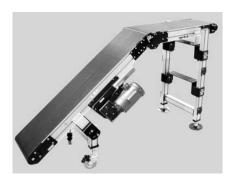


# Flat Belt Center Drive LPZ Conveyors

**Installation, Maintenance & Parts Manual** 



DORNER MFG. CORP. P.O. Box 20 • 975 Cottonwood Ave. Hartland, WI 53029-0020 USA INSIDE THE USA TEL: 1-800-397-8664 FAX: 1-800-369-2440 OUTSIDE THE USA TEL: 262-367-7600 FAX: 262-367-5827

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#### Introduction

#### **IMPORTANT**

Some illustrations may show guards removed. DO NOT operate equipment without guards.

Upon receipt of shipment:

- Compare shipment with packing slip. Contact factory regarding discrepancies.
- Inspect packages for shipping damage. Contact carrier regarding damage.
- Accessories may be shipped loose. See accessory instructions for installation.

Dorner's Limited Warranty applies.

Dorner 3200 series conveyors are covered by Patent Numbers 5,156,260, and corresponding patents and patent applications in other countries.

Dorner reserves the right to make changes at any time without notice or obligation.

Dorner has convenient, pre-configured kits of Key Service Parts for all conveyor products. These time saving kits are easy to order, designed for fast installation, and guarantee you will have what you need when you need it. Key Parts and Kits are marked in the Service Parts section of this manual with the Performance Parts Kits logo.

## Warnings - General Safety

#### **A WARNING**

The safety alert symbol, black triangle with white exclamation, is used to alert you to potential personal injury hazards.

#### **A** DANGER



Climbing, sitting, walking or riding on conveyor will cause severe injury.

KEEP OFF CONVEYORS.

#### **A** DANGER



DO NOT OPERATE CONVEYORS IN AN EXPLOSIVE ENVIRONMENT.

#### WARNING



LPZ Series Conveyors are not reversible. Reversing creates pinch points which can cause severe injury.

DO NOT REVERSE LPZ SERIES CONVEYORS.

#### **A WARNING**



Gearmotors may be HOT.

DO NOT TOUCH Gearmotors.

#### **▲** WARNING



Exposed moving parts can cause severe injury.

LOCK OUT POWER before removing guards or performing maintenance.

#### **WARNING**



Dorner cannot control the physical installation and application of conveyors. Taking protective measures is the responsibility of the user.

When conveyors are used in conjunction with other equipment or as part of a multiple conveyor system, CHECK FOR POTENTIAL PINCH POINTS and other mechanical hazards before system start-up.

#### **WARNING**



Loosening stand height or angle adjustment screws may cause conveyor sections to drop down, causing severe injury.

When conveyors are used in conjunction with other equipment or as part of a multiple conveyor system, CHECK FOR POTENTIAL PINCH POINTS and other mechanical hazards before system start-up.

SUPPORT CONVEYOR SECTIONS PRIOR TO LOOSENING STAND HEIGHT OR ANGLE ADJUSTMENT SCREWS.

## **Product Description**

Refer to Figure 1 for typical conveyor components.

A Conveyor
B Center Drive Module
C Gearmotor
D Guiding & Accessories
E Mounting Brackets
F Knuckle
G Support Stand
H Idler/Tension End

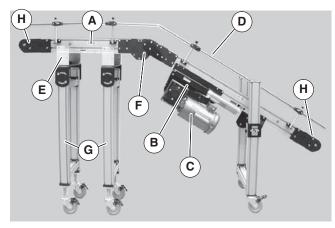
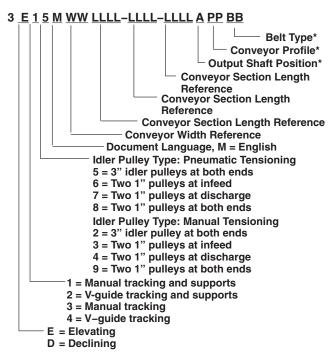


Figure 1

## **Specifications**

#### **Models**

#### Flat Belt LPZ Series Center Drive Conveyor



<sup>\*</sup> See Ordering and Specifications Catalog for details

#### **Conveyor Supports:**

Maximum Distances:

I = 24" (610 mm) (Drive End)

J = 12 ft (3658 mm)

K = 36" (914 mm) (Idler End)

Maximum Angle:

L = 0 to 35 degrees

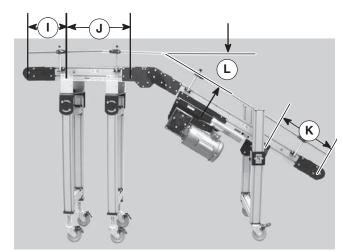
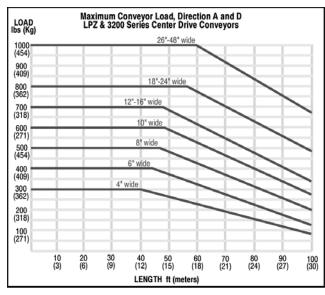
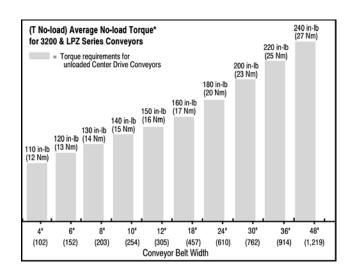


Figure 2

## **Specifications**

#### **Specifications**





Conveyor Width Reference (WW)	04	04 06 08 10 12 18 24 30 36 48									
Conveyor Belt Width	3.75" (95m m)	6" (152 mm)	8" (203 mm)	10" (254 mm)	12" (305 mm)	18" (457 mm)	24" (609 mm)	30" (762 mm)	36" (915 mm)	48" (1220 mm)	
Conveyor Length Reference (LLLL)		0300 to 9900 in 0001 increments									
Conveyor Length		4 ft (1219mm) to 99 ft (30175mm) in 0.12" (0.31mm) increments									
Belt Travel		18.8" (478 mm) per revolution of pulley									
Maximum Belt Speed*	600 ft/minute (183 m/minute)										
Belt Takeup		16" (407 mm) of Belt Takeup									

<sup>\*</sup> See Ordering and Specifications Catalog for details.

#### **NOTE**

Maximum conveyor loads based on:

- Non-accumulating product
- Product moving towards gearmotor
- Conveyor being mounted horizontal

Table 1: Belt Speeds for Variable Speed 90° VDC Gearmotors

Standard	Belt S	Speed			
Part Number	RPM	In-lb	N-m	Ft/min	M/min
32M100HHD9DEN	25	630	71	4.0-40.0	1.2–12.2
32M080HHD9DEN	31	575	65	5.0-50.0	1.5–15.2
32M060HHD9DEN	42	469	53	6.7–66.7	2.0-20.3

(vp) = voltage and phase

11 = 115 V, 1-phase

23 = 208 - 230/460 V, 3-phase

**Table 2: Belt Speeds for Fixed Speed 90 Gearmotors** 

Standard	Standard Load Gearmotors						
Part Number	RPM	In-lb	N-m	Ft/min	M/min		
32M100HHvpfN	17	913	103	27.6	8.4		
32M080HHvpfN	22	833	94	34.5	10.5		
32M060HHvpfN	29	680	77	46.0	14.0		
32M050HHvpfN	35	1206	136	55.2	16.8		
32M040HHvpfN	43	1023	116	69.0	21.0		
32M030HHvpfN	58	1217	138	92.0	28.0		
32M025HHvpfN	69	1069	121	110.4	33.7		
32M020HHvpfN	86	1184	134	138.0	42.1		
32M015HHvpfN	115	910	103	184.0	56.1		
32M010HHvpfN	173	636	72	276.0	84.1		
32M008HHvpfN	230	482	54	368.0	112.2		

Table 3: Belt Speeds for Variable Speed 90° VFD Gearmotors

Standard	Belt S	Speed			
Part Number	RPM	In-lb	N-m	Ft/min	M/min
32M100HHvpfN	17	913	103	2.8–27.6	0.8–8.4
32M080HHvpfN	22	833	94	3.5–34.5	1.1–10.5
32M060HHvpfN	29	680	77	4.6–46.0	1.4–14.0
32M050HHvpfN	35	1206	136	5.5–55.2	1.7–16.8
32M040HHvpfN	43	1023	116	6.9–69.0	2.1–21.0
32M030HHvpfN	58	1217	138	9.2–92.0	2.8-28.0
32M025HHvpfN	69	1069	121	11.0–110.4	3.4–33.7
32M020HHvpfN	86	1184	134	13.8–138.0	4.2-42.1
32M015HHvpfN	115	910	103	18.4–184.0	5.6–56.1
32M010HHvpfN	173	636	72	27.6–276.0	8.4–84.1
32M008HHvpfN	230	482	54	36.8–368.0	11.2–112.2

Table 4: Belt Speeds for Variable Speed 90 VFD Integrated Motor Control Gearmotors

Standard	Belt 9	Speed			
Part Number	RPM	In-Ib	N-m	Ft/min	M/min
32M100HH411EC	17	913	103	4.6–36.7	1.4–11.2
32M060HH411EC	29	680	77	7.7–61.2	2.3-18.7
32M040HH411EC	43	1023	116	11.5–91.8	3.5–28.0
32M015HH411EC	69	712	80	18.4–146.8	5.6-44.8
32M020HH411EC	86	592	67	23.0-183.5	7.0–56.0
32M015HH411EC	115	455	51	30.7–244.7	9.4–74.6

(vp) = voltage and phase

11 = 115 V, 1-phase

23 = 208 - 230/460 V, 3-phase

#### NOTE

For belt speed other than those listed, contact factory for details.

#### DANGER



LPZ Series Conveyors are not reversible. Reversing creates pinch points which can cause severe injury.

DO NOT REVERSE LPZ SERIES CONVEYORS.

#### NOTE

Conveyor MUST be mounted straight, flat and level within confines of conveyor. Use a level (M of Figure 3) for setup.

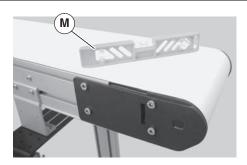


Figure 3

#### **Required Tools**

- Hex-key wrenches: 4 mm, 5 mm
- Level
- · Torque wrench
- 8mm hex, open end wrench

# Recommended Installation Sequence

- Install support stands (see accessory instructions)
- Assemble conveyor (if required)
- Attach mounting brackets to conveyor (see page 9 for instructions)
- Adjust angle (see page 20 for instructions)
- · Attach conveyor to stands
- Install return rollers on conveyor (see page 10 for instructions)
- Mount gearmotor mounting package (see page 11 for instructions)
- Attach guides/accessories (see page 42 through page 48 of "Service Parts" section for details)

#### Conveyors Up to 13 ft (3962 mm)

No assembly is required. Install mounting brackets and return rollers. Refer to "Mounting Brackets" on page 9 and "Return Rollers" on page 10.

# Conveyors Longer Than 13 ft (3962 mm)

1. Locate components (see Figure 4).

- N Conveyor frame with knuckle
- O Conveyor frame with idler end
- P Belt
- Q Knuckle
- R Intermediate Conveyor Frame (required for conveyor sections over 13' (3962 mm) long)

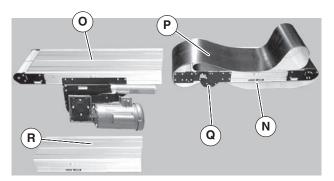


Figure 4

2. On tension end of the conveyor, identified by the pinion locking screw (Figure 5, item S), push in head plate assembly (U): Loosen the pinion locking screw (S), adjust the pinion torque screw (Figure 6, item V). On both sides of conveyor, loosen the two tail clamp bolts (Figure 5, item T), and push head plate assembly (U) inward.

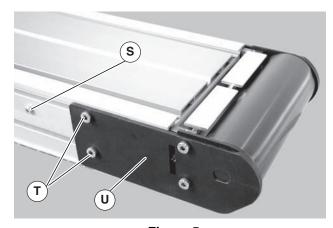


Figure 5

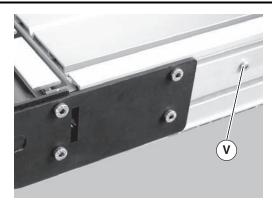


Figure 6

Roll out conveyor belt (Figure 7, item P). Loosen (4) screws (W) on both sides of knuckle (Q). Slide frame
 (O) into knuckle (Q). Tighten screws (W) to 60 in-lb (7 N-m) on both sides of conveyor.

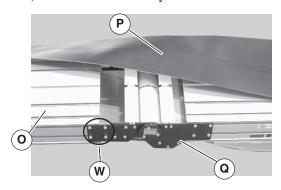


Figure 7

4. Join additional conveyor sections if necessary and install connector brackets (Figure 8, item X) or connector/mount brackets (XA) and screws (Y) on both sides as indicated. Tighten screws to 60 in-lb (7 Nm).

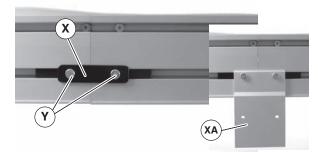


Figure 8

5. Slide belt (Figure 9, item P) over assembled conveyor sections (Z).

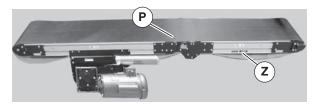


Figure 9

- 6. Tension conveyor belt, refer to "Conveyor Belt Tensioning" on page 17.
- 7. Install mounting brackets and return rollers. Refer to "Mounting Brackets" on page 9 and "Return Roller" on page 10.
- 8. Adjust conveyor angle. See "Conveyor Angle Adjustment" on page 20.

#### **Mounting Brackets**

1. Locate brackets. Exploded views shown in Figure 10.

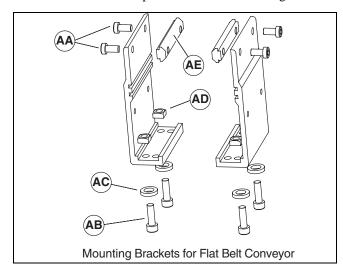


Figure 10

- 2. Remove screws (Figure 10, item AA & AB), washers (AC), nuts (AD) and T-bars (AE) from brackets.
- 3. Insert T-bars (Figure 10, item AE) into conveyor side slots (Figure 11, item AE). Fasten brackets (Figure 11, item AF) to conveyor with mounting screws (AA).

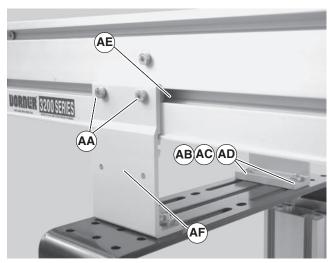


Figure 11

- 4. Fasten brackets to support stand with mounting screws (Figure 11, item AB), washers (AC) and nuts (AD).
- 5. Tighten screws (Figure 11, item AA & AB) to 60 in-lb (7 Nm).

#### **Return Rollers**

# 4-6" (102-152 mm) Wide Flat Belt Conveyors

 Locate return rollers. Exploded view shown in Figure 12

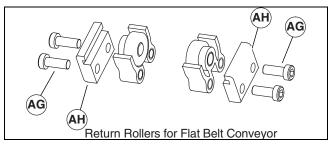


Figure 12

2. Remove screws (Figure 12, item AG) and clips (AH) from roller assembly.

3. Install roller assemblies (Figure 13, item AI) as shown. Tighten screws (AG) to 60 in-lb (7 Nm).

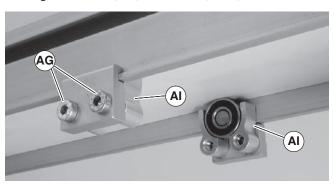


Figure 13

# 8-48" (203-1219 mm) Wide Flat Belt Conveyors

1. Locate return rollers. Exploded view shown in Figure 14.

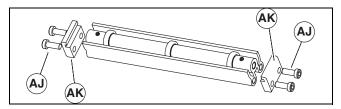


Figure 14

- 2. Remove screws (Figure 14, item AJ) and clips (AK) from roller assembly.
- 3. Install roller assembly as shown (Figure 15, item AL). Tighten screws (AJ) to 60 in-lb (7 Nm).

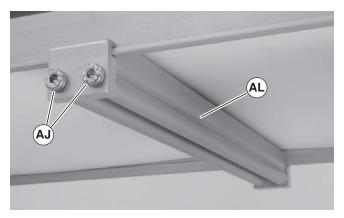


Figure 15

#### **Gearmotor Installation**

#### **Required Tools**

- Hex key wrenches: 2 mm, 2.5 mm, 3 mm, 5 mm
- Torque wrench

#### Mounting



Exposed moving parts can cause severe injury.

LOCK OUT POWER before removing guards or performing maintenance.

1. Locate components in Figure 16.

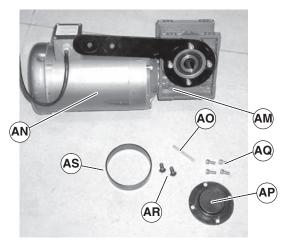


Figure 16

	Gearmotor Installation Component List
AM	Gearhead with mounting bracket
AN	Motor
AO	Gear Reducer Key
AP	Cover
AQ	Cover Bolts
AR	Motor Mount Bolts
AS	Spacer Ring

#### **NOTE**

Gearmotor may be operated in positions 1, 3 or 4 (Figure 17).

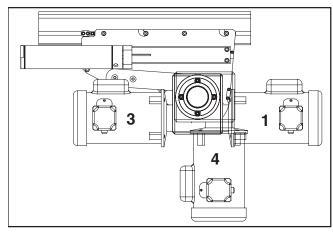


Figure 17

2. If required, change gearmotor position by removing four (4) screws (Figure 18, item AT). Rotate gearmotor mounting plate to other position and replace screws (AT). Tighten to 200 in-lb (22.5 Nm).

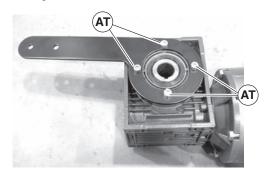


Figure 18



3. Install key (Figure 19, item AO) on drive shaft(AU). Install cover (AP) over bearing housing (AV)

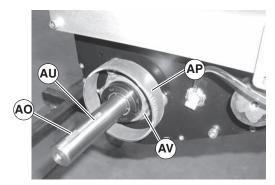


Figure 19

4. Install cover (Figure 20, item AP) with four (4) screws (AQ).

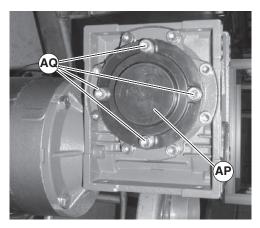


Figure 20

5. Slide gearmotor (Figure 21, item AM) on to drive shaft (Figure 19, item AU). Tighten mounting screws (AR) to 200 in–lbs (22.5 N–m).

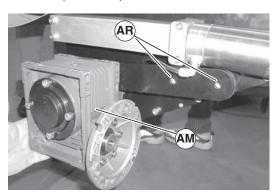


Figure 21

#### **Required Tools**

#### **Standard Tools**

- Hex key wrenches: 2.5 mm, 4 mm, 5 mm
- 8mm hex, open end wrench

#### **Checklist**

- Keep service parts on hand (see "Service Parts" section for recommendations)
- Keep supply of belt cleaner (part # 625619)
- Clean entire conveyor and knurled pulley while disassembled
- Replace worn or damaged parts

#### Lubrication

No lubrication is required. Replace bearings if worn.

#### **Maintaining Conveyor Belt**

#### **Troubleshooting**

Inspect conveyor belt for:

- · Surface cuts or wear
- · Stalling or slipping
- · Damage to V-guide

Surface cuts and wear indicate:

- Sharp or heavy parts impacting belt
- · Jammed parts
- Improperly installed bottom wipers (if installed)
- Accumulated dirt in wipers (if installed)
- · Foreign material inside the conveyor
- · Improperly positioned accessories
- Bolt-on guiding is pinching belt

Stalling or slipping indicates:

- · Excessive load on belt
- Conveyor belt or drive timing belt are not properly tensioned
- Worn knurl or impacted dirt on drive pulley
- · Intermittent jamming or drive train problems

Damage to V-guide indicates:

- Twisted or damaged conveyor frame
- Dirt impacted on pulleys

851-518 Rev. F

· Excessive or improper side loading

#### NOTE

Visit www.dorner.com for complete list of troubleshooting solutions.

#### Cleaning

#### **IMPORTANT**

Do not use belt cleaners that contain alcohol, acetone, Methyl Ethyl Ketone (MEK) or other harsh chemicals.

Use Dorner Belt Cleaner (part # 625619). Mild soap and water may also be used. Do not soak the belt.

For /05 woven polyester and /06 black anti-static belts, use a bristled brush to improve cleaning.

#### **Conveyor Belt Replacement**

#### **A** WARNING



Exposed moving parts can cause severe injury.

LOCK OUT POWER before removing guards or performing maintenance.

#### **Conveyor Belt Replacement Sequence**

- Release Tension
- Remove old conveyor belt:
  - Conveyor without Stands or Gearmotor Mounting Package
  - Conveyor with Stands and Gearmotor Mounting Package
- Install new conveyor belt
- Tension conveyor belt

#### **Belt Removal for Conveyor Without Stands**

1. Remove air supply and remove hose (Figure 22, item AW) from center drive.



Figure 22

- 2. If equipped, remove return rollers and guiding and accessories from one side of conveyor.
- 3. Temporarily support idler guard assembly (Figure 23, item AX). Remove screws (AY).

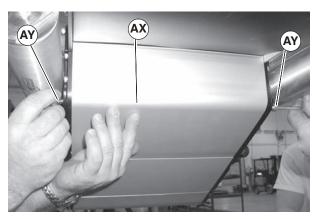


Figure 23

4. Swing down idler guard assembly (Figure 24, item AX). Remove screw (AZ) from both sides of center drive and remove idler guard assembly (AX).

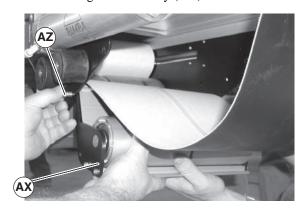


Figure 24

5. Remove screws (Figure 25, item BA) and tensioning guards (BB) from both sides of center drive.

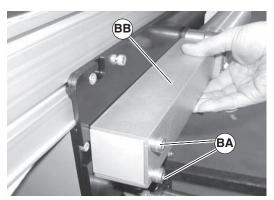


Figure 25

6. Temporarily support the tensioning roller guard (Figure 26, item BD). Remove screws (Figure 26, item BC) on both sides of center drive and remove tensioning roller guard (Figure 26, item BD) and (Figure 27, item BD).

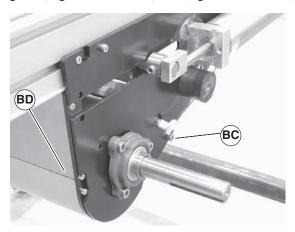


Figure 26

7. Loosen tensioning roller set screws (Figure 27, item BE).

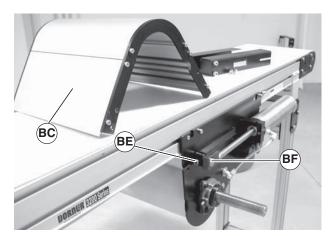


Figure 27

8. Push shaft (Figure 27, item BF) through block, slide block (Figure 28, item BG) towards air cylinder (BH).

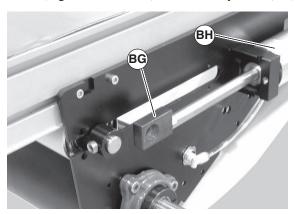


Figure 28

9. Push shaft (Figure 29, item BF) through block (BG) on opposite side of center drive, slide block toward air cylinder (BH).

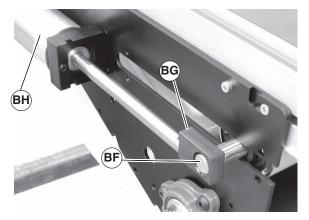


Figure 29

10. Slide out tensioning roller (Figure 30, item BI).

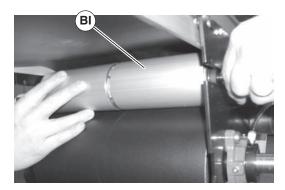


Figure 30

11. Remove belt (Figure 31, item BJ) from center drive module (B) and conveyor.

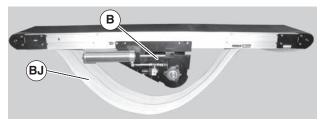


Figure 31

12. Remove screws (BK of (Figure 32, item ) on both sides of knuckle and remove guard (BL).

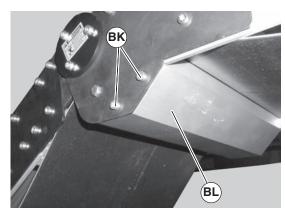


Figure 32

13. Push in hex posts (Figure 33, item BM) and remove roller (BN).

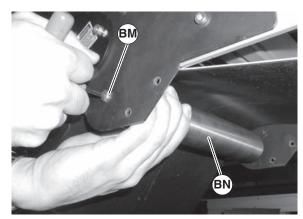


Figure 33

14. Remove belt (Figure 34, item BJ) from conveyor.

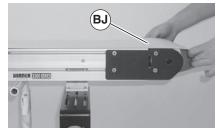


Figure 34

#### **Belt Removal for Conveyor With Stands**

#### **WARNING**



Loosening stand height or angle adjustment screws may cause conveyor sections to drop down, causing severe injury.

When conveyors are used in conjunction with other equipment or as part of a multiple conveyor system, CHECK FOR POTENTIAL PINCH POINTS and other mechanical hazards before system start-up.

SUPPORT CONVEYOR SECTIONS PRIOR TO LOOSENING STAND HEIGHT OR ANGLE ADJUSTMENT SCREWS.

1. Place temporary support stands (Figure 37, item BO) at both ends of the conveyor. See WARNING.

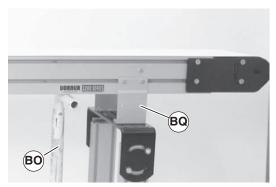


Figure 35

- 2. If equipped, remove return rollers, guiding and accessories from one side of conveyor.
- 3. Repeat steps 1 thru 13 of the "Belt Removal for Conveyors Without Stands" section on page 14.
- 4. Remove first mounting brackets (Figure 37, item BQ) from one side of conveyor. (Reverse steps 3 & 4 of "Mounting Brackets" section on page 9).
- 5. Remove belt (Figure 36, item BJ) from conveyor, one stand at a time. Start on one end of conveyor and work down to opposite end.

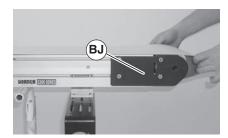


Figure 36

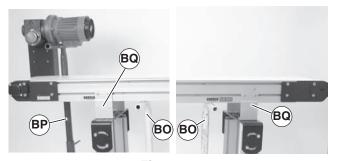


Figure 37

## Belt Installation for Conveyor without Stands

1. Orient belt so splice leading fingers (Figure 40, item BR) point in the direction of belt travel as identified by the conveyor directional label (BS).

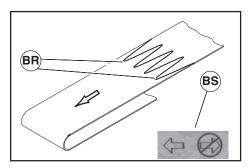


Figure 38

- 2. Slide belt onto the conveyor frame assembly.
- 3. Reverse steps 1 thru 13 of the "Belt Removal for Conveyors Without Stands" section on page 14.
- 4. If equipped, install wipers, return rollers and guiding.
- 5. Reattach air supply (Figure 39, item AW) to center drive. Refer to "Conveyor Belt Tensioning" section on page 17 for more information.



Figure 39

6. Track conveyor and center drive if required. See "Center Drive Module Tracking" section on page 19 and "Conveyor Belt Tracking" section on page 19.

#### **Belt Installation for Conveyor with Stands**

#### **A** WARNING



Loosening stand height or angle adjustment screws may cause conveyor sections to drop down, causing severe injury.

When conveyors are used in conjunction with other equipment or as part of a multiple conveyor system, CHECK FOR POTENTIAL PINCH POINTS and other mechanical hazards before system start-up.

SUPPORT CONVEYOR SECTIONS PRIOR TO LOOSENING STAND HEIGHT OR ANGLE ADJUSTMENT SCREWS.

- 1. Ensure temporary support stands (Figure 37, item BO) are placed at both ends of the conveyor. See WARNING.
- 2. Orient belt so splice leading fingers (Figure 40, item BR) point in the direction of belt travel as identified by the conveyor directional label (BS).

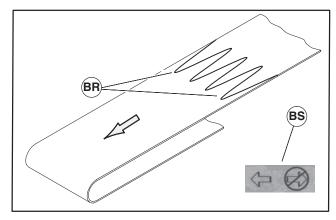


Figure 40

3. Install belt (Figure 41, item BJ) on conveyor. Lift conveyor slightly to avoid pinching belt on temporary support stands.

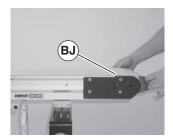


Figure 41

4. Re-install conveyor mounting brackets. Refer "Mounting Brackets" on page 9, steps 3 through 5.

- 5. Reverse steps 1 thru 13 of the "Belt Removal for Conveyors Without Stands" section on page 14.
- 6. If equipped, install wipers, return rollers and guiding.
- 7. Reattach air supply (Figure 42, item AW) to center drive. Refer to "Conveyor Belt Tensioning" section on page 17 for more information.



Figure 42

8. Track conveyor and center drive if required. See "Center Drive Module Tracking" section on page 19 and "Conveyor Belt Tracking" section on page 19.

#### **Conveyor Belt Tensioning**

#### **A WARNING**



Exposed moving parts can cause severe injury.

LOCK OUT POWER before removing guards or performing maintenance.

#### A - With Pneumatic Tensioning

- 1. Connect air supply (Figure 43, item AW) to regulator (BT).
- 2. Adjust regulator (Figure 43, item BT) until gage reads the appropriate pressure. See following table for suggested pressures.



Figure 43

Suggested Tensioning Air Pressure for LPZ & 3200 Series Flat Belt Center Drive Conveyors				
Width	Pressure			
4" (95 mm)	20 psi (138 kPa)			
6" (152 mm)	30 psi (207 kPa)			
8" (203 mm)	40 psi (276 kPa)			
10" (254 mm)	50 psi (345 kPa)			
14" (356 mm)	60 psi (414 kPa)			
18" (457 mm)	70 psi (483 kPa)			
24" (610 mm) & wider	80 psi (552 kPa)			

3. If proper belt tension cannot be achieved before the out of tension indicator (Figure 44, item BU) begins to turn red, the belt must be replaced.

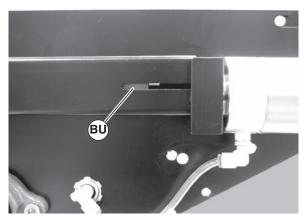
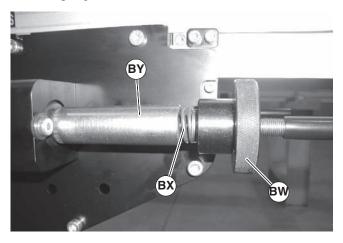


Figure 44

4. If belt tracking is necessary, refer to "Conveyor Belt Tracking" on page 19 and "Center Drive Module Tracking" on page 19.

#### **B** - With Manual Tensioning

1. Turn knurled knob (Figure 45, item BW) on each side of center drive unit clockwise until tensioning spring (BX) is completely behind spring cover (BY). There should be approximately 1/8" gap () between hand knob (BZ) and spring cover (BY).



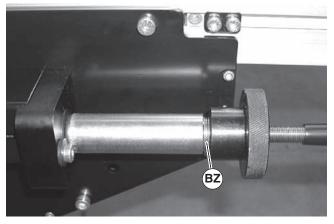


Figure 45

- 2. As normal belt stretch occurs over time, the spring (Figure 45, item BX) will be exposed out of the spring cover (BY). When the spring is exposed over 1/2" or if conveyor belt slippage occurs, retighten knurled hand knob (BW) on each side of center drive unit clockwise until tensioning spring is completely behind spring cover
- 3. If proper belt tension cannot be achieved before the out of tension indicator (Figure 44, item BU) begins to turn red, the belt must be replaced.
- 4. If belt tracking is necessary, refer to "Conveyor Belt Tracking" on page 19 and "Center Drive Module Tracking" on page 19.

#### **Conveyor Belt Tracking**

#### V-Guided Belts

V-guides on belts help maintain proper belt tracking. Track as needed to reduce belt bulge from center of belt (Figure 46). See steps below in "Non V-guided Belts" procedure for adjusting for any belt bulging. Belt bulge will be minimal when belt is properly tracked.



Figure 46

#### Non V-Guided Belts

Non V-guided belt conveyors are equipped with belt tracking assemblies.

When adjusting belt tracking, always adjust the discharge end of the conveyor first. To adjust belt tracking:

1. On the side of conveyor which the belt is tracking towards, loosen the head plate fastening screws (Figure 47, item CA).

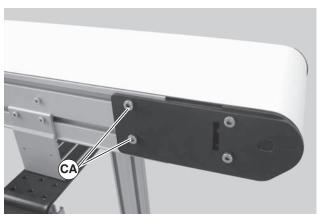


Figure 47

2. With the conveyor running, use wrench (Figure 48, item CB) to rotate the tracking screw (Figure 49, item CC) in small increments until the belt tracks in the center of the conveyor.

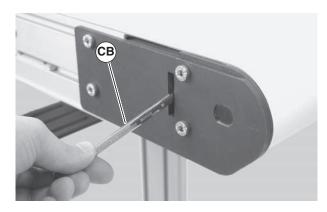


Figure 48

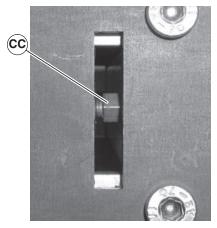


Figure 49

3. Re-tighten the head plate fastening screws (Figure 47, item CA) with a 5 mm hex-key wrench to 146 in-lb (16.5 Nm).

#### **Center Drive Module Tracking**

#### V-Guided Belts

V-guided belts do not require tracking adjustment.

#### Non V-Guided Belts

Non V-guided belt center drives are equipped with cam tracking assemblies.

To adjust center drive tracking, with the conveyor running:

Inspect belt as it exits the center drive:
 (Figure 50) – Normally tracked belt, do nothing
 (Figure 51) – Tracking necessary, adjust tight side cam



Figure 50



Figure 51

2. If necessary, adjust the tracking cam: loosen the center drive fastening screws (Figure 52, item CD) on the side of center drive to be tracked.

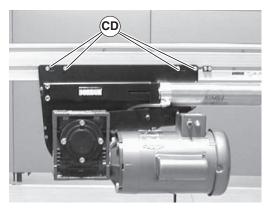


Figure 52

3. Rotate the tracking cam (Figure 53, item CE) in small increments, each time inspecting the belt as it exits the center drive. Continue to rotate the tracking cam until conveyor belt is tracking normally.

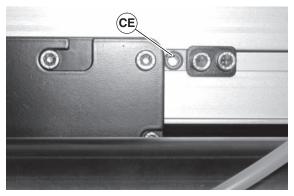


Figure 53

4. Tighten the center drive fastening screws (Figure 52, item CD) to 146 in-lbs (16.5 N-m).

#### **Conveyor Angle Adjustment**



Removing mounting brackets or adjustment screws without support under gearmotor and conveyor will cause conveyor to tip or drop, causing severe injury.

PROVIDE SUPPORT UNDERNEATH THE GEARMOTOR WHEN ADJUSTING THE CONVEYOR ANGLE



Exposed moving parts can cause severe injury.

LOCK OUT POWER before removing guards or performing maintenance.

1. Place temporary support (Figure 54, item CF) under conveyor sections.

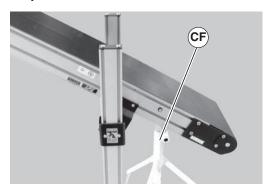


Figure 54

2. Loosen screws (Figure 55, item CG) on both sides of knuckle.

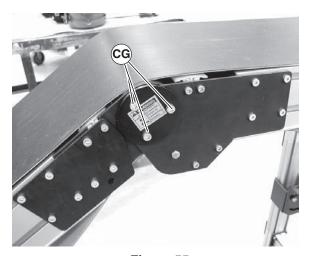


Figure 55

3. Move conveyor to desired angle as indicated by angle label (Figure 56, item CH).

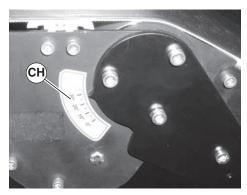


Figure 56

4. Tighten screws (Figure 55, item CG) on both sides of knuckle to 100 in–lbs (12 N–m).

#### **End and Knuckle Pulley Removal**

#### **A** WARNING



Exposed moving parts can cause severe injury.

LOCK OUT POWER before removing guards or performing maintenance.

#### **A** WARNING



Exposed moving parts can cause severe injury.

REMOVE COMPRESSED AIR SUPPLY before removing guards or performing maintenance.

1. Remove air supply and remove hose (Figure 57, item AW) from center drive.

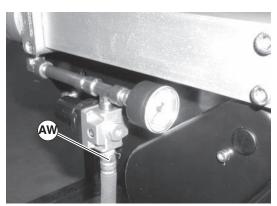


Figure 57

2. Temporarily support idler guard assembly (Figure 58, item AX). Remove screws (AY).

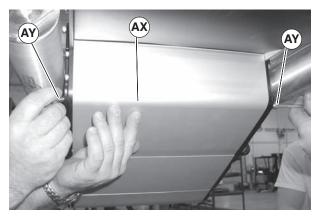


Figure 58

3. Swing down idler guard assembly (Figure 59, item AX).



Figure 59

Remove the desired pulley following the corresponding instructions below:

- A Idler Pulley Removal
- B Transfer Tail Pulley Removal
- C Knuckle Idler Pulley Removal
- D Knuckle Return Roller Removal

#### A – Idler Pulley Removal

1. Temporarily support the idler pulley.



Figure 60

2. On one side of conveyor, loosen the two (2) back fastening screws (Figure 61, item T) and remove two (2) front fastening screws (CI).

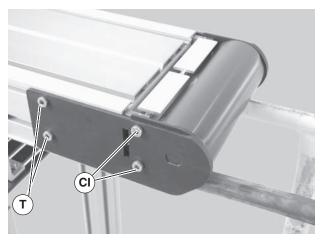


Figure 61

3. Pull back the outer headplate (Figure 62, item U) and remove the inner spacer (CJ).

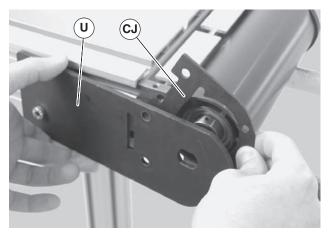


Figure 62

4. Slide the idler pulley assembly (Figure 63, item CK) out of the headplate on the opposite side.

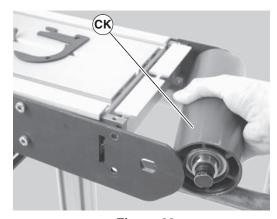


Figure 63

5. Remove the pulley shaft assembly: remove the clip ring (Figure 64, item CL) and washer (CM) from one side of the pulley assembly.

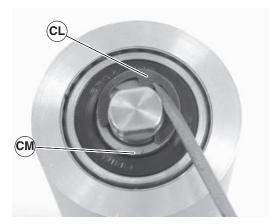


Figure 64

6. Slide the shaft assembly (Figure 65, item CN) out of the pulley (CK).

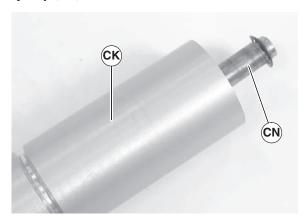


Figure 65

#### **B** – Transfer Tail Pulley Removal

1. Temporarily support the transfer tail assembly.



Figure 66

2. On one side of conveyor, loosen the two (2) back fastening screws (Figure 67, item T), and remove the two (2) front fastening screws (CI).

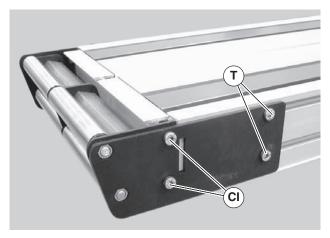


Figure 67

3. Pull back the outer headplate (Figure 68, item U) and remove the inner spacer (CJ).

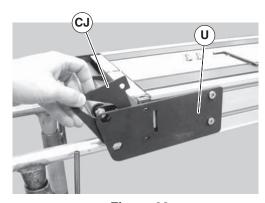


Figure 68

4. Slide the transfer tail pulley assembly (Figure 69, item CO) out of the headplate on the opposite side.

#### NOTE

Transfer tail assembly must be removed as on piece. Removal may require removing screws T of Figure 66 and headplate U of Figure 67 as shown in Figure 68

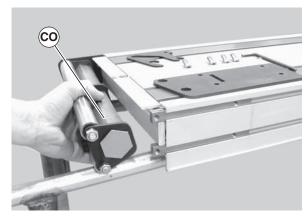


Figure 69

5. Remove hex nuts (Figure 70, item CP).



Figure 70

6. Remove support plates (Figure 71, item CQ) and washers (CR).

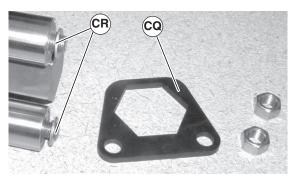


Figure 71

7. Remove pulleys (Figure 72, item CS) and additional washers (CT).

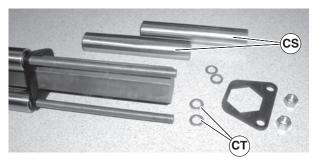


Figure 72

8. To remove additional pulleys, repeat steps 6 through 7.

#### C - Knuckle Idler Pulley Removal

- 1. Remove knuckle return roller and guard see "Knuckle Return Roller Removal" on page 25.
- 2. Temporarily support the knuckle idler pulley.



Figure 73

3. On one side of knuckle, remove screws (Figure 74, item CU) and knuckle plate assembly (CV).

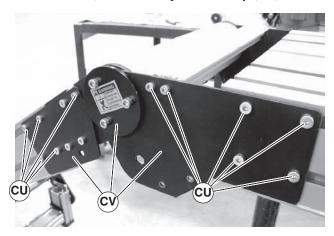


Figure 74

851-518 Rev. F

4. Slide the idler pulley assembly (Figure 75, item CW) out of the knuckle plate on the opposite side.

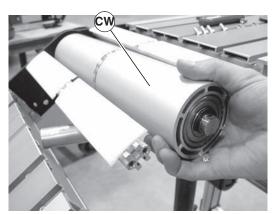


Figure 75

5. Remove the pulley shaft assembly: remove the clip ring (Figure 76, item CL) and washer (CM) from one side of the pulley assembly.

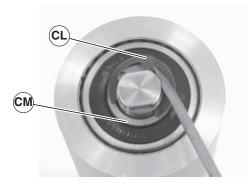


Figure 76

6. Slide the shaft assembly (Figure 65, item CN) out of the pulley (CW).



Figure 77

#### D - Knuckle Return Roller Removal

1. Remove screws (Figure 78, item BK) on both sides of knuckle and remove guard (BL).

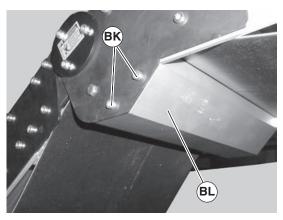


Figure 78

2. Push in hex posts (Figure 79, item BM) and remove pulley (BN).

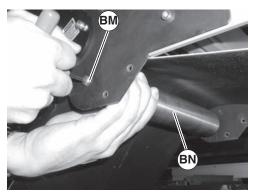


Figure 79

## **Center Drive Pulleys Removal**

# WARNING

Exposed moving parts can cause severe injury.

LOCK OUT POWER before removing guards or performing maintenance.

#### **A** WARNING



Exposed moving parts can cause severe injury.

REMOVE COMRESSED AIR SUPPLY before removing guards or performing maintenance.

- A Tensioner Pulley Removal
- B Idler Pulley Removal
- C Drive Pulley Removal

#### A - Tensioner Pulley Removal

1. Remove air supply and remove hose (Figure 80, item AW) from center drive.

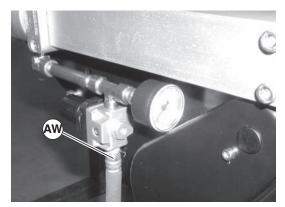


Figure 80

2. Remove screws (Figure 81, item BA) and tensioning guards (BB) from both sides of center drive.

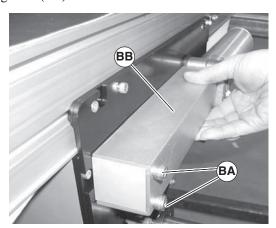


Figure 81

3. Temporarily support the tensioning roller guard (Figure 82, item BD). Remove screws (BC) on both sides of center drive and remove tensioning roller guard (Figure 82, item BD) and (Figure 83, item BD).

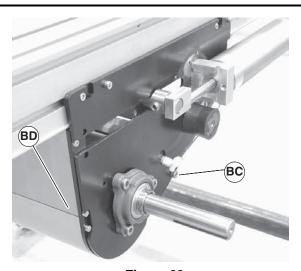


Figure 82

4. Loosen tensioning roller set screws (Figure 83, item BE) on one side of center drive.

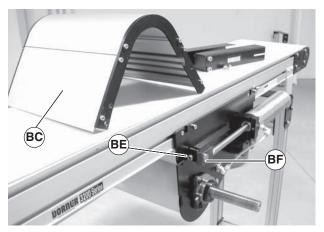


Figure 83

5. Push shaft (Figure 82, item BF) through block, slide block (Figure 84, item BG) towards air cylinder (BH).

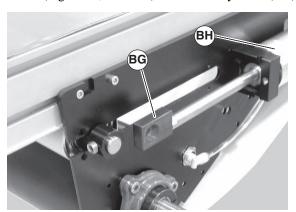


Figure 84

6. Push shaft (Figure 85, item BF) through block (BG) on opposite side of center drive, slide block toward air cylinder (BH).

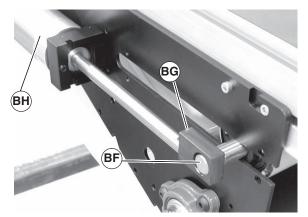


Figure 85

7. Slide out tensioning pulley (Figure 86, item BI).

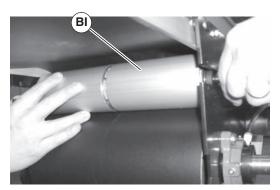


Figure 86

8. Remove the tension pulley locking collar (Figure 87, item CX), spacer (CY) and pulley shaft (CZ) from the roller pulley shaft assembly.

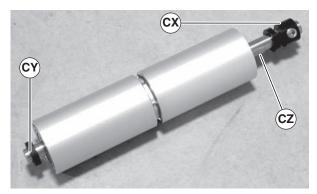


Figure 87

#### **B** – Idler Pulley Removal

1. Remove air supply and remove hose (Figure 88, item AW) from center drive.

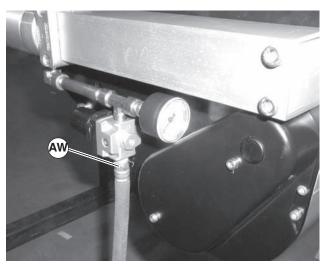


Figure 88

2. Temporarily support idler guard assembly (Figure 89, item AX). Remove screws (AY).

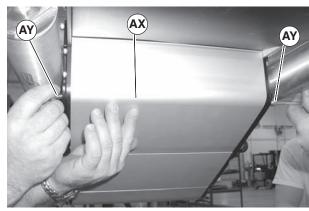


Figure 89

3. Swing down idler guard assembly (Figure 90, item AX). Remove screw (AZ) from both sides of center drive and remove idler guard assembly (AX).



Figure 90

4. Remove screws (Figure 91, item DA) and idler guide side plate (DB).

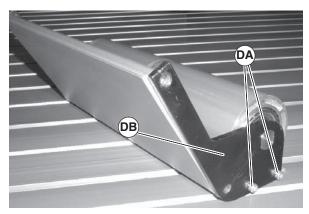


Figure 91

5. Slide the idler pulley assembly (Figure 92, item DC) out of the idler guide side plate on the opposite side.

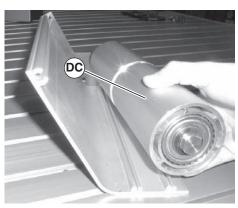


Figure 92

6. Remove the pulley shaft assembly: remove the clip ring (Figure 93, item CL) and washer (CM) from one side of the pulley assembly.

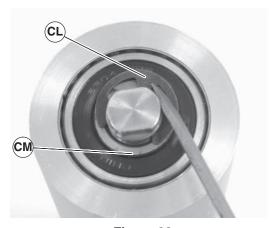


Figure 93

7. Slide the shaft assembly (Figure 94, item CN) out of the pulley (CK).

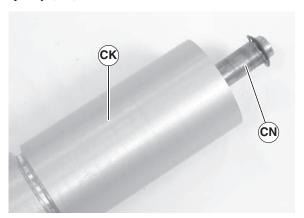


Figure 94

#### **C** – Drive Pulley Removal



Exposed moving parts can cause severe injury.

LOCK OUT POWER before removing guards or performing maintenance.

1. Remove air supply and remove hose (Figure 95, item AW) from center drive.

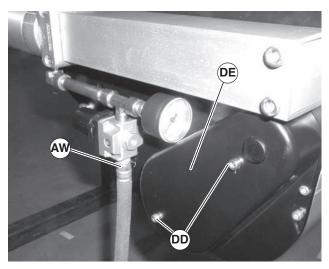


Figure 95

2. Remove screws (Figure 95, item DD) and guard (DE).

3. Remove screws (Figure 96, item DF) and remove gearmotor (DG) (Gearhead shown with motor removed for clarity, motor can remain attached to gearhead).

#### **NOTE**

Gearhead shown with motor removed for clarity, motor can remain attached to gearhead.

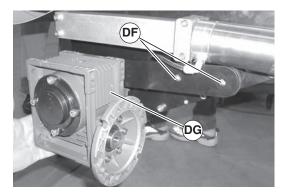


Figure 96

- 4. Remove spacer ring (Figure 97, item AS) and key (AO).
- 5. Reverse steps 3 thru 10 of the "Belt Removal for Conveyors Without Stands" section on page 14.

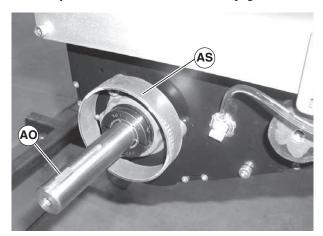


Figure 97

6. Loosen clamp screw (Figure 98, item DH) and remove bearing collar (DI).

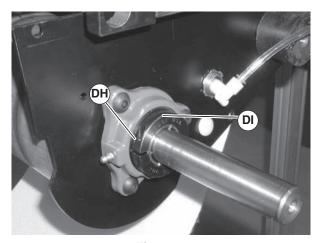


Figure 98

7. Disconnect flexible air hose (Figure 99, item DJ) from fitting (DK).

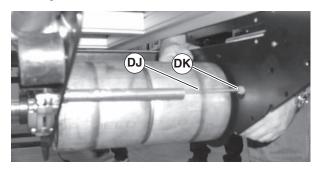


Figure 99

8. Temporarily support the drive pulley (Figure 100, item DL).

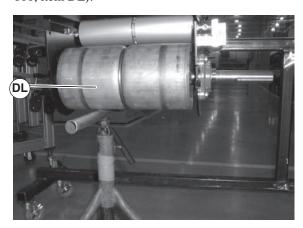


Figure 100

9. Loosen clamp screw (Figure 101, item DH) and remove bearing collar (DI).

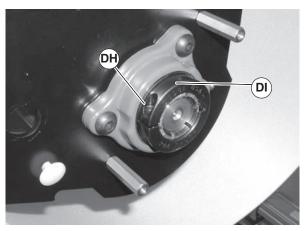


Figure 101

10. Remove screws (DM) and pull side plate assembly (DN) off conveyor.

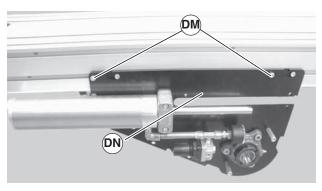


Figure 102

11. Slide drive pulley (Figure 103, item DL) out of attached side plate.

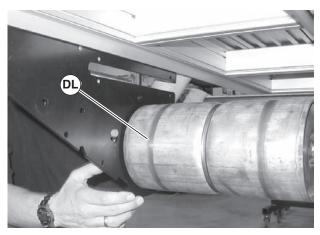


Figure 103

#### **Bearing Replacement**

#### **A** WARNING



Exposed moving parts can cause severe injury.

LOCK OUT POWER before removing guards or performing maintenance.

#### **A** WARNING



Exposed moving parts can cause severe injury.

REMOVE COMPRESSED AIR SUPPLY before removing guards or performing maintenance.

- A Idler Bearing
- B Drive Bearing
- C Transfer Tail Bearing
- D Knuckle Idler Bearing
- E Knuckle Return Roller Bearing

#### A – Idler Bearing Replacement

The bearings in a 3200 Series Idler Pulley can not be removed. Replace the entire pulley assembly when worn.

## B – Drive Bearing Removal and Replacement

#### **A** WARNING



Drive shaft keyway may be sharp. HANDLE WITH CARE.

#### **Drive Side Bearing**

1. Remove air supply (Figure 104, item AW) from center drive module.

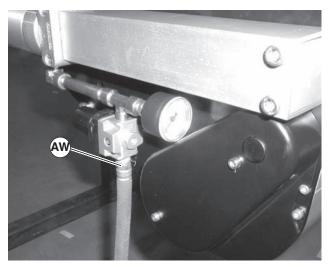


Figure 104

2. Remove screws (Figure 105, item DF) and remove gearmotor (DG) (Gearhead shown with motor removed for clarity, motor can remain attached to gearhead).

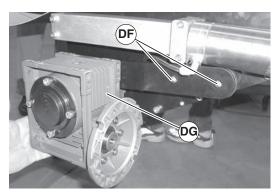


Figure 105

3. Remove spacer ring (Figure 106, item AS) and key (AO). Loosen clamp screw (DH) and remove bearing collar (DI).

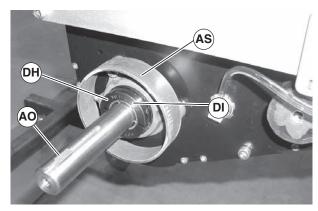


Figure 106

4. Remove the three (3) mounting screws (Figure 107, item DO).

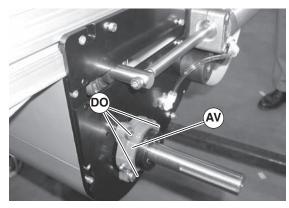


Figure 107

- 5. Remove and replace bearing housing assembly (Figure 107, item AV).
- 6. Tighten three (3) mounting screws (Figure 108, item DO) to 200 in–lbs (22.5 N–m).

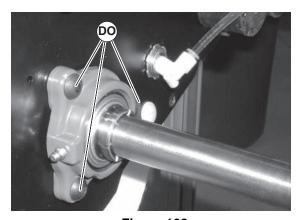


Figure 108

- 7. Reinstall bearing collar (Figure 106, item DI). Tighten clamp screw (DH) to 95 in–lbs (11 N–m).
- 8. Reinstall key (Figure 106, item AO).
- 9. Reinstall spacer ring (Figure 109, item AS) and gearmotor (DG). Tighten screws (Figure 105, item DF) to 150 in–lbs (17 N–m).

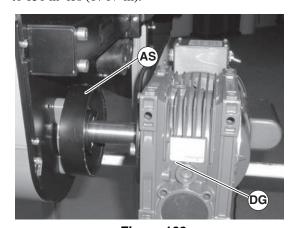


Figure 109

#### **Idler Side Bearing**

1. Remove air supply (Figure 110, item AW) from center drive module.

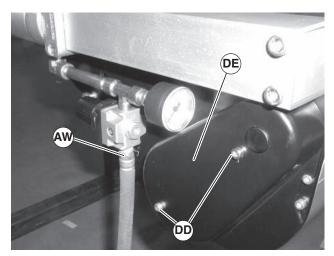


Figure 110

- 2. Remove screws (Figure 110, item DD) and cover (DE).
- 3. Loosen clamp screw (Figure 111, item DH) and remove bearing collar (DI).

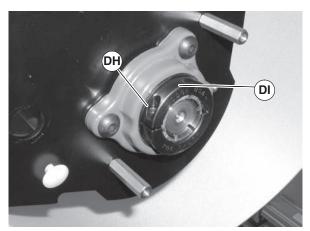


Figure 111

4. Remove the three (3) mounting screws (Figure 112, item DO).

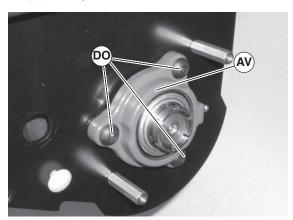


Figure 112

- 5. Remove and replace housing assembly (Figure 112, item AV).
- 6. Tighten three (3) mounting screws (Figure 112, item DO) to 200 in–lbs (22.5 N–m).
- 7. Reinstall bearing collar (Figure 111, item DI). Tighten clamp screw (DH) to 95 in—lbs (11 N—m).
- 8. Reinstall cover (Figure 110, item DE). Tighten screws (DD) to 69 in–lbs (8 N–m).

#### C - Transfer Tail Bearing Replacement

The bearings in a 3200 Series Transfer Tail Pulley can not be removed. Replace the entire pulley assembly when worn.

#### D – Knuckle Idler Bearing Replacement

The bearings in a 3200 Series Knuckle Idler Pulley can not be removed. Replace the entire pulley assembly when worn.

# E – Knuckle Return Roller Bearing Replacement

The bearings in a 3200 Series Knuckle Return Roller can not be removed. Replace the entire roller assembly when worn.

#### **Pulley Replacement**

#### **Idler Pulley**

To replace the idler pulley, reverse the "Idler Pulley Removal" procedure on page 22.

#### **Drive Pulley**

To replace the drive pulley, reverse the "Drive Pulley Removal" procedure on page 28.

#### **Transfer Tail Pulley**

To replace the transfer tail pulley, reverse the "Transfer Tail Pulley Removal" procedure on page 23.

#### **Knuckle Pulley**

To replace the knuckle pulley, reverse the "Knuckle Pulley Removal" procedure on page 24.

#### **Knuckle Return Roller**

To replace the knuckle return roller, reverse the "Knuckle Return Roller Removal" procedure on page 25.

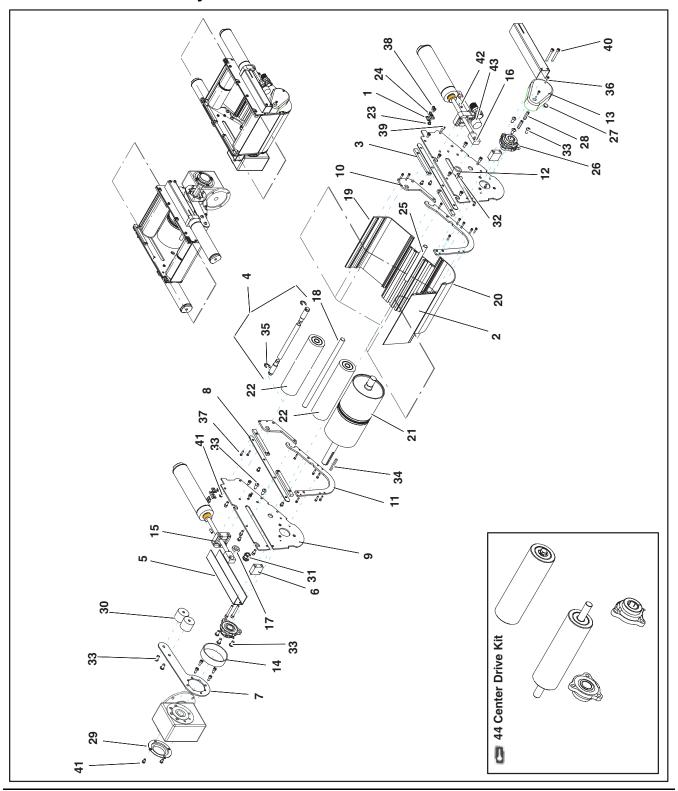
## **Notes**

## **Service Parts**

#### **NOTE**

For replacement parts other than those shown in this section, contact an authorized Dorner Service Center or the factory. Key Service Parts and Kits are identified by the Performance Parts Kits logo . Dorner recommends keeping these parts on hand.

#### **Center Drive Assembly**



## **Service Parts**

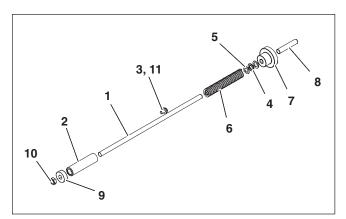
1         200038         Cam Clamping Plate           2         See Table 1         Flat Guard           3         301088         Tail Clamping Bar           4         3227WW         Wand Assy for 3" Idler Roller           5         301214         Cylinder Channel Guard           6         301216         Cylinder Guard Mounting Block           7         301217         Torsion Arm Plate           8         301218         Side Plate Spacer           9         301219         Center Drive Side Plate           10         301220         End Roller Mounting Plate           11         301221         Horseshoe Guard Mount Plate           12         301222         Center Drive Bearing Guard           14         301221         Horseshoe Guard Mounting Block           15         301355         Cylinder Mounting Block           16         301355         Cylinder Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Spacer           18         3242WW         Bottom End Guard           20         3244WW         Bottom End Guard           21         3283WW         Bottom Corner Guard	Item	Part Number	Description			
2         See Table 1         Flat Guard           3         301088         Tail Clamping Bar           4         3227WW         Wand Assy for 3" Idler Roller           5         301214         Cylinder Channel Guard           6         301216         Cylinder Guard Mounting Block           7         301217         Torsion Arm Plate           8         301218         Side Plate Spacer           9         301219         Center Drive Side Plate           10         301220         End Roller Mounting Plate           11         301221         Horseshoe Guard Mount Plate           12         301222         Center Drive Tension Pulley Spacer           13         301278         Center Drive Bearing Guard           14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley			·			
3         301088         Tail Clamping Bar           4         3227WW         Wand Assy for 3" Idler Roller           5         301214         Cylinder Channel Guard           6         301216         Cylinder Guard Mounting Block           7         301217         Torsion Arm Plate           8         301218         Side Plate Spacer           9         301219         Center Drive Side Plate           10         301220         End Roller Mounting Plate           11         301221         Horseshoe Guard Mount Plate           12         301222         Center Drive Tension Pulley Spacer           13         301278         Center Drive Bearing Guard           14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           23         200039P         Belt Tracking Cam <td></td> <td></td> <td></td>						
4         3227WW         Wand Assy for 3" Idler Roller           5         301214         Cylinder Channel Guard           6         301216         Cylinder Guard Mounting Block           7         301217         Torsion Arm Plate           8         301218         Side Plate Spacer           9         301219         Center Drive Side Plate           10         301220         End Roller Mounting Plate           11         301221         Horseshoe Guard Mount Plate           12         301222         Center Drive Tension Pulley Spacer           13         301278         Center Drive Bearing Guard           14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom End Guard           20         3244WW         Bottom End Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         20039P         Belt Tracking Cam						
5         301214         Cylinder Channel Guard           6         301216         Cylinder Guard Mounting Block           7         301217         Torsion Arm Plate           8         301218         Side Plate Spacer           9         301219         Center Drive Side Plate           10         301220         End Roller Mounting Plate           11         301221         Horseshoe Guard Mount Plate           12         301222         Center Drive Tension Pulley Spacer           13         301278         Center Drive Bearing Guard           14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         Bottom Corner Guard           22         3290WW         3" Center Drive Pulley           23         220039P         Belt Tracking Cam           24         200341M         Cam Retaining Block						
6         301216         Cylinder Guard Mounting Block           7         301217         Torsion Arm Plate           8         301218         Side Plate Spacer           9         301219         Center Drive Side Plate           10         301220         End Roller Mounting Plate           11         301221         Horseshoe Guard Mount Plate           12         301222         Center Drive Tension Pulley Spacer           13         301278         Center Drive Bearing Guard           14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom Corner Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube <td></td> <td></td> <td></td>						
7         301217         Torsion Arm Plate           8         301218         Side Plate Spacer           9         301219         Center Drive Side Plate           10         301220         End Roller Mounting Plate           11         301221         Horseshoe Guard Mount Plate           12         301222         Center Drive Tension Pulley Spacer           13         301278         Center Drive Bearing Guard           14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom Corner Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube			,			
8         301218         Side Plate Spacer           9         301219         Center Drive Side Plate           10         301220         End Roller Mounting Plate           11         301221         Horseshoe Guard Mount Plate           12         301222         Center Drive Tension Pulley Spacer           13         301278         Center Drive Bearing Guard           14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Spacer           18         3242WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802–138         3 Bolt Bearing           27         807–226         Snap Out Plastic Plug						
9         301219         Center Drive Side Plate           10         301220         End Roller Mounting Plate           11         301221         Horseshoe Guard Mount Plate           12         301222         Center Drive Tension Pulley Spacer           13         301278         Center Drive Bearing Guard           14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Spacer           18         3242WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802-138         3 Bolt Bearing           27         807-226         Snap Out Plastic Plug           28         807-1162         Hex Stand Off						
10         301220         End Roller Mounting Plate           11         301221         Horseshoe Guard Mount Plate           12         301222         Center Drive Tension Pulley Spacer           13         301278         Center Drive Bearing Guard           14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Spacer           18         3242WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802-138         3 Bolt Bearing           27         807-226         Snap Out Plastic Plug           28         807-1162         Hex Stand Off           29         807-1167         Gearhead Cover			'			
11         301221         Horseshoe Guard Mount Plate           12         301222         Center Drive Tension Pulley Spacer           13         301278         Center Drive Bearing Guard           14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802-138         3 Bolt Bearing           27         807-226         Snap Out Plastic Plug           28         807-1162         Hex Stand Off           29         807-1167         Gearhead Cover           30         812-061         Anti-rotation Bushing <tr< td=""><td></td><td></td><td></td></tr<>						
12         301222         Center Drive Tension Pulley Spacer           13         301278         Center Drive Bearing Guard           14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802-138         3 Bolt Bearing           27         807-226         Snap Out Plastic Plug           28         807-1162         Hex Stand Off           29         807-1167         Gearhead Cover           30         812-061         Anti-rotation Bushing           31         824-331         1/2" EMT Steel Connector			· ·			
13         301278         Center Drive Bearing Guard           14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom Corner Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802-138         3 Bolt Bearing           27         807-226         Snap Out Plastic Plug           28         807-1162         Hex Stand Off           29         807-1167         Gearhead Cover           30         812-061         Anti-rotation Bushing           31         824-331         1/2" EMT Steel Connector           32         825-160         1/4" BSPT Pipe Plug <td< td=""><td></td><td></td><td></td></td<>						
14         301281         Pipe Guard           15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom Corner Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802–138         3 Bolt Bearing           27         807–226         Snap Out Plastic Plug           28         807–1162         Hex Stand Off           29         807–1167         Gearhead Cover           30         812–061         Anti-rotation Bushing           31         824–331         1/2" EMT Steel Connector           32         825–160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm			, ,			
15         301355         Cylinder Mounting Block           16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802-138         3 Bolt Bearing           27         807-226         Snap Out Plastic Plug           28         807-1162         Hex Stand Off           29         807-1167         Gearhead Cover           30         812-061         Anti-rotation Bushing           31         824-331         1/2" EMT Steel Connector           32         825-160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm           34         912-111         Square Key <t< td=""><td></td><td></td><td>-</td></t<>			-			
16         301356         Cylinder-Rod Mounting Block           17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802-138         3 Bolt Bearing           27         807-226         Snap Out Plastic Plug           28         807-1162         Hex Stand Off           29         807-1167         Gearhead Cover           30         812-061         Anti-rotation Bushing           31         824-331         1/2" EMT Steel Connector           32         825-160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm           34         912-111         Square Key           35         915-265         E Retaining Ring           36 </td <td></td> <td></td> <td>•</td>			•			
17         301357         Tension Pulley Spacer           18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802–138         3 Bolt Bearing           27         807–226         Snap Out Plastic Plug           28         807–1162         Hex Stand Off           29         807–1167         Gearhead Cover           30         812–061         Anti-rotation Bushing           31         824–331         1/2" EMT Steel Connector           32         825–160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm           34         912–111         Square Key           35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37<						
18         3242WW         Tension Pulley Axle Shaft           19         3243WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802–138         3 Bolt Bearing           27         807–226         Snap Out Plastic Plug           28         807–1162         Hex Stand Off           29         807–1167         Gearhead Cover           30         812–061         Anti-rotation Bushing           31         824–331         1/2" EMT Steel Connector           32         825–160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm           34         912–111         Square Key           35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M6 x 10mm						
19         3243WW         Bottom End Guard           20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802–138         3 Bolt Bearing           27         807–226         Snap Out Plastic Plug           28         807–1162         Hex Stand Off           29         807–1167         Gearhead Cover           30         812–061         Anti-rotation Bushing           31         824–331         1/2" EMT Steel Connector           32         825–160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm           34         912–111         Square Key           35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M6 x 10mm           39         920816M         Socket Head Screw M8 x 60mm	17					
20         3244WW         Bottom Corner Guard           21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802–138         3 Bolt Bearing           27         807–226         Snap Out Plastic Plug           28         807–1162         Hex Stand Off           29         807–1167         Gearhead Cover           30         812–061         Anti-rotation Bushing           31         824–331         1/2" EMT Steel Connector           32         825–160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm           34         912–111         Square Key           35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M6 x 10mm           39         920610M         Socket Head Screw M8 x 16mm           40         920860M         Socket Head Screw M8 x 12mm	18	3242 <u>WW</u>	Tension Pulley Axle Shaft			
21         3287WW         6" Diameter Pulley           22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802–138         3 Bolt Bearing           27         807–226         Snap Out Plastic Plug           28         807–1162         Hex Stand Off           29         807–1167         Gearhead Cover           30         812–061         Anti-rotation Bushing           31         824–331         1/2" EMT Steel Connector           32         825–160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm           34         912–111         Square Key           35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M6 x 10mm           39         920816M         Socket Head Screw M8 x 16mm           40         920860M         Socket Head Screw M8 x 20mm           41         920892M         Low Head Screw M8 x 20mm </td <td>19</td> <td>3243<u>WW</u></td> <td>Bottom End Guard</td>	19	3243 <u>WW</u>	Bottom End Guard			
22         3290WW         3" Center Drive Pulley           23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802–138         3 Bolt Bearing           27         807–226         Snap Out Plastic Plug           28         807–1162         Hex Stand Off           29         807–1167         Gearhead Cover           30         812–061         Anti-rotation Bushing           31         824–331         1/2" EMT Steel Connector           32         825–160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm           34         912–111         Square Key           35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M6 x 10mm           39         920610M         Socket Head Screw M8 x 16mm           40         92080M         Socket Head Screw M8 x 60mm           41         920892M         Low Head Screw M8 x 20mm           42         970820M         Cup Set Screw M8 x 20mm	20	3244 <u>WW</u>	Bottom Corner Guard			
23         200039P         Belt Tracking Cam           24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802–138         3 Bolt Bearing           27         807–226         Snap Out Plastic Plug           28         807–1162         Hex Stand Off           29         807–1167         Gearhead Cover           30         812–061         Anti–rotation Bushing           31         824–331         1/2" EMT Steel Connector           32         825–160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm           34         912–111         Square Key           35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M6 x 10mm           39         920610M         Socket Head Screw M8 x 16mm           40         920816M         Socket Head Screw M8 x 60mm           41         920892M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy	21	3287 <u>WW</u>	6" Diameter Pulley			
24         200341M         Cam Retaining Block           25         See Table 1         Inner Shaft Tube           26         802–138         3 Bolt Bearing           27         807–226         Snap Out Plastic Plug           28         807–1162         Hex Stand Off           29         807–1167         Gearhead Cover           30         812–061         Anti–rotation Bushing           31         824–331         1/2" EMT Steel Connector           32         825–160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm           34         912–111         Square Key           35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M6 x 10mm           39         920610M         Socket Head Screw M8 x 16mm           40         920816M         Socket Head Screw M8 x 60mm           41         920892M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy           44         32CD-WW         Center Drive Kit (inclu	22	3290 <u>WW</u>	3" Center Drive Pulley			
25         See Table 1         Inner Shaft Tube           26         802–138         3 Bolt Bearing           27         807–226         Snap Out Plastic Plug           28         807–1162         Hex Stand Off           29         807–1167         Gearhead Cover           30         812–061         Anti–rotation Bushing           31         824–331         1/2" EMT Steel Connector           32         825–160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm           34         912–111         Square Key           35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M6 x 10mm           38         920610M         Socket Head Screw M8 x 16mm           40         920816M         Socket Head Screw M8 x 60mm           41         920890M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy           44         32CD-WW         Center Drive Kit (includes items 4, 18, 22 and 26)	23	200039P	Belt Tracking Cam			
26       802–138       3 Bolt Bearing         27       807–226       Snap Out Plastic Plug         28       807–1162       Hex Stand Off         29       807–1167       Gearhead Cover         30       812–061       Anti–rotation Bushing         31       824–331       1/2" EMT Steel Connector         32       825–160       1/4" BSPT Pipe Plug         33       911020M       Button Head Screw M10 x 20mm         34       912–111       Square Key         35       915–265       E Retaining Ring         36       920512M       Socket Head Screw M5 x 12mm         37       920520M       Socket Head Screw M6 x 10mm         38       920610M       Socket Head Screw M8 x 16mm         40       920860M       Socket Head Screw M8 x 60mm         41       920892M       Low Head Screw M8 x 20mm         41       920820M       Cup Set Screw M8 x 20mm         43       301213       Pneumatic Tension Assy         44       32CD-WW       Center Drive Kit (includes items 4, 18, 22 and 26)	24	200341M	Cam Retaining Block			
27         807–226         Snap Out Plastic Plug           28         807–1162         Hex Stand Off           29         807–1167         Gearhead Cover           30         812–061         Anti–rotation Bushing           31         824–331         1/2" EMT Steel Connector           32         825–160         1/4" BSPT Pipe Plug           33         911020M         Button Head Screw M10 x 20mm           34         912–111         Square Key           35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M6 x 10mm           38         920610M         Socket Head Screw M8 x 16mm           40         920816M         Socket Head Screw M8 x 60mm           41         920892M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy           44         32CD-WW         Center Drive Kit (includes items 4, 18, 22 and 26)	25	See Table 1	Inner Shaft Tube			
28       807–1162       Hex Stand Off         29       807–1167       Gearhead Cover         30       812–061       Anti–rotation Bushing         31       824–331       1/2" EMT Steel Connector         32       825–160       1/4" BSPT Pipe Plug         33       911020M       Button Head Screw M10 x 20mm         34       912–111       Square Key         35       915–265       E Retaining Ring         36       920512M       Socket Head Screw M5 x 12mm         37       920520M       Socket Head Screw M6 x 10mm         38       920610M       Socket Head Screw M8 x 16mm         40       920816M       Socket Head Screw M8 x 60mm         40       920890M       Socket Head Screw M8 x 20mm         41       920892M       Low Head Screw M8 x 20mm         42       970820M       Cup Set Screw M8 x 20mm         43       301213       Pneumatic Tension Assy         44       32CD-WW       Center Drive Kit (includes items 4, 18, 22 and 26)	26	802–138	3 Bolt Bearing			
29       807–1167       Gearhead Cover         30       812–061       Anti–rotation Bushing         31       824–331       1/2" EMT Steel Connector         32       825–160       1/4" BSPT Pipe Plug         33       911020M       Button Head Screw M10 x 20mm         34       912–111       Square Key         35       915–265       E Retaining Ring         36       920512M       Socket Head Screw M5 x 12mm         37       920520M       Socket Head Screw M6 x 10mm         38       920610M       Socket Head Screw M8 x 16mm         40       920816M       Socket Head Screw M8 x 60mm         40       920890M       Socket Head Screw M8 x 20mm         41       920892M       Low Head Screw M8 x 20mm         42       970820M       Cup Set Screw M8 x 20mm         43       301213       Pneumatic Tension Assy         44       32CD-WW       Center Drive Kit (includes items 4, 18, 22 and 26)	27	807–226	Snap Out Plastic Plug			
30       812–061       Anti–rotation Bushing         31       824–331       1/2" EMT Steel Connector         32       825–160       1/4" BSPT Pipe Plug         33       911020M       Button Head Screw M10 x 20mm         34       912–111       Square Key         35       915–265       E Retaining Ring         36       920512M       Socket Head Screw M5 x 12mm         37       920520M       Socket Head Screw M6 x 20mm         38       920610M       Socket Head Screw M8 x 16mm         40       920816M       Socket Head Screw M8 x 60mm         41       920892M       Low Head Screw M8 x 12mm         42       970820M       Cup Set Screw M8 x 20mm         43       301213       Pneumatic Tension Assy         44       32CD-WW       Center Drive Kit (includes items 4, 18, 22 and 26)	28	807–1162	Hex Stand Off			
31       824–331       1/2" EMT Steel Connector         32       825–160       1/4" BSPT Pipe Plug         33       911020M       Button Head Screw M10 x 20mm         34       912–111       Square Key         35       915–265       E Retaining Ring         36       920512M       Socket Head Screw M5 x 12mm         37       920520M       Socket Head Screw M6 x 10mm         38       920610M       Socket Head Screw M8 x 16mm         40       920816M       Socket Head Screw M8 x 60mm         41       920890M       Low Head Screw M8 x 20mm         41       920820M       Cup Set Screw M8 x 20mm         42       970820M       Cup Set Screw M8 x 20mm         43       301213       Pneumatic Tension Assy         44       32CD-WW       Center Drive Kit (includes items 4, 18, 22 and 26)	29	807–1167	Gearhead Cover			
32       825–160       1/4" BSPT Pipe Plug         33       911020M       Button Head Screw M10 x 20mm         34       912–111       Square Key         35       915–265       E Retaining Ring         36       920512M       Socket Head Screw M5 x 12mm         37       920520M       Socket Head Screw M5 x 20mm         38       920610M       Socket Head Screw M6 x 10mm         39       920816M       Socket Head Screw M8 x 16mm         40       920860M       Socket Head Screw M8 x 60mm         41       920892M       Low Head Screw M8 x 12mm         42       970820M       Cup Set Screw M8 x 20mm         43       301213       Pneumatic Tension Assy         44       32CD-WW       Center Drive Kit (includes items 4, 18, 22 and 26)	30	812-061	Anti-rotation Bushing			
33         911020M         Button Head Screw M10 x 20mm           34         912–111         Square Key           35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M6 x 20mm           38         920610M         Socket Head Screw M6 x 10mm           39         920816M         Socket Head Screw M8 x 16mm           40         920860M         Socket Head Screw M8 x 60mm           41         920892M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy           44         32CD-WW         Center Drive Kit (includes items 4, 18, 22 and 26)	31	824–331	1/2" EMT Steel Connector			
34         912–111         Square Key           35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M5 x 20mm           38         920610M         Socket Head Screw M6 x 10mm           39         920816M         Socket Head Screw M8 x 16mm           40         920860M         Socket Head Screw M8 x 60mm           41         920892M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy           44         32CD-WW         Center Drive Kit (includes items 4, 18, 22 and 26)	32	825-160	1/4" BSPT Pipe Plug			
35         915–265         E Retaining Ring           36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M5 x 20mm           38         920610M         Socket Head Screw M6 x 10mm           39         920816M         Socket Head Screw M8 x 16mm           40         920860M         Socket Head Screw M8 x 60mm           41         920892M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy           44         32CD-WW         Center Drive Kit (includes items 4, 18, 22 and 26)	33	911020M	Button Head Screw M10 x 20mm			
36         920512M         Socket Head Screw M5 x 12mm           37         920520M         Socket Head Screw M5 x 20mm           38         920610M         Socket Head Screw M6 x 10mm           39         920816M         Socket Head Screw M8 x 16mm           40         920860M         Socket Head Screw M8 x 60mm           41         920892M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy           44         32CD-WW         Center Drive Kit (includes items 4, 18, 22 and 26)	34	912–111	Square Key			
37       920520M       Socket Head Screw M5 x 20mm         38       920610M       Socket Head Screw M6 x 10mm         39       920816M       Socket Head Screw M8 x 16mm         40       920860M       Socket Head Screw M8 x 60mm         41       920892M       Low Head Screw M8 x 12mm         42       970820M       Cup Set Screw M8 x 20mm         43       301213       Pneumatic Tension Assy         44       32CD-WW       Center Drive Kit (includes items 4, 18, 22 and 26)	35	915–265	E Retaining Ring			
38         920610M         Socket Head Screw M6 x 10mm           39         920816M         Socket Head Screw M8 x 16mm           40         920860M         Socket Head Screw M8 x 60mm           41         920892M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy           44         32CD-WW         Center Drive Kit (includes items 4, 18, 22 and 26)	36	920512M	Socket Head Screw M5 x 12mm			
39         920816M         Socket Head Screw M8 x 16mm           40         920860M         Socket Head Screw M8 x 60mm           41         920892M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy           44         32CD-WW         Center Drive Kit (includes items 4, 18, 22 and 26)	37	920520M	Socket Head Screw M5 x 20mm			
40         920860M         Socket Head Screw M8 x 60mm           41         920892M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy           44         32CD-WW         Center Drive Kit (includes items 4, 18, 22 and 26)	38	920610M	Socket Head Screw M6 x 10mm			
41         920892M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy           44         32CD-WW         Center Drive Kit (includes items 4, 18, 22 and 26)	39	920816M	Socket Head Screw M8 x 16mm			
41         920892M         Low Head Screw M8 x 12mm           42         970820M         Cup Set Screw M8 x 20mm           43         301213         Pneumatic Tension Assy           44         32CD-WW         Center Drive Kit (includes items 4, 18, 22 and 26)	40	920860M	Socket Head Screw M8 x 60mm			
42 970820M Cup Set Screw M8 x 20mm 43 301213 Pneumatic Tension Assy 44 32CD-WW Center Drive Kit (includes items 4, 18, 22 and 26)	41		Low Head Screw M8 x 12mm			
43 301213 Pneumatic Tension Assy  44 32CD-WW Center Drive Kit (includes items 4, 18, 22 and 26)	42					
44 32CD- <u>WW</u> Center Drive Kit (includes items 4, 18, 22 and 26)	43		'			
	44		Center Drive Kit (includes items 4, 18,			
	<u>WW</u> =	EL and Loy				

Tab	Table 1 – Part Number Per Conveyor Width					
Conveyor Width	Item 2 – Flat Guard	Item 25 – Inner Shaft Tube				
14	300895-01399	301198-01009				
16	300895-01599	301198-01209				
18	300895-01799	301198-01409				
20	300895-01999	301198-01609				
22	300895-02199	301198-01809				
24	300895-02399	301198-02009				
26	300895-02599	301198-02209				
28	300895-02799	301198-02409				
30	300895-02999	301198-02609				
32	300895-03199	301198-02809				
34	300895-03399	301198-03009				
36	300895-03599	301198-03209				
38	300895-03799	301198-03409				
40	300895-03999	301198-03609				
42	300895-04199	301198-03809				
44	300895-04399	301198-04009				
46	300895-04599	301198-04209				
48	300895-04799	301198-04409				
50	300895-04999	301198-04609				
52	300895-05199	301198-04809				
54	300895-05399	301198-05009				
56	300895-05599	301198-05209				
58	300895-05799	301198-05409				
60	300895-05999	301198-05609				

Table 1 – Part Number Per Conveyor Width						
Conveyor Width	Item 2 – Flat Guard	Item 25 – Inner Shaft Tube				
4"	300895-00374	301164				
6"	300895-00599	301198-00209				
8"	300895-00799	301198-00409				
10	300895-00999	301198-00609				
12	300895-01199	301198-00809				

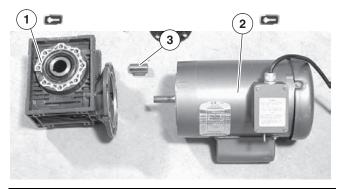
## **Service Parts**

#### **Center Drive Manual Tensioner**



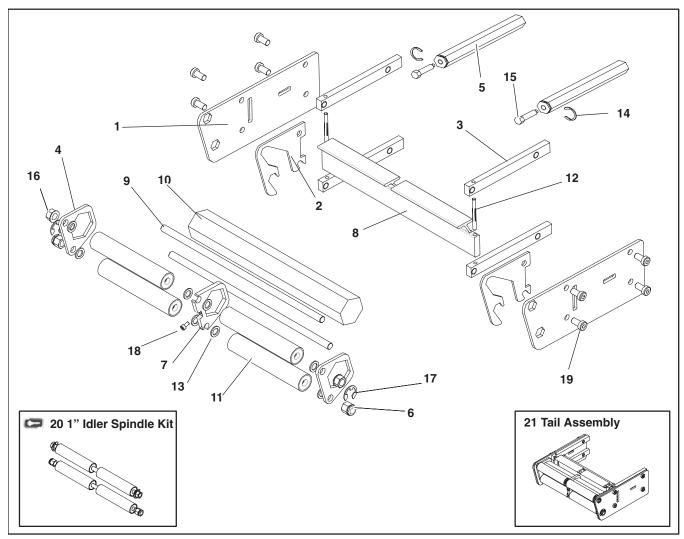
Item	Part Number	Description	
1	301410	Threaded Rod 1/2" x 17" Long	
2	3015 <u>WW</u>	Spring Cage (04" through 24" Wide Conveyor)	
	301524	Spring Cage (26" through 60" Wide Conveyor)	
3	605280P	Hard Washer	
4	802–139	Thrust Bearing Cage	
5	802-140	Thrust Bearing Washer	
6	807–1182	Spring – Blue (04" through 08" Wide Conveyor)	
	807–1183	Spring – Red (10" through 12" Wide Conveyor)	
	807–1184	Spring – Bronze (14" through 60" Wide Conveyor)	
7	807–1185	Knurled Knob	
8	807–1186	End Cap	
9	807–1187	Threaded Plug	
10	910-081	Hex Jam Nut 1/2"-20	
11	920893M	Low Head Cap Screw M8 x 16mm	
<u>WW</u> =	$\underline{WW}$ = Conveyor width reference: 04 – 60 in 02 increments		

# 3200 Center Drive 90º Industrial Gearmotors



Item	Part No.	Part Description
1	32M008HH	Gear Reducer, 7.5:1 NEMA 140TC
	32M010HH	Gear Reducer, 10:1 NEMA 140TC
	32M015HH	Gear Reducer, 15:1 NEMA 140TC
	32M020HH	Gear Reducer, 20:1 NEMA 140TC
	32M025HH	Gear Reducer, 25:1 NEMA 140TC
	32M030HH	Gear Reducer, 30:1 NEMA 140TC
	32M040HH	Gear Reducer, 40:1 NEMA 140TC
	32M050HH	Gear Reducer, 50:1 NEMA 140TC
	32M060HH	Gear Reducer, 60:1 NEMA 56C Gear
	32M080HH	Reducer, 80:1 NEMA 56C Gear
	32M100HH	Reducer, 100:1 NEMA 56C
2	62MS411FN	Motor, 0.25hp (0.19Kw), 115/230 Volts, 60 Hz, 1-Phase
	62MH411	Motor, 0.5hp (0.37Kw), 115/230 Volts, 60Hz, 1-Phase
	62MH423	Motor, 0.5hp (0.37Kw) 208–230/460 Volts, 60Hz, 3 Phase
	32MHH423FN10	Motor, 1 hp (0.75Kw), 230 Volts, 3 Phase
	32MS423EN	Motor, 0.5hp (0.37Kw), 230 Volts, 3 Phase Inverter Duty
	32MHH423EN10	Motor, 1hp (0.75Kw), 230 Volts, 3 Phase Inverter Duty
	32MHH423EN15	Motor, 1.5hp (1.1Kw), 230 Volts, 3 Phase Inverter Duty
	32MHH423FN15	Motor, 1.5hp (1.1Kw), 230 Volts, 3 Phase
	62MHD9DEN	Motor, 0.5hp (0.37Kw), 90 Volts DC
	62MHD9DEN75	Motor, 0.75hp (0.56Kw), 90 Volts DC
	32MHH423EN20	Motor, 2.0hp (1.5Kw), 230 Volts, 3 Phase Inverter Duty
	32MHH423FN20	Motor, 2.0hp (1.5Kw), 230 Volts, 3 Phase
	32MHH411EC10	Motor, 1.0hp (0.75Kw), 115 Volts, Integrated Controller
	32MHH411EC05	Motor, 0.5hp (0.37Kw), 115 Volts, Integrated Controller
3	820–329	Bushing Shaft Adapter, 56C to 140TC

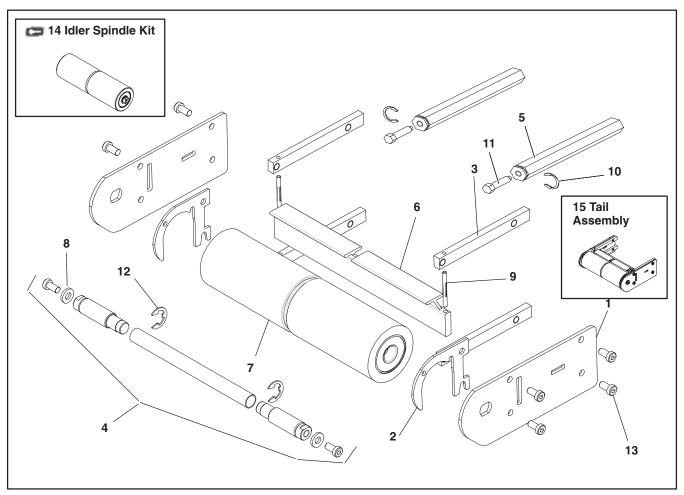
## **Transfer Tail Assembly**



Item	Part Number	Description
1	301082	Nosebar Cover Plate
2	301084	1" Inner Tail Plate
3	301088	Tail Bar Clamp
4	301090	Transfer Tail Support Plate
5	301196	Hex Tension Tracking Shaft
6	301352	Nut, E-ring, Brace
7	301354	Inner Transfer Tail Support Plate
8	3202 <u>WW</u>	Tail Articulation Bar
9	3217 <u>WW</u>	1" Idler Tail Axle Shaft
10	3219 <u>WW</u>	Roller Assy Support Bar
11	3237 <u>WW</u>	Transfer Tail Roller – (Qty. = 4 for 04–24 Wide, 8 for 26–48 Wide)
12	807–1125	Groove Pin
13	807–1136	Washer
14	807–1151	Retaining Ring
15	807–1152	Hex Head Cap Screw M6 x 20mm
16	910–203	3/8" Hex Nut
17	915–319	Retaining Ring
18	920408M	Hex Head Cap Screw M4 x 8mm

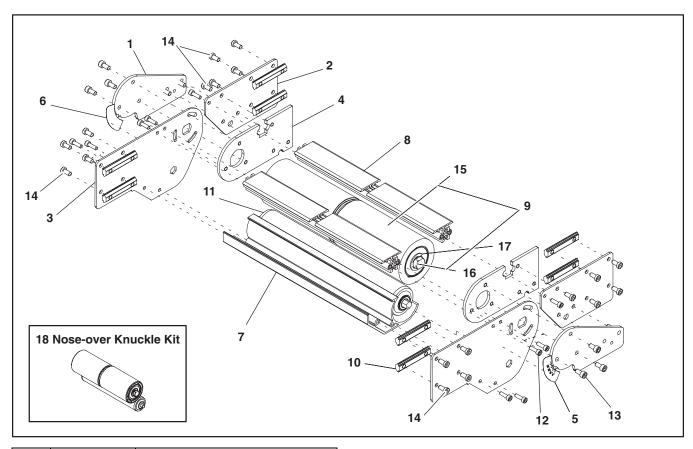
Item	Part Number	Description		
19	920893M	Low Head Socket Screw M8 x 16mm		
20	32T1- <u>WW</u>	1" Idler Spindle Kit (includes items 6, 9, 11, 13, 16 and 17)		
21	21 32TT1- <u>WW</u> Tail Assembly (includes items 1, 2, 3, 8, 10, 12 and 19)			
<u>WW</u> =	WW = Conveyor width reference: 04 – 48 in 02 increments			

### **Idler End Tail Assembly**



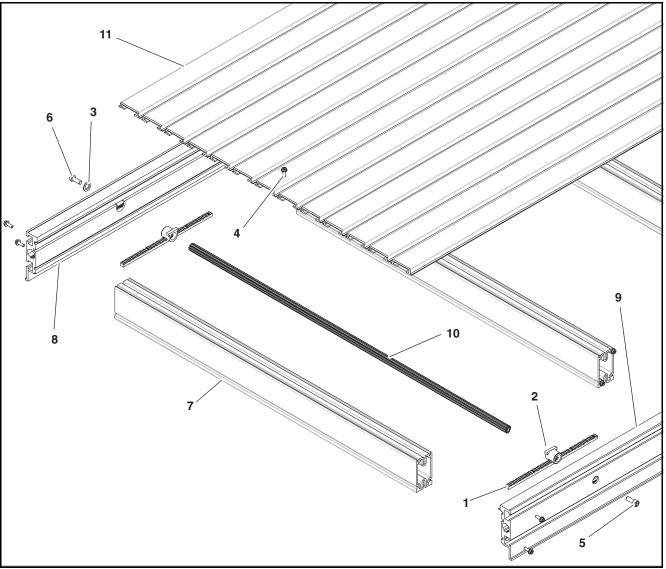
Item	Part Number	Description			
1	301049	Idler Cover Plate			
2	301083	Inner 3" Tail Plate			
3	301088	Tail Bar Clamp			
4	3282 <u>WW</u>	Idler Spindle Wand Assembly (includes items 8 and 12)			
5	301196	Hex Tension Tracking Shaft			
6	3202 <u>WW</u>	Tail Articulation Bar			
7	3289 <u>WW</u>	3" Idler Pulley			
8	605280P	Hard Washer			
9	807–1125	Groove Pin			
10	807–1151	Tracking Shaft Retaining Ring			
11	807–1152	Hex Head Cap Screw M6 x 20mm			
12	915–235	Stub Shaft Retaining Ring			
13	920893M	Low Head Socket Screw M8 x 16mm			
14	32T3- <u>WW</u>	Idler Spindle Kit (includes items 4 and 7)			
15	32TT3- <u>WW</u>	Tail Assembly (includes items 1 through 4, 6, 7, 9 and 13)			
WW =	WW = Conveyor width reference: 04 – 48 in 02 increments				

### **Knuckle Assembly**



Item	Part Number	Description		
1	300657	Slots Pointer Cover Disc		
2	301155	Short LPZ Cover Plate		
3	301156	Flat Upper Outside Plate		
4	301160	LPZ Inside Pivot Plate		
5	301223	LH Angle Label 0-35		
6	301224	RH Angle Label 0-35		
7	3225 <u>WW</u>	Return Roller Cover		
8	3276 <u>WW</u>	Belt Support Rail Assy		
9	3285 <u>WW</u>	LPZ-CD Idler Pulley Assy (includes		
		items 15 and 16)		
10	300150M	Drop In Tee Bar		
11	3252 <u>WW</u>	Return Roller		
12	920516M	Socket Head Screw M5 x 16mm		
13	920612M	Socket Head Screw M6 x 12mm		
14	920692M	Socket Low Head Screw M6 x 12mm		
15	3289 <u>WW</u>	3" Idler Pulley		
16	3283 <u>WW</u>	Idler Shaft Assembly		
17	915–235	Retaining Ring		
18	LPZNO- <u>WW</u>	Nose Over Knuckle Kit (includes items		
		11, 15 and 16)		
<u>WW</u> =	<u>WW</u> = Conveyor width reference: 04 – 48 in 02 increments			

#### **Frame Assembly**



Item	Part Number	Description
1	3229 <u>WW</u>	Rack Gear
2	240420	Pinion Bearing
3	301091	Washer
4	605279P	Flange Socket Screw M4 x 16mm
5	920483M	Socket Head Screw M6 x 16mm
6	920616M	Low Head Socket Screw M6 x 16mm
7	920693M	Cross Support Rail
8	3245 <u>WW</u>	RH Side Rail
9	301041-	LH Side Rail
	LLLLL	
10	301042-	Pinion
	<u>LLLLL</u>	
11		Bed Plate Rail

<u>WW</u> = Conveyor width refrence: 04 - 48 in 02 increments <u>LLLL</u> = Frame Length (see Bed Plate & Frame Formulas)

	Item 11: Bed Plate Rail					
Width Part Number						
1.75" (mm)	300887- <u>LLLLL</u>					
2" (54mm)	300888- <u>LLLLL</u>					
4" (102mm)	300889- <u>LLLLL</u>					
6" (152mm)	300890- <u>LLLLL</u>					
LLLLL = Bed Plate Length (see Bed Plate & Frame Formulas)						

#### **Bed Plate and Frame Formulas**

#### **Bed Plate and Frame Formulas**

Bed Plate LLLLL = Frame LLLLL - 00013

Frame LLLLL = Conveyor Length LLLL X 12 - Tail Adder

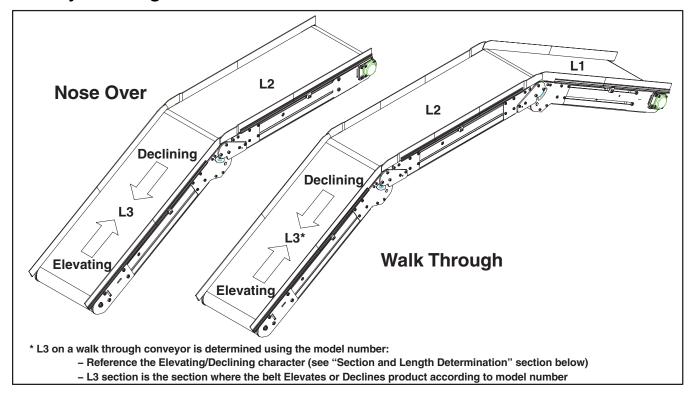
# of Sections of Conveyor

Tail Adder = 00600 for each Tension End

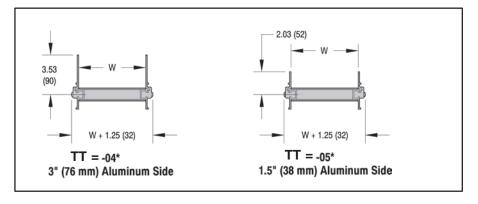
00425 for each Non-Tension End 00600 for each Knuckle Attachment

Width		Bed Plate Configuration											
4"							1.75"						
6"							4"						
8"							6"						
10"						2"	4"	2"					
12"						2"	6"	2"					
14"						4"	4"	4"					
16"						4"	6"	4"					
18"						6"	4"	6"					
20"						6"	6"	6"					
22"					4"	4"	4"	4"	4"				
24"					4"	4"	6"	4"	4"				
26"					6"	4"	4"	4"	6"				
28"					6"	4"	6"	4"	6"				
30"					6"	6"	4"	6"	6"				
32"					6"	6"	6"	6"	6"				
34"				4"	4"	6"	4"	6"	4"	4"			
36"				4"	4"	6"	6"	6"	4"	4"			
38"				4"	6"	6"	4"	6"	6"	4"			
40"				4"	6"	6"	6"	6"	6"	4"			
42"				6"	6"	6"	4"	6"	6"	6"			
44"				6"	6"	6"	6"	6"	6"	6"			
46"			4"	4"	6"	6"	4"	6"	6"	4"	4"		
48"			4"	4"	6"	6"	6"	6"	6"	4"	4"		
50"			4"	6"	6"	6"	4"	6"	6"	6"	4"		
52"			4"	6"	6"	6"	6"	6"	6"	6"	4"		
54"			6"	6"	6"	6"	4"	6"	6"	6"	6"		
56"			6"	6"	6"	6"	6"	6"	6"	6"	6"		
58"		4"	4"	6"	6"	6"	4"	6"	6"	6"	4"	4"	
60"		4"	4"	6"	6"	6"	6"	6"	6"	6"	4"	4"	
62"		4"	6"	6"	6"	6"	4"	6"	6"	6"	6"	4"	
64"		4"	6"	6"	6"	6"	6"	6"	6"	6"	6"	4"	
66"		6"	6"	6"	6"	6"	4"	6"	6"	6"	6"	6"	
68"		6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	
70"	4"	4"	6"	6"	6"	6"	4"	6"	6"	6"	6"	4"	4"
72"	4"	4"	6"	6"	6"	6"	6"	6"	6"	6"	6"	4"	4"

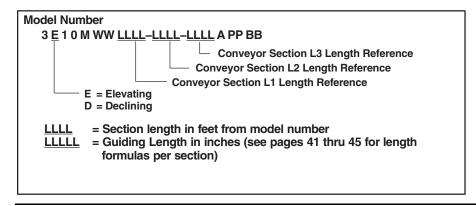
#### **Conveyor Configurations**



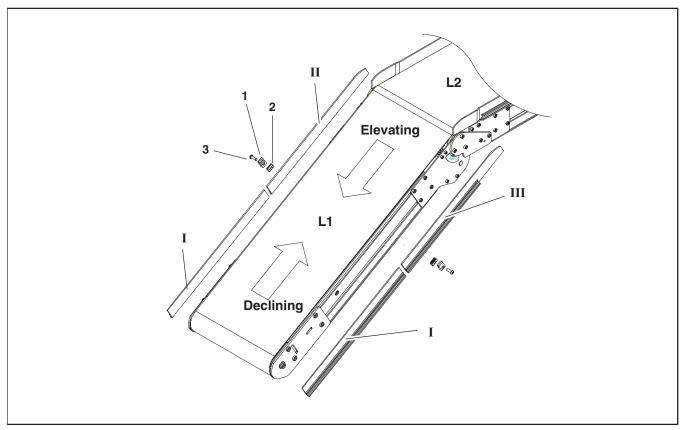
### **Guiding Options (TT)**



### **Section and Length Determination**



## Walk Through Frame – Section L1



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	639971M	Single Drop-in Tee Bar

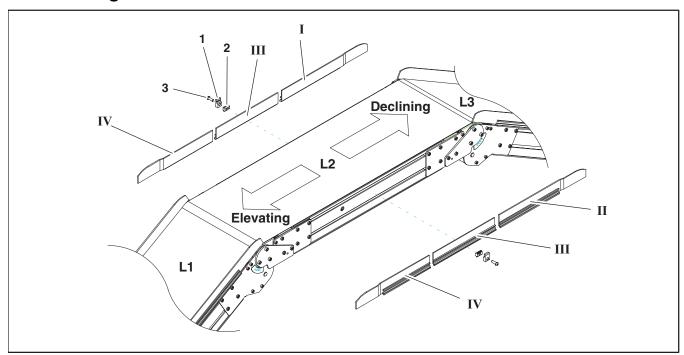
Item	Part Number	Description
3	920694M	Socket Head Screw M6 x 20mm

### **Elevating Belt Travel**

Section L1 Length – LLLL	I	II	III	
0200 No Guiding Section		38TT17	38TT18	
0201 – 0399	38TT00- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT17- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT18- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	
0400 and up	38TT00- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 12) – 02400	38TT17	38TT18	
For TT options see "Guide Options" section on page 42				

Section L1 Length – <u>LLLL</u>	I	II	III		
0200	No Guiding Section	38TT15	38TT16		
0201 – 0399	38TT00- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT15- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT16- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038		
0400 and up 38TT00- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 38TT15 38TT16 12) - 02400					
For TT options see "Guide Options" section on page 42					

### Walk Through Frame – Section L2



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	639971M	Single Drop-in Tee Bar

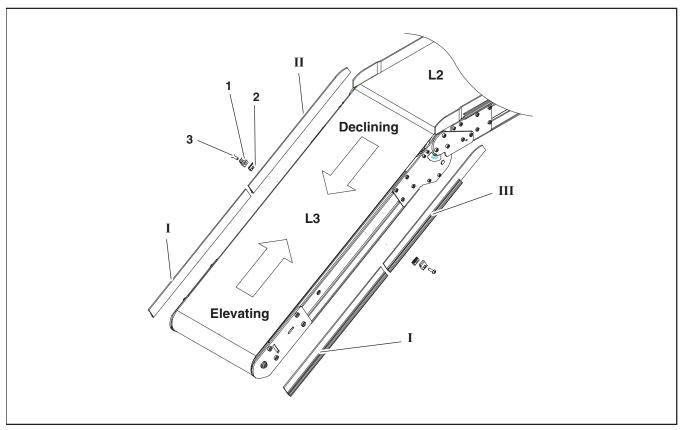
Item	Part Number	Description
3	920694M	Socket Head Screw M6 x 20mm

### **Elevating Belt Travel**

Section L2 Length – <u>LLLL</u>	I	II	III	IV	V
0200 – 0383	38TT17- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00075	38TT18- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00075	No Guiding Section	38TT15- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00075	38TT16- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00075
0384 – 0600	38TT17- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 4) + 00050	38TT18- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 4) + 00050	38TT00- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 4) + 00050	38TT15- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 4) + 00050	38TT16- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 4) + 00050
0601 and up	38TT17	38TT18	38TT00- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 12) - 04600	38TT15	38TT16
For TT options see	"Guide Options" section	on page 42			

Section L2 Length – <u>LLLL</u>	I	II	III	IV	V
0200 – 0373	38TT15- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00075	38TT16- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00075	No Guiding Section	38TT17- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00075	38TT18- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00075
0373 – 0600	38TT15- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 4) + 00050	38TT16- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 4) + 00050	38TT00- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 4) + 00050	38TT17- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 4) + 00050	38TT18- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 4) + 00050
0601 and up	38TT15	38TT16	38TT00- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 12) - 04600	38TT17	38TT18
For TT options see	For TT options see "Guide Options" section on page 42				

## **Walk Through Frame – Section L3**



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	639971M	Single Drop-in Tee Bar

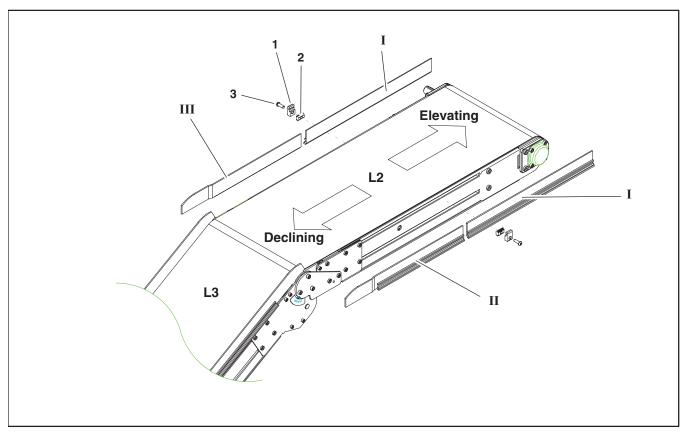
Item	Part Number	Description
3	920694M	Socket Head Screw M6 x 20mm

### **Elevating Belt Travel**

Section L3 Length – <u>LLLL</u>	l	<b>"</b>	III
0200	No Guiding Section	38TT15	38TT16
0201 – 0399	38TT00- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT15- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT16- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038
0400 and up	38TT00- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 12) – 02400	38TT15	38TT16

Section L3 Length – <u>LLLL</u>	I	II	III
0200	No Guiding Section	38TT17	38TT18
0201 – 0399	38TT00- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT17– <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT18- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038
0400 and up	38TT00- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 12) – 02400	38TT17	38TT18
For TT options see "Guide Option	s" section on page 42		

### **Nose Over Frame – Section L2**



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	639971M	Single Drop-in Tee Bar

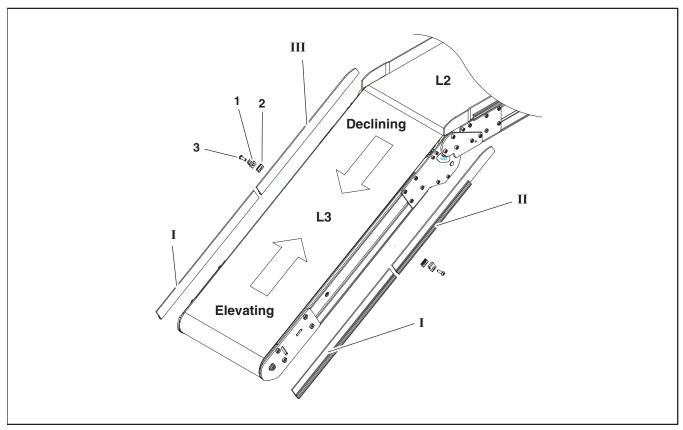
3 920694M Socket Head Screw M6 x 20mm	Item	Part Number	Description
	3	920694M	Socket Head Screw M6 x 20mm

### **Elevating Belt Travel**

Section L2 Length – LLLL	I	II	III
0200	No Guiding Section	38TT17	38TT18
0201 – 0399	38TT00- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT17- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT18- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038
0400 and up 38TT00- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 38TT17 38TT18 12) - 02400			
For TT options see "Guide Option	s" section on page 42		

Section L2 Length – LLLL	I	II	III
0200	No Guiding Section	38TT15	38TT16
0201 – 0399	38TT00- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT15- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT16- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038
0400 and up 38TT00- <u>LLLLL LLLLL</u> = ( <u>LLLL x</u> 38TT15 38TT16			38TT16
For TT options see "Guide Option	s" section on page 42		

### **Nose Over Frame – Section L3**



Item	Part Number	Description
1	200121	Guide Retaining Clip
2	639971M	Single Drop-in Tee Bar

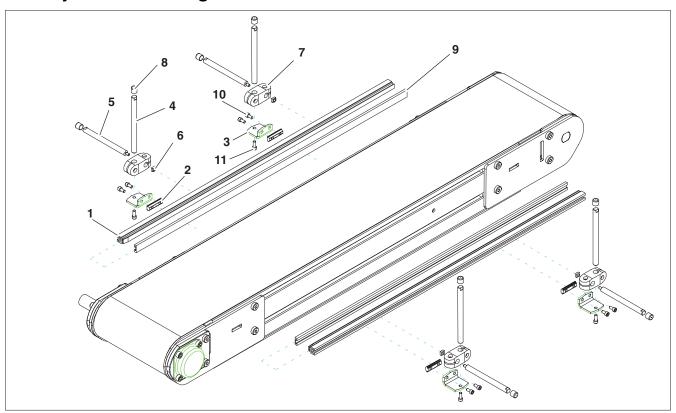
Item	Part Number	Description
3	920694M	Socket Head Screw M6 x 20mm

### **Elevating Belt Travel**

Section L3 Length – LLLL	I	II	III
0200	No Guiding Section	38TT15	38TT16
0201 – 0399	38TT00- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT15- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT16- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038
0400 and up 38TT00- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 12) - 02400		38TT15	38TT16
For TT options see "Guide Options" section on page 42			

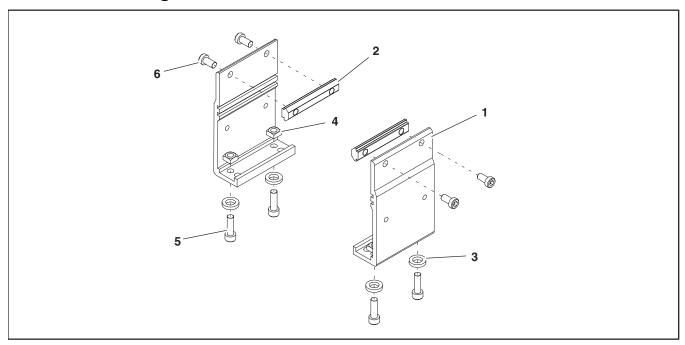
Section L3 Length – LLLL	I	II	III
0200	No Guiding Section	38TT17	38TT18
0201 – 0399	38TT00- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT17- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038	38TT18- <u>LLLLL</u> <u>LLLLL</u> = ( <u>LLLL</u> x 6) + 00038
0400 and up 38TT00- <u>LLLLL LLLLL</u> = ( <u>LLLL</u> x 12) - 02400		38TT17	38TT18
For TT options see "Guide Options" section on page 42			

## -13 Adjustable Guiding



Item	Part Number	Description
1	202983	Aluminum Profile Guide 2' (610mm)
	202984	Aluminum Profile Guide 3' (914mm)
	202985	Aluminum Profile Guide 4' (1219mm)
	202986	Aluminum Profile Guide 5' (1524mm)
	202987	Aluminum Profile Guide 6' (1829mm)
	202988	Aluminum Profile Guide 7' (2134mm)
	202989	Aluminum Profile Guide 8' (2438mm)
	202990	Aluminum Profile Guide 9' (2743mm)
	202991	Aluminum Profile Guide 10' (3048mm)
	202992	Aluminum Profile Guide 11' (3353mm)
	202993	Aluminum Profile Guide 12' (3658mm)
	202994	Aluminum Profile Guide 13' (3962mm)
2	200830M	Drop-In Tee Bar
3	202004	Mounting Bracket
4	202027M	Guide Mounting Shaft Vertical
5	202028M	Guide Mounting Shaft Horizontal
6	674175MP	Square Nut
7	807–652	Cross Block
8	807–948	Vinyl Shaft Cap
9	614068P	Flat Extruded Guide (per foot)
10	920612M	Socket Head Screw M6 x 12mm
11	920616M	Socket Head Screw M6 x 16mm

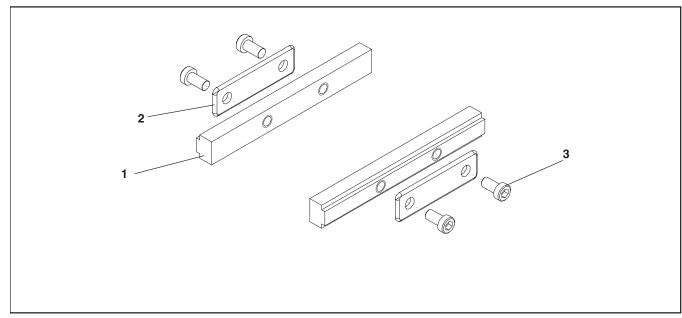
## Flat Belt Mounting Brackets



Ī	Item	Part Number	Description
ĺ	1	240831	Stand Mount
ĺ	2	300150M	Drop-In Tee Bar
Ī	3	605279P	Washer

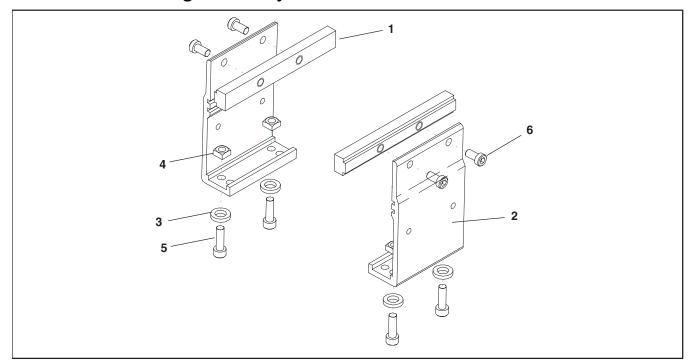
Item	Part Number	Description
4	807–920	Square Nut M6 5mm x 10mm
5	920620M	Socket Head Screw M6 x 20mm
6	920692M	Socket Head Screw M6 x 12mm

## **Connecting Assembly without Stand Mount**



Item	Part Number	Description
1	240858	Frame Bar Connector
2	240859	Intermediate Clamp Plate
3	920692M	Socket Head Screw M6 x 12mm

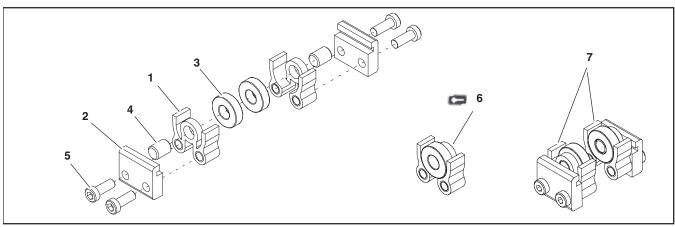
### **Flat Belt Connecting Assembly with Stand Mount**



Item	Part Number	Description
1	240858	Frame Connector Bar
2	240837	Stand Mount Joint
3	605279P	Washer

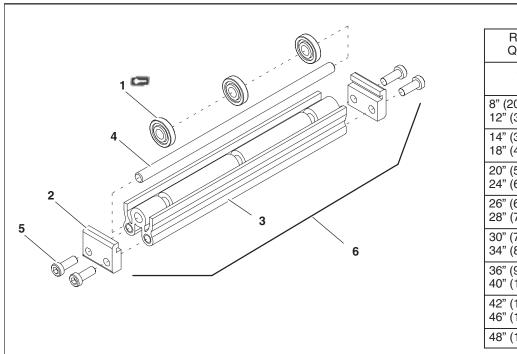
Item	Part Number	Description
4	807–920	Square Nut M6 5mm x 10mm
5	920620M	Socket Head Screw M6 x 20mm
6	920692M	Socket Head Screw M6 x 12mm

## 4" (102 mm) to 6" (152 mm) Flat Belt Return Roller



Item	Part Number	Description
1	240825	Return Roller Guard – Short
2	240827	Return Roller Clip
3	802-027	Bearing
4	913–100	Dowel Pin
5	920693M	Socket Low Head Screw M6 x 16mm
6	240840	Roller Assembly (Includes Items 1, 3 and 4)
7	240830	4" (102mm) to 6" (152mm) Flat Belt Return Roller Assy

### 8" (203 mm) to 48" (1219 mm) Flat Belt Return Roller



Return Roller Bearing Quantity Chart (Item 1)		
Width	Bearing Quantity	
8" (203mm) – 12" (305mm)	3	
14" (356mm) – 18" (457mm)	4	
20" (508mm) – 24" (610mm)	5	
26" (660mm) – 28" (711mm)	6	
30" (762mm) – 34" (864mm)	7	
36" (914mm) – 40" (1016mm)	8	
42" (1067mm) – 46" (1168mm)	9	
48" (1219mm)	10	

Item	Part Number	Description
1	240826	Return Roller Bearing
2	240827	Return Roller Clip
3	2409 <u>WW</u>	Return Roller Guard
4	2410 <u>WW</u>	Return Roller Rod

Item	Part Number	Description
5	920693M	Socket Head Screw M6 x 16mm
6	2408 <u>WW</u>	8" (203mm) – 48" (1219mm) Flat Belt Return Roller Assembly
WW = Conveyor width reference: 08 – 48 in 02 increments		

### **Conveyor Belt Part Number Configuration**

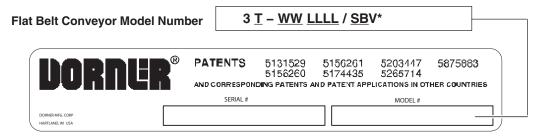
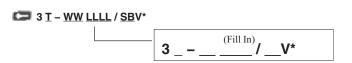


Figure 113

#### **Flat Belt Part Number Configuration**

Refer to Dorner patent plate (Figure 113). From the model number, determine tail type ("T"), width ("WW"), length ("LLLL"), splice type ("S") and belt type ("B"). Use data to configure belt part number as indicated below. \*Add "V" for V-guided belts.



### **Return Policy**

Returns must have prior written factory authorization or they will not be accepted. Items that are returned to Dorner without authorization will not be credited nor returned to the original sender. When calling for authorization, please have the following information ready for the Dorner factory representative or your local distributor:

- 1. Name and address of customer.
- 2. Dorner part number(s) of item(s) being returned.
- 3. Reason for return.
- 4. Customer's original order number used when ordering the item(s).
- 5. Dorner or distributor invoice number.

A representative will discuss action to be taken on the returned items and provide a Returned Goods Authorization number for reference.

There will be a return charge on all new undamaged items returned for credit where Dorner was not at fault. Dorner is not responsible for return freight on such items.

Conveyors and conveyor accessories

Standard catalog conveyors

MPB Series, cleated and specialty belt conveyors

7400 & 7600 Series conveyors

Engineered special products

Drives and accessories

Sanitary stand supports

30%

30%

30%

30%

30%

30%

30%

**Parts** 

Standard stock parts 30% MPB, cleated and specialty belts non-returnable items

Returns will not be accepted after 60 days from original invoice date.

The return charge covers inspection, cleaning, disassembly, disposal and reissuing of components to inventory.

If a replacement is needed prior to evaluation of returned item, a purchase order must be issued. Credit (if any) is issued only after return and evaluation is complete.

Dorner has representatives throughout the world. Contact Dorner for the name of your local representative. Our Technical Sales, Catalog Sales and Service Teams will gladly help with your questions on Dorner products.

For a copy of Dorner's Warranty, contact factory, distributor, service center or visit our website at www.dorner.com.

For replacement parts, contact an authorized Dorner Service Center or the factory.



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