Lug Nut Torque Chart

Factory lug nut torque from owner's manuals, clean dry threads. Two values = alloy wheel / steel wheel. If your manual or wheel maker gives a different number, use theirs.

Make	Model	Years	ft-lb	N·m
Audi	A4	2020-2021	**89**	**120**
	Q5	2021	**103**	**140**
Chevrolet	Colorado	2016-2022, 2024	**140**	**190**
	Equinox	2018-2022	**100**	**140**
	Malibu	2016-2022	**100**	**140**
	Silverado 1500	2015-2024	**140**	**190**
	Silverado 2500/3500HD	2015-2018, 2022-2024	**140**	**190**
	Tahoe / Suburban	2018-2022	**140**	**190**
	Traverse	2018-2022, 2024	**140**	**190**
Dodge	Charger SRT 2018: 111	2016, 2018-2021	**130**	**176**
	Durango SRT: 110	2015-2024	**130**	**176**
Ford	Bronco (not Raptor)	2022-2023	**100**	**135**
	Bronco Raptor	2023	**150**	**204**
	Escape	2015-2022	**100**	**135**
	Explorer	2014-2019	**100**	**135**
	Explorer	2020-2023	**150**	**204**
	F-150	2015-2023	**150**	**204**
	F-250 / F-350	2015-2019	**165**	**224**
	F-250 / F-350	2020-2023	**150**	**204**
	Maverick	2022-2023	**148**	**200**
	Mustang	2018-2023	**150**	**204**
	Ranger	2019-2023	**100**	**135**
GMC	Canyon	2017-2022	**140**	**190**
	Sierra 1500	2015-2018, 2020-2024	**140**	**190**
	Sierra 2500/3500HD	2015-2018, 2020-2024	**140**	**190**
	Yukon / Yukon XL	2021	**140**	**190**
Honda	Accord	2016-2025	**80**	**108**
	Civic sedan	2017-2025	**80**	**108**
	Civic hatchback	2022	**80**	**108**
	Civic hatchback, manual	2025	**94**	**127**
	CR-V	2017-2025	**80**	**108**
	Odyssey	2018-2023	**94**	**127**
	Pilot	2016-2025	**94**	**127**
Hyundai	Elantra	2016	**65-79**	**88-107**
	Elantra	2017-2023	**79-94**	**107-127**
	Santa Fe	2020-2025	**79-94**	**105-127**
	Santa Fe Sport	2017	**65-79**	**88-107**
	Santa Fe Sport	2018	**79-94**	**107-127**
	Tucson	2016	**65-79**	**88-107**
	Tucson	2018-2025	**79-94**	**107-127**
Jeep	Cherokee	2017-2023	**100**	**135**
	Gladiator	2021-2024	**130**	**176**
	Grand Cherokee SRT 17-19: 110	2015-2024	**130**	**176**
	Wrangler JK	2015-2018	**100**	**135**
	Wrangler JL	2018-2023	**130**	**176**

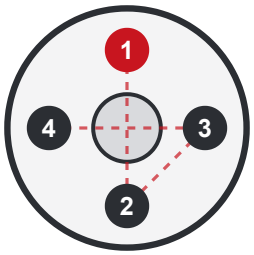
Make	Model	Years	ft-lb	N·m
Kia	Sorento	2021-2025	**79-94**	**107-127**
	Sportage	2023-2024	**79-94**	**107-127**
	Telluride	2022-2025	**79-94**	**107-127**
Lexus	RX	2018-2022	**76**	**103**
	RX wheel bolts	2023-2025	**103**	**140**
Mazda	CX-5	2016-2025	**80-108**	**108-147**
	Mazda3	2017-2023	**80-108**	**108-147**
Mercedes	C-Class 2018: 111	2015-2021	**96**	**130**
	C-Class	2023-2024	**111**	**150**
	GLC	2016-2017	**96**	**130**
	GLC	2018-2024	**111**	**150**
Nissan	Altima	2015-2025	**83**	**113**
	Frontier	2015-2025	**98**	**133**
	Rogue	2015-2023	**83**	**113**
	Rogue	2024-2025	**80**	**108**
	Sentra	2015-2025	**83**	**113**
	Titan	2017-2024	**98**	**133**
	Titan XD	2016-2024	**131**	**177**
Ram	1500 / 1500 Classic	2015-2024	**130**	**176**
	2500 / 3500 flanged nut: 129	2015-2024	**130**	**176**
Subaru	Crosstrek	2025	**89**	**120**
	Forester	2022-2024	**89**	**120**
	Legacy	2018	**89**	**120**
	Outback	2018, 2021-2026	**89**	**120**
Tesla	Model 3	2017-2025	**129**	**175**
	Model Y	2020-2025	**129**	**175**
Toyota	4Runner alloy / steel	2016-2024	**76 / 83**	**103 / 112**
	4Runner alloy / steel	2026	**97 / 154**	**131 / 209**
	Camry	2015-2024	**76**	**103**
	Corolla	2017-2019, 2021-2025	**76**	**103**
	Highlander	2016-2019, 2021-2024	**76**	**103**
	Prius	2016-2022	**76**	**103**
	RAV4	2013-2018, 2020-2025	**76**	**103**
	Tacoma	2017-2023	**83**	**113**
	Tacoma alloy / steel	2024-2026	**97 / 154**	**131 / 209**
	Tundra alloy / steel	2016-2021, 2023-2025	**97 / 154**	**131 / 209**

Model years not listed were not verified: check the manual's Specifications section. Audi and Tesla values come from factory service documents.

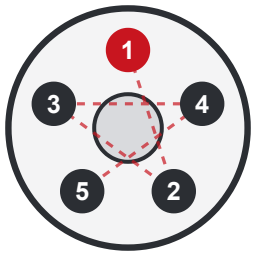
33gears.com/lug-nut-torque-chart

How to Torque Lug Nuts

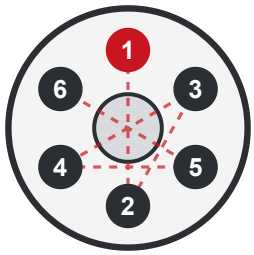
Star pattern, two or three passes, final torque with the tire on the ground.



4 lugs



5 lugs



6 lugs



8 lugs

1. **Clean the threads and the wheel face.** No oil, grease or anti-seize on studs or nuts: specs are for dry threads.
2. **Start every nut by hand** and run them in evenly until the wheel sits flat against the hub.
3. **Snug the nuts in the star pattern** with the wheel still in the air. Do not fully tighten yet.
4. **Lower the car** so the tire carries weight and the wheel cannot spin.
5. **Torque in two or three passes** in the same order: about half the spec, then the full spec. Stop at the click.
6. **Re-check after driving.** Use the distance in your manual (Ram 25 mi, Ford and Tacoma 100 mi, Nissan and Subaru about 600 mi). With no figure, re-check within 25 to 100 miles.

Not listed? Start from the stud size, then confirm

Stud thread	Typical range (ft-lb)	Factory specs in this chart
12 x 1.25 mm	**70-80**	100 (Jeep Cherokee)
12 x 1.5 mm	**70-80**	100 (Ford Escape, Ranger, Bronco)
14 x 1.5 mm	**85-90**	110-165 (GM, Ram, Ford, Jeep, Dodge)
7/16 in	**70-80**	
1/2 in (1/2-20)	**75-85**	100 (Jeep Wrangler JK)
9/16 in	**135-145**	

Generic ranges run low. Many trucks with 14 x 1.5 mm studs call for 130 to 165 ft-lb, far above the 85-90 generic range. Use the stud table only to sanity-check a number from the manual or the wheel maker.

Impact wrench? Use it to run nuts on, never for the final torque. Finish with a torque wrench. Store a click wrench at its lowest setting.

My vehicle

Lug nut torque: _____ ft-lb	Socket size: _____	Lock key stored: _____
Last tire service: ___ / ___ / ___	Re-check due at: _____ mi	Re-checked: ___ / ___ / ___

General guidance; the vehicle owner's manual and wheel maker instructions take priority.

33gears.com/lug-nut-torque-chart