

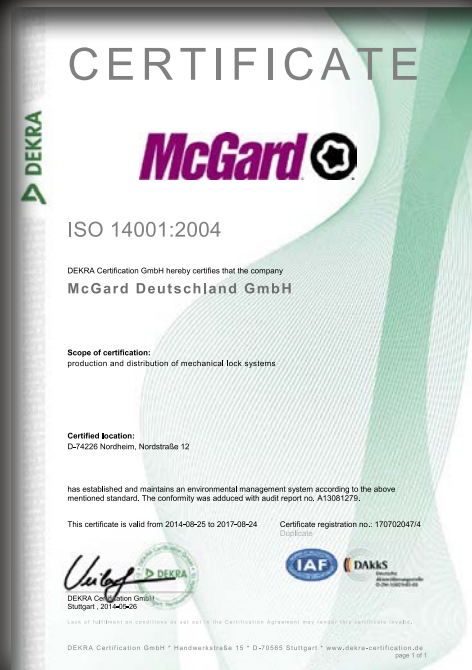
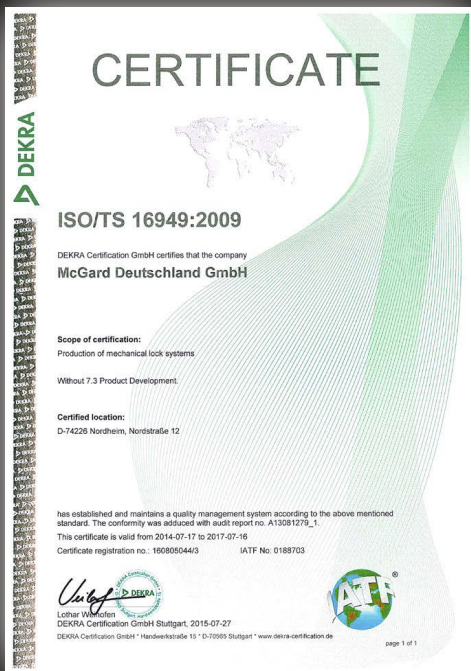
McGard 



PRODUCTS 2017

Quality & Safety

McGard GmbH, established in 1994, is the leading manufacturer of high quality security products. Our wheel locks provide the highest level of protection against costly wheel and tire theft. Our lug nuts are built to last a lifetime. Our customers include the finest North American, Japanese and European automotive manufacturers, as well as government agencies, the military, municipalities and the fuel industry. Over the years we have received dozens of quality awards from car companies in the world over. McGard GmbH in Germany is now ISO/TS 16949 certified which encompasses and exceeds the elements of the ISO 9000 and 9001 certifications McGard previously attained. We are also concerned about our environment and our Environmental Management System is in conformance with ISO 14001:2004.



Quality Policy Statement

McGard produces the highest quality products at the most reasonable cost to meet our customers' needs. We strive to continually improve ourselves and our products while targeting our zero defects goal.

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McGard

has been the leading manufacturer of wheel lock systems for more than 40 years.



Aftermarket

McGard invented its unique one-piece wheel lock for the automotive aftermarket in 1963. It functions like an existing lug nut, but requires a special key tool for removal. Our wheel lock is easy to use, yet provides a high level of wheel & tire security. It's also adaptable enough to allow for an unlimited number of different computer designed lock and key patterns.

McGard employs the same innovative design & high quality standards used in the production of wheel locks to manufacture chrome plated lug nuts. In-house plating technology and experienced personnel enable McGard to produce superior quality lug nuts in large volumes that are strong, safe, durable and exceed typical corrosion resistance standards.

OEM Products



In 1977, McGard entered the automotive OEM market with a lock for Cadillac's stainless steel wire wheel covers. Since then, we've become a major supplier of wheel locks to automotive OEMs in domestic and overseas markets, currently selling to over 30 automobile brand names. Our success with wheel lock technology has led to the development of other security locks for the automotive market including: Navigation Systems; License Plates and Frames; Air Bags; Spare Tires on light-duty trucks, SUV's & vans; pickup truck Tailgates; Winches; Wheel Covers; Driving Lights; heavy-duty truck Air Cleaners.

A HIGH SECURITY



SPD - Special Applications



In 1980 McGard established its Special Products Division. Our unique line of non-automotive/marine applications provide innovative security solutions for access/perimeter control and theft/removal prevention for municipalities, public utilities, the oil field industry, high security facilities, electronics and telecommunications equipment.

Marine

McGard offers the most complete line of marine security fasteners in the industry. These products include Stern Drive Locks, Propeller Locks, and Outboard Motor Locks. Machined from stainless steel and naval brass, these products are built to withstand the demands of a harsh marine environment. Chrome plated Trailer Wheel Locks and matching Lug Nuts are also offered.



The Original

The Original - SU

Our distinctive classic version with chrome head.
Available in more than 120 different part numbers
and hundreds of different codes.



The Original



The Original

Wheel Lock Bolts SU

Thread Size	Seat	Shaft Length	Hex Size	Part No.
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Cone Seat 60°

M12x1.25	60°	22.0 mm	17 mm	27216SU
M12x1.25	60°	22.0 mm	19 mm	27170SU
M12x1.25	60°	25.6 mm	19 mm	27261SU
M12x1.25	60°	29.2 mm	17 mm	27215SU
M12x1.25	60°	29.2 mm	19 mm	27169SU
M12x1.25	60°	35.6 mm	19 mm	27185SU
M12x1.25	60°	40.6 mm	17 mm	27232SU
M12x1.25	60°	47.8 mm	19 mm	27180SU
M12x1.5	60°	18.2 mm	17 mm	27203SU
M12x1.5	60°	18.2 mm	21 mm	27100SU
M12x1.5	60°	22.1 mm	17 mm	27204SU
M12x1.5	60°	25.5 mm	17 mm	27179SU
M12x1.5	60°	25.5 mm	19 mm	27207SU
M12x1.5	60°	27.9 mm	17 mm	27221SU
M12x1.5	60°	31.8 mm	17 mm	27015SU
M12x1.5	60°	36.3 mm	17 mm	27112SU
M12x1.5	60°	36.3 mm	21 mm	27111SU
M12x1.5	60°	40.4 mm	17 mm	27013SU
M12x1.5	60°	45.0 mm	17 mm	27252SU
M12x1.5	60°	49.2 mm	17 mm	27014SU
M12x1.75	60°	29.0 mm	19 mm	27186SU
M14x1.25	60°	27.3 mm	17 mm	27226SU
M14x1.25	60°	32.0 mm	17 mm	27229SU
M14x1.25	60°	37.0 mm	17 mm	27230SU
M14x1.25	60°	42.0 mm	17 mm	27244SU
M14x1.25	60°	47.0 mm	17 mm	27231SU
M14x1.5	60°	24.0 mm	17 mm	27184SU
M14x1.5	60°	27.3 mm	17 mm	27222SU
M14x1.5	60°	29.0 mm	17 mm	27181SU
M14x1.5	60°	31.0 mm	17 mm	27205SU
M14x1.5	60°	31.0 mm	19 mm	27000SU
M14x1.5	60°	39.0 mm	17 mm	27183SU
M14x1.5	60°	44.0 mm	17 mm	27209SU
M14x1.5	60°	49.0 mm	17 mm	27208SU



TIP

Find quickly and easily the correct McGard lock with the help of our application guide or use our configurator for wheel locks on www.mcgard.de

Thread Size	Seat	Shaft Length	Hex Size	Part No.
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Flat Seat

M12x1.25	flat	34.5 mm	17 mm	26002SU
M12x1.25	flat	34.5 mm	19 mm	26001SU
M12x1.25	flat	42.2 mm	19 mm	26000SU
M12x1.5	flat	32.3 mm	17 mm	26003SU



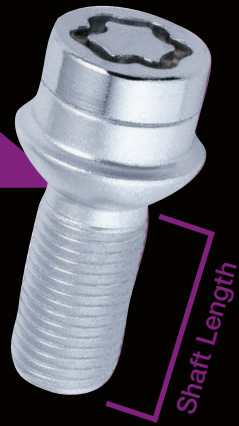
The Original



Thread Size	Seat	Shaft Length	Hex Size	Part No.
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Radius Seat

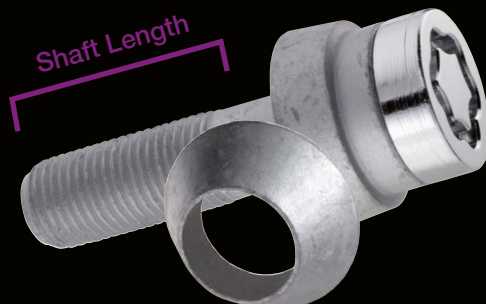
M12x1.5	R12	20.6 mm	17 mm	28176SU
M12x1.5	R13	23.3 mm	17 mm	28175SU
M12x1.5	R12	24.1 mm	17 mm	28028SU
M12x1.5	R12	27.9 mm	17 mm	28172SU
M12x1.5	R12	36.0 mm	17 mm	28026SU
M12x1.5	R12	39.9 mm	17 mm	28023SU
M12x1.5	R12	44.5 mm	17 mm	28037SU
M12x1.5	R12	49.5 mm	17 mm	28038SU
M12x1.5	R12	56.0 mm	17 mm	28027SU
M14x1.5	R13	26.7 mm	17 mm	28018SU
M14x1.5	R14	27.0 mm	17 mm	28174SU
M14x1.5	R14	28.3 mm	19 mm	28177SU
M14x1.5	R12	31.8 mm	17 mm	28020SU
M14x1.5	R12	34.5 mm	17 mm	28032SU
M14x1.5	R14 washer	37.1mm	19 mm	28044SU
M14x1.5	R12	41.0 mm	17 mm	28025SU
M14x1.5	R14	45.0 mm	17 mm	28017SU
M14x1.5	R12	48.9 mm	17 mm	28042SU
M14x1.5	R12	53.9 mm	17 mm	28043SU



Thread Size	Seat	Shaft Length	Hex Size	Part No.
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PCD variation bolts

M12x1.25	60°	30.0 mm	17 mm	27562SU
M12x1.5	60°	30.0 mm	17 mm	27563SU
M14x1.5	60°	30.0 mm	17 mm	27564SU



Wheel Lock Nuts SU

Thread Size	Total Length	Hex Size	Part No.
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Cone Seat 60°

7/16- 20	37.0 mm	19 mm	24132SU
1/2 - 20	32.5 mm	19 mm	24193SU
1/2 - 20	37.0 mm	21 mm	24130SU
1/2 - 20	37.0 mm	19 mm	24138SU
1/2 - 20	42.0 mm	19 mm	24198SU
1/2 - 20	42.0 mm	21 mm	24197SU
1/2 - 20	63.5 mm	22 mm	24109SU
9/16- 18	44.8 mm	22 mm	24234SU
9/16- 18	63.5 mm	22 mm	24134SU
M12x1.25	32.5 mm	19 mm	24152SU
M12x1.25	32.5 mm	21 mm	24154SU
M12x1.5	32.5 mm	19 mm	24157SU
M12x1.5	32.5 mm	21 mm	24195SU
M12x1.5	37.0 mm	19 mm	24137SU
M12x1.5	37.0 mm	21 mm	24238SU
M12x1.75	46.0 mm	21 mm	24160SU
M14x1.5	39.7 mm	21 mm	24214SU
M14x1.5	50.0 mm	21 mm	24211SU
M14x1.5	50.0 mm	22 mm	24210SU
M14x2.0	57.0 mm	21 mm	24205SU



Thread Size	Total Length	Hex Size	Part No.
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Cone Seat 60° - Under Hub Cap

For use under wheel covers, center caps and hub caps. Can also be used for exposed applications with optional black or chrome caps.

7/16	19.7 mm	19/21 mm	24011SU
1/2-20	19.7 mm	19/21 mm	24010SU
9/16-18	21.7 mm	22 mm	24014SU
9/16-18	21.7 mm	24 mm	24015SU
M12x1.25	19.7 mm	19/21 mm	24013SU
M12x1.5	19.7 mm	19/21 mm	24012SU
M12x1.75	20.4 mm	19/21 mm	24016SU
M14x1.5	22.7 mm	19 mm	24018SU
M14x1.5	22.7 mm	22 mm	24019SU
M14x2	22.7 mm	21 mm	24024SU



Attractive cap design allows multi-purpose locks to be used in exposed applications.

Thread Size	Total Length	Hex Size	Part No.
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Cone Seat 60° - flat

M12x1.5	5/ 32 mm	19 mm	24028SU
M12x1.5	5/ 32 mm	21 mm	24022SU



The Original



Thread Size	Total Length	Hex Size	Part No.
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Flat Seat- 8.0 mm Shank

Contains polished stainless steel washers.

M12x1.5	35/42.2 mm	19 mm	20116SU
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Thread Size	Total Length	Hex Size	Part No.
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Floating Cone Seat

M12x1.5	32.5 mm	19 mm	24212SU
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Thread Size	Seat	Total Length	Hex Size	Part No.
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Radius Seat

M12x1.5	R12	29.9 mm	19 mm	25000SU
3/8	R10	28.0 mm	17 mm	25001SU

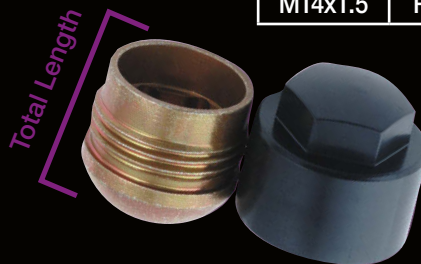


Thread Size	Seat	Total Length	Hex Size	Part No.
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Radius Seat

For use under wheel covers, center caps and hub caps.

M14x1.5	R14	22.7 mm	19 mm	25167SU
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Wheel Lock Nuts Shank Style SU



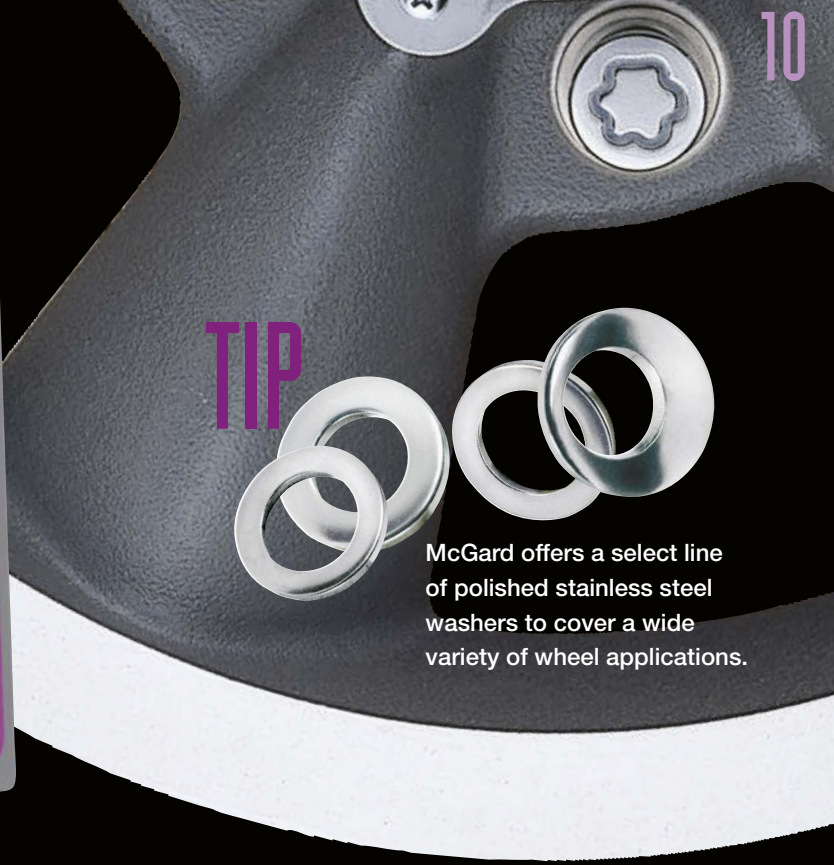
Thread Size	Total Length	Hex Size	Part No.
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Regular - 14.7 mm Shank

Wheel Locks with a 17.2 mm Shank Diameter.
Contains polished stainless steel washers.

7/16-20	35.0 mm	21 mm	21122SU
1/2-20	35.0 mm	21 mm	21120SU
M12x1.25	35.0 mm	21 mm	21153SU
M12x1.5	35.0 mm	21 mm	21156SU





TIP

McGard offers a select line of polished stainless steel washers to cover a wide variety of wheel applications.



Thread Size	Total Length	Hex Size	Part No.
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Regular - 19.4 mm Shank

Wheel Locks with a 22.0 mm Shank Diameter.

M14x1.5	42.6 mm	22 mm	21157SU
M14x1.5	40.8 mm	22 mm	21158SU

Thread Size	Total Length	Hex Size	Part No.
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Long - 24.1 mm Shank

Wheel Locks with a 17.2 mm Shank Diameter. Contains polished stainless steel washers.

7/16-20	44.4 mm	21 mm	22142SU
1/2-20	44.4 mm	21 mm	22140SU
M12x1.5	44.4 mm	21 mm	22158SU



Thread Size	Total Length	Hex Size	Part No.
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Extra Long - 34.6 mm Shank

Wheel Locks with a 17.2 mm Shank Diameter. Contains polished stainless steel washers.

7/16-20	55.0 mm	21 mm	23180SU
1/2-20	55.0 mm	21 mm	23181SU
M12x1.5	55.0 mm	21 mm	23185SU



Ultra High Security - SL

Our product which provides additional security due to its rotating ring, fulfils the Thatcham Security Category 4. Available in more than 40 different measurements.

Wheel Lock Bolts SL



Thread Size	Seat	Shaft Length	Hex Size	Part No.
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Cone Seat 60°

M12x1.25	60°	22.0 mm	17 mm	27216SL
M12x1.25	60°	22.0 mm	19 mm	27170SL
M12x1.25	60°	25.6 mm	19 mm	27261SL
M12x1.25	60°	29.2 mm	17 mm	27215SL
M12x1.25	60°	29.2 mm	19 mm	27169SL
M12x1.25	60°	35.6 mm	19 mm	27185SL
M12x1.25	60°	40.6 mm	17 mm	27232SL
M12x1.25	60°	47.8 mm	19 mm	27180SL
M12x1.5	60°	18.2 mm	17 mm	27203SL
M12x1.5	60°	22.1 mm	17 mm	27204SL
M12x1.5	60°	25.5 mm	17 mm	27179SL
M12x1.5	60°	25.5 mm	19 mm	27207SL
M12x1.5	60°	40.4 mm	17 mm	27013SL
M14x1.25	60°	27.3 mm	17 mm	27226SL
M14x1.25	60°	32.0 mm	17 mm	27229SL
M14x1.25	60°	37.0 mm	17 mm	27230SL
M14x1.25	60°	42.0 mm	17 mm	27244SL
M14x1.25	60°	47.0 mm	17 mm	27231SL
M14x1.5	60°	24.0 mm	17 mm	27184SL
M14x1.5	60°	27.3 mm	17 mm	27222SL
M14x1.5	60°	29.0 mm	17 mm	27181SL
M14x1.5	60°	31.0 mm	17 mm	27205SL
M14x1.5	60°	31.0 mm	19 mm	27000SL



Thread Size	Seat	Shaft Length	Hex Size	Part No.
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Flat Seat

M12x1.25	flat	34.5 mm	17 mm	26002SL
M12x1.25	flat	34.5 mm	19 mm	26001SL



Thread Size	Seat	Shaft Length	Hex Size	Part No.
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Radius Seat

M12x1.5	R12	24.1 mm	17 mm	28028SL
M12x1.5	R12	39.9 mm	17 mm	28023SL
M14x1.5	R13	26.7 mm	17 mm	28018SL
M14x1.5	R14	27.0 mm	17 mm	28174SL
M14x1.5	R12	34.5 mm	17 mm	28032SL
M14x1.5	R14	45.0 mm	17 mm	28017SL

Thread Size	Seat	Shaft Length	Hex Size	Part No.
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PCD variation bolts

M12x1.25	60°	30.0 mm	17 mm	27562SL
M12x1.5	60°	30.0 mm	17 mm	27563SL
M14x1.5	60°	30.0 mm	17 mm	27564SL





Thread Size	Total Length	Hex Size	Part No.
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Cone Seat 60°

M12x1.25	35.0 mm	19 mm	24152SL
M12x1.25	35.0 mm	21 mm	24154SL
M12x1.5	35.0 mm	19 mm	24157SL
M12x1.5	35.0 mm	21 mm	24195SL



Thread Size	Total Length	Hex Size	Part No.
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Cone Seat 60°

M14x1.5	39.0 mm	21 mm	24658SL
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Thread Size	Total Length	Hex Size	Part No.
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Radius Seat R12

M12x1.5	35.0 mm	19 mm	25000SL
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Thread Size	Total Length	Hex Size	Part No.
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Flat Seat - 19.40 mm Shank
 Wheel Locks with a 17.24 mm Shank Diameter.
 Contains polished stainless steel washers.

M12x1.5	35.0 mm	21 mm	21156SL
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TIP



McGard offers a select line of polished stainless steel washers to cover a wide variety of wheel applications.

Thread Size	Total Length	Hex Size	Part No.
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Floating Cone Seat

M12x1.5	35.0 mm	19 mm	24212SL
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Black Edition - SUB

Developed for black wheels, with a selection of the same measurements/applications as our SU edition.

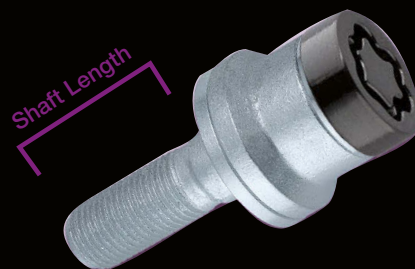
Available in more than 50 different measurements.

Wheel Lock Bolts SUB



Thread Size	Seat	Shaft Length	Hex Size	Part No.
Cone Seat 60°				
M12x1.25	60°	22.0 mm	17 mm	27216SUB
M12x1.25	60°	22.0 mm	19 mm	27170SUB
M12x1.25	60°	25.6 mm	19 mm	27261SUB
M12x1.25	60°	29.2 mm	17 mm	27215SUB
M12x1.25	60°	29.2 mm	19 mm	27169SUB
M12x1.25	60°	35.6 mm	19 mm	27185SUB
M12x1.25	60°	40.6 mm	17 mm	27232SUB
M12x1.25	60°	47.8 mm	19 mm	27180SUB
M12x1.5	60°	18.2 mm	17 mm	27203SUB
M12x1.5	60°	18.2 mm	21 mm	27100SUB
M12x1.5	60°	22.1 mm	17 mm	27204SUB
M12x1.5	60°	25.5 mm	17 mm	27179SUB
M12x1.5	60°	25.5 mm	19 mm	27207SUB
M12x1.5	60°	27.9 mm	17 mm	27221SUB
M12x1.5	60°	31.8 mm	17 mm	27015SUB
M12x1.5	60°	36.3 mm	17 mm	27112SUB
M12x1.5	60°	40.4 mm	17 mm	27013SUB
M12x1.5	60°	45.0 mm	17 mm	27252SUB
M12x1.5	60°	49.2 mm	17 mm	27014SUB
M12x1.75	60°	29.0 mm	19 mm	27186SUB
M14x1.25	60°	27.3 mm	17 mm	27226SUB
M14x1.25	60°	32.0 mm	17 mm	27229SUB
M14x1.25	60°	37.0 mm	17 mm	27230SUB
M14x1.25	60°	42.0 mm	17 mm	27244SUB
M14x1.25	60°	47.0 mm	17 mm	27231SUB
M14x1.5	60°	24.0 mm	17 mm	27184SUB
M14x1.5	60°	27.3 mm	17 mm	27222SUB
M14x1.5	60°	29.0 mm	17 mm	27181SUB
M14x1.5	60°	31.0 mm	17 mm	27205SUB
M14x1.5	60°	31.0 mm	19 mm	27000SUB
M14x1.5	60°	39.0 mm	17 mm	27183SUB
M14x1.5	60°	44.0 mm	17 mm	27209SUB
M14x1.5	60°	49.0 mm	17 mm	27208SUB

Thread Size	Seat	Shaft Length	Hex Size	Part No.
Flat Seat				
M12x1.25	flat	34.5 mm	17 mm	26002SUB
M12x1.25	flat	34.5 mm	19 mm	26001SUB



Thread Size	Seat	Shaft Length	Hex Size	Part No.
Radius Seat				
M12x1.5	R12	20.6 mm	17 mm	28176SUB
M12x1.5	R12	24.1 mm	17 mm	28028SUB
M12x1.5	R12	27.9 mm	17 mm	28172SUB
M12x1.5	R12	36.0 mm	17 mm	28026SUB
M12x1.5	R12	39.9 mm	17 mm	28023SUB
M12x1.5	R12	44.5 mm	17 mm	28037SUB
M12x1.5	R12	49.5 mm	17 mm	28038SUB
M12x1.5	R12	56.0 mm	17 mm	28027SUB
M14x1.5	R13	26.7 mm	17 mm	28018SUB
M14x1.5	R14	27.0 mm	17 mm	28174SUB
M14x1.5	R14	28.3 mm	19 mm	28177SUB
M14x1.5	R12	31.8 mm	17 mm	28020SUB
M14x1.5	R12	34.5 mm	17 mm	28032SUB
M14x1.5	R14	37.1 mm	19 mm	28044SUB
M14x1.5	R12	41.0 mm	17 mm	28025SUB
M14x1.5	R14	45.0 mm	17 mm	28017SUB
M14x1.5	R12	48.9 mm	17 mm	28042SUB
M14x1.5	R12	53.9 mm	17 mm	28043SUB



Wheel Lock Nuts SUB



Thread Size	Total Length	Hex Size	Part No.
Cone Seat 60°			
1/2x20	32.5 mm	19 mm	24193SUB
1/2x20	37.1 mm	19 mm	24138SUB
9/16x18	63.5 mm	22 mm	24144
M12x1.25	32.5 mm	21 mm	24154SUB
M12x1.5	37.1 mm	19 mm	24137SUB
M14x1.5	41.6 mm	21/22 mm	24216

TUNER

Tuner Locks

Developed for wheels with narrow wheel hole diameters, therefore we have reduced the exterior diameter of our bolts/nuts and also the exterior diameter of the key.



TUNER



TUNER

Wheel Lock Bolts TUNER

Thread Size	Seat	Shaft Length	Hex Size	Part No.
Cone Seat 60°				
M12x1.25	60°	24.0 mm	17 mm	27196SU
M12x1.5	60°	24.0 mm	17 mm	27192SU
M12x1.5	60°	29.5 mm	17 mm	27191SU
M14x1.5	60°	24.0 mm	17 mm	27200SU
M14x1.5	60°	29.5 mm	17 mm	27201SU



Wheel Lock Nuts TUNER

Thread Size	Total Length	Hex Size	Part No.
Cone Seat 60°			
1/2x20	40.6 mm	21 mm	25240
M12x1.25	31.5 mm	17 mm	25258SU
M12x1.25	31.5 mm	21 mm	25254SU
M12x1.5	31.5 mm	17 mm	25259SU
M12x1.5	31.5 mm	21 mm	25257SU
M14x1.5	41.8 mm	22 mm	25115
M14x1.5	49.1 mm	26 mm	25110SU



Wheel Lock Nuts TUNER BLACK

Thread Size	Total Length	Hex Size	Part No.
Cone Seat 60°			
1/2x20	40.6 mm	21 mm	25340
M12x1.25	31.5 mm	21 mm	25354SU
M12x1.5	31.5 mm	21 mm	25357SU
M14x1.5	41.8 mm	22 mm	25116
M14x1.5	49.1 mm	26 mm	25112





Wheel Installation Kits Lug Bolts



TRIPLE-NICKEL CHROME PLATING

The best in the industry. Our process includes three layers of nickel and one layer of microporous chrome. The first layer of nickel is for corrosion resistance; the second layer of nickel is for luster and the third nickel layer interacts with the microporous chrome layer to disperse nature's corrosive action (rust).

IDENTIFICATION

We roll mark our name into the surface of every lug bolt. This is your assurance that you are getting genuine McGard quality and safety.

PRECISE BEARING SURFACE

McGard's floating seat design allows for precision concentricity of the bearing surface to the pitch diameter. This insures even distribution of the clamp load and uniform seating of the lug bolt to the wheel hub assembly.



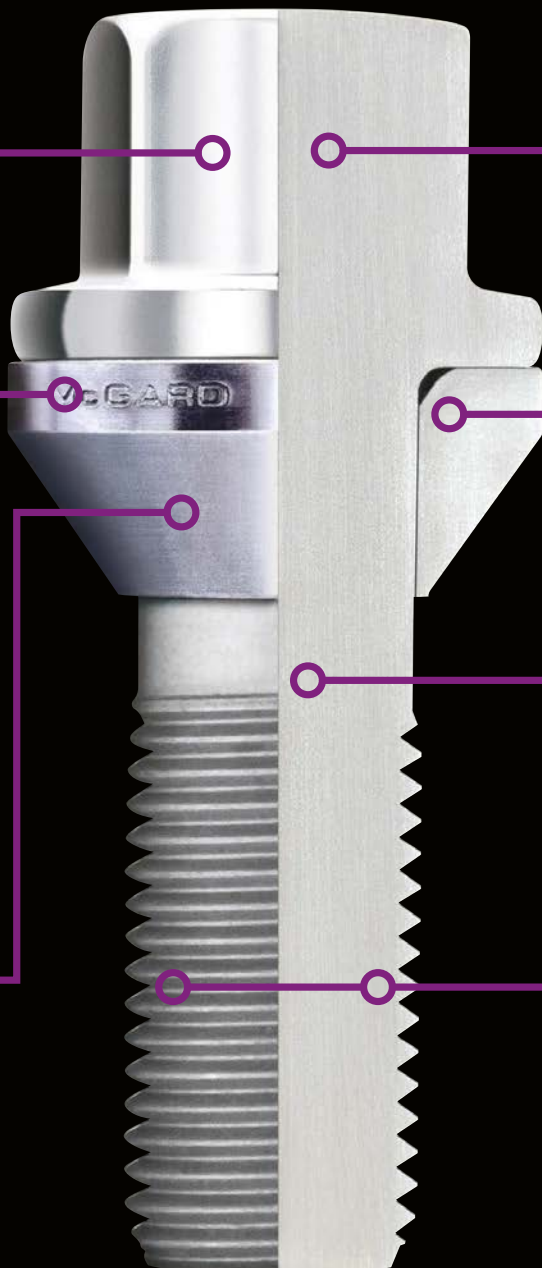
OEM design & safety PLUS Beauty, Style, Precision & Durability!

The floating seat (2-piece) design provides optimum safety and performance. This protects against galling and helps prevent seized/difficult to remove bolts.

Precision manufacturing exceeds OEM requirements.

Beautiful chrome & black finish enhances the look of any wheel. The triple-nickel black & chrome plating is guaranteed for life not to chip, peel or rust.

Available in Wheel Installation Kits that include wheel locks and bulk boxes of 50.



STEEL

Made in the United States. Our stringent standards insure the structural integrity of each and every McGard lug bolt.

FLOATING SEAT

The floating seat design provides precision control of the torque tension characteristics between the fastener and wheel hub assembly.

THROUGH-HARDENED STEEL

Every lug bolt is through-hardened and tempered, reaching the depth of hardness needed for its unsurpassed level of safety (unlike case hardening which is only a surface treatment).

PRECISION COATED THREADS

Core integrity provides the highest strength in the industry. McGard lug bolts exceed the highest OEM proof load and tensile load standards. The unique process of applying multiple proprietary coatings helps prevent seized or difficult to remove lug bolts.

Choosing the correct Lug Bolt

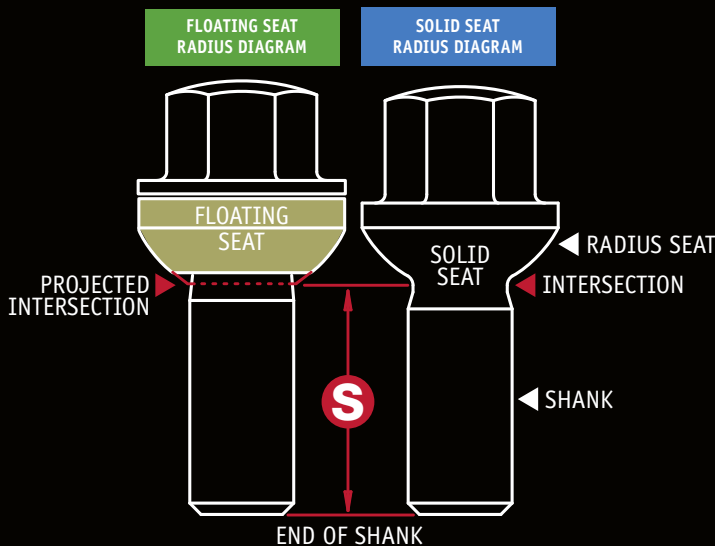
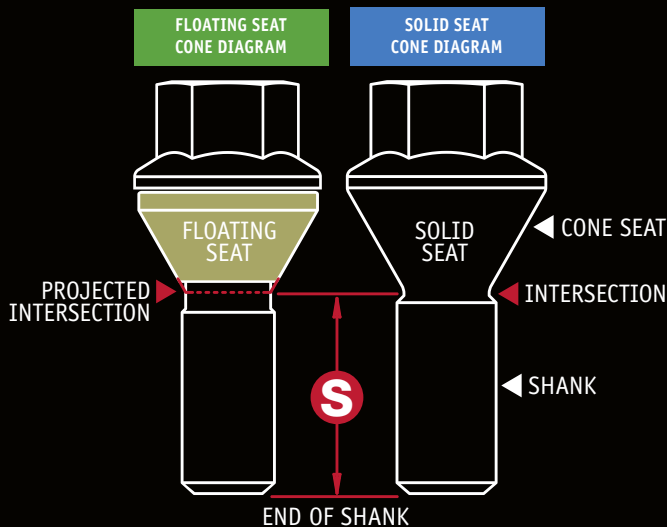


WARNING: Lug Bolts are critical wheel fasteners. Read the following guidelines to insure that you choose the correct lug bolt. Failure to comply with guidelines & warnings could cause an unsafe condition and result in serious injury or death. Do not use: a bolt with a different seat style (cone, radius, flat); or a bolt shorter or longer than the lug bolt specified for your wheel.

Choosing The Correct Lug Bolt

In many cases McGard lug bolts are designed to be a direct replacement for OEM lug bolts. On the following pages you will find OEM lug bolt part numbers that cross reference to McGard part numbers. If you can identify your OEM part number then you can easily identify the proper McGard part.

If you can't identify your OEM lug bolts or have aftermarket lug bolts you will have to check for the following: correct thread size; cone or radius style seating surface; the shank length is not too short or too long. Refer to this diagram for information on correctly measuring your lug bolt.



Shank Length Verification

For **Solid Seat** (1-piece) bolt designs the shank length **S** is measured from the end of the shank to the **INTERSECTION** (narrowest point of the seat). See the solid seat diagrams captioned in blue.

For **Floating Seat** (2-piece) bolt designs the shank length **S** is measured from the end of the shank to the **PROJECTED INTERSECTION** (red dotted line). See the floating seat diagrams captioned in green.

The **PROJECTED INTERSECTION** on a floating seat (2-piece) bolt corresponds with the **INTERSECTION** on a solid seat (1-piece) bolt.

Lock bolt applications/dimensions should not be used to cross reference/determine lug bolt applications.

If you are unsure of which part number to use, or have installation questions, contact your local McGard installer or McGard at 00 800 25 99 34 00.

DISCLAIMER: The information on the following pages is believed to be accurate, but is intended for reference purposes only, and not meant to be an application guide. You must test fit lug bolts on each wheel to insure proper fit. It is your responsibility to double check that the correct bolt is used and correctly installed. McGard is not responsible for use of an incorrect bolt or incorrect installation.

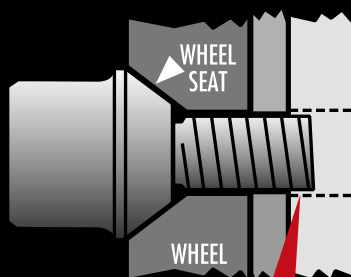
BOLT APPLICATION

Verification



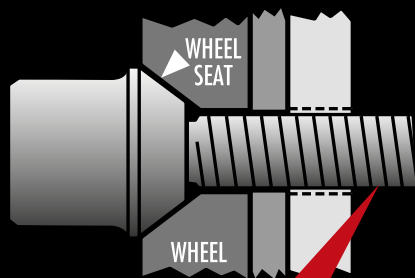
Note: When installing wheel lock bolts and lug bolts, verify that it is the correct thread size, seating surface (cone seat, radius seat) and style as recommended by the wheel manufacturer. Minimum thread engagement into hub assembly must be $5\frac{1}{2}$ complete 360° revolutions of bolt ($5\frac{1}{2}$ full bolt rotations).

Verification for Cone & Radius Seat Lock Bolt or Lug Bolt:



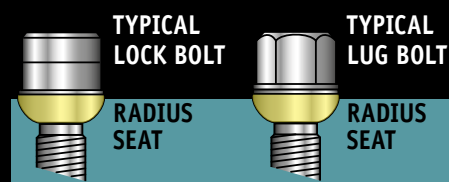
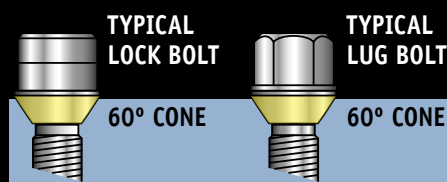
Misapplication: insufficient thread engagement into the hub assembly.

ILLUSTRATION #1



Possible misapplication: shank has passed through hub assembly, which could result in vehicle damage.

ILLUSTRATION #2



WARNING: Lug Bolts are critical wheel fasteners. Read the following guidelines to ensure that you choose and install the correct lug bolt. Failure to comply with guidelines & warnings could cause an unsafe condition and result in serious injury or death.

- 1 Remove one lug bolt from both a front wheel and rear wheel.
- 2 Visually verify that the seating surface of your current fasteners match the McGard fasteners. Verify that the thread size and shank measurement of your current fasteners match the McGard fasteners.
- 3 Install one McGard lug or lock bolt on each wheel from step one. Tighten to normal installation torque. Minimum thread engagement into hub assembly must be $5\frac{1}{2}$ complete 360° revolutions.

Too short of a shank will result in lack of engagement and an unsafe condition (see illustration #1). Too long of a shank can extend beyond the hub assembly and possibly cause damage to other vehicle parts (see illustration #2).

- 4 Upon verification of proper application, complete installation per McGard's installation instructions.

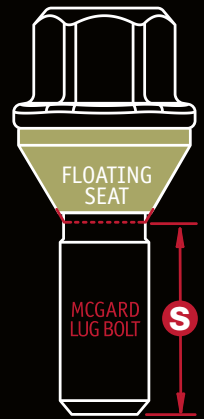
Note: If your spare tire is a steel wheel and your road wheels are aluminum, you must also verify the application for your spare tire/wheel. If you do not wish to verify the application now, you should keep enough of your original fasteners in your vehicle for use with the spare tire/wheel.

WHEEL INSTALLATION KITS & BOXES

Cone Seat LUG BOLTS

**For ALFA ROMEO, FIAT M12x1.25 applications using
Fiat bolt p/n: 13230335, Alfa Romeo bolt p/n 11294235**

THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M12x1.25	67216SU	69716SU	17mm	50.5mm	22.0mm
M12x1.25 black	67216SUB	69716SUB			



When choosing the proper lug bolt check for:

1

Correct thread size.

2

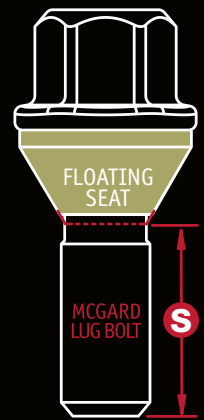
Cone or Radius style seating surface.

3

Shank length is not too short or too long.

For CHRYSLER, DODGE & JEEP M12x1.25 bolt applications on a 60° cone seat wheel

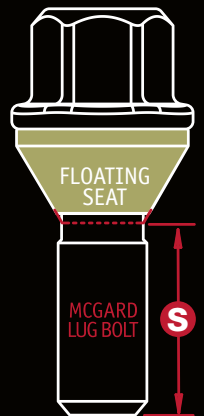
THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M12x1.25	67261SU	69761SU	17mm	57.6mm	25.6mm
M12x1.25 black	67261SUB	69761SUB			



During wheel installation, bolt shank length must be checked for proper fit. Too short of a shank will result in lack of engagement and an unsafe condition. Too long of a shank can extend beyond the hub assembly and possibly cause damage to other vehicle parts.

Aftermarket Replacement M12x1.25 (Please check the measurements)

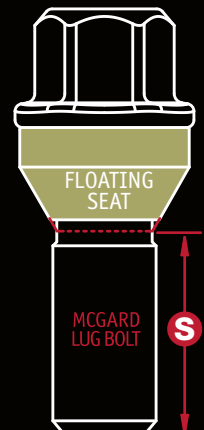
THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M12x1.25	67215SU	69715SU	17mm	57.6mm	29.0mm
M12x1.25 black	67215SUB	69715SUB			



Lock bolt applications/dimensions should not be used to cross reference/determine lug bolt applications.

For BMW/MINI Aftermarket Replacement M12x1.5 applications using BMW/MINI bolt p/n: 36-13-6-781-150

THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M12x1.5	67179SU	69779SU	17mm	54.1mm	25.5mm
M12x1.5 black	67179SUB	69779SUB			



TIP

- Installation kits include 16 lug bolts, 4 wheel locks and 1 wheel lock key.

- Box includes 50 lug bolts.

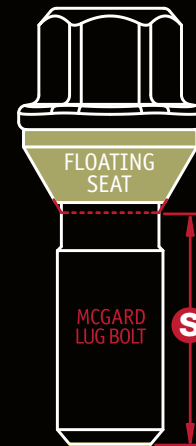
Aftermarket Replacement M14x1.5 60° / cone seat

THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M14x1.5	67222SU	69722SU	17mm	57.5mm	28.0mm
M14x1.5 black	67222SUB	69722SUB			
M14x1.5	67205SU	69705SU	17mm	57.5mm	30.5mm
M14x1.5 black	67205SUB	69705SUB			
M14x1.5	67242SU	69780SU	17mm	69.3mm	39.0mm
M14x1.5 black	67242SUB	69780SUB			
M14x1.5	67243SU	69781SU	17mm	73.9mm	44.0mm
M14x1.5 black	67243SUB	69781SUB			
M14x1.5	67246SU	69782SU	17mm	76.0mm	49.0mm
M14x1.5 black	67246SUB	69782SUB			



For VOLVO M14x1.5 applications using VOLVO bolt p/n's: 312-023-36, 312-002-40

THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M14x1.5	67205SU	69705SU	17mm	57.5mm	30.5mm
M14x1.5 black	67205SUB	69705SUB			

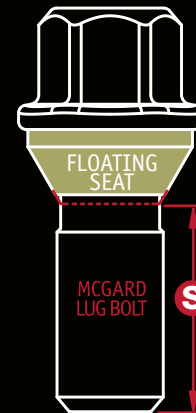


When choosing the proper lug bolt check for:

- 1 Correct thread size.
- 2 Cone or Radius style seating surface.
- 3 Shank length is not too short or too long

For BMW/MINI M14x1.25 applications using BMW/MINI bolt p/n: 36-13-6-781-151

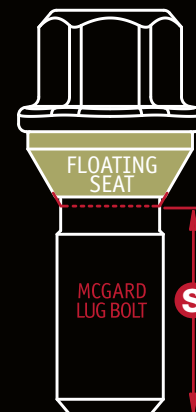
THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M14x1.25	67226SU	69726SU	17mm	54.2mm	27.4mm
M14x1.25 black	67226SUB	69726SUB			



During wheel installation, bolt shank length must be checked for proper fit. Too short of a shank will result in lack of engagement and an unsafe condition. Too long of a shank can extend beyond the hub assembly and possibly cause damage to other vehicle parts.

For BMW/MINI M14x1.25 with wheel spacers (Please check the measurements)

THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M14x1.25	67228SU	69728SU	17mm	59.2mm	32.4mm
M14x1.25 black	67228SUB	69728SUB			
M14x1.25	67229SU	69729SU	17mm	64.2mm	37.4mm
M14x1.25 black	67229SUB	69729SUB			
M14x1.25	67230SU	69730SU	17mm	69.2mm	42.4mm
M14x1.25 black	67230SUB	69730SUB			
M14x1.25	67231SU	69731SU	17mm	74.2mm	47.4mm
M14x1.25 black	67231SUB	69731SUB			



Lock bolt applications/dimensions should not be used to cross reference/determine lug bolt applications.

WHEEL INSTALLATION KITS & BOXES

Radius Seat LUG BOLTS



When choosing the proper lug bolt check for:

1

Correct thread size.

2

Cone or Radius style seating surface.

3

Shank length is not too short or too long

During wheel installation, bolt shank length must be checked for proper fit. Too short of a shank will result in lack of engagement and an unsafe condition. Too long of a shank can extend beyond the hub assembly and possibly cause damage to other vehicle parts.

Lock bolt applications/dimensions should not be used to cross reference/determine lug bolt applications.

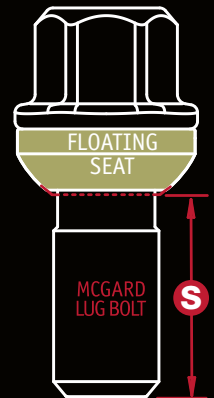
TIP

- Installation kits include 16 lug bolts, 4 wheel locks and 1 wheel lock key.

- Box includes 50 lug bolts.

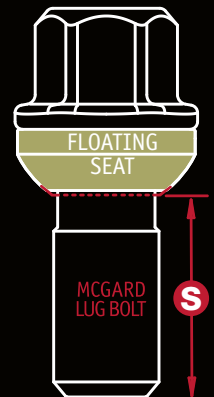
Audi, Volkswagen, Seat, Skoda M14x1.5 (13mm) radius seat applications using AUDI/VOLKSWAGEN bolt p/n's: WHT-002-437, WHT-002-438, WHT-001-812

THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	SEAT RADIUS	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M14x1.5	68018SU	69818SU	17mm	13mm	51.4mm	26.7mm
M14x1.5 black	68018SUB	69818SUB				



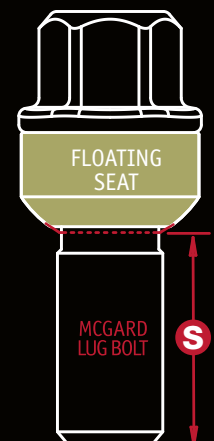
Aftermarket Replacement in M14x1.5, radius seat (13mm)

THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M14x1.5	68058SU	69878SU	17mm	57.5mm	32.4mm
M14x1.5 black	68058SUB	69878SUB			
M14x1.5	68059SU	69879SU	17mm	66.8mm	36.7mm
M14x1.5 black	68059SUB	69879SUB			
M14x1.5	68060SU	69880SU	17mm	66.8mm	41.7mm
M14x1.5 black	68060SUB	69880SUB			
M14x1.5	68061SU	69881SU	17mm	73.9mm	46.7mm
M14x1.5 black	68061SUB	69881SUB			



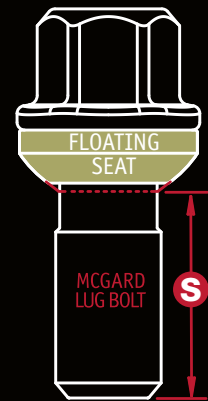
PORSCHE M14x1.5 (14mm) radius seat applications using PORSCHE bolt p/n: 997-361-203-01

THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	SEAT RADIUS	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M14x1.5	68020SU	69820SU	17mm	14mm	57.5mm	28.3mm
M14x1.5 black	68020SUB	69820SUB				



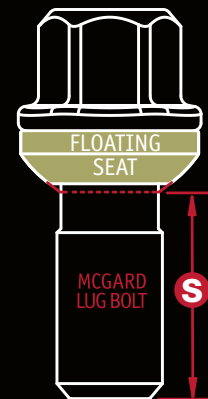
PORSCHE, AUDI & VOLKSWAGEN M14x1.5 (14mm) radius seat applications using bolt p/n's: WHT-001-693, WHT-002-529, WHT-004-676, WHT-004-676A

THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	SEAT RADIUS	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M14x1.5	68044SU	69844SU	17mm	14mm	59.2mm	35.4mm
M14x1.5 black	68044SUB	69844SUB				



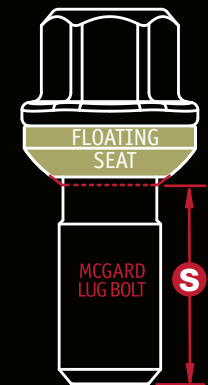
MERCEDES-BENZ M14x1.5 (14mm) radius seat applications using MERCEDES-BENZ p/n's: 000-990-4907, 000-990-5107 (fluted hex), 000-990-8307 (black)

THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	SEAT RADIUS	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M14x1.5	68174SU	69874SU	17mm	14mm	51.4mm	27.5mm
M14x1.5 black	68174SUB	69874SUB				



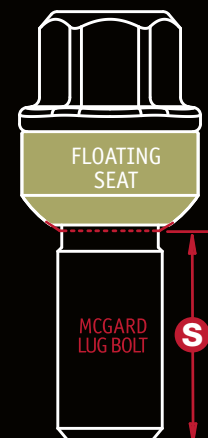
MERCEDES-BENZ M14x1.5 (14mm) radius seat applications using MERCEDES-BENZ p/n's: 000-900-7607

THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	SEAT RADIUS	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M14x1.5	68053SU	69876SU	17mm	14mm	73.9mm	45.0mm
M14x1.5 black	68053SUB	69876SUB				



Aftermarket Replacement in M14x1.5, radius seat (14mm)

THREAD SIZE	INSTALLATION KIT / 5 LUG	BOX/50 PART NO.	MCGARD HEX SIZE	MCGARD OVERALL LENGTH	MCGARD SHANK LENGTH S
M14x1.5	68051SU	69877SU	17mm	69.3mm	40.0mm
M14x1.5 black	68051SUB	69877SUB			
M14x1.5	68053SU	69876SU	17mm	73.9mm	45.0mm
M14x1.5 black	68053SUB	69876SUB			
M14x1.5	68055SU	69875SU	17mm	73.9mm	50.0mm
M14x1.5 black	68055SUB	69875SUB			



Wheel Installation Kits & Boxes Lug Nuts

Part No.	Colour	Thread Size	Seat	Total Length	Hex Size
Wheel Installation Kits - Lug Nuts					
84862SU	chrome	M12x1.25	60°	36.8 mm	19 mm
84862SUB	black	M12x1.25	60°	36.8 mm	19 mm
84557SU	chrome	M12x1.5	60°	36.8 mm	19 mm
84557SUB	black	M12x1.5	60°	36.8 mm	19 mm



TIP

Find more measurements
on www.mcgard.de



Cone Seat Lug Nuts

Thread Size	Total Length	Hex Size	PKG./4 Part No.	Box/100 Part No.
Cone Seat 60°				
7/16-20	38.1 mm	21 mm	64001	69401
1/2-20	38.1 mm	21 mm	64000	69400
1/2-20 black	38.1 mm	21 mm	64030	69430*
1/2-20	63.5 mm	64805**	69405	
9/16-18	44.5 mm	21 mm	N/A	69422
9/16-18	44.5 mm	22 mm	64008	69418
9/16-18	63.5 mm	22 mm	64806**	69406
9/16-18 black	63.5 mm	22 mm	64816**	N/A
M12x1.25	32.5 mm	21 mm	64003	69403
M12x1.5	38.1 mm	21 mm	64002	69402
M12x1.5 black	38.1 mm	21 mm	64031	69431*
M12x1.75	46.1 mm	21 mm	64019	69419
M14x1.5	41.5 mm	22 mm	64069	69469
M14x1.5 black	41.5 mm	22 mm	64072	69472*
M14x1.5	49.4 mm	22 mm	64014	69424
M14x1.5 black	49.4 mm	22 mm	64024	N/A
M14x1.5	49.4 mm	21 mm	64021	69428
M14x1.5 black	49.4 mm	21 mm	64022	N/A
M14x2.0	57.1 mm	21 mm	64020	69420
M14x2.0 black	57.1 mm	21 mm	64025	N/A



*come packaged 144 per box
** come packaged 8 per set

Thread Size	Total Length	Hex Size	PKG./4 Part No.	Box/100 Part No.
Bulge Style - Cone Seat				
Bulge lug nuts have an extended seating surface that is designed to match the wider seating surface used on some aluminum wheels.				
7/16-20	36.8 mm	19 mm	64011	69411
1/2-20	36.8 mm	19 mm	64010	69410
1/2-20 black	36.8 mm	19 mm	64029	69429*
M12x1.5	36.8 mm	19 mm	64012	69412
M12x1.5 black	36.8 mm	19 mm	64015	69415*
M12x1.25	36.8 mm	19 mm	64013	69413
M14x1.5	41.5 mm	22 mm	64073	69473
M14x1.5 black	41.5 mm	22 mm	64074	69474*
M14x1.5	49.4 mm	21 mm	64023	69432
M14x1.5	49.4 mm	22 mm	64033	69433
M14x1.5 black	49.4 mm	22 mm	64034	N/A



*come packaged 144 per box

Drag Racing Lug Nuts



Thread Size	Total Length	Hex Size	PKG./4 Part No.	Box/100 Part No.
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Racing Style - 12.5 mm Shank

Lug Nuts with a 17.2 mm Shank Diameter.
Contains polished stainless steel washers.
Bulk boxes of 100 do not include washers.

7/16-20	40.6 mm	21 mm	60128	69128
1/2-20	40.6 mm	21 mm	60127	69127
M12x1.5	40.6 mm	21 mm	60129	69129



Thread Size	Total Length	Hex Size	PKG./4 Part No.	Box/100 Part No.
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Racing Style - 18.9 mm Shank

Lug Nuts with a 17.2 mm Shank Diameter.
Contains polished stainless steel washers.
Bulk boxes of 100 do not include washers.

7/16-20	47.2 mm	21 mm	61006	69106
1/2-20	47.2 mm	21 mm	61005	69105
M12x1.5	47.2 mm	21 mm	61007	69107

Thread Size	Total Length	Hex Size	PKG./4 Part No.	Box/100 Part No.
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Racing Style - 34.6 mm Shank

Lug Nuts with a 17.2 mm Shank Diameter.
Contains polished stainless steel washers.
Bulk boxes of 100 do not include washers.

7/16-20	62.8 mm	21 mm	63001	69301
1/2-20 offset	62.8 mm	21 mm	63000	69300
1/2-20	62.8 mm	21 mm	63004	69300
M12x1.5	62.8 mm	21 mm	63002	69302



TIP



McGard offers a select line of polished stainless steel washers to cover a wide variety of wheel applications.

Shank Style Lug Nuts

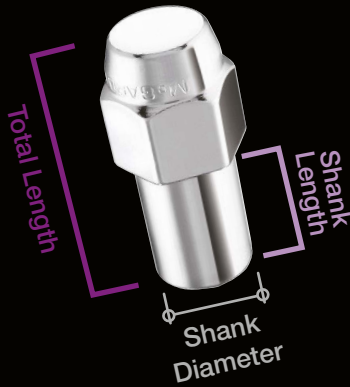
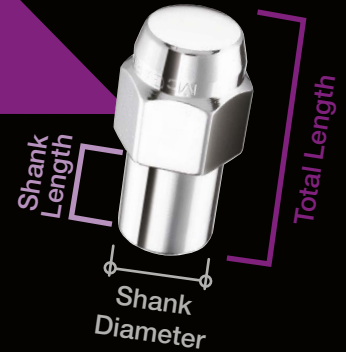


Thread Size	Total Length	Hex Size	PKG./4 Part No.	Box/100 Part No.
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Regular - 18.9 mm Shank

Lug Nuts with a 17.2 mm Shank Diameter.
Contains polished stainless steel washers

7/16-20	41.9 mm	21 mm	61001	69101
1/2-20	41.9 mm	21 mm	61000	69100
M12x1.25	41.9 mm	21 mm	61003	69103
M12x1.5	41.9 mm	21 mm	61002	69102



Thread Size	Total Length	Hex Size	PKG./4 Part No.
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Long - 24.0 mm Shank

Lug Nuts with a 17.2 mm Shank Diameter.
Contains polished stainless steel washers.

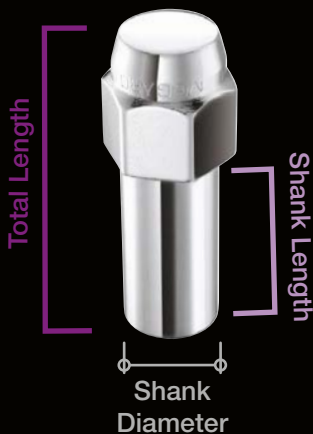
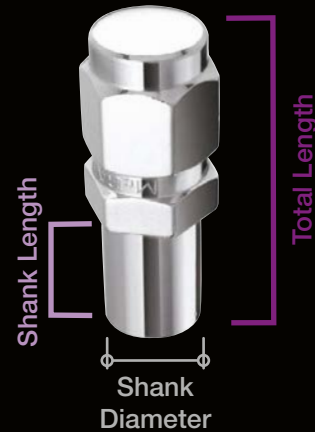
7/16-20	47.0 mm	21 mm	62001
1/2-20	47.0 mm	21 mm	62000
M12x1.5	47.0 mm	21 mm	62002

Thread Size	Total Length	Hex Size	PKG./8 Part No.
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Long - 25.4 mm Shank-Duplex

Lug Nuts with a 18.7 mm Shank Diameter.
Contains polished stainless steel washers.

1/2-20	61.6 mm	22 mm	62820
9/16-18	61.6 mm	22 mm	62822



Thread Size	Total Length	Hex Size	PKG./4 Part No.	Box/100 Part No.
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Extra Long - 34.6 mm Shank

Lug Nuts with a 17.2 mm Shank Diameter.
Contains polished stainless steel washers.

7/16-20	57.7 mm	21 mm	63015	69315
1/2-20	57.7 mm	21 mm	63014	69314
M12x1.5	57.7mm	21 mm	63016	69316

Spline Drive



1. Box (1 Box includes 50 Spline Drive Lug Nuts)

Part No.	Colour	Thread Size	Seat	Total Length
65002	chrome	M12x1.5	60°	31.5 mm
65002BK	black	M12x1.5	60°	31.5 mm
65002BC	blue cap	M12x1.5	60°	31.5 mm
65002RC	red cap	M12x1.5	60°	31.5 mm
65002GD	gold	M12x1.5	60°	31.5 mm
65003	chrome	M12x1.25	60°	31.5 mm
65003BK	black	M12x1.25	60°	31.5 mm
65003BC	blue cap	M12x1.25	60°	31.5 mm
65003RC	red cap	M12x1.25	60°	31.5 mm
65003GD	gold	M12x1.25	60°	31.5 mm
65024	chrome	M14x1.5	60°	49.2 mm
65025	black	M14x1.5	60°	49.2 mm
65036	chrome	M14x1.5	60°	41.9 mm
65037	black	M14x1.5	60°	41.9 mm

2. Installation Tool

Part No. PKG./1	Part No. PKG./10	Hex Size	Description
65300	65100	21 mm	for 1/2-20", M12x1.25, M12x1.5 nuts
65301	65400	21 mm	for M14x1.5 nuts only
65302	65200	26 mm	for M14x1.5 nuts only
	65500	22 mm	for M14x1.5 nuts only

3. Clamshell (1 Package includes 4 Spline Drive Lug Nuts)

Part No.	Colour	Thread Size	Seat	Total Length
65357	chrome	M12x1.5	60°	31.5 mm
65357BK	black	M12x1.5	60°	31.5 mm
65357BC	blue cap	M12x1.5	60°	31.5 mm
65357RC	red cap	M12x1.5	60°	31.5 mm
65354	chrome	M12x1.25	60°	31.5 mm
65354BK	black	M12x1.25	60°	31.5 mm
65354BC	blue cap	M12x1.25	60°	31.5 mm
65354RC	red cap	M12x1.25	60°	31.5 mm
65310	chrome	M14x1.5	60°	49.2 mm
65310 BK	black	M14x1.5	60°	49.2 mm
65315	chrome	M14x1.5	60°	41.9 mm
65315BK	black	M14x1.5	60°	41.9 mm





4. Clamshell kits include Spline Drive lug nuts and installation tool. Chrome kits also include 4 wheel locks, wheel lock key and I.D card. Coloured cap kits do not include wheel locks.

4 Lug Clamshell Kit (16 Spline Drive Lug Nuts)

Part No.	Colour	Thread Size	Seat	Total Length	Hex Size
65454CN	chrome	M12x1.25	60°	31.5 mm	21 mm
65454BCC	blue cap	M12x1.25	60°	31.5 mm	21 mm
65454GDC	gold	M12x1.25	60°	31.5 mm	21 mm
65454RCC	red cap	M12x1.25	60°	31.5 mm	21 mm

4 Lug Clamshell Kit (16 Spline Drive Lug Nuts)

Part No.	Colour	Thread Size	Seat	Total Length	Hex Size
65457CN	chrome	M12x1.5	60°	31.5 mm	21 mm
65457BCC	blue cap	M12x1.5	60°	31.5 mm	21 mm
65457GDC	gold	M12x1.5	60°	31.5 mm	21 mm
65457RCC	red cap	M12x1.5	60°	31.5 mm	21 mm

5 Lug Clamshell Kit (20 Spline Drive Lug Nuts)

Part No.	Colour	Thread Size	Seat	Total Length	Hex Size
65554CN	chrome	M12x1.25	60°	31.5 mm	21 mm
65554GDC	gold	M12x1.25	60°	31.5 mm	21 mm
65554BCC	blue cap	M12x1.25	60°	31.5 mm	21 mm
65554RCC	red cap	M12x1.25	60°	31.5 mm	21 mm

5 Lug Clamshell Kit (20 Spline Drive Lug Nuts)

Part No.	Colour	Thread Size	Seat	Total Length	Hex Size
65557CN	chrome	M12x1.5	60°	31.5 mm	21 mm
65557BCC	blue cap	M12x1.5	60°	31.5 mm	21 mm
65557GDC	gold	M12x1.5	60°	31.5 mm	21 mm
65557RCC	red cap	M12x1.5	60°	31.5 mm	21 mm

Application Guide - Wheel Installation Kits & Bulk Boxes

Application guide for vehicles with original alloy wheels		CHROME		BLACK	
		Installation kit Part number	Bulk Box* Part number	Installation kit Part number	Bulk Box* Part number
Alfa Romeo	Giulia, Giulietta, Mito	67216SU	69716SU	67216SUB	69216SUB
Audi	A1, A3, A4, A5, A6, A7, A8, Q2, R8, RS3, RS4, RS5, RS6, S6, S8, TT, TT Roadster	68018SU	69818SU	68018SUB	69818SUB
	Q3, Q5, SQ5	68020SU	69820SU	68020SUB	69820SUB
	Q7	68044SU	69844SU	68044SUB	69844SUB
BMW	1 series (till '10), 3 series (till '11), 5 series (till '09), 6 series (till '10), 7 series (till '01), 8 series, X1, Z1, Z3, Z4, Z8	67179SU	69779SU	67179SUB	69779SUB
	1 series (from '11), 2 series, 3 series (from '12), 3 series GT, 4 series, 5 series GT, 5 series (from '10), 6 series (from '11), i3, i8, X3 (from '10), X4, X5 (from 01/'07), X6, 7 series (from 10/'08)	67226SU	69726SU	67226SUB	69726SUB
Chevrolet	Alero (from '06), Blazer S (till '05), Camaro (till '02), Captiva('06-15) Corvette('84-'15), Cruze (from '09), Epica ('06-'11), Evanda ('02-'07), Kalos ('04-'07), Lacetti ('04-'10), Malibu (till '12), Nubira ('04-'10), Orlando(from '10), Rezzo ('00-'08), Spark (from '10), Trax (from '13),	84557SU	69412	84557SUB	69415
Chrysler	300M, Grand Voyager (from '08), Neon ('94-'02), New Yorker ('94-'97), PT Cruiser ('00-'10),Sebring (till '07)	84557SU	69412	84557SUB	69415
	200 (from '15)	67261SU	69761SU	67261SUB	69761SUB
Fiat	500, 500c, 500L, 500x, Fiorino, Panda (from '12), Sedici, Strada, Stilo, Tipo	67216SU	69716SU	67216SUB	69716SUB
	Freemont, 124	84557SU	69412	84557SUB	69415
Hyundai	Accent, Ascente, Atos, Confiro, Coupé, Elantra, Excel, Genesis, Getz, Grandeur, H1-Starex, i10, i20, i30, i40, iX20, iX35, iX55, Lantra, Matrix, Pony, S-Coupé, Santa Fe, Sonata, Stellar, Tennis, Terracan, Trajet, Tucson, Veloster, XG-30	84557SU	69412	84557SUB	69415
Infiniti	Q70, QX50, QX70	84862SU	69413	84862SUB	
Isuzu	Amigo, Aska, Campo, Gemini, I-Mark, Impulse, Nero, Piazza, Pickup, Rodeo, Stylus, Trooper (4x4)	84557SU	69412	84557SUB	69415
Jeep	Campus, Patriot	84557SU	69412	84557SUB	69415
	Cherokee ('14-'15)	67261SU	69761SU	67261SUB	69761SUB
	Renegade	67216SU	69716SU	67216SUB	69716SUB
Kia	Carens, Carnival, Cee'd, Pro Cee'd, Cerato, Clarus, Cremos, Leo, Magentis, Opirus, Optima, Picanto, Retona, Rio (from '02), Sephia, Shuma, Sorento, Soul, Sportage, Venga	84557SU	69412	84557SUB	69415
Lexus	all models with cone seat weels	84557SU	69412	84557SUB	69415
Mazda	121 (DB from '91), 323 (from '86), 626 (from '83), 929 (from '88), B2300, 3000, 4000, CX3, CX5, CX7, CX9, Demio, GLC (from '80), Kombi, Mazda 2, Mazda 3, Mazda 5, Mazda 6, Miata, MPV, MX3, MX5, MX6 (from '88), Navajo (4x4), Pickup (from '79), Premacy, Protege, RX7 GSL/SE (from '85), RX7 Turbo (from '86), Tribute, RX8,	84557SU	69412	84557SUB	69415
Mercedes Benz	A-Class (W169, W176), B-Class (T245, W246), C-Class (S204 from 04/'07), CLC, CLS (C219, C218), GLA, E-Class (from '02 W211/S211, W212), E-Class Coupe, GL-Class, R-Class (W/ V251), SL (from '02 R230), SLK (R172), Viano, Vito (639)	68174SU	69874SU	68174SUB	69874SUB
	GLC, GLE, GLS, S-Class (W140, W220, W221, W222), SLS, R-Class, AMG GT	68053SU	69876SU	68053SUB	69876SUB

*Box = one box with bolts includes 50 bolts
 = one box with nuts includes 100 nuts, 69415 includes 144 nuts

Installation kit includes 4 wheel locks, 1 key and 16 lug bolts/nuts



Application guide for vehicles with original alloy wheels		CHROME		BLACK	
		Installation kit Part number	Bulk Box* Part number	Installation kit Part number	Bulk Box* Part number
Mini	Cabrio (R50 till 03/'06), Mini Cooper (till 08/'06), Mini Cooper S (till 08/'06), Mini One (till 08/'06)	67179SU	69779SU	67179SUB	69779SUB
	Cabrio (R50 from 04/'06), Countryman, Coupe, Clubman, Mini Cooper (R56 from 09/'06), Mini Cooper S (R56 from 09/'06), Mini One (R56 from 09/'06), Paceman, Roadster	67226SU	69726SU	67226SUB	69729SUB
Nissan	240SX, 300ZX (from '86), 350Z, Almera, Axxess, Cube, GT-R, Juke, Leaf, Maxima, Micra (K11, K13), Murano, Navara, Note (from 08/'13), Pathfinder (from '88), Patrol (from '02), Pixo, Primera, Pulsar, Qashqai (till 11/'13), Qashqai+2 (till 11/'13), Serena, Sentra, Stanza (from '86), Sunny (from '90), Terrano (4x4; from '88), Tiida, Tino, X-Trail (only for wheels with cone seat holes)	84862SU	69413	84862SUB	
	Qashqai (J11 from '14)	67179SU	69779SU	67179SUB	69779SUB
Porsche	911 (996), Boxster, Carrera S4, Cayman, Macan	68020SU	69820SU	68020SUB	69820SUB
	Cayenne, GT2, GT3, Panamera	68044SU	69844SU	68044SUB	69844SUB
Opel	Ampera, Antara, Astra (from 11/'09), Cascada, Karl, Mokka, Sintra, Zafira Tourer	84557SUB	69415	84557SUB	69415
Seat	Altea, Ateca, Cordoba, Exeo, Ibiza, León, Toledo	68018SU	69818SU	68018SUB	69818SUB
	Alhambra	68044SU	69844SU	68044SUB	69844SUB
Skoda	Fabia, Octavia, Roomster, Superb, Yeti, Kodiaq	68018SU	69818SU	68018SUB	69818SUB
Subaru	Brat, BRZ, E10, Forester, Impreza, Jumbo, Justy, L1800, Legacy, Leone, Libero, Loyale, Outback, Sedan, Station, SRX, SVX, Turismo, Tribeca, Vivo, XT	84862SU	69413	84862SUB	
	Justy G3X	67179SU	69779SU	67179SUB	69779SUB
Suzuki	Alto, Baleno, Carry, Escudo, GTi, Gxi, Ignis (till '04), Impreza, Jimmy, Kizashi, Liana, LJ80, Samurai, Santana, Sidekick, SJ 410, 413, Sprint, Swift ab '90, Swift 1.3, Swift 1.6, Vitara, Vivo, Wagon R+	84862SU	69413	84862SUB	
Toyota	4 Runner (4x4), Auris, Avensis, Blizzard, Camry, Carina, Celica, Corolla, Corona, Cressida, Crown, FX16, Hiace, Hilux, IQ, Landcruiser, Lite Ace, M3, MR2, Paseo, Previa, Prius, RAV4, Soarer, Starlet, Supra, Tercel, Verso, V8, Yaris (only for wheels with cone seat holes)	84557SU	69412	84557SUB	69415
Vauxhall	Ampera, Antara, Astra (from 11/'09), Cascada, Sintra, Zafira Tourer	84557SU	69412	84557SUB	69415
Volkswagen	Bora, Caddy (from '04), Corrado VR6, Eos, Golf IV, Golf V, Golf VI, Golf VII, Jetta (from '05), New Beetle, Passat (from '96), Passat CC, Phaeton, Polo (from '02), Scirocco, Tiguan, Touran	68018SU	69818SU	68018SUB	69818SUB
	Amarok, T5, T6, Touareg	68044SU	69844SU	68044SUB	69844SUB
Volvo	740, 750, 760, 765, 780, 940, 960, C30, C70 (ab '06), S40, S60, S80, S90, V40, V40 Cross Country, V50, V90, XC60, XC70, XC90	67205SU	69705SU	67205SUB	69705SUB

The applications in this list are only recommendations that are given to the best of our knowledge.

McGard assumes no responsibility for the correctness of the application contained within this printed literature. The information listed by McGard is only a guide. McGard assumes no responsibility for misapplication or misuse of the information contained within this printed literature. The user must verify with the vehicle manufacturer and the wheel manufacturer the correct lug nut/bolt thread size, length and shape of seat (cone, radius or flat seat) before installing lug nuts/wheel locks.

McGard reserves the right to make changes in specification and design without any prior notice, or incurring responsibility.

Lug Nuts

We tested our regular and bulge style acorn lug nuts against four competitors in a CASS (copper-accelerated acetic acid-salt spray) chamber. This test was developed by the American Electroplaters Society to measure the specific corrosion resistance of nickel-chromium platings. It involves subjecting plated parts to a salt solution at a specific temperature, pressure and length of time to emulate exposure to the elements. Accelerated tests like these are employed by car manufacturers to measure quality and performance.

A 22 hr. CASS cycle is considered to be equivalent to one year of exposure in Detroit weather conditions. Before each 22 hr. CASS cycle the lug nuts were installed and removed using a lug wrench to simulate normal use.

As you can see by these unretouched photos, our lug nuts look great even after 1, 3 and 5 years of exposure. If you were to wipe off the residue from the CASS test you'd have a hard time telling they weren't new. Unlike the other brands, McGard lug nuts are designed and built to be used!

New lug nuts look great, but...



Brand New Lug Nuts



approx. 1 year of exposure, 22 hours



approx. 3 years of exposure, 66 hours

Look who's shining now!



approx. 5 years of exposure, 110 hours

unique individual special

You want to upgrade the appearance of your wheel rim and search for something special and unique?

McGard offers the possibility to laser engrave lug bolts and lug nuts with your initials or the Logo of your choice.



Customised Wheel Installation Box



The personalized wheel installation box consists of 20 lug bolts, 4 locking bolts and 2 keys. The complete set comes in a beautiful luxury wooden box.



Marine

The Finest
Marine Security
Products Available

McGard offers the most complete line of marine security fasteners in the industry. These products include Stern Drive Locks, Propeller locks and Outboard Motor Locks. Machined from stainless steel and naval brass, these products are built to withstand the demands of a harsh marine environment. Chrome plated Trailer Wheel Locks and matching Lug Nuts are also offered.

Application	Thread Size	Part No.
Stern Drive		
MerCruiser® Alpha I, Bravo I (Incl. X & XR), TRS, Vazer, OMC Cobra & King Cobra	3/4 - 16	74039
All Yamaha	M 18 x 1,5	74040
MerCruiser® Bravo III (up to 2003), Blackhawk	1-14	74053
Volvo DP-S (Duo-Prop)	M 22 x 2,0	74057
Outboard		
MerCruiser® III SSM, IV SSM, V SSM, VI SSM, NXT	1-14	74058
Outboard		
Mercury/Mariner 70 HP and larger (ex.225 HP 4 stroke before 2005) Mercury Bigfoot 40 HP , 50 HP, 60 HP (4 stroke) Optimax 75 HP and larger Verado 135HP and larger Johnson/Evinrude 150 HP and larger (2 stroke)	3/4-16	74039
Honda 75 HP and larger Suzuki 40 HP and larger Yamaha 115 HP and larger	M 18 x 1,5	74040
Johnson/Evinrude 40-140 HP (2 stroke) (Some 90 HP & 130HP may have a 3/4-16 shaft)	5/8-11	74052
Nissan 40 HP and larger Tohatsu 40 HP and larger Honda 40-50 HP	M 16 x 1,5	74056

McGard is not responsible for changes to thread sizes by the manufacturer. Verify the correct thread size and application before installing locks.





Yamaha Lower Unit Lock

Application	Thread Size	Part No.
Yamaha F115-F350 L&X* Shaft Engines *Except F150TXR Fits most Yamaha V4 & V6 2 strokes	M 12 x 1,25	74059



Outboard Motor Lock

Application	Thread Size	Part No.
Mercury/Mariner 40 HP and larger (2 stroke) Mercury 25 HP and larger (4 stroke) Suzuki 150 - 300 HP	1/2 - 20	74036
Yamaha 40 HP and larger (2 stroke) Yamaha 30 HP and larger (4 stroke) Honda 40 HP and larger Suzuki 25 - 140 HP (2005 and newer)	M 12 x 1,25	74037
Johnson/Evinrude 40 HP and larger (2 stroke)	1/2-13	74038
* Fits most of the following outboards: Honda 8-20 HP, Johnson/Evinrude 6-30 HP, Mercury/Mariner 8-25 HP, Nissan 8-18 HP, Suzuki 8-30 HP, Tohatsu 8-18 HP, Yamaha 8-25 HP (lock may fit some 2 strokes up to 30 HP, verify hole diameter).	5/16-18	74049
* Will fit other small outboards with a 5/16" hole in the transom bracket for mounting the motor (stainless steel bolts included in set).		
Nissan 25 HP and larger Suzuki 25 - 140 HP (2004 and earlier) Tohatsu 25 HP and larger Johnson/Evinrude 40 HP and larger (4 stroke)	M 12 x 1,75	74054

Stern Drive Lock

Application	Thread Size	Part No.
MerCruiser® Alpha, Bravo I-III (Incl. X & XR), Blackhawk OMC Cobra & King Cobra Volvo SX, DP-S	7/16 - 20 Single Drive Twin Drive*	74018 74019
MerCruiser® TRS & II SSM	1/2 - 20 Single Drive Twin Drive*	74022 74023
Yamaha	M 12 x 1,25 Single Drive Twin Drive*	74024 74025
MerCruiser® III SSM, IV SSM, V SSM, VI SSM, NXT	5/8 - 18 Twin Drive*	74026

*Twin Drive sets include 2 locks and 1 key.



Trailer Wheel Locks and Lug Nuts

Application	Thread Size	Total Length	Part No.
Cone Seat 60°			
4 wheel locks for double-axle trailer	1/2 - 20	36.8mm	74041
2 wheel locks for double-axle trailer	1/2 - 20	36.8 mm	74042
10 lug nuts	1/2 - 20	38.1 mm	74043



CARAVAN LOCKS



Thread Size	Seat	Shaft Length	Hex Size	Part No.
Cone Seat 60°				
M14x1.5	60°	30.0 mm	21 mm	27565SU
M16x1.5	60°	30.0 mm	21 mm	27566SU

A very special nut, a McGard locking wheel nut.

McGard wheel locks protect your valuable wheels and tires from theft. Having your wheels and tires stolen could leave you stranded in a bad place at the worst possible time. Not to mention the insurance deductibles, wasted time and your inconvenience. Do not become a target for theft.

The minimal cost of McGard wheel locks is a small price to pay for peace of mind.



Truck Locks



Wheel Locks for Trucks

FLEET OWNERS AND OPERATORS:
Wheel & tire theft is one thing you can't afford.

For less than the cost of one tyre, you can protect a complete Tractor and Trailer and avoid:

- Increased insurance costs
- Scheduling and delivery delays
- Additional expenses for downtime
- Thousands of Euros in stolen equipment
- Loss of perishable load
- Lost business
- Possible vehicle damage

Your answer to around the clock wheel & tyre security is McGard.

Wheel locks are easy to install and very effective as a theft deterrent. Simply replace one lug on each wheel for disc styles, and two for spoke. There are no moving parts to corrode or jam. Each lock has a specially coded pattern milled into it that engages with the corresponding pattern on the key/adaptor tool. McGard offers a wide range of key patterns for added security and your fleet's pattern will be registered with us to make ordering additional locks or keys quick & easy. All locks are made of high quality alloy steel and through hardened for strength & durability. McGard wheel locks can be installed to the recommended torque for your lug nuts using an impact style or standard lug wrench. Your wheel locks are designed and manufactured for many years of trouble free protection – and peace of mind.

Pickup, Van & SUV Locks



Spare Tyre & Road Wheel 5-Lock Sets

Wheel & tire security for sport/utility vehicles with Original Equipment exterior spare tyre carriers. Identical to our 4 lock cone seat sets, except each kit contains 4 locks for the road wheels and 1 lock for the spare tyre, with one matching key for all 5 locks.

YEAR/MAKE/MODEL	THREAD SIZE	OVERALL LENGTH	KEY HEX SIZE	PART NO. CHROME	PART NO. BLACK
CHEVROLET/GEO:					
91-02 S-10 Blazer 2 Door	M12x1.5	1.46"	3/4	24537	24526
83-90 S-10 Blazer	M12x1.5	1.46"	3/4	24537	24526
69-91 4x4 Blazer Full Size	7/16-20	1.46"	3/4	24532	
91-04 Tracker	M12x1.25	1.28"	3/4	24552	
DODGE:					
87-89 Raider	M12x1.5	1.28"	13/16	24557	
71-92 Ramcharger	1/2-20	1.46"	3/4	24538	24548
FORD:					
66-93 Bronco	1/2-20	1.46"	13/16	24530	
83-90 Bronco II	1/2-20	1.46"	3/4	24538	24548
GMC:					
91-02 S-15 Jimmy 2 Door	M12x1.5	1.46"	3/4	24537	24526
83-90 S-15 Jimmy	M12x1.5	1.46"	3/4	24537	24526
69-91 4x4 Jimmy Full Size	7/16-20	1.46"	3/4	24532	
HONDA:					
all models	M12x1.5/R12	29.9 mm	19mm	25002	
HUMMER:					
03-09 H2 Exposed Chrome	M14x1.5	1.965"	22mm	24510	
03-09 H2 Under Hub Cap	M14x1.5	.893"	22mm	24519	
JEEP:					
60-13 CJ, Wrangler, Liberty	1/2-20	1.46"	3/4	24538	24548
	1/2-20	1.60"	13/16	25540 Tuner	25540BK Tuner
MINI:					
87-91 Montero Cone Seat Only	M12x1.5	1.28"	13/16	24557	
SUZUKI:					
86-11 Samurai, Sidekick, Vitara, Grand Vitara	M12x1.25	1.28"	3/4	24552	
TOYOTA:					
96-11 RAV4 Cone Seat Only	M12x1.5	1.28"	13/16	24557	
Flat Seat	M12x1.5	35 mm	21mm	21556	

Tailgate Lock

Unlike other tailgate locking systems, once our lock is installed it never needs to be removed to open or close your tailgate. Install it once for around the clock theft protection. No keys or handle covers. Quick & easy installation with common tools, no modifications required. McGard has the answer for simple and effective security!

Part Number: 76029

APPLICATION	YEAR
Chevrolet: Avalanche	2007-2013
Colorado	2012 & 2015-2016
Silverado	
(except 2007 Classic)	
Dodge/Ram: Dakato	1997-2011
Ram Full Size	1994-2016
Ford: Explorer Sport-Trac	2001-2010
Full -150	1997-2016
(and 97-99 Light Duty F-250)	
Ranger	1998-2011
Super Duty	1998-2016
GMC: Canyon	2012 & 2015-2016
Sierra	2007-2016
(except 2007 Classic)	
Lincoln: Mark LT	2005-2008
Nissan: Frontier	2012
Titan	2004-2016
Toyota: Tacoma	2012
Tundra	2000-2016

Door & Center Cap Locks



Door Lock

Application	Year	Thread Size	2-Door	4-Door
Protect your removable doors from theft! Simply replace the lower hinge nuts with McGard door lock nuts. Does not interfere with normal operation of your doors.				
Jeep Wrangler JK & Unl. JK	07-2015	M6x1.0	76057	76057
Jeep Wrangler TJ & Unl. LJ	97-06	M6x1.0	76058	-
Jeep Wrangler YJ	87-95	5/16-18	76059	-

Center Cap Lock

Thread Size	Seat	Shaft Length	Head Diameter	Part No.
Security for aluminum wheels with bolt - on lug covers, or center caps				
M8x1.25	60°	34.8 mm	12.3 mm	77785
M8x1.25	60°	36.8 mm	15.6 mm	77784
M8x1.25	flat	38.1 mm	12.3 mm	77751
M8x1.25	flat	38,1 mm	15.6 mm	77796
M8x1.25	60°	43.3 mm	15.6 mm	77797
M8x1.25	60°	49.5 mm	15.6 mm	77596



Accessories

Nylon Caps

Attractive cap design allows multi-purpose locks to be used in exposed applications. All come packaged four to a set.



- Caps for „Racing“ Lug Nuts **Part No. 70002**
(black)
- Replacement caps for lock set 24018 and 24019 **Part No. 70004**
(black)
- Caps for lock sets 24010 - 24013 **Part No. 70005**
(black)
- Part No. 70006**
(chrome)

Stainless Steel Washers

McGard offers a select line of polished stainless steel washer to cover a wide variety of wheel applications.



STYLE	Thickness	Inside DIA.	Outside DIA.	Part No.
Standard Mag (pkg/10)	.125"	.693"	1.06"	78711
Standard Mag (pkg/20)	.125"	.693"	1.06"	78710
Standard Mag (box/100)	.125"	.693"	1.06"	78712
Cragar Center Hole (pkg/10)	.164"	.695"	1.224"	78713
Cragar Center Hole (pkg/100)	.164"	.695"	1.224"	78719
Cragar Offset Hole (pkg/10)	.164"	.697"	1.248"	78714
Duplex Mag (pkg/8)	.125"	.750"	1.125"	78715

Storage Pouch

This handy key storage pouch holds one wheel lock key. It keeps the key secure for convenient key storage together with the original vehicle tools and helps prevent keys from getting mislaid.



Part No. 70007

Replacement Plugs

Black nylon allen plugs for use with our Drag Racing line of lug nuts.



Package of 4 replacement plugs

Part No. 70002



Service Hotline
00 800 – 25 99 34 00
cs@mcard.de

Customer

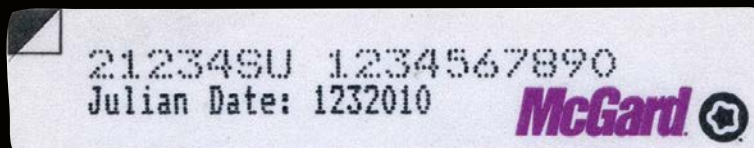
*Ordering replacement keys
- made easy!!!*



1. The easiest way to order a McGard replacement key is via our web-shop:

shop.mcard.de

Entering the 17/18 digit code number, which you will find printed in the installation instruction of each McGard wheel lock set, you can order the right replacement key very easily online.



2. Defective keys will be replaced free of charge, if they are returned to McGard prepaid and adequately packaged. The defective keys have to be in house at McGard before a replacement will be delivered. Send only the defective key - not the complete set - together with your address and the code number from your code card, to this address:

McGard Deutschland GmbH
Nordstraße 12
D-74226 Nordheim
GERMANY

TIP



Our key pouch enables an ideal keeping directly at the vehicle tools.

www.mcard.de

Service



3. In case you do not have the 17/18 digit code number available please send a digital photo to cs@mcgard.de
We can find out the right code for you and send you a replacement key.



4. Of course you can also contact us in written form, by e-mail, by fax, or by phone.
Please use the following contact details:

McGard Deutschland GmbH
Nordstraße 12
D-74226 Nordheim
GERMANY

e-mail: cs@mcgard.de
www.mcgard.de
Phone: +49 (0) 7133 9019 0
Telefax: +49 (0) 7133 9019 32

Our Service-Hotline: 00800 25 99 34 00
(free of charge for D, F, GB, I, E, NL, S, P, PL)

Development and Engineering



Manufactured to Last a Lifetime

The McGard Engineering Staff utilizes the knowledge gained through years of experience in developing OEM and aftermarket security programs. We listen closely to the needs of customers. Our continuous R&D program and hands-on product development approach enables us to meet current and future needs. All McGard products are designed to exacting specifications for customer applications using state-of-the-art technology. The principle of engineered quality is carried through every phase of design, manufacturing, and customer service. We employ the philosophy of continuous improvement in all aspects of our business.

Unsurpassed Quality

The McGard Quality System (MQS) was developed company-wide specifically to meet the requirements of our business and our customers. A major ingredient of MQS is that every employee is responsible for the end quality of our product. McGard is proud to be ISO/TS 16949 certified which encompasses and exceeds the elements of the 9001 certifications McGard previously attained.

McGard's worldwide presence continues to grow with three principal operations located in the United States, Germany and Japan. Through these facilities McGard makes security products available to our customers the world over, providing the best service and support possible. McGard's Headquarters is a modern 314,000 square foot facility located in Orchard Park, New York. Engineering, quality assurance, manufacturing, plating, set production and customer service are all housed in this world-class facility.



Advertising Material

TIP

use our configurator on www.mcgard.de



Bolt Display



10-SET

48-SET



24-SET



The Original



ULTRA HIGH SECURITY



TUNER



BLACK EDITION

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