

## 1.3. Features of Dedicated Rolled Shafts

Dedicated rolled shafts with standardized lengths are available for the Slide Series models.

### ● Increased Wear Resistance

The shaft teeth are formed by cold gear rolling, and the surface of the teeth is hardened to over 250 HV and mirror-finished. As a result, the shafts are highly wear resistant and achieve significantly smooth motion when used in combination with nuts.

### ● Improved Mechanical Properties

Inside the teeth of the rolled shaft, a fiber flow occurs along the contour of the teeth of the shaft, making the structure around the teeth roots dense. As a result, the fatigue strength is increased.

### ● Additional Machining of the Shaft End Support

Since each shaft is rolled, additional machining of the support bearing of the shaft end can easily be performed by lathing or milling.