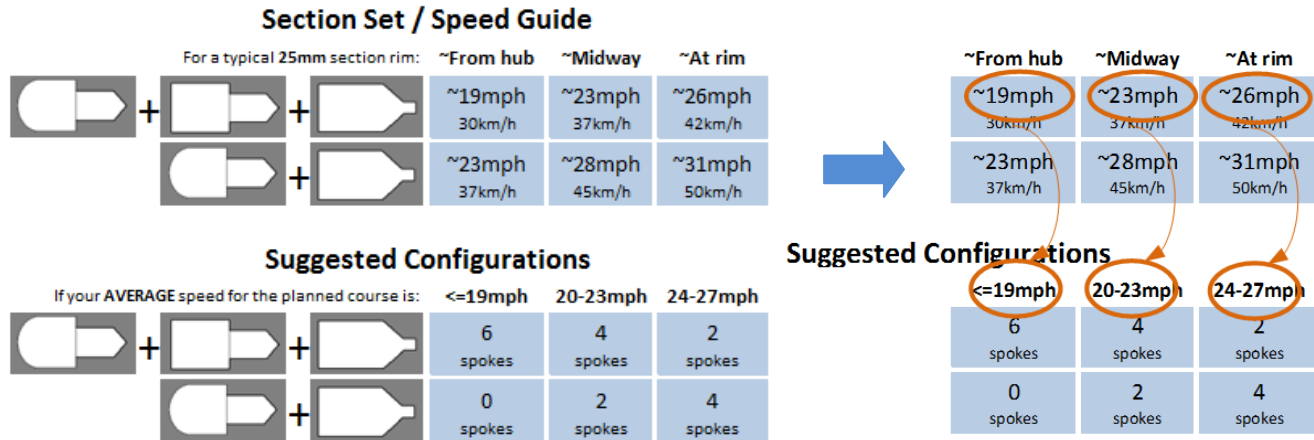


APPENDIX

a. Customizing Your Configuration



The tables above show the typical setup based on a 25mm rim section wheel with a radial hub. Note that the LONG set (i.e. 3 sections) speeds match the Configuration categories (note arrows above). So, by determining the LONG set speeds, you are able to optimize your LONG : SHORT combination for a particular route. Here’s how you can determine your configuration of Active-Spoke set based on your specific wheel set’s installation.

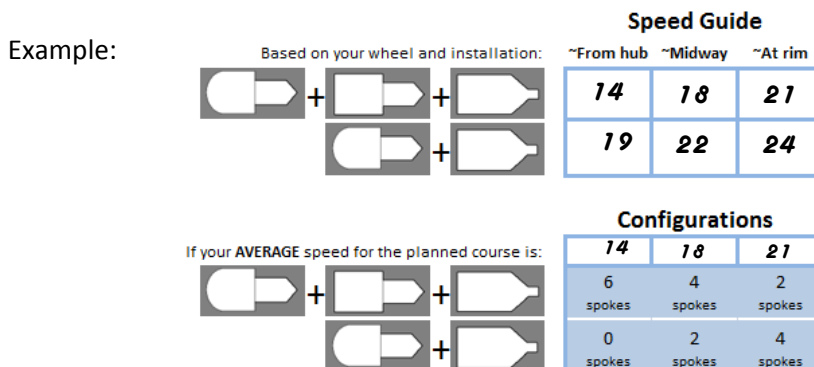
Preparation: Mount your bicycle on a secure stand (e.g. trainer) and select a high gear. Try tilt/adjust the bicycle’s speedometer so you are able to view the speed while looking at the rear wheel. For the initial test, configure all sets as LONG sets (i.e. all 3 sections)

!WARNING – REMOVE LOOSE CLOTHING AND MAINTAIN CAUTION AND DISTANCE WHEN TURNING CRANK

Operation: Spin the crank with your hand while noting the Active-Spoke set’s movement and viewing the bicycle speedometer. As speed increases, sets will move outward. Some sets may move out at slightly different rates. This is normal. Document the speed when, on average, the sets are in the midway position and when they reach the rim.

Now change ALL sets to the SHORT configuration (i.e. only two sections) by removing the mid section and repeat the operation. In this way, you are able to complete the SPEED GUIDE table found on page 20. Now, take the LONG set speed results and fill in the headings on the Configuration table (as shown in the example below).

Application: Consider your typical average speed (or your projected average speed for a specific route); View the CONFIGURATION table and adjust the sets to the recommended combinations based on your average speed.

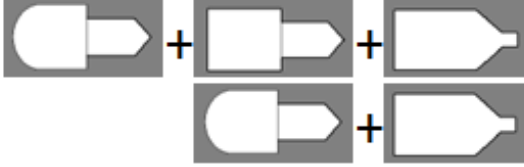


ACTIVE-SPOKE CONFIGURATION WORK SHEET

TITLE: _____ Date: _____ Wheel: _____

Speed Guide

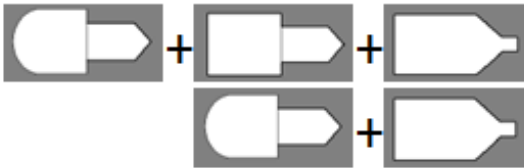
Based on your wheel and installation:



	~From hub	~Midway	~At rim

Configurations

If your **AVERAGE** speed for the planned course is:



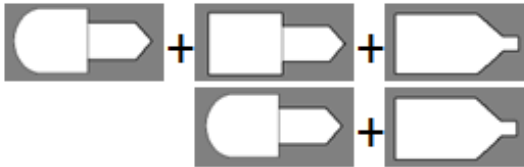
	~From hub	~Midway	~At rim
6 spokes	4 spokes	2 spokes	
0 spokes	2 spokes	4 spokes	

NOTES: _____

TITLE: _____ Date: _____ Wheel: _____

Speed Guide


Based on your wheel and installation:



	~From hub	~Midway	~At rim

Configurations

If your **AVERAGE** speed for the planned course is:



	~From hub	~Midway	~At rim
6 spokes	4 spokes	2 spokes	
0 spokes	2 spokes	4 spokes	

NOTES: _____