

TITANIUM

SUPER RACING

Products Catalogue

Safety x Performance x Quality



TTF Technology Co., Ltd.

<http://www.ttf-tech.com.tw/>

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Introduction

TTF TECHNOLOGY CO., LTD.

**TTF: Taiwan Titanium Fastener ,
Taiwan professional manufacturer of titanium fasteners.
ISO 9001 Quality Management System Certificated.**

What are the advantages of TTF titanium fasteners?

1. Total solution :

All the production processes are completed under one roof, from Product Design, Mold Development, Forging, Machining, Surface Treatment all the way through Logo Marking, which means that we are the one and only contact to communicate for everything you need. This way, we provide you One Stop Shopping service, enabling you to save time and cost on suppliers management.

2. Professional Knowledge & Expertise:

Our team is consisted of Engineering Professors with capabilities to analyze the test result and verify the product design, to ensure the product safety.

3. Design and Customizing:

We continually launch new design to offer more various choices to be selected based on your preference. We can surely do customizing for your specific needs.

4. Aerospace Grade Material:

We utilize Aerospace Grade AMS 4928 Titanium in order to make sure that the products are safe and the quality is well controlled.

5. Quality Verification:

To optimize the products performance, we not only test in house, but also cooperate with the third party lab (ex. SGS) to get objective test reports for customers' review and verification.

6. Experience in Automotive:

We have spent many years in studying the automotive application of Titanium products. As a titanium expert and fastener manufacturer, we are capable of giving customers suggestions on product selections from our prospective.

Introduction

7. Application in Racing Industry:

Our titanium products have been used by the race team from USA, Japan, Australia, Malaysia, Taiwan, Macau, China and so on.

8. Application on Street Cars:

Our titanium products have been put on Lamborghini, Ferrari, Lotus, Porsche, Audi, Mercedes Benz, AMG, Alfa Romeo, Maserati, BMW and more supercars as well as advanced vehicles.

*ISO 9001
TTF TECHNOLOGY CO., LTD.
Design, Manufacture and Sale of Titanium Fastening Parts*

ACS REGISTRARS

Certificate Number : TW/33/2714103114

This is to certify that the Quality Management System of:

TTF TECHNOLOGY CO., LTD

of

**No.97-12, Fengren Rd., Fengshan Dist.,
Kaohsiung City 830, Taiwan**

has been assessed and registered by ACS Registrars Ltd against the following Quality Assurance Standard:

ISO 9001:2015

The scope of registration is:

**Design, Manufacture and Sale of
Titanium Fastening Parts**

Authorized by:

[Signature]

Date of initial assessment: 24/02/2017
Date of registration: 20/03/2017
Date reissued: N/A
Date of expiry: 23/02/2020

While all due care was exercised in carrying out this assessment, ACS Registrars Ltd accepts responsibility only for proven gross negligence. This certificate remains the property of ACS Registrars Ltd to whom it must be returned upon request. Certificate validity may be verified at the address below.

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West Midlands, B75 7BQ, UK
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www.acsregistrars.com

IAF (International Accreditation Forum)
UKAS (United Kingdom Accreditation Service) Quality Management 229

Titanium Material

INSPECTION CERTIFICATE OF QUALITY				Acc. to EN10204 3.1 AS9100 Cert.No 271978	Cert No. 18030319
Commodity & Specification Titanium 6Al4V round bars to AMS4928V . triple VAR,hot rolled,annealed,centerless ground.					Contract No. E20170528
Size/mm Dia14 _{0/-0.03} ×2700~3500	Quantity (kg/pcs) 316.5/157	Heat No. 544-170623	Lot No. 5170623306	Order No. C201705386	
Chemical Composition/wt%					
Element	Requirement	Top	Bottom	Method	
Ti	Balance	Balance	Balance		
Al	5.50-6.75	6.51	6.49	ASTM E2371-13	
V	3.50-4.50	4.30	4.29	ASTM E2371-13	
Y	0.005max	<0.001	<0.001	ASTM E2371-13	
Fe	0.30max	0.18	0.20	ASTM E2371-13	
C	0.08max	0.004	0.004	ASTM E1941-10	
N	0.05max	0.006	0.005	ASTM E1409-13	
O	0.20max	0.163	0.167	ASTM E1409-13	
H	0.0125max	0.0025		ASTM E1447-09	
each	0.10max	<0.10			
total	0.40max	<0.40			
Mechanical Property					
Requirement (ASTM E8/E8M-16a)	Tensile Strength	Yield Strength (0.2% offset)	Elongation in 4D	Reduction of Area	
	MPa	MPa	%	%	
	931min	862min	10min	25min	
Results	1018	914	20.5	52	
	1031	943	22.0	53	
Other Inspections					
Beta-transition temperature	995~1000℃		GB/T 23605-2009		
Visual Inspection	ACCEPTABLE				
Dimension Inspection	ACCEPTABLE				
Microstructure	ACCEPTABLE		AMS2643E		
ETTC2	A3		ETTC2		
Surface Contamination	no alpha case		GB/T 23603-2009		
Ultrasonic Examination	AMS2631D CLASS A1		AMS2631D		
Eddy Current Examination	ACCEPTABLE		GB/T 23601-2009		
Straightness	max 0.5mm/m				

Titanium Bolts Test Report



測試實驗室(機械性能)試驗報告

TESTING LABORATORY (MECHANICAL PROPERTIES) TEST REPORT

報告編號(No.): MTT-182586-E

工令編號(Job No.): L07SE000-3913



委託者 (Applicant): TTF Technology Co., Ltd.
 地址 (Address): No. 97-12, Fengren Rd., Fengshan Dist., Kaohsiung City 830, Taiwan(R.O.C.)
 樣品名稱 (Sample Description): M14 L30 P1.5 TORX SOCKET CAP TITANIUM WHEEL LUG BOLT
 工程名稱 (Project Description): —
 來樣日期 (Received Date): 2018/12/13
 簽發日期 (Issued Date): 2018/12/28
 取樣者 (Sampler): —; Send samples: Max Su

測試項目 (Item): Axial Tension Testing of Full-Size
 使用設備 (Instrument): SHIMADZU UH-F500KN1 Tester - No.125054900004
 測試方法 (Method): ASTM F606/F606M-2016
 測試環境 (Ambient Temp.): 25°C
 測試日期 (Test Date): 2018/12/17
 測試結果 (Test Results):

Sample No.	Max Load(kN)	Fracture Location
M14 L30 P1.5 TORX SOCKET CAP TITANIUM WHEEL LUG BOLT	140.1	Thread

—End—

**Property class 10.9 , meet to “ISO 898-1
 Mechanical properties of fasteners “
 international standard.**



Ja-Bing Huang
 報告簽發人 (Report Authorized Person)



本報告含有技術情報時，應視最低僅供參考，命格之判定以委託單位實際需求為準。
 If the report contains technical information, the values are for reference only. The judgement of the values for the industrial products shall be subject to customer's requirement.
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Page: 1 OF 1

Torx Series

Torx socket head Ti 64 forged wheel lug bolts

BOLT



PIC-1



PIC-2

Quality



PIC-3

Remark: more specifications and customization requirements, please contact us.

Torx Series

Torx socket head Ti 64 forged wheel lug bolts

BOLT



PIC-4



PIC-5

Remark: more specifications and customization requirements, please contact us.

Torx Series

Torx socket head Ti 64 forged wheel lug bolts

BOLT



PIC-6

PRODUCT FEATURES:

1. Forged head
2. T70 Torx Key
3. Floating washer to protect the wheels
4. Effective thread length: 22mm
5. Aerospace AMS 4928 Titanium Ti-6Al-4V
6. Weight: 58g (M14L30)



PIC-7

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M14L28-EOT01 M14L28-EOT02	M14X1.25 M14X 1.5	28 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L30-EOT01 M14L30-EOT02	M14X1.25 M14X 1.5	30 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L35-EOT01 M14L35-EOT02	M14X1.25 M14X 1.5	35 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L40-EOT01 M14L40-EOT02	M14X1.25 M14X 1.5	40 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L45-EOT01 M14L45-EOT02	M14X1.25 M14X 1.5	45 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Star Series

12 Point star head Ti 64 forged wheel lug bolts

BOLT



PIC-8



PIC-9

PRODUCT FEATURES:

1. Forged head
2. W17 Driver
3. Floating washer to protect the wheels
4. Effective thread length: 22mm
Aerospace AMS 4928 Titanium
Ti-6Al-4V
5. PVD Coating for better performance of wearing resistance
6. Weight: 58g (M14L30)

Remark: more specifications and customization requirements, please contact us.

Star Series

BOLT

12 Point star head Ti 64 forged wheel lug bolts



PIC-10



PIC-11



PIC-12

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M14L28-OST01 M14L28-OST02	M14X 1.25 M14X 1.5	28 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L30-OST01 M14L30-OST02	M14X 1.25 M14X 1.5	30 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L35-OST01 M14L35-OST02	M14X 1.25 M14X 1.5	35 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L40-OST01 M14L40-OST02	M14X 1.25 M14X 1.5	40 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L45-OST01 M14L45-OST02	M14X 1.25 M14X 1.5	45 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Star Series

12 Point star head Ti 64 forged wheel lug bolts

BOLT



PIC-13



PIC-14

PRODUCT FEATURES:

1. Forged head
2. W17 12 PT Driver
3. Effective thread length: 25mm
4. Aerospace AMS 4928 Titanium Ti-6Al-4V
5. PVD Coating for better performance of wearing resistance
6. Weight: 46g (M14L28)

Remark: more specifications and customization requirements, please contact us.

Star Series

BOLT

12 Point star head Ti 64 forged wheel lug bolts



PIC-15



PIC-16



PIC-17

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M14L28-OSA01 M14L28-OSA-02	M14X 1.25 M14X 1.5	28 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L30-OSA01 M14L30-OSA02	M14X 1.25 M14X 1.5	30 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L35-OSA01 M14L35-OSA02	M14X 1.25 M14X 1.5	35 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L40-OSA01 M14L40-OSA02	M14X 1.25 M14X 1.5	40 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L45-OSA01 M14L45-OSA02	M14X 1.25 M14X 1.5	45 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Hex Series

Hexagon head Ti 64 forged wheel lug bolts

BOLT



PIC-18



PIC-19

PRODUCT FEATURES:

1. Forged head
2. W19 Hex (W17 available)
3. Floating washer to protect the wheels
4. Effective thread length: 22mm
5. Aerospace AMS 4928 Titanium Ti-6Al-4V
6. PVD Coating for better performance of wearing resistance
7. Weight: 56g (M14L30)

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M14L28-OHT01 M14L28-OHT02	M14X 1.25 M14X 1.5	28 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L30-OHT01 M14L30-OHT02	M14X 1.25 M14X 1.5	30 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L35-OHT01 M14L35-OHT02	M14X 1.25 M14X 1.5	35 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L40-OHT01 M14L40-OHT02	M14X 1.25 M14X 1.5	40 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L45-OHT01 M14L45-OHT02	M14X 1.25 M14X 1.5	45 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Hex Series

Hexagon head Ti 64 forged wheel lug bolts

BOLT



PIC-20

PRODUCT FEATURES:

1. Forged head
2. W19 Hex (W17 available)
3. Effective thread length: 25mm
4. Aerospace AMS 4928 Titanium Ti-6Al-4V
5. PVD Coating for better performance of wearing resistance
6. Weight: 45g (M14L28)



PIC-21



PIC-22

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M14L28-OHA01 M14L28-OHA02	M14X 1.25 M14X 1.5	28 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L30-OHA01 M14L30-OHA02	M14X 1.25 M14X 1.5	30 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L35-OHA01 M14L35-OHA02	M14X 1.25 M14X 1.5	35 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L40-OHA01 M14L40-OHA02	M14X 1.25 M14X 1.5	40 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L45-OHA01 M14L45-OHA02	M14X 1.25 M14X 1.5	45 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Socket Series

Hex socket head Ti 64 forged wheel lug bolts

BOLT



PIC-23



PIC-24



PIC-25

PRODUCT FEATURES:

1. Forged head
2. W14 Hex Key
3. Floating washer to protect the wheels
4. Effective thread length: 22mm
5. Aerospace AMS 4928 Titanium Ti-6Al-4V
6. PVD Coating for better performance of wearing resistance
7. Weight: 56g (M14L30)

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M14L28-HOT01 M14L28-HOT02	M14X 1.25 M14X 1.5	28 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L30-HOT01 M14L30-HOT02	M14X 1.25 M14X 1.5	30 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L35-HOT01 M14L35-HOT02	M14X 1.25 M14X 1.5	35 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L40-HOT01 M14L40-HOT02	M14X 1.25 M14X 1.5	40 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L45-HOT01 M14L45-HOT02	M14X 1.25 M14X 1.5	45 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Spline Series

6 Spline head Ti 64 forged wheel lug bolts

BOLT



PIC-26

PRODUCT FEATURES:

1. Forged head
2. W19 Spline driver(Security lock)
3. Floating washer to protect the wheels
4. Effective thread length: 22mm
5. Aerospace AMS 4928 Titanium Ti-6Al-4V
6. PVD Coating for better performance of wearing resistance
7. Weight: 57g (M14L30)



PIC-27

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M14L28-6GT01 M14L28-6GT02	M14X 1.25 M14X 1.5	28 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L28-6GT01 M14L28-6GT02	M14X 1.25 M14X 1.5	30 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L28-6GT01 M14L28-6GT02	M14X 1.25 M14X 1.5	35 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L28-6GT01 M14L28-6GT02	M14X 1.25 M14X 1.5	40 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L28-6GT01 M14L28-6GT02	M14X 1.25 M14X 1.5	45 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Spline Series

6 Spline head Ti 64 forged wheel lug bolts

BOLT



PIC-28



PIC-29

PRODUCT FEATURES:

1. Forged head
2. W19 Spline driver (Security lock)
3. Effective thread length: 25mm
4. Aerospace AMS 4928 Titanium Ti-6Al-4V
5. PVD Coating for better performance of wearing resistance
6. Weight: 46g (M14L30)

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M14L28-6GA01 M14L28-6GA02	M14X 1.25 M14X 1.5	28 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L28-6GA01 M14L28-6GA02	M14X 1.25 M14X 1.5	30 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L28-6GA01 M14L28-6GA02	M14X 1.25 M14X 1.5	35 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L28-6GA01 M14L28-6GA02	M14X 1.25 M14X 1.5	40 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L28-6GA01 M14L28-6GA02	M14X 1.25 M14X 1.5	45 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Lobes Series

6 Lobes head Ti 64 forged wheel lug bolts

BOLT



PIC-30

PRODUCT FEATURES:

1. Forged head
2. W17 Hex driver
3. Floating washer to protect the wheels
4. Effective thread length: 22mm
5. Aerospace AMS 4928 Titanium Ti-6Al-4V
6. PVD Coating for better performance of wearing resistance
7. Weight: 56g (M14L30)



PIC-31

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M14L28-OZT01 M14L28-OZT02	M14X 1.25 M14X 1.5	28 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L28-OZT01 M14L28-OZT02	M14X 1.25 M14X 1.5	30 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L28-OZT01 M14L28-OZT02	M14X 1.25 M14X 1.5	35 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L28-OZT01 M14L28-OZT02	M14X 1.25 M14X 1.5	40 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L28-OZT01 M14L28-OZT02	M14X 1.25 M14X 1.5	45 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Special Series

7 Point socket Ti 64 forged wheel lug bolts

BOLT



PIC-32



PIC-33

PRODUCT FEATURES:

1. Forged head
2. 7-Point Key (Security lock)
3. Floating washer to protect the wheels
4. Effective thread length: 22mm
5. Aerospace AMS 4928 Titanium Ti-6Al-4V
6. PVD Coating for better performance of wearing resistance
7. Weight: 55g (M14L30)



PIC-34

Safety

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M14L28-E7T01 M14L28-E7T02	M14X 1.25 M14X 1.5	28 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L30-E7T01 M14L30-E7T02	M14X 1.25 M14X 1.5	30 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L35-E7T01 M14L35-E7T02	M14X 1.25 M14X 1.5	35 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L40-E7T01 M14L40-E7T02	M14X 1.25 M14X 1.5	40 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L45-E7T01 M14L45-E7T02	M14X 1.25 M14X 1.5	45 mm	CONE 60° BALL R13/ BALL R14	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Hex Series

Hexagon 2pcs type Ti 64 wheel lug nuts

NUT



PIC-35

Safety x Performance x Quality

PIC-36

Safety x Performance x Quality



PIC-37

Remark: more specifications and customization requirements, please contact us.

Hex Series

Hexagon 2pcs type Ti 64 wheel lug nuts

JUST

PRODUCT FEATURES:

1. W17 Hex Driver
2. Floating washer to protect the wheels
3. Effective thread length: 30mm
4. Aerospace AMS 4928 Titanium Ti-6Al-4V
5. PVD Coating for better performance of wearing resistance
6. Weight: 32g (M12L45)



PIC-38



PIC-39



PIC-40

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M12L30N-HT150A M14L30N-HT150A	M12X 1.5 M14X 1.5	30 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L35N-HT150A M14L35N-HT150A	M12X 1.5 M14X 1.5	35 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L40N-HT150A M14L40N-HT150A	M12X 1.5 M14X 1.5	40 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L45N-HT150A M14L45N-HT150A	M12X 1.5 M14X 1.5	45 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L50N-HT150A M14L50N-HT150A	M12X 1.5 M14X 1.5	50 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L55N-HT150A M14L55N-HT150A	M12X 1.5 M14X 1.5	55 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI

Remark: more specifications and customization requirements, please contact us.

Hex Series

Hexagon open-end type Ti 64 wheel lug nuts

JUST



PIC-41

PRODUCT FEATURES:

1. W17 Hex driver
2. Cone/Ball seat
3. Effective thread length: 30mm
4. PVD Coating for better performance of wearing resistance
5. Weight: 32g (M12L45)



PIC-42



PIC-43

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M12L20N-OH150A M14L20N-OH150A	M12X 1.5 M14X 1.5	20 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L25N-OH150A M14L25N-OH150A	M12X 1.5 M14X 1.5	25 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L30N-OH150A M14L30N-OH150A	M12X 1.5 M14X 1.5	30 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L35N-OH150A M14L35N-OH150A	M12X 1.5 M14X 1.5	35 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L40N-OH150A M14L40N-OH150A	M12X 1.5 M14X 1.5	40 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L45N-OH150A M14L45N-OH150A	M12X 1.5 M14X 1.5	45 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI

Remark: more specifications and customization requirements, please contact us.

Hex Series

Hexagon close-end type Ti 64 wheel lug nuts

TUN



PIC-44



PIC-45



PIC-46



PIC-47

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M12L25N-OH125E M12L25N-OH150E	M12X 1.25 M12X 1.5	25 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L30N-OH125E M12L30N-OH150E	M12X 1.25 M12X 1.5	30 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L35N-OH125E M12L35N-OH150E	M12X 1.25 M12X 1.5	35 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L40N-OH125E M12L40N-OH150E	M12X 1.25 M12X 1.5	40 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L45N-OH125E M12L45N-OH150E	M12X 1.25 M12X 1.5	45 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L50N-OH125E M12L50N-OH150E	M12X 1.25 M12X 1.5	50 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI

Remark: more specifications and customization requirements, please contact us.

7 Sided Series

7 Sided open-end type Ti 64 wheel lug nuts

JUST



PIC-48

PRODUCT FEATURES:

1. W21 7 Sided(Security lock)
2. Effective thread length: 20mm
3. PVD Coating for better performance of wearing resistance
4. Weight: 25.7g (M12L45)



PIC-49

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M12L20N-OK125A M12L20N-OK150A	M12X 1.25 M12X 1.5	20 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L25N-OK125A M12L25N-OK150A	M12X 1.25 M12X 1.5	25 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L30N-OK125A M12L30N-OK150A	M12X 1.25 M12X 1.5	30 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L35N-OK125A M12L35N-OK150A	M12X 1.25 M12X 1.5	35 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L40N-OK125A M12L40N-OK150A	M12X 1.25 M12X 1.5	40 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L45N-OK125A M12L45N-OK150A	M12X 1.25 M12X 1.5	45 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI

Remark: more specifications and customization requirements, please contact us.

7 Sided Series

7 Sided close-end type Ti 64 wheel lug nuts

JUST

PRODUCT FEATURES:

1. W21 7 Sided (Security lock)
2. Floating washer to protect the wheels
3. Effective thread length: 30mm
4. PVD Coating for better performance of wearing resistance
5. Weight: 34g (M14L44)



PIC-50



PIC-51

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M12L25N-KT125A M12L25N-KT150A	M12X 1.25 M12X 1.5	25 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L30N-KT125A M12L30N-KT150A	M12X 1.25 M12X 1.5	30 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L35N-KT125A M12L35N-KT150A	M12X 1.25 M12X 1.5	35 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L40N-KT125A M12L40N-KT150A	M12X 1.25 M12X 1.5	40 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L45N-KT125A M12L45N-KT150A	M12X 1.25 M12X 1.5	45 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L50N-KT125A M12L50N-KT150A	M12X 1.25 M12X 1.5	50 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI

Remark: more specifications and customization requirements, please contact us.

Spline Series

6 Spline type Ti 64 wheel lug nuts

TUN



PIC-52

PRODUCT FEATURES:

1. W19 spline (Security lock)
2. Cone seat
3. Effective thread length: 30mm
4. PVD Coating for better performance of wearing resistance
5. Weight: 32g (M12L45)



PIC-53



PIC-54

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M12L30N-6G125A M12L30N-6G150A	M12X 1.25 M12X 1.5	30 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L35N-6G125A M12L35N-6G150A	M12X 1.25 M12X 1.5	35 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L40N-6G125A M12L40N-6G150A	M12X 1.25 M12X 1.5	40 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L45N-6G125A M12L45N-6G150A	M12X 1.25 M12X 1.5	45 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L50N-6G125A M12L50N-6G150A	M12X 1.25 M12X 1.5	50 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L55N-6G125A M12L55N-6G150A	M12X 1.25 M12X 1.5	55 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI

Remark: more specifications and customization requirements, please contact us.

Socket Series

Torx/ Hex socket type Ti 64 wheel lug nuts

TUN

PRODUCT FEATURES:

1. T70 Torx/ Hex W12mm
2. Fits on small wheels
3. Effective thread length: 25mm
4. PVD Coating for better performance of wearing resistance
5. Weight: 28g (M12L40)



PIC-55



PIC-56



PIC-57

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M12L30N-EO125A M12L30N-EO150A	M12X 1.25 M12X 1.5	30 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L35N-EO125A M12L35N-EO150A	M12X 1.25 M12X 1.5	35 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L40N-EO125A M12L40N-EO150A	M12X 1.25 M12X 1.5	40 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L45N-EO125A M12L45N-EO150A	M12X 1.25 M12X 1.5	45 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L50N-EO125A M12L50N-EO150A	M12X 1.25 M12X 1.5	50 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI

Remark: more specifications and customization requirements, please contact us.

Assembly Series

Assembly open-end type Ti64 wheel lug nuts

TUN

Performance



PIC-58



PIC-59



PIC-60

PRODUCT FEATURES:

1. W17 Hex driver
2. Cone seat
3. Effective thread length: 30mm
4. Aerospace AMS 4928 Titanium Ti-6Al-4V
5. Options for bullet type/color variations available

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M12L35N-OH125M M12L35N-OH150M	M12X 1.25 M12X 1.5	35 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L40N-OH125M M12L40N-OH150M	M12X 1.25 M12X 1.5	40 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L45N-OH125M M12L45N-OH150M	M12X 1.25 M12X 1.5	45 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L50N-OH125M M12L50N-OH150M	M12X 1.25 M12X 1.5	50 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L55N-OH125M M12L55N-OH150M	M12X 1.25 M12X 1.5	55 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L60N-OH125M M12L60N-OH150M	M12X 1.25 M12X 1.5	60 mm	CONE 60° / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI

Remark: more specifications and customization requirements, please contact us.

Special Series

7 Spline type Ti 64 wheel lug nuts

JUST

PRODUCT FEATURES:

1. W19 7-spline (Security lock)
2. Effective thread length: 30mm
3. Aerospace AMS 4928 Titanium Ti-6Al-4V
4. Open/Close End
5. Weight: 34g (M12L45)



PIC-61



PIC-62

P/N	SIZE	LENGTH	SEAT TYPE	COLOR
M12L30N-7G125A M12L30N-7G150A	M12X 1.25 M12X 1.5	30 mm	CONE / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L35N-7G125A M12L35N-7G150A	M12X 1.25 M12X 1.5	35 mm	CONE / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L40N-7G125A M12L40N-7G150A	M12X 1.25 M12X 1.5	40 mm	CONE / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L45N-7G125A M12L45N-7G150A	M12X 1.25 M12X 1.5	45 mm	CONE / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI
M12L50N-7G125A M12L50N-7G150A	M12X 1.25 M12X 1.5	50 mm	CONE / BALL	POLISH/ BLACK/ GOLD/ BLUE/ MULTI

Remark: more specifications and customization requirements, please contact us.

Wheel Stud Series

Ti 64 wheel studs

STUD



PIC-63



PIC-64



PIC-65

PRODUCT FEATURES:

1. Pressed-in style (Knurled)
2. Light weight: 30g (M12L67)
3. High strength
4. No more rust
5. High fatigue strength
6. Extremely high resistance to heat

P/N	SIZE	LENGTH	END TYPE	COLOR
M12L50-NT01 M12L50-NT02	M12X 1.25 M12X 1.25	50 mm	CONE / CYLIND.	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M12L55-NT01 M12L55-NT02	M12X 1.25 M12X 1.5	55 mm	CONE / CYLIND.	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M12L60-NT01 M12L60-NT02	M12X 1.25 M12X 1.5	60 mm	CONE / CYLIND.	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M12L65-NT01 M12L65-NT02	M12X 1.25 M12X 1.5	65 mm	CONE / CYLIND.	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M12L70-NT01 M12L70-NT02	M12X 1.25 M12X 1.5	70 mm	CONE / CYLIND.	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M12L75-NT01 M12L75-NT02	M12X 1.25 M12X 1.5	75 mm	CONE / CYLIND.	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Wheel Stud Series

Ti 64 wheel studs

STUD



PIC-66



PIC-67



PIC-68

P/N	SIZE	LENGTH	END TYPE	COLOR
M14L50-NT01 M14L50-NT02	M14X 1.25 M14X 1.25	50 mm	CONE / CYLIND.	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L55-NT01 M14L55-NT02	M14X 1.25 M14X 1.5	55 mm	CONE / CYLIND.	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L60-NT01 M14L60-NT02	M14X 1.25 M14X 1.5	60 mm	CONE / CYLIND.	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L65-NT01 M14L65-NT02	M14X 1.25 M14X 1.5	65 mm	CONE / CYLIND.	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L70-NT01 M14L70-NT02	M14X 1.25 M14X 1.5	70 mm	CONE / CYLIND.	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L75-NT01 M14L75-NT02	M14X 1.25 M14X 1.5	75 mm	CONE / CYLIND.	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

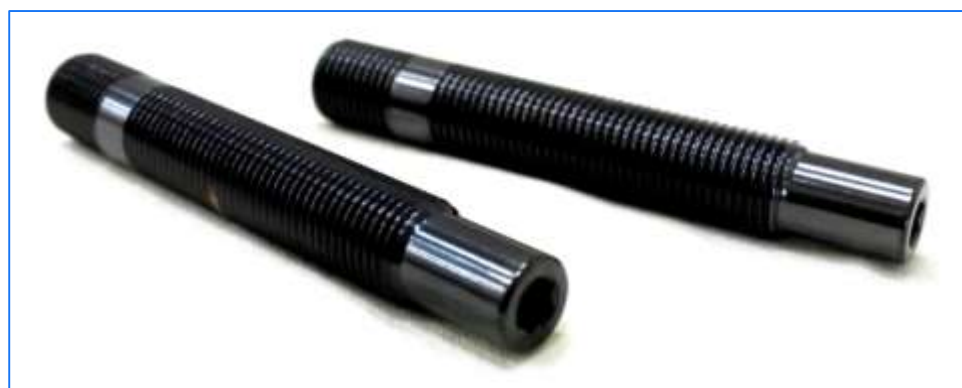
Conversion Stud Series

Hex type Ti 64 wheel conversion studs

STUD



PIC-69



PIC-70

P/N	SIZE	LENGTH	END TYPE	COLOR
M12L65S-EST01 M12L65S-EST02	M12X 1.25 M12X 1.5	65 mm	HEX/ TORX	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M12L70S-EST01 M12L70S-EST02	M12X 1.25 M12X 1.5	70 mm	HEX/ TORX	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M12L72S-EST01 M12L72S-EST02	M12X 1.25 M12X 1.5	72 mm	HEX/ TORX	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M12L75S-EST01 M12L75S-EST02	M12X 1.25 M12X 1.5	75 mm	HEX/ TORX	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M12L78S-EST01 M12L78S-EST02	M12X 1.25 M12X 1.5	78 mm	HEX/ TORX	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M12L80S-EST01 M12L80S-EST02	M12X 1.25 M12X 1.5	80 mm	HEX/ TORX	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Conversion Stud Series

Torx type Ti64 wheel conversion studs

STUD



PIC-71



PIC-72

P/N	SIZE	LENGTH	END TYPE	COLOR
M14L65S-EST01 M14L65S-EST02	M14X 1.25 M14X 1.5	65 mm	HEX/ TORX	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L70S-EST01 M14L70S-EST02	M14X 1.25 M14X 1.5	70 mm	HEX/ TORX	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L72S-EST01 M14L72S-EST02	M14X 1.25 M14X 1.5	72 mm	HEX/ TORX	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L75S-EST01 M14L75S-EST02	M14X 1.25 M14X 1.5	75 mm	HEX/ TORX	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L78S-EST01 M14L78S-EST02	M14X 1.25 M14X 1.5	78 mm	HEX/ TORX	POLISH/ BLACK/ GRAY/ GOLD/ MULTI
M14L80S-EST01 M14L80S-EST02	M14X 1.25 M14X 1.5	80 mm	HEX/ TORX	POLISH/ BLACK/ GRAY/ GOLD/ MULTI

Remark: more specifications and customization requirements, please contact us.

Caliper Piston Series

Ti 64 brake caliper pistons

BRAKE



PIC-73



PIC-74



PIC-75



PIC-76



PIC-77

PRODUCT FEATURES:

1. Light weight
(Density 4.5 g/cm³)
2. High strength
3. No more rust
4. Low thermo conductivity
5. Extremely high resistance to heat
6. Works smoothly with no possibility to get stuck
7. Works smoothly with no delay

Remark: more specifications and customization requirements, please contact us.



TITANIUM SPECIALIST

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