



LUG NUTS

GORILLA
AUTOMOTIVE PRODUCTS

WHEEL LOCKS

APPLICATION GUIDE



- Performance engineered for maximum wheel security
- Patented key search for easy lock-up

- Case hardened and slip drive steel for lasting durability
- Key search (patented) wheel removal

Because It's a Jungle Out There!



Protecting the world's finest wheels for over 35 years!

How to select the lug nut or wheel lock

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.

1

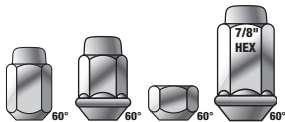
Cone Seat



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

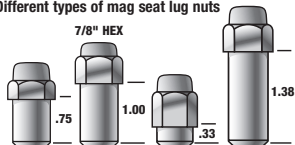
Mag Seat



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)

For information about our additional products
visit us online at: www.gorilla-auto.com

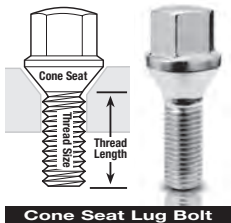
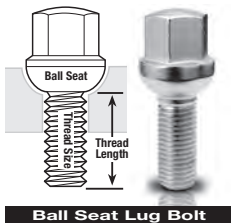
for your vehicle in 2 easy steps.

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.

PASSENGER CAR 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
ACURA		
RL	05-Present	14 x 1.50
TL	09-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	82-05	12 x 1.50
Electra	60-84	1/2
Electra	85-90	12 x 1.50
Lacrosse	05-09	12 x 1.50
Lacrosse	10-Present	14 x 1.50
LeSabre	60-76	1/2
LeSabre	77-85	7/16
LeSabre	86-05	12 x 1.50
Lucerne	05-Present	12 x 1.50
Wildcat	60-76	1/2

MAKE AND MODEL	YEAR	THREAD SIZE
BUICK (continued)		
Riviera	79-99	12 x 1.50
Roadmaster	91-96	12 x 1.50
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
Verano	12-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	03-07	12 x 1.50
CTS, CTS-V	08-Present	14 x 1.50
Cimarron	81-88	12 x 1.50
DTS	06-11	12 x 1.50
Deville	62-84	1/2
Deville	85-05	12 x 1.50
Elkwood	63-78	1/2

PASSENGER CAR APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
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ACURA

RL	05-Present	14 x 1.50
TL	09-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	82-05	12 x 1.50
Electra	60-84	1/2
Electra	85-90	12 x 1.50
Lacrosse	05-09	12 x 1.50
Lacrosse	10-Present	14 x 1.50
LeSabre	60-76	1/2
LeSabre	77-85	7/16
LeSabre	86-05	12 x 1.50
Lucerne	05-Present	12 x 1.50
Opel	68-79	12 x 1.50
Park Avenue	91-05	12 x 1.50
Reatta	88-92	12 x 1.50
Regal	77-81	7/16
Regal	82-04	12 x 1.50
Regal	11-Present	14 x 1.50
Riviera	63-78	1/2

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MAKE AND MODEL	YEAR	THREAD SIZE
BUICK(continued)		
Riviera	79-99	12 x 1.50
Roadmaster	91-96	12 x 1.50
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
Verano	12-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	03-07	12 x 1.50
CTS, CTS-V	08-Present	14 x 1.50
Cimarron	81-88	12 x 1.50
DTS	06-11	12 x 1.50
Deville	62-84	1/2
Deville	85-05	12 x 1.50
Eldorado	53-78	1/2
Eldorado	79-02	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	80-04	12 x 1.50
XLR, XLR-V, STS	04-11	12 x 1.50

PASSENGER CAR APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
CHEVROLET		
Aveo	04-11	12 x 1.50
Bel Air, Biscayne	54-70	7/16
Beretta	88-96	12 x 1.50
Camaro	67-81	7/16
Camaro	82-02	12 x 1.50
Camaro	10-Present	14 x 1.50
Caprice	68-76	1/2
Caprice	77-90	7/16 or 1/2
Caprice	91-96	12 x 1.50
Cavalier	82-05	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	05-11	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
Cruze	11-Present	12 x 1.50
HHR	06-11	12 x 1.50
Impala	58-70	7/16
Impala	77-84	7/16 or 1/2
Impala	94-Present	12 x 1.50
Impala, Bel Air, Biscayne	71-76	1/2
Lumina	89-01	12 x 1.50
Malibu	82-Present	12 x 1.50

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MAKE AND MODEL	YEAR	THREAD SIZE
CHEVROLET (continued)		
Monte Carlo	70-81	7/16
Monte Carlo	82-07	12 x 1.50
Monza	75-81	7/16
Nova	86-89	12 x 1.50
Nova, Chevy II	62-79	7/16
Sonic	12-Present	12 x 1.50
Sprint	85-93	10 x 1.25
Vega	71-77	7/16
Volt	11-Present	12 x 1.50

CHRYSLER

200	11-Present	12 x 1.50
300	05-Present	14 x 1.50
300M	99-04	12 x 1.50
Cirrus	95-00	12 x 1.50
Concorde	93-04	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	93-01	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	95-10	12 x 1.50

PASSENGER CAR APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
DAEWOO		
Leganza, Nubira, Lanos	99-Present	12 x 1.50
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
Challenger	08-Present	14 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	93-04	12 x 1.50
Lancer	85-89	12 x 1.50
Magnum	06-09	14 x 1.50

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MAKE AND MODEL	YEAR	THREAD SIZE
DODGE		
Magnum	71-79	1/2
Mirada	79-83	1/2
Monaco	71-78	1/2
Monaco	90-92	12 x 1.50
Neon	94-05	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	95-06	12 x 1.50
Viper	92-10	1/2

EAGLE

All	88-97	12 x 1.50
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FORD

Contour	95-00	12 x 1.50
Custom	65-76	1/2
Escort	84-03	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
Fiesta	11-Present	12 x 1.50
Five Hundred	05-07	1/2

PASSENGER CAR APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
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FORD

Focus	99-Present	12 x 1.50
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	86-06	12 x 1.50
Taurus	08-Present	1/2
T-Bird	55-88	1/2
T-Bird	89-06	12 x 1.50
Tempo	84-94	12 x 1.50
Torino	68-76	1/2

GEO

Metro	90-94	10 x 1.25
Metro	95-Present	12 x 1.25
Metro (convertible)	90-93	12 x 1.25
Prizm	90-02	12 x 1.50
Spectrum	85-89	12 x 1.50
Storm	90-93	12 x 1.50

HONDA

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

All	86-Present	12 x 1.50
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INFINITI

All	90-Present	12 x 1.25
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ISUZU

All	83-93	12 x 1.50
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JAGUAR

All	76-97	1/2
S Type	99-08	12 x 1.50
X Type	02-09	12 x 1.50
XF	08-Present	12 x 1.50
XJ	91-03	1/2
XJ	04-Present	12 x 1.50
XK8, XKR	97-06	1/2
XK, XKR	07-Present	12 x 1.50

KIA

All	90-Present	12 x 1.50
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LEXUS

All (exc. LS460)	90-Present	12 x 1.50
LS460, 460h	07-Present	14 x 1.50

LINCOLN

Continental	69-87	1/2
Continental	88-02	12 x 1.50
LS	01-06	12 x 1.50
Mark	67-92	1/2

PASSENGER CAR APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
LINCOLN (continued)		
Mark VIII	93-98	12 x 1.50
Town Car	84-Present	1/2
MKS	09-Present	1/2
Versailles	77-80	1/2
Zephyr, MKZ	06-Present	12 x 1.50

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	89-02	12 x 1.50
Cyclone	67-71	1/2
Grand Marquis	91-11	1/2
Lynx	84-87	12 x 1.50
Marquis	67-90	1/2
Merkur	85-89	12 x 1.50
Milan	06-11	12 x 1.50
Monarch	75-80	1/2
Montclair	60-68	1/2
Montego	05-07	1/2
Montego	68-76	1/2

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MAKE AND MODEL	YEAR	THREAD SIZE
MERCURY (continued)		
Monterey	60-74	1/2
Mystique	95-00	12 x 1.50
Sable	86-05	12 x 1.50
Sable	08-09	1/2
Topaz	84-94	12 x 1.50
Tracer	88-99	12 x 1.50
Zephyr	78-83	1/2

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	86-99	12 x 1.50
98	60-84	1/2
98	85-96	12 x 1.50
Achieva	92-98	12 x 1.50
Alero	98-04	12 x 1.50
Aurora	95-03	12 x 1.50
Custom Cruiser	81-90	1/2
Custom Cruiser	91-95	12 x 1.50
Cutlass	64-81	7/16
Cutlass	82-99	12 x 1.50
Delta 88	77-85	7/16 or 1/2
Firenza	82-88	12 x 1.50
Intrigue	98-02	12 x 1.50

PASSENGER CAR APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
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OLDSMOBILE (continued)

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
Toronado	79-92	12 x 1.50

PLYMOUTH

Acclaim	89-95	12 x 1.50
Barracuda	71-76	7/16 or 1/2
Belvedere	71-76	1/2
Breeze	97-01	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
Neon	95-01	
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

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MAKE AND MODEL	YEAR	THREAD SIZE
PONTIAC		
6000	82-92	12 x 1.50
Astire	75-77	7/16
Bonneville	60-76	1/2
Bonneville	77-81	7/16 or 1/2
Bonneville	82-05	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	82-02	12 x 1.50
G3, G5, G6, Solstice	05-10	12 x 1.50
G8	08-09	14 x 1.50
Grand AM	73-84	7/16
Grand AM	85-05	12 x 1.50
Grand Prix	69-81	7/16
Grand Prix	82-08	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	95-05	12 x 1.50
T1000	82-87	12 x 1.50
Ventura	60-77	7/16

PASSENGER CAR APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
SAAB		
9-2X	05-06	12 x 1.25
9-3	99-Present	12 x 1.50
9-5	99-09	12 x 1.50
9-5	11-Present	14 x 1.50
SATURN		
All	91-09	12 x 1.50
SCION		
All	04-Present	12 x 1.50
SUBARU		
All	77-Present	12 x 1.25
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
VOLVO		
C30	08-Present	12 x 1.50
C70	06-Present	12 x 1.50
S40, V40, V50	95-11	12 x 1.50
700 & 900 Series, S90, V90	84-98	12 x 1.50
DL-240	70-93	1/2

TRUCK, VAN & SUV APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
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ACURA

MDX	02-06	12 x 1.50
MDX	07-Present	14 x 1.50
RDX	07-Present	12 x 1.50
SLX	96-00	12 x 1.50
ZDX	10-Present	14 x 1.50

BUICK

Enclave	08-Present	14 x 1.50
Rainier	04-07	12 x 1.50
Rendezvous	02-07	12 x 1.50
Terraza	05-Present	12 x 1.50

CADILLAC

Escalade, Escalade Hybrid	99-Present	14 x 1.50
SRX	04-09	12 x 1.50
SRX	10-Present	14 x 1.50

CHEVROLET

Astro	02-05	14 x 1.50
Astro	85-01	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	05-09	12 x 1.50

TRUCK, VAN & SUV APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
CHEVROLET (continued)		
Equinox	10-Present	14 x 1.50
Express	96-Present	14 x 1.50
Lumina APV	90-96	12 x 1.50
S-10	83-04	12 x 1.50
S-10 Blazer	83-05	12 x 1.50
Silverado	99-Present	14 x 1.50
SSR	04-06	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	02-09	12 x 1.50
Traverse	08-Present	14 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	05-09	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

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MAKE AND MODEL	YEAR	THREAD SIZE
CHRYSLER		
Aspen	07-09	9/16
Pacifica, PT Cruiser	00-10	12 x 1.50
Town & Country	82-Present	12 x 1.50

DODGE		
Caravan/Grand Caravan	84-Present	12 x 1.50
D50	75-94	12 x 1.50
Dakota	05-11	9/16
Dakota	87-04	1/2
Durango	11-Present	14 x 1.50
Durango	04-09	9/16
Durango	98-03	1/2
Journey	09-Present	12 x 1.50
Nitro	07-11	1/2
Raider	87-89	12 x 1.50
Ram Van	71-Present	1/2
Ram Van 2500/3500	94-Present	9/16
Ramcharger	74-93	1/2
Rampage	82-84	12 x 1.50
Ram	72-93	1/2
Ram 1500	94-01	1/2
Ram 1500	02-Present	9/16
Ram 2500/3500	94-Present	9/16

FORD		
Aerostar	86-97	1/2
Bronco	66-96	1/2

TRUCK, VAN & SUV APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
FORD (continued)		
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	00-02	14 x 2.00
Excursion	03-05	14 x 1.50
Expedition	97-2000	12 x 1.75
Expedition	2000 1/2-Present	14 x 2.00
Explorer	91-Present	1/2
F-150	97-2000	12 x 1.75
F-150	2000 1/2-Present	14 x 2.00
F-350 Dually	99-04	14 x 2.00
F-350 Dually	05-Present	14 x 1.50
Flex	09-Present	1/2
Freestar, Freestyle	04-09	1/2
Ranger	83-Present	1/2
Superduty (F-250, F-350)	98-02	14 x 2.00
Superduty (F-250, F-350)	03-Present	14 x 1.50
Transit Connect	10-Present	12 x 1.50
Truck 5 Lug	55-96	1/2
Truck 8 Lug	84-98	1/2 or 9/16
Van 5 Lug	62-Present	1/2
Van 8 Lug	62-Present	1/2 or 9/16
Windstar	94-03	12 x 1.50

GEO

Tracker	89-Present	12 x 1.25
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MAKE AND MODEL	YEAR	THREAD SIZE
GMC		
Acadia	08-Present	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
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	03-05	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	92-99	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

TRUCK, VAN & SUV APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
GMC (continued)		
Vandura 6 Lug	71-96	7/16
Vandura 8 Lug	71-96	1/2
Vandura 8 Lug	71-96	9/16
Terrain	10-Present	14 x 1.50
Yukon/Yukon XL	92-Present	14 x 1.50

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
Pilot	02-08	12 x 1.50
Pilot	09-Present	14 x 1.50
Ridgeline	06-Present	14 x 1.50

HUMMER

Hummer H2	03-Present	14 x 1.50
Hummer H3	06-Present	12 x 1.50

HYUNDAI

All	01-Present	12 x 1.50
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INFINITI

All	97-Present	12 X 1.25
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ISUZU

Hombre, Trooper, Rodeo	83-Present	12 x 1.50
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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
JEEP		
All 5 Lug	All	1/2
All 6 Lug	All	7/16
Compass, Patriot	07-Present	12 x 1.50
Grand Cherokee	11-Present	14 x 1.50
Truck 8 Lug	All	1/2

KIA

Sportage	95-Present	12 x 1.50
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LAND ROVER

Discovery, LR2, LR3, LR4, Range Rover	96-Present	14 x 1.50
Free Lander	02-05	12 x 1.50

LEXUS

LX450, GX, RX	97-Present	12 x 1.50
LX470, LX570	98-Present	14 x 1.50

LINCOLN

Aviator	03-05	1/2
MKT, MKX	07-Present	1/2
Blackwood	02-03	14 x 2.00
Mark LT	06-08	14 x 2.00
Navigator	98-99	12 x 1.75
Navigator	00-Present	14 x 2.00
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

TRUCK, VAN & SUV APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
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MAZDA

MPV	90-06	12 x 1.50
Navajo	91-95	1/2
Tribute, CX7, CX9, 5	01-Present	12 x 1.50
B2000, B2200, B2600i	79-93	12 x 1.50
B2300, B3000, B4000	94-Present	1/2

MERCURY

Mariner	05-11	12 x 1.50
Monterey	04-07	12 x 1.50
Mountaineer	97-11	1/2
Villager	93-02	12 x 1.25

MITSUBISHI

All (except Raider)	83-Present	12 x 1.50
Raider	06-09	9/16

NISSAN

All	72-Present	12 x 1.25
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OLDSMOBILE

Bravada	91-04	12 x 1.50
Silhouette	94-04	12 x 1.50

PLYMOUTH

Arrow	79-83	12 x 1.50
Trail Duster	71-87	1/2
Voyager Full Size	77-87	1/2
Voyager/Grand Voyager	84-01	12 x 1.50

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
PONTIAC		
Aztek	01-05	12 x 1.50
Torrent	06-09	12 x 1.50
Trans Sport/Montana, SV6	90-06	12 x 1.50
Vibe	03-10	12 x 1.50
SAAB		
9-7X	05-09	12 x 1.50
9-4X	11-Present	14 x 1.50
SATURN		
Outlook	07-09	14 x 1.50
Vue, Relay	02-09	12 x 1.50
SUZUKI		
All	86-Present	12 x 1.25
TOYOTA		
All Others	69-Present	12 x 1.50
Land Cruiser	98-Present	14 x 1.50
Tundra	07-Present	14 x 1.50
VOLKSWAGEN		
Routan	09-Present	12 x 1.50

LUG BOLT APPLICATIONS

MAKE AND MODEL	YEAR	THREAD SIZE
AUDI		
4000	80-87	12 x 1.50
5000, Quattro, Coupe	80-87	14 x 1.50
A3, A4, A5, A6, A8, Q7, S4, S5, S6, TT	97-Present	14 x 1.50
All Others	88-96	14 x 1.50

BMW

6 Series, 7 Series	02-08	14 x 1.50
6 Series, 7 Series	09-Present	14 x 1.25
X3	04-Present	14 x 1.50
X5	00-2006 1/2	14 x 1.50
X5	2006 1/2-Present	14 x 1.25
X6	08-Present	14 x 1.25
All Others	77-Present	12 x 1.50

CADILLAC

Catera	97-01	12 x 1.50
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CHRYSLER

Crossfire	04-08	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

THREAD ENGAGEMENT: *Every bolt must be long enough to thread a length at least equal to the bolt diameter.
A 14mm bolt must have at least 14mm of thread engagement.*

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
MINI COOPER		
All	02-06	12 x 1.50
All (Exc. Countryman)	07-Present	14 x 1.25
Countryman	11-Present	12 x 1.50

MERCEDES-BENZ		
C-Class	84-07	12 x 1.50
C-Class	08-Present	14 x 1.50
CL, CLS	97-Present	14 x 1.50
CLK, SLK	98-Present	12 x 1.50
E-Class	86-01	12 x 1.50
E-Class	02-Present	14 x 1.50
S-Class	92-Present	14 x 1.50
SL	94-06	12 x 1.50
SL	07-Present	14 x 1.50
SL AMG	03-Present	14 x 1.50
G, GL, GLK, ML, R	All	14 x 1.50

VOLKSWAGEN		
All Models - 4 Lug Bolts	75-03	12 x 1.50
All Models - 5 Lug Bolts	92-Present	14 x 1.50

VOLVO		
C70	01-04	12 x 1.75
C70	2005	14 x 1.50
S60	93-Present	14 x 1.50
V70, XC60, XC70, XR70, S80, XC90	00-Present	14 x 1.50

PROPER INSTALLATION TIPS

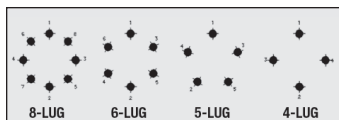
BEFORE YOU BEGIN

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.



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.

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

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.

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.

GORILLA POWER WRENCH



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



35 YEARS STRONG



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