

Installation

The installation of ball screws demands technical knowledge and appropriate measuring equipment. Due to the low friction of a ball screw, alignment errors when turning the screw by hand are generally imperceptible. Forces acting radially or eccentrically must be taken up by the external guides. Ball screws can absorb only axial forces. In order to prevent damage to the ball screw, the machine must be provided with limit switches and end of travel dampers.

Cover

Any contamination that occurs during installation should be removed using kerosene, oil or benzine. Cold cleaning solvents and paint solvents are not permissible. Ball screws must be protected from dust, swarf and the like during operation, even if they are equipped with wipers. Protective measures that can be taken are as follows:

- Bellows (if not equipped with an additional guide these are permissible only for vertical installations)
- Spiral spring cover
- Telescopic tubes or sleeves (large axial space requirement)

Our range also includes fully protected and ready-to-install systems:

HSB-beta®, HSB-delta® and HSB-alpha® linear guides providing integral guidance within an encapsulated aluminium profile with covering strip or covering bellows. Please request our documents.

Please refer to the corresponding section in our general catalogue or on our website (www.hsb-automation.de).