

Arrestor nut

Assembly/set-up/ features

- Installation on flange with hexagon socket screws for fixing the arrestor nut
- Centering diameter prevents radial displacement
- Wiper seal is not mounted on the nut, but on the arrestor nut.
(This keeps dirt out of the space between the arrestor nut and the screw)
- Length of the safety nut determines the safety factor
(Standard: 2-fold safety as against the static load capacity)
- Multiple-thread arrestor nuts are used for multiple-thread screws

Recommended installation

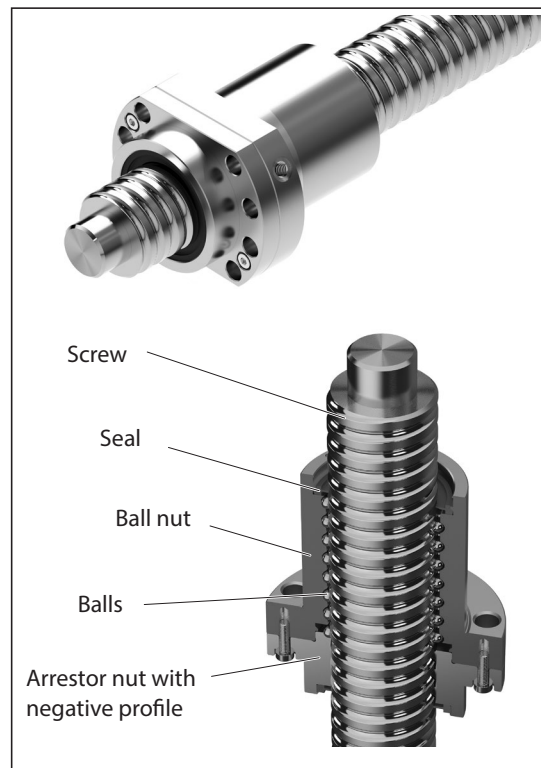
The force or mass must always lie on the arrestor nut so that there is no tensile loading of the fastening screws.

The fixed bearing of the screw should be located at the bottom.

Inspection may only be carried out by trained service engineers.

Design

Please consult our staff



Mode of operation

The ball nut with arrestor nut comprises the ball nut (for example, FEM-E-B) and an additional arrestor nut whose negative profile locks into the screw raceway. The ball nut with arrestor nut basically works in the same way as a normal ball nut. If the ball nut fails to work (for example, owing to a loss of balls), the arrestor nut thread comes into contact with the screw. This prevents an uncontrolled dropping of the nut.

Use

In critical applications in non-horizontal operation (for example, in order to prevent damage to property). The arrestor nut is fitted to the nut from below in the direction of force.

Arrestor nuts are not safety components within the meaning of the European Machinery Directive 2006/42/EC. Responsibility for the safety of the structural design / specific application therefore still lies with you and the manufacturer. Particular attention must be paid to ensuring that there are no hazards to people. Therefore, in particular in the case of vertically loaded axes, the structure must incorporate an additional safety catch/holding device which prevents a drive component failure! The falling of the nut must be prevented in all cases.