eifeler

SISTRAL®-GOLD

Especially designed for materials that are difficult to cut

SISTRAL®-GOLD is a nanostructured high performance coating that has been developed especially for the machining of materials which are difficult to cut. The high thermal resistance of the coating and its hot hardness enable a significant performance increase in applications where standard AlTiN coatings have been favoured up to now.

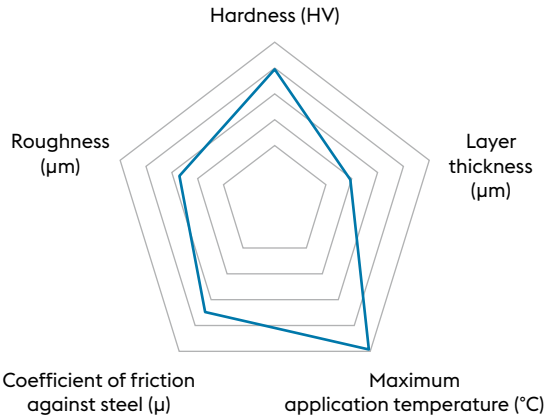
COATING BENEFITS

- Higher cutting speeds
- Longer service life
- Improved surface quality
- Dry machining
- High hot hardness
- High wear resistance
- Simple indication of wear
- Low tendency to galling and material build-up

APPLICATION

- **High-performance cutting**
  SISTRAL®-GOLD is ideally suited for machining difficult-to-machine materials such as VA steel, titanium or Inconel. It is an advancement of the extremely successful hard machining layer SISTRAL®.

COATING PROPERTIES



Hardness	3,000 ± 500 HV
Coating thicknesses	1–4 µm
Maximum application temperature	900 °C / 1,652 °F
Coefficient of friction against steel	0.6 µ
Roughness (µm)	0.06 µm
Colour	Gold

voestalpine eifeler Coating GmbH
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ONE STEP AHEAD.