

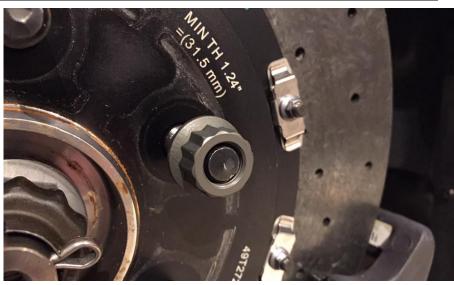
Overview:

The open-ended titanium lug nuts serve 2 purposes: reduced weight over OEM and other aftermarket lug nuts and increased brake cooling by allowing heat to escape through the wheel studs.

Compatibility:

The lug nuts will fit any Viper 1992-2017 along with other vehicles with a $\frac{1}{2}$ -20 thread wheel stud. The nuts have a 60 degree seat angle.

The design is a 17mm 12 point head, and is compatible with this type of socket. An example of a compatible socket driver is Sunex Tools 267217.



Lug nut installed on a Viper ACR (without wheel)

Outer diameter is 23.5mm requiring a 26mm minimum wheel port.

Construction:

Not "just" billet Titanium, these are a high-strength forging of 6AL-4V Titanium which are fully CNC machined after the fact to achieve precise threads and seats.

Titanium nuts on a steel lug can cause galling if anti-seize is not used. This is not required with these nuts as they have been coated with a durable Teflon-infused coating.

Weight:

Each lug nut weighs 0.036lbs. this is 39% of the weight of an OEM Viper lug nut.

Ordering Information:

http://dougshelbyengineering.com/Viper.html

DSE-LN-TI-001: ½'20 Open Ended Titanium Lug Nuts (set of 25)

Installation Guide:

- Hand tightening with a torque wrench is recommended to preserve the finish. <u>Do not use an impact wrench.</u> Take caution to avoid damage due to worn/damaged studs or damage due to over-torque or incorrect installation.
- The coating provides a reduced-friction surface similar to anti-seize and therefore requires a torque adjustment to maintain the intended force. <u>Torque the lug nuts to ~80% of the recommended torque spec</u> (roughly 80 ft-lbs for Vipers check torque specs for your model year).

Inspection and Maintenance:

- As with any lug nut, check the torque again after the first drive to ensure they are still tightened to spec.
- On track days check the torque after each session.
- Periodically inspect the coating on the threads. If significant damage or wear of the coating occurs over time use Permatex Anti-Seize or equivalent to prevent galling.
- Inspect nuts before and after each installation and discarded if any damage or out-of-spec thread tolerance is observed.

Thank you for your purchase!

Your business is appreciated and customer satisfaction is our top priority! Don't hesitate to contact us via email with any questions or feedback. Word of mouth is the best form of advertising so if you are satisfied please spread the word!

Disclaimer of Liability:

Doug Shelby Engineering assumes no liability expressed or implied for the improper installation or use of this product or its components.

Doug Shelby Engineering is NOT responsible for any damage, consequential or otherwise for equipment failure after installation.

Vehicle Modification:

Modification of your vehicle with the parts identified above may alter its stock performance; the buyer hereby expressly assumes all risks associated with any such modification.

Disclaimer of Warranty:

Seller disclaims any warranty express or implied with respect to the parts sold hereby whether as to merchantability, fitness for particular purpose, or any other matter.