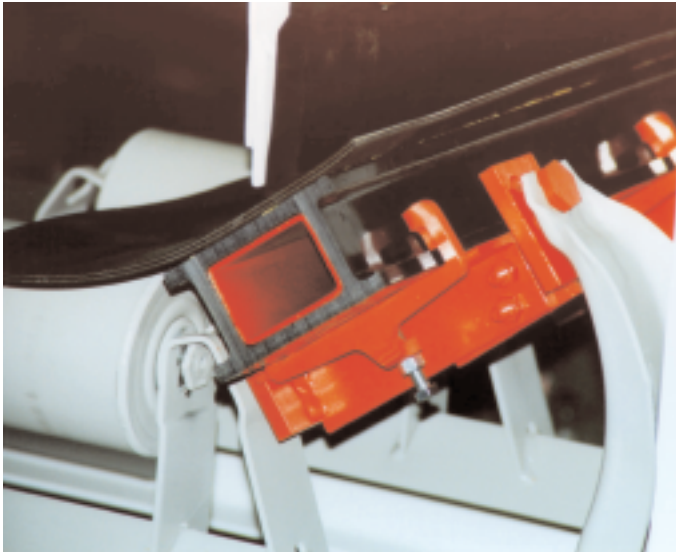


# MARTIN® GUARDASEAL™ Idler Conversion Kit



Form No. L3614-UK-11/04

TECHNICAL DATA



*Eliminate Sag, Spillage, and Material Entrapment Improve Belt Support with MARTIN® GUARDASEAL™ Bars*

*The MARTIN® GUARDASEAL™ Idler Conversion Kit improves a conveyor's belt support system, stabilizing the belt line, improving sealing, and preventing spillage. This simple kit links two or more troughing idler frames, replacing the wing rollers with MARTIN® GUARDASEAL™ Support Bars.*

## **Problems:**

*Belt sag between idlers allows spillage, creating maintenance problems, cleanup costs, and regulatory issues.*

*Entrapped material gouges belt cover, shortening belt life.*

## **Solution:**

*Stable sag-free belt line allows improved sealing for reduced spillage and reduced maintenance problems.*

*No bearings to seize; no lubrication required.*

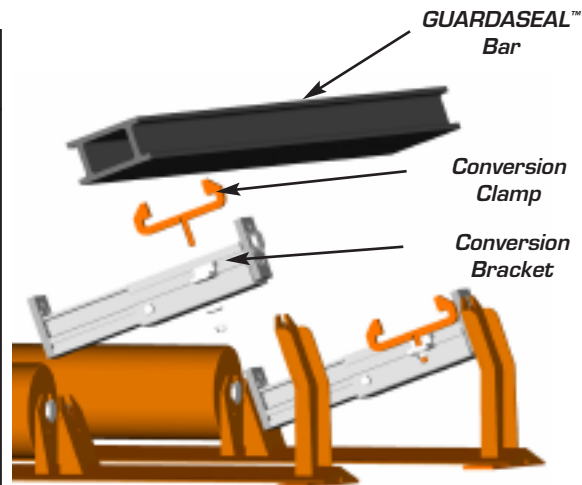
## **Benefits**

- **Stable Belt Line Improves Sealing**  
*No more sag, no more spillage. Edge sealing systems work more effectively on stable belt line.*
- **Prevents Entrapment Damage**  
*Without sag, there's no risk of material becoming wedged in pinch point to gouge belt.*
- **Economical Conveyor Upgrade**  
*Reuse existing idler frames and center rollers for a cost-conscious system improvement.*
- **Reduces Maintenance**  
*No adjustment necessary; no lubrication required.*
- **Low Friction Surface**  
*Improve belt support without increasing drive power requirements.*
- **Flexible Placement**  
*Custom-length bars improve belt support at points where conveyor needs it most, including tight spaces.*
- **Simple to Install**  
*Replace wing rollers easily; kit conforms to a wide range of idler manufacturers.*

## Conversion Kit

Select by belt width

Belt Width in. (mm)	P/N	Each Kit Includes
18 (457)	37135-K18	• Two GUARDASEAL™ Idler Conversion Brackets (enough for one idler set).
24 (610)	37135-K24	
30 (762)	37135-K30	
36 (914)	37135-K36	• Two or four GUARDASEAL™ Conversion Clamps (to hold GUARDASEAL™ Bars to Conversion Brackets.) Two are included by belt width up to 42" there one bar per side is needed, four are included from 48" to 96" there two bars per side are needed.
42 (1067)	37135-K42	
48 (1219)	37135-K48	
54 (1372)	37135-K54	
60 (1524)	37135-K60	
66 (1676)	37135-K66	
72 (1829)	37135-K72	
84 (2134)	37135-K84	
96 (2438)	37135-K96	



## Support Bar

Select by length of bar required.

Bar Length ft (mm)	P/N
2 (610)	37135-B24
3 (914)	37135-B36
4 (1219)	37135-B48
5 (1524)	37135-B60
6 (1829)	37135-B72
7 (2134)	37135-B84
8 (2438)	37135-B96
9 (2743)	37135-B108
10 (3048)	37135-B120
11 (3353)	37135-B132
12 (3658)	37135-B144

Each P/N is one bar; order enough bars for both sides of each cradle. Note if cradles need one bar or two bars per side.

## Notes

Double Bar Conversion Kits are recommended for applications where conveyor capacity is more than 450 tons (408 metric tons) per hour, or where the wing rolls are longer than 13 inches (330 mm), as typically seen on belts over 36 inches (900 mm) wide.

Wing Roll must be a minimum of 14 1/2 in. to hold two bars.

To add an additional bar to belt widths less than 48" order P/N 37613. P/N 37613 contains 1 clamp assembly. Need 2-37613 per bar.

When installing more than four feet (1.2 m) of MARTIN® GUARDASEAL™ Belt Support Cradles, it is necessary to check for adequate power in the conveyor drive to overcome the additional friction against the belt. Contact Martin Engineering for additional information.

MARTIN® GUARDASEAL™ Belt Support Cradles are not recommended for conveyors operating at speed over 700 fpm (3.5 m/sec) or conveyors less than 50 ft (15 m) in length. To improve belt support on short conveyors or high-speed belts, contact Martin Engineering.

**To Order:** Measure distance to be supported and count the idlers to be converted.

EXAMPLE	
Belt Width	30 in. (762 mm)
Distance to be Converted (Ea.Side)	32 ft. (9.75 m)
Number of Idlers to convert:	6

CORRECT ORDER	
Conversions Kit: P/N 37135-K30	Quantity: 6
Support Bars P/N 37135-B132	Quantity: 4
Support Bars P/N 37135-B120	Quantity: 2

