

FAQ – ZP200 Square Rail Linear Table

Q) Is the ZP200 available with travels greater than 25 mm as a special NSP?

A) Yes, please consult your Sales Applications Engineer at Daedal.

Q) How does the ZP200 bolt down in a machine installation?

A) The base plate has 4 holes with a diameter of 0.25”.

Q) What are the specifications for the pins that Daedal recommends for the new dowel hole feature on the ZP200?

A) 5mm slip fit dowel pins.

Q) What options are available as standard features on the ZP200?

A) The ZP200 offers many of the same features as the XR product line. There are 3 different lead options for the ballscrew, NO & NC sinking and sourcing switches, multiple coupling and motor block options, linear encoders and a shaft brake.

Q) What is the vertical lift per revolution of the ballscrew on the ZP200T01?

A) These numbers are also listed on page B34 of the Daedal 8083 catalog. Each table that is built at Daedal will be laser tested and a sticker with the calibrated lead value will be attached to the table base.

Q) What kind of bearing technology does the ZP200 table utilize?

A) The ZP200 table uses re-circulating square rail bearings for translation. Other table manufacturers have used telescoping cross rollers that provide both smooth translation as well as handling heavy loads. We found that the wedge angle can more quickly lead to cage creep that will limit your travel and eventually destroy the bearing retainers.

Q) Is the linear encoder on the ZP200 table the same as the XR/LXR products?

A) Yes, the ZP200 table uses the same Renishaw encoder as the 400XR/LXR tables. It is available in a 5,1,0.5, and 0.1 micron resolution.

Q) Is the ZP200 table a drop in replacement for the Bayside Z-Wedge?

A) Yes, the ZP200 table uses the same footprint as the Bayside Z200 table. The only difference is that the ZP200 has an overall lower profile height of 60mm at it's fully retracted position and the Bayside Z200 has an overall height profile of 65mm fully retracted.

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