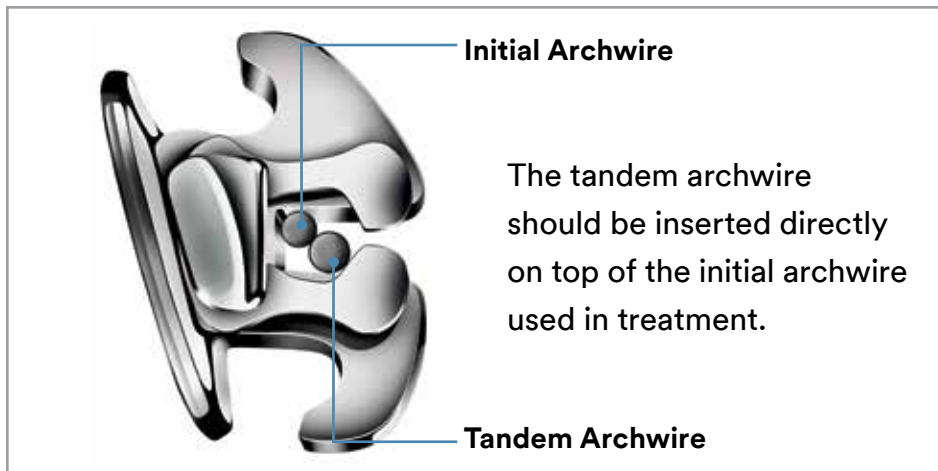


## Tandem Archwires: Total Control

**Goal:** To correct rotations and level and align the teeth early in treatment.

**Solution:** Using 3M™ Self-Ligating Appliances, engage two round flexible archwires to fill the horizontal and vertical planes with light unloading forces.



### Notes:

- Do not insert the tandem archwire until the initial archwire is completely passive.
- Do not move to rectangular archwires until all rotations and vertical corrections are complete with tandem archwires.



Prior to Tandem Archwire



Tandem Archwire Working



Tandem Archwire Complete

# Archwire Sequencing

## Simplified Archwire Sequence Guideline for 3M™ Self-Ligating Appliances

Treatment Phase		.018 Slot	.022 Slot
<b>Initial Phase</b>			
<b>Getting Organized:</b> <ul style="list-style-type: none"> <li>leveling</li> <li>aligning</li> </ul>	<b>Necessary Wire Criteria:</b> <ul style="list-style-type: none"> <li>low forces</li> <li>low modulus</li> <li>low friction</li> </ul>	Nitinol SE .012 or .014	Nitinol SE .014
<b>Intermediate Phase</b>			
<b>Working the Big Picture:</b> <ul style="list-style-type: none"> <li>arch form correction</li> <li>occlusal plane leveling</li> <li>rotating</li> <li>tipping</li> </ul>	<b>Necessary Wire Criteria:</b> <ul style="list-style-type: none"> <li>medium forces</li> <li>medium working range</li> <li>medium modulus</li> <li>medium malleability</li> <li>low friction</li> </ul>	Nitinol SE .014 with Nitinol Classic .014 tandem	Nitinol SE .014 with Nitinol SE .016 tandem
<b>Finishing Phase</b>			
<b>Getting Down to Details:</b> <ul style="list-style-type: none"> <li>vertical detailing</li> <li>space closure</li> <li>refine interdigitation</li> <li>retention</li> </ul>	<b>Necessary Wire Criteria:</b> <ul style="list-style-type: none"> <li>medium forces</li> <li>short working range</li> <li>high modulus</li> <li>high malleability</li> </ul>	Beta III Titanium .016 × .025 .017 × .025	Nitinol SE .017 × .025 Nitinol SE .019 × .025 Beta III Titanium .019 × .025

**Note:** There are many variations to this basic sequence that can be used. Archwire sequence should always be modified to best treat each individual case.

To learn more about Recommended Archwire Sequencing, please visit [www.3MUnitekTraining.com](http://www.3MUnitekTraining.com) or call your 3M Representative.