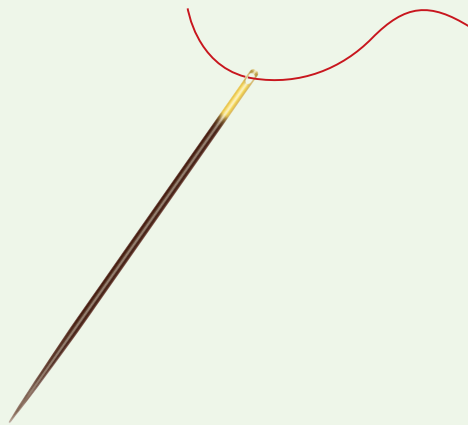
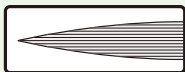


Black Gold Needles

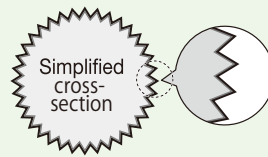


Professional-type polished needles with special black plating

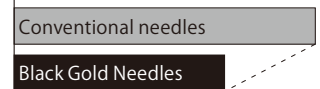


The surface is polished lengthwise.

The special black plating on the surface allows the needle to pierce effortlessly through fabric, enabling sewing with little resistance.



Major reduction in frictional resistance (Clover comparison)



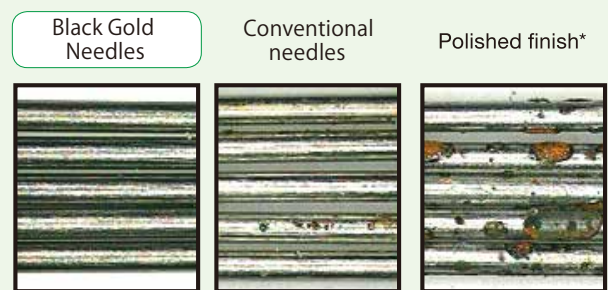
(Comparison of average values)

Outstanding rust resistance

The special black plating makes Clover needles highly rust-resistant, offering even better rust resistance than conventional nickel plating (Clover comparison).

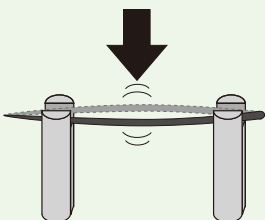
[Corrosion resistance test]

An endurance test that exposes needles to high-concentration salt water vapor under harsh environmental conditions to promote rust formation.



*Unplated

Bend-resistant, break-resistant shaft



The needle shaft is strengthened by making it of carefully selected high-quality steel, quenched and tempered to maximise its material characteristics.

Designed for the optimum balance of hardness and elasticity.

To maintain standards compliance and quality, Clover carries out ongoing destructive testing by subjecting needles to loads.