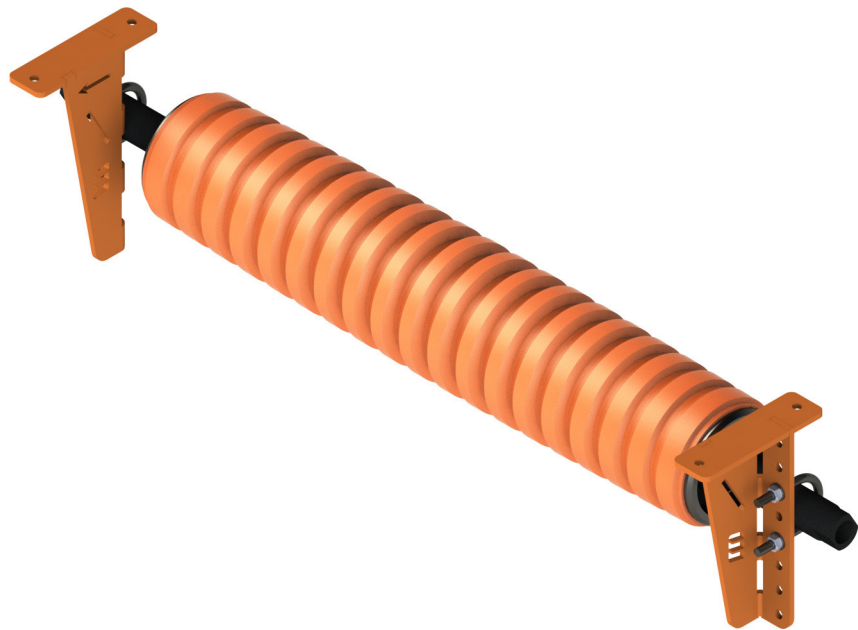


martin®

Martin®
Roller Tracker™



Operator's Manual
M4027

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.

Installation



⚠ DANGER

Before installing, servicing, or adjusting the 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.

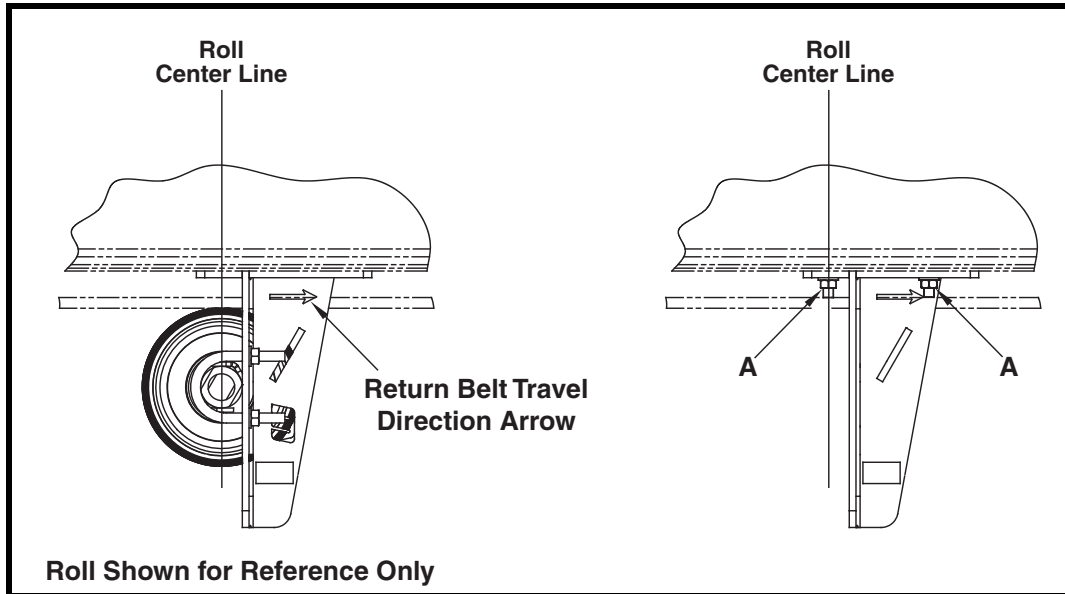


Figure 1. Martin® Roller Tracker™ Mounting Location

1. Turn off and lockout / tagout / blockout / testout energy source according to ANSI standards.
2. Remove existing return belt idler and brackets.

NOTE

Arrow on bracket indicates belt direction. Make sure bracket is installed with arrow pointing the direction the return side of the belt will be traveling.

3. Mark center line of Martin® Roller Tracker™ roll on stringer. Make sure center line is perpendicular to belt line.
4. Using the bracket as a template, align small slot on mount bracket with roll center line and mark location of mounting holes.
5. Drill or cut holes in stringer. Remove burrs and sharp edges.
6. Install bracket onto stringer using cap screws, washers, and nuts (A).
7. Repeat steps 3–6 on opposite side of conveyor.

IMPORTANT

Set height of Martin® Roller Tracker™ approximately 3/16 in. (5 mm) higher than removed return idler.

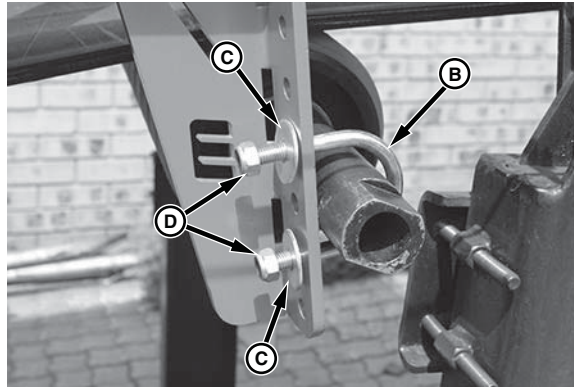


Figure 2. Installing Roll onto Brackets

8. Determine proper mounting holes on brackets. Install roll onto brackets using U-bolts (B). Fasten U-bolts with washers (C) and nuts (D), but do not fully tighten.
9. Center roll on stringer.

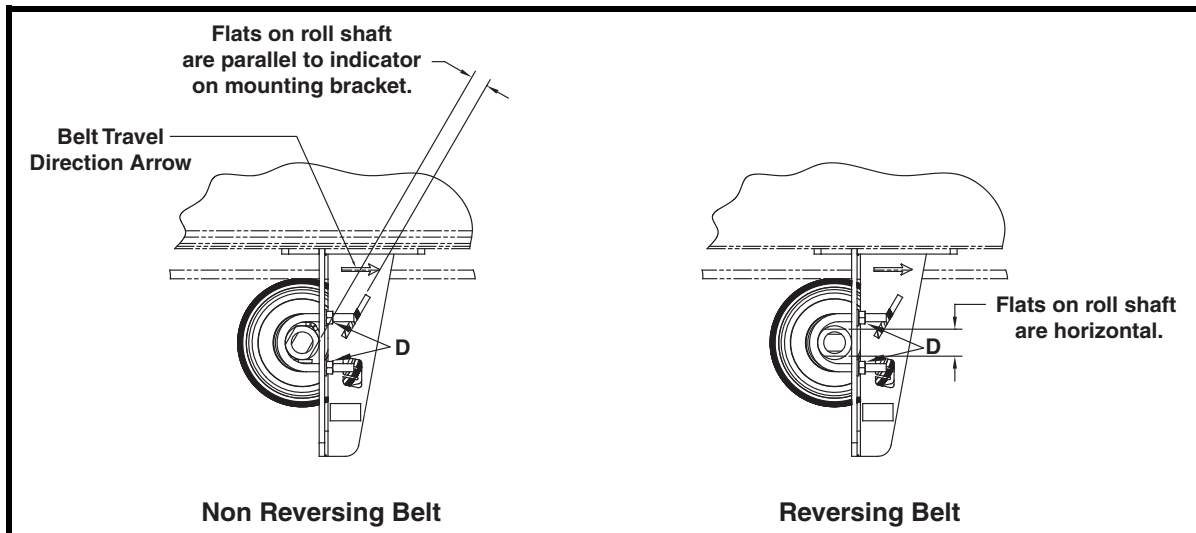


Figure 3. Roll Shaft Orientation

10. For non reversing belts, rotate center shaft of roll so machined flats on shaft are parallel with indicator on bracket. Approximate angle is 30 degrees towards the direction of the return belt.
11. For reversing belts, rotate center shaft of roll so machined flats on shaft are horizontal.
12. Tighten nuts (D) on U-bolts.
13. Make sure all fasteners are tight and remove all tools from installation area.

Part Numbers

NOMENCLATURE

MRT XX

P/N Prefix

Belt Width (inches)

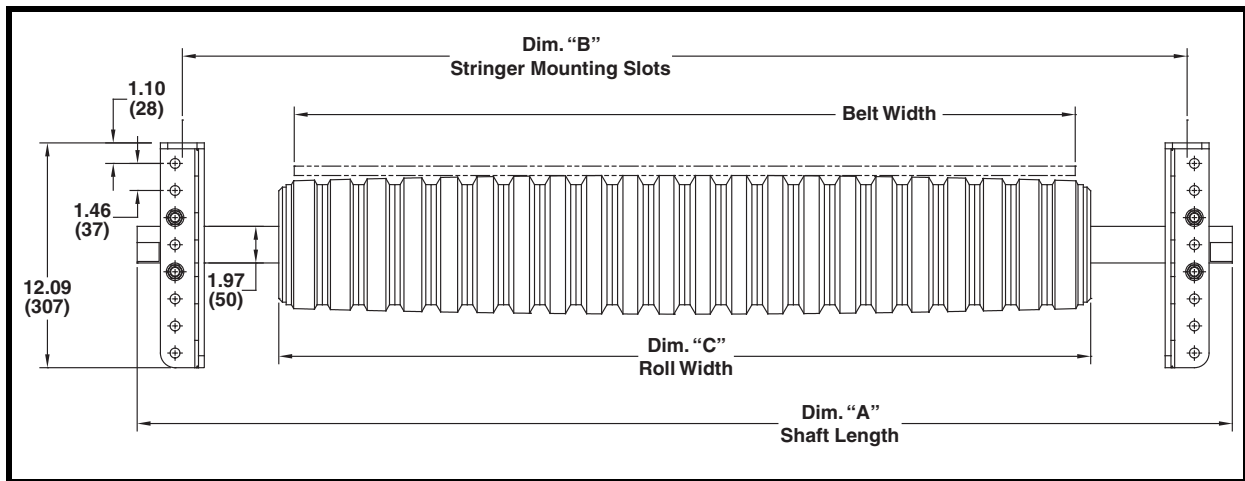
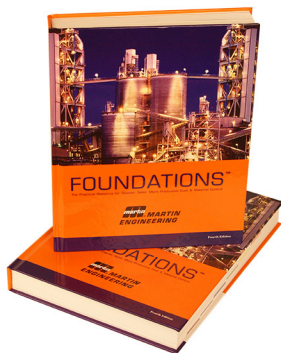


Table I. Martin[®] Roller Tracker[™] Dimensions

Assembly P/N	Belt Width in. (mm)	Dim. "A"	Dim. "B"	Dim. "C"
MRT-20	20 (500)	36.97 (939)	28.98 (736)	22.24 (565)
MRT-24	24 (600)	40.87 (1038)	32.99 (838)	26.14 (664)
MRT-30	30 (750)	46.85 (1190)	38.98 (990)	31.97 (812)
MRT-36	36 (900)	52.91 (1344)	45.04 (1144)	37.83 (961)
MRT-42	42 (1050)	58.90 (1496)	51.02 (1296)	43.66 (1109)
MRT-48	48 (1200)	64.88 (1648)	57.01 (1448)	49.53 (1258)
MRT-54	54 (1350)	70.87 (1800)	62.99 (1600)	57.32 (1456)
MRT-60	60 (1500)	76.85 (1952)	68.98 (1752)	63.15 (1604)

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