Steel Rules

by

Böhler-Ybbstal Band

a BÖHLER UDDEHOLM company
Cutting- and Scoring Rules

• Coated cutting edge surface
  – Supreme coating
    • well established coating for dust reduced applications
  – Titanium-Nitride coating
    • New development for dust reduction and increased tool life.
    • The hardness of the coating is in the range of 2400 HV. The actual edge hardness is around 620 HV.
The Böhler TiN - coated steel rule unites high wear resistance, good bendability, less friction and a defined edge hardness for highest quality requirements.
Wear pattern of uncoated vs. TiN - coated steel rules

- Used steel rule (standard 100%)
- Used steel rule (147.86%)
- New steel rule

Uncoated steel rule

TiN - coated steel rule
Improvements and Applications

**Improvements**
- lower friction
- less wear and longer service life
- less dust production
- less fibres (“angel hair“) → better cutting quality

**Fields of application**
- high runs
- particularly high quality requirements (e.g. medicine)
- coated cardboard (e.g. cigarette boxes, perfumes)