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SUNFLOWER[®]

Brand Concept & Product Positioning SUNFLOWER© is a creative concept by GREDDY®. Inspired by the organic geometry of nature, the designers have translated the elegant silhouette of sunflower petals into an innovative, high-security wheel fastener range. This high-performance anti-theft bolt and nut lineup is custom-engineered specifically for aftermarket alloy wheels.

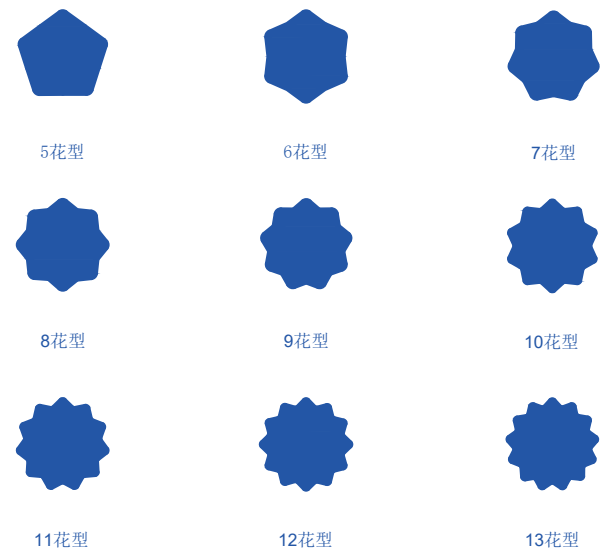
Manufacturing Strength The OEM production of SUNFLOWER© is powered by SUPERRAYS. Backed by 17 years of specialized expertise in manufacturing premium alloy wheel bolts and nuts, SUPER-RAYS guarantees mature craftsmanship, rigorous quality control, and field-proven reliability.

Product Performance Features SUNFLOWER© delivers professional-grade, comprehensive performance in a compact, lightweight architecture. Its mechanical properties are fully compliant with international ISO standards, achieving a tensile strength above Class 12.9 for bolts and Class 10 for nuts. Forged from high-purity MnTi alloy steel, the hardware provides exceptional long-term corrosion resistance alongside a highly recognizable, exclusive aesthetic.

Product Structural Design The product portfolio encompasses two complete lines: wheel bolts and wheel nuts. Its signature feature is a multi-petal, symmetrical flower-shaped spline structure that meticulously replicates the texture of sunflower petals.

Surface Treatment SUNFLOWER© offers two premium surface finishes: Chrome and Black Chrome. Both advanced coating processes provide superior corrosion and oxidation resistance, ensuring excellent rust-proof and fade-resistant performance even under prolonged, harsh driving conditions.

Packaging & Matching Tools The series comes exquisitely packaged in customized GREDDY flagship gift boxes, available in two configurations: 20pcs and 24pcs. Each set comes standard with a dedicated flower-pattern anti-theft key and a dual-hex adapter wrench. An exclusive pneumatic socket wrench is also available separately as an optional accessory.



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SUNFLOWER © Core Advantages

SUNFLOWER © GREDDY wheel bolts and nuts achieve dual breakthrough innovation in structural design and functional application, bringing multiple core values for driving safety and installation convenience: Supported by the professional brand accumulation of GREDDY®, strict control is implemented across all materials, manufacturing processes, and structural designs, providing reliable professional protection for driving safety.

The series is available in 8 exclusive flower types ranging from 6 petals to 13 petals, with double-reinforced anti-theft structure for greatly improved security. The original design is fully copyrighted; any imitation, plagiarism and reproduction are strictly prohibited.

The regular symmetrical multi-flower anti-theft key ensures uniform torque transmission and higher efficiency during tightening and loosening, preventing tool slippage and thread damage.

Nuts are made of MnTi alloy steel and processed by special heat treatment, certified to Class 10 and Class 12, featuring high mechanical strength, impact resistance and fracture resistance.

Bolts are made of MnTi alloy steel and SCM440 alloy steel, reaching Class 10.9 and Class 12.9 high-strength standards, with stable mechanical performance to protect long-term driving safety.

Custom-developed chrome and black chrome finishes fully protect the inner cavity and thread structure of nuts, effectively isolating moisture and oxidation, preventing corrosion and keeping threads precise and durable for years.

All bolts and nuts are matched with original SUNFLOWER © dedicated flower-shaped keys for precise fitting, smooth assembly and disassembly, as well as superior compatibility and durability.



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SUNFLOWER BOLTS

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SUNFLOWER LUG KEYS





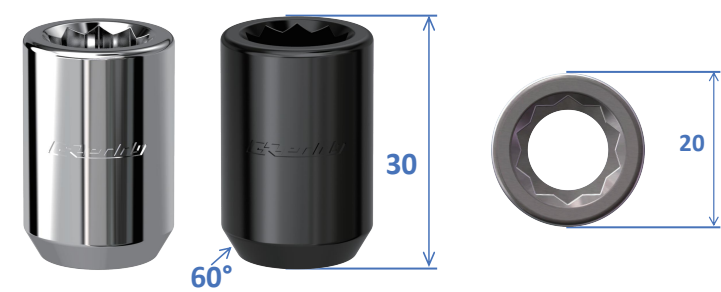
SUNFLOWER NUTS

20mm Outside Diameter
23mm Outside Diameter

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M28-30

20mm OUTSIDE DIAMETER
30mm LENGTH



Part No.	Thread	Style	Seat	Strength Class	Finish	Corrosion Resistance
M28C1Cr30C	12x1.25	OPEN	60°	10	Chrome	> 168h SST
M28C2Cr30C	12x1.5					
M28C1BLK30C	12x1.25	OPEN	60°	10	Black Chrome	> 300h SST
M28C2BLK30C	12x1.5					

M28-36

20mm OUTSIDE DIAMETER
36mm LENGTH



Part No.	Thread	Style	Seat	Strength Class	Finish	Corrosion Resistance
M28C1Cr36C	12x1.25	OPEN	60°	10	Chrome	> 168h SST
M28C2Cr36C	12x1.5					
M28C1BLK36C	12x1.25	OPEN	60°	10	Black Chrome	> 300h SST
M28C2BLK36C	12x1.5					

B28

20mm OUTSIDE DIAMETER
Various Length Options



Part No.	Thread Length	Thread	Seat	Strength Class	Finish	Corrosion Resistance
B28C1Cr28C	28	12x1.25	60°	10.9	Chrome	> 168h SST
B28C1Cr35C	35	12x1.25				
B28C1Cr40C	40	12x1.25				
B28C3Cr28C	28	14x1.5				
B28C3Cr35C	35	14x1.5				
B28C3Cr40C	40	14x1.5				
B28C4Cr28C	28	14x1.25				
B28C4Cr35C	35	14x1.25				
B28C4Cr40C	40	14x1.25	60°	10.9	Black Chrome	> 300h SST
B28C1BLK28C	28	12x1.25				
B28C1BLK35C	35	12x1.25				
B28C1BLK40C	40	12x1.25				
B28C3BLK28C	28	14x1.5				
B28C3BLK35C	35	14x1.5				
B28C3BLK40C	40	14x1.5				
B28C4BLK28C	28	14x1.25				
B28C4BLK35C	35	14x1.25				
B28C4BLK40C	40	14x1.25				

S28

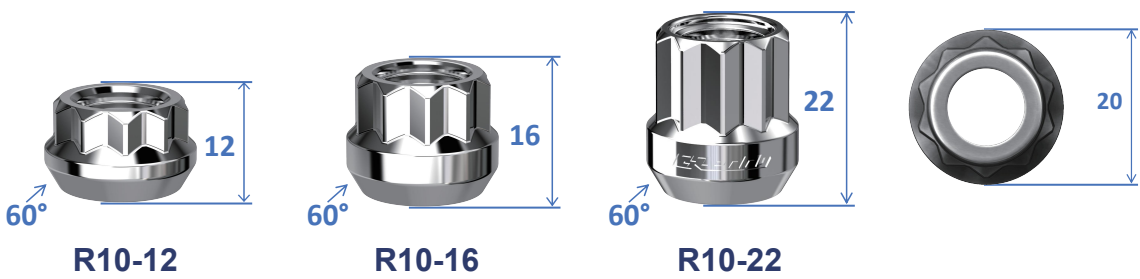
KEY FOR M28/B28



Part No.	Strength Class	Finish	Corrosion Resistance	Key For
S28-1719	12.9	Black E-coating	> 96h SST	M28
S28-1921	12.9	Black E-coating	> 96h SST	B28

R10

20mm OUTSIDE DIAMETER
Open-End Lug Nut Series



Part No.	Thread	Style	Seat	Strength Class	Finish	Corrosion Resistance
R10C2Cr12C	12x1.5	OPEN	60°	10	Chrome	> 168h SST
R10C2Cr16C	12x1.5					
R10C2Cr22C	12x1.5					

R10-33

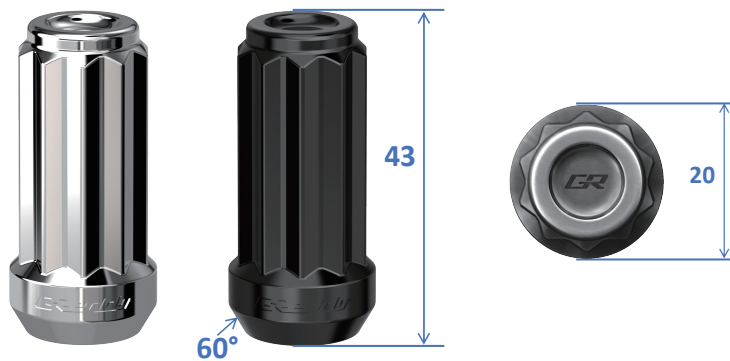
20mm OUTSIDE DIAMETER
33mm LENGTH



Part No.	Thread	Style	Seat	Strength Class	Finish	Corrosion Resistance
R10C1Cr33C	12x1.25	CLOSED	60°	10	Chrome	> 168h SST
R10C2Cr33C	12x1.5					
R10C1BLK33C	12x1.25	CLOSED	60°	10	Black Chrome	> 300h SST
R10C2BLK33C	12x1.5					

R10-43

20mm OUTSIDE DIAMETER
43mm LENGTH



Part No.	Thread	Style	Seat	Strength Class	Finish	Corrosion Resistance
R10C1Cr43C	12x1.25	CLOSED	60°	10	Chrome	> 168h SST
R10C2Cr43C	12x1.5					
R10C1BLK43C	12x1.25	CLOSED	60°	10	Black Chrome	> 300h SST
R10C2BLK43C	12x1.5					



20+1PCS/SET

R20

23mm OUTSIDE DIAMETER
Open-End Lug Nut Series

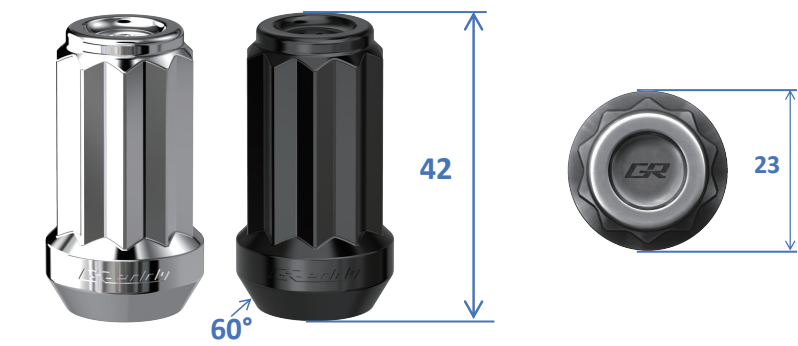


Part No.	Thread	Style	Seat	Strength Class	Finish	Corrosion Resistance
R20C2Cr20C	12x1.5	OPEN	60°	10	Chrome	> 168h SST
R20C3Cr20C	14x1.5					
R20C5Cr20C	1/2"-20					
R20C2Cr26C	12x1.5					
R20C3Cr26C	14x1.5					
R20C5Cr26C	1/2"-20					

Other threads can be customized.

R20-42

23mm OUTSIDE DIAMETER
42mm LENGHT



Part No.	Thread	Style	Seat	Strength Class	Finish	Corrosion Resistance
R20C3Cr42C	14x1.5	CLOSED	60°	10	Chrome	> 168h SST
R20C2Cr42C	12x1.5					
R20C3BLK42C	14x1.5	CLOSED	60°	10	Black Chrome	> 300h SST
R20C2BLK42C	12x1.5					

Other threads can be customized.

R20-55

23mm OUTSIDE DIAMETER
55mm LENGTH



Part No.	Thread	Style	Seat	Strength Class	Finish	Corrosion Resistance
R20C3Cr55C	14x1.5	CLOSED	60°	10	Chrome	> 168h SST
R20C2Cr55C	12x1.5					
R20C3BLK55C	14x1.5	CLOSED	60°	10	Black Chrome	> 300h SST
R20C2BLK55C	12x1.5					

Other threads can be customized.



20+1PCS/SET



SUNFLOWER BOLTS

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20mm Outside Diameter
23mm Outside Diameter

G10

20mm OUTSIDE DIAMETER
CONE SEAT



Part No.	Thread Length	Thread	Seat	Strength Class	Finish	Corrosion Resistance
G10C1Cr28C	28	12x1.25	60°	10.9	Chrome	> 168h SST
G10C1Cr35C	35	12x1.25				
G10C1Cr40C	40	12x1.25				
G10C3Cr28C	28	14x1.5				
G10C3Cr35C	35	14x1.5				
G10C3Cr40C	40	14x1.5				
G10C4Cr28C	28	14x1.25				
G10C4Cr35C	35	14x1.25				
G10C1BLK28C	28	12x1.25	60°	10.9	Black Chrome	> 300h SST
G10C1BLK35C	35	12x1.25				
G10C1BLK40C	40	12x1.25				
G10C3BLK28C	28	14x1.5				
G10C3BLK35C	35	14x1.5				
G10C3BLK40C	40	14x1.5				
G10C4BLK28C	28	14x1.25				
G10C4BLK35C	35	14x1.25				
G10C4BLK40C	40	14x1.25				



20+1PCS/SET

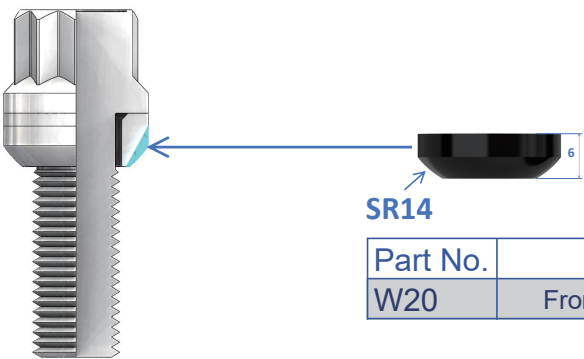
G20

23mm OUTSIDE DIAMETER
CONE SEAT(Removable)

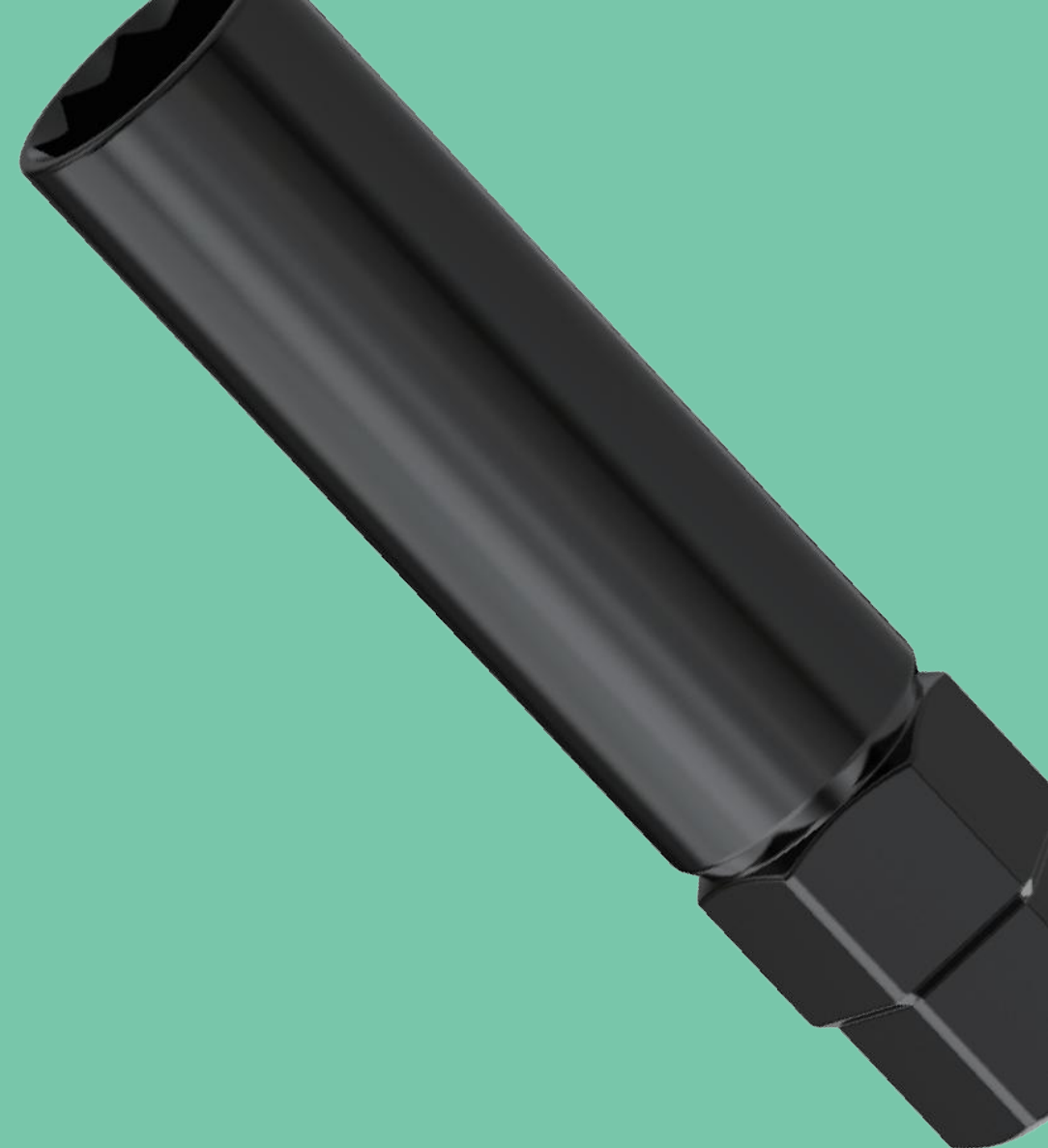
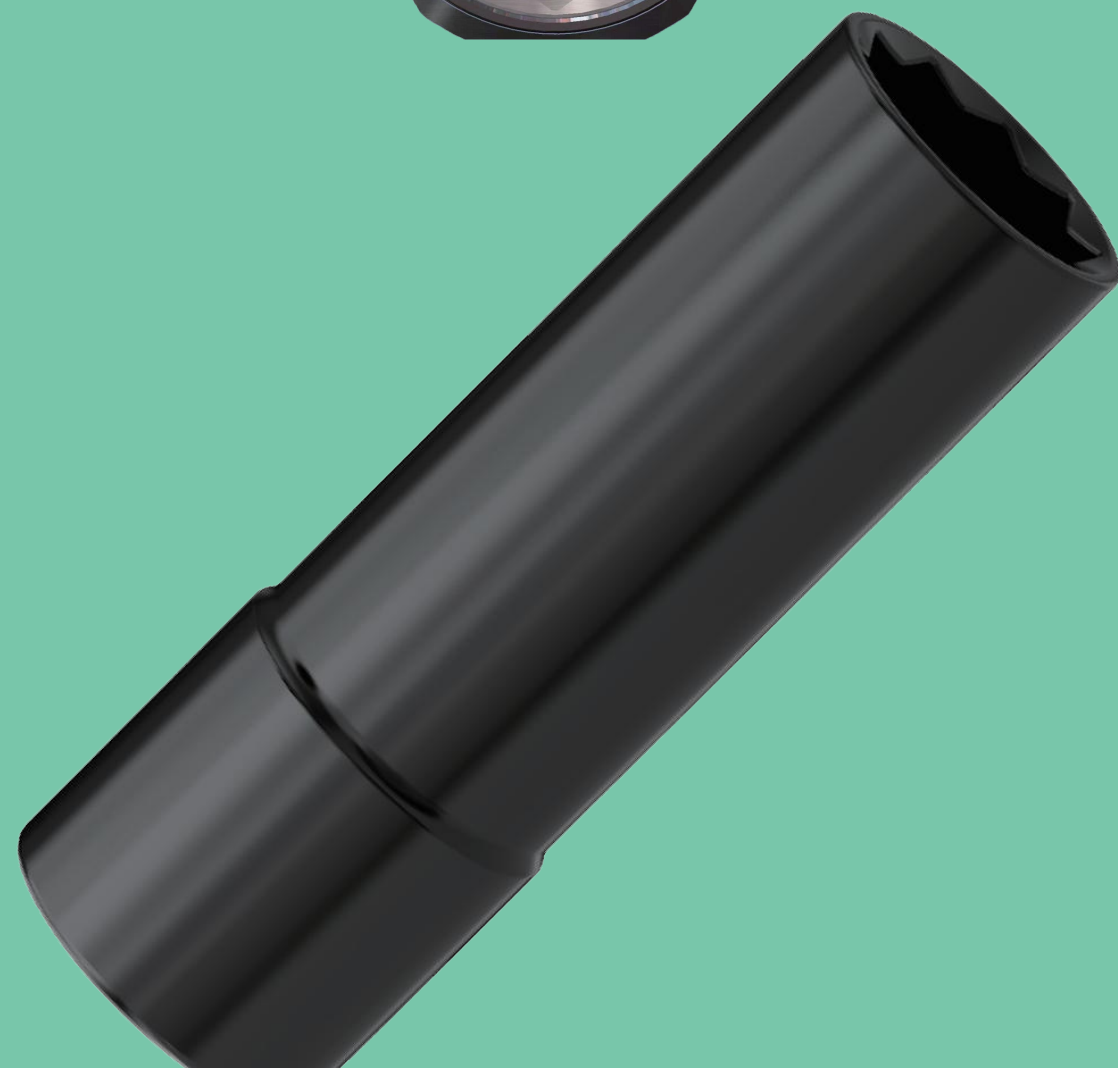
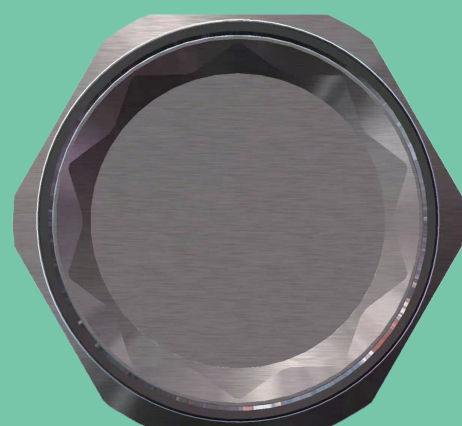


Part No.	Thread Length	Thread	Seat	Strength Class	Finish	Corrosion Resistance
G20C1Cr28C	28	12x1.25	60°	10.9	Chrome	> 168h SST
G20C1Cr35C	35	12x1.25				
G20C1Cr40C	40	12x1.25				
G20C3Cr28C	28	14x1.5				
G20C3Cr35C	35	14x1.5				
G20C3Cr40C	40	14x1.5				
G20C4Cr28C	28	14x1.25				
G20C4Cr35C	35	14x1.25				
G20C1BLK28C	28	12x1.25	60°	10.9	Black Chrome	> 300h SST
G20C1BLK35C	35	12x1.25				
G20C1BLK40C	40	12x1.25				
G20C3BLK28C	28	14x1.5				
G20C3BLK35C	35	14x1.5				
G20C3BLK40C	40	14x1.5				
G20C4BLK28C	28	14x1.25				
G20C4BLK35C	35	14x1.25				
G20C4BLK40C	40	14x1.25				

Conversion Washer



Part No.	Seat	Material
W20	From 60° To SR14	STEEL



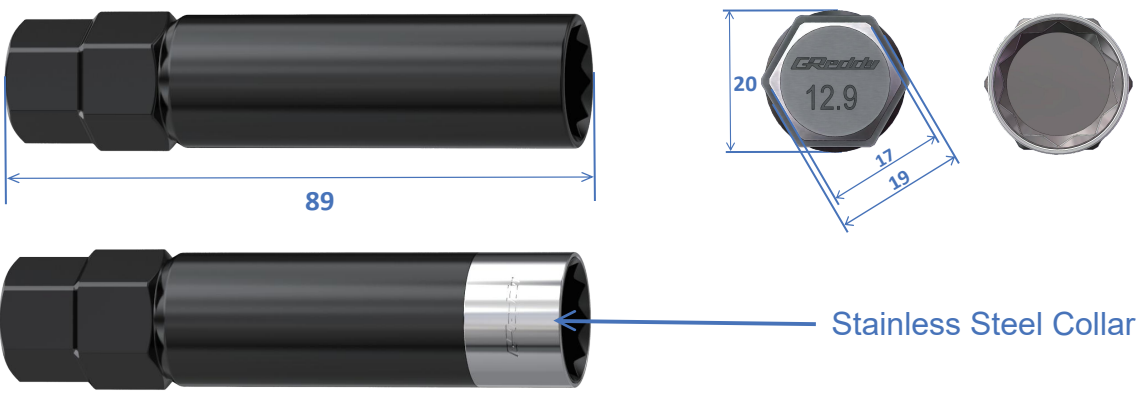
Keys

Sunflower Lug Keys

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S10-1719

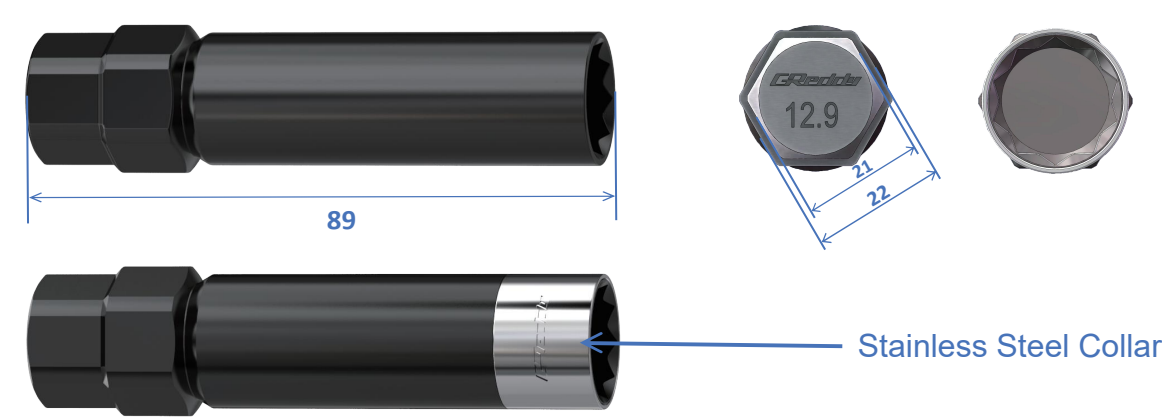
20mm OUTSIDE DIAMETER
17-19mm HEX



Part No.	Strength Class	Finish	Corrosion Resistance
S10-1719	12.9	Black E-coating	>96h SST
S10-1719ss	12.9	Black+S/S Collar	>96h SST

S10-1921

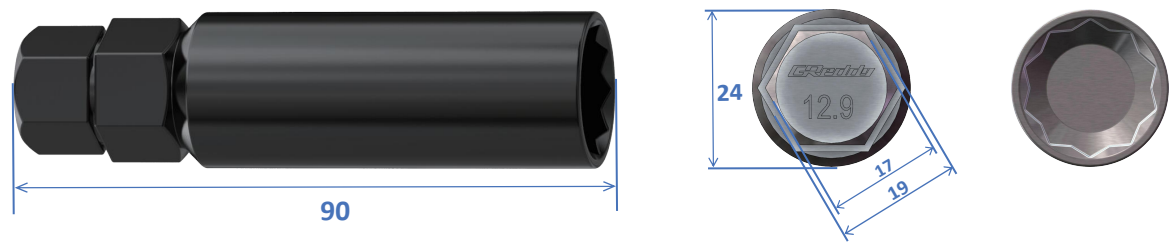
20mm OUTSIDE DIAMETER
19-21mm HEX



Part No.	Strength Class	Finish	Corrosion Resistance
S10-1921	12.9	Black E-coating	>96h SST
S10-1921ss	12.9	Black+S/S Collar	>96h SST

S20-1719

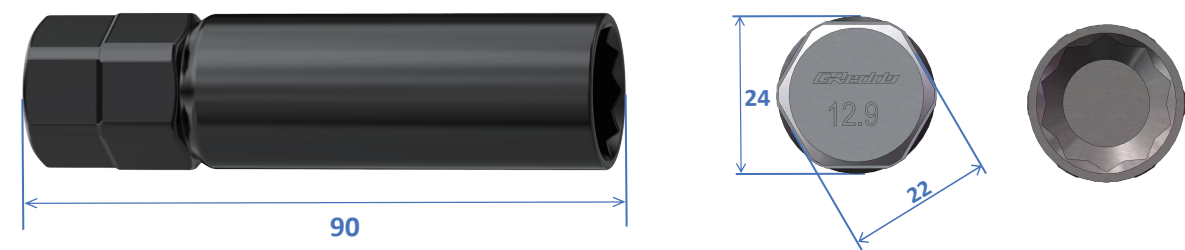
24mm OUTSIDE DIAMETER
17-19mm HEX



Part No.	Strength Class	Finish	Corrosion Resistance
S20-1719	12.9	Black E-coating	>96h SST

S20-2122

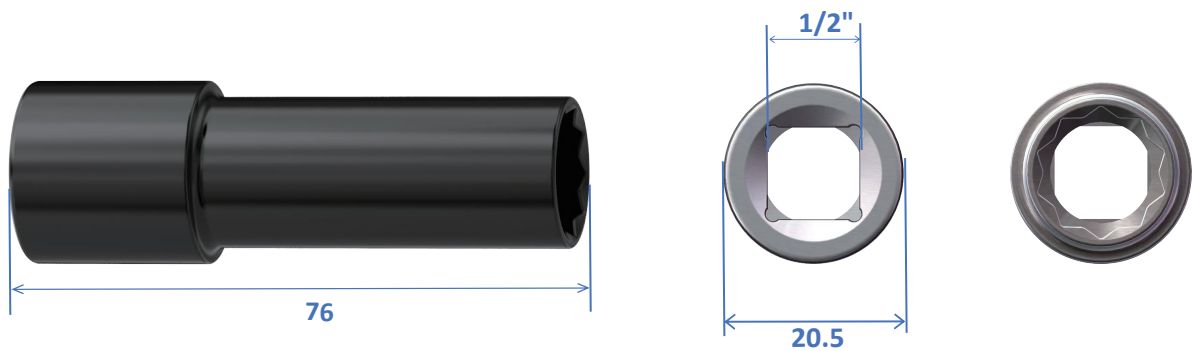
24mm OUTSIDE DIAMETER
21-22mm HEX



Part No.	Strength Class	Finish	Corrosion Resistance
S20-2122	12.9	Black E-coating	>96h SST

SA10

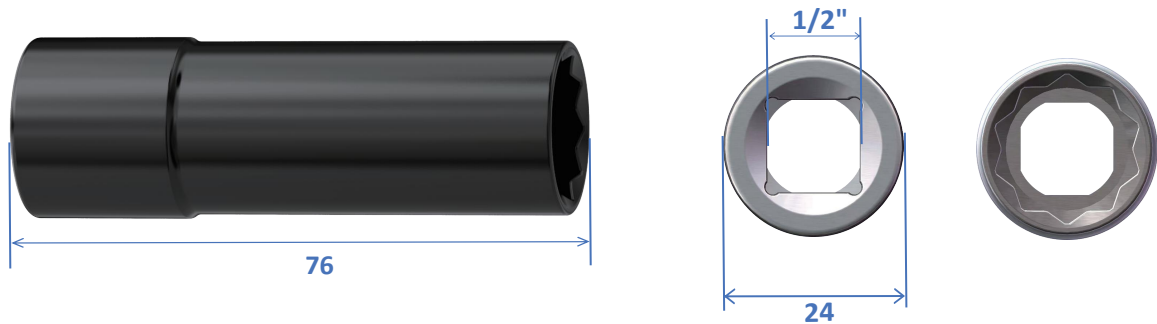
20.5mm OUTSIDE DIAMETER



Part No.	Inner Hex	Strength Class	Finish	Corrosion Resistance
SA10	1/2"	12.9	Black E-coating	>96h SST

SA20

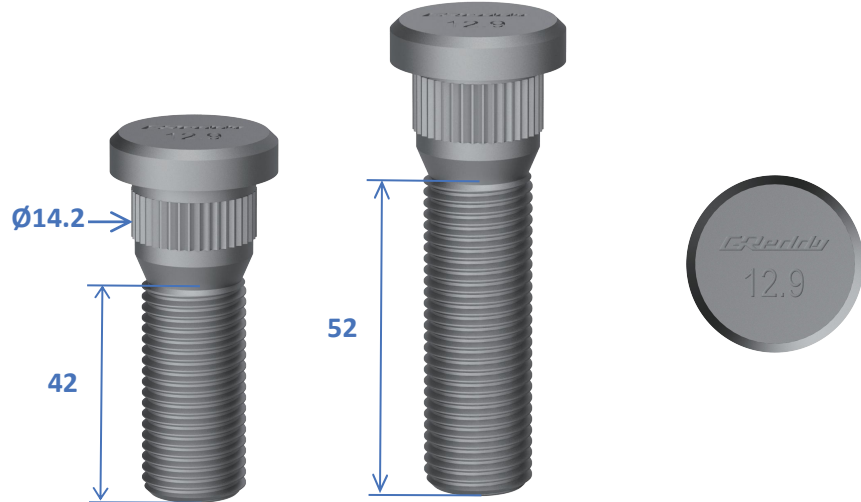
24mm OUTSIDE DIAMETER



Part No.	Inner Hex	Strength Class	Finish	Corrosion Resistance
SA20	1/2"	12.9	Black E-coating	>96h SST

WS01

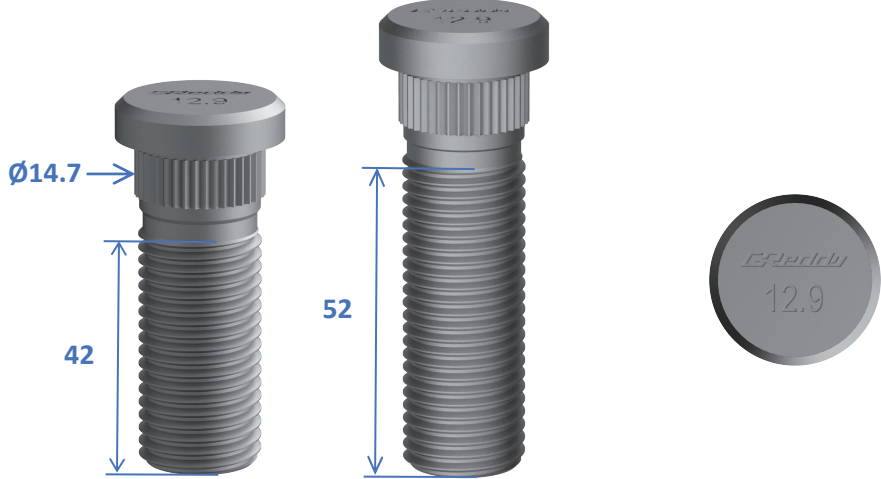
Knurled Wheel Stud



Part No.	Thread Length	Thread	Seat	Strength Class	Finish	Corrosion Resistance
WS01	42	12x1.25	Head Ø 18	12.9	Dacromet	> 300h SST
WS01	52	12x1.25				
WS01	42	12x1.5				
WS01	52	12x1.5				
WS01	42	1/2"-20				
WS01	52	1/2"-20				

WS02

Knurled Wheel Stud



Part No.	Thread Length	Thread	Seat	Strength Class	Finish	Corrosion Resistance
WS02	42	14x1.5	Head Ø 18	12.9	Dacromet	> 300h SST
WS02	52	14x1.5				