

## Maintenance and Repair Manual

### 1. Maintenance

A correctly installed passco VRS is maintenance free for the period of its design life. A visual inspection regime is recommended to check for impact damage. Where this is identified, repairs must be carried out. The visual inspection should also look at the ground conditions as erosion, slippage or ponding of water can all affect the viability of a VRS product.

### 2. Repair

When repairing passco VRS only components with plastic deformation need to be replaced. If the component has only minor damage and is localized then no replacement is necessary other than for aesthetic reasons. Small scratches and indentations should be treated with a zinc rich paint. Substantially damaged beams must be replaced as must any bent posts. The bolt holes in adjacent beams should be checked for splitting or distortion and if any are identified those beams should also be replaced. The repaired installation should be checked for compliance and an inspection certificate produced. When replacing damaged components as fasteners that are removed must be replaced with new. Care should be taken to ensure ground conditions are suitable to support the replacement posts and proven by push testing. Where the push test fails, driven posts may have to be replaced with concrete foundations.

Wilnsdorf, 12.08.2016

**PASS CO**  
**PASSCO.DE GMBH**

Dortmunder Str. 8  
57234 Wilnsdorf

PASSCO.DE GmbH  
Dortmunder Straße 8  
57234 Wilnsdorf - GERMANY