

5 WIRE



WIRE

Aesthetic Archwires

- Reflex® Nickel Titanium
- Shiny Bright Stainless Steel
- Braided 8-Strand Reflex®
- TiMolium® Titanium

Archwires

- Braided 8-Strand Reflex
- TiMolium Titanium
- Reflex Nickel Titanium
 - Original (on spools and preformed)
 - Original with Center Bend
 - Heat-Activated
 - Heat-Activated with Center Bend
- Vela™ Arch Forms
- Bow-Flex® Stainless Steel
- TP Original Stainless Steel
- Shiny Bright Stainless Steel
- Rounded Rectangular Stainless Steel
- Gold Tone Stainless Steel
- Twisted 3-Strand
- Co-Ax®
- Arch Length Ruler
- Pre-Cut Co-Ax®
- Woven 8-Strand
- Tip-Edge® Looped
- Tip-Edge®
- Pretorqued
- Dispensers

Ligature Wires

- Preformed Ties
- Angular Twisted Ties
- Kobayashi Ties
- Spools

Aesthetic Wire

Convenience-Pak® Autoclavable Envelopes

Aesthetic wire from TP Orthodontics is perfect for use with ceramic brackets. These preformed archwires feature a very thin white-color coating applied to the labial surface only. Each wire remains uncoated where it comes into contact with the archwire slot so that it glides smoothly with no increase in friction.

Other brands of “invisible” archwire are coated on all sides. This adds friction and actually increases the size of the archwire. For example, a wire that is listed as 0.43 x 0.56mm (.017" x .022") wire could actually measure 0.48 x 0.64mm (.019" x .025") when the coating is factored in.

TP Orthodontics' aesthetic wire is available in a variety of shapes and wire types.

Aesthetic wire is packaged in exclusive Convenience-Pak packaging, which consists of a box of ten archwires, each of which is individually enclosed in a convenient, see-through, autoclavable envelope.

Reflex® Nickel Titanium Aesthetic Wire



Wire Size	Straight Arch Form	
	Upper	Lower
0.30mm (.012")	381-183W	381-182W
0.36mm (.014")	381-159W	381-158W
0.41mm (.016")	381-165W	381-164W
0.46mm (.018")	381-167W	381-166W
0.51mm (.020")	381-169W	381-168W
0.41 x 0.41mm (.016" x .016")	381-179W	381-178W
0.41 x 0.56mm (.016" x .022")	381-171W	381-170W
0.43 x 0.64mm (.017" x .025")	381-173W	381-172W
0.46 x 0.64mm (.018" x .025")	381-187W	381-186W
0.48 x 0.64mm (.019" x .025")	381-175W	381-174W
0.55 x 0.64mm (.0215" x .025")	381-177W	381-176W

Package of 10



Aesthetic wire shown in use with InVu® ceramic brackets.

Shiny Bright Stainless Steel Aesthetic Wire



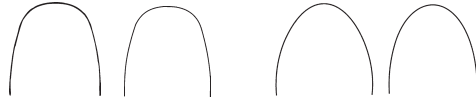
Wire Size	Straight Arch Form	
	Upper	Lower
0.41mm (.016")	381-063W	381-064W
0.46mm (.018")	381-065W	381-066W
0.51mm (.020")	381-067W	381-068W
0.41 x 0.41mm (.016" x .016")	381-081W	381-080W
0.41 x 0.56mm (.016" x .022")	381-083W	381-082W
0.43 x 0.64mm (.017" x .025")	381-085W	381-084W
0.46 x 0.64mm (.018" x .025")	381-087W	381-086W
0.48 x 0.64mm (.019" x .025")	381-089W	381-088W
0.55 x 0.64mm (.0215" x .025")	381-193W	381-194W
0.55 x 0.71mm (.0215" x .028")	381-191W	381-192W

Package of 10

Aesthetic Wire

Convenience-Pak® Autoclavable Envelopes

Braided 8-Strand Reflex® Nickel Titanium Aesthetic Wire*



Wire Size	Broad Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.43 x 0.64mm (.017" x .025")	381-310W	381-311W	381-322W	381-323W
0.53 x 0.64mm (.021" x .025")	381-316W	381-317W	381-326W	381-327W

Package of 10

*Unit pieces can be ordered by adding a "U" in front of the order number.

TiMolium® Titanium Aesthetic Wire



Wire Size	Straight Arch Form	
	Upper Small	Lower Small
0.41 x 0.41mm (.016" x .016")	386-499W	386-502W
0.41 x 0.56mm (.016" x .022")	386-520W	386-534W
0.44 x 0.44mm (.0175" x .0175")	386-518W	386-532W

Package of 10

Braided 8-Strand Reflex[®] Nickel Titanium Wire Convenience-Pak[®] Autoclavable Envelopes

Braided 8-Strand Reflex[®] Nickel Titanium Wire^{*}



Wire Size	Broad Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.43 x 0.64mm (.017" x .025")	381-310	381-311	381-322	381-323
0.53 x 0.64mm (.021" x .025")	381-316	381-317	381-326	381-327

Package of 10

^{*}Unit pieces can be ordered by adding a "U" in front of the order number.

TiMolium[®] Titanium Wire Convenience-Pak[®] Autoclavable Envelopes

TiMolium titanium wire combines the flexibility, continuous force and springback of nickel titanium with the high stiffness and bendability of stainless steel wire. Consistently outperforms nickel titanium and beta titanium wire in breakage resistance, smoothness, polish and flexibility. Can be welded.

TiMolium titanium wire is packaged in exclusive Convenience-Pak packaging, which consists of a box of ten archwires, each of which is individually enclosed in a convenient, see-through, autoclavable envelope.



Wire Size	Standard Arch Form		Straight Arch Form			
	Upper	Lower	Upper Small	Upper Large	Lower Small	Lower Large
0.41 x 0.41mm (.016" x .016")	386-497	386-498	386-499	386-501	386-502	386-503
0.41 x 0.56mm (.016" x .022")	386-506	386-507	386-520	386-521	386-534	386-535
0.43 x 0.64mm (.017" x .025")	386-508	386-509	386-522	386-523	386-536	386-537
0.44 x 0.44mm (.0175" x .0175")	386-504	386-505	386-518	386-519	386-532	386-533
0.48 x 0.64mm (.019" x .025")	386-510	386-511	386-524	386-525	386-538	386-539
0.53 x 0.64mm (.021" x .025")	386-512	386-513	386-526	386-527	386-540	386-541

Package of 10

Original Reflex® Nickel Titanium Wire



Reflex nickel titanium wire combines superelasticity with high shape recovery to produce gentle, constant pressure for comfortable and efficient forces.

Resists permanent distortion, allowing immediate engagement in severely malaligned anteriors without fracturing. Smoothly polished, friction-reducing finish allows brackets to slide easily.

Reflex wire is available in a variety of round and rectangular wire sizes. Midlines are clearly marked for quick reference. Triple etch marks indicate upper arches, single etch marks indicate lowers. Curved Memory arches feature black ink markings on the uppers and red on the lowers.

4.5 m (15 ft.) Coil

Wire Size	Order No.
0.36mm (.014")	382-114
0.41mm (.016")	382-116
Package of 1	

Wire Size	Standard Arch Form		Straight Arch Form		Straight Arch II Form		Broad Arch	
	Upper	Lower	Upper	Lower	Upper	Lower	Upper	Lower
0.30mm (.012")	381-259	381-258	381-183	381-182	383-531	383-530	381-211	381-212
0.36mm (.014")	381-261	381-260	381-159	381-158	383-533	383-532	381-213	381-214
0.41mm (.016")	381-263	381-262	381-165	381-164	383-535	383-534		
0.46mm (.018")	381-265	381-264	381-167	381-166	383-537	383-536		
0.51mm (.020")	381-267	381-266	381-169	381-168	383-539	383-538		
0.41 x 0.41mm (.016" x .016")	381-269	381-268	381-179	381-178	383-541	383-540		
0.41 x 0.56mm (.016" x .022")	381-271	381-270	381-171	381-170	383-543	383-542	381-223	381-224
0.43 x 0.64mm (.017" x .025")	381-273	381-272	381-173	381-172	383-545	383-544		
0.46 x 0.46mm (.018" x .018")	381-277	381-276	381-181	381-180	383-547	383-546		
0.46 x 0.64mm (.018" x .025")	381-279	381-278	381-187	381-186	383-549	383-548	381-229	381-230
0.48 x 0.64mm (.019" x .025")	381-275	381-274	381-175	381-174	383-551	383-550		
0.51 x 0.51mm (.020" x .020")	381-281	381-280	381-188	381-189	383-553	383-552		
0.55 x 0.64mm (.0215" x .025")	381-283	381-282	381-177	381-176	383-555	383-554	381-235	381-236

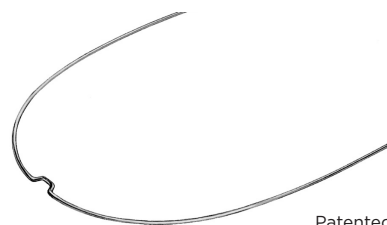
Wire Size	Curved Memory		Bio-Arch I	Bio-Arch II	Bio-Arch III	Bio-Arch V
	Upper	Lower				
0.30mm (.012")	381-550	381-551	387-130	387-143	387-156	387-182
0.36mm (.014")	381-552	381-553	387-131	387-144	387-157	387-183
0.41mm (.016")	381-500	381-501	387-132	387-145	387-158	387-184
0.46mm (.018")	381-502	381-503	387-133	387-146	387-159	387-185
0.51mm (.020")	381-554	381-555	387-134	387-147	387-160	387-186
0.41 x 0.41mm (.016" x .016")	381-556	381-557	387-135	387-148	387-161	387-187
0.41 x 0.56mm (.016" x .022")	381-504	381-505	387-136	387-149	387-162	387-188
0.43 x 0.64mm (.017" x .025")	381-506	381-507	387-137	387-150	387-163	387-189
0.46 x 0.46mm (.018" x .018")	381-558	381-559	387-138	387-151	387-164	387-190
0.46 x 0.64mm (.018" x .025")	381-560	381-561	387-139	387-152	387-165	387-191
0.48 x 0.64mm (.019" x .025")	381-508	381-509	387-140	387-153	387-166	387-192
0.51 x 0.51mm (.020" x .020")	381-562	381-563	387-141	387-154	387-167	387-193
0.55 x 0.64mm (.0215" x .025")	381-564	381-565	387-142	387-155	387-168	387-194

Package of 10

Original Reflex[®] Nickel Titanium Wire With Center Bend

All the features and benefits of original Reflex wire are incorporated into the Reflex center bend wires. A small bend in the midline prevents sliding to the right or left. Bend is horizontal to minimize visibility.

Upper wires feature a wider bend of 4.5mm (.178"), while lower wires have a narrower 3.2mm (.124") bend.



Patented

Wire Size	Standard Arch Form		Straight Arch Form		Straight Arch II Form	
	Upper	Lower	Upper	Lower	Upper	Lower
0.30mm (.012")	381-405	381-404	381-387	381-386	383-501	383-500
0.36mm (.014")	381-407	381-406	381-389	381-388	383-503	383-502
0.41mm (.016")	381-375	381-374	381-367	381-366	383-505	383-504
0.46mm (.018")	381-377	381-376	381-369	381-368	383-507	383-506
0.51mm (.020")	381-409	381-408	381-391	381-390	383-509	383-508
0.41 x 0.41mm (.016" x .016")	381-411	381-410	381-393	381-392	383-511	383-510
0.41 x 0.56mm (.016" x .022")	381-379	381-378	381-371	381-370	383-513	383-512
0.43 x 0.64mm (.017" x .025")	381-381	381-380	381-373	381-372	383-515	383-514
0.46 x 0.64mm (.018" x .025")	381-413	381-412	381-395	381-394	383-517	383-516
0.48 x 0.64mm (.019" x .025")	381-415	381-414	381-401	381-400	383-519	383-518
0.55 x 0.64mm (.0215" x .025")	381-417	381-416	381-403	381-402	383-521	383-520

Wire Size	Curved Memory		Bio-Arch [®] I	Bio-Arch II	Bio-Arch III	Bio-Arch V
	Upper	Lower				
0.30mm (.012")	381-520	381-521	387-070	387-081	387-092	387-114
0.36mm (.014")	381-522	381-523	387-071	387-082	387-093	387-115
0.41mm (.016")	381-524	381-525	387-072	387-083	387-094	387-116
0.46mm (.018")	381-526	381-527	387-073	387-084	387-095	387-117
0.51mm (.020")	381-528	381-529		387-085	387-096	387-118
0.41 x 0.41mm (.016" x .016")	381-530	381-531	387-075	387-086	387-097	387-119
0.41 x 0.56mm (.016" x .022")	381-532	381-533	387-076	387-087	387-098	387-120
0.43 x 0.64mm (.017" x .025")	381-534	381-535	387-077	387-088	387-099	387-121
0.46 x 0.64mm (.018" x .025")	381-536	381-537	387-078	387-089	387-100	387-122
0.48 x 0.64mm (.019" x .025")	381-538	381-539	387-079	387-090	387-101	387-123
0.55 x 0.64mm (.0215" x .025")	381-540	381-541	387-080	387-091	387-102	387-124

Package of 10

Reflex[®] Heat-Activated Nickel Titanium Wire

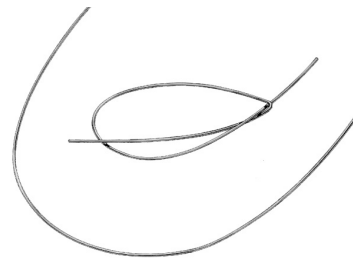
Heat-activated nickel titanium archwires provide optimal tooth moving forces with more consistency. The thermal reactive properties supply light, continuous force that is neither too great nor variable over time.

Wires are easily deformed at room temperature and super-elastic at body temperature. As the archwire is engaged in the mouth, body temperature activates the wire to return to its preformed arch shape. Heat-activated archwires accept more severe deformation and gently move teeth over greater distances.

Transition temperatures:

- Round wire = 78.8°F (26°C) to 89.6°F (32°C)
- Rectangular wire = 84.2°F (29°C) to 95°F (35°C)

Midlines are clearly marked for quick reference. Triple etch marks indicate upper arches, single etch marks indicate lowers. Curved memory arches feature black ink markings on the uppers and red on the lowers.



Wire Size	Standard Arch Form		Straight Arch Form		Straight Arch II Form	
	Upper	Lower	Upper	Lower	Upper	Lower
0.30mm (.012")	381-789	381-788	381-799	381-798	383-631	383-630
0.36mm (.014")	381-821	381-820	381-801	381-800	383-633	383-632
0.41mm (.016")	381-823	381-822	381-803	381-802	383-635	383-634
0.46mm (.018")	381-825	381-824	381-805	381-804	383-637	383-636
0.51mm (.020")	381-791	381-790	381-813	381-812	383-639	383-638
0.41 x 0.41mm (.016" x .016")	381-793	381-792	381-815	381-814	383-641	383-640
0.41 x 0.56mm (.016" x .022")	381-827	381-826	381-807	381-806	383-643	383-642
0.43 x 0.64mm (.017" x .025")	381-829	381-828	381-809	381-808	383-645	383-644
0.46 x 0.64mm (.018" x .025")	381-831	381-830	381-811	381-810	383-647	383-646
0.48 x 0.64mm (.019" x .025")	381-795	381-794	381-817	381-816	383-649	383-648
0.53 x 0.64mm (.021" x .025")	381-797	381-796	381-819	381-818	383-651	383-650

Wire Size	Curved Memory		Bio-Arch I	Bio-Arch II	Bio-Arch III	Bio-Arch IV	Bio-Arch V
	Upper	Lower					
0.30mm (.012")	381-600	381-601	387-260	387-271	387-282	387-293	387-304
0.36mm (.014")	381-602	381-603	387-261	387-272	387-283	387-294	387-305
0.41mm (.016")	381-604	381-605	387-262	387-273	387-284	387-295	387-306
0.46mm (.018")	381-606	381-607	387-263	387-274	387-285	387-296	387-307
0.51mm (.020")	381-608	381-609	387-264	387-275	387-286	387-297	387-308
0.41 x 0.41mm (.016" x .016")	381-610	381-611	387-265	387-276	387-287	387-298	387-309
0.41 x 0.56mm (.016" x .022")	381-612	381-613	387-266	387-277	387-288	387-299	387-310
0.43 x 0.64mm (.017" x .025")	381-614	381-615	387-267	387-278	387-289	387-300	387-311
0.46 x 0.64mm (.018" x .025")	381-616	381-617	387-268	387-279	387-290	387-301	387-312
0.48 x 0.64mm (.019" x .025")	381-618	381-619	387-269	387-280	387-291	387-302	387-313
0.53 x 0.64mm (.021" x .025")	381-620	381-621	387-270	387-281	387-292	387-303	387-314

Package of 10

Reflex® Heat-Activated Nickel Titanium Wire With Center Bend

A small bend in the midline prevents sliding to the right or left.
Bend is horizontal to minimize visibility.

Upper wires feature a wider bend of 4.5mm (.178"), while lower wires have a narrower 3.2mm (.124") bend.



Wire Size	Straight Arch Form		Straight Arch II Form	
	Upper	Lower	Upper	Lower
0.30mm (.012")	381-863	381-862	383-601	383-600
0.36mm (.014")	381-865	381-864	383-603	383-602
0.41mm (.016")	381-833	381-832	383-605	383-604
0.46mm (.018")	381-835	381-834	383-607	383-606
0.51mm (.020")	381-867	381-866	383-609	383-608
0.41 x 0.41mm (.016" x .016")	381-869	381-868	383-611	383-610
0.41 x 0.56mm (.016" x .022")	381-837	381-836	383-613	383-612
0.43 x 0.64mm (.017" x .025")	381-839	381-838	383-615	383-614
0.46 x 0.64mm (.018" x .025")	381-871	381-870	383-617	383-616
0.48 x 0.64mm (.019" x .025")	381-873	381-872	383-619	383-618
0.53 x 0.64mm (.021" x .025")	381-875	381-874	383-621	383-620



Wire Size	Curved Memory		Bio-Arch I	Bio-Arch II	Bio-Arch III	Bio-Arch IV	Bio-Arch V
	Upper	Lower					
0.30mm (.012")	381-570	381-571	387-200	387-211	387-222	387-233	387-244
0.36mm (.014")	381-572	381-573	387-201	387-212	387-223	387-234	387-245
0.41mm (.016")	381-574	381-575	387-202	387-213	387-224	387-235	387-246
0.46mm (.018")	381-576	381-577	387-203	387-214	387-225	387-236	387-247
0.51mm (.020")	381-578	381-579	387-204	387-215	387-226	387-237	387-248
0.41 x 0.41mm (.016" x .016")	381-580	381-581	387-205	387-216	387-227	387-238	387-249
0.41 x 0.56mm (.016" x .022")	381-582	381-583	387-206	387-217	387-228	387-239	387-250
0.43 x 0.64mm (.017" x .025")	381-584	381-585	387-207	387-218	387-229	387-240	387-251
0.46 x 0.64mm (.018" x .025")	381-586	381-587	387-208	387-219	387-230	387-241	387-252
0.48 x 0.64mm (.019" x .025")	381-588	381-589	387-209	387-220	387-231	387-242	387-253
0.53 x 0.64mm (.021" x .025")	381-590	381-591	387-210	387-221	387-232	387-243	387-254

Package of 10

Vela™ Archwire System

Developed by Dr. Arturo Vela, the Vela arch form is for clinicians who prefer a broader arch.

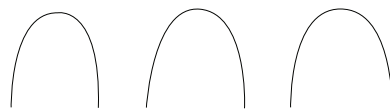
The universal shape is interchangeable and Size 2 can be used for the upper or lower arch form, enabling the clinician to treat a wider range of cases while simplifying inventory.

Vela arch forms are compatible with all bracket systems, including Tip-Edge PLUS®.

The Vela arch forms are packaged in TPO's exclusive Convenience-Pak. Ten archwires are individually packaged in convenient, see-through, autoclavable envelopes.

The system is available in Reflex Heat-Activated Nickel Titanium, Shiny Bright Stainless Steel and TiMolium Titanium.

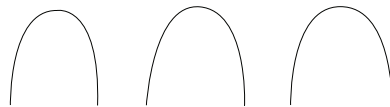
Reflex Heat-Activated Nickel Titanium



Wire Size	Vela Arch Forms		
	Vela 1	Vela 2	Vela 3
.014"	381-652	381-653	381-654
.016"	381-655	381-656	381-657
.018"	381-658	381-659	381-660
.014" x .025"	381-661	381-662	381-663
.016" x .025"	381-664	381-665	381-666
.0215" x .025"	381-667	381-668	381-669

Package of 10

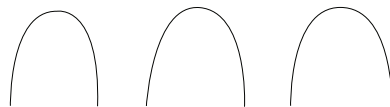
Shiny Bright



Wire Size	Vela Arch Forms		
	Vela 1	Vela 2	Vela 3
.016" x .022"	381-622	381-623	381-624
.019" x .025"	381-625	381-626	381-627
.0215" x .028"	381-628	381-629	381-630

Package of 10

TiMolium Titanium



Wire Size	Vela Arch Forms		
	Vela 1	Vela 2	Vela 3
.019" x .025"	386-550	386-551	386-552
.0215" x .027"	386-553	386-554	386-555

Package of 10

Bow-Flex® Wire

High tensile, high stiffness Bow-Flex stainless steel wire is specially suited for rapid bite opening, plus the unraveling and rotations of anterior teeth. Smooth surface reduces friction.

Bow-Flex is a medium copper color that can be electropolished to an aesthetically bright, stainless color. The wire should be formed slowly while being held under mild pressure between the beaks of a light wire plier. Centerlines are marked white on upper arches and red on lower arches. Bow-Flex is also available in coils and 12" lengths.

30.5 cm (12 in.) Lengths

Wire Size	Order No.
0.36mm (.014")	230-560
0.41mm (.016")	230-570
0.46mm (.018")	230-580
0.51mm (.020")	230-590

Package of 30

7.5 m (25 ft.) Coil

Wire Size	Order No.
0.36mm (.014")	230-510
0.41mm (.016")	230-520
0.46mm (.018")	230-530
0.51mm (.020")	230-540

Package of 1

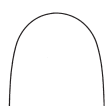



Wire Size	Standard Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.36mm (.014")	230-402	230-403	230-412	230-413
0.41mm (.016")	230-404	230-405	230-414	230-415
0.46mm (.018")	230-406	230-407	230-416	230-417
0.51mm (.020")	230-408	230-409	230-418	230-419

Package of 10

TP Original Wire

Extreme resiliency and hardness of the premier plus grade provide continuous, gentle forces without deformation or fracture when in use. Excellent for leveling in early stages of treatment and for overbite correction. Centerlines are marked (upper white, lower red) on each wire for quick reference. Wires are of adequate length to allow for retraction loops. Also available in 25.4 cm (10"), 30.5 cm (12") lengths or on 7.5 m (25 ft.) coils. See next page.

Wire Size	Standard Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.36mm (.014")	336-131	336-130	336-121	336-120
0.41mm (.016")	336-331	336-330	336-321	336-320
0.46mm (.018")	336-431	336-430	336-421	336-420
0.51mm (.020")	336-531	336-530	336-521	336-520
0.56mm (.022")	336-031	336-030	336-021	336-020

Package of 10

TP Original Wire

Standard Grade (White Label)

Easiest to bend. Used for practice bending or forming auxiliaries. Can be used for archwires when distortion and bite-opening are not a problem.

Standard Plus Grade (Green Label)

Relatively easy to form, yet stiffer than Standard grade. Used for auxiliaries and archwires when more pressure and resistance to deformation are desired.

Premier Grade (Black Label)

Higher tensile strength, yet can be formed into intricate shapes with little danger of breakage. The 0.41mm (.016") is often used for starting arches in many techniques.

Premier Plus Grade (Orange Label)

Premier plus wire is routinely used by experienced operators. Hardness and resiliency of 0.41mm (.016") size are excellent for supporting anchorage and reducing deep overbites.



TP Original Wire Coils

Grade	Color Code	0.30mm (.012")	0.36mm (.014")	0.41mm (.016")	0.46mm (.018")	0.51mm (.020")	0.56mm (.022")
Standard	White	229-000	230-100	231-300	232-400	233-500	
Standard Plus	Green		230-110	231-310	232-410	233-510	
Premier	Black		230-120	231-320	232-420	233-520	
Premier Plus	Orange		230-130	231-330	232-430	233-530	234-630

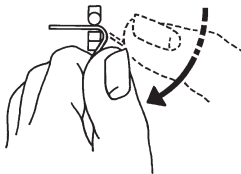
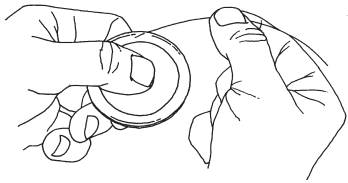
7.5 m (25 ft.) coil

TP Original Wire Lengths

Grade	Color Code	Length	0.36mm (.014")	0.41mm (.016")	0.46mm (.018")	0.51mm (.020")
Standard	White	25.4 cm (10")	230-101	231-301	232-401	233-501
Standard Plus	Green	25.4 cm (10")	230-111	231-311	232-411	233-511
Premier	Black	25.4 cm (10")	230-121	231-321	232-421	233-521
Premier Plus	Orange	25.4 cm (10")	230-131	231-331	232-431	233-531
Premier Plus	Orange	30.5 cm (12")	234-131	235-331	236-431	237-531

Package of 30

How to Bend or Modify Highest Tensile TP Original Wire



Loops and circles should be formed around the square beak.

Notice: Due to extreme hardness of the highest tensile grades of TP Original Wire, special attention must be given to bend it successfully.

1. DO NOT attempt to straighten wire by stripping between pliers beaks.
2. Hold pliers VERY lightly when bending wire. DO NOT SQUEEZE or pull on wire. Pliers must have smooth beaks—carbide tips are suitable, but only if polished.
3. Bend wire VERY slowly pressing with thumb or forefinger. Do not rotate pliers while bending. Loops and circles should be formed around the square beak and beaks should be separated slightly.
4. Never pinch the wire with the pliers—before or during bending.
5. Do not scratch wire to locate bends.

TP Original Wire becomes so hard from bending (work hardening) there is no need for heat-treating and there is no margin to permit “back-bending” to correct mistakes.

Shiny Bright Wire

35.6 cm (14") Lengths

Wire Size	Order No.
0.30mm (.012")	380-238
0.36mm (.014")	380-239
0.41mm (.016")	380-240
0.46mm (.018")	380-241
0.51mm (.020")	380-242
0.41 x 0.41mm (.016" x .016")	380-245
0.41 x 0.56mm (.016" x .022")	380-246
0.43 x 0.64mm (.017" x .025")	380-247
0.46 x 0.56mm (.018" x .022")	380-248
0.46 x 0.64mm (.018" x .025")	380-249
0.48 x 0.48mm (.019" x .019")	380-250
0.48 x 0.64mm (.019" x .025")	380-251
0.51 x 0.56mm (.020" x .022")	380-252
0.53 x 0.64mm (.021" x .025")	380-253
0.56 x 0.71mm (.022" x .028")	380-254

Package of 10

This shiny, bright chrome alloy wire is carefully drawn to exacting tolerances. Wires are heat-treated and stress-relieved to provide excellent spring properties without brittleness.

Preformed archwires feature clearly marked midlines for quick reference. Upper arches feature triple etch marks; lowers have single etch marks.



Wire Size	Standard Arch Form		Straight Arch Form		Straight Arch II Form	
	Upper	Lower	Upper	Lower	Upper	Lower
0.30mm (.012")	381-047	381-046	381-049	381-048	383-561	383-560
0.36mm (.014")	381-051	381-052	381-061	381-062	383-563	383-562
0.41mm (.016")	381-053	381-054	381-063	381-064	383-565	383-564
0.46mm (.018")	381-055	381-056	381-065	381-066	383-567	383-566
0.51mm (.020")	381-057	381-058	381-067	381-068	383-569	383-568
0.41 x 0.41mm (.016" x .016")	381-071	381-070	381-081	381-080	383-571	383-570
0.41 x 0.56mm (.016" x .022")	381-073	381-072	381-083	381-082	383-573	383-572
0.43 x 0.64mm (.017" x .025")	381-075	381-074	381-085	381-084	383-575	383-574
0.46 x 0.56mm (.018" x .022")	381-245	381-246	381-091	381-090	383-583	383-582
0.46 x 0.64mm (.018" x .025")	381-077	381-076	381-087	381-086	383-585	383-584
0.48 x 0.64mm (.019" x .025")	381-079	381-078	381-089	381-088	383-577	383-576
0.55 x 0.64mm (.0215" x .025")	381-253	381-254	381-193	381-194	383-579	383-578
0.55 x 0.71mm (.0215" x .028")	381-197	381-198	381-191	381-192	383-581	383-580

Package of 10



Wire Size	Bio-Arch I	Bio-Arch II	Bio-Arch III	Bio-Arch IV	Bio-Arch V
0.30mm (.012")	387-001	387-012	387-023	387-034	387-045
0.36mm (.014")	387-002	387-013	387-024	387-035	387-046
0.41mm (.016")	387-003	387-014	387-025	387-036	387-047
0.46mm (.018")	387-004	387-015	387-026	387-037	387-048
0.51mm (.020")	387-005	387-016	387-027	387-038	387-049
0.41 x 0.41mm (.016" x .016")	387-006	387-017	387-028	387-039	
0.41 x 0.56mm (.016" x .022")	387-007	387-018	387-029	387-040	387-051
0.43 x 0.64mm (.017" x .025")	387-008	387-019	387-030	387-041	387-052
0.46 x 0.56mm (.018" x .022")	387-056	387-058	387-060	387-062	387-064
0.46 x 0.64mm (.018" x .025")	387-057	387-059	387-061	387-063	387-065
0.48 x 0.64mm (.019" x .025")	387-009	387-020	387-031	387-042	387-053
0.55 x 0.64mm (.0215" x .025")	387-010	387-021	387-032	387-043	387-054
0.55 x 0.71mm (.0215" x .027")	387-011	387-022	387-033	387-044	387-055

Package of 10

Rounded Rectangular Wire

Wires are formed from highest quality stainless steel.

Rounded corners promote easier and faster bracket engagement and greatly reduce the chance of stress or fracture during engagement in ceramic brackets. Smooth, bright finish solders easily, resists corrosion and actively responds to electropolishing and reducing.

Recommended for use throughout treatment after leveling, in latter phases of treatment when torque control is required, and for detailed finishing. Maintains high-spring qualities. Yield point and tensile strength allow free manipulation with little danger of fracture.

Preformed archwires are precision-shaped to conform to average upper and lower arch forms with centerlines clearly marked. Upper arches feature triple etch marks; lowers have single etch marks.

17.8 cm (7") Lengths

Wire Size	Order No.
0.46 x 0.64mm (.018" x .025")	380-182
0.48 x 0.66mm (.019" x .026")	380-196
0.55 x 0.69mm (.0215" x .027")	380-157

Package of 100



Wire Size	Standard Arch Form		Straight Arch Form		Bio-Arch III Form
	Upper	Lower	Upper	Lower	
0.41 x 0.56mm (.016" x .022")	381-354	381-353	381-356	381-355	381-352
0.43 x 0.64mm (.017" x .025")	381-362	381-361	381-364	381-363	381-351
0.46 x 0.64mm (.018" x .025")	381-383	381-382	381-385	381-384	381-450
0.48 x 0.66mm (.019" x .026")	381-397	381-396	381-399	381-398	381-451
0.55 x 0.69mm (.0215" x .027")	381-358	381-357	381-360	381-359	381-452

Package of 10

Gold Tone Wire

Gold tone stainless steel rectangular wire offers excellent working characteristics. Can be easily soldered. High tensile, stress-relieved wire resists distortion and accepts intricate bends without fracture. Heat-treating is not required. Can be used after initial leveling for maximum torque control or in the latter phases of treatment for finishing.

Preformed wires are shaped to conform to average upper and lower arch forms. Upper arches feature triple etch marks; lowers have single etch marks.

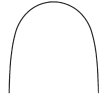


Wire Size	Straight Arch Form	
	Upper	Lower
0.41 x 0.41mm (.016" x .016")	381-101	381-100
0.41 x 0.56mm (.016" x .022")	381-103	381-102
0.43 x 0.64mm (.017" x .025")	381-105	381-104
0.46 x 0.64mm (.018" x .025")	381-107	381-106
0.48 x 0.64mm (.019" x .025")	381-109	381-108

Package of 10

Twisted 3-Strand Wire

Rectangular, twisted wire with bright finish has a large working range and provides moderate forces. Excellent for leveling and aligning during initial phase of treatment. Wire may be cut without unraveling. Loops may be formed without fracture. Preformed archwires feature clearly marked midlines for quick reference. Upper arches feature triple etch marks; lowers have single etch marks.



Wire Size	Straight Arch Form	
	Upper	Lower
0.41 x 0.41mm (.016" x .016")	381-133	381-132
0.41 x 0.56mm (.016" x .022")	381-135	381-134
0.46 x 0.64mm (.018" x .025")	381-137	381-136

Package of 10



Co-Ax[®] Wire

Aligns crowded and rotated anteriors. Central core wire provides stability with five wrapped outer wires for resilience and flexibility. Provides light, continuous forces over a long period of time. Tightly wound, smooth, brightly finished exterior allows brackets to slide freely. Preformed archwires feature clearly marked midlines for quick reference. Upper arches feature triple etch marks; lowers have single etch marks.



Co-Ax Coils

0.41mm (.016")	0.46mm (.018")	0.51mm (.020")	0.56mm (.022")
231-356	231-358	231-360	231-362

9 m (30 ft.) coil

Co-Ax 35.6 cm (14") Lengths

0.41mm (.016")	0.46mm (.018")
231-355	231-375

Package of 10

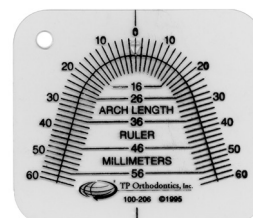


Wire Size	Standard Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.41mm (.016")	381-127	381-126	381-121	381-120
0.46mm (.018")	381-129	381-128	381-123	381-122

Package of 10

Arch Length Ruler

100-206 Arch Length Ruler
Package of 2



Pre-Cut Co-Ax® Wire

Available in 28 convenient pre-cut lengths with ball-ends for patient comfort. Short Co-Ax (sizes 10 to 36mm) may be engaged in three, four or five teeth. Long Co-Ax (sizes 38 to 64mm) is designed for labial engagement in six anterior brackets.



Short Pre-Cut Co-Ax Wire

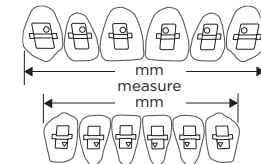
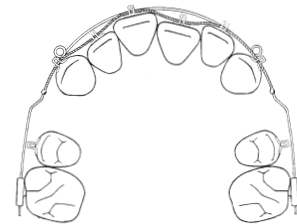
mm	0.41mm (.016")
10	231-210
12	231-212
14	231-214
16	231-216
18	231-218
20	231-220
22	231-222
24	231-224
26	231-226
28	231-228
30	231-230
32	231-232
34	231-234
36	231-236

Package of 2

Long Pre-Cut Co-Ax Wire

mm	0.41mm (.016")	0.46mm (.018")
38	231-038	231-138
40	231-040	231-140
42	231-042	231-142
44	231-044	231-144
46	231-046	231-146
48	231-048	231-148
50	231-050	231-150
52	231-052	231-152
54	231-054	231-154
56	231-056	231-156
58	231-058	231-158
60	231-060	231-160
62	231-062	231-162
64	231-064	231-164

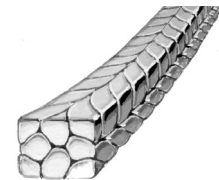
Package of 2



Size selection is determined by total mesiodistal width of teeth to be engaged.

Woven 8-Strand Wire

Eight fine tightly woven strands are formed into a rectangular outer dimension with bright finish, high resiliency and torque control. Can be soldered or bent into loops. Conforms to average upper and lower arch forms. Preformed archwires feature clearly marked midlines for quick reference. Upper arches feature triple etch marks; lowers have single etch marks.



Wire Size	Standard Arch Form		Straight Arch Form	
	Upper	Lower	Upper	Lower
0.41 x 0.41mm (.016" x .016")	381-203	381-204	381-207	381-208
0.41 x 0.56mm (.016" x .022")	381-151	381-150	381-145	381-144
0.46 x 0.64mm (.018" x .025")	381-153	381-152	381-147	381-146
0.48 x 0.64mm (.019" x .025")	381-201	381-202	381-205	381-206
0.53 x 0.64mm (.021" x .025")	381-155	381-154	381-149	381-148

Package of 10

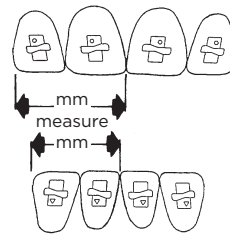
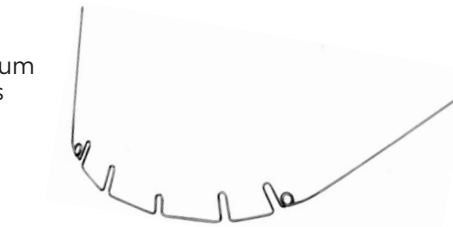
Woven wire is an excellent transitional wire from round to rectangular. The wire fills the edgewise slot for torque control, while the resiliency permits early application for leveling. Woven wire may be the only wire needed for simple cases.

Tip-Edge® Looped Archwires

Formed from 0.41mm (.016") TP Original Premier wire. Used in crowded non-extraction cases. Archwires have five loops. Small midline loop provides flexibility, avoids interference with the frenum and permits additional archwire adjustment. Intermaxillary circles are vertically inclined for comfort.

mm	0.41mm (.016")	mm	0.41mm (.016")
10	337-510	17	337-517
11	337-511	18	337-518
12	337-512	19	337-519
13	337-513	21	337-521
14	337-514	23	337-523
15	337-515	25	337-525
16	337-516	Kit*	337-500

*Kits include 48 wires of assorted sizes in convenient dispenser.
Individual Sizes: Package of 2



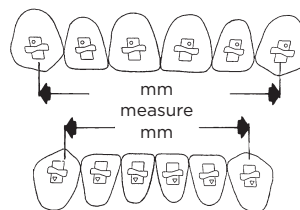
Size is determined by millimeter measurement of total width of one lateral and one central incisor.

Tip-Edge® Wires

Formed from highly resilient TP wire. Used in the Differential Straight-Arch® technique. Intermaxillary circles are vertically inclined for comfort. Bow-Flex® wire used for .016" archwires. TP Original Premier Plus used for all other arches.

mm	0.41mm (.016")	0.46mm (.018")	0.51mm (.020")	0.56mm (.022")
28	336-728	336-828	336-928	336-228
30	336-730	336-830	336-930	336-230
32	336-732	336-832	336-932	336-232
34	336-734	336-834	336-934	336-234
36	336-736	336-836	336-936	336-236
38	336-738	336-838	336-938	336-238
40	336-740	336-840	336-940	336-240
42	336-742	336-842	336-942	336-242
44	336-744	336-844	336-944	336-244
46	336-746	336-846	336-946	336-246
48	336-748	336-848	336-948	336-248
50	336-750	336-850	336-950	336-250
Kit*	336-700	336-800	336-900	336-200

*Kits include 48 wires of assorted sizes in convenient dispenser.
Individual Sizes: Package of 2



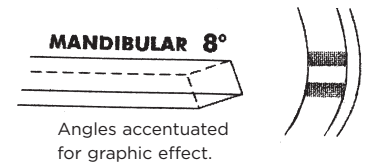
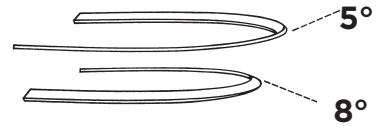
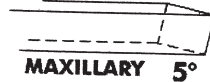
Size is determined by millimeter measurement between mesial surfaces of wings on cuspid brackets. Choose one size smaller than measurement to prevent spacing or rotation of cuspids.

Pretorqued Archwires

Shiny bright 0.55 x 0.71mm (.0215" x .028") stainless steel, preformed archwires with built-in root torque. Entire arch length is torqued, although wires can be adjusted to decrease or omit torque in the posterior segments while leaving torque in the anterior.

Maxillary 5° archwires are identified with a single etched centerline on gingival surface of no torqued side. Mandibular 8° wires feature double etched centerlines on occlusal surface of torqued side. Standard Arch shapes. Can be inverted to automatically achieve either labial or lingual root torque.

381-195 Maxillary 5°
381-196 Mandibular 8°
 Package of 10

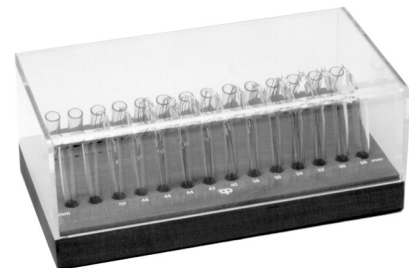


Angles accentuated for graphic effect.

Preformed Archwire Dispensers

Made from solid wood base with walnut finish, these attractive dispensers store preformed archwires in upright position for convenient chairside use. Three designs are available to accommodate the varying arch widths and arch lengths of light wire, standard or straight arch forms.

350-001 Light Wire Arch Form
350-009 Straight Arch Form
336-600 Standard Arch Form
 Wires not included

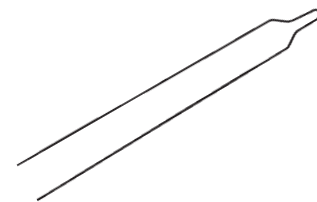


Preformed Ligature Ties

Available in highly polished stainless steel or tooth-colored coated wire for use with ceramic brackets. Length is ample for all tying pliers. Preformed into precise standard shapes.

382-001 Stainless Steel 0.25mm (.010")
 Package of 1,000

382-002 Tooth-Colored 0.30mm (.012")
 Package of 100



Coated ties are especially suitable for ceramic brackets - will not chip or crack the bracket nor bind the archwire. Stainless and coated ties are cut to ample length for all tying pliers and are preformed into precise standard shapes.

Angular Twisted Ligature Ties

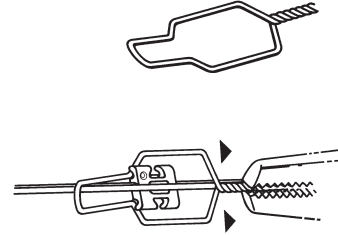
Preformed into precise, convenient shapes with looped ends angulated for easy placement. Stainless steel ties are highly polished and soft tempered.

281-093 Tooth-Colored 0.30mm (.012")
Package of 100

281-094 Stainless Steel 0.25mm (.010")
Package of 10

281-094C Stainless Steel 0.25mm (.010")
Package of 100

281-094D Stainless Steel 0.25mm (.010")
Package of 500

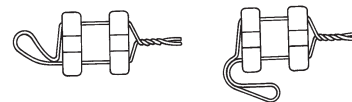
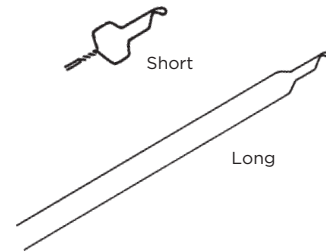


Kobayashi Ligature Ties

Precise, convenient shapes with looped ends angulated for easy placement. Available in highly polished stainless steel or tooth-colored for use with ceramic brackets.

	0.30mm (.012")	0.36mm (.014")
Stainless Steel, Long	281-070C	281-073C
Stainless Steel, Short	281-071C	281-074C
Tooth-Colored, Short	281-072C	

Package of 100



Ligature Wire on Spools

Highly polished finish will never tarnish or corrode. Extreme strength reduces breakage to a minimum.

Wire Size	Order No.
0.20mm (.008")	382-008
0.23mm (.009")	382-009
0.25mm (.010")	382-010
0.28mm (.011")	382-011
0.30mm (.012")	382-012

0.11 kg (.25 lb.), 0.22 kg (.5 lb.) or 0.45 kg (1 lb.) spool
(Specify with order)

