

## BEST PRACTICE

**LOCATION:** Ship to shore **ARTICLE YEAR:** 2005  
**ACTIVITY:** Maintenance & Housekeeping **COMPANY:** Purfleet Aggregates  
**SUB ACTIVITY:** N/A **COMPANY LOCATION:** Essex  
**BEST PRACTICE No:** BP128 **COMPANY TEL:** 01708 865410

### TITLE

Return roller replacement tool

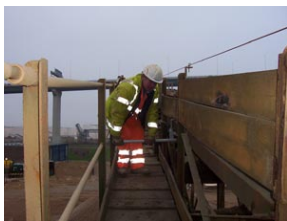
### ARTICLE

At the Hanson / CEMEX joint venture wharf on the Thames at Purfleet, employees have designed and manufactured a unique and inexpensive tool that greatly enhances the ease and safety of replacing return rollers on an elevated conveyor.

The simple tool removes the need to climb under or over the frame to lift out the roller, preventing a potential fallfrom - height hazard and reducing manual handling risks.

The tool was designed by the site foreman and made by the fitter in the workshop. Costs were minimal, as existing materials were used. Using the tool is safe and simple: once the belt is lifted away from the rollers to provide access, a flexible hook attaches to the near side of the conveyor frame and the other end supports the roller as it is levered out of its mounting. The operator then simply grasps the roller and manoeuvres it to allow him to lift it over the frame with ease. The reverse operation is used to replace the roller.

### ARTICLE IMAGES



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