BELT TRACKER
ALIGNMENT SYSTEMS

Wandering Conveyor belts lead to many potentially expensive problems. These include material spillage, reduced life for belting and structure, and increased maintenance.

ESS offers a choice of specialised systems and services that will keep your conveyor belt aligned and your operation on the track to improved profitability.

The efficient system works to; reduce dust and spillage, prevent damage to the structure, extend belt life and improve operating efficiency on all belts, under all conditions.

FEATURES & BENEFITS

CONVEYOR BELT TRACKING SYSTEM

ESS GAB Impact Bars extend the life of the conveyor. The shock absorbing capacity eliminates the crushing damage to the belt, idlers and conveyor structure, which is associated with loading heavy materials from a high drop point.

CONSTANT BELT ALIGNMENT

Continuous automatic precision adjustment of the patented parallel steering system keeps the belt tracking correctly.

Continuous correction overcomes material build-up that jams other belt trainers.

The tracker is available in upper (for carry-side) and lower (for return side) configurations, made in either mild steel or stainless steel.

Either unit uses your typical idler frames and rollers for consistency of spare parts also available in trough carry side or 1,2 or 4 roll return arrangements.

ESS HEAVY-DUTY TRACKER BELT TRACKING SYSTEM

Design considerations have included the need to reduce risk to personnel servicing or installing equipment. Each bar and wing slide can be removed by a single person reducing manual handling hazards.

RUGGED ENGINEERING FOR TOUGH CONDITIONS

Reinforced construction withstands punishing applications.

Keeps heavily loaded belts in the proper path to reduce damage and fugitive material.
**HOW IT WORKS**

ESS Belt Tracking Systems automatically sense and continuously correct belt mis-tracking. A light touch of the belt against the guide rollers creates precision correction. The patented tie rod aligner translates the action of the guide roller pivot assembly to the training idler. The upper guide unit is used on the carry side of the belt; the lower guide unit is used on the return side.

The client must supply a steering roller. Typically the roller removed from the system will suffice. For greater efficiency of the TRACKER, ESS recommends the steering roller be coated with a rubber lagging.

**Typical Application Points**
- One upper unit located immediately the belt exits the loading area to centralise any off centre loading
- One upper unit prior to discharge
- One lower unit prior to the belt entering the tail pulley, ensuring the belt is de aligned in the loading area
- One unit lower to keep the belt running through the takeup system

<table>
<thead>
<tr>
<th>STANDARD DUTY</th>
<th>EXTREME HEAVY DUTY</th>
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</thead>
<tbody>
<tr>
<td>BELT WIDTH</td>
<td>LOWER UNIT P/N</td>
</tr>
<tr>
<td>600 to 1050</td>
<td>79060600L</td>
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<tr>
<td>1200 to 1350</td>
<td>79061200L</td>
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**BACK UP AND SUPPORT**

ESS backs up its products 100%. We proudly manufacture all our products at two separate locations in Australia.

ESS maintains local stores and service crew’s in most Australian mining centres. Service crews are available for installation, service, inspection and troubleshooting.

ESS design team provide a solution to your specific plant requirements.