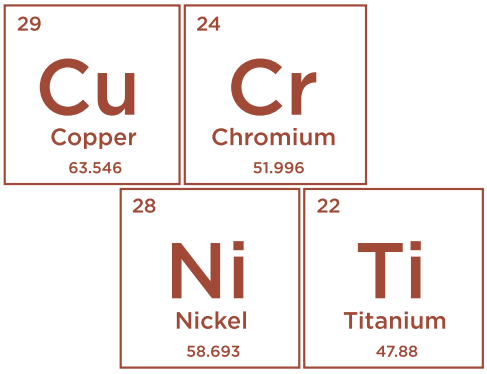
ARCHWIRES
Copper Ni-Ti ™

Copper Ni-Ti is a quaternary alloy that provides the unique benefit of a low hysteresis, allowing the clinician to easily engage the wire which increases efficiency and provides more comfort for the patient. The addition of copper to traditional nickel titanium enhances thermal reactive properties and consistency of forces.

- Manufacturing temperature consistency and precise dimensional consistency means more reliable outcomes
- True heat activation due to TTR range that is within +/- 2° C tolerance
- Superior resistance to permanent deformation than Ni-Ti
- Easy to engage, even in the most severe cases
- Available in a variety of archforms



27˚C Super-Elastic Copper Ni-Ti
Generates constant unloading forces that can result in rapid tooth movement. The loading force is less that other super-elastic wires because of the low hysteresis unique to the copper alloy, while the unloading forces are comparable to traditional super-elastic nickel titanium wires.

35˚C Thermo-Active Copper Ni-Ti
Generates mid-range, constant force levels until the wire has fully recovered to its original shape. Ligation is easier with full-size archwires due to lower loading forces. When earlier engagement of full-size wires and sustained unloading forces at body temperature is desired, this is the ideal wire.

40˚C Thermo-Active Copper Ni-Ti
Generates intermittent, light forces and is useful as an initial wire in patients with a low pain threshold. Severely malaligned teeth can be engaged with light force. It is an excellent choice for patients scheduled for long intervals between visits.