

IMS-A integrated measuring system: high-precision guidance and measurement

This integrated measuring system combines ball rail and roller rail systems with an absolute length measuring system in our new IMS-A product. The system accuracy of this inductive measuring system is comparable to high-precision glass scales and is therefore ideally suited for replacement of external measuring systems on machine tools.



Measuring inductively the absolute position with a resolution of 0,025 µm

The IMS-A provides you with a precision instrument that guarantees excellent workpiece quality through accurate position measuring. Thanks to the inductive, contactless measuring principle, the system functions wear-free, which reduces your downtimes. In addition, it is particularly compact thanks to the integration of the systems, which saves installation space.

Advantages resulting from special product features

- ▶ Absolute position entry, without buffering battery
- ▶ High system accuracy
- ▶ Inductive, contactless measuring principle
- ▶ Measuring function integrated into the guideway
- ▶ Resistant to contamination without any additional measures

Key technical data

- ▶ Position resolution up to 0,025 µm
- ▶ Scale accuracy: ± 3 µm/m
- ▶ Ball rail system: sizes 20/25/30/35/45
- ▶ Roller rail system: sizes 35/45/55/65
- ▶ Rail lengths: up to 4,500 mm in one piece
- ▶ Interface: Hiperface, SSI, DRIVE-CLiQ, FANUC

DRIVE-CLiQ is a protected label of Siemens

Bosch Rexroth Ltd.

15 Cromwell Road
 St. Neots,
 Cambridgeshire,
 PE19 2ES
 United Kingdom

Phone +49 345 604 4106

www.boschrexroth.co.uk

R999001296 (2016-01)
 © Bosch Rexroth AG 2016
 Subject to revisions!