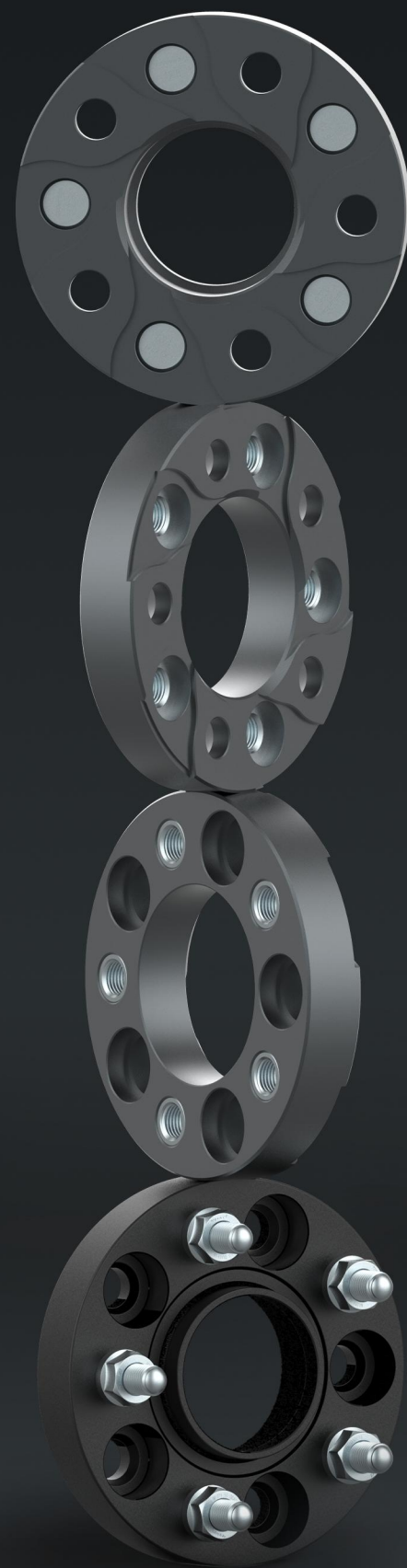




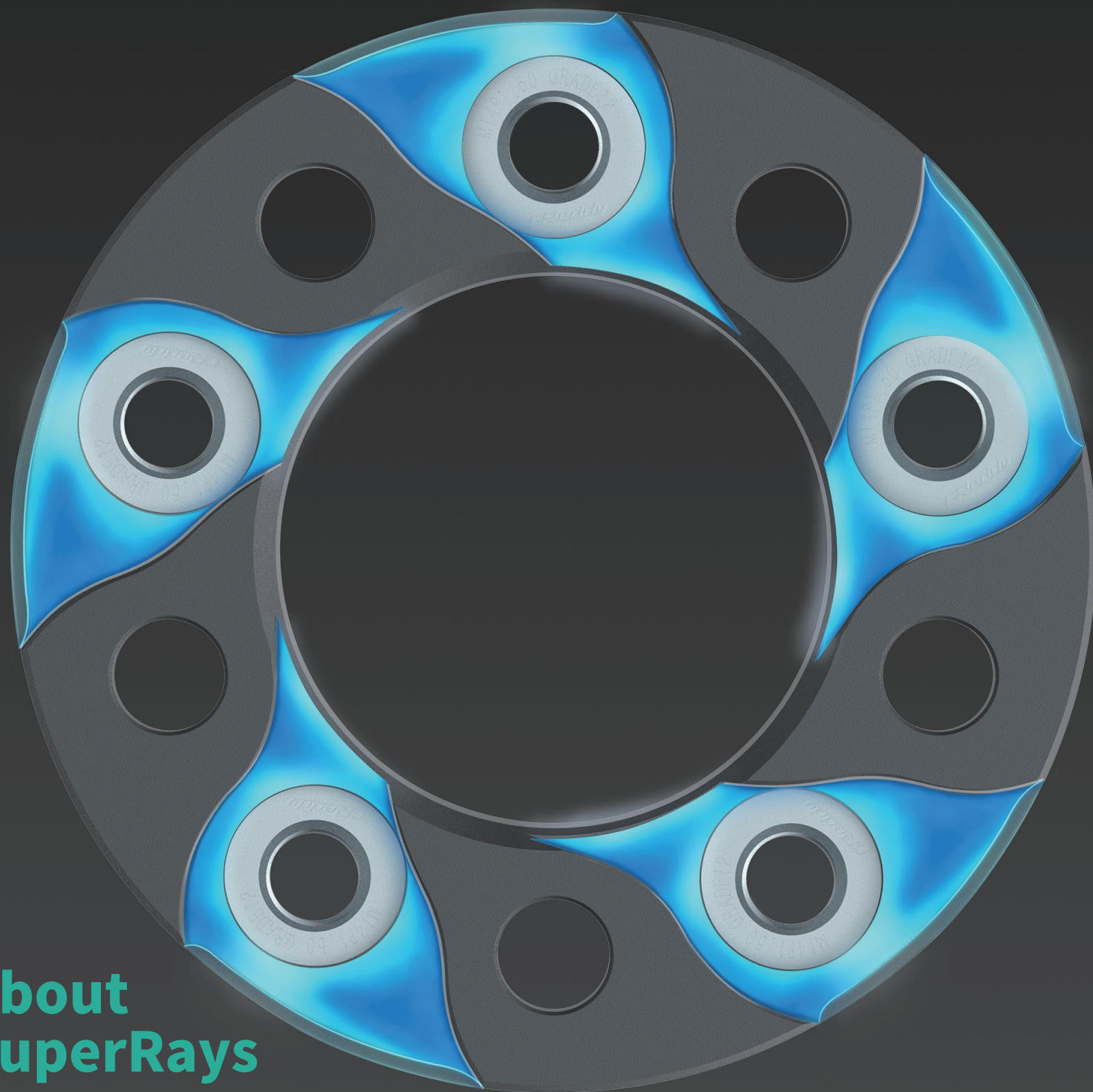
Made by Super Rays
Changzhou Super Rays Auto Accessories Co., Ltd

www.super-rays.cn



WHEEL ADAPTERS
CATALOGUE





About SuperRays

Changzhou Super Rays (est. 2009) is a National High-Tech Enterprise specializing in the R&D, production, and global supply of automotive wheel accessories. Our product range includes wheel nuts, wheel bolts, wheel locks, wheel spacers, adapters, hub centric rings, and tire valves.



600⁺
万月产量



100⁺
服务团队



900⁺
产品类型



40⁺
国家地区

Changzhou Super Rays, established in 2009, is a professional company integrating R&D, sales, and service of auto wheel accessories. In 2020, the company won the title of national high-tech enterprise. Its main products include wheel nuts, wheel bolts, wheel locks, wheel spacers, adapters, hub rings, and tire valves.

Our company is located in Changzhou City, Jiangsu Province, the central city of China's Yangtze River Delta metropolitan area, with convenient land, sea, and air transportation advantages. It is only 45 minutes by high-speed train from Shanghai. The company has a production area of more than 8,000 square meters, 8 multi-station cold heading machines, 3 forging punchers, more than 80 CNC machines, 36 automatic tapping machines, and a multi-functional quality monitoring laboratory, realizing a production capacity of 70 million products per year. Our core team has many years of experience in manufacturing and quality monitoring, and runs the quality management system of German TÜV certification ISO 9001:2015 and IATF 16949:2016, committed to professional production and considerate customer service to provide quality automobile wheel accessories for customers all over the world.

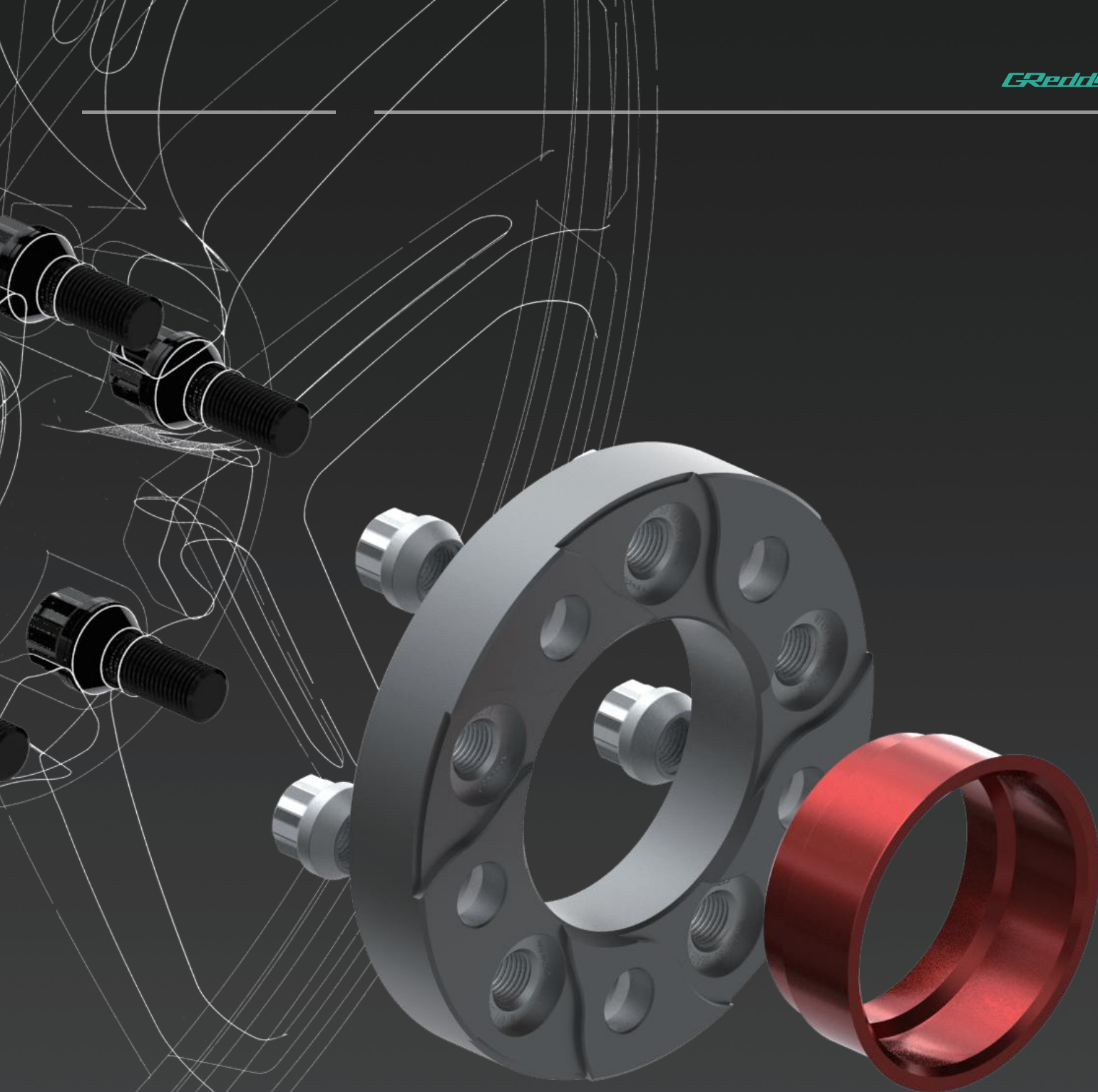
Our wheel accessories products and brands sell well all over the world. Our products are exported to North America, Russia, Southeast Asia, Australia, and other countries/regions. Our company has a strong ability to undertake OEM and ODM orders and can provide all-round precision manufacturing and supply services of wheel accessories for users all over the world.



Wheel Adapter Manufacturing Facility

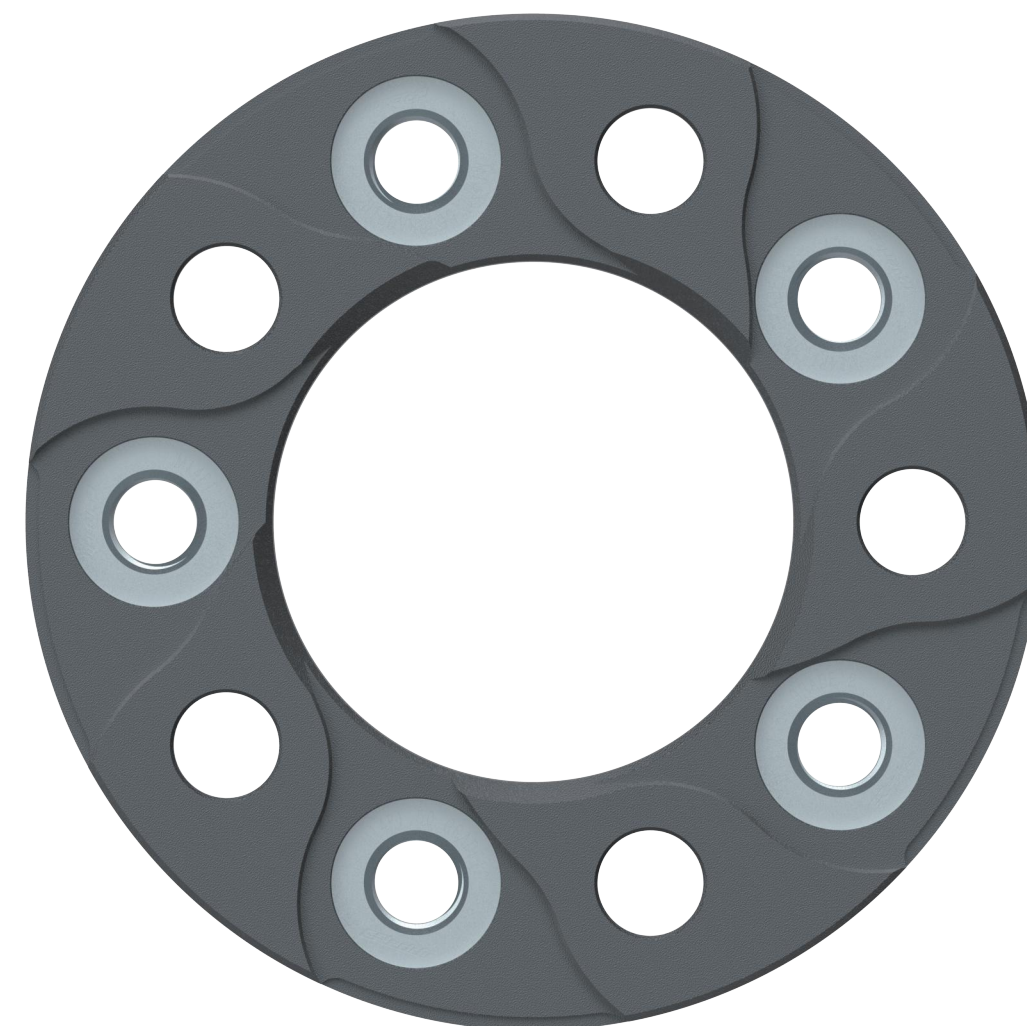


**Premium High-Performance
Wheel Adapters**



MATRIX INTEGRAL SYSTEM

The MATRIX System redefines wheel spacers as an adaptable, universal chassis platform. Its core logic is to standardize the high-value spacer body into a universal component, while offloading vehicle- and wheel-dimensional variances onto low-cost, high-precision modular parts.



VORTEX Aero Universal Base



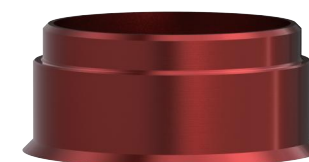
Embedded Insert Nuts



GREDDY Brand
Class 10 Nuts



GREDDY Brand
Class 12 .9 Bolts



Aluminum Alloy Centering Sleeves



High-Temp Composite / Plastic Rings

CLASSIC PRO PERFORMANCE SERIES

Built for enthusiasts seeking OEM direct fit and maximum concentricity, this series features a classic fixed centering-lug structure. It incorporates iconic pneumatic hollow cutouts to reduce unsprung weight and improve brake cooling—bringing racing-level performance to a timeless design.

Bolt-On / Studded Spacer



GREDDY Brand
Class 10 Nuts



GREDDY Brand
Class 12.9 Bolts

Main Material	Fitting Material	Grade	Application / Modification Ref.
7076-T6	23MNB3	Bolt:12.9 Nut:10	Commonly found on Japanese vehicles (Nissan, Subaru, Suzuki, etc.)

Threaded Insert Spacer



Embedded Insert Nuts

Main Material	Fitting Material	Grade	Application / Modification Ref.
7076-T6	23MNB3	Nut:12	Common on European performance cars & heavy chassis (BMW, etc.)

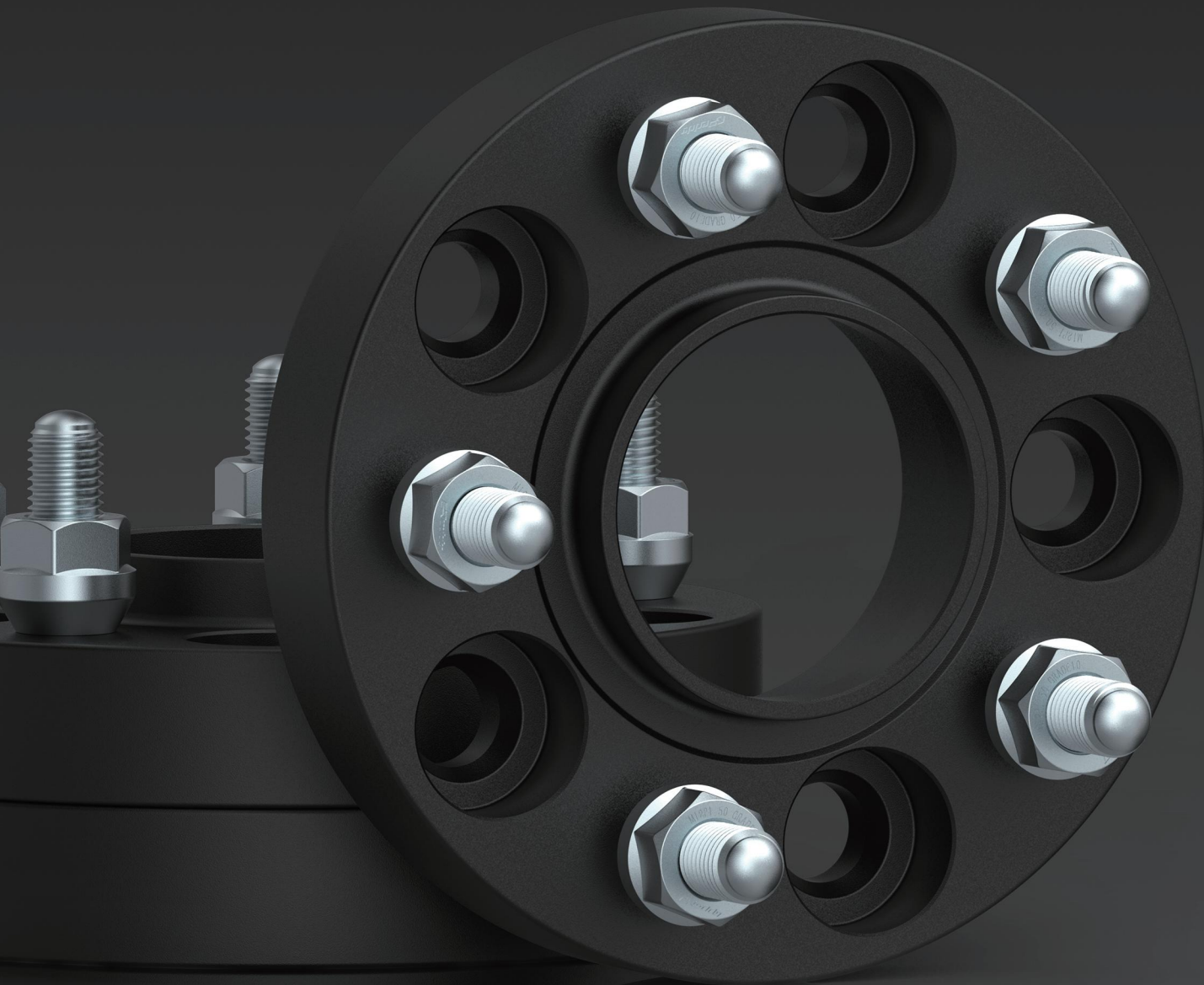
Pass-Through / Slip-On Spacer



Main Material	Fitting Material	Grade	Application / Modification Ref.
7076-T6	—	—	Found on modern European chassis generations (New BMW, MINI, etc.)

CLASSIC STANDARD SERIES

Engineered to offer car enthusiasts a highly secure, cost-effective, and mass-market solution. Retaining a traditional vehicle-specific rigid centering-lip architecture for micron-level alignment, it utilizes a heavy-duty solid disc design focused on pure structural integrity and mechanical reliability for daily street driving and stance upgrades.



Bolt-On / Studded Spacer



GREDDY Brand
Class 10 Nuts



GREDDY Brand
Class 12.9 Bolts

Main Material	Fitting Material	Grade	Application / Modification Ref.
6061-T6	23MNB3	Bolt:12.9 Nut:10	Commonly found on Japanese vehicles (Nissan, Subaru, Suzuki, etc.)

Threaded Insert Spacer



Embedded Insert Nuts

Main Material	Fitting Material	Grade	Application / Modification Ref.
6061-T6	23MNB3	Nut:12	Common on European performance cars & heavy chassis (BMW, etc.)

Pass-Through / Slip-On Spacer



Main Material	Fitting Material	Grade	Application / Modification Ref.
6061-T6	—	—	Found on modern European chassis generations (New BMW, MINI, etc.)

Three-Series Parameter Comparison

始终致力于为广大客户提供物超所值的服务，是我们长久以来坚持的核心经营目标。充分考虑到不同工况、改装需求以及预算区间的差异化诉求，我们精心打造了三款定位各不相同的法兰盘产品系列。每一个系列在材质选型、加工工艺以及实际使用表现上都经过针对性调校优化，各具突出优势，能够充分匹配各类项目的实际使用场景，方便客户按需做出最合适的选择。

Striving to deliver exceptional value to our customers has long been our core business objective. Accounting for different operating conditions, modification preferences, and budget ranges, we have carefully developed three distinct series of wheel spacers. Each series is tailored and optimized in material selection, processing technology, and real-world performance—enabling customers to easily select the ideal solution for their specific needs.



Matrix Integral System

- 7075-T6航空铝材 7075-T6 Aerospace-grade Aluminum
- 5%~15%盘体减重 5%~15% Weight Reduction on Spacer Body
- 旋风专利造型 Patented Turbine-Style Design
- 特殊复合涂层 Special Composite Anti-Corrosion Coating
- 加强版紧固配件 Reinforced Fastening Hardware
- 主动冷却 Active Heat Dissipation / Cooling Structure
- 适配98%车型 Fits 98% of Vehicles



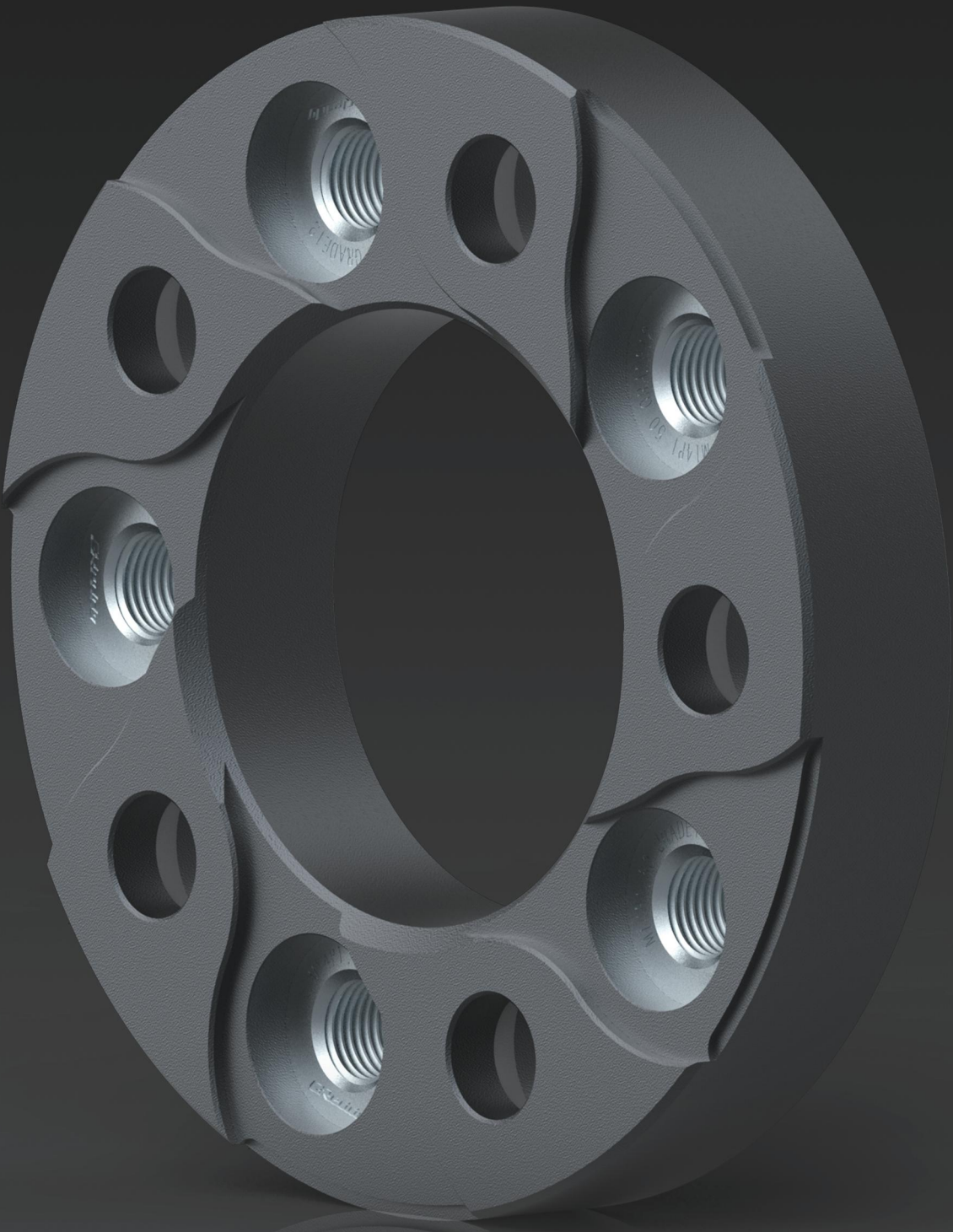
Classic Pro Performance Series

- 7075-T6航空铝材 7075-T6 Aerospace-grade Aluminum
- 5%~15%盘体减重 5%~15% Weight Reduction on Spacer Body
- 旋风专利造型 Patented Turbine-Style Design
- 特殊复合涂层 Special Composite Anti-Corrosion Coating
- 加强版紧固配件 Reinforced Fastening Hardware
- 主动冷却 Active Heat Dissipation / Cooling Structure
- 专车专用 Vehicle-Specific Precise Fit



Classic Standard Series

- 6061-T6航空铝材 6061-T6 Aerospace Aluminum
- 加强版紧固配件 Reinforced Fastening Hardware
- 专车专用 Vehicle-Specific Precise Fit

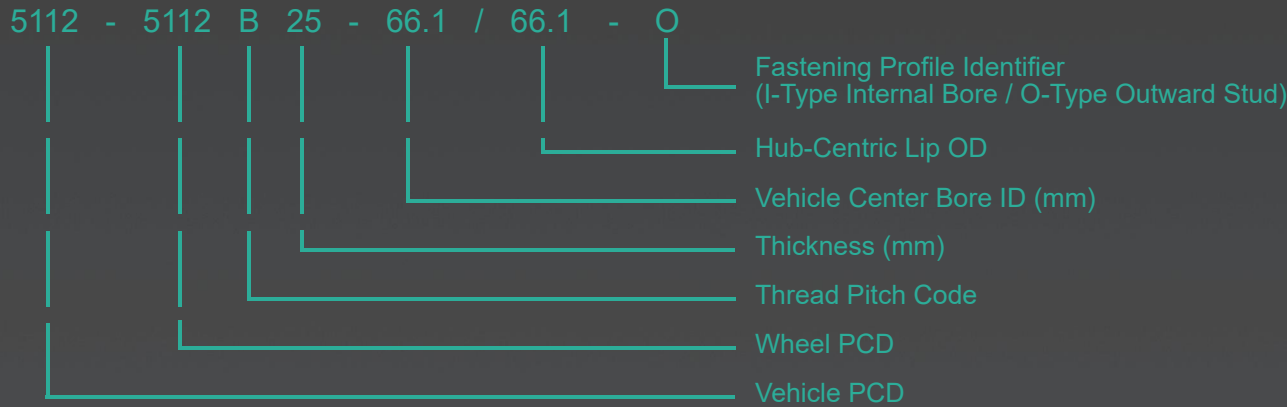
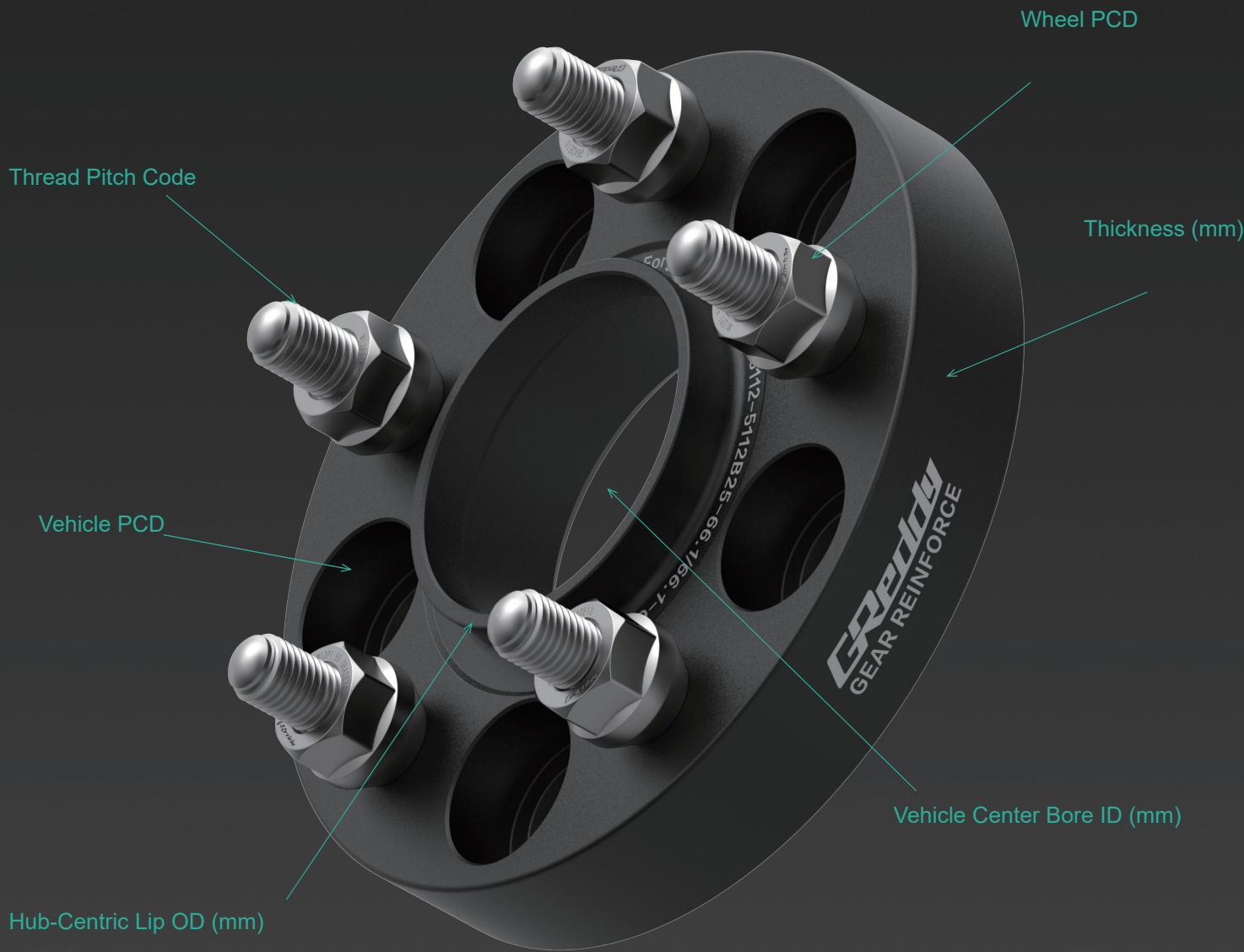


PARAMETER COMPARISON

It presents detailed parameters and core advantages of the three flange disc series, alongside a horizontal comparison with conventional flange discs available on the market.

Parameter Comparison Table

Feature / Spec	MATRIX Integral	CLASSIC PRO	CLASSIC STD	Others
Fitment Coverage	98%	Dedicated	Dedicated	Dedicated
Fitment Flexibility	Modular Hub Rings	Fixed Specs	Fixed Specs	Fixed Specs
Hub Design	Modular	One-Piece	One-Piece	One-Piece
Shop Inventory (SKU)	1 Universal Body	≥ 20 Fixed SKUs	≥ 20 Fixed SKUs	≥ 20 Fixed SKUs
Product Tier	Premium	Premium	Best Value	Basic
Patented Design	Cyclone	Cyclone	-	-
Active Cooling	Yes	Yes	-	-
Weight Reduction	5% - 15%	5% - 15%	0	0
Safety Factor	10	10	6	6
7075-T6 Aluminum	•	•	-	-
6061-T6 Aluminum	-	-	•	•
Tensile Strength (MPa)	≥ 570	≥ 570	≥ 310	≥ 310
Yield Strength (MPa)	≥ 500	≥ 500	≥ 276	≥ 276
Brinell Hardness (HB)	150	150	95	95
Runout (Concentricity)	≤ 0.02 mm	≤ 0.02 mm	≤ 0.04 mm	≤ 0.05 mm
CNC Tolerance (mm)	≤ ±0.015	≤ ±0.015	≤ ±0.020	≤ ±0.035
Composite Coating	•	•	-	-
Salt Spray Test	≥ 1000h	≥ 1000h	≥ 96h	≥ 72h
Fastener Brand	GReddy	GReddy	GReddy	-
Stud Grade	12.9	12.9	12.9	10.9
Stud Tensile Strength (MPa)	1520	1520	1520	1300
Stud Salt Spray	≥ 500h	≥ 500h	≥ 500h	≥ 72h
Nut Grade	10	10	10	6
Nut Proof Load (N)	97,800	97,800	97,800	68,700
Nut Salt Spray	≥ 500h	≥ 500h	≥ 500h	≥ 72h
Clip Grade	12	12	12	6
Clip Proof Load (N)	150,000	150,000	150,000	97,500
Clip Salt Spray	≥ 500h	≥ 500h	≥ 500h	≥ 72h
Surface Coating	Dacromet	Dacromet	Dacromet	Zinc
Marking	Laser	Laser	Laser	-
Custom Logo	Yes	Yes	Yes	-
Classic Logo Display	•	•	•	-



Standard Coding Architecture

Example Code 1 (Flat Panel w/ Stud): 4100 - 4100 B 15 - 54/F - O
Example Code 2 (Hub-Centric w/ Internal Bore): 5112 - 5112 D 15 - 66.6/66.6 - I

Segmented Technical Breakdown

- **Front Segment 5112: Vehicle PCD (5 lugs × 112mm)**
Dictates whether the spacer can seat flush against the factory hub. Mismatching will cause failure to mount, bolt stress fatigue, or severe vibration.
- **Middle Segment 5112: Wheel PCD (5 lugs × 112mm)**
Identical values (5112-5112) signify a standard wheel spacer. Discrepancies between these segments indicate a pitch-conversion adapter.
- **Letter D: Thread Pitch Code & Suffix**
Designates the precise thread pitch and diameter of the supporting wheel fasteners. **Must be selected based on physical form factor: I-Type for internal receiver bores, O-Type for protruding studs.** Cross-mixing is strictly prohibited.
- **Number 15: Thickness**
Engineered to widen the track, achieve a flush fender stance, and optimize the overall wide-body aesthetics.
- **Front 66.6: Vehicle Center Bore (CB)**
Ensures a high-precision, concentric fitment against the OEM axle hub to eliminate high-speed steering wheel wobble.
- **Rear 66.6/F: Hub-Centric Lip OD**
When designated with a numeric value, it features an integrated lip to tightly lock into the wheel's center bore, eliminating structural play. When designated as "F" (Flat), the spacer face is completely flush with no protruding lip.

Configuration Summary

- **4100-4100B15-54/F-O:** A high-performance tailored spacer/adaptor configured with a 4×100mm dual-end identical PCD, Code B (M12×1.5) fasteners, 15mm thickness, 54mm vehicle CB fitment, F-Type Flat surface, and O-Type Outward Studs.
- **5112-5112D15-66.6/66.6-I:** A high-performance tailored spacer configured with a 5×112mm dual-end identical PCD, Code D (M14×1.5) fasteners, 15mm thickness, 66.6mm vehicle CB fitment, 66.6mm hub-centric lip, and I-Type Internal Bores (engineered to directly receive and reuse factory OEM bolts).

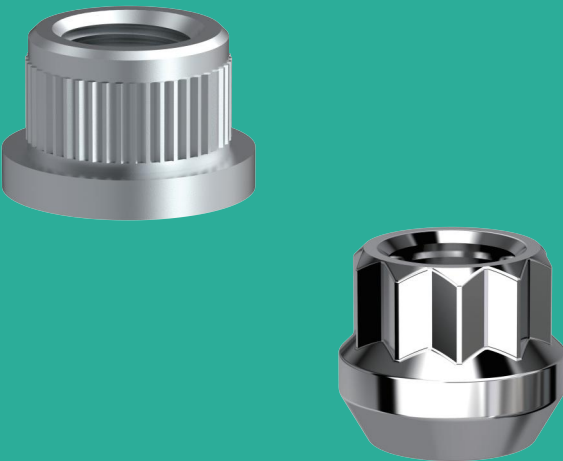
Thread Pitch Matrix Code Chart

Code	Metric Thread Specification	Form Factor Code	Application / Modification Ref.
A	M12 x 1.25	-I / -O	Commonly found on Japanese vehicles (Nissan, Subaru, Suzuki, etc.)
B	M12 x 1.50	-I / -O	Common on most mainstream vehicles (Toyota, Honda, Mazda, etc.)
C	M12 x 1.75	-I / -O	Specialized machinery / selective American vehicle hubs
D	M14 x 1.50	-I / -O	Common on European performance cars & heavy chassis (BMW, etc.)
E	M14 x 1.25	-I / -O	Found on modern European chassis generations (New BMW, MINI, etc.)
F	1/2-20	-I / -O	Selective American pickups and rugged off-road vehicles (Ford F-150, etc.)
G	7/16-20	-I / -O	Classic American muscle cars / off-road chassis (Jeep, Chrysler, etc.)
H	9/16-18	-I / -O	Vintage British & American vehicle platforms

Wheel Spacer Specification Comparison

Part#	Vehicle Bolt Pattern	Wheel Bolt Pattern	Center Bore	Centric Lip	Thickness	Studs on Adapter
4100-4100B15-54/54-O	4 x 100mm	4 x 100mm	54mm	54mm	15mm	12mm x 1.50
4100-4100B20-54/54-O	4 x 100mm	4 x 100mm	54mm	54mm	20mm	12mm x 1.50
4100-4100B15-561/F-O	4 x 100mm	4 x 100mm	56.1mm	No	15mm	12mm x 1.50
4100-4100B20-561/F-O	4 x 100mm	4 x 100mm	56.1mm	No	20mm	12mm x 1.50
4100-4100B1"-60/F-O	4 x 100mm	4 x 100mm	60mm	No	1"	12mm x 1.50
4100-4100B1.25"-60/F-O	4 x 100mm	4 x 100mm	60mm	No	1.25"	12mm x 1.50
4100-41143B1"-60/F-O	4 x 100mm	4 x 114.3mm	60mm	No	1"	12mm x 1.50
4100-41143B2"-67/F-O	4 x 100mm	4 x 114.3mm	67mm	No	2"	12mm x 1.50
41143-41143B20-601/F-O	4 x 114.3mm	4 x 114.3mm	60.1mm	No	20mm	12mm x 1.50
41143-41143B15-671/F-O	4 x 114.3mm	4 x 114.3mm	67.1mm	No	15mm	12mm x 1.50
41143-41143B20-671/F-O	4 x 114.3mm	4 x 114.3mm	67.1mm	No	20mm	12mm x 1.50
41143-4100B15-54/67-O	4 x 114.3mm	4 x 100mm	67mm	54mm	15mm	12mm x 1.50
4100-4100B1"-71/F-O	4 x 108mm	4 x 100mm	71mm	No	1"	12mm x 1.50
4100-4108B1"-71/F-O	4 x 108mm	4 x 108mm	71mm	No	1"	12mm x 1.50
4100-41143B2"-72/F-O	4 x 108mm	4x 114.3mm	72mm	No	2"	12mm x 1.50
4100-4100B1"-71/F-O	4 x 114.3mm	4 x 100mm	71mm	No	1"	12mm x 1.50
4100-4100B1.25"-71/F-O	4 x 114.3mm	4 x 100mm	71mm	No	1.25"	12mm x 1.50
4100-41143B1"-71/F-O	4 x 114.3mm	4 x 114.3mm	71mm	No	1"	12mm x 1.50
4100-41143B1.25"-71/F-O	4 x 114.3mm	4 x 114.3mm	71mm	No	1.25"	12mm x 1.50
4100-41143B1.5"-71/F-O	4 x 114.3mm	4 x 114.3mm	71mm	No	1.5"	12mm x 1.50
4100-41143B2"-71/F-O	4 x 114.3mm	4 x 114.3mm	71mm	No	2"	12mm x 1.50
4100-4120B2"-72/F-O	4 x 114.3mm	4 x120mm	72mm	No	2"	12mm x 1.50
5100-5100A20-561/F-O	5 x 100mm	5 x 100mm	56.1mm	No	20mm	12mm x 1.25
5100-5100B1"-571/F-O	5 x 100mm	5 x 100mm	57.1mm	No	1"	12mm x 1.50
5100-5100A1"-561/561-O	5 x 100mm	5 x 100mm	56.1mm	56.1mm	1"	12mm x 1.25
5100-5100B1.25"-571/F-O	5 x 100mm	5 x 100mm	57.1mm	No	1.25"	12mm x 1.50
5100-51143B20"-601/731-O	5 x 100mm	5 x 114.3mm	73.1mm	60.1mm	20mm	12mm x 1.50
5100-5110B1"-571/F-O	5 x 100mm	5 x 110mm	57.1mm	No	1"	12mm x 1.50
5100-5112B1"-571/F-O	5 x 100mm	5 x 112mm	57.1mm	No	1"	12mm x 1.50
5100-5112B1"-571/571-O	5 x 100mm	5 x 112mm	57.1mm	57.1mm	1"	12mm x 1.50
5100-5120B1"-571/F-O	5 x 100mm	5 x 120mm	57.1mm	No	1"	12mm x 1.50
5100-5425B1"-571/F-O	5 x 100mm	5 x 4.25"	57.1mm	No	1"	12mm x 1.50
5100-5450A15-561/561-O	5 x 100mm	5 x 4.5"	56.1mm	56.1mm	15mm	12mm x 1.25
5100-5450A15-561/F-O	5 x 100mm	5 x 4.5"	57.1mm	No	1"	12mm x 1.50
5100-5475B1"-571/F-O	5 x 100mm	5 x 4.75"	57.1mm	No	1"	12mm x 1.50
5105-5100B1"-566/F-O	5 x 105mm	5 x 100mm	56.6mm	No	1"	12mm x 1.50
5105-5110B1"-566/F-O	5 x 105mm	5 x 110mm	56.6mm	No	1"	12mm x 1.50
5105-5450B1"-566/F-O	5 x 105mm	5 x 4.5"	56.6mm	No	1"	12mm x 1.50
5108-51143B40-731/601-O	5 x 108mm	5 x 114.3mm	60.1mm	73.1mm	40mm	12mm x 1.50
5110-5100B1"-651/F-O	5 x 110mm	5 x 100mm	65.1mm	No	1"	12mm x 1.50
5110-5110B1"-651/F-O	5 x 110mm	5 x 110mm	65.1mm	No	1"	12mm x 1.50
5110-5110A1.5"-651/651-O	5 x 110mm	5 x 110mm	65.1mm	65.1mm	1.5"	12mm x 1.25
5110-5112B1"-651/F-O	5 x 110mm	5 x 112mm	65.1mm	No	1"	12mm x 1.50
51143-51143B15-601/601-O	5 x 114.3mm	5 x 114.3mm	60.1mm	60.1mm	15mm	12mm x 1.50
51143-51143B20-601/601-O	5 x 114.3mm	5 x 114.3mm	60.1mm	60.1mm	20mm	12mm x 1.50
51143-51143B15-641/641-O	5 x 114.3mm	5 x 114.3mm	64.1mm	64.1mm	15mm	12mm x 1.50
51143-51143B20-641/641-O	5 x 114.3mm	5 x 114.3mm	64.1mm	64.1mm	20mm	12mm x 1.50
51143-51143B15-661/F-O	5 x 114.3mm	5 x 114.3mm	66.1mm	No	15mm	12mm x 1.50
51143-51143B15-671/F-O	5 x 114.3mm	5 x 114.3mm	67.1mm	No	15mm	12mm x 1.50
51143-51143B20-671/671-O	5 x 114.3mm	5 x 114.3mm	67.1mm	67.1mm	20mm	12mm x 1.50
51143-51143B20-671/F-O	5 x 114.3mm	5 x 114.3mm	73.1mm	No	20mm	12mm x 1.50
51143-51143B30-671/F-O	5 x 114.3mm	5 x 114.3mm	73.1mm	No	30mm	12mm x 1.50
5115-5115D20-715/715-O	5 x 115mm	5 x 115mm	71.5mm	71.5mm	20mm	14mm x 1.50
5115-5115D1"-715/715-O	5 x 115mm	5 x 115mm	71.5mm	71.5mm	1"	14mm x 1.50
5115-5115B1.25"-74/F-O	5 x 115mm	5 x 115mm	74mm	No	1.25"	12mm x 1.50
5115-5115D1.25"-715/F-O	5 x 115mm	5 x 115mm	71.5mm	No	1.25"	14mm x 1.50

Part#	Vehicle Bolt Pattern	Wheel Bolt Pattern	Center Bore	Centric Lip	Thickness	Studs on Adapter
5120-5120D20-669/669-O	5 x 120mm	5 x 120mm	66.9mm	66.9mm	20mm	14mm x 1.50
5120-5120D1"-669/669-O	5 x 120mm	5 x 120mm	66.9mm	66.9mm	1"	14mm x 1.50
5120-5120D1.25"-74/F-O	5 x 120mm	5 x 120mm	74mm	No	1.25"	14mm x 1.50
5120-5120D1.5"-74/74-O	5 x 120mm	5 x 120mm	74mm	74mm	1.5"	14mm x 1.50
5120-5120D2"-74/74-O	5 x 120mm	5 x 120mm	74mm	74mm	2"	14mm x 1.50
5135-5135C1.5"-871/871-O	5 x 135mm	5 x 135mm	87.1mm	87.1mm	1.5"	12mm x 1.75
5135-5135E2"-871/871-O	5 x 135mm	5 x 135mm	87.1mm	87.1mm	2"	14mm x 2.00
51397-51397B20-110/F-O	5 x 139.7mm	5 x 139.7mm	110mm	No	20mm	12mm x 1.50
5150-5150D1"-110/110-O	5 x 150mm	5 x 150mm	110mm	110mm	1"	14mm x 1.50
5150-5150D1.25"-110/110-O	5 x 150mm	5 x 150mm	110mm	110mm	1.25"	14mm x 1.50
5150-5150D1.5"-110/F-O	5 x 150mm	5 x 150mm	110mm	No	1.5"	14mm x 1.50
5150-5150D1.5"-110/110-O	5 x 150mm	5 x 150mm	110mm	110mm	1.5"	14mm x 1.50
5150-5150D2"-110/F-O	5 x 150mm	5 x 150mm	110mm	No	2"	14mm x 1.50
5150-5150D2"-110/110-O	5 x 150mm	5 x 150mm	110mm	110mm	2"	14mm x 1.50
51143-5100B1"-74/F-O	5 x 114.3mm	5 x 100mm	74mm	No	1"	12mm x 1.50
51143-5100A15-561/561-O	5 x 114.3mm	5 x 100mm	56.1mm	56.1mm	15mm	12mm x 1.25
51143-5110B1"-74/F-O	5 x 114.3mm	5 x 110mm	74mm	No	1"	12mm x 1.50
51143-5112B1.25"-74/F-O	5 x 114.3mm	5 x 112mm	74mm	No	1.25"	12mm x 1.50
51143-5115B1.25"-74/F-O	5 x 114.3mm	5 x 115mm	74mm	No	1.25"	12mm x 1.50
51143-5120D1.25"-74/F-O	5 x 114.3mm	5 x 120mm	74mm	No	1.25"	14mm x 1.50
51143-5130B1.25"-74/F-O	5 x 114.3mm	5 x 130mm	74mm	No	1.25"	12mm x 1.50
51143-5135B1.25"-74/F-O	5 x 114.3mm	5 x 135mm	74mm	No	1.25"	12mm x 1.50
5120-5100B1.25"-74/F-O	5x120mm	5x100mm	74mm	No	1.25"	12mm x1.50
5120-5112B1.25"-74/F-O	5x120mm	5x112mm	74mm	No	1.25"	12mm x1.50
5120-5115B1.25"-74/F-O	5x120mm	5x115mm	74mm	No	1.25"	12mm x1.50
5120-5120D1.25"-74/F-O	5x120mm	5x120mm	74mm	No	1.25"	14mm x1.50
5120-5135B1.25"-74/F-O	5x120mm	5x135mm	74mm	No	1.25"	12mm x1.50
5120-51143B1"-74/F-O	5x120mm	5x114.3mm	74mm	No	1"	12mm x1.50
5120-51143B1.25"-74/F-O	5x120mm	5x114.3mm	74mm	No	1.25"	12mm x1.50
5120-5120G20-703/703-O	5x120mm	5x120mm	70.3mm	70.3mm	20mm	12mm x1.50
6120-6120D1.5"-669/669-O	6 x 120mm	6 x 120mm	66.9mm	66.9mm	1.5"	14mm x 1.50
6120-61397D1.5"-669/781-O	6 x 120mm	6 x 139.7mm	66.9mm	78.1mm	1.5"	14mm x 1.50
6132-61397D1.5"-745/F-O	6 x 132mm	6 x 139.7mm	74.5mm	No	1.5"	14mm x 1.50
6135-6135E1.5"-871/F-O	6 x 135mm	6 x 135mm	87.1mm	No	1.5"	14mm x 2.00
6135-6135E1.5"-871/871-O	6 x 135mm	6 x 135mm	87.1mm	87.1mm	1.5"	14mm x 2.00
6135-6135D1.5"-871/F-O	6 x 135mm	6 x 135mm	87.1mm	No	1.5"	14mm x 1.50
6135-6135D1.5"-871/871-O	6 x 135mm	6 x 135mm	87.1mm	87.1mm	1.5"	14mm x 1.50
6135-6135E2"-871/F-O	6 x 135mm	6 x 135mm	87.1mm	No	2"	14mm x 2.00
6135-6135E2"-871/871-O	6 x 135mm	6 x 135mm	87.1mm	87.1mm	2"	14mm x 2.00
61397-61397D25-671/F-O	6 x 139.7mm	6 x 139.7mm	67.1mm	No	25mm	14mm x 1.50
61397-61397D25-931/F-O	6 x 139.7mm	6 x 139.7mm	93.1mm	No	25mm	14mm x 1.50
61397-61397D1.5"-931/931-O	6 x 139.7mm	6 x 139.7mm	93.1mm	93.1mm	1.5"	14mm x 1.50
61397-61397D1.25"-106/F-O	6 x 139.7mm	6 x 139.7mm	106mm	No	1.25"	14mm x 1.50
61397-61397D1.25"-106/106-O	6 x 139.7mm	6 x 139.7mm	106mm	106mm	1.25"	14mm x 1.50
6450-6450A1"-661/661-O	6 x 114.3mm	6 x 114.3mm	66.1mm	66.1mm	1"	12mm x 1.25
6450-6450A1.5"-661/F-O	6 x 114.3mm	6 x 114.3mm	66.1mm	No	1.5"	12mm x 1.25
81651-81651E2"-1213/1213-O	8 x 165.1mm	8 x 165.1mm	121.3mm	121.3mm	2"	14mm x 2.00
8170-8170E1.5"-125/F-O	8 x 170mm	8 x 170mm	125mm	No	1.5"	14mm x 2.00
8170-8170D1.5"-125/F-O	8 x 170mm	8 x 170mm	125mm	No	1.5"	14mm x 1.50
8170-8170D2"-125/F-O	8 x 170mm	8 x 170mm	125mm	No	2"	14mm x 1.50
8170-8180D2"-125/F-O	8 x 170mm	8 x 180mm	125mm	No	2"	14mm x 1.50
8170-8200D2"-125/F-O	8 x 170mm	8 x 200mm	125mm	No	2"	14mm x 1.50
8170-6135E2"-1243/F-O	8 x 170mm	6 x 135mm	124.3mm	No	2"	14mm x 2.00
8180-8180D2"-1242/1242-O	8 x 180mm	8 x 180mm	124.2mm	124mm	2"	14mm x 1.50
8180-8180D2.5"-1256/F-O	8 x 180mm	8 x 180mm	125.6mm	No	2.5"	14mm x 1.50
8200-8200D2"-146/F-O	8 x 200mm	8 x 200mm	146mm	No	2"	14mm x 1.50
8200-8200D2"-1419/1421-O	8 x 200mm	8 x 200mm	142.1mm	141.9mm	2"	14mm x 1.50
8200-8200D3"-1494/1421-O	8 x 200mm	8 x 200mm	142.1mm	141.9mm	3"	14mm x 1.50
8210-8210D2"-155/F-O	8 x 210mm	8 x 210mm	155mm	No	2"	14mm x 1.50



SPECIALIZED ACCESSORIES

23mm Outside Diameter



R10

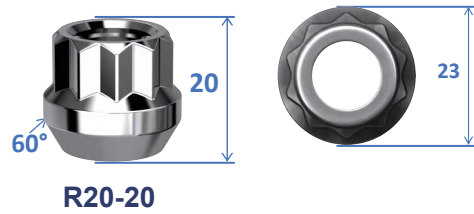
20mm OUTSIDE DIAMETER
Open-End Lug Nut Series



Part No.	Thread	Style	Seat	Strength Class	Finish	Corrosion Resistance
R10C2Cr16C	12x1.5	OPEN	60°	10	Chrome	>72h SST
R10C2Cr22C	12x1.5					

R20

23mm OUTSIDE DIAMETER
Open-End Lug Nut Series



Part No.	Thread	Style	Seat	Strength Class	Finish	Corrosion Resistance
R20C1Cr20C	12x1.5	OPEN	60°	10	Chrome	>72h SST
R20C2Cr20C	12x1.25					
R20C3Cr20C	14x1.5					
R20C5Cr20C	1/2"-20					
R20C6Cr20C	7/16"-20					
R20C7Cr20C	9/16"-18					

G20

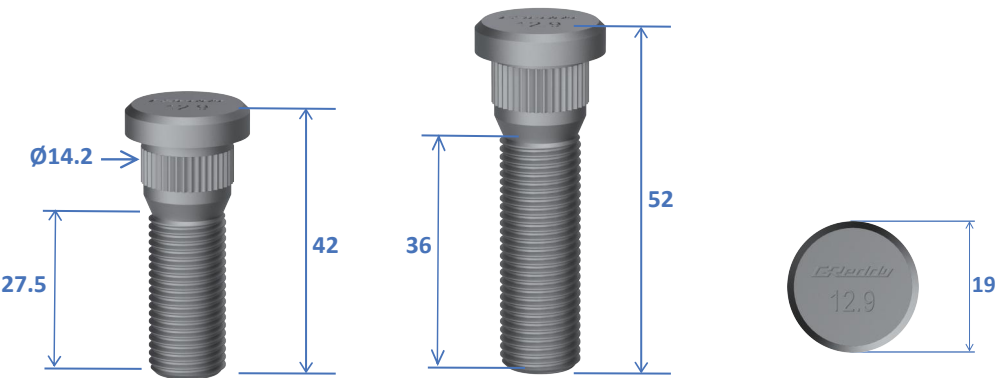
23mm OUTSIDE DIAMETER
CONE SEAT(Removable)



Part No.	Thread Length	Thread	Seat	Strength Class	Finish	Corrosion Resistance
G20C3BLK28C	28	14x1.5	60°	10.9	Black Chrome Chrome	>300h SST >72h SST
G20C3BLK35C	35	14x1.5				
G20C3BLK40C	40	14x1.5				

WS01

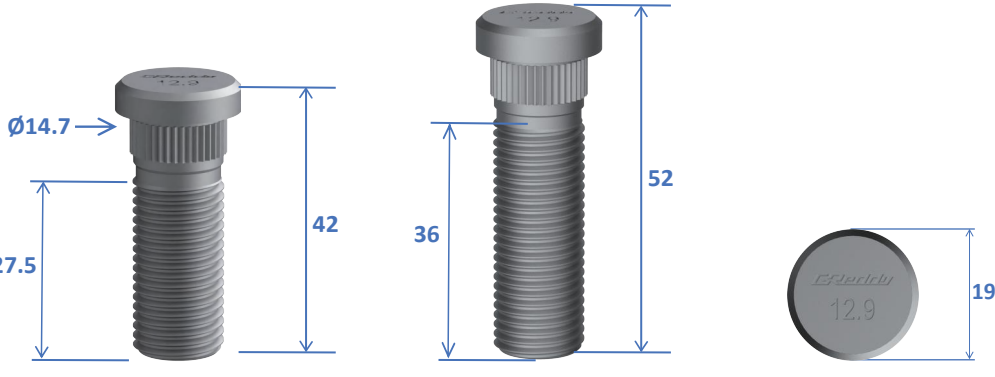
Knurled Wheel Stud



Part No.	Thread	Seat	Strength Class	Finish	Corrosion Resistance
WS01-42	12x1.25	Head Ø 19	12.9	Dacromet	> 500h SST
WS01-52	12x1.25				
WS01-42	12x1.5				
WS01-52	12x1.5				
WS01-42	1/2"-20				
WS01-52	1/2"-20				

WS02

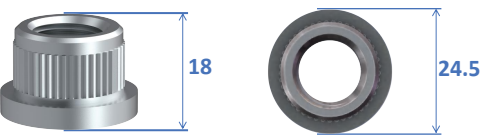
Knurled Wheel Stud



Part No.	Thread	Seat	Strength Class	Finish	Corrosion Resistance
WS02-42	14x1.5	Head Ø 19	12.9	Dacromet	> 500h SST
WS02-52	14x1.5				

ZK

24.5mm OUTSIDE DIAMETER

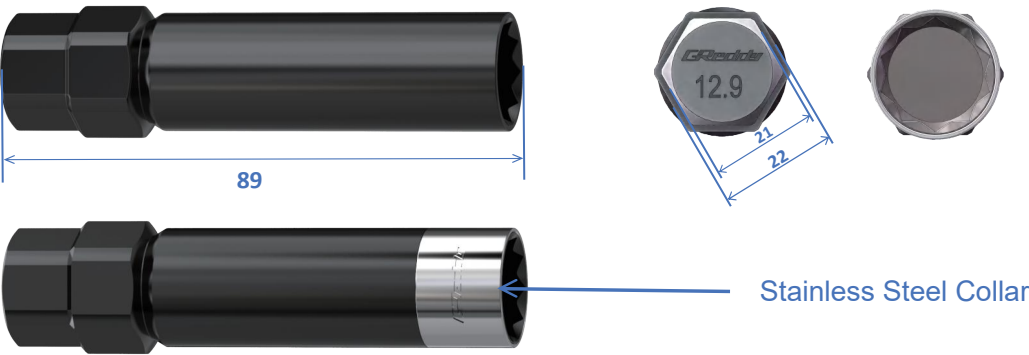


ZK-14

Part No.	Thread	Strength Class	Finish	Corrosion Resistance
ZK-14	14x1.5	12	Dacromet	>500h SST

S10-1921

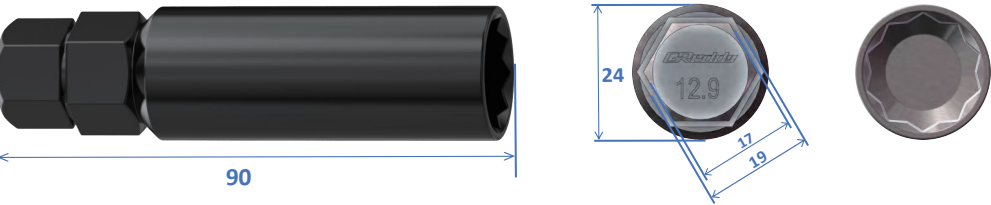
20mm OUTSIDE DIAMETER
19-21mm HEX



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