

## BEST PRACTICE

LOCATION: Quarry  
ACTIVITY: Maintenance & Housekeeping  
SUB ACTIVITY: N/A  
BEST PRACTICE No: BP908  
COUNTRY OF ORIGIN: United Kingdom

ARTICLE YEAR: 2014  
COMPANY: Lafarge Tarmac  
COMPANY LOCATION: Mountsorrel Quarry  
COMPANY TEL: 07986 755517

### TITLE



### Return roller bracket for conveyor

### ARTICLE

#### DESCRIPTION

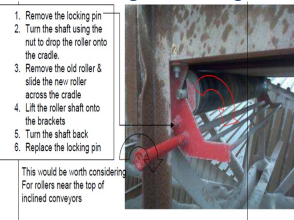
A maintenance engineer at Mountsorrel Quarry has designed a return roller bracket that addresses a range of issues that traditionally made the task of replacing the return rollers difficult and potentially hazardous. The bracket removes the de-weighting issue by replacing the return roller's normal locating points with a permanent purpose built cradle. Instead of removing the weight of the belt by raising the belt the weight is removed by pivoting the cradle downward and dropping the roller down into a 'cage' below the active conveyor. The cradle allows the roller to then be easily removed or replaced without risk of the roller accidentally falling, when in place the cradle has been designed to enable the roller to be easily lifted back into position.

#### BENEFITS

- Reduces risk for maintenance fitters who no longer struggle holding rollers for installation
- The roller can be slotted onto the catchment area with only a 30mm spanner required.
- Eliminates need to use mobile elevated work platforms on conveyors with one-sided walkways
- Eliminates risk of the return rollers falling during installation or failure
- Halved the maintenance time required to replace rollers
- Bracket can be easily and relatively cheaply fitted to existing conveyors

### ARTICLE IMAGES

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Image of roller before