

Specification text for applications in tunnel construction

Item Description of works:

Upon agreement with the site management, fit several survey markers on firm substrate and measure and record their position in order to allow easy on-site positioning with tachymeter or Totalstation for all measurements on the outside of the structure. Before fitting, use a stamping mould to engrave a position number or serial number on the marker and identify it with a waterproof pen. If the markers are placed at axis positions, the elevation and axis designation should also be indicated on the marker as described above. Survey markers by Messrs. Rothbucher Systems, Bayerisch Gmain, Tel.: +49 (0)8651/2749 Fax: +49 (0)8651/3090, including fitting using self-adhesive backing and 2 mechanical fixings.

We recommend article nos. **RS30** or **RS60** in red or grey.
For measurements above 100 m use article no. **RS AKZ6**.

In difficult positions, for example where space is restricted, we recommend article nos. **RS80**, **RS AK80** or **RS90**.

Type: _____ Quantity: _____ pieces UP: _____ TOTAL: _____

Item Description of works:

In the tube, attach survey markers to both sides and the ceiling, at 5 m spacings, and fix at least once mechanically and apply labelling. Then proceed to measure and record their position. In difficult measuring positions or where space is restricted use adapters with pre-fitted angle-survey markers. Survey markers by Messrs. Rothbucher Systems, Bayerisch Gmain, Tel.: +49 (0)8651/2749 Fax: +49 (0)8651/3090, including fitting using self-adhesive backing and 2 mechanical fixings.

When working with spray-applied concrete, we recommend article no. **RS80**; otherwise article nos. **RS AK80**, **RS AM80** or **RS AMG80**. When working with explosives, article no. **RS AMG80** must be used.

Fit the marker in accordance with manufacturer's instructions.

Type: _____ Quantity: _____ pieces UP: _____ TOTAL: _____