



May 2024

APPLICATION

A great choice in certain applications when extreme wear resistance is needed. This is a product with an alloyed tool steel base combined with the coating, for example suitable for abrasive and metallic inks.

| | |
|---|--|
| Base steel quality | Remelted carbon steel |
| Base steel nominal carbon content (wt.%) | 0.5 |
| Base steel nominal chromium content (wt.%) | 4.0 |
| Special alloying elements in base steel, nominal: | |
| Molybdenum (wt.%) | 1.5 |
| Tungsten (wt.%) | 2.0 |
| Base steel microstructure | Tempered martensite with an extra high amount of small well-distributed carbides |
| Base steel nominal tensile strength (N/mm²) | 2200 |
| Base steel nominal hardness (HV) | 670 |
| Coating | Nickel / ceramic composite |
| Coating thickness (µm) | 10 – 14 |
| Coating nominal hardness (planar HV) | 630 |
| Edge profile | Lamella / Bevel / Radius edge |
| Standard packaging | 100 m coils in reinforced carton box +4 m for jointed coils. |