

# Technical information

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## Standardization of ball material

Standardization of the ball material to 1.4125 (X105CrMoV17)  
for miniature ball screws

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

- Higher hardness:

The balls made of 1.4125 (X105CrMoV17) have a higher hardness compared to some of the balls previously used, such as those 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.

- Standardization:

The steel balls made of 1.4125 combine the advantages of the different balls used to date, reducing storage and administration costs.

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.