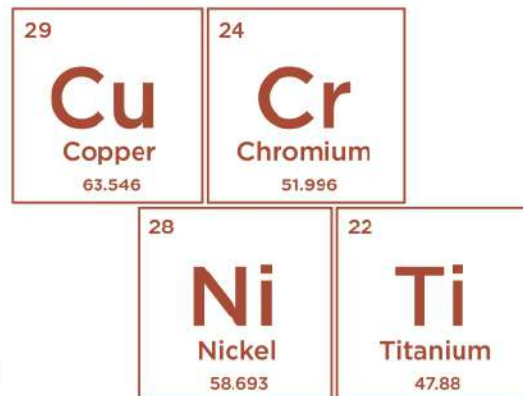


COPPER NI-TI™

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 than 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

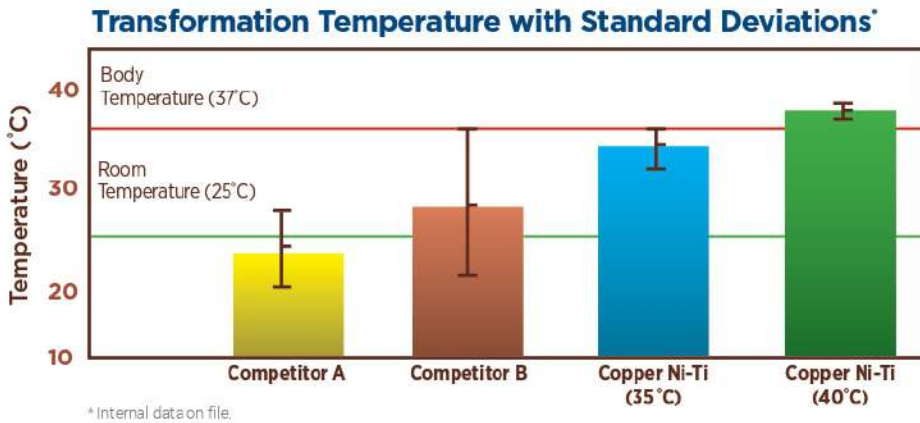
Generates mid-range, constant force levels until the wire has fully recovered to its original shape. Ligation is easier with full-size archwires due to lower loading forces. When earlier engagement of full-size wires and sustained unloading forces at body temperature is desired, this is the ideal wire.

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.



Fig. A – The standard deviations explain inconsistencies in the TTR range, whereas Copper NiTi wires produce a very narrow variance. The narrow variance means reliability in the expected forces.



By controlling the transformation temperatures in the manufacturing process, the forces are controlled, providing consistent, light movement. Copper NiTi's narrow manufacturing tolerances mean reliability in the amount of force delivered from batch to batch.



DAMON ARCH FORM

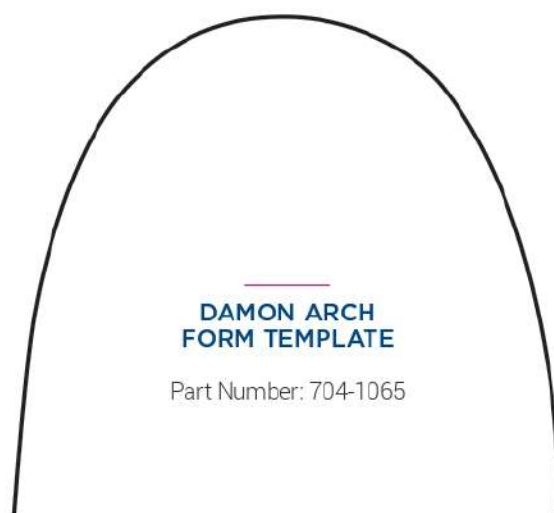
“In the final phase of treatment, Low-Friction TMA has become an invaluable part of my wire armamentarium. Low-Friction TMA's greater flexibility allows you to more easily bend torque in the archwire with moderate forces without hindering your ability to close the slide. It is also easier to insert the wire and close the slide than stainless steel when small detail bends are desired at the end of treatment.”



Dwight Damon, DDS, MSD —

Dr. Dwight Damon developed this arch form after carefully studying 7,000 photographs of exceptional smiles. Dr. Damon believes that a great smile is exemplified by six well-positioned anterior teeth and an arch form that displays the first bicuspid, second bicuspid, and the mesio-buccal surface of the first molar when viewed from the anterior. This arch form prevents the "dark corner syndrome" in the posterior of the mouth.

More importantly, Dr. Damon feels that an arch form must function in a manner consistent with gnathologic principles. After he carefully evaluated several hundred patients and their articulated models, tomograms and headfilms, he concluded that this arch form can help enhance dental function.



COPPER Ni-Ti™ (w/stops)

All Damon Copper Ni-Ti cross-sections come with archwire stops, pre-loaded, for your convenience. Stops are easily crimped with arch-bending Howe or Weingart pliers.

wire size	part number
DAMON	
.013	205-1909
.014	205-1902
.016	205-1903
.018	205-1904
.014 x .025	210-1905
.016 x .025	210-1906
.018 x .025	210-1907

Ni-Ti™ — PRE-TORQUED

Superb wires for division 2 cases where intrusion and additional torque are indicated. Wires have 20° of anterior torque built in at 34 mm and 38 mm lengths.

anterior torque length – reverse curve	wire size / part number		
DAMON	.016 x .025	.017 x .025	.019 x .025
34 mm	216-3416	216-3417	216-3419
38 mm	216-3816	216-3817	216-3819

anterior torque length – flat	wire size / part number		
DAMON	.016 x .025	.017 x .025	.019 x .025
34 mm	227-0341	227-0342	227-0343
38 mm	227-0381	227-0382	227-0383

Ni-Ti™ — REVERSE CURVE

Ideal when only intrusion is indicated. Comes in Packs of 5.

arch form	wire size / part number		
DAMON	.016 x .025	.017 x .025	.019 x .025
	216-3806	216-3807	216-3809

TMA™ — LOW-FRICTION COLORED

wire size	color	
DAMON	Purple	Honeydew
.016 x .025	227-1141	227-1151
.017 x .025	227-1142	227-1152
.019 x .025	227-1143	227-1153

Packs of 5

TMA™ — LOW-FRICTION

wire size	part number
DAMON	
.016 x .025	227-1111
.017 x .025	227-1112
.019 x .025	227-1113

STAINLESS STEEL

wire size	part number
DAMON	
.016 x .025	227-1067
.019 x .025	227-1071

STAINLESS STEEL — POSTED

wire size	color	
DAMON	Purple	Honeydew
24 mm	227-1026	227-1027
26 mm	227-1028	227-1029
28 mm	227-1030	227-1031
30 mm	227-1032	227-1033
32 mm	227-1034	227-1035
34 mm	227-1036	227-1037
36 mm	227-1038	227-1039
38 mm	227-1040	227-1041
40 mm	227-1042	227-1043

Stainless steel wires are packaged in Patient Packs of 10.
All wires are packaged in Kleen Paks of 10 unless otherwise noted.