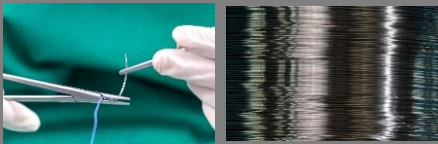


Technical Datasheet

Surgical Needle Wire AISI 301, 302 | 1.4310



Characteristics and scope of application

- An austenitic chromium-nickel steel from European melt source for medical applications
- Not MRI-compatible in cold drawn condition

Standard designations

- DN Meditech Designation 1.4310/70
- Alloy number / UNS / AISI 1.4310 / S30100 / S30200 / 301 / 302
- Standards DIN EN 10088-3 (X10CrNi18-8); ASTM F899

Mechanical properties

	Tensile strength RM	Yield strength Rp0.2	Elongation	Microstructure
	MPa	MPa	%	
sol. annealed	680-750	> 250	> 50	Austenitic
cold drawn	max. 2600*	max. 2400*		Austenitic/ α' -Martensitic

*Mechanical values depend on final diameter

Supply options

- Diameter range: 0.20 – 2.00 mm
- Conditions: solution annealed, annealed, cold drawn
- Diameter tolerances: up to ± 0.005 mm
- Spool types: K160, K200, K250, K355

Labelling

- Label per spool with following information: Customer, Material description, Material, Diameter (mm), Melt code number, Production Lot, Weight (gross/net), Packing date

Packaging

- Spool with VCI anti corrosion film
- Vacuum sealed bag
- Drying agent
- Wooden box



All data for information only