

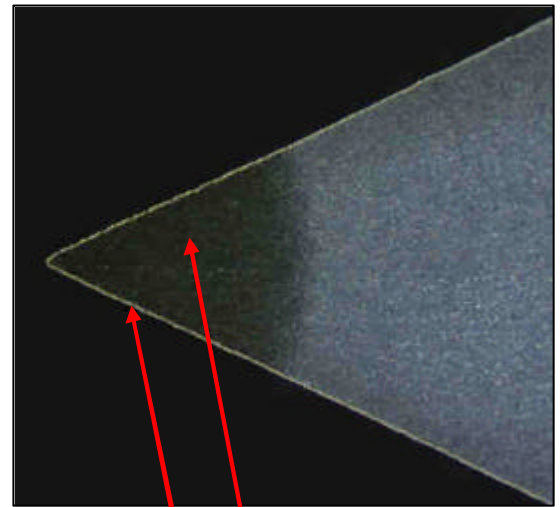
## Böhler Cutting Rule TINIT Universal "TiN"



picture 1



picture 2



picture 3

TiN-layer (~ 2 µm)  
partial hardened area

Details to the above pictures:

picture 1: excellent bendability with a very hard TiN-layered cutting edge

picture 2: TiN-layer only on the cutting bevel (golden area)

picture 3: hardened cutting edge with additional TiN-layered surface with a thickness of approx. 0,002 mm

The TiN-layer is only at the very outside surface of the cutting rules bevel (~0,002 mm), which ensures excellent bendability.

The hardness of the TiN-surface is approx. 2400 HV and the cutting edge itself approx. 620 HV.

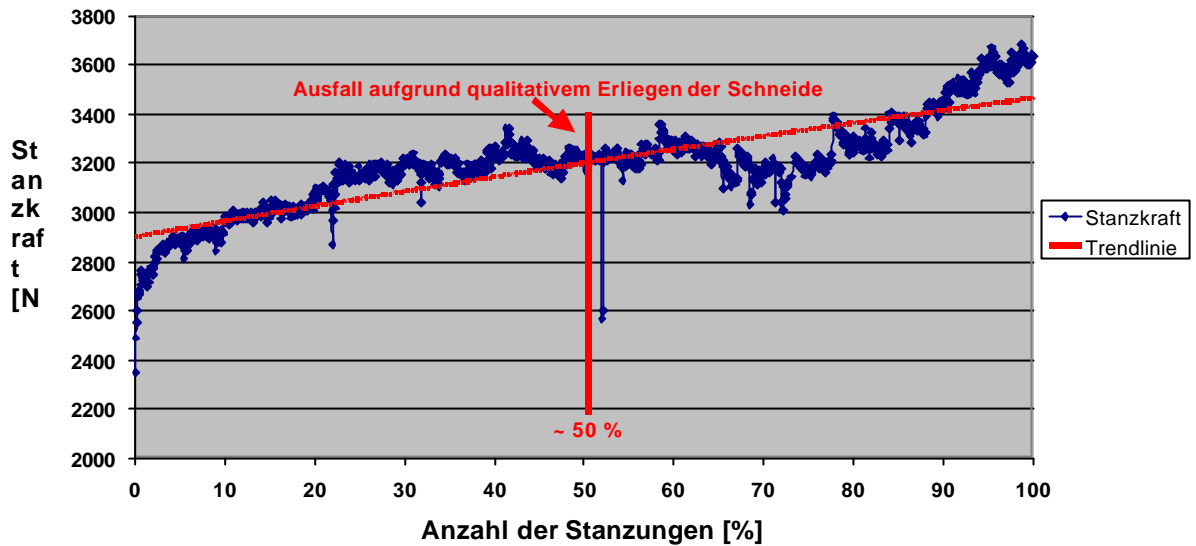
Hardness, bendability, structure, cutting geometry and dimensions are equivalent to our usual Böhler Universal.

The user benefits from the following advantages:

- Higher efficiency and quality during the converting process
- Increase of the cut-ability and cut-stability / higher lifetime
- Reduced make-ready time
- Higher wear-resistance of the cutting edge with same good bendability
- Reduces the tendency of adhesive materials to cling to the cutting edge
- Decrease of dust during the cutting process

# Böhler Universal vs. Böhler TiN-beschichtet

## Böhler TiN-beschichtet



## Standard Universallinie

