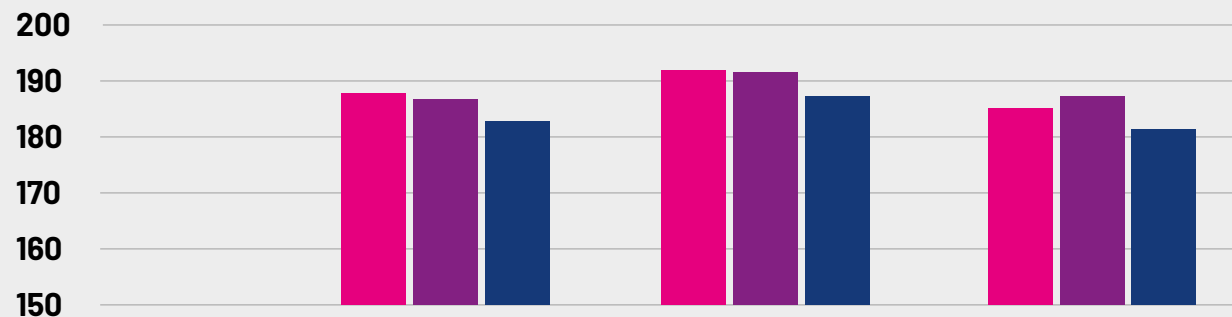


NOPINZ TRI BELT VS STANDARD TRI-BELT AT 40kph



	AERO TRI SUIT ONLY	STANDARD TRI BELT	NOPINZ SPEEDBELT
0 Degrees yaw	188w	191.75w	184.6w
4 Degrees yaw	187w	191.55w	186.75w
7 Degrees yaw	182.5w	186.45w	181.7w
Average	185.83w	189.91w (+4.08w)	184.35w (-1.48w)

SUMMARY

Nopinz Speedbelt was on average **5.5 watts faster** than using a standard Tri-Belt with a flapping number.

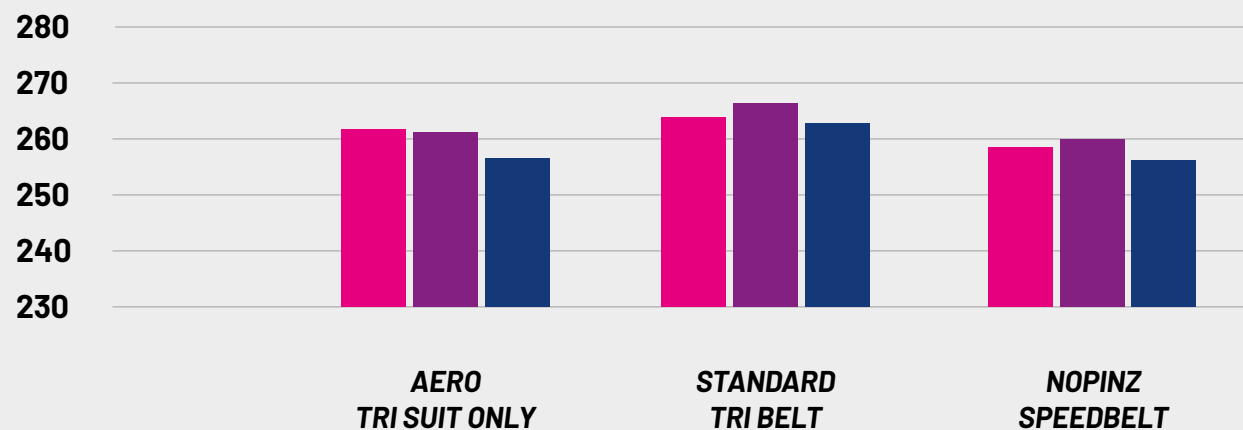
Test speed 40kph.

Yaw 0/4/7, Subject India Lee, Location Silverstone Wind Tunnel UK.



NOPINZ TRI BELT VS STANDARD TRI-BELT AT

45kph



0 Degrees yaw	261.5w	263.53w	257.8w
4 Degrees yaw	261w	265.98w	260w
7 Degrees yaw	257w	262.49w	255.57w
Average	259.8w	264w (+4.2w)	257.79w (-2.01w)

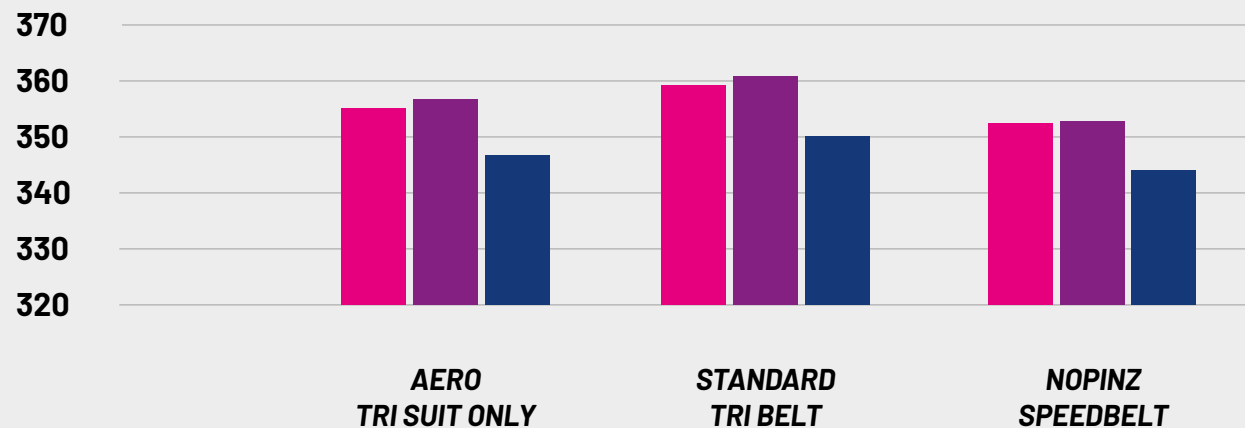
SUMMARY

NopinZ Speedbelt was on average **6.2 watts faster** than using a standard Tri-Belt with a flapping number.

Test speed 45kph.

Yaw 0/4/7, Subject India Lee, Location Silverstone Wind Tunnel UK.

NOPINZ TRI BELT VS STANDARD TRI-BELT AT 50kph



0 Degrees yaw	354.8w	359.16w	352.3w
4 Degrees yaw	356w	360.8w	352.4w
7 Degrees yaw	346w	350w	343.7w
Average	352.2w	356.65w (+4.45w)	349.4w (-2.8w)

SUMMARY

Nopinz Speedbelt was on average **7.25 watts** faster than using a standard Tri-Belt with a flapping number.

Test speed 50kph.

Yaw 0/4/7, Subject India Lee, Location Silverstone Wind Tunnel UK.

AERODYNAMIC IMPACT OF WEARING A TRI-BELT

Wearing a Tri-belt with a flapping number on average cost +4.24w vs wearing no Tri-belt at all. The minimum aerodynamic penalty of wearing a standard Tri-belt was +2w with a maximum penalty of +5.5w.

NopinZ Speedbelt was on average +6.3w faster than wearing a standard Tri-belt and -2.1w faster than wearing no Tri-belt at all.

To put the aerodynamic difference into perspective, over half ironman distance you're looking at an average saving of 35-40 seconds by swapping a standard Tri-Belt for a NopinZ Speedbelt. Over a full distance Triathlon the aerodynamic saving increases to 70-80 seconds!

The NopinZ Speedbelt on average improves aerodynamic efficiency by -2.1w over no Tri-belt, and when compared with a standard Tri-belt has a maximum watt saving of -8.36w.

(These test were conducted at Silverstone wind tunnel in August 2023 using test speeds of 40/45/50 kph and a yaw angle of 0/4/7 degrees)

