

Q : Is there any attention to be paid when we choose material of Lead Screw?

Lead Screws are the mechanical parts with surface contact, so wear is relatively earlier than Ball Screws with point contact.

We would recommend hardened material, such as Tool Steels, Carbon Steels for machine structural use, and Chrome-molybdenum Steels, especially under the high Load condition, which would be predicted early wear.

In addition, we would not recommend that you use the same material for Shaft and Nut. Because it is generally said that the same material on Shaft and Nut would easily cause Adhesive wear under the surface friction. That is the reason some of the customer use Soft Steel for Nut.