

Technical information

Ball adjustment miniature ball screws

Ball conversion of the ball material 1.4034 (X46Cr13)
to 1.4125 (X105CrMoV17) for corrosion-resistant miniature ball screws

Advantages of the new balls made of 1.4125 (X105CrMoV17):

- Higher hardness:

The balls made of 1.4125 (X105CrMoV17) are harder than the previous balls made of 1.4034 (X46Cr13)

- Improved performance:

The balls achieve a hardness of at least 58 HRC, which means that no reductions in load capacity are necessary.

- Outstanding quality:

The balls made of 1.4125 (X105CrMoV17) correspond to ball bearing quality grade 10 according to DIN 5401.

The Steinmeyer design & development team sees only technical advantages and no technical disadvantages in this changeover!

We will inform all customers who explicitly specify the material on the order and/or drawing separately.