

TiN (titanium nitride)

The standard.

The “indestructible”, easy care, and established standard coating. Synonym of PVD.

Not only wear protection, but also decorative with “high value” appearance.

Properties

Type	Hard material coating
Process	PVD
Material	TiN
Hardness	2.300 HV
Coating thickness	0,5–4 µm
Coefficient of friction vs. steel	0,4
Coating temperature	250–450 °C
max. Service temperature	600 °C
Colour	golden yellow

Sample applications

- machining of medium strength steels
- punching and forming of moderately “hard” materials
- injection moulding inserts
- medical technology
- fluid power systems and components
- wear indicator
- decoration

