



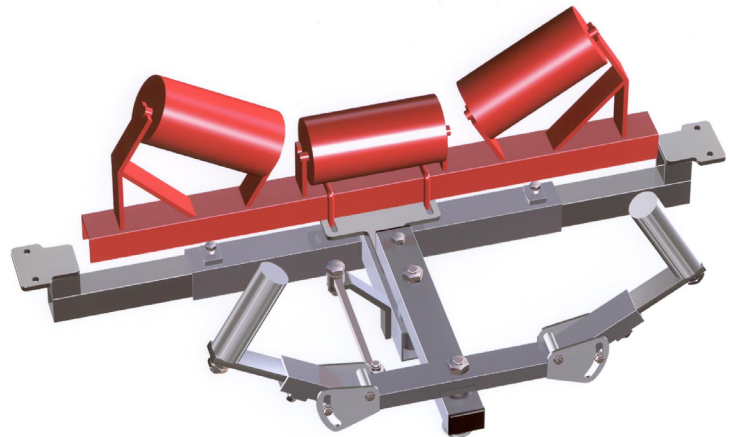
# UPPER BELT TRACKER ALIGNMENT SYSTEM

*Belt drift is the tendency of the belt to move from the conveyor structure's centerline. All conveyor systems are designed to allow for some belt drift during regular operation. If the belt mis-tracks outside these parameters, spillage and damage can occur to the conveyor structure, belt, and conveyor components.*

*This ultimately results in interruption to production, increased safety issues, compromised WHS, environmental contamination, manual handling issues, conveyor maintenance, clean-up and increased replacement expenses.*

*ESS Belt Trackers automatically sense and continuously correct conveyor belt mistracking. This efficient unit reduces spillage, prevents damage to the belt or structure, extends belt life and improves operating efficiency on all belts under all conditions.*

*ESS Upper Belt trackers are designed to be installed on the carry side of the conveyor belt.*



## FEATURES & BENEFITS

### MULTI-PIVOT DESIGN

*The multi-pivot design allows the rollers to move perpendicular to the structure's centerline while directing the steering idler to the proper angle instead of pivoting and pinching the belt edge.*

### CONSTANT BELT ALIGNMENT

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

### PRECISION BELT ALIGNMENT

*ESS Tracker's tie rod aligner translates belt action into correcting force, providing continuous precision adjustment.*

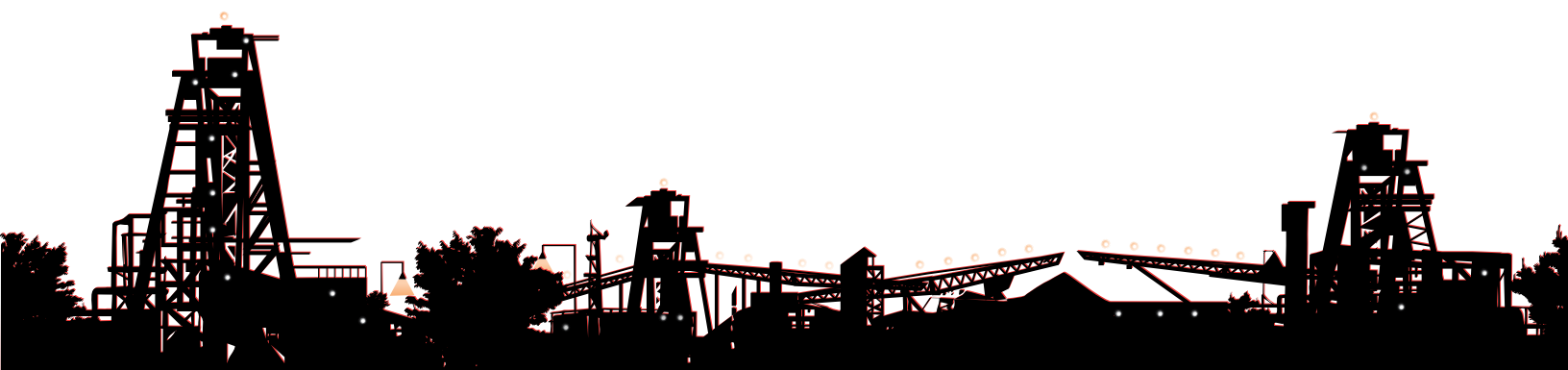
### UNIT OPTIONS

*Depending on the root cause and location of the initial mistracking, belt tracking units may need to be installed on either the return or carry sides of the belt.*

### STANDARD AND HEAVY-DUTY OPTIONS

*Standard Duty Belt Trackers are available in upper and lower units for belt widths between 600-1350 mm.*

*Heavy-duty Belt Trackers are available in upper and lower units for wider belt widths, higher speeds and thick belts.*



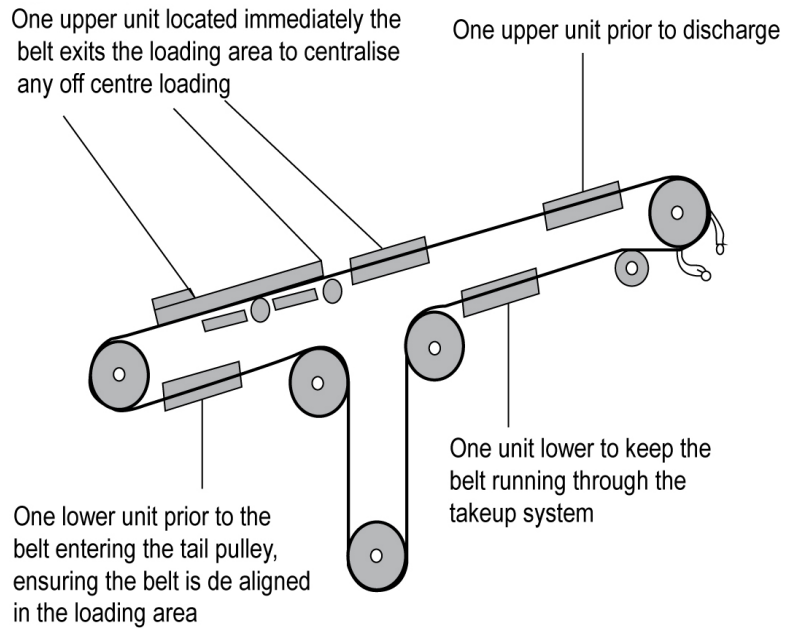
## HOW IT WORKS

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



STANDARD DUTY			EXTREME HEAVY DUTY		
BELT WIDTH	LOWER UNIT P/N	UPPER UNIT P/N	BELT WIDTH	LOWER UNIT P/N	UPPER UNIT P/N
600 to 1050	79060600L	79060600U	1500 to 2000	79061500L	79061500U
1200 to 1350	79061200L	79061200U	2000 Up	Special Application	

## 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 centers. Service crews are available for installation, service, inspection and troubleshooting.

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

