

Lug Nut and Wheel Lock Application Guide

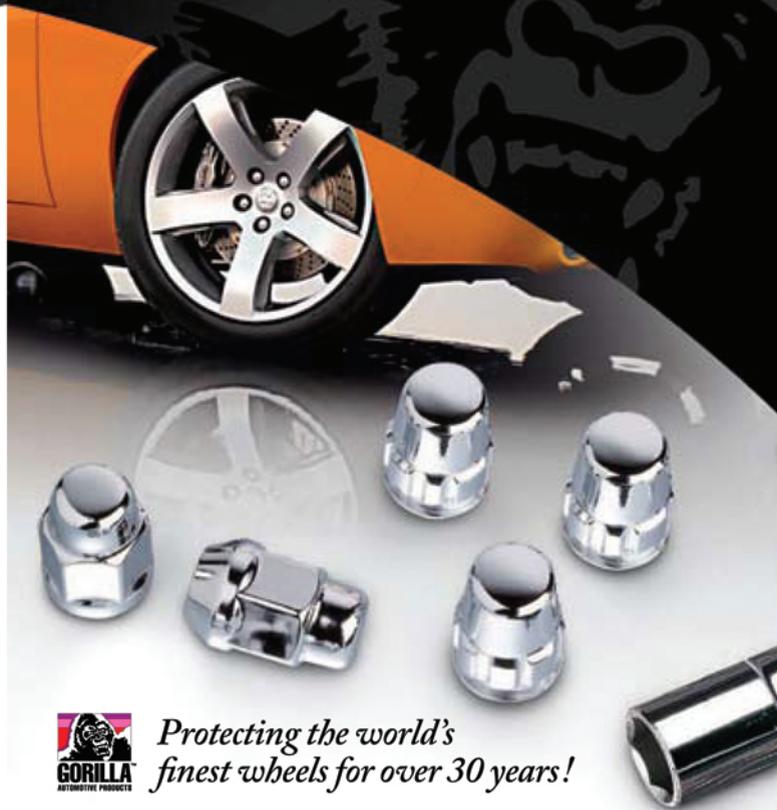


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Part #GAG08



*Protecting the world's
finest wheels for over 30 years!*

How to select the lug nut or wheel lock for your vehicle in 2 easy steps.

REMEMBER THIS IS ONLY A GUIDE!

ATTENTION: The information provided is **ONLY** a guide. To insure proper lug nut, lug bolt or wheel lock selection, refer to your current lug nut to determine correct lug nut style and thread size for your vehicle.

STEP 1 Determine the seat type of your lug nut for your wheels. Match your lug nut with the charts below, finding the proper seat type. If possible, compare to an actual lug nut from your vehicle for comparison.

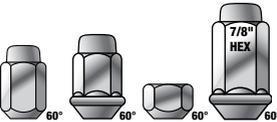
Cone Seat



All Acorn lug nuts have a 60° conical seat.

60°

Different types of cone seat lug nuts



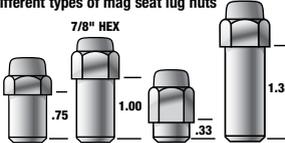
ACORN BULGE ACORN ACORN OPEN END DUPLEX ACORN

Mag Seat



Mag lug nuts have a flat seat and use a washer.

Different types of mag seat lug nuts



STANDARD MAG DUPLEX MAG SHORT SHANK CRAGAR SST

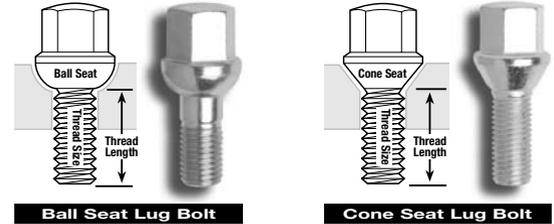
(Step 1 continued on next page)

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Lug Bolt Reference Chart

To insure proper lug bolt or lug bolt lock selection, refer to your lug bolt to determine: SEAT TYPE, THREAD SIZE AND THREAD LENGTH.

- When selecting lug bolts, reference the following:
- Seat type - Ball or Cone
 - Thread size
 - Thread length



STEP 2 Determine the correct thread size for your vehicle. Find the thread size listed in this application guide with the make, model and year of your vehicle.

EXAMPLE:

MAKE AND MODEL	YEAR	THREAD SIZE
CHEVROLET		
Beretta	88-96	12 x 1.50
Camaro	67-81	7/16
Camaro	82-Present	12 x 1.5
Caprice	68-76	1/2
Caprice	77-90	7/16 or 1/2
Caprice	91-96	12 x 1.50
Cavalier	82-Present	12 x 1.50
Celebrity	82-89	12 x 1.50

PASSENGER CAR APPLICATIONS

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MAKE AND MODEL	YEAR	THREAD SIZE
ACURA		
RL	05-Present	14 x 1.50
All Others	86-Present	12 x 1.50

AMERICAN MOTORS

All Others	60-87	1/2
Alliance/Encore	83-87	12 x 1.50

BUICK

Apollo	73-75	7/16
Century	73-81	7/16
Century	82-Present	12 x 1.50
Electra	60-84	1/2
Electra	85-90	12 x 1.50
Lacrosse, Lucerne	05-Present	12 x 1.50
Lesabre	60-76	1/2
Lesabre	77-85	7/16
Lesabre	86-Present	12 x 1.50
Opel	68-79	12 x 1.50
Park Avenue	91-Present	12 x 1.50
Reatta	88-92	12 x 1.50
Regal	77-81	7/16
Regal	82-Present	12 x 1.50
Rendezvous	02-Present	12 x 1.50
Riviera	63-78	1/2
Riviera	79-Present	12 x 1.50
Roadmaster	91-96	12 x 1.50

MAKE AND MODEL	YEAR	THREAD SIZE
BUICK		
Skyhawk	75-81	7/16
Skyhawk	82-89	12 x 1.50
Skylark	62-79	7/16
Skylark	80-97	12 x 1.50
Somerset	85-87	12 x 1.50
Terraza	05-Present	12 x 1.50

CADILLAC

Allante	87-93	12 x 1.50
Brougham	87-90	1/2
Brougham	91-95	12 x 1.50
CTS,CTS-V	03-Present	12 x 1.50
Catera	97-Present	12 x 1.50
Cimarron	81-88	12 x 1.50
DTS	06-Present	12 x 1.50
Deville	62-84	1/2
Deville	85-Present	12 x 1.50
Eldorado	53-78	1/2
Eldorado	79-Present	12 x 1.50
Fleetwood	60-86	1/2
Fleetwood	85-96	12 x 1.50
Seville	75-76	7/16
Seville	77-79	1/2
Seville	80-Present	12 x 1.50
XLR,XLR-V, STS	04-Present	12 x 1.50

PASSENGER CAR APPLICATIONS

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MAKE AND MODEL	YEAR	THREAD SIZE
CHEVROLET		
Aveo	04-Present	12 x 1.50
Bel Air, Biscayne	54-70	7/16
Beretta	88-96	12 x 1.50
Camaro	67-81	7/16
Camaro	82-Present	12 x 1.50
Caprice	68-76	1/2
Caprice	77-90	7/16 or 1/2
Caprice	91-96	12 x 1.50
Cavalier	82-Present	12 x 1.50
Celebrity	82-89	12 x 1.50
Chevelle	64-76	7/16
Chevette	76-87	12 x 1.50
Citation	80-85	12 x 1.50
Cobalt	05-Present	12 x 1.50
Corsica	88-96	12 x 1.50
Corvair	60-69	7/16
Corvette	53-83	7/16
Corvette	84-Present	12 x 1.50
HHR	06-Present	12 x 1.50
Impala	58-70	7/16
Impala	77-84	7/16 or 1/2
Impala SS	93-Present	12 x 1.50
Impala, Belaire, Biscayne	71-76	1/2
Lumina	89-Present	12 x 1.50
Malibu	64-81	7/16
Malibu	82-Present	12 x 1.50

MAKE AND MODEL	YEAR	THREAD SIZE
CHEVROLET		
Monte Carlo	70-81	7/16
Monte Carlo	82-Present	12 x 1.50
Monza	75-81	7/16
Nova	86-89	12 x 1.50
Nova, Chevy II	62-79	7/16
Sprint	85-93	10 x 1.25
Vega	71-77	7/16
CHRYSLER		
300, Crossfire	05-Present	14 x 1.50
300M	99-04	12 x 1.50
Cirrus	95-Present	12 x 1.50
Concorde	93-Present	12 x 1.50
Cordoba	75-83	1/2
Imperial	81-83	1/2
Imperial	90-95	12 x 1.50
Laser	84-86	12 x 1.50
Lebaron	71-81	1/2
Lebaron	82-95	12 x 1.50
LHS	93-Present	12 x 1.50
New Yorker	83-98	12 x 1.50
New Yorker Fifth Avenue	71-92	1/2
Newport	71-81	1/2
Sebring	95-Present	12 x 1.50
DAEWOO		
Leganza, Nubira	99-Present	12 x 1.50

PASSENGER CAR APPLICATIONS

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MAKE AND MODEL	YEAR	THREAD SIZE
DAIHATSU		
All	91-92	12 x 1.50
DODGE		
400	82-84	12 x 1.50
600	83-89	12 x 1.50
Aries	81-89	12 x 1.50
Aspen	76-80	1/2
Avenger	95-Present	12 x 1.50
Caliber	06-Present	12 x 1.50
Challenger	71-74	1/2
Challenger	78-83	12 x 1.50
Charger	06-Present	14 x 1.50
Charger	71-76	1/2
Charger	78-88	12 x 1.50
Colt	72-93	12 x 1.50
Conquest	84-88	12 x 1.50
Coronet	71-77	1/2
Dart	71-76	7/16 or 1/2
Daytona	81-94	12 x 1.50
Diplomat	77-88	1/2
Dynasty	88-95	12 x 1.50
Intrepid	93-Present	12 x 1.50
Lancer	85-89	12 x 1.50
Magnum	05-Present	14 x 1.50
Magnum	71-79	1/2
Mirada	79-83	1/2

MAKE AND MODEL	YEAR	THREAD SIZE
DODGE		
Monaco	71-78	1/2
Monaco	90-92	12 x 1.50
Neon	94-Present	12 x 1.50
Omni	78-91	12 x 1.50
Polara	71-73	1/2
Shadow	87-95	12 x 1.50
Shelby	83-91	12 x 1.50
Spirit	91-95	12 x 1.50
St. Regis	79-81	1/2
Stealth	91-96	12 x 1.50
Stratus	95-Present	12 x 1.50
Viper	92-Present	1/2

EAGLE		
All	88-97	12 x 1.50

FORD		
Contour	95-Present	12 x 1.50
Custom	65-76	1/2
Escort	84-Present	12 x 1.50
EXP	84-88	12 x 1.50
Fairlane	55-76	1/2
Fairmont	78-83	1/2
Falcon	60-70	1/2
Five Hundred	05-Present	1/2
Focus	99-Present	12 x 1.50

PASSENGER CAR APPLICATIONS

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MAKE AND MODEL	YEAR	THREAD SIZE
FORD		
Fusion	06-Present	12 x 1.50
Galaxie	60-64	1/2
Granada	75-82	1/2
LTD/Crown Victoria	65-Present	1/2
Maverick	69-77	1/2
Mustang	65-Present	1/2
Pinto	71-80	1/2
Probe	89-97	12 x 1.50
Taurus	86-Present	12 x 1.50
T-Bird	55-88	1/2
T-Bird	89-Present	12 x 1.50
Tempo	84-94	12 x 1.50
Torino	68-76	1/2
ZX2	98-Present	12 x 1.50

MAKE AND MODEL	YEAR	THREAD SIZE
GEO		
Metro	95-Present	12 x 1.25
Metro	90-94	10 x 1.25
Metro β(Convertible)	90-93	12 x 1.25
Prizm	90-Present	12 x 1.50
Spectrum	85-89	12 x 1.50
Storm	90-93	12 x 1.50

MAKE AND MODEL	YEAR	THREAD SIZE
HONDA		
All	83-Present	12 x 1.50

MAKE AND MODEL	YEAR	THREAD SIZE
HYUNDAI		
All	86-Present	12 x 1.50
INFINITI		
All (QX4 see trucks)	90-Present	12 x 1.25
ISUZU		
All	83-93	12 x 1.50
JAGUAR		
All	76-Present	1/2
S Type	99-Present	12 x 1.50
JEEP		
Compass	06-Present	12 x 1.50
KIA		
Sephia	97-Present	12 x 1.50
LEXUS		
All	90-Present	12 x 1.50
LINCOLN		
Continental	69-87	1/2
Continental	88-Present	12 x 1.50
LS	01-Present	12 x 1.50
Mark	67-92	1/2
Mark VIII	93-98	12 x 1.50
Town Car	84-Present	1/2
Versailles	77-80	1/2
Zephyr, MKZ	06-Present	12 x 1.50

PASSENGER CAR APPLICATIONS

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MAKE AND MODEL	YEAR	THREAD SIZE
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MAZDA

All	86-Present	12 x 1.50
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MERCURY

Bobcat	75-80	1/2
Capri	70-74	7/16
Capri	76-77	12 x 1.50
Capri	78-86	1/2
Capri	91-94	12 x 1.50
Comet	60-77	1/2
Cougar	67-88	1/2
Cougar	89-Present	12 x 1.50
Cyclone	67-71	1/2
Grand Marquis	91-Present	1/2
Lynx	84-87	12 x 1.50
Marquis	67-90	1/2
Merkur	85-89	12 x 1.50
Milan	06-Present	12 x 1.50
Monarch	75-80	1/2
Montclair	60-68	1/2
Montego	05-Present	1/2
Montego	68-76	1/2
Monterey	60-74	1/2
Mystique	95-Present	12 x 1.50
Sable	86-Present	12 x 1.50
Topaz	84-94	12 x 1.50
Tracer	88-Present	12 x 1.50

MAKE AND MODEL	YEAR	THREAD SIZE
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MERCURY

Zephyr	78-83	1/2
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MITSUBISHI

All	83-Present	12 x 1.50
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NISSAN/DATSUN

All	68-Present	12 x 1.25
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OLDSMOBILE

88	86-Present	12 x 1.50
98	60-84	1/2
98	85-96	12 x 1.50
Achieva	92-98	12 x 1.50
Alero	98-Present	12 x 1.50
Aurora	95-Present	12 x 1.50
Custom Cruiser	81-90	1/2
Custom Cruiser	91-95	12 x 1.50
Cutlass	64-81	7/16
Cutlass	82-Present	12 x 1.50
Delta 88	77-85	7/16 or 1/2
Firenza	82-88	12 x 1.50
Intrigue	98-Present	12 x 1.50
Omega	73-79	7/16
Omega	80-84	12 x 1.50
Regency	97-98	12 x 1.50
Starfire	75-80	7/16
Toronado	66-78	1/2

PASSENGER CAR APPLICATIONS

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MAKE AND MODEL	YEAR	THREAD SIZE
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OLDSMOBILE

Toronado	79-92	12 x 1.50
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PLYMOUTH

Acclaim	89-95	12 x 1.50
Arrow	All	12 x 1.50
Barracuda	71-76	7/16 or 1/2
Belvedere	71-76	1/2
Breeze	97-Present	12 x 1.50
Caravelle	84-89	12 x 1.50
Cricket	All	12 x 1.25
Duster	71-76	7/16 or 1/2
Fury	71-89	1/2
Horizon	78-90	12 x 1.50
Laser	90-94	12 x 1.50
Reliant	81-89	12 x 1.50
Road Runner	71-76	1/2
Sapporo	All	12 x 1.50
Satellite	71-76	1/2
Sundance	87-94	12 x 1.50
TC3	78-84	12 x 1.50
Turismo	78-88	12 x 1.50
Valiant	71-76	7/16 or 1/2
Volare	76-80	1/2

PONTIAC

6000	82-92	12 x 1.50
Astire	75-77	7/16

MAKE AND MODEL	YEAR	THREAD SIZE
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PONTIAC

Bonneville	60-76	1/2
Bonneville	77-81	7/16 or 1/2
Bonneville	82-Present	12 x 1.50
Catalina	60-76	1/2
Catalina	77-81	7/16 or 1/2
Fiero	84-88	12 x 1.50
Firebird	67-81	7/16
Firebird	82-Present	12 x 1.50
G6, SV6, Solstice	05-Present	12 x 1.50
Grand AM	73-84	7/16
Grand AM	85-Present	12 x 1.50
Grand Prix	69-81	7/16
Grand Prix	82-Present	12 x 1.50
J2000	82-84	12 x 1.50
Lemans	64-81	7/16
Parisienne	83-86	7/16
Phoenix	80-84	12 x 1.50
Safari Wagon	87-88	1/2
Sunbird	76-81	7/16
Sunbird	84-94	12 x 1.50
Sunfire	95-Present	12 x 1.50
T1000	82-87	12 x 1.50
Ventura	60-77	7/16

PORSCHE

911	98-Present	Please refer to bolt section.
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PASSENGER CAR APPLICATIONS

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MAKE AND MODEL	YEAR	THREAD SIZE
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PORSCHE

BOXSTER	97-Present	Please refer to bolt section.
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SAAB

9-2X	05-Present	12 x 1.25
9-7X	06-Present	12 x 1.50

SATURN

All (except LS)	91-Present	12 x 1.50
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SCION

XA,XB,TC	04-Present	12 x 1.50
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SUBARU

All	77-Present	12 x 1.25
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SUZUKI

Forenza, Verona, Reno	04-Present	12 x 1.50
All Others	89-Present	12 x 1.25

TOYOTA

All	68-Present	12 x 1.50
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VOLVO

S40,V40,V50	00-Present	12 x 1.50
700 and 900 Series, S90, V90	84-98	12 x 1.50
DL-240	70-93	1/2

 **PASSENGER CARS**



TRUCKS, VANS & SUVs 

TRUCK, VAN & SUV APPLICATIONS

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MAKE AND MODEL	YEAR	THREAD SIZE
ACURA		
MDX	02-06	12 x 1.50
MDX	07-Present	14 x 1.50
RDX	06-Present	12 x 1.50
SLX	96-Present	12 x 1.50

BUICK		
Enclave	2007	12 x 1.50

CADILLAC		
Escalade	99-Present	14 x 1.50
SRX	04-Present	12 x 1.50

CHEVROLET		
Astro	03-Present	14 x 1.50
Astro	85-02	1/2
Avalanche	02-Present	14 x 1.50
Blazer	92-94	14 x 1.50
Blazer 5 Lug	71-91	1/2
Blazer 6 Lug	71-91	7/16
Colorado	04-Present	12 x 1.50
El Camino	64-81	7/16
El Camino	82-87	12 x 1.50
Equinox	05-Present	12 x 1.50
Express	96-Present	14 x 1.50
Lumina APV	90-96	12 x 1.50
S-10	83-Present	12 x 1.50
S-10 Blazer	83-Present	12 x 1.50

MAKE AND MODEL	YEAR	THREAD SIZE
CHEVROLET		
Silverado	99-Present	14 x 1.50
SSR	04-Present	12 x 1.50
Suburban 5 Lug	69-70	7/16
Suburban 5 Lug	71-91	1/2
Suburban 6 Lug	69-91	7/16
Suburban 8 Lug	69-91	9/16
Suburban All	92-Present	14 x 1.50
Tahoe	95-Present	14 x 1.50
Trailblazer	02-Present	12 x 1.50
Truck 5 Lug	71-87	1/2
Truck 6 Lug	65-87	7/16
Truck 8 Lug	65-87	1/2 or 9/16
Truck All	88-98	14 x 1.50
Uplander	05-Present	12 x 1.50
Van 5 Lug	71-96	1/2
Van 6 Lug	71-96	7/16
Van 8 Lug	65-96	9/16
Van 8 Lug	71-96	1/2

CHRYSLER		
Aspen	2007	9/16
Pacifica, PT Cruiser	00-Present	12 x 1.50
Town & Country	71-81	1/2
Town & Country	82-Present	12 x 1.50

DODGE		
Caravan/Grand Caravan	84-Present	12 x 1.50

TRUCK, VAN & SUV APPLICATIONS

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MAKE AND MODEL	YEAR	THREAD SIZE
DODGE		
D50	75-94	12 x 1.50
Dakota	05-Present	9/16
Dakota	87-04	1/2
Durango	04-Present	9/16
Durango	98-03	1/2
Nitro	2007	1/2
Raider	87-89	12 x 1.50
Ram Van	71-Present	1/2
Ram Van 2500/3500	94-Present	9/16
Ramcharger	71-92	1/2
Rampage	82-84	12 x 1.50
Truck	02-Present	9/16
Truck	71-93	1/2
Truck 1500	94-Present	1/2
Truck 2500/3500	94-Present	9/16

FORD		
Aerostar	86-97	1/2
Bronco	66-96	1/2
Bronco II	83-90	1/2
Courier	77-83	12 x 1.50
Edge	07-Present	1/2
Escape	01-Present	12 x 1.50
Excursion	03-Present	14 x 1.50
Excursion	00-02	14 x 2.00
Expedition	97-2000	12 x 1.75

MAKE AND MODEL	YEAR	THREAD SIZE
FORD		
Expedition	2000 1/2-Present	14 x 2.00
Explorer	91-Present	1/2
Freestar, Freestyle	04-Present	1/2
Ranger	83-Present	1/2
Superduty (F-250, F-350)	03-Present	14 x 1.50
Superduty (F-250, F-350)	98-02	14 x 2.00
Truck 5 Lug	55-96	1/2
Truck 8 Lug	84-98	1/2
Truck 8 Lug	84-98	9/16
Truck F-150 Light Duty F-250	97-2000	12 x 1.75
Truck F-150 Light Duty F-250 2000 1/2-Present		14 x 2.00
Van 5 Lug	62-Present	1/2
Van 8 Lug	62-Present	1/2
Van 8 Lug	62-Present	9/16
Windstar	94-Present	12 x 1.50

GEO		
Tracker	89-Present	12 x 1.25

GMC		
Acadia	2007	14 x 1.50
Caballero	64-81	7/16
Caballero	82-87	12 x 1.50
Canyon	04-Present	12 x 1.50
Denali	98-Present	14 x 1.50
Envoy	99-Present	12 x 1.50
Hummer H2	03-Present	14 x 1.50

TRUCK, VAN & SUV APPLICATIONS

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MAKE AND MODEL	YEAR	THREAD SIZE
GMC		
Hummer H3	06-Present	12 x 1.50
Jimmy 5 Lug	69-70	7/16
Jimmy 5 Lug	71-91	1/2
Jimmy 6 Lug	71-91	7/16
S-15, Sonoma, Jimmy	83-Present	12 x 1.50
Safari	03-Present	14 x 1.50
Safari	85-02	1/2
Savana	96-Present	14 x 1.50
Sierra	99-Present	14 x 1.50
Suburban 5 Lug	69-70	7/16
Suburban 5 Lug	71-91	1/2
Suburban 6 Lug	71-91	7/16
Suburban 8 Lug	71-91	9/16
Suburban All	92-Present	14 x 1.50
Truck	88-98	14 x 1.50
Truck 5 Lug	71-87	1/2
Truck 6 Lug	60-87	7/16
Truck 8 Lug	65-87	1/2
Truck 8 Lug	65-87	9/16
Vandura 5 Lug	71-96	1/2
Vandura 6 Lug	71-96	7/16
Vandura 8 Lug	71-96	1/2
Vandura 8 Lug	71-96	9/16
Yukon	92-Present	14 x 1.50

MAKE AND MODEL	YEAR	THREAD SIZE
HONDA		
CRV	95-Present	12 x 1.50
Element	02-Present	12 x 1.50
Odyssey	05-Present	14 x 1.50
Odyssey, CRV, Passport	94-04	12 x 1.50
HONDA		
Pilot	02-Present	12 x 1.50
Ridgeline	06-Present	14 x 1.50
INFINITI		
QX4	97-Present	12 X 1.25
ISUZU		
Hombre, Trooper, Rodeo	83-Present	12 x 1.50
JEEP		
All 5 Lug	All	1/2
All 6 Lug	All	7/16
Truck 8 Lug	All	1/2
KIA		
Sportage	95-Present	12 x 1.50
LEXUS		
LX450, RX300	97-Present	12 x 1.50
LX470	98-Present	14 x 1.50
LINCOLN		
Aviator	03-Present	1/2
MKX	2007	1/2

TRUCK, VAN & SUV APPLICATIONS

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MAKE AND MODEL	YEAR	THREAD SIZE
LINCOLN		
Blackwood	2002-2003	14 x 2.00
Mark LT	05-Present	14 x 2.00
Navigator	98-2000	12 x 1.75
Navigator	2000 1/2-Present	14 x 2.00

MAZDA		
MPV	90-98	12 x 1.50
Navajo	91-95	1/2
Tribute	01-Present	12 x 1.50
Truck B2000, B2200, B2600i	79-93	12 x 1.50
Truck B2300, B3000, B4000	94-Present	1/2

MERCURY		
Mountaineer	97-Present	1/2
Villager	93-Present	12 x 1.25

MITSUBISHI		
Raider	06-Present	9/16
All	83-Present	12 x 1.50

NISSAN		
Armada	2007	12 x 1.75
Frontier, Pathfinder, Quest, Truck, Xterra	72-Present	12 x 1.25

OLDSMOBILE		
Bravada	91-Present	12 x 1.50
Silhouette	90-Present	12 x 1.50

MAKE AND MODEL	YEAR	THREAD SIZE
PLYMOUTH		
Arrow	79-83	12 x 1.50
Trail Duster	71-87	1/2
Voyager	84-Present	12 x 1.50
Voyager Full Size	77-87	1/2

PONTIAC		
Aztek	01-Present	12 x 1.50
Torrent	06-Present	12 x 1.50
Trans Sport/Montana	90-Present	12 x 1.50
Vibe	03-Present	12 x 1.50

SATURN		
Outlook	2007	14 x 1.50
Vue, Relay	02-Present	12 x 1.50

SUZUKI		
All	86-Present	12 x 1.25
XL-7	2007	12 x 1.50

TOYOTA		
All Others	69-Present	12 x 1.50
Land Cruiser	98-Present	14 x 1.50
Tundra	07-Present	14 x 1.50

LUG BOLT APPLICATIONS

ATTENTION: The information provided is **ONLY** a guide. To insure proper lug nut, lug bolt or wheel lock selection, refer to your current lug nut to determine correct lug nut style and thread size for your vehicle.

MAKE AND MODEL	YEAR	THREAD SIZE
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AUDI

4000	80-87	12 x 1.50
5000, Quattro, Coupe	80-87	14 x 1.50
A4, A6, A8, TT, Q7	97-Present	14 x 1.50
All Others	88-96	14 x 1.50
Fox	74-79	12 x 1.50

BMW

6 Series, 7 Series	02-Present	14 x 1.50
X3, X5	01-Present	14 x 1.50
All	77-Present	12 x 1.50

CADILLAC

Catera	97-Present	12 x 1.50
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CHRYSLER

Crossfire	04-Present	12 x 1.50
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FORD

Aspire	95-97	12 x 1.50
Fiesta	77-80	12 x 1.50
Festiva	88-93	12 x 1.50

MINI COOPER

All	02-06	12 x 1.50
All	07-Present	14 x 1.25

MAKE AND MODEL	YEAR	THREAD SIZE
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MERCEDES-BENZ

190	84-94	12 x 1.50
260 & 300 Series	86-Present	12 x 1.50
400 & 500 Series	86-Present	12 x 1.50

VOLKSWAGEN

All Models - 4 Lug Bolts	97-Present	12 x 1.50
All Models - 5 Lug Bolts	97-Present	14 x 1.50
Corrado, Jetta, Passat - 4 Lug Bolts	90-96	12 x 1.50
Corrado, Jetta, Passat V6 - 5 Lug Bolts	92-96	14 x 1.50
Dasher	All	12 x 1.50
Fox, Golf, Quantum, Rabbit, Scirocco	81-96	12 x 1.50
Fox, Golf, Quantum, Scirocco	88-96	12 x 1.50
Rabbit & Scirocco	75-80	12 x 1.50

VOLVO

S60	93-Present	14 x 1.50
V70, XC70, S80, XC90	00-Present	14 x 1.50

PROPER INSTALLATION TIPS

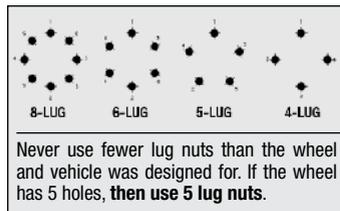
BEFORE YOU BEGIN

Clean and inspect all stud threads and mounting surfaces before installation. Threads must not be lubricated, but must be free of corrosion, rust, burrs, fractures and damaged threads. Replace studs if they are corroded, stripped, damaged, or if any fractures are found. Always use new fasteners (lug nuts or lug bolts) when installing new wheels.



Lug nuts must be tightened in a star or crisscross pattern to ensure uniform pressure and alignment. Apply torque evenly by repeating the star or crisscross pattern until desired torque is reached.

During installation, gravity causes the wheel to rest upon the highest stud. If the wheel is clamped down off-centered, it can be dangerous and damaging to your wheels and tires over time.



Never use fewer lug nuts than the wheel and vehicle was designed for. If the wheel has 5 holes, **then use 5 lug nuts.**

Do not allow the wheel to “hang” on studs during the initial tightening; make certain wheel is centered and wheel supported prior to tightening fasteners.

PROPER INSTALLATION TIPS

TORQUE GUIDELINES

A calibrated torque device must be used to achieve proper torque specifications.

Use Original Equipment Manufacturer’s torque specification. If it is not specified in the vehicle owner’s manual contact the vehicle manufacturer. If the Original Manufacturer does not provide a specification, check with the aftermarket wheel manufacturer for a specification.

In the event that neither the vehicle manufacturer nor the aftermarket wheel manufacturer give you the specification, the following **MAY** serve as a guideline for passenger cars and light-trucks only:

Stud Diameter	Torque Range (Ft/lbs)
12MM	75 - 85
14MM	85 - 95
7/16"	70 - 80
1/2"	75 - 85
9/16"	105 - 115
5/8"	125 - 135

IMPORTANT: Check new fasteners against the vehicle wrench making sure they are same size. If the new fasteners have a different hex size than the original equipment wrench provided with vehicle, be sure to advise the customer that a correct size wrench will be required to remove the new aftermarket fasteners being installed.

(more installation information on next page)



AFTER INSTALLATION

Fasteners should be retorqued at about 25 miles. Retorquing must be done at any time the fasteners are removed. Write the specified torque requirement on owner's wheel documents and review the complete instructions with the customer.



Advise the customer to keep the documents with the vehicle owner's manual and pass it along to any new owner of the vehicle.

If wheel locks are installed, make sure the key is given to the customer. It is always a good idea to have the customer review, initial and sign the safety checklist provided by the wheel manufacturer.



Each set of Gorilla Locks comes with a key code label, complete with ordering information for replacement keys.



The telescoping handle, 21" fully extended, provides the leverage to remove even the tightest lug nuts with ease.

200% MORE TORQUE THAN A STANDARD LUG WRENCH

- Telescoping handle extends to 21 inches for maximum leverage
- Compacts to 14 inches for easy storage
- Hardened steel and precision constructed
- A perfect replacement for your standard lug wrench

PART NO. **1721** INCLUDES:

- 1/2" Power Wrench
- 2 Dual Sockets:

17mm
19mm (3/4")
21mm (13/16")
23mm (7/8")



Gorilla Power Wrench kit includes a polybag case for convenient storage.

1/2" DRIVE

Works with all Gorilla Thin Wall Sockets