

Therma-Ti™ Wire



Therma-Ti™ Lite

- Lightest force heat activated wire, transitions to its active state at 35° C
- Sufficient stiffness in rectangular dimensions to deliver optimal forces during initial treatment phase
- Soft at room temperature for easy and comfortable ligation

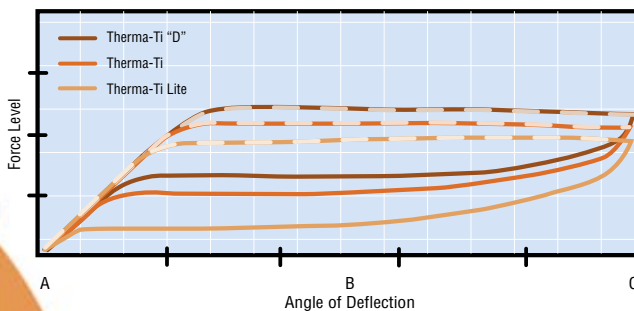
Therma-Ti™

- Medium force heat activated wire, transitioning to its active state at 28° C
- Ideal for early treatment as an initial or secondary arch wire
- Moderate softness at room temperature for easy and comfortable ligation

Therma-Ti™ "D"

- Highest force heat activated wire, transitioning to its active state at 25° C
- Sufficient stiffness in small dimensions to deliver optimal forces during initial phase of treatment

UPPER	Therma-Ti™ Lite			Therma-Ti™		Therma-Ti™ "D"	
	FORM I	FORM II	FORM III	FORM I	FORM III	FORM I	FORM III
.013				858-503 W	858-503I W	857-333 W	857-333I W
.014	857-924 W	857-960 W	857-960I W	858-504 W	858-504I W	857-334 W	857-334I W
.016	857-926 W	857-961 W	857-961I W	858-506 W	858-506I W	857-336 W	857-336I W
.018	857-928 W	857-962 W	857-962I W	858-508 W	858-508I W	857-338 W	857-338I W
LOWER							
.013				858-513 W	858-513I W	857-353 W	857-353I W
.014	857-934 W	857-970 W	857-970I W	858-514 W	858-514I W	857-354 W	857-354I W
.016	857-936 W	857-971 W	857-971I W	858-516 W	858-516I W	857-356 W	857-356I W
.018	857-938 W	857-972 W	857-972I W	858-518 W	858-518I W	857-358 W	857-358I W
UPPER							
.014 x .025	857-948 W		857-985I W	858-539 W	858-539I W	857-340 W	857-340I W
.016 x .016	857-941 W	857-980 W	857-980I W	858-540 W	858-540I W	857-341 W	857-341I W
.016 x .022	857-942 W	857-981 W	857-981I W	858-541 W	858-541I W	857-342 W	857-342I W
.016 x .025	857-945 W		857-986I W	858-542 W	858-542I W	857-343 W	857-343I W
.017 x .025	857-943 W	857-983 W	857-983I W	858-544 W	858-544I W	857-344 W	857-344I W
.0175 x .0175	857-947 W	857-982 W	857-982I W	858-543 W	858-543I W	857-345 W	857-345I W
.018 x .025	857-946 W			858-545 W	858-545I W	857-346 W	857-346I W
.019 x .025	857-944 W	857-984 W	857-984I W	858-546 W	858-546I W	857-347 W	857-347I W
.020 x .020				858-547 W	858-547I W		
.021 x .025	857-949 W		857-987I W	858-548 W	858-548I W	857-348 W	857-348I W
LOWER							
.014 x .025	857-958 W		857-995I W	858-549 W	858-549I W	857-360 W	857-360I W
.016 x .016	857-951 W	857-990 W	857-990I W	858-550 W	858-550I W	857-361 W	857-361I W
.016 x .022	857-952 W	857-991 W	857-991I W	858-551 W	858-551I W	857-362 W	857-362I W
.016 x .025	857-955 W		857-996I W	858-552 W	858-552I W	857-363 W	857-363I W
.017 x .025	857-953 W	857-993 W	857-993I W	858-554 W	858-554I W	857-364 W	857-364I W
.0175 x .0175	857-957 W	857-992 W	857-992I W	858-553 W	858-553I W	857-365 W	857-365I W
.018 x .025	857-956 W			858-555 W	858-555I W	857-366 W	857-366I W
.019 x .025	857-954 W	857-994 W	857-994I W	858-556 W	858-556I W	857-367 W	857-367I W
.020 x .020				858-557 W	858-557I W		
.021 x .025	857-959 W		857-997I W	858-558 W	858-558I W	857-368 W	857-368I W



VLP™ Therma-Ti™ "D" Universal Upper/Lower arch size

	Coordinated Arch Wire	
	Without dimple	With dimple
.013	857-243 W	857-263
.014	857-244 W	857-264
.016	857-246 W	857-266
.014 x .025	857-250 W	857-270
.016 x .025	857-251 W	857-271
.018 x .018	857-252 W	857-272
.018 x .025	857-253 W	857-273
.019 x .025	857-254 W	857-274
.020 x .020	857-255 W	857-275



Superelastic Titanium Memory Wire



- Fully active at room temperature
- Exhibits excellent springback
- Gentle to patients, but powerful enough to align even the most challenging cases
- Moderate forces are an excellent choice for all treatment phases except finishing

	FORM I			FORM II	FORM III		REVERSE CURVE	
		Dimpled	Gold Coated			Dimpled		Straight Leg
UPPER								
.012	857-502 W	857-573		857-702 W	857-702I W			
.014	857-504 W	857-574	857-754	857-704 W	857-704I W	857-774I	857-604	
.016	857-506 W	857-576	857-556	857-706 W	857-706I W	857-776I	857-606	857-756
.018	857-508 W	857-578	857-558	857-708 W	857-708I W	857-778I	857-608	857-758
.020	857-510 W			857-710 W	857-710I W	857-780I		
LOWER								
.012	857-512 W	857-583		857-712 W	857-712I W			
.014	857-514 W	857-584	857-764	857-714 W	857-714I W	857-784I	857-614	
.016	857-516 W	857-586	857-566	857-716 W	857-716I W	857-786I	857-616	857-766
.018	857-518 W	857-588	857-568	857-718 W	857-718I W	857-788I	857-618	857-768
.020	857-520 W			857-720 W	857-720I W	857-790I		
UPPER								
.014 x .018	857-539 W							
.016 x .016	857-540 W	857-540D	857-751	857-731 W	857-731I W			
.016 x .022	857-541 W	857-541D	857-559	857-732 W	857-732I W	857-732ID	857-610	857-771
.017 x .025	857-537 W			857-733 W	857-733I W		857-611	857-772
.018 x .018	857-545 W	857-545D		857-734 W				
.018 x .025	857-542 W		857-557	857-735 W	857-735I W			
.019 x .025	857-543 W			857-736 W	857-736I W	857-736ID	857-612	
.021 x .025	857-544 W							
LOWER								
.014 x .018	857-549 W							
.016 x .016	857-550 W	857-550D	857-761	857-741 W	857-741I W			
.016 x .022	857-551 W	857-551D	857-569	857-742 W	857-742I W	857-742ID	857-620	857-781
.017 x .025	857-547 W			857-743 W	857-743I W		857-621	857-782
.018 x .018	857-555 W	857-555D		857-744 W				
.018 x .025	857-552 W		857-567	857-745 W	857-745I W			
.019 x .025	857-553 W			857-746 W	857-746I W	857-746ID	857-622	
.021 x .025	857-554 W							



Slightly wider arch width of the VLP form maximizes the benefits of passive self ligating brackets.



	Universal Upper/Lower arch size	
	Without dimple	With dimple
.012	857-112 W	857-132
.013	857-113 W	857-133
.014	857-114 W	857-134
.016	857-116 W	857-136
.014 x .025	857-120 W	857-140
.016 x .025	857-121 W	857-141
.018 x .018	857-122 W	857-142
.018 x .025	857-123 W	857-143
.019 x .025	857-124 W	857-144
.020 x .020	857-125 W	857-145





Beta Titanium Wire

- Highly effective wire across all phases of treatment
- Exhibits intermediate stiffness between superelastic nickel titanium wire and stainless steel
- Highly formable with twice the springback of stainless steel
- Arches feature extra length to facilitate multiple loops and bends

	FORM I	FORM III
UPPER		
.016	857-646 W	857-646I W
.018	857-648 W	857-648I W
LOWER		
.016	857-656 W	857-656I W
.018	857-658 W	857-658I W
UPPER		
.016 x .022	857-671 W	857-671I W
.017 x .025	857-672 W	857-672I W
.0175 x .0175	857-675 W	857-675I W
.019 x .025	857-674 W	857-674I W
.021 x .021	857-676 W	857-676I W
.021 x .025	857-677 W	857-677I W
LOWER		
.016 x .022	857-681 W	857-681I W
.017 x .025	857-682 W	857-682I W
.0175 x .0175	857-685 W	857-685I W
.019 x .025	857-684 W	857-684I W
.021 x .021	857-686 W	857-686I W
.021 x .025	857-687 W	857-687I W



Universal Upper/Lower arch size

Without dimple

With dimple

.016 x .025

857-660 W NA

.019 x .025

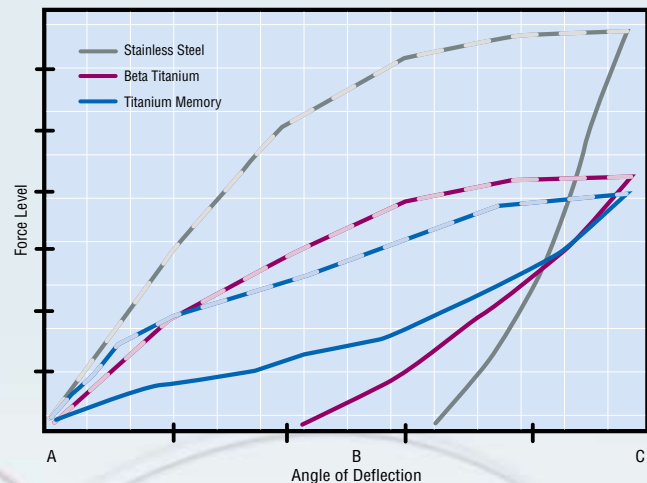
857-663 W NA



Selecting the right wire

Brackets don't move teeth. Neither do bands and tubes. Wires do. Choosing the right wire for the right situation can reduce treatment time, minimize chair time, maximize patient comfort, and produce better results.

Selecting the right wire depends upon two key components: force and deflection. The force that transfers energy from the wire to the tooth is the "unloading force". The "loading force" is merely the effort required to place the wire in the slot.



LOADING UNLOADING

Stainless Steel
Beta Titanium
Titanium Memory

Stainless Steel Wire



- Forged from highest quality medical grade steel
- Strict corner-radius and torque controls ensure optimal wire to bracket interaction
- Stress relieved for superior tensile strength with less brittleness

	FORM I		FORM II	FORM III	BONWILL HAWLEY	
		Gold Coated				Gold Tone
UPPER						
.012	853-232 W					853-312
.014	853-234 W		853-334	853-334I W		853-314
.016	853-236 W	853-276	853-336	853-336I W		853-316
.018	853-238 W	853-278	853-338	853-338I W		853-318
.020	853-240 W		853-340	853-340I W		853-320
LOWER						
.012	853-242 W					853-412
.014	853-244 W		853-344	853-344I W		853-414
.016	853-246 W	853-286	853-346	853-346I W		853-416
.018	853-248 W	853-288	853-348	853-348I W		853-418
.020	853-250 W		853-350	853-350I W		853-420
UPPER						
.016 x .016	853-200 W	853-255	853-371	853-371I W	853-701	853-801
.016 x .022	853-201 W	853-256	853-372	853-372I W	853-702	853-802
.017 x .017					853-704	853-804
.017 x .022					853-705	853-805
.017 x .025	853-204 W	853-257	853-373	853-373I W	853-706	853-806
.018 x .018	853-209		853-374	853-374I W		
.018 x .022	853-205 W				853-708	853-808
.018 x .025	853-206 W	853-258	853-375	853-375I W	853-709	853-809
.019 x .025	853-207 W		853-376	853-376I W	853-711	853-811
.021 x .025	853-208 W		853-377	853-377I W	853-714	853-814
LOWER						
.013 x .015	853-222 W					
.014 x .018					853-738	853-838
.015 x .020					853-740	853-840
.016 x .016	853-210 W	853-265	853-381	853-381I W	853-721	853-821
.016 x .022	853-221 W	853-266	853-382	853-382I W	853-722	853-822
.017 x .017					853-724	853-824
.017 x .022					853-725	853-825
.017 x .025	853-224 W	853-267	853-383	853-383I W	853-726	853-826
.018 x .018	853-229		853-384	853-384I W		
.018 x .022	853-225 W				853-728	853-828
.018 x .025	853-226 W	853-268	853-385	853-385I W	853-729	853-829
.019 x .025	853-227 W		853-386	853-386I W	853-731	853-831
.021 x .025	853-228 W		853-387	853-387I W	853-734	853-834



Coordinated Arch Wire
Universal Upper/Lower
arch size

Posted Stainless Steel

	.016 x .025	.019 X .025
26 mm	860-726	860-826
28 mm	860-728	860-828
30 mm	860-730	860-830
32 mm	860-732	860-832
34 mm	860-734	860-834
36 mm	860-736	860-836
38 mm	860-738	860-838

Non posted Stainless Steel

	Without dimple
.016 x .022	853-601
.016 x .025	853-602
.017 x .025	853-603
.019 x .025	853-605

