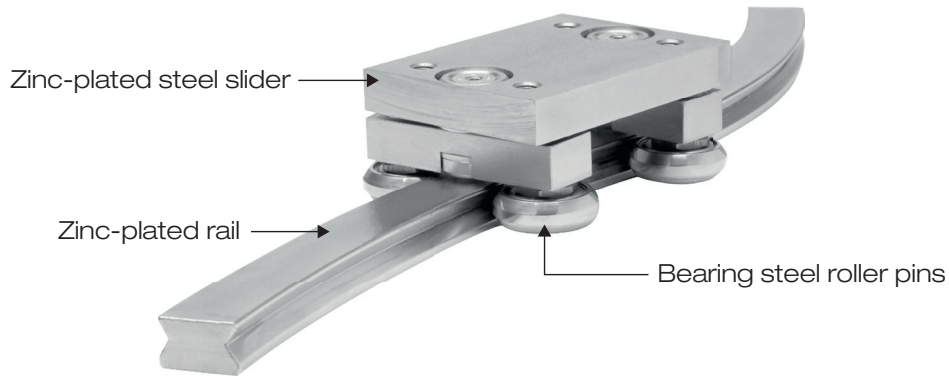


## Linear Rails for Constant and Variable Radii



Curvi Line is a rail system with curved rails intended for all non-linear special movements. The system is customised for each specific application, resulting in a highly flexible and economical solution.

Curvi Line is available in two rail widths and zinc plated or in stainless steel. Rails can be ordered with constant or variable radius according to customer requirements. The use of standard radii is recommended.

### Constant radii

The layout of CKR guide rails corresponds to a partial section of a complete circle.

### Variable radii

CVR curvilinear rail is a variable combination of various radii and straight partial pieces.

### Slider

The slider, with either three or four rollers, maintains the desired preload over the entire rail layout. Moving roller mountings and the paired application of concentric and eccentric roller pins ensures uniform running even with a complex rail layout.

## Characteristics

- Straight and curved sections in one continuous rail possible.
- Sliders with four rollers arranged in pairs maintain the preload over the entire rail length.
- Customised according to application requirements.
- Available in stainless steel.

## Application Areas

- Packaging machines
- Railway car interior doors
- Special extensions
- Shipbuilding (interior doors)
- Food industry

## **Technical Data**

- Available rail widths for CKR01/CVR01: 16.5 mm. For CKR05/CVR05: 23 mm.
- Max. slider operating speed on the rail: 1.5 m/s (depending on application).
- Max. acceleration: 2 m/s<sup>2</sup> (depending on application).
- Max. effective length of the rail: 3,240 mm.
- Max. traverse for CCT08: 3,170 mm. For CCT11: 3,140 mm.
- Minimum radius for both sizes: 120 mm. For non-standard radii, please contact us.
- Radius tolerance +/- 0.5 mm, angle tolerance +/- 1°.
- Temperature range: -30 °C to +80 °C (-22 °F to +176 °F)
- Rails and runner electrolytic zinc-plated and passivated, increased anticorrosive protection on request.
- Rail material: C43. AISI316L for the stainless steel version.
- Slider body material: Fe360. AISI316L for the stainless steel version.
- Radial ball bearing material: 100Cr6. AISI440 for the stainless steel version.
- Rollers are lubricated for life.

