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This is not meant to be a "cookbook".

Orthodontic treatment should be tailored to the specific needs of each patient, based on a thorough diagnosis and the creation of an individual treatment plan with attention to proper and realistic biomechanics. At the same time, I firmly believe that being a good orthodontist does not mean producing one or two exceptional "congres cases" per year, but it is providing all patients with a constant high level of care. Hence this booklet is meant to provide the orthodontist with a general framework which can be adapted to the needs of individual patients.

I wish you all the best and success.





Dr. Stefano troiani

Dr. Stefano Troiani graduated from the orthodontic program at the University of Aarhus in Denmark receiving his MSc in Orthodontics in 2003.

He owned private practices in Denmark and Germany between 2003 and 2018.

From 2005 to 2007, he worked as Clinical Assistant Professor at the Department of Orthodontics of the University of Aarhus.

Dr. Troiani was scientific director for the Alpe Adria Face master program at the University of Graz, Ljubljana and Zagreb in 2012-13.

He was a consultant orthodontist at the Department of Maxillo-Facial Surgery at Sønderborg Hospital in 2008-2009 and from 2008 until 2018 at the Department of Maxillo-Facial Surgery at Odense University Hospital in Denmark.

Currently Dr. Troiani is in private practice in Switzerland and to date has held more than 130 courses and lectures internationally.

CLASS 1, NORMAL DIVERGENT, NON-EXTRACTION

Critical points:

- Minimize emergencies
- Avoid over-torque upper incisors but coordinate arch length
- Avoid posterior precontacts

Recommended brackets and tubes

GET prescription standard, eventually self-ligating tubes 16 26

Eventual variations in bracket positioning

Insert 7s only in first squared / rectangular wire

- .018" x .018" BioActive light (if steps lower than 45 degrees), otherwise .014" Initialloy C form,
- First bracket repositioning
- .017" x .025" Beta Titanium C form upper and lower
- Second repositioning, verification posterior precontacts, eventual step-out between upper 6 and 7 in upper
- Finishing with .019" x .025" Multiflex upper and lower (in upper alternatively .016" SS in case premolars are flared out), intercuspidation elastics





CLASS 1, HIGH ANGLE, NON EXTRACTION

Critical points:

- Avoid to overpower masticatory muscle force
- Avoid posterior precontacts

Recommended brackets and tubes

GET prescription standard, eventual bands upper 6s and 7s if flared out

Eventual variations in bracket positioning

Upper and lower anterior segment (3 to 3) placed 1 mm more gingival as normally planned. Include lower 7s from the start or anyway as early as possible

- .014" Intialloy light C form kept for 24 weeks
- .018" x .018" BioActive Light C form
- First bracket repositioning
- .017" x .025" SS upper coordinated to lower archform and .019" x .025" Multiflex lower,
- Final bracket repositioning to increase intercuspidation
- Finishing with .019" x .025" Multiflex upper and lower (in upper alternatively .016" SS in case premolars are flared out), intercuspidation elastic



CLASS 1, LOW ANGLE, NON EXTRACTION

Critical points:

- Minimize emergencies
- Level lower Spee curve

Recommended brackets and tubes

GET prescription standard

Eventual variations in bracket positioning

- Upper and lower anterior segment (3 to 3) placed 1 mm more occlusal as normally planned
- Include lower 7s from the start or anyway as early as possible
- Use anterior bite Ramps, removable or fixed

- .020" x .020" BioActive light (if steps lower than 45 degrees), otherwise first phase with .014" Initialloy C form
- First bracket repositioning
- .019" x .025" SS upper and lower, coordinated with lower arch, in lower arch counter-spee and compensatory torque lower incisors
- Remove anterior bite raise
- Second bracket repositioning, back to .020" x .020" BioActive light
- .019" x .025" BetaTitanium upper and lower with eventual steps and adaptation to lower arch





CLASS 1, 4 PREMOLARS EXTRACTION, INTERMEDIATE ANCHORAGE

Critical points:

- Control anchorage
- Control incisors torque

Recommended brackets and tubes

GET prescription, possibly use bands 16 26 with lingual sheat

Eventual variations in bracket positioning

None

- Start in lower arch, trying to be about 2-3 months in front of upper arch, 18x18 BioActive light C form, lose stinch back, eventual use closed coils in case of asymmetric space distribution
- Powerchain for space consolidation from 3 to 3, tight cinch back
- .019" x .025" SS DKL, 30 degrees compensatory bend on distal DKL, activation 1,5 mm opening, ligature to 6s, ligate together 2 DKL only in case of arch bowing
- First bracket repositioning after space closure completed, back to .020" x .020" BioActive light
- .019" x .025" SS coordinated and adapted to lower archform, with powerchain from 6 to 6
- Verification posterior precontacts
- Finishing with .019" x .025" Multiflex upper and lower (in upper alternatively .016" SS in case premolars are flared out), intercuspidation elastics



CLASS 1, 4 PREMOLARS EXTRACTIONS, MAXIMUM ANCHORAGE WITHOUT TADS

Critical points:

- Control anchorage
- Prevent arch bowing

Recommended brackets and tubes

GET prescription modified with .022" x .028" slot incisors, Bands 16 26 with lingual sheat

Eventual variations in bracket positioning

None

- Start in lower arch, trying to be about 2-3 months in front of upper arch, .014" Niti C form, do not stinch back, eventual use closed coils in case of asymmetric space distribution
- .018" x .018" BioActive light C form
- Powerchain for space consolidation from 3 to 3
- .019" x .025" SS C form posted, rounded from 3 to 3, active tiebacks elastic changed every 6 weeks, eventual reinforce anchorage upper with TPA if needed
- First bracket repositioning after space closure completed, back to .018" BioActive light
- .019" x .025" SS coordinated and adapted to lower archform, rounded upper front in case upper incisors are proclined, with powerchain from 6 to 6
- Verification posterior precontacts
- Finishing with .019" x .025" Multiflex upper and lower (in upper alternatively .016" SS in case premolars are flared out), intercuspidation elastics





CLASS 1, 4 PREMOLARS EXTRACTION, MINIMUM ANCHORAGE WITHOUT TADS

Critical points:

- Control anchorage control incisors torque
- Prevent arch bowing

Recommended brackets and tubes

GET prescription

Eventual variations in bracket positioning

None

- Start in lower arch, trying to be about 2-3 months in front of upper arch, .020" x .020" BioActive light C form, tight stinch back, eventual use closed coils in case of asymmetric space distribution
- Powerchain for space consolidation space from 3 to 3, tight cinch back
- .019" x .025" SS DKL, rounded posteriorly, 30 degrees compensatory bend on distal DKL, activation 1,5 mm opening, ligature to 6s, eventual ligate together 2 DKL to reinforce anterior anchorage
- Eventual mesilisation 7s against full arch
- First bracket repositioning after space closure completed, back to .020" x .020" BioActive light
- .019" x .025" SS coordinated and adapted to lower archform, with powerchain from 6 to 6
- Verification posterior precontacts
- Finishing with .019" x .025" Multiflex upper and lower (in upper alternatively .016" SS in case premolars are flared out), intercuspidation elastics



2 UPPER PREMOLARS EXTRACTION (THERAPEUTICAL DISTAL MOLAR FINISHING)

Critical points:

- Maintain upper arch length
- Achieve positioning of the mesio-lingual cuspid of 16 26 in embrasure between lower 5 and 6

Recommended brackets and tubes:

GET prescription use tubes upper first and second molar with 0 degree offset

Eventual variations in bracket positioning

In case 0 degrees offset tubes are not available and normal offset tubes are used, position them distally

- .020" x .020" BioActive light C form upper and lower, lose stinch back, eventual use closed coils in case of asymmetric space distribution
- Powerchain for solidarization space from 3 to 3, tight cinch back
- .019" x .025" DKL with adaptation after the type of anchorage needed (se above)
- First bracket repositioning after space closure completed, back to .020" x .020" BioActive light
- .019" x .025" SS coordinated and adapted to lower archform, with powerchain from 6 to 6
- Verification posterior precontacts
- Finishing with .019" x .025" Multiflex upper and lower (in upper alternatively .016" CF in case premolars are flared out), intercuspidation elastics





SPACE CLOSURE WITH TADS

Critical points:

• Prevent side effects generated from critical binding

Recommended brackets and tubes

Use bands or double tubes to allow use of powerarms

Eventual variations in bracket positioning

None

Wire sequences:

• Space closure on .017" x .025" SS, using power arms to TADS. Use interrupted forces and allow rest time to allow root uprighting.



Class 2 BITE JUMPING

Critical points:

- Coordinate arch length
- Prevent side effects

Recommended brackets and tubes

GET prescription with bands 16 26 with lingual sheat and possibly 37 47

Eventual variations in bracket positioning

None

- .020" x .020" BioActive light (if steps lower than 45 degrees), otherwise .014" Initially C form
- First bracket repositioning
- Insert transpalatal arch 16 26 passive
- .019" x .025" SS upper and lower coordinated to lower arch, lower with compensatory negative crown torque incisors
- Bite jumping on the wire
- Remove after 8-12 months and allow 1 month for relapse
- Second bracket repositioning, verification posterior precontacts, back to .020" x .020" BioActive light
- Finishing with .019" x .025" Multiflex upper and lower (in upper alternatively .016" SS in case premolars are flared out), intercuspidation elastics





Class 2 ELASTICS

Critical points:

• Prevent side effects

Recommended brackets and tubes

GET prescription

Eventual variations in bracket positioning

None

- .020" x .020" BioActive light (if steps lower than 45 degrees), otherwise first phase with .014" Initialloy C form
- First bracket repositioning
- .019" x .025" SS upper and lower coordinated to lower arch, upper posted with hooks between lateral incisors and canines, lower with compensatory negative crown torque incisors, Class 2 elastics from lower 6 to upper hook on the wire
- After correction remove and allow 1 month for relapse
- Second bracket repositioning, verification posterior precontacts, back to .020" x .020" BioActive light
- Finishing with .019" x .025" Multiflex upper and lower (in upper alternatively .016" SS in case premolars are flared out), intercuspidation elastics



CAMOUFLAGE APLASIA LATERAL INCISORS (in case the patient shows gum at smiling)

Critical points:

• Achieve ideal gingival profile

Recommended brackets and tubes

GET prescription standard, tubes with 0 degrees offset upper molars

Eventual variations in bracket positioning

- 13 23 use brackets from 35 45 with hook occlusal and bonded about 5 degrees distal tipped,
- 14 24 use brackets 13 23.
- Measure positioning front from gingival margin, not occlusal edge.
- In case 0 degrees offset tubes are not available and normal offset tubes are used, position them distally

- .020" x .020' BioActive light (if steps lower than 45 degrees), otherwise first phase with .014" Initialloy C form
- First bracket repositioning
- .019" x .025" SS upper and lower coordinated to lower arch
- As soon as torque upper canines is appropriate, switch to .020" SS Upper adapted to lower
- Second bracket repositioning, verification posterior precontacts
- Finishing with .018" SS Upper and .019" x .025" Multiflex lower, intercuspidation elastics





Class 3 DECOMPENSATION FOR SURGERY

Critical points:

- Decompensate lower incisors torque
- Decompensate torque posterior segment upper and lower

Recommended brackets and tubes

GET prescription standard, eventually use bands upper arch

Eventual variations in bracket positioning

- Lower incisors brackets rotated 180 degrees and switched right to left and viceversa
- Tubes lower molars and eventually brackets lower premolars rotated 180 degrees in case of lingual collapse

- .020" x .020" BioActive light (if steps lower than 45 degrees), otherwise first phase with .014" Initialloy, use A form in upper and B form in lower
- Eventual transpalatal arch if molars still flared out
- First bracket repositioning, reposition lower incisors and lower molar to normal if correction torque satisfactory
- .019" x .025" SS coordinated to lower, upper divided in 3 parts, keep 3 months before surgery
- Post-surgical protocol



TRANSVERSAL DISCREPANCIES

Critical points:

• Prevent relapse transversal discrepancy after correction with Expander, etc.

Recommended brackets and tubes:

Use self-ligating tube in upper 6s

Eventual variations in bracket positioning

None

- Depending on vertical and anchorage (see above).
- Use B form in upper and A form in lower
- \bullet Finishing wire upper .019" x .025" Beta-Titanium, eventually with step-out between 6s and 7s upper in case of tendency to crossbite 7s







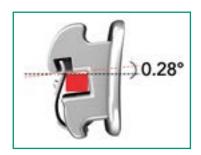
GET Prescription: Brackets

Upper

U1, U2: .020" x .028" slot - U1: 12°T, 5°A / U2: 8°T, 9°A

The problem with upper incisors is normally a lack of torque at the end of the treatment. This is due to a play between the archwire and the slot. In some prescriptions, extra-torque series of brackets are available. We prefer to decrease the size of the slot and maintain normal torque values. This has two benefits:

- Allows more predictable expression of torque values
- Reduces the need of additional inventory for the orthodontist



Torque play in GET brackets based on wire and bracket slot sizes (.020" x .028" vs. .022" x .028").

Measurement made at Tomy (Japan) R&D laboratory.

Tomy's comment:



We would like to report the minimum and maximum theoretical play calculated from the dimensions obtained from the actual manufacturing records (product inspection records) of brackets and wires as follows. As for the radius of curvature of wire, it is normally about 0.05mm in our wires, but competitors' wires may have larger radius, so we also calculated the play when it is 0.1mm as a reference.

Davidson	VA/C	\\\\'	.020" x	.028"slot	.022" x .028"slot	
Bracket	Wire	Wire material	MIN	MAX	MIN	MAX
	0.019"×0.025"	SS Rh	2.94°	5.90°	8.26°	11.73°
EXPERIENCE Metal & Mini Metal	0.019"×0.025"	NiTi	2.55°	5.22°	7.93°	11 .00°
0.020"×0.020"	0.020"×0.020"	NiTi	0.28°	3.72°	7.40°	11.80°
	0.019"×0.025"	SS Rh	3.70°	6.71°	9.35°	12.89°
EXPERIENCE C	0.019"×0.025"	NiTi	3.30°	6.03°	8.99°	12.15°
	0.020"×0.020"	NiTi	1.26°	4.81°	8.86°	13.52°



Upper

U3: .022" x .028" slot - U3: 0°T, 11°A

We chose the original straight wire 11 degrees mesial tip, to allow an increase in arch length in the upper arch and 0 degrees torque to avoid too steep a canine guidance, which can lead to an increase in immediate Bennett movement.

U4, U5: .022" x .028" slot - U4/5: -10°T, 4°A

We chose to add very little extra lingual crown torque (-10 degrees). We do not want to have upper bicuspids with a marked lingual inclination (an «open» position is better from a gnathological standpoint) but a 3 degrees extra negative torque is needed to compensate for side-effects of levelling, which tends to flare out premolars.

U6, U7: .022" x .028" slot - U6: -20°T, 10°OF / U7: -25°T, 6°OF

We reduced the value of the distal rotation to the original straight wire value (U6) and even less(U7). This is to avoid a lingually projection of the distal-buccal cusp of the upper second molar, which is a major source of premature contacts.

We also chose to increase the lingual crown torque in order to reduce the tendency to premature contacts due to hanging palatal cusps of upper molars (especially second molars).

Lower

L1, L2: .020" x .028" slot - L1 / L2: -1°T, 2°A

We maintained Classical values of torque, but the .020"x;028" slot allows an optimal control. Moreover, the low profile of EXPERIENCE mini brackets helps to solve a very common problem of self-ligating brackets, which tend to give a premature contact with the palatal faces of the upper incisors, in some cases hindering the completion of the overjet reduction.

L3: .022" x .028" slot - L3: -3°T, 3°A

A reduced value of mesial tip, to reduce the lower arch's length. At the same time, we chose a reduced value of lingual crown torque, to avoid excessive transverse overjet and to harmonise with the decreased lingual crown torque on the upper cuspids.

L4, 5, 6, 7: .022" x .028" slot - L4: -17°T, 1°A / L5: -22°T, 1°A / L6: / L7: -30°T, -1°A



EXPERIENCE mini metal Rhodium

Maxillary

Tooth	Tanania	Angulation	Rotation	P/N		
	Torque			R	L	
U 1 .020" × .028"	12°	5°	0°	24-5110-0500	24-5210-0500	
U 2 .020" × .028"	8°	9°	0°	24-5120-0500	24-5220-0500	
U 3/Hk .022" × .028"	0°	11°	0°	24-213D-0500	24-223D-0500	
U 4/5 .022" × .028"	-10°	4°	2°d	24-2140-0500	24-2240-0500	
U 4/5/Hk .022" × .028"	-10°	4°	2°d	24-214M-0500	24-224M-0500	

Mandibular

L 1/2 .020" × .028"	-1°	2°	0°	24-5410-0500	24-5310-0500
L 3/Hk .022" × .028"	-3°	3°	0°	24-243D-0500	24-233D-0500
L 4 .022" × .028"	-17°	1°	4°d	24-2440-0500	24-2340-0500
L 4/Hk .022" × .028"	-17°	1°	4°d	24-244D-0500	24-234D-0500
L 5 .022" x .028"	-22°	1°	4°d	24-2450-0500	24-2350-0500
L 5/Hk .022" × .028"	-22°	1°	4°d	24-245D-0500	24-235D-0500

EXPERIENCE mini metal Rhodium Kits



Prescription	Lower arch	Hook on	Hook	P/N .022"
G.E.T.	5-5	5-5	3	24-5CC3-0500
G.E.T.	5-5	5-5	3,4,5	24-5CC5-0500





EXPERIENCE mini metal



Maxillary

Tooth	Torque	Angulation	Rotation	P/N		
	Torque			R	L	
U 1 .020" × .028"	12°	5°	0°	21-5110-0500	21-5210-0500	
U 2 .020" × .028"	8°	9°	0°	21-5120-0500	21-5220-0500	
U 3/Hk .022" × .028"	0°	11°	0°	21-213D-0500	21-223D-0500	
U 4/5 .022" x .028"	-10°	4°	2°d	21-2140-0500	21-2240-0500	
U 4/5/Hk .022" × .028"	-10°	4°	2°d	21-214M-0500	21-224M-0500	

Mandibular

L 1/2 .020" × .028"	-1°	2°	0°	21-5410-0500	21-5310-0500
L 3/Hk .022" x .028"	-3°	3°	0°	21-243D-0500	21-233D-0500
L 4 .022" x .028"	-17°	1°	4°d	21-2440-0500	21-2340-0500
L 4/Hk .022" × .028"	-17°	1°	4°d	21-244D-0500	21-234D-0500
L 5 .022" x .028"	-22°	1°	4°d	21-2450-0500	21-2350-0500
L 5/Hk .022" × .028"	-22°	1°	4°d	21-245D-0500	21-235D-0500

EXPERIENCE mini metal Kits



Prescription	Lower arch	Hook on	Hook	P/N .022"
G.E.T.	5-5	5-5	3	21-5CC3-0500
G.E.T.	5-5	5-5	3,4,5	21-5CC5-0500



EXPERIENCE metal



Maxillary

Tooth	Torque Apquistion		Rotation	P/N		
	Torque	Angulation	ROLATION	R	L	
U 1 .020" × .028"	12°	5°	0°	20-5110-0500	20-5210-0500	
U 2 .020" × .028"	8°	9°	0°	20-5120-0500	20-5220-0500	
U 3/Hk .022" x .028"	0°	11°	0°	20-213D-0500	20-223D-0500	
U 4/5 .022" x .028"	-10°	4°	2°d	20-2140-0500	20-2240-0500	
U 4/5/Hk .022" × .028"	-10°	4°	2°d	20-214M-0500	20-224M-0500	

Mandibular

L 1/2 .020" × .028"	-1°	2°	0°	20-5410-0500	20-5310-0500
L 3/Hk .022" x .028"	-3°	3°	0°	20-243D-0500	20-233D-0500
L 4 .022" × .028"	-17°	1°	4°d	20-2440-0500	20-2340-0500
L 4/Hk .022" × .028"	-17°	1°	4°d	20-244D-0500	20-234D-0500
L 5 .022" x .028"	-22°	1°	4°d	20-2450-0500	20-2350-0500
L 5/Hk .022" × .028"	-22°	1°	4°d	20-245D-0500	20-235D-0500

EXPERIENCE mini metal Kits



Prescription	Lower arch	Hook on	Hook	P/N .022"
G.E.T.	5-5	5-5	3	20-5CC3-0500
G.E.T.	5-5	5-5	3,4,5	20-5CC5-0500





EXPERIENCE ceramic



Maxillary

Tooth	Torque	Angulation	Rotation	P/N		
	Torque	Angulation	Notation	R	L	
U 1 .020" x .028"	12°	5°	0°	11-5110-0010	11-5210-0010	
U 2 .020" × .028"	8°	9°	0°	11-5120-0010	11-5220-0010	
U 3/Hk .022" x .028"	0°	11°	0°	11-213D-0010	11-223D-0010	
U 4/5 .022" x .028"	-10°	4°	2°d	11-2140-0030	11-2240-0030	
U 4/5/Hk .022" × .028"	-10°	4°	2°d	11-214M-0030	11-224M-0030	

Mandibular

L 1/2 .020" × .028"	-1°	2°	0°	11-5410-0010	11-5310-0010
L 3/Hk .022" x .028"	-3°	3°	0°	11-243D-0021	11-233D-0021
L 4 .022" × .028"	-17°	1°	4°d	11-2440-Z010	11-2340-Z010
L 4/Hk .022" × .028"	-17°	1°	4°d	11-244D-Z010	11-234D-Z010
L 5 .022" x .028"	-22°	1°	4°d	11-2450-Z010	11-2350-Z010
L 5/Hk .022" × .028"	-22°	1°	4°d	11-245D-Z010	11-235D-Z010

EXPERIENCE ceramic Kits



Prescription	Lower arch	Hook on	Hook	P/N .022"
G.E.T.	5-5	5-5	3	11-5CC3-0500
G.E.T.	5-5	5-5	3,4,5	11-5CC5-0500

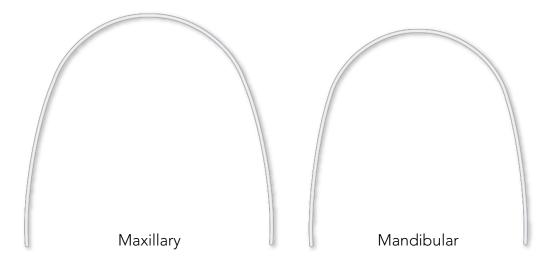


GET Prescription: Archwires

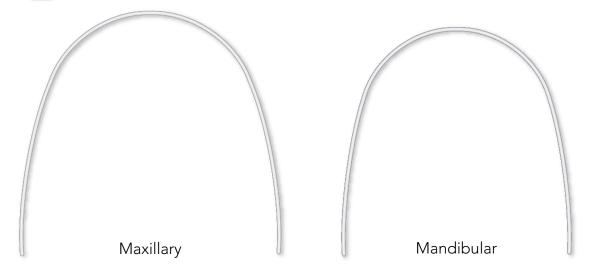
Different Archforms

Four archforms are available in our wires range. Forms A and B come from Dr. Roth's chart (USA), whereas forms C and D are more ogival. Form D is universal. it is specially adapted to self-ligating systems and allows the archwire to fully express its shape.

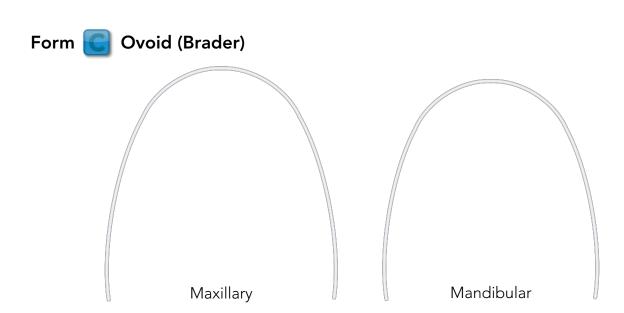




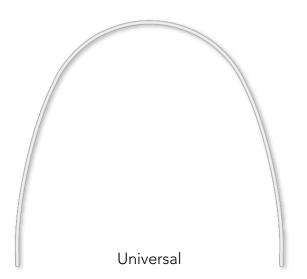
Form Large size









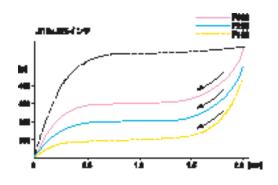


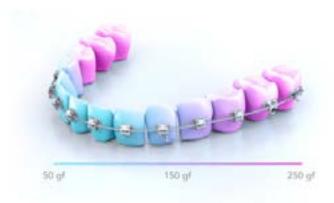
BioActive Light

The Lightest Shape Memory NiTi Archwire

BIO-ACTIVE™ Light lets you begin treatment with large diameter (.020" x .020" and, .018" x .018") archwires and activate third-order bends.

The biomechanical properties (force, superelasticity and shape memory) are equivalent to small diameter archwires such as InitialloyTM .014" (50 gf) on inscisors, InitialloyTM .018" (150 gf) on lateral section and InitialloyTM .020" (250 gf) on molars.





9 weeks effect with BioActive light .020" x .020"

- Align & torque effects (8 weeks)

Sébastien L. * 13/10/2016







Sébastien L. * 21/12/2016







*Photos by Dr. Stéfano Troiani (DDS, MSc), Luzern (Switzerland)



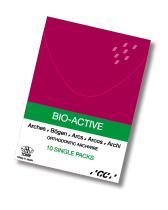


	Form A		Form	C	Form D
Dimension	Maxillary	Mandibular	Maxillary	Mandibular	Universal
.018" × .018"	70-A1U0-1818	70-A1L0-1818	70-C1U0-1818	70-C1L0-1818	70-D100-1818
.020" × .020"	70-A1U0-2020	70-A1L0-2020	70-C1U0-2020	70-C1L0-2020	70-D100-2020



	Form	A Form		C	Form D
Dimension	Maxillary	Mandibular	Maxillary	Mandibular	Universal
.018" × .018"	74-A1U0-1818	74-A1L0-1818	74-C1U0-1818	74-C1L0-1818	74-D100-1818
.020" × .020"	74-A1U0-2020	74-A1L0-2020	74-C1U0-2020	74-C1L0-2020	74-D100-2020

BioActive





BIO-ACTIVE is a shape memory archwire exerting progressive forces from the midline to the posterior region. Optimal force is adapted to the anatomy of the specific tooth to be moved. Force ranges include:

- Arches .016" x .016" and .016" x .022" from 80 g on incisors up to 240 g on molars
- Arches .018" x .018" to .021" x .028" from 100 g on incisors up to 300 g on molars

BIO-ACTIVE

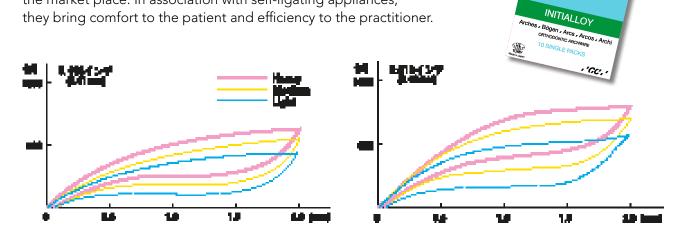
	Form	A	Form	В	Form	C
Dimension	Maxillary	Mandibular	Maxillary	Mandibular	Maxillary	Mandibular
.018" × .018"	70-A0U0-1818	70-A0L0-1818	70-B0U0-1818	70-B0L0-1818	70-C0U0-1818	70-C0L0-1818
.018" x .018" "Dimple"	70-A0UD-1818	70-A0LD-1818	70-B0UD-1818	70-B0LD-1818	70-C0UD-1818	70-C0LD-1818
.020" × .020"	70-A0U0-2020	70-A0L0-2020	70-B0U0-2020	70-B0L0-2020	70-C0U0-2020	70-C0L0-2020
.020" x .020" "Dimple"	70-A0UD-2020	70-A0LD-2020	70-B0UD-2020	70-B0LD-2020	70-C0UD-2020	70-C0LD-2020

Aesthetic **BIO-ACTIVE** Rhodium

	Form	A	Form	В	Form	C
Dimension	Maxillary	Mandibular	Maxillary	Mandibular	Maxillary	Mandibular
.016" × .022"	74-A0U0-1622	74-A0L0-1622	74-B0U0-1622	74-B0L0-1622	74-C0U0-1622	74-C0L0-1622
.018" × .018"	74-A0U0-1818	74-A0L0-1818	74-B0U0-1818	74-B0L0-1818	74-C0U0-1818	74-C0L0-1818
.019" × .025"	74-A0U0-1925	74-A0L0-1925	74-B0U0-1925	74-B0L0-1925	74-C0U0-1925	74-C0L0-1925
.020" × .020"	74-A0U0-2020	74-A0L0-2020	74-B0U0-2020	74-B0L0-2020	74-C0U0-2020	74-C0L0-2020



INITIALLOY Round (Japanese NiTi)INITIALLOY superelastic archwires exert the lightest forces on the market place. In association with self-ligating appliances, they bring comfort to the patient and efficiency to the practitioner.



Three Point Bend Chart

INITIALLOY

		Form	C
Force	Dimension	Maxillary	Mandibular
Light	.014"	71-C1U0-0014	71-C1L0-0014
	.016"	71-C1U0-0016	71-C1L0-0016
	.018"	71-C1U0-0018	71-C1L0-0018
Medium	.014"	71-C2U0-0014	71-C2L0-0014
	.014" "Dimple"	71-C2UD-0014	71-C2LD-0014
	.016"	71-C2U0-0016	71-C2L0-0016
	.016" "Dimple"	71-C2UD-0016	71-C2LD-0016
	.018"	71-C2U0-0018	71-C2L0-0018
	.018" "Dimple"	71-C2UD-0018	71-C2LD-0018
Heavy	.016"	71-C3U0-0016	71-C3L0-0016

Aesthetic $\c INITIALLOY$ Rhodium

	Form	C
Dimension	Maxillary	Mandibular
.014"	76-C2U0-0014	76-C2L0-0014
.016"	76-C2U0-0016	76-C2L0-0016
.018"	76-C2U0-0018	76-C2L0-0018



Bio-Edge™

Shape memory wire - Japanese NITI

BIO-EDGE is a shape memory archwire. You can choose between several force levels for the same dimension. According to the treatment's evolution, this possibility of choice increases efficiency in your daily practice. In order to use shape memory at its best, cool the archwire before its insertion.

200 g	Form (A)		Form B		Form C	
Dimension	Maxillary	Mandibular	Maxillary	Mandibular	Maxillary	Mandibular
.017" × .025"	72-A2U0-1725	72-A2L0-1725	_	_	72-C2U0-1725	72-C2L0-1725
.017" x .025" "Dimple"	72-A2UD-1725	72-A2LD-1725	72-B2UD-1725	72-B2LD-1725	72-C2UD-1725	72-C2LD-1725
.018" x .025"	72-A2U0-1825	72-A2L0-1825	72-B2U0-1825	72-B2L0-1825	72-C2U0-1825	72-C2L0-1825



Beta-Titanium

	Form A		Form	В	Form C	
Dimension	Maxillary	Mandibular	Maxillary	Mandibular	Maxillary	Mandibular
.017" x .025"	73-A0U0-1725	73-A0L0-1725	73-B0U0-1725	73-B0L0-1725	73-C0U0-1725	73-C0L0-1725
.019" x .025"	73-A0U0-1925	73-A0L0-1925	73-B0U0-1925	73-B0L0-1925	73-C0U0-1925	73-C0L0-1925



Stainless Steel

Regular	Form A		Form B		Form C	
Dimension	Maxillary	Mandibular	Maxillary	Mandibular	Maxillary	Mandibular
.017" x .025"	78-A2U0-1725	78-A2L0-1725	78-B2U0-1725	78-B2L0-1725	78-C2U0-1725	78-C2L0-1725
.019" x .025"	78-A2U0-1925	78-A2L0-1925	78-B2U0-1925	78-B2L0-1925	78-C2U0-1925	78-C2L0-1925



Multiflex, Stainless Steel

Multiflex is an 8-stranded twisted wire, 10 archwires per box.

	Form	A
Dimension	Maxillary	Mandibular
.016" x .022"	78-AMU0-1622	78-AML0-1622
.017" x .025"	78-AMU0-1725	78-AML0-1725
.018" x .025"	78-AMU0-1825	78-AML0-1825
.019" x .025"	78-AMU0-1925	78-AML0-1925
.021" x .025"	78-AMU0-2125	78-AML0-2125

GET Prescription: Tubes

For bands (welding items)





Maxillary Triple Tubes 1st Molar

Dimensions	Torque	Rotation Slot	Rotation HG	R/L	P/N
00011 00011	-20°	10°D	0°	R	41-2160-0500
.022" x .028"	-20	10 D		L	41-2260-0500
022" 020"	" x .028" -20° 0°	00	00	R	41-2160-0501
.022" x .028"		0-	0°	L	41-2260-0501



Maxillary Single Tubes 2^{nd} Molar

Dimensions	Torque	Rotation Slot	Rotation HG	R/L	P/N
022# 020#	-25°	6°D	0°	R	41-2170-0510
.022" x .028"				L	41-2270-0510
.022" x .028"	-20°	0°	0°	R	41-2170-0511
				L	41-2270-0511





Mandibular Single Tube 1st Molar-Convertible

Dimensions	Torque	Angulation Tube	Rotation Slot	Rotation Aux.	R/L	P/N
022" 020"	200 40 405	00	R	41-2460-0062		
.022" x .028"	-30°	-1°	4°D	0°	L	41-2360-0062



Mandibular Double Tube 1st Molar

Dimensions	Torque	Angulation Tube	Rotation Slot	Rotation Aux.	R/L	P/N
200 40 405	4°D	00	R	41-2460-0060		
.022" x .028"	<.028" -30° -1° 4°D		0°	L	41-2360-0060	



Mandibular Single Tube 2^{nd} Molar

Dimensions	Torque	Angulation Tube	Rotation Slot	Rotation Aux.	R/L	P/N
022" 020"	200 40 405 00	00	R	41-2470-0064		
.022" x .028" -3	-30°	-1°	4°D	0°	L	41-2370-0064

GET Prescription: Tubes

Bonding tubes



Maxillary Single LP Tubes 1st Molar

Dimensions	Torque	Rotation	Length mm	R/L	P/N
022" v 020"	-20°	10°D	4.0	R	40-2160-0510
.022" x .028"	-20	10 D		L	40-2260-0510
022" v 020"	30°	0°	4.0	R	40-2160-0511
.022" x .028"	-20°		4.0	L	40-2260-0511



Maxillary Single LP Tubes 2nd Molar

Dimensions	Torque	Rotation	Length mm	R/L	P/N
.022" x .028"	-25°	6°D 4	4.0	R	40-2170-0510
.022 X .026	-23	6 D		L	40-2270-0510
022" v 020"	-25°	0°	4.0	R	40-2170-0511
.022" x .028"	-23		4.0	L	40-2270-0511





Mandibular Single Tubes 1st Molar - Convertible

Dimensions	Torque	Angulation	Rotation	Length mm	R/L	P/N
022" 020"	200	00	490	4.0	R	40-2460-0062
.022" × .028"	-30°	0°	4°D	4.0	L	40-2360-0062



Mandibular Bouble Tubes 1st Molar

Dimensions	Torque	Angulation	Rotation	Length mm	R/L	P/N
02211 02011	20%	10	400	4.0	R	40-2460-0060
.022" x .028"	-30°	-1-	4°D	4.0	L	40-23670-0060



Mandibular Single Tubes 2^{nd} Molar

Dimensions	Torque	Angulation	Rotation	Length mm	R/L	P/N
000# 000#	20%	40	490	4.0	R	40-2470-0064
.022" x .028"	-30°	-4°	4°D	4.0	L	40-2370-0064

GET Prescription: Tubes

Maxillary Self-Ligating Buccal Tubes



Self-Ligating Single Tube

Dimensions.	Torque Rotation		D/I	P/N	
Dimensions	nsions Torque Rotation	Rotation	R/L	Bondable	Bondable SB
2001	100	1.400	R	20-2160-0010	20-2160-S010
.022" x .028"	-10°	14°D	L	20-2260-0010	20-2260-S010

Self-Ligating Single Tube

Dimensions	Torque Rotation		R/L	P/N	
	rorque	ROLATION	IV L	Bondable	Bondable SB
.022" × .028"	1.40	1000	R	20-2160-0020	20-2160-S020
	-14°	10°D	L	20-2260-0020	20-2260-S020

Mandibular Self-Ligating Buccal Tubes

Self-Ligating Single Tube

Dimensions	Torque	Rotation	R/L	P/N	
				Bondable	Bondable SB
.022" x .028"	-25°	4°D	R	20-2460-0010	20-2460-S010
			L	20-2360-0010	20-2360-S010

Self-Ligating Single Tube

Dimensions	Torque	Rotation	R/L	P/N	
				Bondable	Bondable SB
.022" × .028"	-20°	O°	R	20-2460-0020	20-2460-S020
			L	20-2360-0020	20-2360-S020







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