

2. Technical Data

Accuracy

The ST series has 3 options for accuracy. These are Precision (P), High (H) Normal (N).
See detail on page 4

Preload Classes

The ST series has two classes of preload, V0 and V1 as described in the preload Table below.
See detail on page 5

$$L = K_{st} \left(\frac{C}{P} \right)^3 \cdot 10^5 \quad \text{--- (19)}$$

$$L_h = \frac{L}{2 \cdot s \cdot n \cdot 60} = K_{st} \frac{L}{v_m} \cdot \left(\frac{C}{P} \right)^3 \quad \text{--- (20)}$$

See detail on page 8

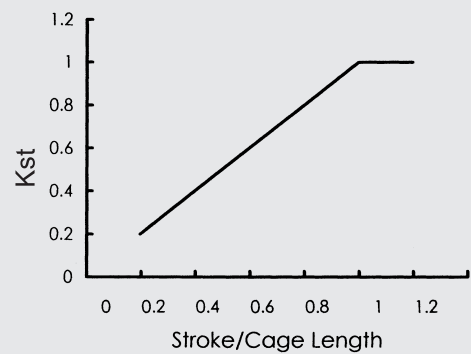


Fig1. Short stroke factor Kst-in accordance with DIN636-3

Function

The lubrication of ST series can be fulfilled by adding the lubricant onto the raceway of the rail.
See detail on page 6.

Rating Life L

The Rating life of ST series can be calculated by the formulas (19),(20) in accordance with DIN 636 Part3: