



2200 and 2300 Series Center Mount Drive Package for SEW 60 Hz Gearmotors

Setup, Operation & Maintenance 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

For other service manuals visit our website at:
www.dorner.com/service_manuals.asp

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Introduction

IMPORTANT

<i>Some illustrations may show guards removed. Do NOT operate equipment without guards.</i>

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 2200 Series conveyors are covered by patent number 5174435 and corresponding patents and patent applications in other countries.

Dorner's Limited Warranty applies.

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

WARNING

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

DANGER



Climbing, sitting, walking or riding on conveyor will cause severe injury. **KEEP OFF CONVEYORS.**

DANGER



DO NOT OPERATE CONVEYORS IN AN EXPLOSIVE ENVIRONMENT.

WARNING



Exposed moving parts can cause severe injury. **LOCK OUT POWER** before removing guards or performing maintenance.

WARNING



Gearmotors may be **HOT**.
DO NOT TOUCH Gearmotors.

WARNING



Exposed moving parts can cause severe injury. **REPLACE ALL GUARDS BEFORE RUNNING CONVEYOR.**

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.

Product Description

Refer to **Figure 1** for typical components.

- | | |
|---|-----------------------|
| 1 | Conveyor |
| 2 | Mounting Bracket |
| 3 | Gearmotor |
| 4 | Timing Belt Tensioner |
| 5 | Cover |
| 6 | Timing Belt |
| 7 | Drive Pulley |
| 8 | Driven Pulley |

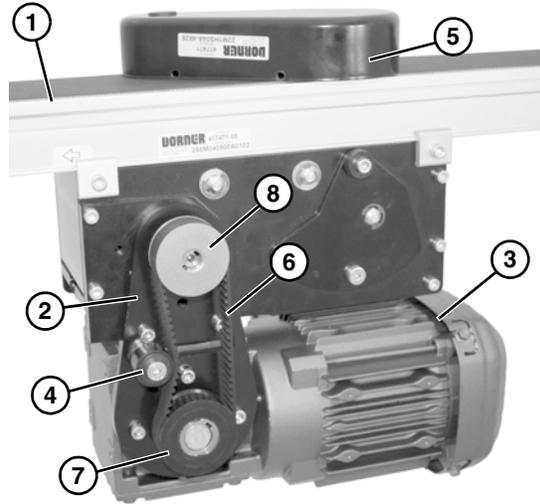


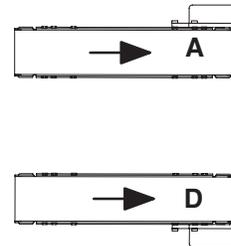
Figure 1

Specifications

Gearmotor Mounting Package Models:

Example:

- 22 M 1 W S WW A 32 32**
- Driven Pulley (see Tables 2 & 3)
 - Drive Pulley (see Tables 2 & 3)
 - Mount Position = A or D (see detail to the right)
 - Conveyor Width Reference*
 - Gearmotor Type = Standard Load
 - Output Shaft Type = SEW
 - Mount Style: 1 = Type 1, Vertical Mount
2 = Type 2, Bottom Mount
 - Language Code = U.S. English
 - 22 = 2200, 2300 Series Conveyors



* See “Ordering and Specifications” Catalog for details.

Table 1: Gearmotor Specifications

	Three Phase			VFD Vari Speed		
Output Power	0.25 Hp (0.19 Kw)	0.33 hp (0.25 kW)	0.5 Hp(0.37 kW)	0.25 Hp (0.19 Kw)	0.33 hp (0.25 kW)	0.5 Hp(0.37 kW)
Input Voltage	230/460			230/460		
Input Frequency	60 Hz			10 to 60 Hz		
Input Current	0.89/0.44	1.24/0.62	1.84/0.92	0.89/0.44	1.24/0.62	1.84/0.92
RPM	46	109	219	8 to 46	18 to 109	37 to 219
Ratio	39:1	16.5:1	8.2:1	39:1	16.5:1	8.2:1
Motor Frame	IEC71			IEC71		
Motor Type	IP54 Totally Enclosed Fan Cooled			IP54 Totally Enclosed Fan Cooled		

2200 and 2300 Series Center Mount Drive Package for SEW 60 Hz Gearmotors

Specifications

Table 2: Belt Speeds for Fixed Speed SEW Gearmotors

Part Number	RPM	In-lb	N-m	Ft/min	M/min	Drive Pulley	Driven Pulley
22M039WS423EN	46	203	22.9	9.6	2.9	19	32
22M039WS423EN	46	203	22.9	11.0	3.4	19	28
22M039WS423EN	46	203	22.9	11.1	3.4	22	32
22M039WS423EN	46	203	22.9	12.7	3.9	22	28
22M039WS423EN	46	203	22.9	14.2	4.3	28	32
22M039WS423EN	46	203	22.9	16.2	4.9	32	32
22M039WS423EN	46	203	22.9	18.5	5.6	32	28
22M039WS423EN	46	203	22.9	20.6	6.3	28	22
22M039WS423EN	46	203	22.9	22.3	6.8	44	32
22M017WS423EN	109	159	18.0	22.7	6.9	19	32
22M039WS423EN	46	203	22.9	23.6	7.2	32	22
22M039WS423EN	46	203	22.9	23.9	7.3	28	19
22M039WS423EN	46	203	22.9	24.3	7.4	48	32
22M039WS423EN	46	203	22.9	25.5	7.8	44	28
22M017WS423EN	109	159	18.0	25.9	7.9	19	28
22M017WS423EN	109	159	18.0	26.3	8.0	22	32
22M039WS423EN	46	203	22.9	27.3	8.3	32	19
22M039WS423EN	46	203	22.9	27.8	8.5	48	28
22M017WS423EN	109	159	18.0	30.0	9.2	22	28
22M039WS423EN	46	203	22.9	32.4	9.9	44	22
22M017WS423EN	109	159	18.0	33.4	10.2	28	32
22M039WS423EN	46	203	22.9	35.4	10.8	48	22
22M039WS423EN	46	203	22.9	37.5	11.4	44	19
22M017WS423EN	109	159	18.0	38.2	11.6	32	32
22M039WS423EN	46	203	22.9	40.9	12.5	48	19
22M017WS423EN	109	159	18.0	43.7	13.3	32	28
22M008WS423EN	219	132	14.9	45.6	13.9	19	32
22M017WS423EN	109	159	18.0	48.6	14.8	28	22
22M008WS423EN	219	132	14.9	52.1	15.9	19	28
22M017WS423EN	109	159	18.0	52.5	16.0	44	32
22M008WS423EN	219	132	14.9	52.8	16.1	22	32
22M017WS423EN	109	159	18.0	55.6	16.9	32	22
22M017WS423EN	109	159	18.0	56.3	17.2	28	19
22M017WS423EN	109	159	18.0	57.3	17.5	48	32
22M017WS423EN	109	159	18.0	60.0	18.3	44	28
22M008WS423EN	219	132	14.9	60.3	18.4	22	28
22M017WS423EN	109	159	18.0	64.4	19.6	32	19
22M017WS423EN	109	159	18.0	65.5	20.0	48	28
22M008WS423EN	219	132	14.9	67.2	20.5	28	32
22M017WS423EN	109	159	18.0	76.4	23.3	44	22
22M008WS423EN	219	132	14.9	76.8	23.4	32	32
22M017WS423EN	109	159	18.0	83.4	25.4	48	22
22M008WS423EN	219	132	14.9	87.8	26.8	32	28
22M017WS423EN	109	159	18.0	88.5	27.0	44	19
22M017WS423EN	109	159	18.0	96.5	29.4	48	19
22M008WS423EN	219	132	14.9	97.7	29.8	28	22
22M008WS423EN	219	132	14.9	105.6	32.2	44	32
22M008WS423EN	219	132	14.9	111.7	34.1	32	22
22M008WS423EN	219	132	14.9	113.2	34.5	28	19
22M008WS423EN	219	132	14.9	115.2	35.1	48	32
22M008WS423EN	219	132	14.9	120.7	36.8	44	28
22M008WS423EN	219	132	14.9	129.4	39.4	32	19
22M008WS423EN	219	132	14.9	131.7	40.1	48	28
22M008WS423EN	219	132	14.9	153.6	46.8	44	22
22M008WS423EN	219	132	14.9	167.6	51.1	48	22
22M008WS423EN	219	132	14.9	177.9	54.2	44	19
22M008WS423EN	219	132	14.9	194.0	59.1	48	19

2200 and 2300 Series Center Mount Drive Package for SEW 60 Hz Gearmotors

Specifications

Table 3: Belt Speeds for Variable Speed SEW Gearmotors

Part Number	RPM	In-lb	N-m	Ft/min (max)	Ft/min (min)	M/min (max)	M/min (min)	Drive Pulley	Driven Pulley
22M039WS423EN	46	203	22.9	9.6	1.6	2.9	0.5	19	32
22M039WS423EN	46	203	22.9	11.0	1.8	3.4	0.6	19	28
22M039WS423EN	46	203	22.9	11.1	1.9	3.4	0.6	22	32
22M039WS423EN	46	203	22.9	12.7	2.1	3.9	0.6	22	28
22M039WS423EN	46	203	22.9	14.2	2.4	4.3	0.7	28	32
22M039WS423EN	46	203	22.9	16.2	2.7	4.9	0.8	32	32
22M039WS423EN	46	203	22.9	18.5	3.1	5.6	0.9	32	28
22M039WS423EN	46	203	22.9	20.6	3.4	6.3	1.0	28	22
22M039WS423EN	46	203	22.9	22.3	3.7	6.8	1.1	44	32
22M017WS423EN	109	159	18.0	22.7	3.8	6.9	1.2	19	32
22M039WS423EN	46	203	22.9	23.6	3.9	7.2	1.2	32	22
22M039WS423EN	46	203	22.9	23.9	4.0	7.3	1.2	28	19
22M039WS423EN	46	203	22.9	24.3	4.1	7.4	1.2	48	32
22M039WS423EN	46	203	22.9	25.5	4.2	7.8	1.3	44	28
22M017WS423EN	109	159	18.0	25.9	4.3	7.9	1.3	19	28
22M017WS423EN	109	159	18.0	26.3	4.4	8.0	1.3	22	32
22M039WS423EN	46	203	22.9	27.3	4.5	8.3	1.4	32	19
22M039WS423EN	46	203	22.9	27.8	4.6	8.5	1.4	48	28
22M017WS423EN	109	159	18.0	30.0	5.0	9.2	1.5	22	28
22M039WS423EN	46	203	22.9	32.4	5.4	9.9	1.6	44	22
22M017WS423EN	109	159	18.0	33.4	5.6	10.2	1.7	28	32
22M039WS423EN	46	203	22.9	35.4	5.9	10.8	1.8	48	22
22M039WS423EN	46	203	22.9	37.5	6.3	11.4	1.9	44	19
22M017WS423EN	109	159	18.0	38.2	6.4	11.6	1.9	32	32
22M039WS423EN	46	203	22.9	40.9	6.8	12.5	2.1	48	19
22M017WS423EN	109	159	18.0	43.7	7.3	13.3	2.2	32	28
22M008WS423EN	219	132	14.9	45.6	7.6	13.9	2.3	19	32
22M017WS423EN	109	159	18.0	48.6	8.1	14.8	2.5	28	22
22M008WS423EN	219	132	14.9	52.1	8.7	15.9	2.6	19	28
22M017WS423EN	109	159	18.0	52.5	8.8	16.0	2.7	44	32
22M008WS423EN	219	132	14.9	52.8	8.8	16.1	2.7	22	32
22M017WS423EN	109	159	18.0	55.6	9.3	16.9	2.8	32	22
22M017WS423EN	109	159	18.0	56.3	9.4	17.2	2.9	28	19
22M017WS423EN	109	159	18.0	57.3	9.6	17.5	2.9	48	32
22M017WS423EN	109	159	18.0	60.0	10.0	18.3	3.1	44	28
22M008WS423EN	219	132	14.9	60.3	10.1	18.4	3.1	22	28
22M017WS423EN	109	159	18.0	64.4	10.7	19.6	3.3	32	19
22M017WS423EN	109	159	18.0	65.5	10.9	20.0	3.3	48	28
22M008WS423EN	219	132	14.9	67.2	11.2	20.5	3.4	28	32
22M017WS423EN	109	159	18.0	76.4	12.7	23.3	3.9	44	22
22M008WS423EN	219	132	14.9	76.8	12.8	23.4	3.9	32	32
22M017WS423EN	109	159	18.0	83.4	13.9	25.4	4.2	48	22
22M008WS423EN	219	132	14.9	87.8	14.6	26.8	4.5	32	28
22M017WS423EN	109	159	18.0	88.5	14.7	27.0	4.5	44	19
22M017WS423EN	109	159	18.0	96.5	16.1	29.4	4.9	48	19
22M008WS423EN	219	132	14.9	97.7	16.3	29.8	5.0	28	22
22M008WS423EN	219	132	14.9	105.6	17.6	32.2	5.4	44	32
22M008WS423EN	219	132	14.9	111.7	18.6	34.1	5.7	32	22
22M008WS423EN	219	132	14.9	113.2	18.9	34.5	5.7	28	19
22M008WS423EN	219	132	14.9	115.2	19.2	35.1	5.9	48	32
22M008WS423EN	219	132	14.9	120.7	20.1	36.8	6.1	44	28
22M008WS423EN	219	132	14.9	129.4	21.6	39.4	6.6	32	19
22M008WS423EN	219	132	14.9	131.7	21.9	40.1	6.7	48	28
22M008WS423EN	219	132	14.9	153.6	25.6	46.8	7.8	44	22
22M008WS423EN	219	132	14.9	167.6	27.9	51.1	8.5	48	22
22M008WS423EN	219	132	14.9	177.9	29.6	54.2	9.0	44	19
22M008WS423EN	219	132	14.9	194.0	32.3	59.1	9.9	48	19

NOTE

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

Required Tools

- Hex key wrenches:
3/32", 3 mm, 5 mm, 6 mm
- Socket wrenches:
8 mm, 11 mm
- Torque wrench
- Straight Edge

Mounting

⚠ WARNING



Exposed moving parts can cause severe injury. LOCK OUT POWER before removing guards or performing maintenance.

NOTE

Type 1 mounting package shown below left (Figure 2). Type 2 mounting package shown below right (Figure 2).

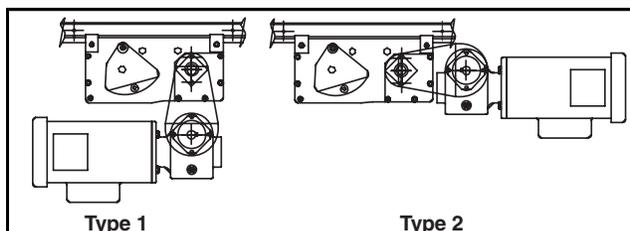


Figure 2

NOTE

For Type 1 mounting package, the gearmotor may be operated in positions 1 or 4 (Figure 3).

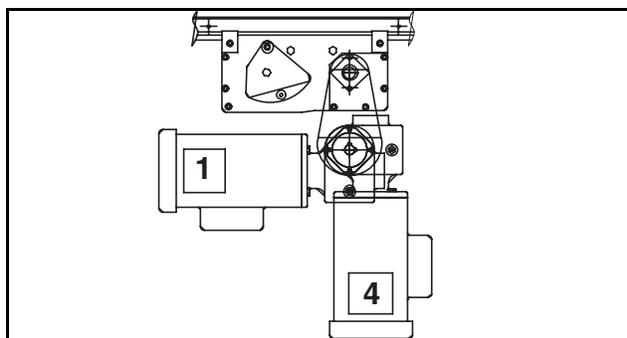


Figure 3

Installation Component List:

1	Mount Assembly
2	Drive Pulley
3	Cover
4	M4 Socket Head Screws (4x)
5	Driven Pulley
6	Key
7	M6 Socket Head Screws (3x)
8	Timing Belt

1. Typical components (Figure 4).

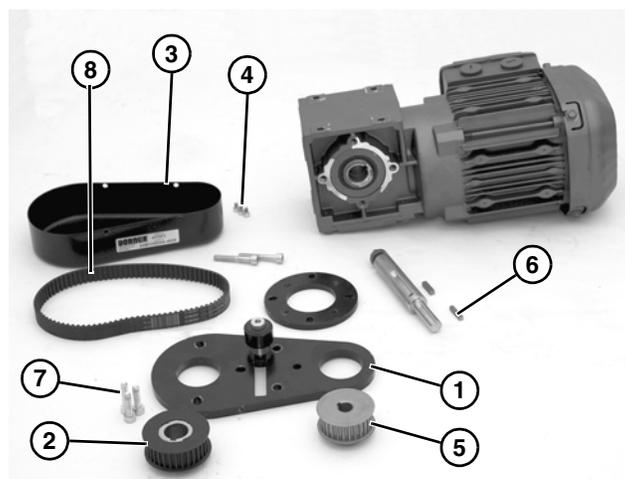


Figure 4

NOTE

Type 1 mounting package shown (Figure 4), Type 2 mounting package similar.

2. If required, change gearmotor position by removing screws (Figure 5, item 1). Rotate gearmotor to other position and replace screws. Tighten to 103 in-lb (12 Nm).

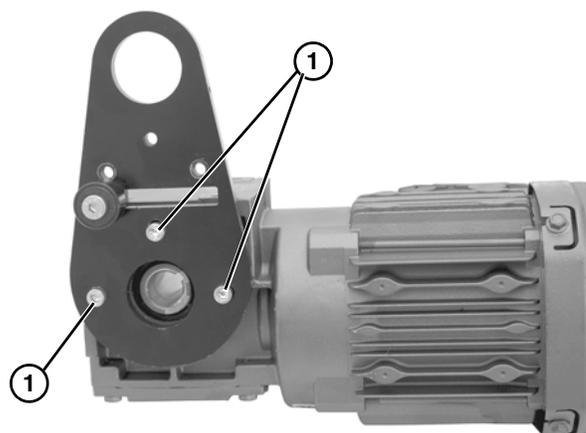


Figure 5

Installation

3. Locate drive output shaft (**Figure 6, item 1**) and remove two (2) screws (**Figure 6, item 2**).

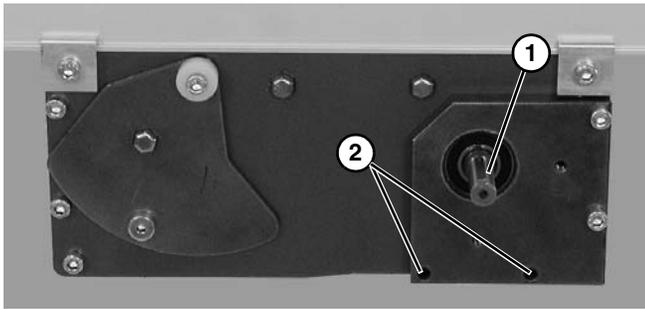


Figure 6

4. Attach mount assembly (**Figure 7, item 1**) with mounting screws (**Figure 7, item 2**). Tighten screws to 80 in-lb (9 Nm.).

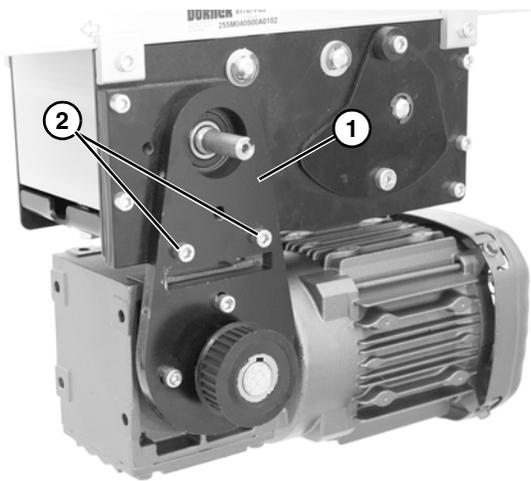


Figure 7

⚠ WARNING



Drive shaft keyway may be sharp. HANDLE WITH CARE.

5. Install key (**Figure 8, item 1**).

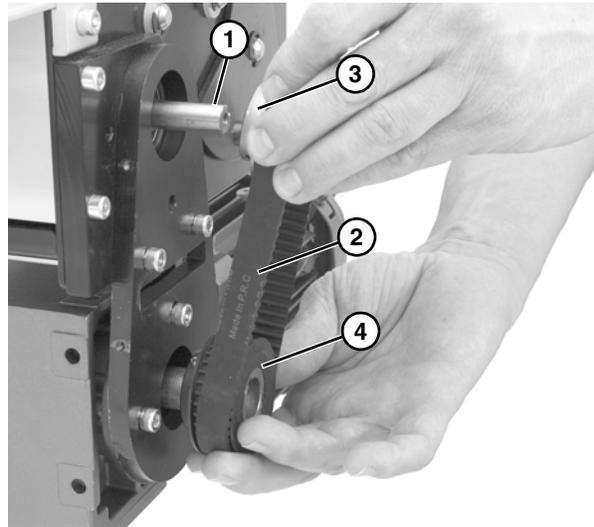


Figure 8

6. Wrap timing belt (**Figure 8, item 2**) around driven pulley (**Figure 8, item 3**) and drive pulley (**Figure 8, item 4**). Install driven pulley (**Figure 8, item 3**) onto conveyor shaft.
7. Using a straight edge (**Figure 9, item 1**), align driven pulley (**Figure 9, item 2**) with drive pulley (**Figure 9, item 3**). Tighten driven pulley set screws (**Figure 9, item 4**).

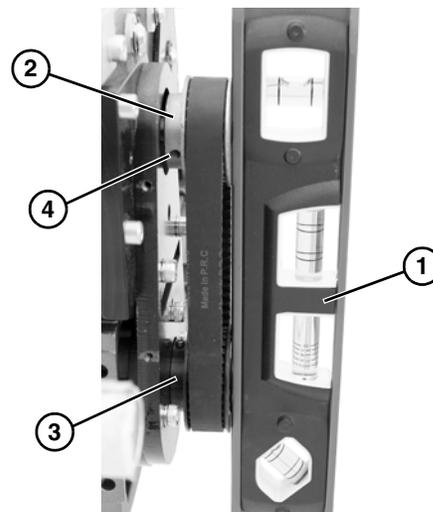


Figure 9

8. Depending on direction of conveyor belt travel (1 or 2 of **Figure 10**), position belt tensioner (**Figure 10, item 1**) as shown. Tension belt to obtain .125" (3 mm) deflection for 1.0 lb (456 grams) of force at belt mid-point (**Figure 10, item 2**). Tighten tensioner screw to 103 in-lb (12 Nm).

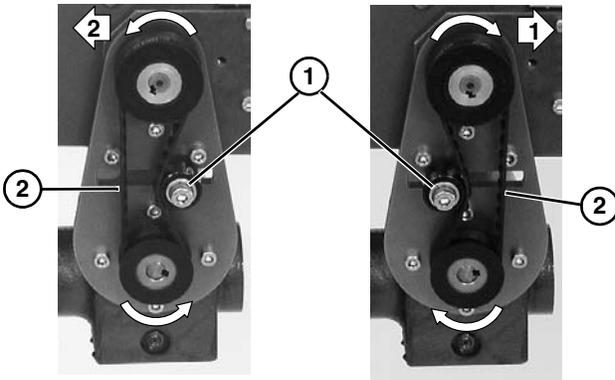


Figure 10

9. Install cover (Figure 11, item 1) with four (4) screws (Figure 11, item 2). Tighten screws to 35 in-lb (4 Nm).

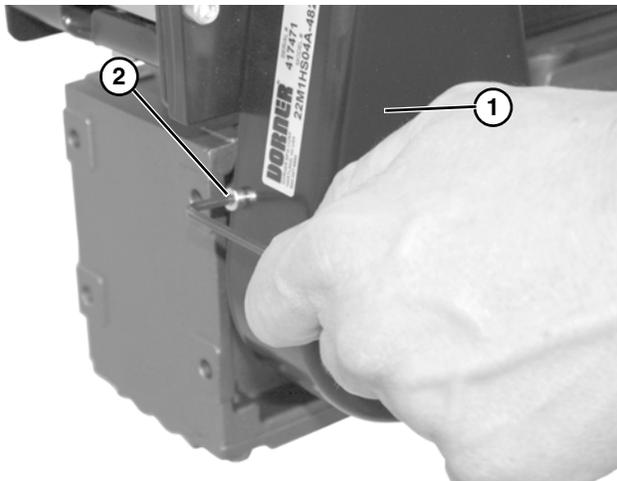


Figure 11

Motor Wiring

⚠ DANGER
<p>Hazardous voltage will cause severe injury or death. LOCK OUT POWER BEFORE WIRING.</p>
NOTE
<p><i>Lug terminals are recommended for wiring connections.</i></p>

1. Remove cover (Figure 12, item 1).

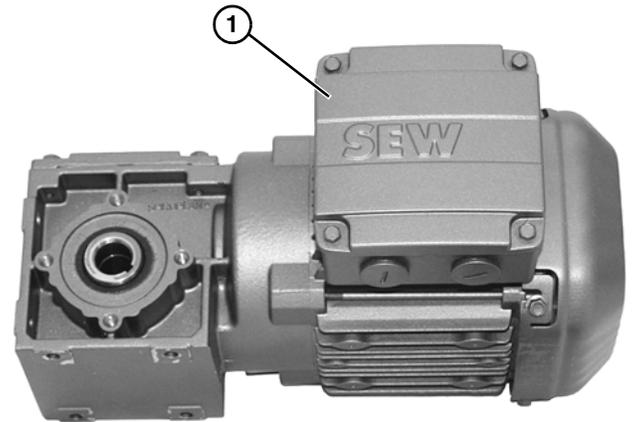


Figure 12

2. Determine wiring configuration (Figure 13).

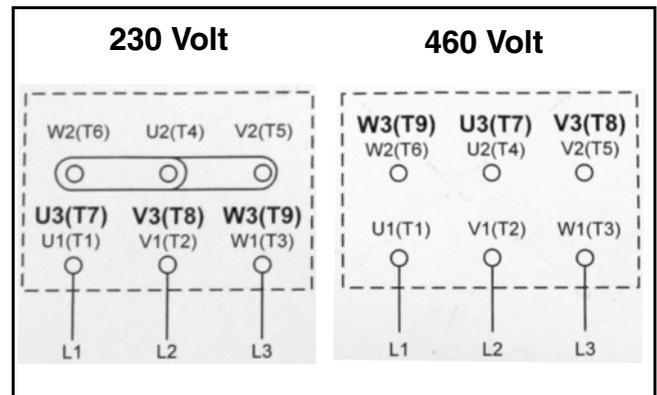


Figure 13

3. Install cord grip and power cord (Figure 14, item 1) mount to terminal box as required.

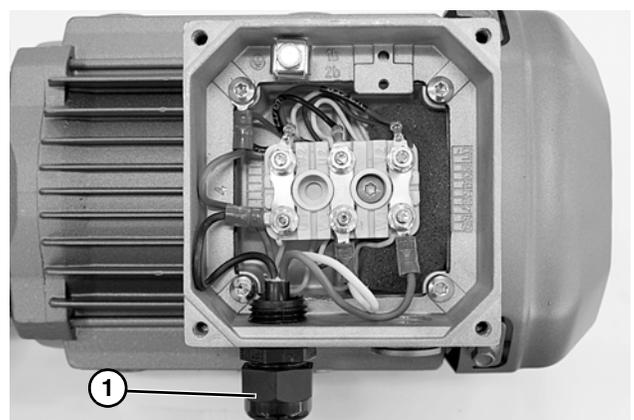


Figure 14

4. Connect wires.
5. Close cover.

Preventive Maintenance and Adjustment

Required Tools

- Hex key wrenches:
3/32", 3 mm, 5 mm, 6 mm
- Socket wrenches:
8 mm, 11 mm
- Torque wrench
- Small bubble level

Timing Belt Tensioning

⚠ WARNING

Exposed moving parts can cause severe injury. LOCK OUT POWER before removing guards or performing maintenance.

1. Remove four (4) screws (**Figure 15, item 1**) and remove cover (**Figure 15, item 2**).

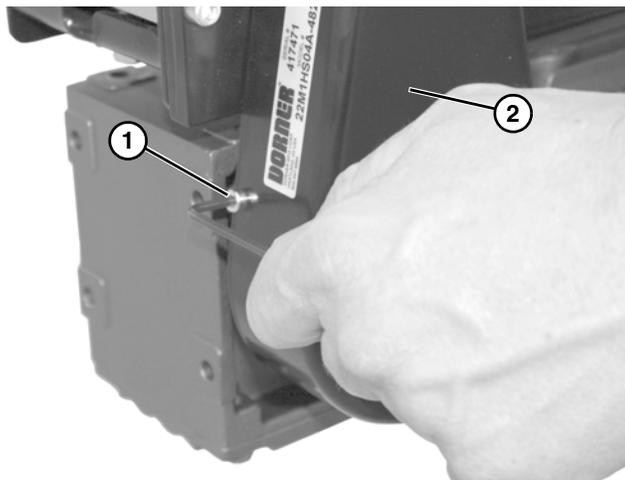


Figure 15

2. Loosen tensioner (**Figure 16, item 1**).

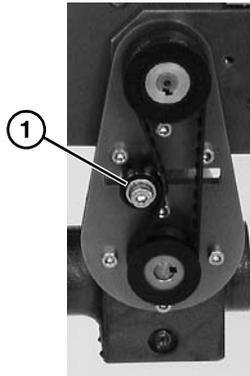


Figure 16

3. Depending on direction of conveyor belt travel (1 or 2 of **Figure 17**), position belt tensioner (**Figure 17, item 1**) as shown. Tension belt to obtain .125" (3 mm) deflection for 1.0 lb (456 grams) of force at belt mid-point (**Figure 17, item 2**). Tighten tensioner screw to 103 in-lb (12 Nm).

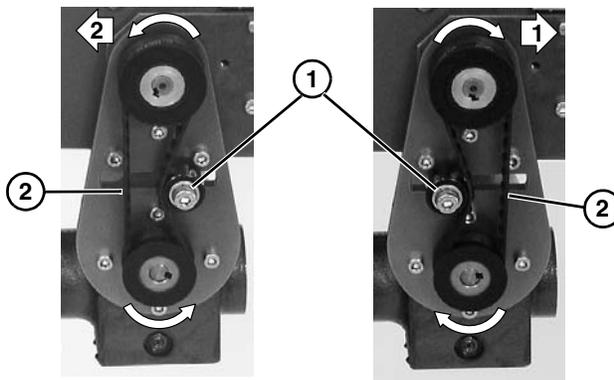


Figure 17

4. Install cover (**Figure 15, item 2**) with four (4) screws (**Figure 15, item 1**). Tighten to 35 in-lb (4 N-m).

Preventive Maintenance and Adjustment

Timing Belt Replacement

⚠ WARNING



Exposed moving parts can cause severe injury. LOCK OUT POWER before removing guards or performing maintenance.

1. Remove four (4) screws (Figure 18, item 1) and remove cover (Figure 18, item 2).

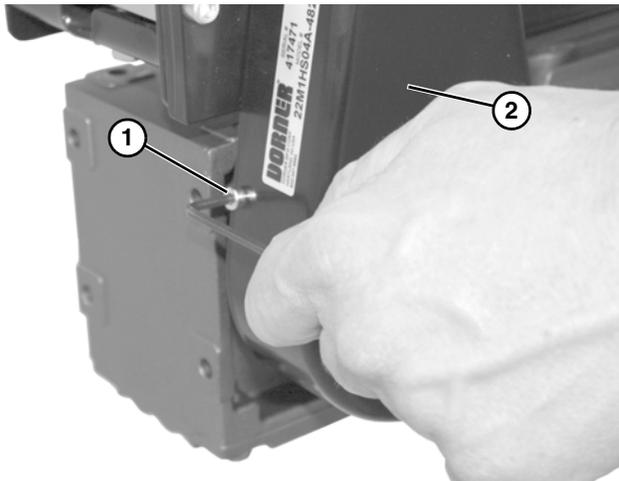


Figure 18

2. Loosen tensioner (Figure 19, item 1).

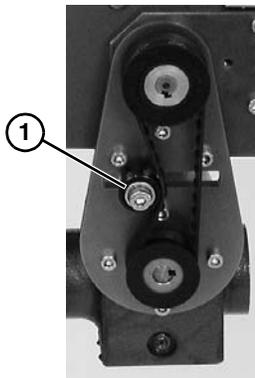


Figure 19

3. Remove timing belt (Figure 20, item 1).

NOTE

If timing belt does not slide over pulley flange, loosen driven pulley set screws (Figure 20, item 2) and remove pulley with belt. For re-installation, see steps 6 and 7 on page 8.

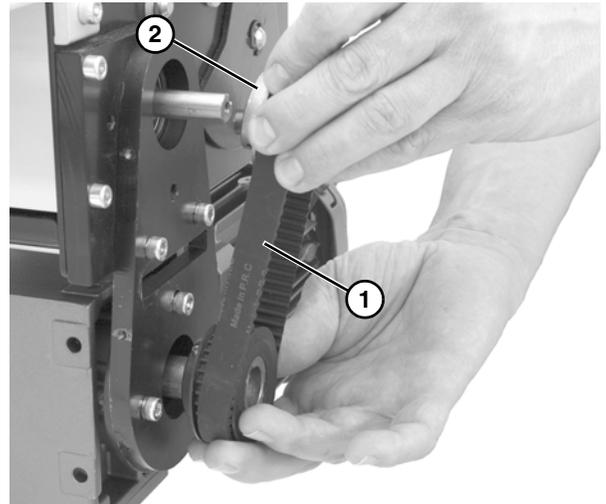


Figure 20

4. Install new timing belt.
5. Depending on direction of conveyor belt travel (1 or 2 of Figure 21), position belt tensioner (Figure 21, item 1) as shown. Tension belt to obtain .125" (3 mm) deflection for 1.0 lb (456 grams) of force at belt mid-point (Figure 21, item 2). Tighten tensioner screw to 103 in-lb (12 Nm).

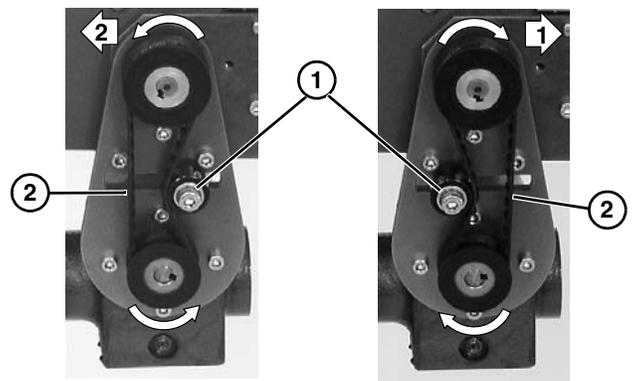


Figure 21

6. Install cover (Figure 18, item 2) with four (4) screws (Figure 18, item 1). Tighten to 35 in-lb (4 N-m).

Preventive Maintenance and Adjustment

Drive or Driven Pulley Replacement

⚠ WARNING



Exposed moving parts can cause severe injury. **LOCK OUT POWER** before removing guards or performing maintenance.

1. Complete steps 1 through 3 of “Timing Belt Replacement” section on page 11.
2. Loosen set screws and remove drive or driven pulley.

NOTE

If drive pulley (**Figure 22, item 1**) is replaced, wrap timing belt around drive pulley and complete step 3.

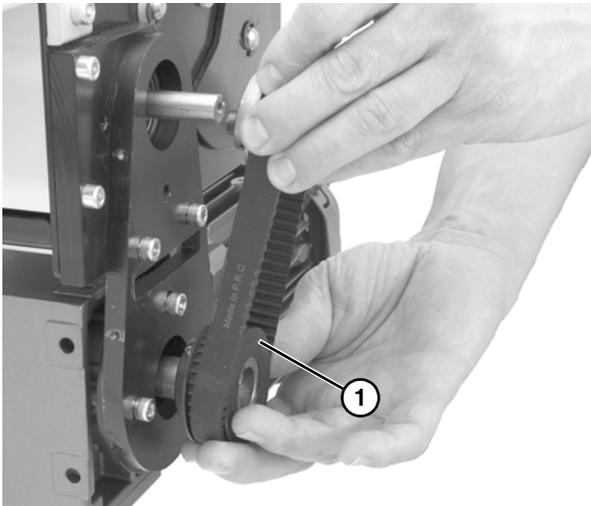


Figure 22

3. Complete steps 6 through 9 of “Installation” section beginning on page 8.

Gearmotor Replacement

⚠ WARNING



Exposed moving parts can cause severe injury. **LOCK OUT POWER** before removing guards or performing maintenance.

⚠ DANGER



Hazardous voltage will cause severe injury or death. **LOCK OUT POWER BEFORE WIRING.**

1. Disconnect power. Remove terminal box cover and wires.
2. Remove four (4) screws (**Figure 23, item 1**) and remove cover (**Figure 23, item 2**).

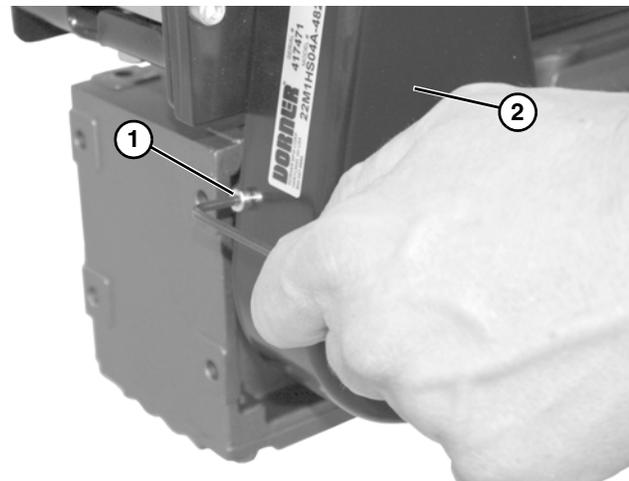


Figure 23

Preventive Maintenance and Adjustment

3. Loosen tensioner (**Figure 24, item 1**) and remove timing belt (**Figure 24, item 2**).

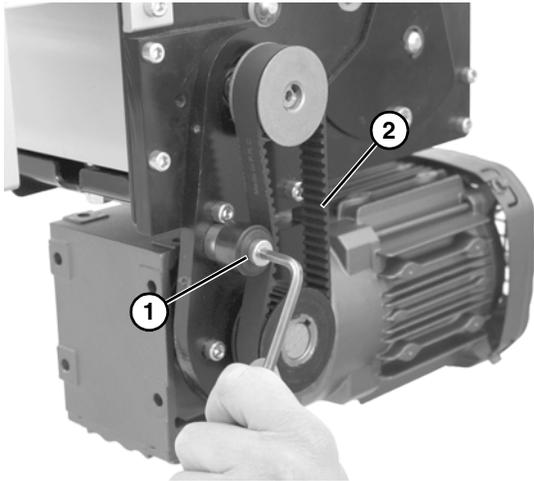


Figure 24

4. Loosen set screws and remove drive pulley (**Figure 25, item 1**).

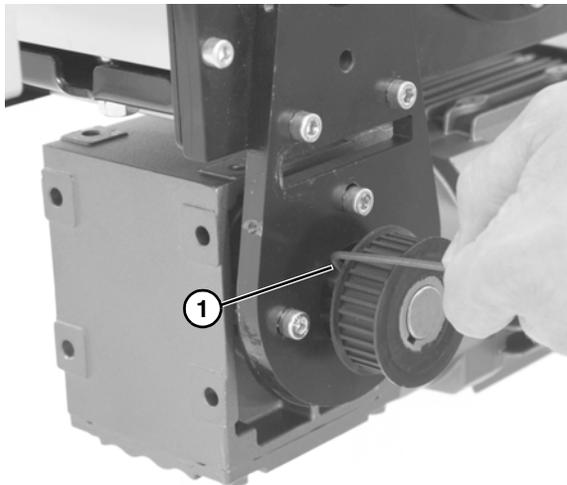


Figure 25

5. Remove mounting screws (**Figure 26, item 1**) and remove gearmotor.

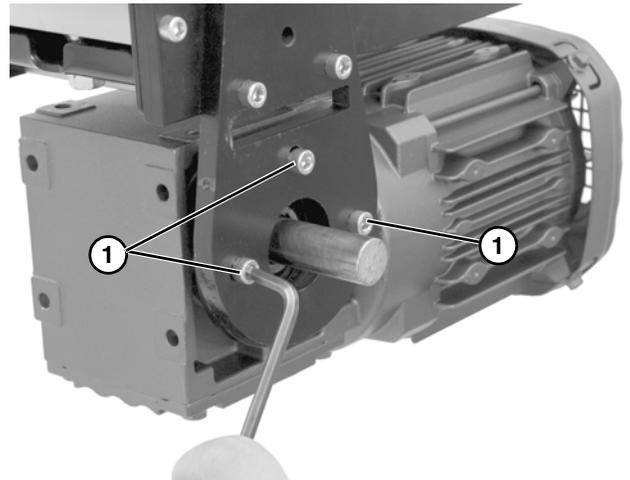


Figure 26

6. Remove shaft mounting bolt (**Figure 27, item 1**) and remove shaft.

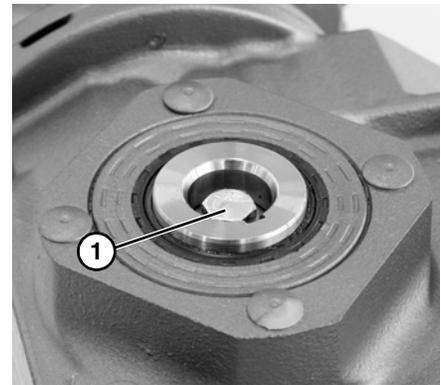


Figure 27

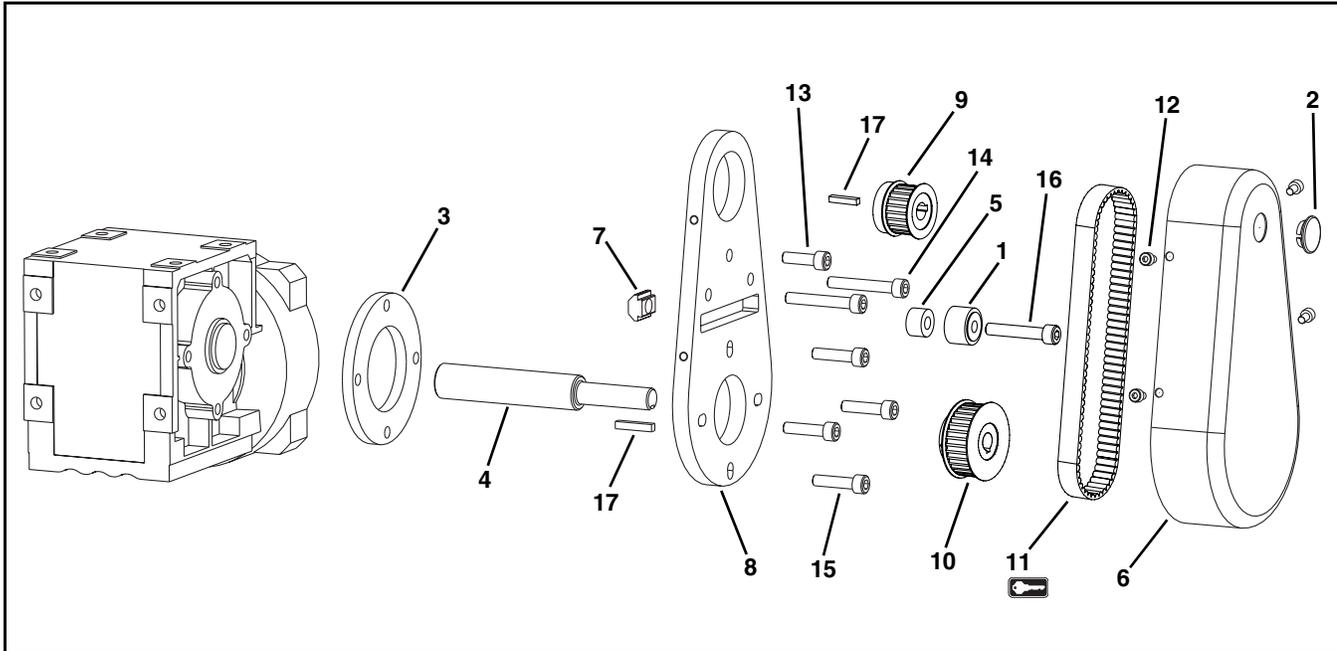
7. Repeat in reverse order to install new gearmotor.

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.

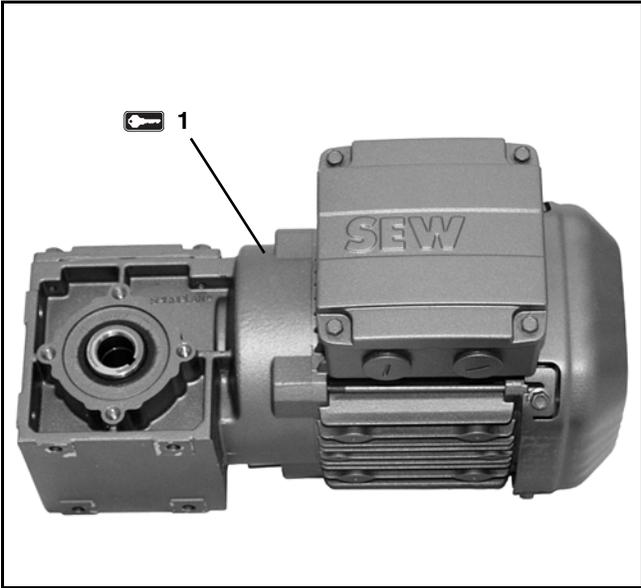
Center Mount Drive Package for SEW Gearmotors



Item	Part Number	Description
1	802-046	Bearing
2	807-226	Snap-out Plastic Plug
3	201676	Spacer Ring
4	201677	Output Shaft
5	450195M	Spacer
6	200376M	Drive Guard
7	202390M	Nut Follower
8	460026M	Mounting Plate
9	450365MP	Driven Pulley, 19 Tooth
	450366MP	Driven Pulley, 22 Tooth
	450367MP	Driven Pulley, 28 Tooth
	450368MP	Driven Pulley, 32 Tooth
10	450365MP	Drive Pulley, 19 Tooth
	450366MP	Drive Pulley, 22 Tooth
	450367MP	Drive Pulley, 28 Tooth
	450368MP	Drive Pulley, 32 Tooth
	450369MP	Drive Pulley, 44 Tooth
	450370MP	Drive Pulley, 48 Tooth

Item	Part Number	Description
11	814-103	Timing Belt, 15 mm W x 385 mm L
	814-100	Timing Belt, 15 mm W x 400 mm L
	814-096	Timing Belt, 15 mm W x 425 mm L
	814-105	Timing Belt, 15 mm W x 460 mm L
12	920406M	Socket Head Screw M4 x 6 mm
13	920620M	Socket Head Screw M6 - 1.00 x 20 mm
14	920625M	Socket Head Screw M6 - 1.00 x 25 mm
15	920640M	Socket Head Screw M6 - 1.00 x 40 mm
16	920898M	Low Head Cap Screw M8 - 1.25 x 40 mm
17	980422M	Square Key

Gearmotor



Item	Part No.	Part Description
1	22M039WS423EN	Gearmotor, 0.25 Hp (0.19 Kw), 230/460 Volts, 60 Hz, 39:1
	22M017WS423EN	Gearmotor, 0.33 Hp (0.25 Kw), 230/460 Volts, 60 Hz, 16.5:1
	22M008WS423EN	Gearmotor, 0.50 Hp (0.37 Kw), 230/460 Volts, 60 Hz, 8.2:1

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 (if available, part serial number).

A representative will discuss action to be taken on the returned items and provide a Returned Goods Authorization (RMA) number for reference. RMA will automatically close 30 days after being issued. To get credit, items must be new and undamaged. There will be a return charge on all items returned for credit, where Dorner was not at fault. It is the customer's responsibility to prevent damage during return shipping. Damaged or modified items will not be accepted. The customer is responsible for return freight.

Conveyors and conveyor accessories

Standard catalog conveyors	30%
MPB, 7200, 7300 Series, cleated and specialty belt	50%
AquaGard & AquaPruf Series conveyors	non-returnable items
Engineered to order products	case by case
Drives and accessories	30%
Sanitary stand supports	non-returnable items

Parts

Standard stock parts	30%
Plastic chain, 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 Customer Service Team 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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DORNER MFG. CORP.

975 Cottonwood Ave., PO Box 20
Hartland, WI 53029-0020 USA
TEL 1-800-397-8664 (USA)
FAX 1-800-369-2440 (USA)
Internet: www.dorner.com

Outside the USA:
TEL 1-262-367-7600
FAX 1-262-367-5827