

Martin® Slider Cradle

Go to Martin® Slider Cradle web page





Operator's Manual M3596

Important

MARTIN ENGINEERING HEREBY DISCLAIMS ANY LIABILITY FOR: DAMAGE DUE TO CONTAMINATION OF THE MATERIAL; USER'S FAILURE TO INSPECT, MAINTAIN AND TAKE REASONABLE CARE OF THE EQUIPMENT; INJURIES OR DAMAGE RESULTING FROM USE OR APPLICATION OF THIS PRODUCT CONTRARY TO INSTRUCTIONS AND SPECIFICATIONS CONTAINED HEREIN. MARTIN ENGINEERING'S LIABILITY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF EQUIPMENT SHOWN TO BE DEFECTIVE.

Observe all safety rules given herein along with owner and Government standards and regulations. Know and understand lockout/tagout procedures as defined by American National Standards Institute (ANSI) z244.1-1982, *American National Standard for Personnel Protection - Lockout/Tagout of Energy Sources - Minimum Safety Requirements* and Occupational Safety and Health Administration (OSHA) Federal Register, Part IV, 29 CFR Part 1910, *Control of Hazardous Energy Source (Lockout/Tagout); Final Rule.*

The following symbols may be used in this manual:



Danger: Immediate hazards that will result in severe personal injury or death.



Warning: Hazards or unsafe practices that could result in personal injury.



Caution: Hazards or unsafe practices that could result in product or property damages.



Important: Instructions that must be followed to ensure proper installation/operation of equipment.



Note: General statements to assist the reader.

Table of Contents

Section Pag	;(
List of Figures ii	
List of Tables ii	
Introduction	
General	
References	
Safety	
Materials required	
Before Installing Slider Cradle	
Installing Slider Cradle	
Installing Single-Bar Cradle	
Installing Double-Bar Cradle	
After Installing Slider Cradle	
Weekly Maintenance	
Adjusting for Wear	
Turning Bars Over	
Troubleshooting/Installation Checklist	
Part Numbers	
Appendix	1

List of Figures

Figure	Title	Page
1	Locating Slider Cradle Between Idlers (Single-Bar Cradle shown)	5
2	Location of Slider Cradle to Idlers	6
3	Setting Trough Angle	6
4	Installing Single-Bar Cradle	7
5	Installing Double-Bar Cradle	9
6	Bracket Settings and Dimensions	11
7	Adjusting or Replacing Slider Bars	14
8a	Martin [®] Slider Cradle Assembly (Single-Bar) P/N 36700-18XXX	18
8b	Martin [®] Slider Cradle Assembly (Single-Bar) P/N 36700-18XXX	19
9a	Martin® Slider Cradle Assembly (Single-Bar) P/N 36700-XXXXX	20
9b	Martin® Slider Cradle Assembly (Single-Bar) P/N 36700-XXXXX	21
10a	Martin® Slider Cradle Assembly (Double-Bar) P/N 36700-XXXXX	23
10b	Martin® Slider Cradle Assembly (Double-Bar) P/N 36700-XXXXX	24
11	Conveyor Products Warning Label, P/N 23395	26

List of Tables

Fable	Title	Page
I	Martin® Slider Bar Specifications	1
II	Center Roll Height Based on CEMA Standards (Reference Only)	10
III	Center Roll Bracket Settings (Refer to Figure 6)	10
IV	Idler Support Bracket, Mounting Tabs Direction	11
V	Martin® Slider Cradle Assembly (Single-Bar) P/N 36700-18XXX	
	Part Numbers and Quantities	19
VI	Martin® Slider Cradle Assembly (Single-Bar) P/N 36700-XXXXX	
	Part Numbers and Quantities	22
VII	Martin® Slider Cradle Assembly (Double-Bar) P/N 36700-XXXXX	
	Part Numbers and Quantities	25

General

The Martin[®] Slider Cradle holds conveyor belts in a stable, sag-free position to allow effective sealing. By minimizing belt vibration and sag, the Martin[®] Slider Cradle reduces escaping material and risk of damage to the belt and conveyor accessories. Martin[®] Slider Bars provide a low-friction, self-lubricating surface for conveyor belts to skim over without heat buildup or undue wear on the belt surface or bars (see specifications in Table I). The Martin[®] Slider Cradle is not intended to absorb impact.

Single-Bar Martin $^{\circledR}$ Slider Cradles are suitable for light- to moderate-duty belts from 18- to 42-in. (400- to 1200-mm) wide with belt speeds less than 500 fpm (2.5 m/s).

Double-bar Martin $^{\circledR}$ Slider Cradles are recommended for moderate- to severeduty belts from 48- to 96-in. (1200- to 2400-mm) wide with belt speeds greater than 500 fpm (2.5 m/s).

The Martin[®] Slider Cradle conforms to CEMA Standard No. 502-1980 Bulk Material Conveyor Troughing and Return Specifications (CEMA Class D6).

Bar construction UHMW polyethylene **Bar dimensions** 2.9-in. (72-mm) high 5.0-in. (127-mm) wide 48-in. (1220-mm) long Coefficient of friction 0.5 0.94 Specific gravity Tensile strength 6800 lb at 73°F (23°C) **Hardness** 62 (Shore D) -20 to 140°F (-29 to 60°C) Service temperature

Table I. Martin® Slider Bar Specifications

References

The following documents are referenced in this manual:

- American National Standards Institute (ANSI) z244.1-1982, American National Standard for Personnel Protection - Lockout/Tagout of Energy Sources - Minimum Safety Requirements, American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018.
- Federal Register, Volume 54, Number 169, Part IV, 29 CFR Part 1910, Control of Hazardous Energy Source (Lockout/Tagout); Final Rule,
 Department of Labor, Occupational Safety and Health Administration
 (OSHA), 32nd Floor, Room 3244, 230 South Dearborn Street, Chicago, IL
 60604.

Safety All safety rules defined in the above documents, and all owner/employer safety rules must be strictly followed when working on the $Martin^{\mathbb{R}}$ Slider

Cradle.

Materials required In addition to standard hand tools, a 5-ft (1.5-m) angle is needed to install this

equipment.

Before Installing Slider Cradle

IMPORTANT

The delivery service is responsible for damage occurring in transit. Martin Engineering CANNOT enter claims for damages. Contact your transportation agent for more information.

- 1. Inspect shipping container for damage. Report damage to delivery service immediately and fill out delivery service's claim form. Keep any damaged goods subject to examination.
- 2. Remove Martin[®] Slider Cradle from shipping container. Equipment in container should include the following:
 - Martin[®] Slider Cradle Single-Bar or Double-Bar Cradle Assembly.
 - Two Conveyor Products Warning Labels, P/N 23395.
- 3. If anything is missing, contact Martin Engineering or representative.



▲ DANGER

Before installing, servicing, or adjusting conveyor equipment, turn off and lockout / tagout / blockout / testout all energy sources to the conveyor and conveyor accessories according to ANSI standards. Failure to do so could result in serious injury or death.

1. Turn off and lockout / tagout / blockout / testout energy source according to ANSI standards (see "References").



▲WARNING

If equipment will be installed in an enclosed area, gas level or dust content must be tested before using a cutting torch or welding. Using a cutting torch or welding in an area with gas or dust may cause an explosion.

- 4. If using a cutting torch or welding, test atmosphere for gas level or dust content. Cover conveyor belt with fire-retardant cover.
- 5. If not already present, install an impact idler 1 in. (25 mm) ahead of and 1 in. (25 mm) behind Single-Bar Cradle's location. Make sure idlers are straight and centered under conveyor belt.
- 6. Remove any unnecessary idlers.

IMPORTANT

Read entire section before beginning work.

NOTE

Refer to Appendix for mounting dimensions of Martin[®] Slider Cradles used with 5 and 6 inch idlers.

To install the Martin[®] Slider Cradle, follow the procedures corresponding to the following steps:

- 1. Locate slider cradle between idlers.
- 2. Install sub-assemblies as applicable.
- 3. Adjust roller assemblies.

IMPORTANT

Installing Single-Bar Cradle The Martin[®] Slider Cradle requires a minimum of 50 in. (1270 mm) between idler faces.

- 1. Find center point between idlers and mark point on both stringers.
- 2. Measure 12 in. (305 mm) from center point in both directions and mark points on both stringers. These will be reference points for steps 3 and 4.



NOTE

If center support roll is used, refer to Table 2 and Figure 6 for mounting details. Mount brackets should be installed prior to step 3 but can be installed during a later step.

- 3. Place one sub-assembly across the conveyor stringers, placing feet of the support on each conveyor stringer on the reference mark from step 2.
- 4. Place the second sub-assembly across the conveyor stringers as in step 3. Space approximately 24 in. (610 mm) apart.



5. Install both slider bars, one on each side of the conveyor, making sure holes line up, and fasten down with bolts provided.

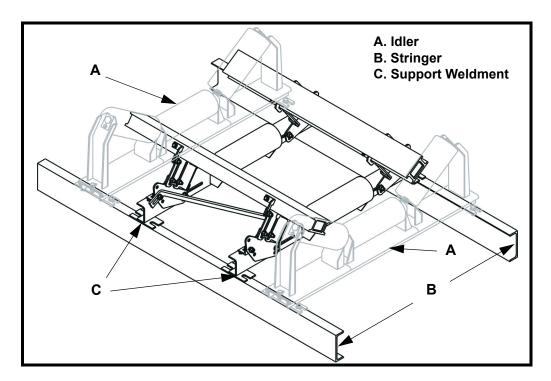


Figure 1. Locating Slider Cradle Between Idlers (Single-Bar Cradle shown)

- 6. Center slider cradle between remaining idlers (refer to Figure 1). Idlers should be installed approximately 50 in. (1270 mm) apart. Install an idler 1 in. (25 mm) before and 1 in. (25mm) after slider cradle. (refer to Figure 2.)
- 7. Attach stabilizer strap.
- 8. Mark and attach sub-assemblies to stringers.
- 9. Fasten slider cradle into place.

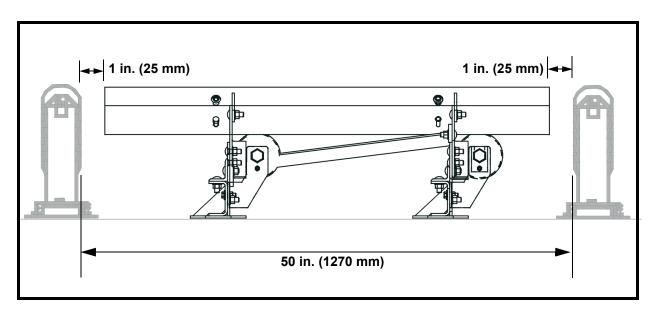


Figure 2. Location of Slider Cradle to Idlers

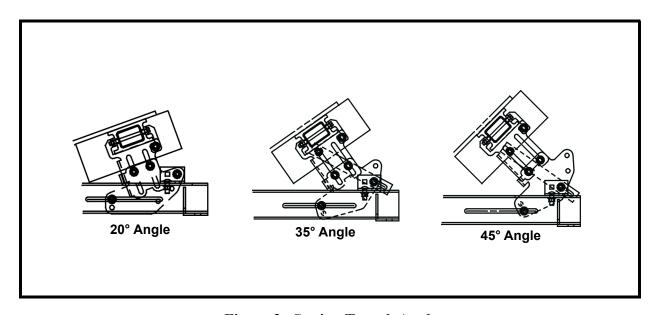


Figure 3. Setting Trough Angle

10. Set trough angle by selecting the proper hole configuration that matches the belt profile (20-, 35-, and 45-degrees), apply bolt, washer and nut, and secure loosely (See Figure 3).

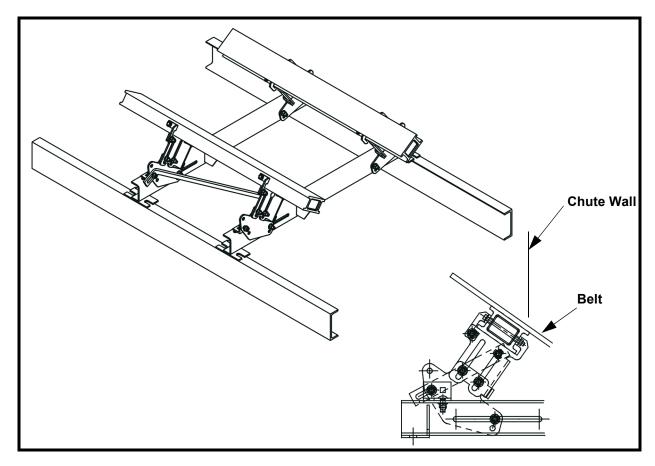


Figure 4. Installing Single-Bar Cradle

- 11. Position the slider bars so that they are supporting the conveyor belt beneath the chute wall and skirting, if any.
- 12. Tighten all bolts.
- 13. Repeat steps 9-12 for opposite side.



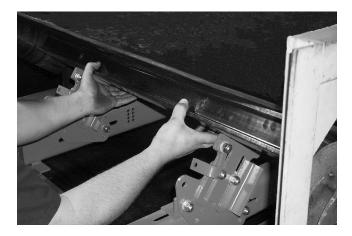
To ensure proper support, slider bars must be equal dimension on all sides.

Installing Double-Bar Cradle

- 1. Find center point between idlers and mark point on both stringers.
- 2. Measure 12 in. (305 mm) from center point in both directions and mark points on both stringers.

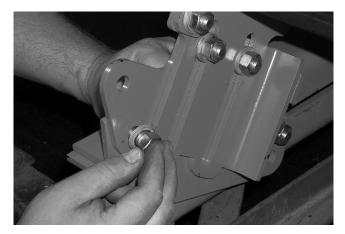


- 3. Place one sub-assembly across the conveyor stringers, placing feet of the support on each conveyor stringer using the reference marks from step 2. Center support rolls are standard with this unit, refer to Table 2 and Figure 6 for mounting details. Brackets should be installed prior to step 3, but can be added during a later step.
- 4. Place the second sub-assembly across the conveyor stringers as in step 3. Center support weldments on these points across stringers. Place feet of support weldments on stringers. Space approximately 24 in. (610 mm) apart.



- 5. Install both slider bars, two on each side of the conveyor, making sure holes line up, and fasten down with bolts provided.
- 6. Center slider cradle between remaining idlers (refer to Figure 1). Idlers should be installed approximately 50 in. (1270 mm) apart. Install an idler 1 in. (25 mm) before and 1 in. (25 mm) after slider cradle. (refer to Figure 2).
- 7. Attach stabilizer strap.
- 8. Mark and attach sub-assemblies to stringers.
- 9. Fasten slider cradle into place.

10. Set trough angle by selecting the proper hole configuration that matches the belt profile (20-, 35-, and 45-degrees), apply bolt, washer and nut, and secure loosely (refer to Figure 3).



- 11. Position the slider bars so that they are supporting the conveyor belt beneath the chute wall and skirting, if any.
- 12. Tighten all bolts.
- 13. Repeat steps 9-12 for opposite side.

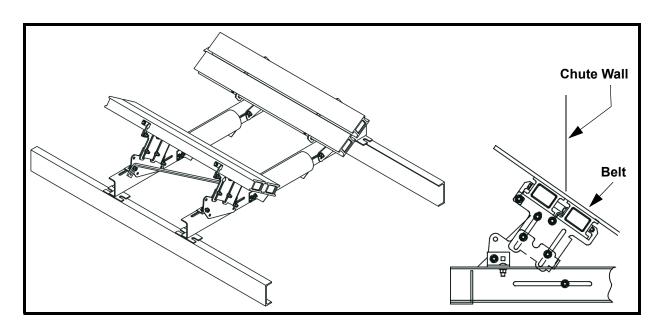


Figure 5. Installing Double-Bar Cradle

Table II. Center Roll Height Based on CEMA Standards (Reference Only)

CEMA	Dim. K	Dim. K	Dim. K	Dim. K
Idler Class	24-36-in. Belt inches (mm)	42-48-in. Belt inches (mm)	54-60-in. Belt inches (mm)	72-in. Belt inches (mm)
C4	8.00 (204)	8.50 (216)	8.75 (222)	N/A
C5	8.50 (216)	9.00 (229)	9.25 (235)	N/A
C6	9.00 (229)	9.50 (241)	9.75 (248)	N/A
D5	8.50 (216)	9.00 (229)	9.25 (235	9.50 (241)
D6	9.00 (229)	9.50 (241)	9.75 (248)	10.00 (254)
E6	10.75 (273) (36 in. Belt only)	10.75 (273)	10.75 (273)	11.50 (292)

Table III. Center Roll Bracket Settings (refer to Figure 6)

Belt Width inches (mm)	Dim. K Lowest Setting inches (mm)	Dim. K Highest Setting inches (mm)
24 (500-600)	8.00 (203)	9.75 (248)
30 (600-800)	8.25 (210)	9.75 (248)
36 (800-1000)	8.25 (210)	9.75 (248)
42 (1000-1200)	8.25 (210)	9.75 (248)
48 (1200-1400)	8.75 (222)	10.25 (260)
54 (1400-1600)	9.50 (241)	11.00 (279)
60 (1600-1800)	9.00 (229)	10.50 (267)
72 (1800-2000)	9.75 (248)	11.25 (286)



Brackets are adjustable in .50-in. (13-mm) increments.

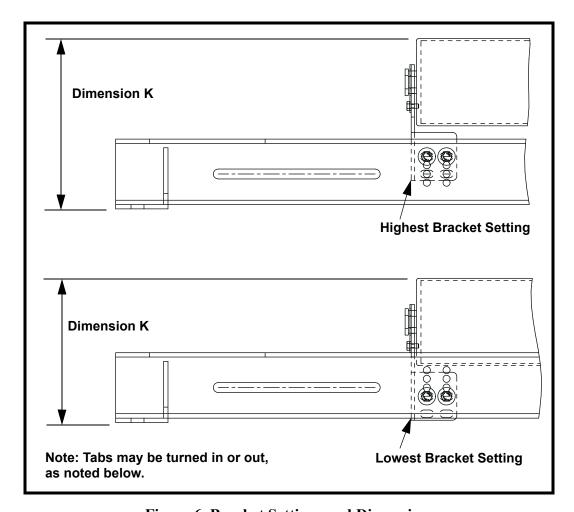


Figure 6. Bracket Settings and Dimensions

Table IV. Idler Support Bracket, Mounting Tabs Direction

Belt Width inches (mm)	Bracket Mounting Tabs Turned
24 (500-600)	IN
30 (600-800)	IN
36 (800-1000)	IN
42 (1000-1200)	OUT
48 (1200-1400)	OUT
54 (1400-1600)	IN
60 (1600-1800)	OUT
72 (1800-2000)	IN

After Installing Slider Cradle

IMPORTANT

Read entire section before beginning work.

1. Thoroughly wipe outside chute walls clean above slider cradle on both sides of chute. Place a Conveyor Products Warning Label (P/N 23395) on each chute wall visible to belt operator.



AWARNING

Failure to remove tools from installation area and conveyor belt before turning on energy source can cause serious injury to personnel and damage to belt.

2. Remove all tools and fire-retardant cover from installation area and conveyor belt.



A DANGER

Do not touch or go near conveyor belt or conveyor accessories when conveyor belt is running. Body or clothing can get caught and pull body into conveyor belt, causing severe injury or death.

3. Turn on conveyor belt for one hour.



▲ DANGER

Before installing, servicing, or adjusting conveyor equipment, turn off and lockout / tagout / blockout / testout all energy sources to the conveyor and conveyor accessories according to ANSI standards. Failure to do so could result in serious injury or death.

- 4. After one hour of operation, turn off and lockout / tagout / blockout / testout energy source according to ANSI standards (see "References").
- 5. Make sure all fasteners are tight. Tighten if necessary.
- 6. Inspect slider cradle for wear. (A small amount of break-in wear may be found. This will stop once bars wear to conveyor belt contour.)
- 7. If excessive wear, uneven wear, or some other problem exists, see "Troubleshooting/Installation Checklist."
- 8. If necessary, adjust height of bar supports.

IMPORTANT

Read entire section before beginning work.



A DANGER

Before installing, servicing, or adjusting conveyor equipment, turn off and lockout / tagout / blockout / testout all energy sources to the conveyor and conveyor accessories according to ANSI standards. Failure to do so could result in serious injury or death.

Adjusting for Wear

- 1. Turn off and lockout / tagout / blockout / testout energy source according to ANSI standards (see "References").
- 2. Make sure all fasteners are tight. Tighten if necessary.
- 3. Check slider bars for wear. If worn, do the following: If bar is not contacting belt but has more than 1/16 in. (2 mm) of material left at support bar, adjust bar height as follows:
 - a. Loosen stop nuts on carriage bolts (see Figure 7, item E).
 - b. Move bar and attaching components towards centerline of belt until bar-to-belt contact occurs.
 - c. Tighten stop nuts on carriage bolts.

Turning Bars Over

- 1. Remove bolt D on both sub-assemblies.
- 2. Loosen bolt G and flip bar lock F down.
- 3. Remove bar and turn upside down.
- 4. Reinstall. Tighten all bolts.

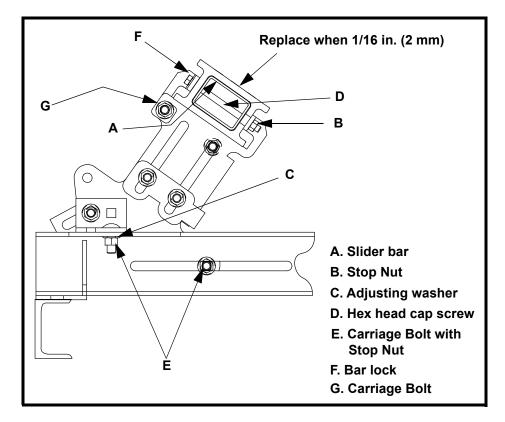


Figure 7. Adjusting or Replacing Slider Bars





Failure to remove tools from installation area and conveyor belt before turning on energy source can cause serious injury to personnel and damage to belt.

5. Remove all tools from maintenance area.



▲ DANGER

Do not touch or go near conveyor belt or conveyor accessories when conveyor belt is running. Body or clothing can get caught and pull body into conveyor belt, causing severe injury or death.

6. Start conveyor belt.

Troubleshooting/Installation Checklist

Troubleshooting If you are experiencing problems with support cradle, see below.

Symptom	Corrective Action
High slider bar wear	Bar is above idler height or is not parallel to belt travel. Adjust bar height or position.
Uneven slider bar wear	Bar is not parallel to belt travel or is under impact. Inspect loading area and divert impact or relocate cradle.

Installation Checklist

If after taking the corrective actions suggested under "Troubleshooting" you are still experiencing problems, check for the following:

Installation Checklist

- Two support weldment or track weldment centers are 13 in. (330 mm) from face to idlers and 24 in. (610 mm) apart.
- Two support rollers are used for belts 48- through 96-in. (1200- through 2400-mm) wide and are centered under belt.
- Slider bars contact belt and follow contour of belt.
- Ends of slider bars are 1 in. (25 mm) from face of idlers.

Notes

Part Numbers

This section provides product names and corresponding part numbers for Martin[®] Slider Cradles and related equipment. Please reference part numbers when ordering.

Martin[®] Slider Cradles

Martin[®] **Multi-Trough Design, Single-Bar Slider Cradle**: P/N 36700-18XXX. See Figures 8a and 8b.

Martin[®] Multi-Trough Design, Single-Bar Slider Cradle: P/N 36700-XXXXX. See Figures 9a and 9b.

Martin[®] **Multi-Trough Design, Double-Bar Slider Cradle**: P/N 36700-XXXXX. See Figures 10a and 10b.

NOMENCLATURE	36700	XX	X X	X
D/N Drafix		Т	TT	Т
P/N Prefix				
Belt Width —				
Stringer Base —			-	
Slider Bar Length ————				
Material —				

BELT WIDTH

XX: XX indicates belt width in inches (18 thru 72)

STRINGER BASE

S: Standard **W**: Wide

SLIDER BAR LENGTH

Blank: 48 inches 2: 24 inches

MATERIAL

Blank: Mild Steel S: 304 Stainless Steel F: 316 Stainless Steel

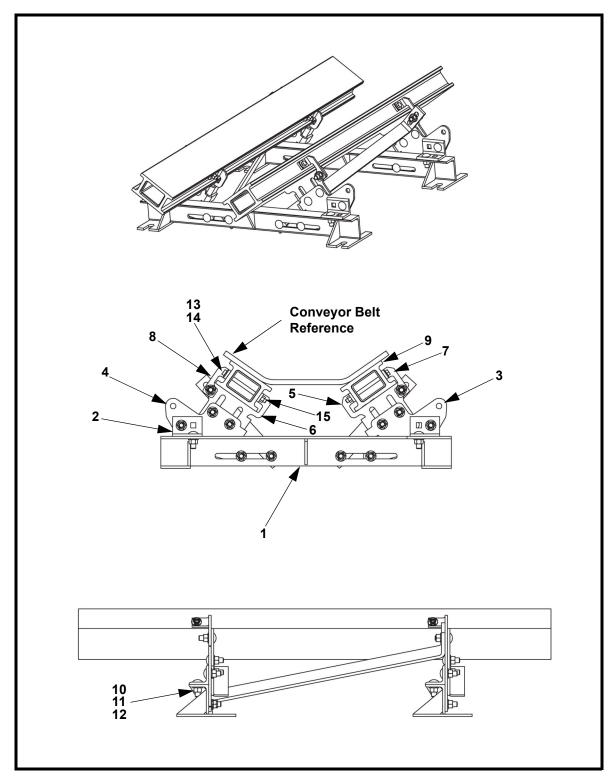


Figure 8a. Martin® Slider Cradle Assembly (Single-Bar), P/N 36700-18XXX

Item	Description	Part No.	Qty
1	Cross Support Weldment	Table V	2
2	Angle Support	36673X	4
3	Wing Plate	36669-18RX	2
4	Wing Plate	36669-18LX	2
5	Bar Support Plate	36670-18RX	2
6	Bar Support Plate	36670-18LX	2
7	Bar Lock	36672-RX	2
8	Bar Lock	36672-LX	2
9	Slider and Support Bar Assy	Table V	2
10	Bolt Carriage 1/2-13NC ZPx1.50 ZP	Table V	Table V
11	1/2 Compression Washer	Table V	Table V
12	1/2-13NC ZP Nut Hex	Table V	Table V
13	3/8 Wide ZP Flat Washer	Table V	4
14	3/8-16 NCx5 ZP Screw	Table V	4
15	Nut Hex Elastic Lock 3/8-16NC	Table V	4
NS	Stabilizer Strap	36759X	Table V
NS	Label Kit	34769	1
NS	Operator's Manual	M3596	1
NS	Mounting Hardware Kit	Table V	1

NS = Not Shown

Figure 8b. Martin[®] Slider Cradle Assembly (Single-Bar), P/N 36700-18XXX

Table V. Martin[®] Slider Cradle Assembly (Single-Bar), P/N 36700-18XXX Part Numbers and Quantities

Assembly Part Number	P/N Item 10	P/N Item 11	P/N Item 12	P/N Item 13	P/N Item 14	P/N Item 15	P/N Item 19
36700-18XX	33225	11750	11771	18007	30840	14201	34498
36700-18XXS	SUS10052	24310	17151	16055	32749	16204	34498-C
36700-18XXF	30310032	24310	17 13 1	10055	32149	10204	34498-316

Assembly Part Number	P/N Item 1	Qty Item 16
36700-18SXX	36716-18SX	2
36700-18S2X	307 10-100X	0
36700-18WXX	36716-18WX	2
36700-18W2X	30710-1000	0

Assembly Part Number	P/N Item 9	Qty Items 10,11,12
36700-18XX	31275-X	26
36700-18X2X	31275-24X	24

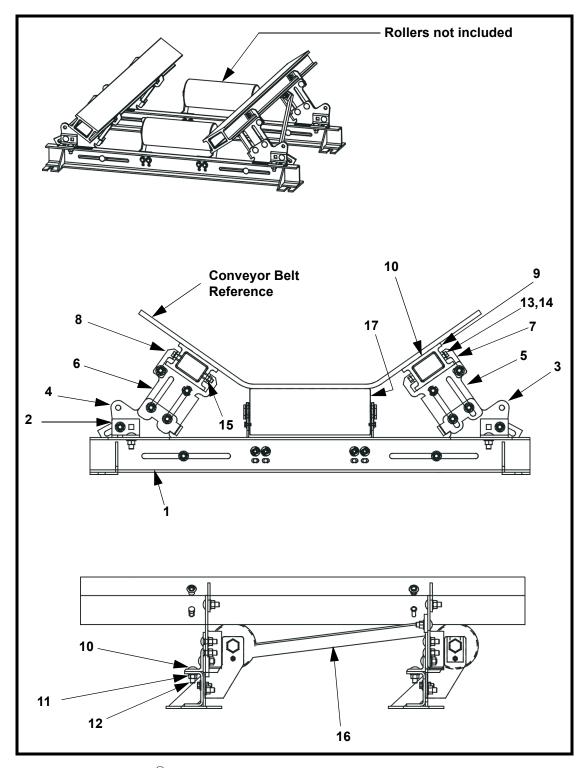


Figure 9a. Martin® Slider Cradle Assembly (Single-Bar), P/N 36700-XXXXX

Item	Description	Part No.	Qty
1	Cross Support Weldment	Table VI	2
2	Angle Support	36673X	4
3	Wing Plate	36669-RX	2
4	Wing Plate	36669-LX	2
5	Bar Support Plate	36670-RX	2
6	Bar Support Plate	36670-LX	2
7	Bar Lock	36672-RX	2
8	Bar Lock	36672-LX	2
9	Slider Bar and Support Bar Assembly	Table VI	2
10	Bolt Carriage 1/2-13NC ZPx1.50 ZP	Table VI	Table VI
11	1/2 Compression Washer	Table VI	Table VI
12	Nut Hex 1/2-13NC ZP	Table VI	Table VI
13	Flat Washer 3/8 Wide ZP	Table VI	4
14	Screw HHC 3/8-16 NCx5 ZP	Table VI	4
15	Nut Hex Elastic 3/8-16 NC	Table VI	4
16	Stabilizer Strap	36759X	Table VI
17	Support Roll Kit	Table VI	1
NS	Label Kit	34769	1
NS	Operator's Manual	M3596	1
NS	Mounting Hardware Kit	Table VI	1

NS = Not Shown

Figure 9b. Martin® Slider Cradle Assembly (Single-Bar), P/N 36700-XXXXX

Table VI. Martin[®] Slider Cradle Assembly (Single-Bar), P/N 36700-XXXXX Part Numbers and Quantities

Assembly Part Number	P/N Item 1	Qty Item 16	Assembly Weight Without Roll
36700-24SX	36716-24SX	2	131
36700-24S2X	30710-2437	0	84
36700-24WX	26746 241417	2	137
36700-24W2X	- 36716-24WX	0	90
36700-30SX	36716-30SX	2	137
36700-30S2X	30710-3037	0	90
36700-30WX	36716-30WX	2	143
36700-30W2X	30710-3000	0	96
36700-36SX	36716-36SX	2	143
36700-36S2X	30710-3037	0	96
36700-36WX	36716-36WX	2	148
36700-36W2X	30710-3000	0	102
36700-42SX	36716-42SX	2	160
36700-42S2X	30/10-4237	0	113
36700-42WX	36716-42WX	2	168
36700-42W2X	30/10-42	0	120

Assembly Part Number	P/N Item 10	P/N Item 11	P/N Item 12	P/N Item 13	P/N Item 14	P/N Item 15	P/N Item 20
36700-18XX	33225	11750	11771	18007	30840	14201	34498
36700-18XXS	SUS10052	24310	17151	16055	32749	16204	34498-C
36700-18XXF	30310032	24310	17131	10055	32149	10204	34498-316

Assembly Part Number	P/N Item 9	Qty Items 10,11, 12
36700-XXXX	31275-X	26
36700-XXX2X	31275-24X	24

Belt Width in. (mm)	P/N Item 17
24 (500–600)	36725-D509X
30–42 (600–1200)	36725-D513X

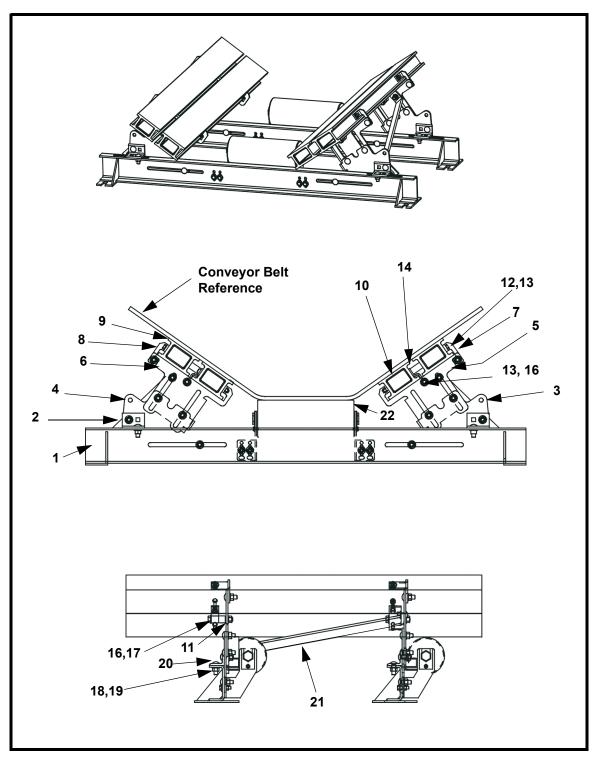


Figure 10a. Martin[®] Slider Cradle Assembly (Double-Bar), P/N 36700-XXXXX

Item	Description	Part No.	Qty
1	Cross Support Weldment	Table VII	2
2	Angle Support	36673X	4
3	Double-Bar Wing Plate	36697-RX	2
4	Double-Bar Wing Plate	36697-LX	2
5	Double-Bar Support Weldment	36695-RX	2
6	Double-Bar Support Weldment	36695-LX	2
7	Bar Lock	36672-RX	2
8	Bar Lock	36672-LX	2
9	Slider Bar and Support Weldment	Table VII	4
10	Inner Bail Weldment	36703-WX	4
11	Inner Bail Tube	36701X-S	4
12	Washer Flat 3/8 Wide	Table VII	4
13	Screw HHC 3/8-16NC x 4-1/2	Table VII	4
14	Inner Bolt Weldment	36699X	4
15	Nut Hex Elastic Lock 3/8-16NC	Table VII	4
16	Washer Flat 1/2 Narrow	Table VII	4
17	Screw HHC 1/2-13NC x 3	Table VII	4
18	Washer Compression 1/2	Table VII	30
19	Nut Hex 1/2-13NC	Table VII	30
20	Bolt Carriage 1/2-13NC x 1.50	Table VII	26
21	Stabilizer Strap	Table VII	2
22	Support Roll Kit	Table VII	1
NS	Label Kit	34769	1
NS	Operator's Manual	M3596	1
NS	Mounting Hardware Kit	Table VII	1

NS = Not Shown

Figure 10b. Martin[®] Slider Cradle Assembly (Double-Bar), P/N 36700-XXXXX

Table VII. Martin® Slider Cradle Assembly (Double-Bar), P/N 36700-XXXXX Part Numbers and Quantities

Assembly Part Number	P/N Item 1	P/N Item 22	Assembly Weight
36700-48SX	36716-48SX		268
36700-48S2X	30/10-403/	- 36725-0613X	189
36700-48WX	36716-48WX	30725-00137	275
36700-48W2X	30710-4000		196
36700-54SX	36716-54SX		296
36700-54S2X	30710-3437		217
36700-54WX	00740 541404	36725-0621X	303
36700-54W2X	36716-54WX		224
36700-60SX	36716-60SX		319
36700-60S2X	30710-0037		240
36700-60WX	36716-60WX		327
36700-60W2X	30710-0000		248
36700-72SX	26716 72SV		388
36700-72S2X	36716-72SX	- 36725-0633X	297
36700-72WX	36716-72WX		400
36700-72W2X	30710-7200		307

Assembly Part Number	P/N Item 12	P/N Item 13	P/N Item 15	P/N Item 16	P/N Item 17	P/N Item 18	P/N Item 19	P/N Item 20	P/N Item 25
36700-XXXX	18007	34082	14201	31010	19136	11750	11771	33225	34498
36700-XXXXS	16055	37764	16204	17152	22425	24310	17151	SUS10052	34498-C
36700-XXXXF	10055	37704	10204	17 132	22423	24310	17 131	30310032	34498-316

Assembly Part Number	P/N Item 9	P/N Item 21
36700-XXXX	31275-X	36759X
36700-XXX2X	31275-24X	36759-24X



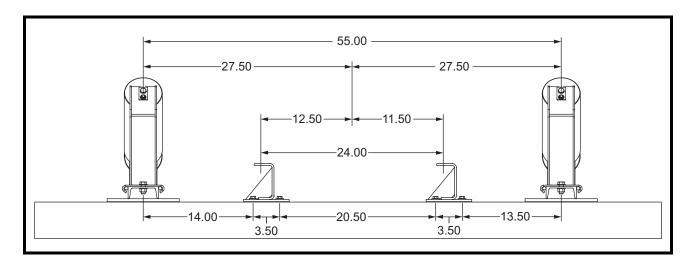
Lock out and/or tag out all energy sources to conveyor system and loading system before performing any work on conveyor or conveyor accessories. Failure to do so could result in severe injury or death.

Cierre y/o rotule todas las fuentes de energía al sistema transportador y al sistema de carga antes de realizar cualquier trabajo en el transportador o sus accesorios. El no hacerlo puede resultar en heridas serias o muerte.

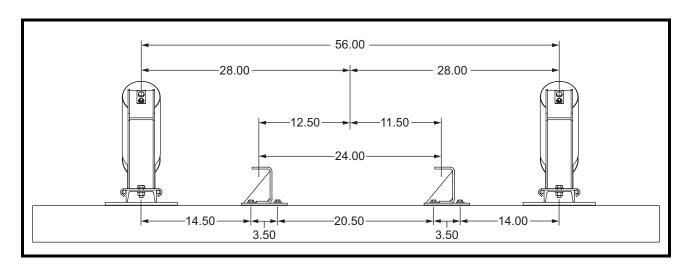
Label P/N 23395

Figure 11. Conveyor Products Warning Label, P/N 23395

Appendix



Martin® Slider Cradle with 5 inch Idlers Mounting Dimensions*



Martin® Slider Cradle with 6 inch Idlers Mounting Dimensions*

*Note: Dimensions do not apply to Martin $^{\mathbb{R}}$ Slider Cradles P/N 36700-18XXX



Problem Solved™ GUARANTEED!



For nearly 30 years, Martin Engineering's Foundations™ Books have taught industry personnel to operate and maintain clean and safe belt conveyors. The Foundations™ Book, fourth edition, focuses on improving belt conveyors by controlling fugitive material. "The Practical Resource for Total Dust and Material Control," is a 576-page hard cover volume that provides information of value to industries where the efficient handling of bulk materials is a key to productivity and profitability.

Expanding upon the book, our Foundations™ Training Program addresses the design and development of more productive belt conveyors, and is offered in three customizable seminars. Attendees gain a better understanding of conveyor safety and performance, helping to justify upgrade investments and increase profitability.



Martin Engineering USA

One Martin Place Neponset, IL 61345-9766 USA 800 544 2947 or 309 852 2384 Fax 800 814 1553 www.martin-eng.com

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001=