

Application**Linear Motion****BRL/VPR 013 2005-04**

Size 125 Roller Rail Systems for eccentric presses



RRS 125 guides the press ram



Full view of 2000 t double-sided eccentric press

Application

Sector	Presses, forming technology
Plant:	Double-sided eccentric press with a tonnage of 2000 t
Machine part:	Ram guidance for forming tool
Customer	Helmerding GmbH, Bad Oeynhausen, Germany

Machine / Process

- Double-sided eccentric presses are mainly used in the automotive and auto components industry. The roller rail systems guide the ram with the pressing tool. They replace the plain bearings that were commonly used in the past.

Customer requirements

- Linear guidance with antifriction bearings for extremely high load capacities
- Linear guide capable of taking up both push and pull forces
- High precision for pressing tool guidance

- High rigidity
- Minimal lubricant consumption
- Efficient sealing concept for linear guide

Our solution

- Four size 125 roller rail systems, each with two preloaded runner blocks

Why our product was chosen / Benefits

- High dynamic load capacities up to 1000 kN
- Easy installation and start-up compared to plain bearings
- Up to 50% longer tool life with RRS 125
- Drastic reduction in lubricant consumption
- High precision of the guides