

Guide Frames - Proportional Guide

Application:

The two deflector rolls required for bridging strip pass line between accumulator and strip process section are used together with the SRD steering unit, which acts merely proportionally. This type of steering unit can be installed in tight line areas, as it only requires very short free entry and exit spans to the next deflector rolls.

Functional principle:

The strip centring effect is such that the steering unit rotates around a pivot in the plane of the incoming strip, whereby the outgoing strip is shifted laterally. If the incoming strip is misaligned, the correction cannot be seen on the steering unit rolls but the outgoing strip will be corrected to the predetermined point. Movement of the strip is corrected proportionally to the regulating distance of the adjusting frame - the incoming and the outgoing strip forms a right angle with the swivelling plane.

The maximum correction capability is determined by the distance between the incoming and the outgoing strip pass line level.

The maintenance-free inductive strip centre sensing system type SMI is installed immediately downstream of the steering unit.

