

1.5. Fitting

In theory, the ball cage of LM Stroke model ST moves in the same direction as the ST shaft by 1/2 of the shaft (or nut). However, to minimize the travel distance error caused by uneven load distribution or vibrations, it is necessary to reduce the clearance. If high accuracy is required or if the LM Stroke is used on a vertical shaft, we recommend setting the radial clearance between 0 and 10 μm .

| Normal service conditions | | Vertical shaft or high accuracy | |
|---------------------------|---------|---------------------------------|---------|
| ST shaft | Housing | ST shaft | Housing |
| k5, m5 | H6, H7 | n5, p5 | J6, J7 |