

Steel shafts with ready-mounted shaft support rails

## Design, ordering information, installation

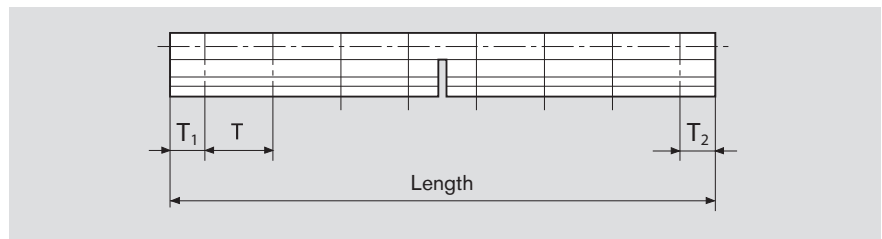
### Terminals $T_1$ and $T_2$

If the ordered shaft length corresponds to the whole multiple of the hole spacing of one shaft support rail, the terminals correspond to half of the spacing length ( $T_1$  and  $T_2 = T \div 2$ ). The holes are calculated by us for other lengths ( $T_1 \neq T_2$ ). This is done by shortening any excess shaft support rails on either end. Both terminals  $T_1$  and  $T_2$  should not be less than  $0.2 \times T$ .

If no customer drawings are available, we will include the hole spacing calculated by us for the steel shaft in the quotation and order confirmation. This produces the locations of the mounting holes in the machine bed.

We recommend comparing these specifications with the design documents.

**Ordering information:** Material number R10.. /length x mm/ $T_1$  x mm/ $T_2$  x mm



### Excess and combined guide units

A section of shaft with ready-mounted shaft support rail should not exceed 6 m. Individual sections are combined to form longer lengths (see Section "Combined shafts, connections").

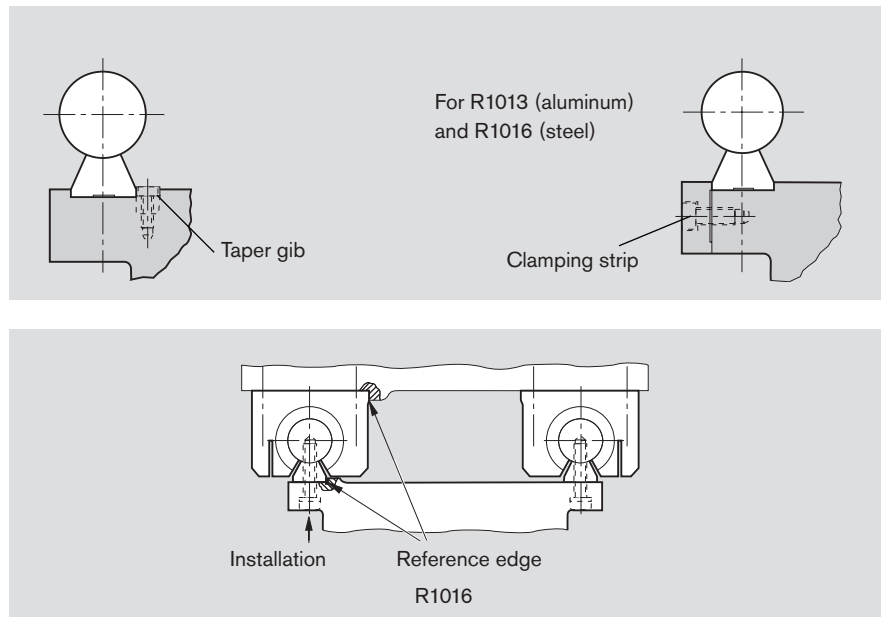
The joints between shafts and shaft support rails are arranged differently depending on the model. However, the shaft joint should generally be offset from the shaft support rail seam.

## Special hole spacing

Shafts with ready-mounted shaft support rails also come with special hole spacings upon the customer's request.

## Note on installing flangeless shaft support rails

We recommend using a taper gib or clamping strip to secure the shaft support rail in order to make installation easier or when there is significant lateral load.



The shaft support rail must be straight during installation.

To do this, press the first shaft with shaft support rail onto the reference edge and fasten it down, then align and fasten down the second shaft, preferably using a rod. These elements only come with precision steel shafts.

The maximum length of the shaft support rail is 1,800 mm and these are joined to create longer lengths. The reference edge allows the shaft support rails to be aligned easily to avoid distortive stress on the linear bushings.