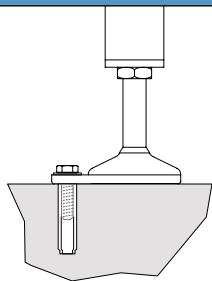
Swivel Locking Caster Model



Swivel Locking Caster Model

Conveyor Width	4" (102)	6" (152)	8" (203)	in 2" (51mm) increments up to...	60" (1,524)
WW Part # Reference	04	06	08	in 02 increments up to...	60
Stand Width at Caster *	22" (559)	24" (610)	26" (660)	in 2" (51mm) increments up to...	78" (1,981)
Top of Belt (Minimum)	12" (305)		14" (356)		16" (406)
Top of Belt (Maximum)	16" (406)		18" (457)		20" (508)
HHHH Part Number	1216		1418		1620

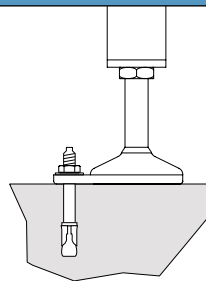
SANITARY FLOOR ANCHOR KITS



Type 1 Sanitary Floor Anchor Kit

- 3/8" (10 mm) x 1.57" (40 mm) drop in
- Stainless Steel
- Anchor is flush with floor upon removal of bolt
- Two (2) per anchor kit

Part No. FAS-1



Type 2 Sanitary Floor Anchor Kit

- 3/8" (10 mm) x 2 3/4" (70 mm)
- Stainless Steel
- Threaded anchor bolt protrudes above floor after installation
- Two (2) per anchor kit

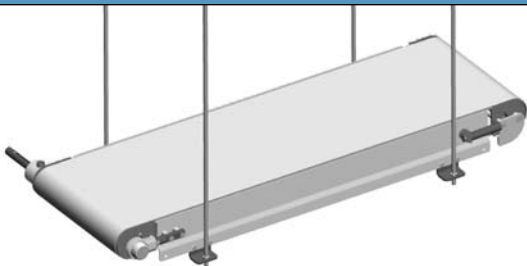
Part No. FAS-2

Note: Dimensions = in (mm)

Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

For ordering information, see page 334

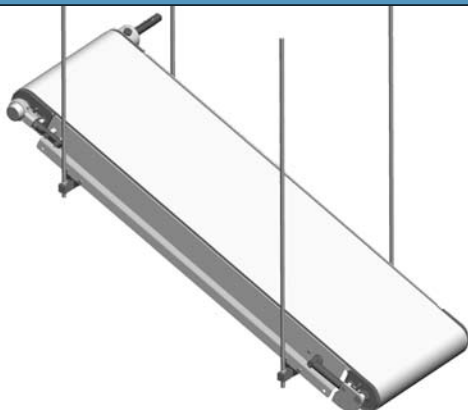
HORIZONTAL CEILING SUPPORTS



- All components are stainless steel brushed to #4 finish
- Includes a pair of mounting brackets and hardware for support on both sides of conveyor
- Compatible with 1/2" threaded support rod provided by others

Part No. 39HCS

ADJUSTABLE ANGLE CEILING SUPPORTS

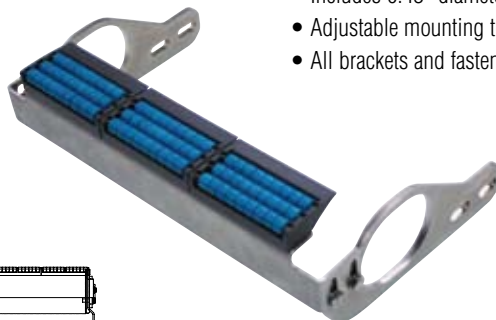
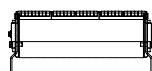
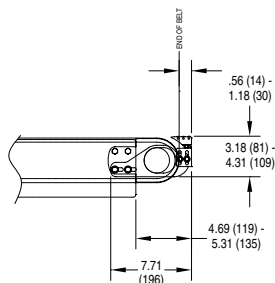
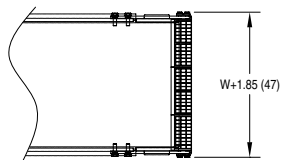


- All components are stainless steel brushed to #4 finish
- Includes a pair of mounting brackets and hardware for support on both sides of conveyor
- Compatible with 1/2" threaded support rod provided by others
- Mounting block pivots to support incline mounts from 0° to 60°

Part No. 39ACS

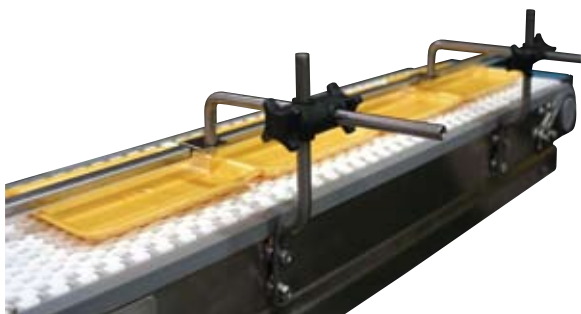
Note: Due to the wide variety of conveyor and stand options along with possible configurations, stability of the final setup is the responsibility of the end user.

ROLLER TRANSFER PLATE



- 4" wide to 52" wide
- Includes 0.43" diameter rollers mounted in transfer plate
- Adjustable mounting to fine tune small parts transfer
- All brackets and fasteners are stainless steel

OVERHEAD GUIDE



- For part hold down or cover closing
- Adjustable height and position across width
- Round nose UHMW guide with stainless steel backing
- Lengths: 3' to 10' in 1" increments
- Horizontal Brackets provided for every 2' of length
- Available in standard adjustable and tool-less adjustable mount styles
- All brackets and fasteners are stainless steel
- Does not include vertical mounting post. To be used with profiles 13 thru 18 or upper guide assembly.

UPPER GUIDE



- Used for guiding lids and/or tall parts
- Round nose UHMW guide with stainless steel backing
- Equipped with or without tall adjustable height bracket
- Length: 3' to 10' in 1' increments
- (2) width adjusting options (standard 5" post, 10" post)
- Brackets provided for every 2' of length
- Available in standard adjustable and tool-less adjustable mount styles
- All brackets and fasteners are stainless steel

ACCESSORY MOUNTING BAR



- Used for mounting adjustable devices such as photoeyes and sensors
- Can be mounted directly to frame or in combination with guide brackets
- 2 Versions:
 - 3' bar used to mount to 24" hole pattern in frames
 - 1' L shape used to mount at tail ends
- Compatible with Value Guide blocks (VG-021-02)
- All brackets and fasteners are stainless steel

Note: Dimensions = in (mm)

For ordering information, see page 335

PHOTO EYE AND REFLECTOR MOUNTING BRACKETS



- Mounts standard 18 mm diameter photoeyes or sensors
- Adjustable height and angle
- (3) Photo Eye types:
 - Thru beam includes (2) mounts
 - Reflector includes (1) Photo eye mount and (1) reflector mount (reflector included)
 - Convergent includes (1) photoeye mount
- (3) Mount versions:
 - To fixed post (does not include mounting post)
 - To fixed post (includes mounting post)
 - To accessory mounting bar (includes Value Guide Block and adjustable post)
- All brackets and fasteners are stainless steel

ELECTRICAL / AIR ROUTING CLIP



- Light weight mounting clip for wire clips, conduit clicks, wire tie mounts, etc.
- Mounts directly to M8 guide bolts and/or lower frame lip
- May be mounted to inside of frame or outside of frame
- Offset to clear mounting screws
- Package of 10 pieces
- All brackets and fasteners are stainless steel

Part Number	Description
735RC-10	Electrical / Air Routing Clip (package of 10 pieces)

M8 ACCESSORY MOUNTING BOLT



- Stainless steel mounting hardware
- M8-1.25 Male mounting stud
- Used with Dorner key-slot system
- Eliminates the need to access the inside of the frame
- Package of 10 pieces

Part Number	Description
735M8-10	M8 Accessory Mounting Bolt (package of 10 pieces)

Note: Dimensions = in (mm)

For ordering information, see page 335

AquaGard® 7360 SERIES: PART NUMBER REFERENCE

7360 SERIES: FLAT BELT CONVEYOR

7 3 6 M W W L L L D I A B C A P P P B B

Belt Material

Profile (D Side):

- 01 = Lowside
- 02 = Integral High Side
- 04 = 3" High Side
- 05 = 1" High Side
- 13 = Fully Adjustable Round
- 14 = Tool-less Fully Adjustable Round
- 15 = Twin Rail Adjustable Round
- 16 = Tool-less Twin Rail Adjustable Round
- 17 = Fully Adjustable 1" Flat
- 18 = Tool-less Fully Adjustable 1" Flat
- 50 = Low Side - Key Slot Holes D Side
- 51 = Low Side - .41 Diameter Holes D Side
- 52 = High Side - .41 Diameter Holes D Side

Profile (A Side):

- 01 = Lowside
- 02 = Integral High Side
- 04 = 3" High Side
- 05 = 1" High Side
- 13 = Fully Adjustable Round
- 14 = Tool-less Fully Adjustable Round
- 15 = Twin Rail Adjustable Round
- 16 = Tool-less Twin Rail Adjustable Round
- 17 = Fully Adjustable 1" Flat
- 18 = Tool-less Fully Adjustable 1" Flat
- 50 = Low Side - Key Slot Holes D Side
- 51 = Low Side - .41 Diameter Holes A Side
- 52 = High Side - .41 Diameter Holes A Side

Scraper / Position / V-guide:

- A = V-guide, no scraper
- B = No V-guide, no scraper
- C = V-guide, scraper in primary position (no bottom drive)
- D = V-guide, scraper in secondary position
- E = No V-guide, scraper in primary position (no bottom drive)
- F = No V-guide, scraper in secondary position

Idler End Stand Location:

- A = no stand mounting holes
- B = 12" from idler end
- C = 18" from idler end
- D = 24" from idler end
- E = 30" from idler end
- F = 36" from idler end
- G = 12" from idler end with braces
- H = 18" from idler end with braces
- J = 24" from idler end with braces
- K = 30" from idler end with braces
- M = 36" from idler end with braces

Drive End Stand Location:

- A = no stand mounting holes
- B = 12" from drive end
- C = 18" from drive end
- D = 24" from drive end
- E = 30" from drive end
- F = 36" from drive end
- G = 12" from drive end with braces
- H = 18" from drive end with braces
- J = 24" from drive end with braces
- K = 30" from drive end with braces
- M = 36" from drive end with braces

Motor Shaft Position: A, B, C or D

Idler End:

- 1 = Standard
- 2 = Nose Bar
- 3 = Std. tail w/ Output Shaft (A position)
- 4 = Std. tail w/ Output Shaft (D position)

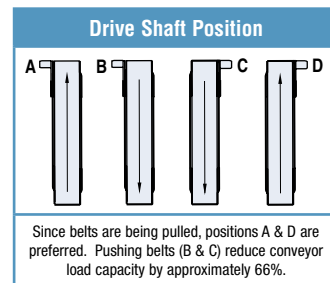
Drive / Pulley Type:

- 1 = Standard Bottom Drive
- 2 = Standard Side Drive
- 3 = Bottom Drive w/ Output Shaft
- 4 = Side Drive Tail w/ Output Shaft
- A = Center Drive, Std Tail, Air
- B = Center Drive, Nose Bar Tail, Air
- C = Center Drive, A side output, Std Tail, Air
- D = Center Drive, D side output, Std Tail, Air
- E = Center Drive, Std Tail, Spring
- F = Center Drive, Nose Bar Tail, Spring
- G = Center Drive, A side output, Std Tail, Spring
- H = Center Drive, D side output, Std Tail, Spring

Length: 036-480

Belt Width: 04-52

Language: M = English



Conveyor sections longer than 11' (3,353 mm) are constructed using a multiple piece frame. It is recommended that each frame joint be supported by a support stand or other means. If support stand location is a concern, please consult factory for support locations.

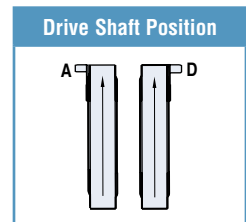
These reference charts are only provided as a reference and is not intended to be used for the construction of complete part numbers for order placing. Dorner has a full network of trained Distributors and sales staff equipped with our configuring / pricing software who are able to provide complete and accurate quotes for all standard products in a matter of minutes.

For more information about any product or accessory, or to locate a local distributor, go to www.dorner.com.

7360 SERIES: CLEATED BELT CONVEYOR

7 3 6 M W W L L L D I A A B A P P B B S S S S

- Belt Material**
- Profile (D Side):**
 - 01 = Lowside
 - 02 = Integral High Side
 - 04 = 3" High Side
 - 05 = 1" High Side
 - 13 = Fully Adjustable Round
 - 14 = Tool-less Fully Adjustable Round
 - 15 = Twin Rail Adjustable Round
 - 16 = Tool-less Twin Rail Adjustable Round
 - 17 = Fully Adjustable 1" Flat
 - 18 = Tool-less Fully Adjustable 1" Flat
 - 50 = Low Side - Key Slot Holes D Side
 - 51 = Low Side - .41 Diameter Holes D Side
 - 52 = High Side - .41 Diameter Holes D Side
- Profile (A Side):**
 - 01 = Lowside
 - 02 = 1" High Side
 - 03 = 3" High Side
 - 50 = Low Side - Key Slot Holes D Side
 - 51 = Low Side - .41 Diameter Holes A Side
- V-guide:** A = V-guide B = No V-guide
- Idler End Stand Location:**
 - A = no stand mounting holes
 - B = 12" from idler end
 - C = 18" from idler end
 - D = 24" from idler end
 - E = 30" from idler end
 - F = 36" from idler end
 - G = 12" from idler end with braces
 - H = 18" from idler end with braces
 - J = 24" from idler end with braces
 - K = 30" from idler end with braces
 - M = 36" from idler end with braces
- Drive End Stand Location:**
 - A = no stand mounting holes
 - B = 12" from drive end
 - C = 18" from drive end
 - D = 24" from drive end
 - E = 30" from drive end
 - F = 36" from drive end
 - G = 12" from drive end with braces
 - H = 18" from drive end with braces
 - J = 24" from drive end with braces
 - K = 30" from drive end with braces
 - M = 36" from drive end with braces
- Motor Shaft Position: A or D**
- Idler End:**
 - 1 = Standard
 - 3 = Std. tail w/ Output Shaft (A position)
 - 4 = Std. tail w/ Output Shaft (D position)
- Drive / Pulley Type:**
 - 1 = Standard Bottom Drive
 - 2 = Standard Side Drive
 - 3 = Bottom Drive w/ Output Shaft
 - 4 = Side Drive Tail w/ Output Shaft
- Length:** 036-480
- Belt Width:** 04-24
- Language:** M = English



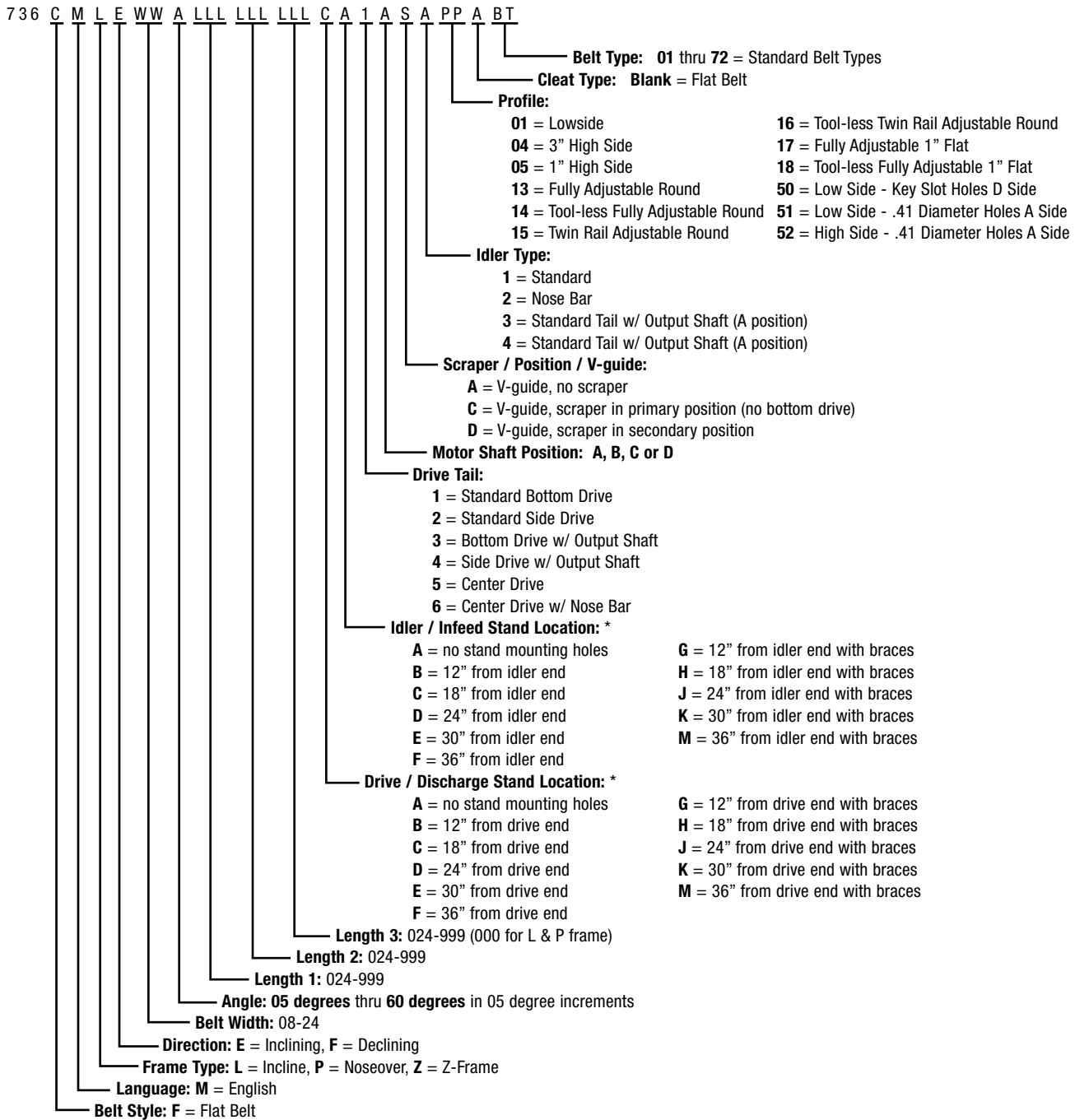
Conveyor sections longer than 11' (3,353 mm) are constructed using a multiple piece frame. It is recommended that each frame joint be supported by a support stand or other means. If support stand location is a concern, please consult factory for support locations.

These reference charts are only provided as a reference and is not intended to be used for the construction of complete part numbers for order placing. Dorner has a full network of trained Distributors and sales staff equipped with our configuring / pricing software who are able to provide complete and accurate quotes for all standard products in a matter of minutes.

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AquaGard® 7360 SERIES: PART NUMBER REFERENCE

7360 SERIES: Z-FRAME FLAT BELT CONVEYORS



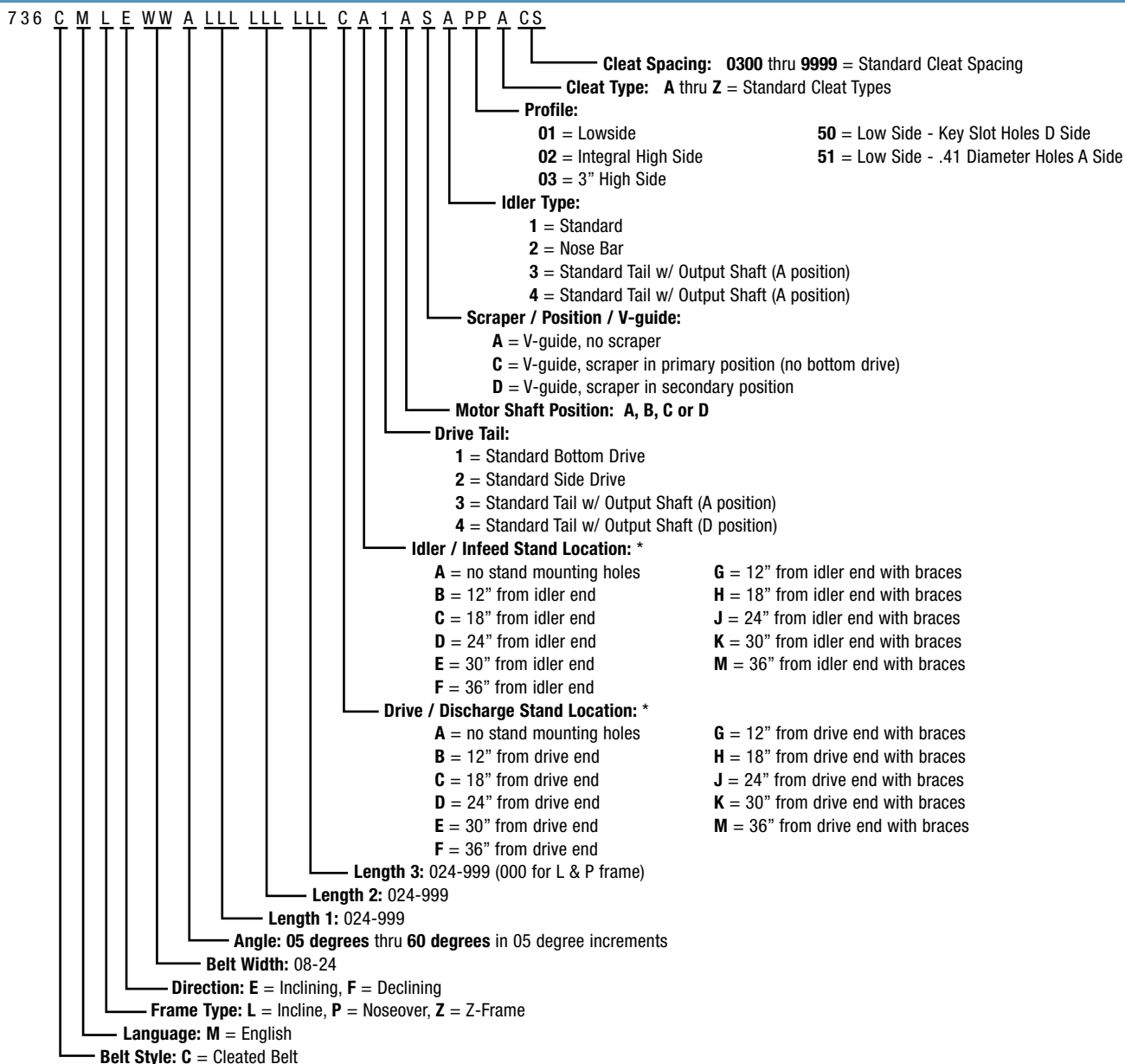
Conveyor sections longer than 11' (3353mm) are constructed using a multiple piece frame. It is recommended that each frame joint be supported by a support stand or other means. If support stand location is a concern, please consult factory for support locations.

*Stand location may be dependent upon conveyor length

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7360 SERIES: Z-FRAME CLEATED BELT CONVEYORS



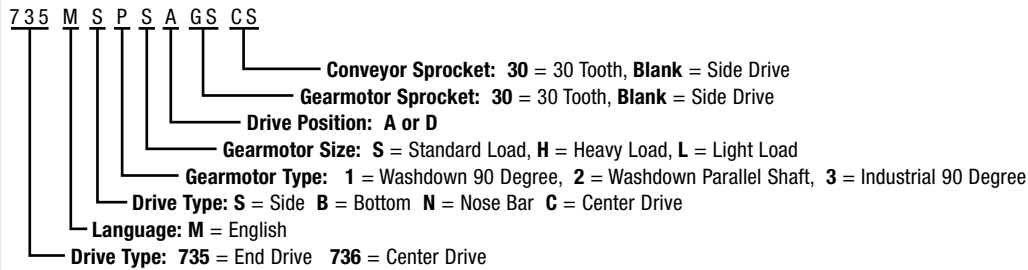
Conveyor sections longer than 11' (3353mm) are constructed using a multiple piece frame. It is recommended that each frame joint be supported by a support stand or other means. If support stand location is a concern, please consult factory for support locations.

*Stand location may be dependent upon conveyor length

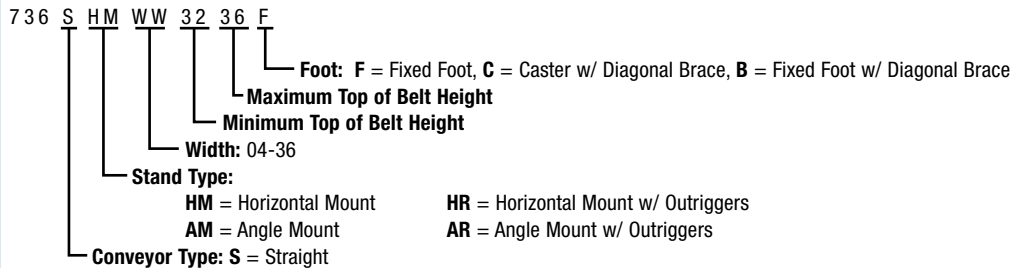
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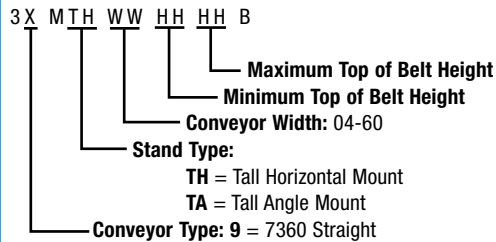
7360 SERIES: GEARMOTOR MOUNT PACKAGES



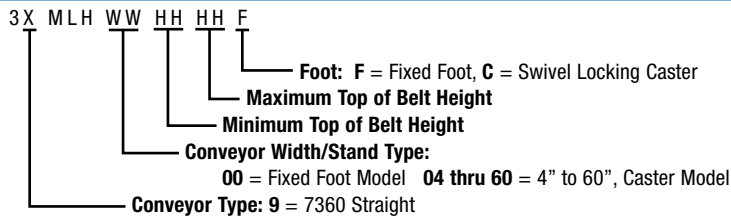
7360 SERIES: SUPPORT STANDS



7360 SERIES: TALL SUPPORT STANDS



7360 SERIES: LOW HEIGHT SUPPORT STANDS



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7360 SERIES: ROLLER TRANSFER PLATE

736ST - WW

Conveyor Width: 04-52

7360 SERIES: OVERHEAD GUIDE

735HG A - LL

Guide Length: 03-10

Guide Type: A = Adjustable, T = Tool-less

7360 SERIES: UPPER GUIDE

735UG A W P - LL

Guide Length: 03-10

Post: V = Vertical post, N = No vertical post

Guide Width: 1 = 5", 2 = 10"

Guide Type: A = Adjustable, T = Tool-less

7360 SERIES: ACCESSORY MOUNTING BAR

735AM - LL

Tail Version: 01 = 1" tail, 03 = 3" tail

7360 SERIES: PHOTO EYE AND REFLECTOR MOUNTING BRACKETS

735 PM - FP

Post Type:

NP = Fixed Post w/o post included

FP = Fixed Post w/ post included

AM = Accessory Mount

Mount Type:

PM = Photoeye Mount

RM = Reflective Mount

CM = Convergent Mount

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MOTOR CONTROL SOLUTIONS



Prepackaged and Stand Alone Control Kits:

- Building block approach provides standardized solutions for applications ranging from motor overload to precision indexing and positioning
- Color coded Quick Connect/Disconnect control devices
- Includes all mounting hardware
- Can be pre-mounted on conveyor before shipping
- No high voltage wiring
- Quick Connect/Disconnect motor cords
- Full range of standardized accessories available

Performance Tested:

- Pre-tested with actual product upon request
- Pre-engineered for conveyor performance
- Engineered for optimal motor performance
- Washdown and stainless controls available



**Quick Disconnect
Motor Cords**



**Color Coded
Quick Disconnect
Input Devices**

CONTROLS OVERVIEW **338**

MANUAL MOTOR STARTERS **340**

VARIABLE SPEED CONTROLLERS **341**

MOTOR CONTROLLERS **342**

INDEXING DRIVE **343**

INPUT ACCESSORIES **344**

ACCESSORIES **345**

MOTION SENSING EQUIPMENT **346**

Save Time, Ensure Performance & Save Money!



Manual Motor Starters



VFD Motor Control – Single Input Interface



AC & DC Variable Speed Controllers



VFD Motor Control – Dual Input Interface

Donrer Motor Control's *building block* approach provides economical and standardized solutions for several applications ranging from motor overload to precision indexing and positioning.



Fixed Speed Motor with Overload Protection



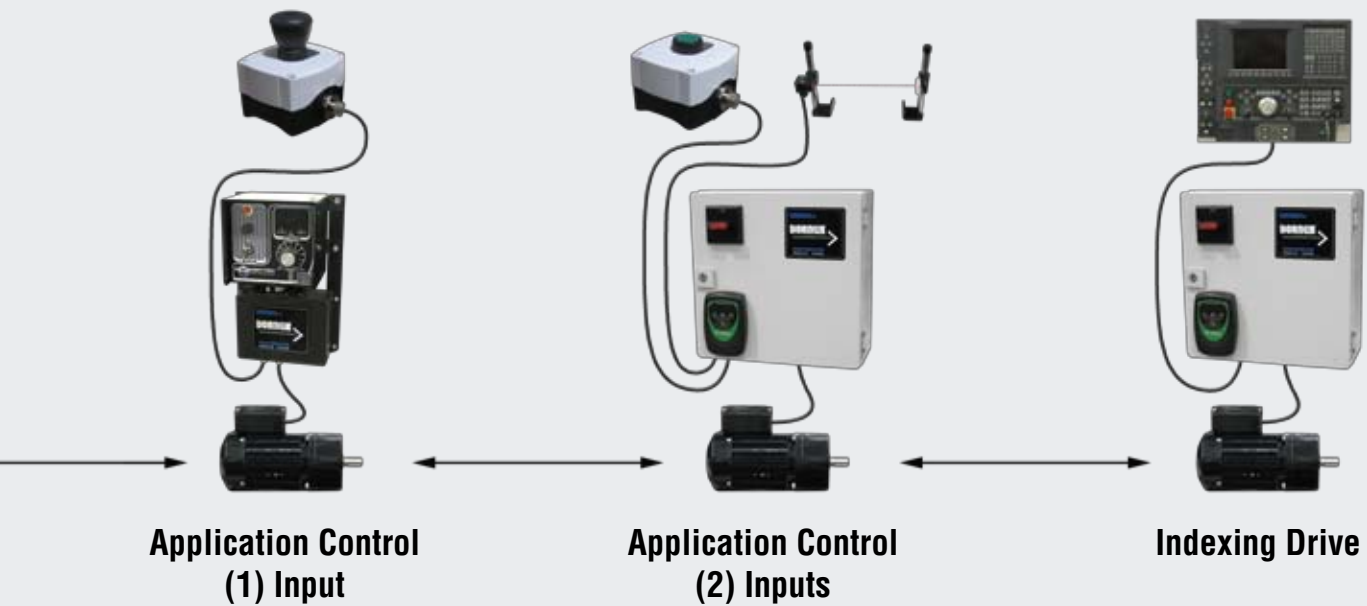
Variable Speed Motor Controller



Emergency Stop



External Control Machine Interface



CONTROLS: MANUAL MOTOR STARTERS

MANUAL MOTOR STARTERS

Manual motor starts are manual electronic disconnects that provide motor overload protection and are required by the National Electric Code (NEC) for safe motor operation.



- Provide basic motor on/off control with overload protection
- Plastic Nema 4X enclosure
- Optional Lockout/Tagout kit
- Push Button Start/Stop
- Includes mounting hardware

Optional Lockout/Tagout Kit

- Can be added to any manual motor starter
- Part No: 75M-LT-1



Illustration A

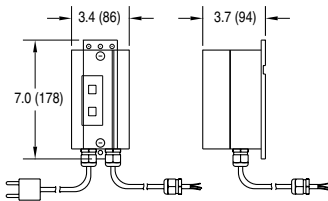


Illustration B

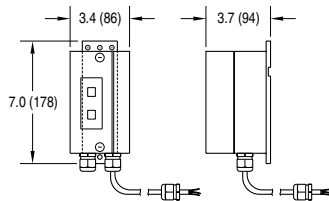
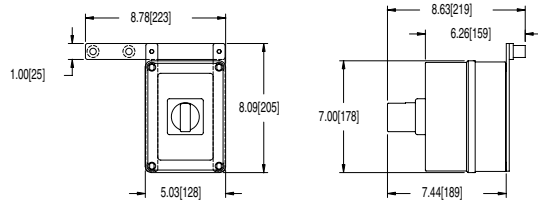


Illustration C*



* Applicable for sanitary applications

Manual Motor Starters CE

- 230V, 1 phase includes cord, plug and starter
- 230/400 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 50 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62(c)M21H	230	1	0.25 - 0.4	A
62(c)M23H	230	3	0.16 - 0.25	B
62(c)M43H	400	3	0.1 - 0.16	B
62(c)M21T	230	1	1.6 - 2.5	A
62(c)M23T	230	3	1.0 - 1.6	B
62(c)M43T	400	3	0.63 - 1.0	B
62(c)M21J	230	1	2.5 - 4.0	A
62(c)M23J	230	3	1.6 - 2.5	B
62(c)M43J	400	3	1.0 - 1.6	B
62(c)M23K	230	3	4.0 - 6.3	B
62(c)M43K	400	3	2.5 - 4.0	B
62(c)M23R	230	3	2.5 - 4.0	B
62(c)M43R	400	3	1.0 - 1.6	B

(c) = Electrical Configuration
 G = CE German
 F = CE French
 U = CE Great Britain

CE Note: When buying a gearmotor only without the starter, the customer must supply their own on/off switch and motor overload protection to comply with the CE Safety Directive.

Manual Motor Starters

- 230/460 Volts, 3 phase wiring to starter by others
- Wiring between motor and starter provided when ordered together
- 60 Hz

Part Number	In Volts	In Phase	Amp Range	Illustration
62MM23L	230	3	1.0 - 1.6	B
62MM43L	460	3	0.4 - 0.63	B
62MM23M	208 - 230	3	1.6 - 2.5	B
62MM43M	460	3	1.0 - 1.6	B
62MM23U	208 - 230	3	2.5 - 4.0	B
62MM43P	460	3	1.6 - 2.5	B
62MM23Q	208 - 230	3	4.0 - 6.3	B
62MM43Q	460	3	2.5 - 4.0	B
74MM11F	115	1	6.3 - 10.0	C
74MM21D	208-230	1	2.5 - 3.9	C
74MM23A	208-230	3	0.63 - 0.99	C
74MM23B	208-230	3	1.0 - 1.59	C
74MM23C	208-230	3	1.6 - 2.4	C
74MM23D	208-230	3	2.5 - 3.9	C
74MM23E	208-230	3	4.0 - 6.3	C
74MM43A	460	3	1.6 - 2.4	C
74MM43B	460	3	2.5 - 3.9	C
74MM43C	460	3	0.63 - 0.99	C
74MM43D	460	3	1.0 - 1.59	C

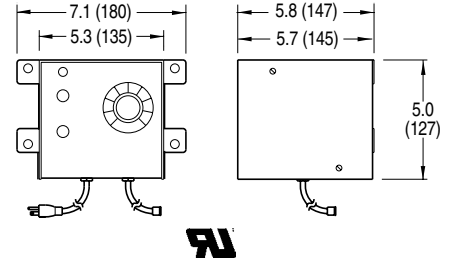
VARIABLE SPEED CONTROLLERS

Donner offers a variety of variable speed controllers to accommodate your gearmotor, electrical and environmental requirements.

DC Variable Speed Controllers



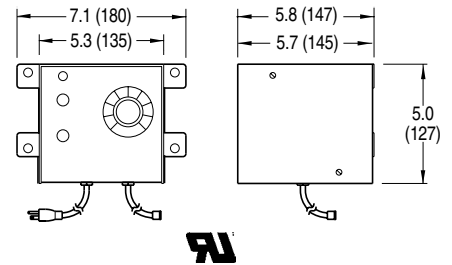
- PWM DC control
- Nema 1 enclosure
- Line cord and motor cord
- On/Off switch
- Forward/Off/Reverse switch version
- Speed potentiometer
- Mounting hardware



AC Variable Speed Controllers



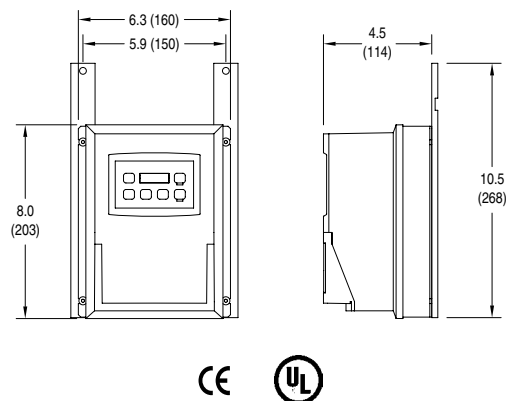
- VFD control
- Nema 1 enclosure
- Line cord and motor cord
- On/Off switch
- Speed potentiometer
- Mounting hardware
- Forward/Off/Reverse switch version
- Up to 1/2 hp motors



Full Feature Variable Speed Controller



- Full feature VFD control
- NEMA 4 enclosure
- Digital display
- Keypad with Start/Stop, Forward/Reverse and speed variations
- Includes cord to motor
- Power to controller by others
- 32MV1122 includes line cord to controller
- Mounting hardware
- Nema 4x stainless steel version available
- Up to 2 Hp motors



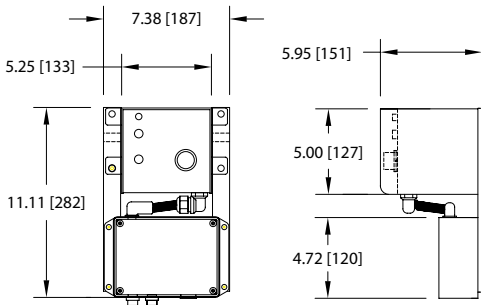
SINGLE AND DUAL INPUT MOTOR CONTROL

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

Part Number	75M-V1-3211-05
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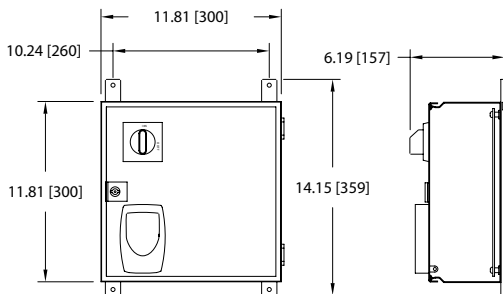


VFD Motor Control – Dual Input Interface



- 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

Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Max Hp	Max Amps
75M-V2-3211-05	115	1	60	230	1	4.0
75M-V2-3211-10	115	1	60	230	1.5	5.2
75M-V2-3232-10	230	1 or 3	60	230	1.5	5.2
75M-V2-3232-20	230	1 or 3	60	230	2	7.0
75M-V2-3434-10	460	3	60	460	1.5	2.8
75M-V2-3434-20	460	3	60	460	2	3.8



INDEXING DRIVE



Specifications:

- Electronic indexing
- Up to 60 indexes per minute
- Requires run signal
- Low inertia motor
- Adjustable acceleration/deceleration

Features & Benefits:

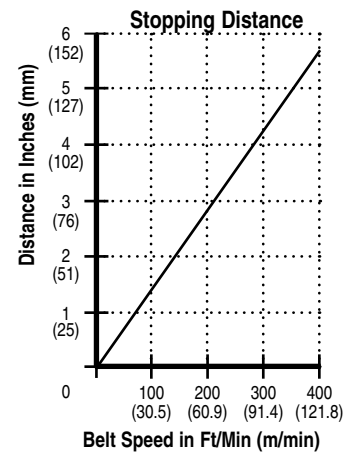
- Compatible with 2200, 3200, 5200 and 6200 Series standard load gearmotor mounting packages
- Utilizes standard variable frequency drive controller and accessory kits
- Pre-wired motor and AC line cords

VFD Motor Control with Dual Input Interface

- Variable frequency drive
- 115V single phase input voltage
- 230V three phase input voltage
- 230V three phase output
- Motor overload protection
- Nema 12 Enclosure
- Operator interface panel
- Quick disconnect motor cord
- Two input locations for control devices
- Quick disconnect plug for control devices
- Lockout/Tagout provided

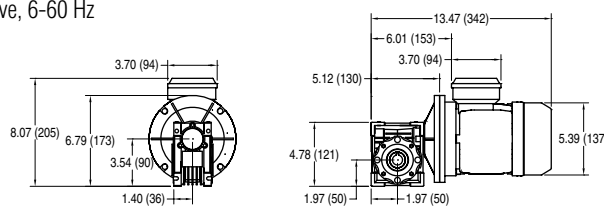


Part Number	Input Volts	Input Phase	Input Hz	Output Volts	Max HP	Max Amps
75M-V2-3211-05E	115	1	60	230	1.0	4.0
75M-V2-3232-10E	230	1 or 3	60	230	1.5	5.2
75M-V2-3434-10E	460	3	60	460	1.5	2.8



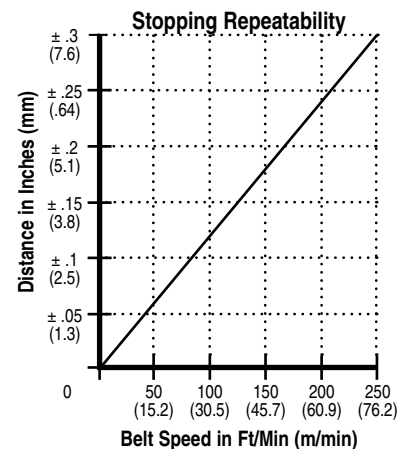
Indexing Gearmotor

- Variable frequency drive, 6-60 Hz
- Sealed Gearmotor
- NEMA 56 C Face
- Totally enclosed, non-ventilated
- UL & CSA approved
- 230 Volts, 3 Phase
- Order controller separately, see above



Part Number	Gearmotor Type	3 Ph Hp	3 Ph kW	3 Ph FLA	RPM*	in-lbs*	Nm*
32M060ES423EI	K	0.5	0.37	1.6	29	226	25.5
32M040ES423EI	K	0.5	0.37	1.6	44	247	27.9
32M020ES423EI	K	0.5	0.37	1.6	86	248	27.9
32M010ES423EI	K	0.5	0.37	1.6	173	156	17.6
32M005ES423EI	K	0.5	0.37	1.6	345	81	9.1

* At 60 Hz



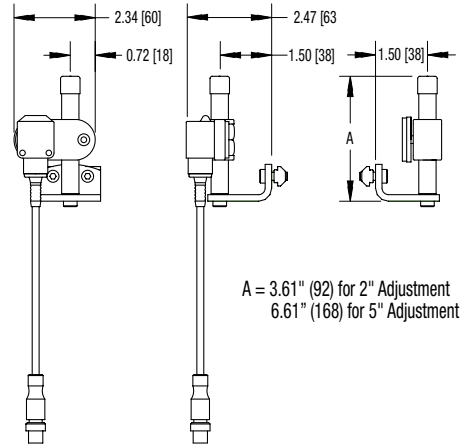
INPUT ACCESSORIES

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

Part Number	Description
75M-PE-1	2" height adjustment
75M-PE-2	5" height adjustment

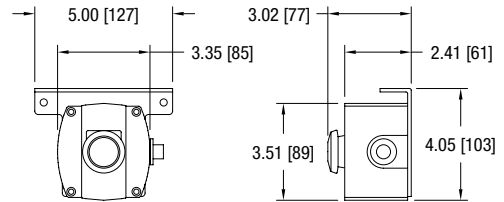


Jog Push Button Kit



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

Part Number	75M-JG-1
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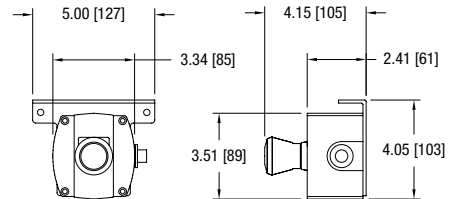
Horizontal Mount

Control Stop Kit



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

Part Number	75M-CS-1
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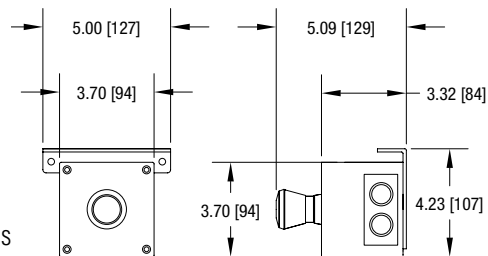
Horizontal Mount

ACCESSORIES

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 and Support Stands
- Horizontal or vertical mount

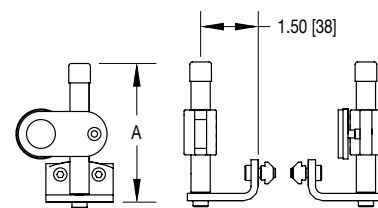


Part Number	75M-ES-1
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Photo Eye Bracket Kits



- Standard mounting for 18mm 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



A = 3.61" (92) for 2" Adjustment
6.61" (168) for 5" Adjustment

Part Number	Photo Eye Mount Type	Adjustment Height
75M-PM-1	Reflective	2"
75M-PM-2	Reflective	5"
75M-PM-3	Through Beam	2"
75M-PM-4	Through Beam	5"
75M-PM-5	Convergence	2"
75M-PM-6	Convergence	5"

Linking Cable Kits



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

Part Number	Description
75M-LC-1	6 ft (1.83 m) cable
75M-LC-2	15 ft (4.57 m) cable

CONTROLS: MOTION SENSING EQUIPMENT

MOTION SENSING EQUIPMENT

Dorner's motion sensors are used in pressroom, injection molding, packaging or any application where it is critical to know the conveyor belt is running while your machine is operating. Dorner's motion sensor switch monitors your conveyor and provides a dry contact "belt running" signal to your machine control, PC or PLC.

Sensor Switch



- Low profile, compact design
- Stainless steel construction for rugged durability
- Magnetic reed switch offers reliable operation in harsh industrial environments
- Dry contact signal for easy control interface. Provides one pulse per conveyor pulley revolution.
- Several connector styles available to fit a variety of standard control receptacles
- For 2" and wider 2200, 4100 and 6200 Series conveyors

Magnetic Reed Switch Specifications

- | | |
|--|--|
| • Voltage (switching) | 200 Vdc. Maximum
140 Vac. (RMS) Maximum |
| • Current (switching)
(carrying) | 1.0 Amps. Maximum
2.5 Amps. Maximum |
| • Watts | 15 Watts Maximum |
| • Resistance (initial contact)
(insulation) | 0.100 Ohms Maximum
10E6 M Ohms |
| • Switch Response Time (including bounce) | 0.5 milliseconds |
| • Switching Speed | 1 kHz Maximum |

Sensor Switch with Wire Connector



- Includes switch assembly and 12' (3.7 m) cord

Part Number	Description
64-02-00	Sensor Switch, 2200 and 6200 Series
74-02-00*	Sensor Switch, 4100 and 2200 Series Gang Drive

Motion Sensor Magnet

Part Number	Description
64-03l	Sensor Switch Magnet, 2200 and 6200 Series, Installed in conveyor idler pulley

Sensor Switch with Banana Plug Connector



- Includes switch assembly & 12' (3.7 m) cord
- Use with Motion Monitor Control Box

Part Number	Description
64-02-01	Sensor Switch, 2200 and 6200 Series
74-02-01*	Sensor Switch, 4100 and 2200 Series Gang Drive

* Includes engagement springs for 2", 3", and wider conveyors; and installation wrench.

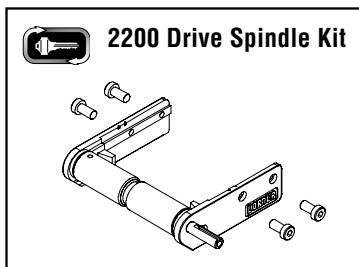
PERFORMANCE PARTS KITS



When tomorrow's too late...


At Dorner we take pride in our ability to ship parts orders quickly and complete, with next day service on most items. Having the right parts on hand can minimize downtime when an emergency arises. Dorner has a new action plan that makes your preventive maintenance plan work for you. Keep your line performing with Dorner Performance Parts Kits.

Dorner has quick and convenient pre-configured kits of key service parts for all our conveyor products. These time saving kits are easy to order, are designed for fast installation and guarantee you'll have what you need when you need it.



For updated Service Manuals,
visit our website at:

www.dorner.com

Our service manuals have been updated to include these kits and are marked with the Performance Parts Kits logo  to help you make the right choice. You can also contact your local distributor or Dorner to determine the recommended Parts Kits to keep your Performance in Motion.

For more information on Performance Parts Kits specific to your conveyors, have your Conveyor Serial Numbers ready and call us at 1-800-397-8664. To locate your local distributor, visit our website at www.dorner.com/distrib.htm

ENGINEERED APPLICATIONS: INDUSTRIAL

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.

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.

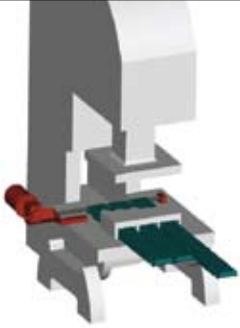
MULTIPLE BELTS – ONE DRIVE



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.

METAL STAMPING



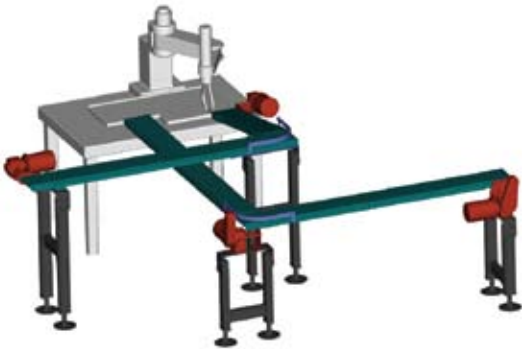
Dramatically increase productivity and safety by continuously removing and separating scrap from finished parts.

AUTOMATED ASSEMBLY



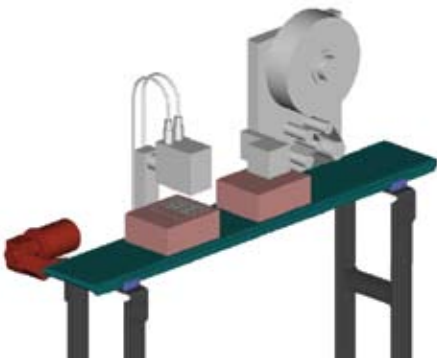
As a partner in automation, Dorner Low Profile Conveyors improve quality, worker ergonomics, safety and productivity.

ROBOTIC WORKCELL



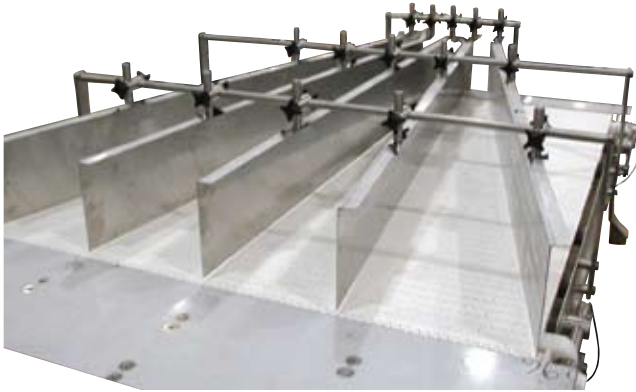
Dorner's low profile conveyors can be efficiently integrated into work cells reducing wasted time spent manually handling material and increasing productivity.

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.

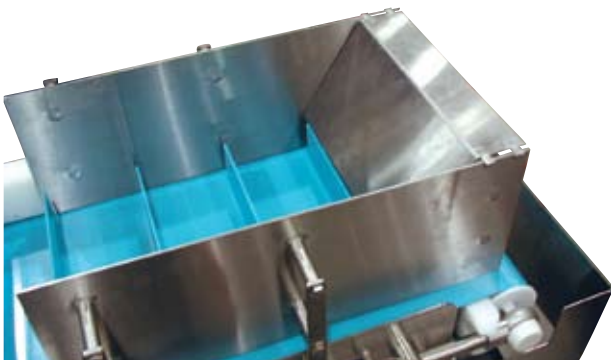
LANE & ADJUSTABLE GUIDING



Controls product flow and direction, also adjustable for various-sized products.

- Accumulates large quantity of product
- Diverts product across lanes
- Merges multiple lanes to a single lane
- Support unstable product
- Stainless steel options available

HOPPERS



Guide product onto the conveyor and reduce product waste during quick-filling of conveyors.

- Locate and guide product onto conveyors
- Removable for easier maintenance and sanitation
- Stainless steel construction

CHUTES



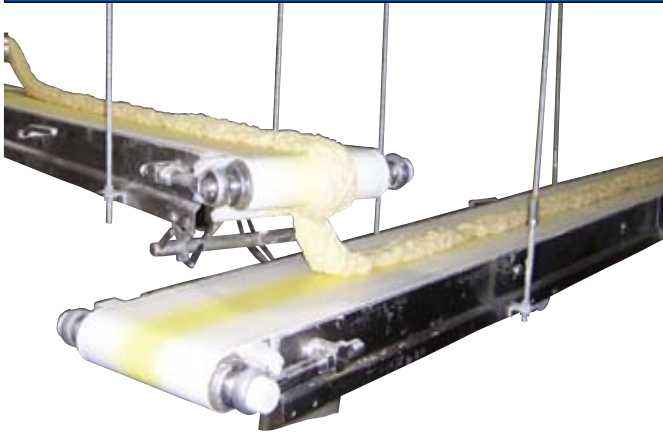
Steel, stainless and plastic chutes help guide product onto or away from the conveyor belt.

CONVEYOR COVERS



Clear Lexan® or stainless steel covers can help improve operator safety and/or protect product from contamination.

CEILING MOUNTED CONVEYORS



Save floor space by mounting conveyors from the ceiling.

SCRAPER



Removes product build-up and releases product from belt.

- Adjustable tension accommodates a variety of products
- Stainless steel construction

MULTI-BELT CURVE



Create a tighter turn radius and reduce the amount of space required for a modular belt curve by using multiple belts on one conveyor frame.

DRIP PANS



Control product spillage and reduce cleaning time with drip pans.

- Collection for liquids and debris which fall from the product
- Can be hinged for easy clean-out or funneled to collect the liquid to a central location
- Drain option for easier cleaning
- All stainless steel construction

WIRE BELT CONVEYORS



- Maximum air flow around products to heat or cool
- Variety of chain options for various application needs
- Minimum surface area reduces sanitation and cleaning time

FRAME INTEGRATED CONVEYOR SIDE TABLES



One-piece design improves sanitation and facilitates additional assembly operations on the conveyor.

- Stainless steel operator side tables can be formed from the side of the conveyor
- Up to 10" (254 mm) wide
- Located on one or both sides of the conveyor

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
- 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

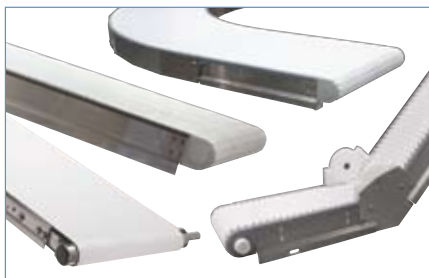
- Straight, curve, incline and decline configurations
- High performance conveying
- Main line, long lengths
- Heavy duty applications
- Fast belt speeds
- Part accumulation
- Automated and manual assembly



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

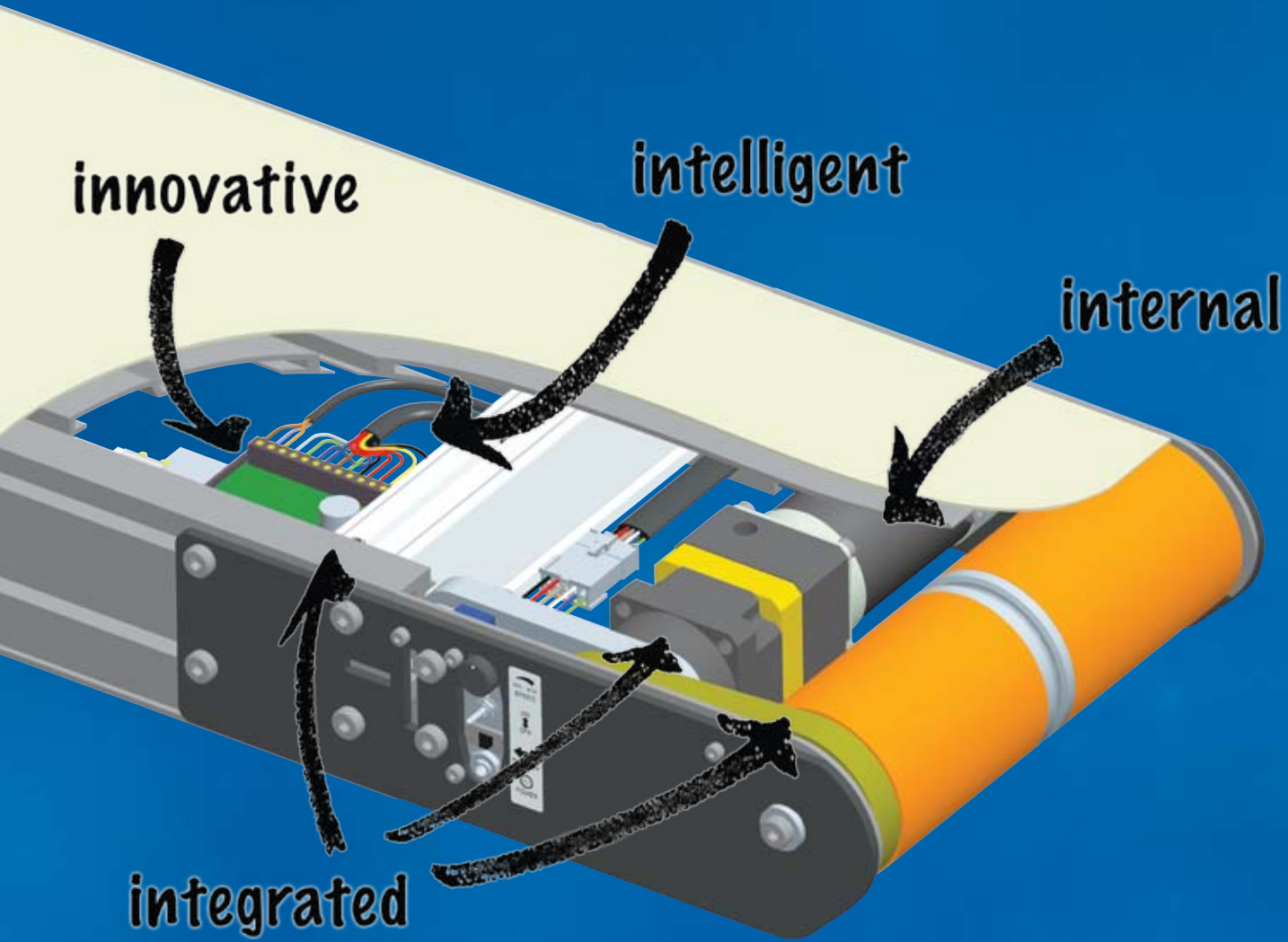
- Straight, curve, incline and decline configurations
- Belt and modular belt options
- Industry leading speeds
- Small parts transfers
- Easy to accessorize - No drilling required
- 10 guiding packages available



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



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