WIRES, ARCHES AND PERFORMED WIRE ACCESSORIES
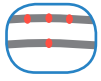
PRODUCT LINE WIRES

Arch Form Chart | Nickel Titanium | Heat Activated Niti | CNA BETA III | Stainless Steel

Centermark: Permanent Etch Marking

Dimple: Upper and Lower Dimples

NATURAL FORM

Nickel Titanium Superelastic
Heat Activated NiTi
8 Braided Stainless Steel
Stainless Steel

NATURAL FORM

3-Flex Stainless Steel
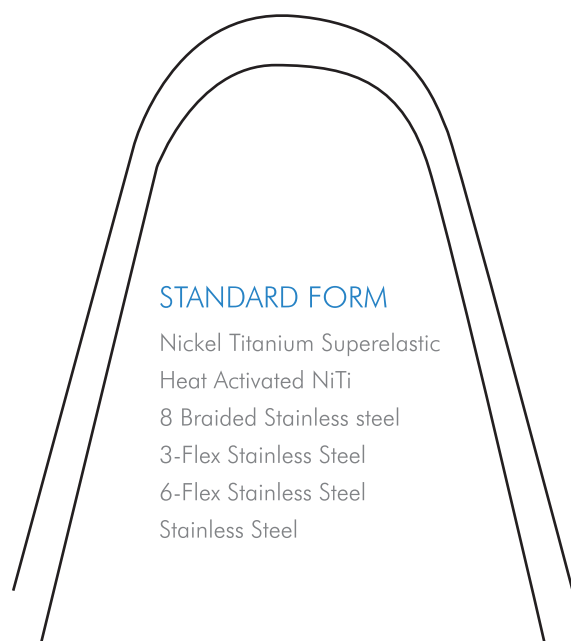6-Flex Stainless Steel

NATURAL FORM

CNA Beta III

UNIVERSAL FORM

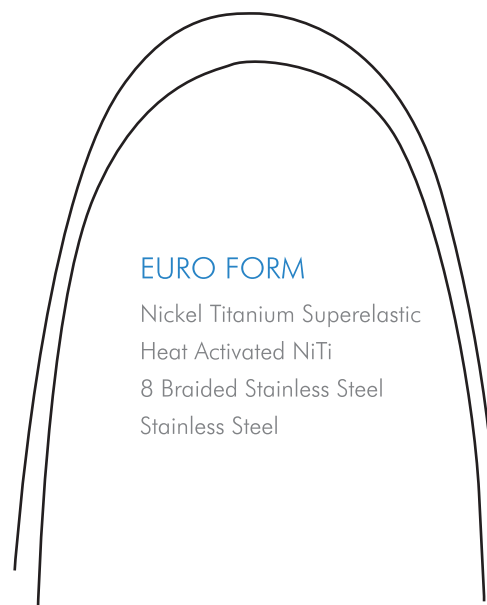Nickel Titanium Superelastic
CNA Beta III
Stainless Steel

Note: Line drawings may vary from actual wire form sizes

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STANDARD FORM

Nickel Titanium Superelastic
Heat Activated NiTi
8 Braided Stainless steel
3-Flex Stainless Steel
6-Flex Stainless Steel
Stainless Steel

EURO FORM

Nickel Titanium Superelastic
Heat Activated NiTi
8 Braided Stainless Steel
Stainless Steel
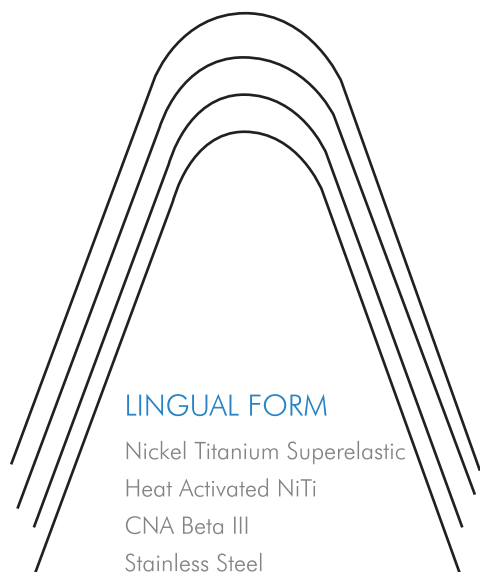
LINGUAL FORM

Nickel Titanium Superelastic
Heat Activated NiTi
CNA Beta III
Stainless Steel

Radius :

Size 1 R 11.0 mm
Size 2 R 12.3 mm
Size 3 R 13.6 mm
Size 4 R 14.9 mm

BIO-OVOID FORM

Nickel Titanium Superelastic
Heat Activated NiTi
Stainless Steel
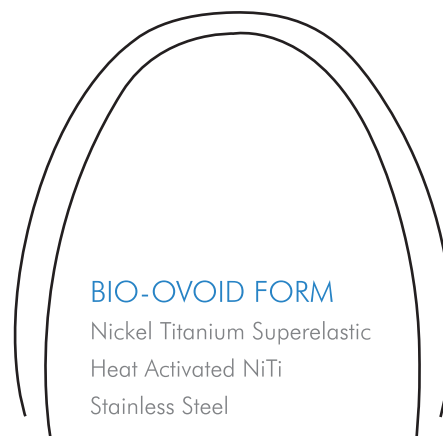
Note: Line drawings may vary from actual wire form sizes

Choosing The Best Wire For The Application

	Early Treatment	Mid Treatment	Late Treatment
THERMADENT - Low Force	▀▀		
THERMADENT - Medium Force	▀▀▀▀▀▀	▀▀▀	
FLEXADENT NiTi Superelastic	▀▀▀▀▀▀	▀▀	
PERFECT TI NiTi Low Frict.	▀▀▀▀▀▀	▀▀	
TRIDENT CNA Beta III		▀▀▀▀	▀▀▀▀
TWISTADENT Stainless Steel - 8 Braid			
TWISTADENT Stainless Steel - 6 Coax	▀▀▀		▀▀▀
TWISTADENT Stainless Steel - 3 Strand	▀▀▀		▀▀▀
DURADENT Stainless Steel - Solid		▀▀▀	▀▀▀

Nickel Titanium Heat Activated - THERMADENT™

In addition, Nickel Titanium wire may also demonstrate a heat-activated "Shape Memory" effect produced through a tightly controlled manufacturing process.

THERMADENT™ wires are shape memory, heat-activated wires.

Shape memory properties exhibited by heat-activated, or thermal, Nickel Titanium wires:

- Superb flexibility at room temperature, allowing for even easier ligation. Soft in the hand.
- Very responsive to chilling.
- Gentle forces are initiated by intraoral heat and remain consistent throughout treatment.
- Noticeably more comfortable for the patient due to low forces.
- Allows for patient to control discomfort with cold water rinses.

Nickel Titanium Superelastic Wire - FLEXADENT™

(NiTi -approximately 55% Ni and 45% Ti):

FLEXADENT™ - Ideal for alignment and leveling in early to mid-stages of treatment. All NiTi wires exhibit a unique "Superelastic" behavior.

Superelastic behavior provides:

- Light to moderate, consistent forces.
- Responsiveness to chilling.
- Near consistent force over a long activation period.
- Greater patient comfort over Stainless Steel wires.
- Excellent resiliency, resulting in high resistance to permanent set.
- High flexibility.
- Leveling, torque, and rotation can be addressed simultaneously early in treatment. No need to treat each of these individually, as is the case if using Stainless Steel wires.

Choosing The Best Wire For The Application - continued

Nickel Titanium Wire - PERFECT-Ti™

(NiTi -approximately 55% Ni and 45% Ti):
Your customers will love the efficiency of our PERFECT-Ti™ superelastic premium wires! adenta developed this ultra smooth, hard black surface nickel titanium wire engineered specifically for reduced friction and efficient tooth movement.

- 30% less friction than traditional Nickel Titanium wire provides improved sliding mechanics.
- Our highest force Superelastic NiTi wire.
- Hard surface is an integral part of the wire; not a coating.
- Black color nearly indistinguishable from other wires when in the mouth.
- Very resilient.
- Ideal for self-ligating brackets.

CNA BETA III wire - TRIDENT™

(A titanium molybdenum wire composed of 79% Ti, 11% Mo, 6% Zr, and 4% Sn):

The characteristics of our custom designed, nickel-free Beta III Titanium wire make this perfect for use in mid- to late stages of treatment where space closure, rotation, and proper molar relationship are the goal.

- CNA Beta III significantly outperforms TMA Beta III and easily accepts 1st and 2nd order bends without breaking issues.
- Nickel-free! Eliminates treatment concern of nickel sensitivity in patients.
- Excellent formability allows easy fabrication of loops and bends for space closure and tooth movement.
- Easily accepts 1st and 2nd order bends for tipping and aligning.
- Very good resiliency as compared to Stainless Steel.
- Approximately half the tooth-moving force of Stainless Steel.
- Excellent finishing wire.
- Retainer and appliance fabrication is easy with our Beta III CNA™ 14" lengths

Stainless Steel Solid Wire - DURADENT™

Our archwires are manufactured from medical grade 304V Stainless Steel material (70% Fe, 19% Cr, 9% Ni, 1.5% Mn, 0.5% Si). These archwires can be used throughout treatment but are best suited for mid - to late stages of treatment.

- Superior surface finish.
- Higher force and limited resiliency as compared with Beta III CNA™ wire.
- Forces drop quickly; best suited as a finishing wire.
- Easy to bend.
- Greater patient discomfort when used in early treatment stages.

Stainless Steel Multi-strand Wire - TWISTADENT™

Adenta´s three types of multi-strand wires made of medical grade Type 302SS (71% Fe, 18% Cr, 9% Ni, 1% Mn, 0.5% Si) are well suited for early stages of treatment as well as the finishing stage of detailing and retention. Lower forces and better resiliency than solid Stainless Steel.

- TWISTADENT™ 3-strand (twisted) wire provides moderate forces and limited flexibility.
- TWISTADENT™ Coax (6-strand) wire provides lighter to moderate forces and slightly better resiliency than 3-strand.
- TWISTADENT™ 8-Braid wire provides the lightest forces of the multi-strand Stainless Steel wires, with relatively good resiliency.

●RTHODONTIC
wires

Packaging Options:

Wire pouch
5/10/25 wires per pouch

Individual packaging also available in plain white envelopes. *Please specify your pouch option when ordering.*

Please note: Mushroom and Looped wires are not available in new pouch option.

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Your Adenta Effect
SIMPLY BRILLIANT!
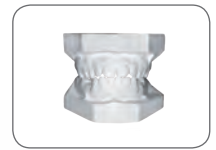
MODEL MAKER

- Exact and standardized study models in 8-10 minutes
- Without grinding
- According to international standards

4time LAB TEC

SET-UP MODEL MAKER

- Exactly register and duplicate malocclusion and Set-Up models
- Precisely transfer teeth positions to wax models
- Fits all articulator mounting plates

OCCLUSAL PLANE REFERENCE

- Precisely create and modify Set-Up models
- Modify models in single millimeter and degree steps
- Fits all articulator mounting plates

SURGICAL MODEL ACCURACY DEVICE

- Precisely and independently modify oral and maxillofacial surgical models
- Modify models in single millimeter and degree steps
- Create exact surgical splints

SMART
INNOVATION

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Nickel Titanium Maximum Bend Angles

NiTi is so resilient that it is tempting to bend it just a little more: but, how far can it go without being over-stressed and permanent deformations is introduced?

We used a three prong (.020" radius) bending pliers (jaws depicted as grey circles in diagram above) to replicate the bend angle of a wire exiting a bracket. The maximum bend angle was determined by measuring, on a degree wheel, the angle of deflection prior to permanent deformation.
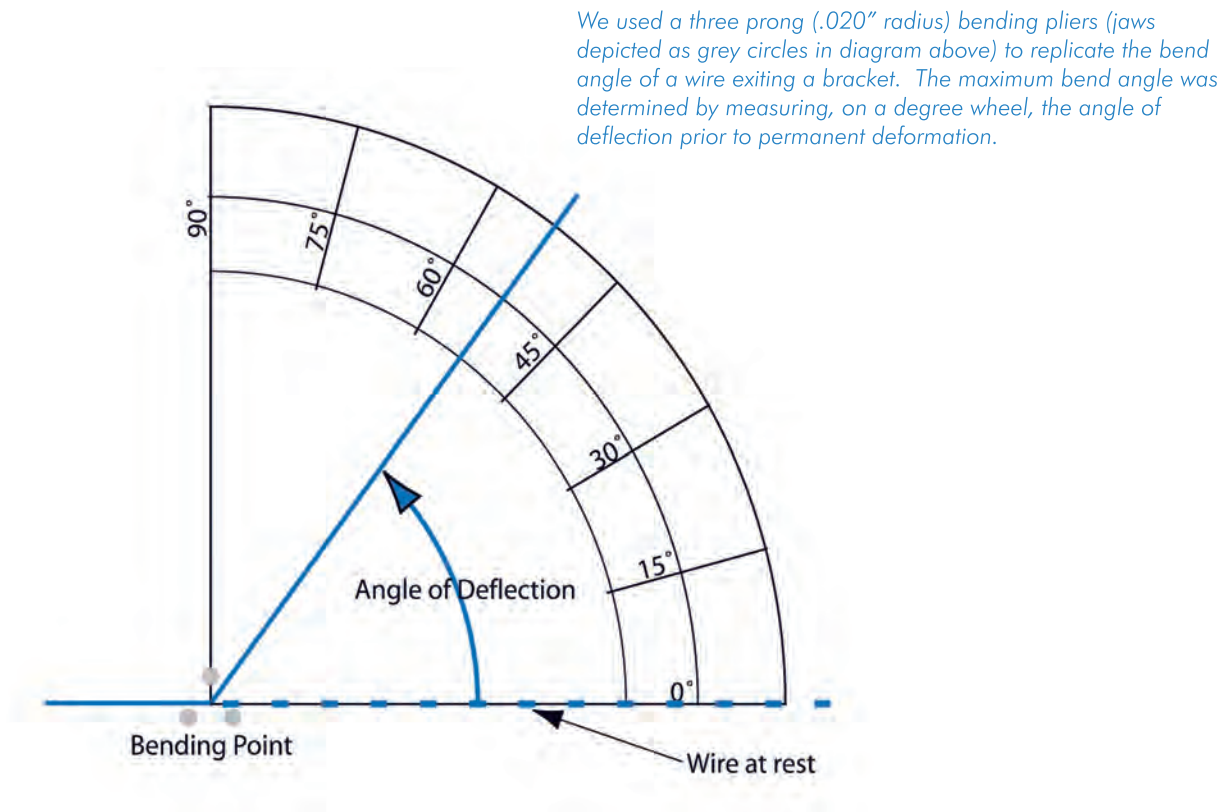
Maximum Bend Angle Guide

75°	**.012** wire
70°	**.013** wire
60°	**.014** and **.014 x .025** wire
50°	**.016** and **.018** wire
45°	**.020** , **.016 x .016** , **.016 x .022** , **.016 x .025** , and **.017 x .025** wire
43°	**.018 x .018** , **.018 x .025** , and **.019 x .025** wire
40°	**.021 x .025** wire

NOTE: This data is for approximate reference only. Actual bend angles will be dependent upon specifics of a particular case. Actual wire dimension, bracket position, slot edge radius, wire span, and ligating techniques, etc. will all affect maximum bend angle.

PRODUCT LINE HEAT ACTIVATED WIRES

ARCHWIRE AVAILABILITY

THERMADENT™ HEAT ACTIVATED Nickel Titanium Archwires 35° and 40°

THERMADENTTM is available in two activation ranges:

35°
THERMADENT™ Medium Force is our specially developed heat-activated Nickel Titanium wire with consistent A_f performance and moderate forces. This is an easy wire to work with being activated at body temperature.

40°
THERMADENT™ Light Force is a heat-activated wire specifically designed for consistent A_f performance and low tooth moving forces. THERMADENT™ wire provides outstanding resiliency and exhibits true thermal performance at temperatures higher than body temperature.

ARCH FORM	Round	Rectangular	Round-Dimpled	Rectangular-Dimpled	Pre-Stopped Round	Pre-Stopped Rectangular	pc/Pack
EURO	✓	✓	✓	✓	✓	✓	10
NATURAL	✓	✓	✓	✓	✓	✓	10
STANDARD	35°	35°	35°	35°	35°	35°	10
UNIVERSAL	✓	✓	✓	✓	✓	✓	10
BIO-OVOID	✓	✓					10
STRAIGHT	✓	✓					10
RC 1, 3, 4, 5, 6	✓	✓	✓	✓			10

*** PRE-Stopped wires are with crimpable tube stops. ***

ARCHWIRE SIZES					
.012 and .020 UNIVERSAL not avaiable					
Round	.012	.014	.016	.018	.020
Square	.016 x .016	.018 x .018	.020 x .020		
Rectangular	.014 x .025	.016 x .022	.016 x .025	.017 x .025	.018 x .025
	.019 x .025	.021 x .025			

Single Packaged Wires available for: EURO, NATURAL, STANDARD, UNIVERSAL, BIO-OVOID, RC1-6

Single packaged archwires on request available.

10 individually packaged wires per pack.

*** Minimum order of 10 packs per item number required ***

ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits - If you would like to order Heat Activated NiTi in 40°, please use NNTM for ordering, if you would like to receive Heat Activated NiTi in 35°, please use NNT.

NNT or NNTM + Arch Form + Extra + Wire Diameter + Jaw Code

40° 35°	OBLIGATORY ARCH FORM		OPTIONAL Extra		OBLIGATORY Wire Diameter		OBLIGATORY Jaw Code	
	EURO	E	Tube Stopped	T	.012"	12	Upper	U
	NATURAL	N	Dimpled	D	.014"	14	Lower	L
NNTM	STANDARD	S	No Extra		.016"	16	Upper & Lower	
	UNIVERSAL	U			...	...		
	BIO-OVOID	O	Please refer to the table above for wire Extras available for your selected arch form!		.016" x .016"	16x16		
or	STRAIGHT	ST						
	REVERSE CURVE 1	RC1			Please refer to the corresponding Archwire Availability to see which Extras are available for your selection!			
	REVERSE CURVE 3	RC3						
NNT	REVERSE CURVE 4	RC4						
	REVERSE CURVE 5	RC5						
	REVERSE CURVE 6	RC6						
	LINGUAL 1	L1						
	LINGUAL 2	L2						
	LINGUAL 3	L3						
	LINGUAL 4	L4						

NNT + E + T + 14 + U = NNTET14U

EXAMPLE 1 You would like to order a **NiTi Heat Activated 35°** archwire in **EURO** Form with **Tube Stops** on the archwire with the diameter **.014** for the **Upper Arch**.

NNTM + U + 16x16 = NNTMU16x16

EXAMPLE 2 You would like to order a **NiTi Heat Activated 40°** archwire in **UNIVERSAL** Form with the diameter **.016x.016** for the **Upper and Lower Arch**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "**S-**" in front of the item number to indicate that you would like to have your wire selection individually packaged.

ARCHWIRE AVAILABILITY

PERFECT-TI™ Nickel Titanium Superelastic Archwires Ultra-low Friction

ARCH FORM	Round-Dimpled	Rectangular-Dimpled	pc/Pack
EURO	✓	✓	10
NATURAL	✓	✓	10
UNIVERSAL	✓	✓	10

ARCHWIRE SIZES					
Round	.012	.014	.016	.018	.020
Spuare	.016 x .016				
Rectangular	.014 x .025	.016 x .022	.016 x .025	.017 x .025	.018 x .025
	.019 x .025	.021 x .025			

Single Packaged Wires available for: EURO, NATURAL, UNIVERSAL

Single packaged archwires on request available.

10 individually packaged wires per pack.

*** Minimum order of 10 packs per item number required ***

Packaging Options:

Wire pouch
5/10/25 wires per pouch

Individual packaging also available in plain white envelopes. *Please specify your pouch option when ordering.*

Please note: Mushroom and Looped wires are not available in new pouch option.

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wıres

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ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits:

PNT + Arch Form + Dimpled + Wire Diameter + Jaw Code

PNT	OBLIGATORY ARCH FORM		OBLIGATORY Extra		OBLIGATORY Wire Diameter		OBLIGATORY Jaw Code	
	EURO	E	Dimpled	D	.012"	12	Upper	U
	NATURAL	N			.014"	14	Lower	L
PNT	UNIVERSAL	U			.016"	16	Upper & Lower	
	STRAIGHT	ST			...	...		
					.016" x .016"	16x16		

Please refer to the corresponding Archwire Availability to see which Extras are available for your selection!

PNT + N + D + 16x16 + L = PNTND16x16L

EXAMPLE 1 You would like to order a **NiTi Ultra-low Friction** archwire in **NATURAL** Form with **Dimples** on the archwire in with the diameter **.016 x .016** for the **Lower Arch**.

PNT + U + D + 16 = PNTUD16

EXAMPLE 2 You would like to order a **NiTi Ultra-low Friction** archwire in **UNIVERSAL** Form with **Dimples** on the archwire in with the diameter **.016** for the **Upper and Lower Arch**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "**S-**" in front of the item number to indicate that you would like to have your wire selection individually packaged.

ARCHWIRE AVAILABILITY

FLEXADENT™ Nickel Titanium Superelastic Archwires

ARCH FORM	Round	Rectangular	Round-Dimpled	Rectangular-Dimpled	Pre-Stopped Round	Pre-Stopped Rectangular	pc/Pack
EURO	✓	✓	✓	✓	✓	✓	10
NATURAL	✓	✓	✓	✓	✓	✓	10
STANDARD	✓	✓					10
UNIVERSAL	✓	✓	✓	✓	✓	✓	10
BIO-OVOID	✓	✓	✓	✓			10
STRAIGHT 7 inch	✓	✓					10
RC 1, 3, 4, 5, 6	✓	✓	✓	✓			10
SPOOL 15 inch	✓	✓					1

*** PRE-Stopped wires are with crimpable tube stops. ***

ARCHWIRE SIZES					
Round	.012	.014	.016	.018	.020
Spuare	.016 x .016	.018 x .018	.020 x .020		
Rectangular	.014 x .025	.016 x .022	.016 x .025	.017 x .025	.018 x .025
	.019 x .025	.021 x .025			
Spools	.012	.014	.016	.018	.020

Single Packaged Wires available for: EURO, NATURAL, STANDARD, UNIVERSAL, BIO-OVOID, RC1-6

Single packaged archwires on request available.

10 individually packaged wires per pack

*** Minimum order of 10 packs per item number required ***

NATURAL FORM

CNA Beta III

UNIVERSAL FORM

Nickel Titanium superelastic
CNA Beta III
Stainless steel
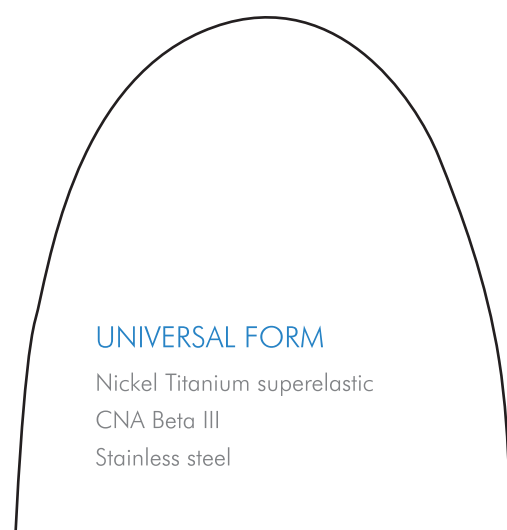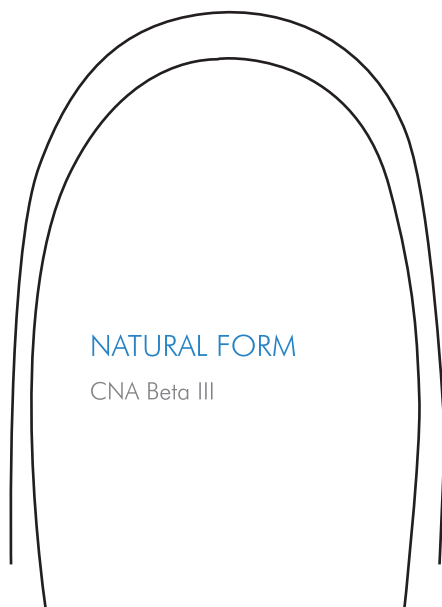
ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits:

NT + Arch Form + Extra + Wire Diameter + Jaw Code

40° 35°	OBLIGATORY ARCH FORM		OPTIONAL Extra		OBLIGATORY Wire Diameter		OBLIGATORY Jaw Code	
	EURO	**E**	Tube Stopped	**T**	.012"	**12**	Upper	**U**
	NATURAL	**N**	Dimpled	**D**	.014"	**14**	Lower	**L**
NT	STANDARD	**S**	No Extra		.016"	**16**	Upper & Lower	
	UNIVERSAL	**U**			...	**...**		
+	BIO-OVOID	**O**	Please refer to the corresponding Archwire Availability to see which Extras are available for your selection!	**+**	.016" x .016"	**16x16**		**+**
	STRAIGHT	**ST**			Please refer to the corresponding Archwire Availability to see which Extras are available for your selection!			
	REVERSE CURVE 1	**RC1**						
	REVERSE CURVE 3	**RC3**						
	REVERSE CURVE 4	**RC4**						
	REVERSE CURVE 5	**RC5**						
	REVERSE CURVE 6	**RC6**						
	SPOOL	**SP**						
	LINGUAL 1	**L1**						
	LINGUAL 2	**L2**						
	LINGUAL 3	**L3**						
	LINGUAL 4	**L4**						

NT + O + D + 14 + U = NTOD14U

EXAMPLE 1 You would like to order a **NiTi Superelastic** archwire in **BIO-OVOID** Form with **Dimples** on the archwire in with the diameter **.014** for the **Upper Arch**.

NT + E + 16x16 + L = NTE16x16L

EXAMPLE 2 You would like to order a **NiTi Superelastic** archwire in **EURO** Form with on the archwire in with the diameter **.016x.016** for the **Lower Arch**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "**S-**" in front of the item number to indicate that you would like to have your wire selection individually packaged.

ARCHWIRE AVAILABILITY

TRIDENT™ CNA Beta III Nickel Free

ARCH FORM	Round	Rectangular	Pre-Stopped Round	Pre-Stopped Rectangular	pc/Pack
EURO	✓	✓	✓	✓	10
NATURAL	✓	✓	✓	✓	10
STANDARD	✓	✓	✓	✓	10
UNIVERSAL		✓			10
STRAIGHT 14 inch	✓	✓			10
Mushr. 2-Loops		✓			10
CTA Intrusion Arch		✓			10

*** PRE-Stopped wires are with crimpable tube stops. ***

Mushroom Looped available for:
Upper arch form: 32-56mm in 2mm increments
Lower arch form: 24-30mm in 2mm increments
Anterior Loop Spacing is measured from center of loops

ARCHWIRE SIZES

UNIVERSAL available only in .016x.022 - .016x.025 - .017x.025 - .018x.025 - .019x.025
STRAIGHT length wires are available in all of the above wire sizes as well as .027 - .032 - .036
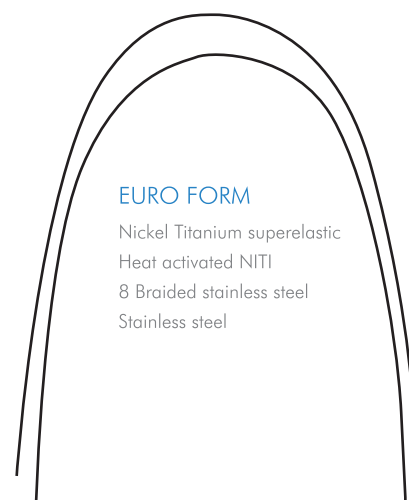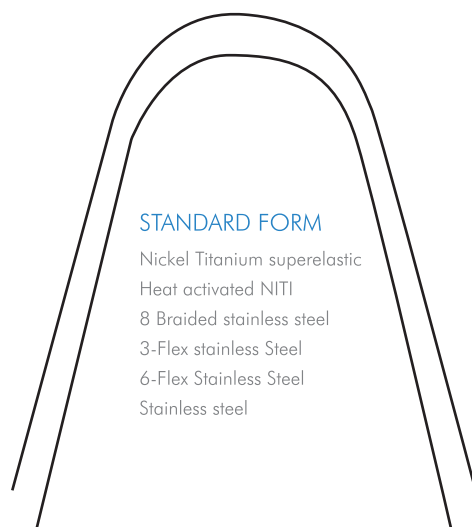CTA INTRUSION ARCH available only in .016x22 and .017x.025

Round	.012	.014	.016	.018	.020
Spuare	.016 x .016	.018 x .018			
Square	.016 x .022	.017 x .025	.018 x .025	.019 x .025	.021 x .025

Single Packaged Wires available for: EURO, NATURAL, STANDARD, UNIVERSAL

Single packaged archwires on request available, except looped archwires.

10 individually packaged wires per pack

*** Minimum order of 10 packs per item number required ***

STANDARD FORM
Nickel Titanium superelastic
Heat activated NITI
8 Braided stainless steel
3-Flex stainless Steel
6-Flex Stainless Steel
Stainless steel

EURO FORM
Nickel Titanium superelastic
Heat activated NITI
8 Braided stainless steel
Stainless steel

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ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits:

CNA + Arch Form + Extra + Wire Diameter + Jaw Code

40° 35°	OBLIGATORY ARCH FORM		OPTIONAL Extra		OBLIGATORY Wire Diameter		OBLIGATORY Jaw Code	
	EURO	E	No Extra		.012"	12	Upper	U
	NATURAL	N	Tube	T	.014"	14	Lower	L
CNA	STANDARD	S	24mm	24	.016"	16	Upper & Lower	
	UNIVERSAL	U	26mm	26	...	...		
	BIO-OVOID	O	28mm	28	.019" x .025"	19x25		
+	STRAIGHT	ST	...	...	+		+	
	MUSHR. 2 Loop	M	56mm	56	Please refer to the corresponding Archwire Availability to see which Extras are available for your selection!			
	CTA INTR. ARCH	CTA						
	LINGUAL 1	L1						
	LINGUAL 2	L2	Please refer to the corresponding Archwire Availability to see which Extras are available for your selection!					
	LINGUAL 3	L3						
	LINGUAL 4	L4						

CNA + N + T + 14 + U = CNANT14U

EXAMPLE 1 You would like to order a **CNA Beta III Nickel Free** archwire in **NATURAL** Form with **Pre-Stopped Tubes** on the archwire in with the diameter **.014** for the **Upper Arch**.

CNA + M + 34 + 19x25 = CNAM3419x25

EXAMPLE 2 You would like to order a **CNA Beta III Nickel Free** archwire with **Mushroom 2 Loop** with **34mm Anteriar Loop Spacing** in wire diameter **.019 x .025**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "**S-**" in front of the item number to indicate that you would like to have your wire selection individually packaged.

ARCHWIRE AVAILABILITY

DURADENT™ Stainless Steel Archwires

ARCH FORM	Round	Rectangular	pc/Pack
EURO	✓	✓	25
NATURAL	✓	✓	25
STANDARD	✓	✓	25
UNIVERSAL	✓	✓	25
BIO-OVOID	✓	✓	25
STRAIGHT 14	✓	✓	10
KEYHOLE 2 Loop		✓	10
KEYHOLE 4 Loop		✓	10

Keyhole Looped available for:
Wire Sizes 2-Loop: .016x.022, .017x.025, .019x.025
Wire sizes 4-Loop: .016x.022, .017x.025, .019x.025, .021x.025
Anterior Loop Spacing for 2- and 4-Keyhole Loops measured from the center of mesial loops: 22-44mm, in 2mm increments

Arch Forms: EURO, NATURAL, STANDARD, UNIVERSAL, BIO-OVOID					
Round	.012	.014	.016	.018	.020
Spuare	.016 x .016	.017 x .017	.018 x .018	.020 x .020	
Rectangular	.016 x .022	.016 x .025	.017 x .022	.017 x .025	.018 x .022
	.018 x .025	.019 x .025	.012 x .025		

Arch Forms: STRAIGHT					
Round	.012	.014	.016	.018	.020
	.022	.024	.025	.026	.028
	.030	.032	.036	.040	.045
	.051	.056	.060		
Spuare	.016 x .016	.017 x .017	.018 x .018	.019 x .019	.020 x .020
Rectangular	.016 x .022	.017 x .022	.017 x .025	.018 x .022	.018 x .025
	.019 x .025	.012 x .025			

Single Packaged Wires available for: EURO, NATURAL, STANDARD, UNIVERSAL, BIO-OVOID

Single packaged archwires on request available, except looped archwires.

10 individually packaged wires per pack

*** Minimum order of 10 packs per item number required ***

ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits:

ST + Arch Form + Wire Diameter + Jaw Code

		OBLIGATORY ARCH FORM		OPTIONAL Extra		OBLIGATORY Wire Diameter		OBLIGATORY Jaw Code	
		EURO	E	No Extra		.012"	12	Upper	U
		NATURAL	N	22mm	22	.014"	14	Lower	L
ST		STANDARD	S	24mm	24	.016"	16	Upper & Lower	
		UNIVERSAL	U	26mm	26	...	...		
		BIO-OVOID	O	28mm	28	.019" x .025"	19x25		
	+	STRAIGHT	ST	+ ...	...	+ Please refer to the corresponding Archwire Availability to see which Extras are available for your selection!		+	
		KEYHOLE 2	K2	44mm	44				
		KEYHOLE 4	K4						

Please refer to the corresponding Archwire Availability to see which Extras are available for your selection!

ST + E + 16x22 + L = STE16x22L

EXAMPLE 1   You would like to order a **Stainless Steel** archwire in **EURO** Form with the diameter **.016x.022** for the **Lower Arch**.

ST + K2 + 22 + 17x25   =   STK22217x25

EXAMPLE 2   You would like to order a **Stainless Steel** archwire with **Keyhole 2 Loops** with 22mm Anterior Loop Spacing with the diameter **.017x.025** for the **Upper or Lower Arch**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "**S-**" in front of the item number to indicate that you would like to have your wire selection individually packaged.

ARCHWIRE AVAILABILITY

TWISTADENT™ Stainless Steel Twisted/Braided/Stranded/Coax Archwires

	ARCH FORM	Round	Rectangular	pc/Pack
TWISTADENT 3-strand **T3**	NATURAL	✓	✓	10
	STANDARD	✓	✓	
	STRAIGHT 14 inch	✓	✓	10
	Spool 30 foot	✓		1
TWISTADENT 6-Coax **T6**	NATURAL	✓		10
	STANDARD	✓		
	STRAIGHT 14 inch	✓		10
	Spool 30 foot	✓		1
TWISTADENT 7-braid **T7**	Spool 30 foot	✓		1
TWISTADENT 8-braid **T8**	NATURAL		✓	10
	EURO		✓	
	STRAIGHT 14 inch		✓	10
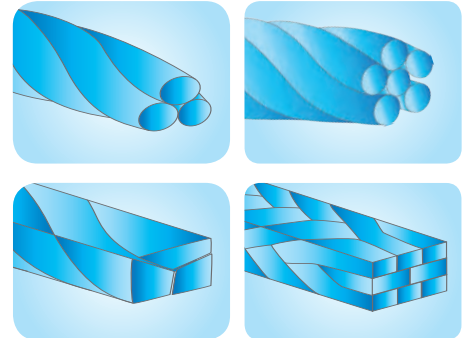
Arch Forms: TWISTADENT 3-strand				
Round and Spools	.0155	.0175	.0195	.0215
Spuare	.016 x .016			
Rectangular	.016 x .022	.017 x .025	.018 x .025	.019 x .025

Arch Forms: TWISTADENT 6-coax				
Round and Spools	.0155	.0175	.0195	.0215

Arch Forms: TWISTADENT 7-braid			
Spools	.0155	.0175	.0195

Arch Forms: TWISTADENT 8-braid					
Spuare	.016 x .016				
Rectangular	.016 x .022	.017 x .025	.018"x .025	.019 x .025	.021 x .025

Single Packaged Wires available for: EURO, NATURAL, STANDARD

Single packaged archwires on request available.

10 individually packaged wires per pack

*** Minimum order of 10 packs per item number required ***

Bringing German Engineering to Orthodontics

ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits:

T3 or T6 or T7 or T8 + Arch Form + Wire Diameter + Jaw Code

		OBLIGATORY ARCH FORM		OBLIGATORY Wire Diameter		OBLIGATORY Jaw Code	
		EURO	**E**	.012"	**12**	Upper	**U**
		NATURAL	**N**	.014"	**14**	Lower	**L**
T3		STRAIGHT	**ST**	.016"	**16**	Upper & Lower	
or		SPOOL	**SP**	...	**...**	Spool	
T6				.019" x .025"	**19x25**		
or	**+**			**+**		**+**	
T7				Please refer to the corresponding Archwire Availability to see which Extras are available for your selection!			
or							
T8							

T7 + SP + 175 = T7SP175

EXAMPLE 1   You would like to order a **7-braid Stainless Steel** archwire on a **SPOOL** with the diameter **.0175**.

T8 + E + 18x25 + U = T8E18x25U

EXAMPLE 2   You would like to order a **8-braid Stainless Steel** archwire in **EURO** Form with the diameter **.018x.025** for the **Upper Arch**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "**S-**" in front of the item number to indicate that you would like to have your wire selection individually packaged.
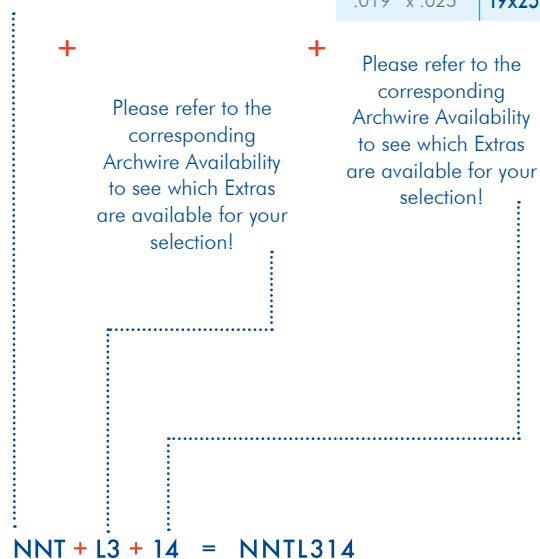
ARCHWIRE AVAILABILITY

LINGUAL ARCH WIRES

	ARCH FORM	Round	Square / Rectangular	pc/Pack
THERMADENT 40°	LINGUAL Form 1, 2, 3, 4	.012 - .014 - .016	.016x.016 - .016x.022 - .017x.025	5
FLEXADENT	LINGUAL Form 1, 2, 3, 4	.014		5
TRIDENT	LINGUAL Form 1, 2, 3, 4		.016x.016 - .016x.022 - .017x.025	5
DURADENT	LINGUAL Form 1, 2, 3, 4	.016	.016x.016 - .018x.018 - .016x.022 - .018x.025	10

ARCHWIRE ORDER INFORMATION

In order to facilitate your ordering process, you can customize your wire and create your item number by combining the following digits:

Material Selection + Arch Form + Wire Diameter

OBLIGATORY MATERIAL SELECTION		OBLIGATORY ARCH FORM		OBLIGATORY Wire Diameter	
NiTi Heat Activated	NNT	r = 11.0 mm	L1	.012"	12
NiTi Superelastic	NT	r = 12.3 mm	L2	.014"	14
CNA Beta III	CNA	r = 13.6 mm	L3	.016"	16
Stainless Steel	ST	r = 14.9 mm	L4	...	...
				.019" x .025"	19x25

+ Please refer to the corresponding Archwire Availability to see which Extras are available for your selection!

+ Please refer to the corresponding Archwire Availability to see which Extras are available for your selection!

NNT + L3 + 14 = NNTL314

EXAMPLE 1 You would like to order a **NiTi Heat Activated** archwire in **LINGUAL Form 3** with an anterior radius of **13.6 mm** with the wire diameter of **.014**.

NT + L3 + 14 = NTL314

EXAMPLE 2 You would like to order a **NiTi Superelastic** archwire in **LINGUAL Form 3** with an anterior radius of **13.6 mm** with the wire diameter of **.014**.

For Single Packaged Arch Wires please use the same Order Logic as above stated. Please put a "**S-**" in front of the item number to indicate that you would like to have your wire selection individually packaged.

Bringing German Engineering to Orthodontics

FLEXADENT Nickel Titanium Springs

Nickel Titanium's superelastic qualities make it the perfect material for orthodontic springs. With proper usage, NiTi springs are highly resistant to permanent set and provide comfortable, predictable forces during treatment. In comparison, stainless steel springs exert high initial forces, lose force quickly after placement, and will commonly take a permanent set.

Open Coil Spring
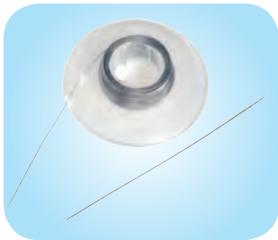
- Made of premium Nickel Titanium wire with variable force.
- Provide continuous forces throughout activation.
- Virtually no permanent deformation with proper usage.
- Wide range of forces available.

NiTi Open Coil Spring		STRAIGHT	SPOOL
Variable Force	.010" x .030"	FONT1	FONTS1
	.012" x .030"	FONT2	FONTS2
	.014" x .036"	FONT3	FONTS3
	.014" x .036"	FONT4	FONTS4
	.014" x .036"	FONT5	FONTS5

7 inch lengths (3 per tube) an 15 inch spools.

Closed Coil Spring

- Springs are made of premium Nickel Titanium wire with superelastic force.
- Provide continuous retraction forces throughout activation.
- Securely attached, precision designed Stainless Steel Key-end eyelets for easy attachment.
- Recommended activation length is two times original spring length.

NiTi Closed Coil Spring		9mm	12mm	pcs/pack
Super-elastic Force	.009" x .030" - Super Light	FGNTO	FGNTL3	3
	.010" x .030" - Light	FGNT1	FGNTL1	3
	.011" x .030" - Medium	FGNT2	FGNTL2	3
	.012" x .030" - Heavy	FGNT3	FGNTL3	3

Distalizing Spring

NiTi Distalizing Spring	Light Spool	Medium Spool	Heavy Spool	Light Length	Medium Length	Heavy Length
.009" x .036"	DSSL9x36			DSLL9x36		
.010" x .036"		DSSM10x36			DSML10X36	
.010" x .045"		DSSM10x45			DSML10X45	
.011" x .036"			DSSH11x36			DSHL11X36
.011" x .045"		DSSH11x45				DSHL11x45

7 inch lengths (3 per tube) an 15 inch spools.

Niti Class II Springs

NiTi Class II Spring		
10 pieces	.007" x .020"	NTC27X20
	.007" x .024"	NTC27X24
	.007" x .026"	NTC27X26
	.007" x .030"	NTC27X23

Stainless Steel Auxiliary Products

SS Extension and Compression Spools

An economical offering, Stainless Steel springs provide high initial forces; however, unlike the forces of our premium Nickel Titanium springs, stainless steel forces of our premium Nickel Titanium springs, stainless steel forces decrease rapidly with toorh movement. Stainless Steel springs are also subject to taking a permanent set when fully compressed or expanded.

40 inch spool

	EXTENSION	COMPRESSION
.010" x .028"		ST-SPC 10x28
.010" x .030"	ST-SPE10x30	ST-SPC10x30
.010" x .036"		ST-SPC10x36

- Extension springs are effective in maintaining space openings.
- Compression springs are most commonly used to create space.
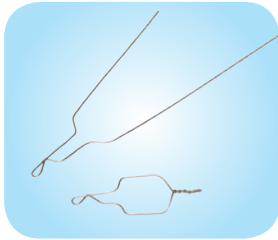
SS Kobayashi Ties   ## SS Ligature Ties

Our Preformed Ligature and Kobayashi products are made of annealed 304 Stainless Steel to ensure consistent shape and predictable performance. Used in place of elastic ligatures, you will appreciate the ease with which they can be placed over the bracket and tied.

Stainless Steel Kobayashi Ties

		Long	Short
	.010"	ST-KTL10	
100 pieces	.012"	ST-KTL12	ST-KTS12
	.014"	ST-KTL14	ST-KTS14

Stainless Steel Ligature Ties

		Long	Short
1000 pieces	.008"	ST-LWL8	
1000 pieces	.009"	ST-LWL9	
500 pieces	.010"	ST-LWL10	ST-LWS10
1000 pieces	.012"	ST-LWL12	

Wire Accessories

SS Crimpable Ball Hooks

Crimpable Stop	Item #
RIGHT- PK 10	SSBHR
LEFT- PK 10	SSBHL
STRAIGHT- PK 10	SSBHS

Stainless Steel Stop Lock

Description	Item #
STOP LOCK - PK 5	SL
WRENCH	SLW

SS Crimpable C Stops
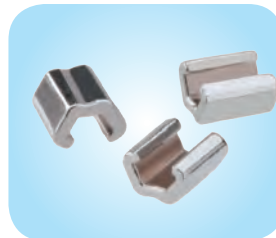
Description	Item #
C Stop- PK 10	CSTOP

SS Crimpable Split Stops
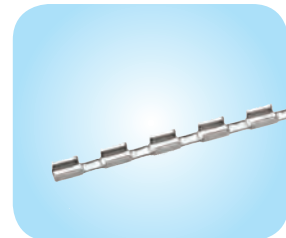
Description	Item #
SPLIT STOP- PK 10	S