



TECHNICAL INFORMATION

Steam Tempered

An iron oxide film is created on the tool surface by heat treatment. This improves the adhesion of the coolant and as a result helps to prevent cold welding of the chip to the tool surface.

Nitriding

The surface hardness is increased by enriching the surface of the tap with nitrogen. This results in high abrasion resistance and improved anti-friction properties.

Titanium Nitride Coating

Following PVD processing, the tap undergoes titanium nitride vapour deposition within the vacuum chamber at approx. 500°C. Excellent anti-friction properties and high resistance to wear and abrasion result from the reduced surface roughness and remarkable hardness. TIN coated taps can be employed using considerably faster cutting speeds.

