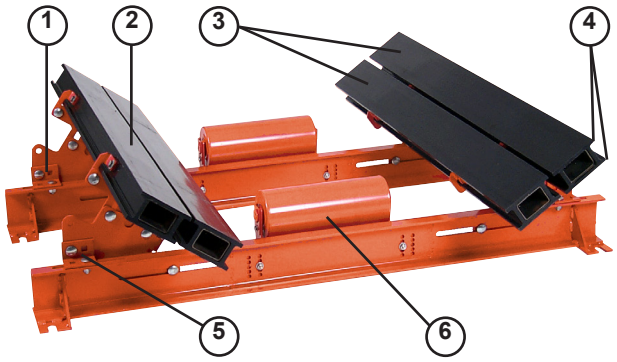
# Martin® Guardaseal




Das Martin® Guardaseal belt support system is installed under the slowdown zone of a transfer point, providing support for the belt edges to prevent sag.

This prevents bulk-good losses, stabilises the belt run, and provides good skirting of the belt edge.

The belt support system is available with UHMW or stainless-steel bars, enabling it to be installed under various conditions.

**1** Adjustable troughing angle
**2** One or two-bar design
**3** Low-friction bars
**4** Double wear surface
**5** Wear adjustment
**6** Belt support rollers (standard in the two-bar design)

## Technical specifications of the bars

| | |
|---|---|
| **Bar material** | UHMW polyethylene |
| **Bar dimensions (L x W x H)*** | 1220 x 127 x 72 mm |
| **Friction coefficient** | 0.5 |
| **Specific weight** | 0.94 |
| **Durometer** | 62 (Shore D) |
| **Operating temperature** | -30° to +60°C |
| **Belt speed, max.**** | 3.5 m/s |
| **Bar part number** | 31275 |

### Remarks

* Special lengths available.

** We do not recommend using the belt support system if the conveyor speed exceeds 3.5 m/s and/or the belt is shorter than 15 meters. Please contact Martin Engineering for further information.

- We recommend using an Martin® Trac-Mount™ roller set both upstream and downstream of the belt support system.
- When one or more belt support systems are used, then a check must be made as to whether the conveyor belt's drive system has enough power to overcome the additional friction. Please contact Martin Engineering for further information.

## Features

- **Stabilises the belt run**
  Bars support the conveyor-belt edge and enable good skirting.
- **Protects the belt**
  Crushing points where Bulk goods become jammed and damage the belt could be avoided.
- **Low friction**
  The conveyor belt slides smoothly over UHMW or stainless-steel bars with very little required added driving force and minimal heat formation.
- **Double wear surface**
  Unique "box" design of the UHMW bars make it possible to use both the top and bottom of a bar.
- **Low maintenance**
  Wear adjustment, easily with a hand tool. Bar replacement possible without de-installing the entire system.
- **Adjustable**
  The system can be easily adjusted to every troughing angle between 0 and 45°. Additional options for the most diverse usage conditions.

## Selection Guide

| Conveyor-belt width in mm (inch) | Bars per side | Support roller |
|---|---|---|
| 500-600 (18-24) | On* | - |
| 800-1200 (30-42) | On* | Optional* |
| 1400 - 2400 (48-96) | Two | Component |

* We recommend the two-bar design for belt speeds exceeding 2.5 m/s and/or loading zones with high impact velocities.

** Support rollers are generally recommended for usage conditions in which the conveying capacity exceeds 400 t/h.



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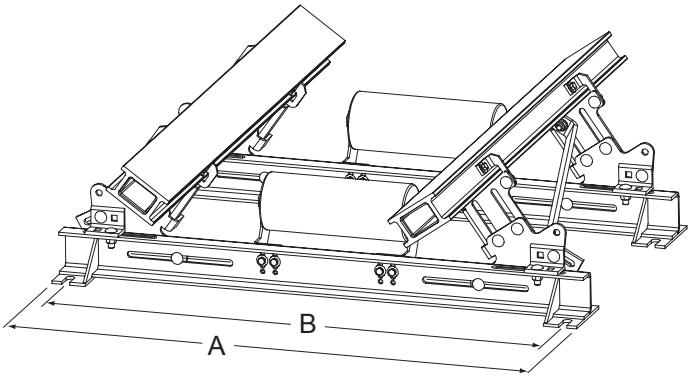
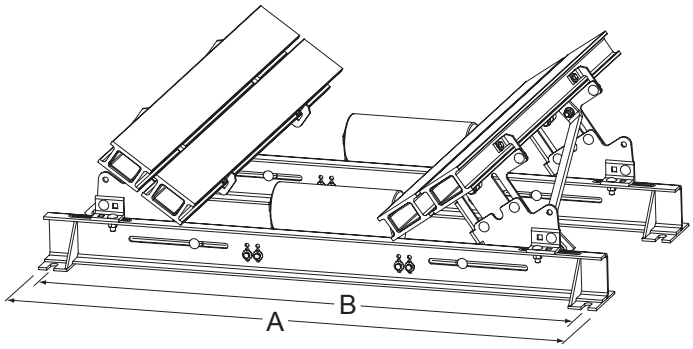



**One-bar design** with optional support roller




**Two-bar design**

**Dimensions and order information**

| Part no. | Belt width | | Frame design | Frame width (A) | Installation holes (B) | Shipping weight |
|---|---|---|---|---|---|---|
| | [in] | [mm] | | [mm] | [mm] | [kg] |
| **One-bar design** | | | | | | |
| 36700-18S<br>36700-18W | 18 | 500 | Standard<br>Extended length | 750<br>902 | 686<br>838 | 50<br>52 |
| 36700-24S<br>36700-24W | 24 | 650 | Standard<br>Extended length | 902<br>1054 | 838<br>991 | 54<br>57 |
| 36700-30S<br>36700-30W | 30 | 800 | Standard<br>Extended length | 1054<br>1207 | 991<br>1143 | 61<br>64 |
| 36700-36S<br>36700-36W | 36 | 1000 | Standard<br>Extended length | 1207<br>1359 | 1143<br>1295 | 64<br>67 |
| 36700-42S<br>36700-42W | 42 | 1200 | Standard<br>Extended length | 1359<br>1511 | 1295<br>1448 | 71<br>74 |
| **Two-bar design** | | | | | | |
| 36700-48S<br>36700-48W | 48 | 1400 | Standard<br>Extended length | 1551<br>1664 | 1448<br>1600 | 115<br>118 |
| 36700-54S<br>36700-54W | 54 | 1600 | Standard<br>Extended length | 1664<br>1816 | 1600<br>1753 | 125<br>128 |
| 36700-60S<br>36700-60W | 60 | 1800 | Standard<br>Extended length | 1816<br>1969 | 1753<br>1905 | 135<br>139 |
| 36700-72S<br>36700-72W | 72 | 2000 | Standard<br>Extended length | 2121<br>2273 | 2057<br>2210 | 150<br>154 |

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