

So... how do I decide between the Helix and the Nexus?

The all-new Nexus combines the best elements of the reactive, low-vibration feel of the Matrix with the highly acclaimed slim throated grip of the Helix in a lightweight, highly responsive design. Nexus is available in 25 and 23 inch models, while Helix is only offered in 25”.

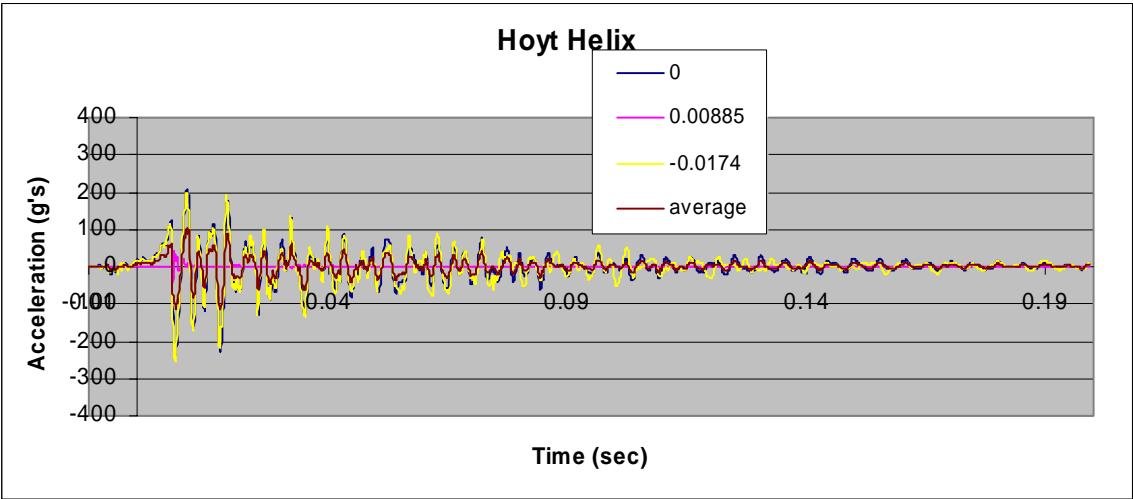
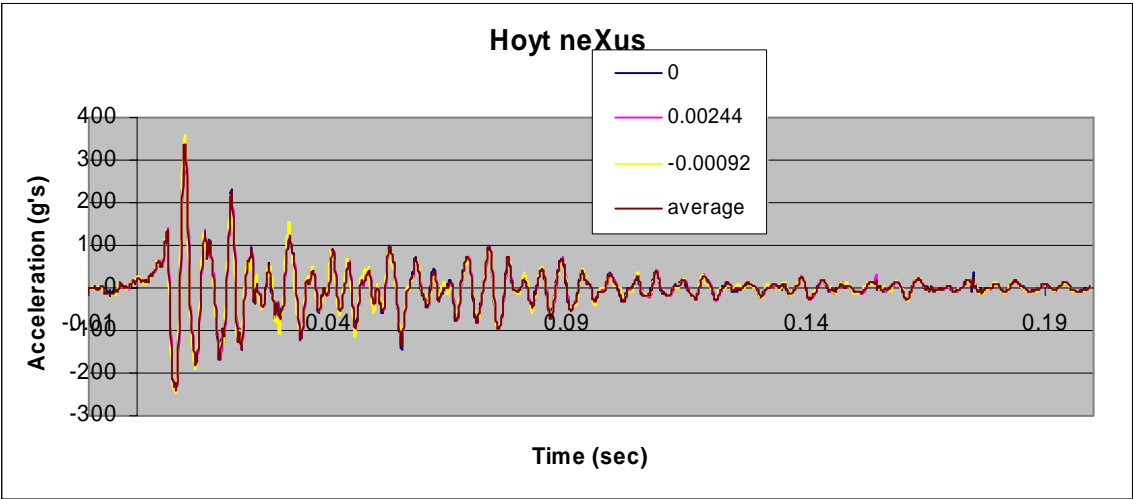
An advanced Isolinear design means the Nexus flexes in harmony with Hoyt limbs and on the shot, the highly responsive flex pattern gives direct feedback to the shooter. TEC design means the Helix has a stiffer, less compliant reaction, and is highly stable.

The exclusive Hoyt Ergo Grip found on both models provides a comfortable, secure hand position even in wet conditions, and is interchangeable with the high-performance Hoyt Ortho grip, a higher wrist reverse camber grip option designed for advanced competitors. The Nexus and Helix can also be shot directly off the riser in a low-wrist angle configuration due to their fully-radiused and relieved riser section under the grip.

Like the Helix, the new Nexus features advanced pressure point synchronization- the cushion plunger location is designed to coincide with the actual center of pressure on the grip, maximizing stability and decreasing the effects of torque. This makes the Nexus much less prone to the effects of variations in hand pressure caused by the stress of competition or environmental factors like rain.

The advanced design also supports the arrow in the optimal location in the vertical plane. The low-moment grip to pressure point configuration, originally developed on the Hoyt AeroTec, completes the package.

More below...



These charts help show the difference between the smooth, stable shot reaction of the Helix and the punchy, dynamic reaction of the Nexus. As you can see, the Nexus has a

dynamic reaction on release, but is great at absorbing vibration. In both risers, arrows are out of the bow before the riser has a chance to move.

The Helix also has a fairly dynamic shot reaction, but due to the TEC design, it dampens vibration faster, lending to a feeling of more smoothness.

(In the examples above both bows were set up identically, bare riser only, shooting the same arrow, string, and pair of G3 limbs.)