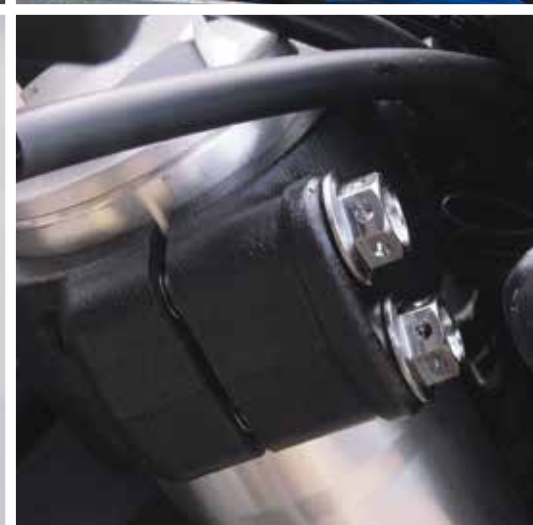
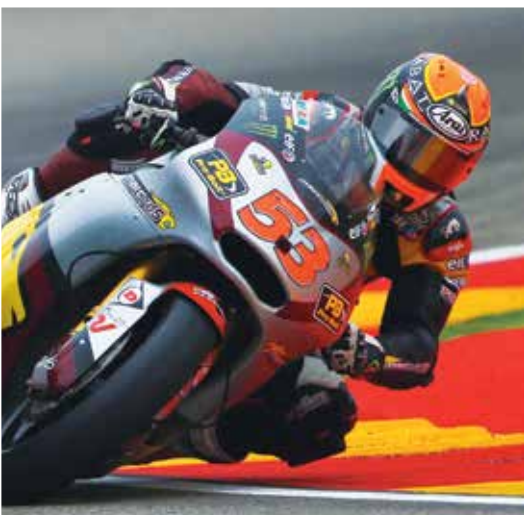




ALUMINIUM | TITANIUM | STAINLESS STEEL



*passionate  
about bolts*



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## ABOUT US

**Pro-Bolt is the world's leading supplier of fasteners and has earned a reputation for excellence in supply, high quality and support from its work in the extremely demanding world of British Superbikes, World Superbikes and MotoGP. Our performance in the paddock means that users from other industry sectors, who need lightweight, high quality and performance fasteners, fit Pro-Bolt. Customers fit and forget with Pro-Bolt.**

Based in the UK's Motorsport valley, Pro-Bolt benefits from easy access to industry innovators and expertise. This, coupled with the knowledge we gain during our bespoke developments for racing clients, keeps our product range at the leading edge of what is possible.

We couple innovative design and technical expertise with great looks and well thought through product ranges. For motorcycle owners we have measured and specified complete bike kits in Aluminium, Stainless Steel and Titanium. In the commercial sector, we offer a range of standard & specialized bolts in addition to our Pro-Bolt Range. As the world's leading supplier of high quality, high performance and quality assured bolts and fasteners, Pro-Bolt's products are everywhere – on satellites in space, on helicopters & UAVs in the sky, at sea and in homes.

### HOW PRO-BOLT'S CUSTOMERS HAVE HELPED US GROW

Our customers use our products in extreme conditions and constantly feed back to us their ideas for improvement, new requirements and application demands. By listening to this feedback we are able to keep our product ranges in line with our customers' needs.

### PRO-BOLT'S QUALITY ASSURANCE

Our products are of superior quality because they are manufactured using fully certified and traceable raw materials, enhanced using multi-axis sliding head machines to ISO9001 standards and then anodised by our in-house experts. We carry high stock levels so that when you need to complete your project, or replace critical parts, we can meet your deadlines.

### BESPOKE MANUFACTURE

If what you need is not a stock item we will make your parts quickly, using the same high quality materials and processes we use in our standard range, so that you can enjoy the same service and peace of mind, where ever your project takes you.

### WORLDWIDE SUPPLY

Pro-Bolt supply more than 50 countries globally, offering multi-currency purchasing, local distribution and support, as well as UPS delivery, all designed to help you complete your projects on time, every time.

### PERSONAL SERVICE COMMITMENT

We are a family owned business and your project matters to us, so we will keep our promises, be flexible when you need us to be and provide a service which delights you.

### PRO-BOLT PRODUCT RANGE PERFORMANCE

**Stainless Steel** : We offer a unique material in unique head styles, polished to an unmatched mirror finish. Manufactured from 316 stainless steel, providing superior strength and corrosion resistance, Pro-Bolt is the first company to provide tapered socket caps, flanged hex head, dome head bolts and countersunk bolts in stainless steel.

**Titanium** : Manufactured from aircraft grade titanium 6AL-4V (grade 5), the outstanding benefits of these products include 42% less weight than the equivalent stainless steel product, whilst the process of rolling the threads produces greater fatigue strength and reduces galling.

**Aluminium** : Offering an outstanding weight reduction of 60% lighter than the equivalent steel bolts, this range is manufactured from 7075T6 aluminium, and is suitable for use in all non-safety critical areas. Products are available in a choice of black, blue, gold, orange, purple, red and silver.



## HOW TO ORDER

### ORDER ONLINE

Global Website: [www.pro-bolt.com](http://www.pro-bolt.com)

– select your preferred country and currency.

### OVERSEAS DISTRIBUTORS

Pro-Bolt has a worldwide network of Distributors – our website [www.pro-bolt.com](http://www.pro-bolt.com) lists the most up-to-date information. If you are interested in becoming a Distributor of our products, please contact [sales@pro-bolt.com](mailto:sales@pro-bolt.com).



### DELIVERY OPTIONS

We aim to deliver from stock in 1-2 days, but please allow 3 days before progressing your order. Delivery Options available are:

- Orders placed using 1st Class Post are not traceable and Pro-Bolt is not responsible for lost in transit or non-delivery;
- Royal Mail Signed for: Signed Proof of Delivery is available once delivered, but is non-traceable during transit;
- Courier: Fully traceable courier service;
- Guaranteed Next Day: Deliveries before 9.30am and/or 1pm are available depending on delivery address;
- Royal Mail: Saturday before 1pm.

### TALK TO US

Office hours: Monday-Thursday 8.30 - 5.00 Friday 8.00 - 4.00

(Answerphone out of hours; all times GMT)

Telephone: +44 (0) 1684 851940 (Motorsport)

Telephone: +44 (0) 1684 854984 (Corporate)

Fax: +44 (0) 1684 850080

E-mail: [sales@pro-bolt.com](mailto:sales@pro-bolt.com)

During UK office hours our Chat Service is available. This feature enables us to answer questions, confirm stock availability, provide advice and assist with navigating our website in real time.

### VISIT US

Come and meet us by visiting our UK office, which is located at: ProBolt Fasteners Ltd, Unit 9d, Delta Drive Industrial Estate, Tewkesbury, Gloucestershire, GL20 8HB, UK.

Alternatively, visit any of our UK stockists to see the quality of our products firsthand. A full list of stockists is available on our website [www.pro-bolt.com](http://www.pro-bolt.com).

### JOIN OUR COMMUNITY

If you enjoy social networking, be the first to find out about our latest products and events by becoming a fan on Facebook. Our social networks provide exclusive images from the paddocks - including MotoGP, Moto2, World Superbikes, World Supersport and British Superbikes. Our range is constantly evolving with new products which are regularly added to our website and broadcast on Facebook and Linked In.

You can also find us on Twitter and YouTube.



### UK STOCKISTS AND DEALERS

Pro-Bolt has a network of stockists who hold a wide range of our products - they will also order in specific kits and accessories for you. A list of Stockists can be found on our website. In addition we have a large number of registered Dealers who also supply and fit our products – from Tuning Shops and Engineering Companies to High Street Shops. Only registered businesses that re-sell products qualify for discounts. If you are interested in becoming a Stockist or Dealer, please contact [sales@pro-bolt.com](mailto:sales@pro-bolt.com).

### CORPORATE CUSTOMERS

Pro-Bolt built its reputation by providing excellent products and customer service in the demanding world of Moto GP. Less well known, but equally important, are our corporate customers who incorporate our products into their marine, space, air and land projects. Go to [www.probolt-technical.com](http://www.probolt-technical.com) to read about the standard and bespoke work we do for our corporate customers. Alternatively contact us by calling 01684 854984 for corporate sales or email [corporate@pro-bolt.com](mailto:corporate@pro-bolt.com).

### ACU DISCOUNTS

Pro-Bolt offer registered ACU racers a 10% discount throughout our range. When ordering, please have your registration details to hand.

### PAYMENT METHODS

Credit or Debit Cards: Please have your card ready. We accept MasterCard, Visa, Delta, Solo, Maestro and American Express.

Cheques: Payable to 'Pro-Bolt'. Please allow 7 working days from receipt of cheque to allow clearance.

Money Orders / Bank Drafts: On receipt of a Pro-Bolt pro-forma invoice, please send payable to 'Pro-Bolt' quoting your order number.

PayPal: We can accept payment by PayPal – please ring for details.

Bank Transfers: Pro-Bolt are able to offer pricing in Pounds Sterling, Euros or US Dollars – please contact us for relevant information.

### PRICE LISTS AND FITMENT GUIDES

This catalogue is supplied with a separate Price List giving prices for individual bolts, packs, boxes and kits. Due to volatile material prices, Pro-Bolt reserves the right to change prices and discontinue products without notice. All retail prices in our Price List include VAT and are in Pounds Sterling. VAT will not be charged to retail customers outside of the EU. VAT will not be charged to registered business outside the EU, or within the EU if a valid VAT number is provided on placement of order.

### SHORTAGES/DAMAGED GOODS

Missing parts or damaged goods must be advised within 48 hours of receipt. Please retain evidence of damaged packaging.

### RETURNS

To return a product, please contact us for a Returns Reference Number within 28 days of purchase. No goods will be accepted without a Returns Reference. Returned goods, supplied correctly, will be subject to a 10% restocking charge. Our freepost address is: Returns, Pro-Bolt Ltd, FREEPOST SWC4834, Severn Drive, Tewkesbury Business Park, Tewkesbury, Glos. GL20 8SF, UK.

### TRADEMARKS

Aprilia™, BMW™, Brembo™, Cagiva™, Ducati™, Harley-Davidson®, Kawasaki™, MV Agusta™, Nissin™, Sumitomo™, Suzuki™, Tokico™, Triumph™, Yamaha™ are registered trademarks, here used only as a reference.

### PRO-BOLT COPYRIGHT

Pro-Bolt is a registered trade mark. Photography and the information present in this catalogue are the property of Pro-Bolt. All rights are reserved.

# MATERIALS

## ALUMINIUM



ALL AVAILABLE IN A CHOICE OF 7 COLOURS:  
BLACK • BLUE • GOLD • ORANGE • PURPLE • RED • SILVER



Lightweight, colour consistent, and machined to a high quality smooth finish, our ever increasing aluminium range allows you to create a unique look and style.

You can customise your project little by little, or make large-scale changes. We offer model specific kits for Motorcycles, Cycle Sets and Rocker Cover Kits. All our fasteners are available in a choice of Black, Blue, Gold, Orange, Purple, Red and Silver.

- **Material Specification:** 70756T6 Aluminium.
- **Manufacturing process:** Head: cold formed; Shank: thread rolled.
- **Anodising:** Chemically brightened and colour anodised to between 8 and 12 microns thick.
- **Weight:** 60% lighter than steel – 40% lighter than Titanium.
- **Corrosion:** Saltwater, road film or mild acids do not affect anodised aluminium
- **Application:** Aluminium is suitable for use in all non-safety critical areas – mudguards, screens, fairings, engine casings, huggers, fuel caps, number plates, lamp units, exhaust cans, heel plates, exhaust manifold brackets, fuel cap surround, air filter, car rocker covers, plus many more. Aluminium is not suitable for any stress area applications. If you are in any doubt as to the suitability of our products for your machine, or the size you need, please contact Pro-Bolt directly.

### MATERIAL PROPERTIES

- Density: .....2730 kg/m<sup>3</sup> (170lb/ft<sup>3</sup>)
- Young's Modulus: .....72GPa (10.4 x 10<sup>3</sup>psi)
- Yield Strength: .....505MPa (73.2 x 10<sup>3</sup>psi)
- Ultimate Tensile Strength:.....570MPa (82.7 x 10<sup>3</sup>psi)
- Compressive Strength: .....505MPa (73.2 x 10<sup>3</sup>psi)
- Shear Modulus: .....27GPa (3.92 x 10<sup>6</sup>psi)
- Shear Strength: .....330MPa (47.9 x 10<sup>3</sup>psi)
- Ductility: .....10% elongation at break
- Poisson's Ratio: .....0.33
- Hardness: .....150 Brinell
- Strength-to-Weight Ratio: .....185 kNm/kg
- Stiffness-to-Weight Ratio: .....26.4 MNm/kg

Thread Diameter	Material Tensile Stress Area (mm <sup>2</sup> )	Max Load (kN)	Total Elongation (mm)
6mm	20.1	11.58	0.56
8mm	36.6	23.19	0.62
10mm	58.0	39.17	1.05

### TORQUE & LUBRICATION

When individual bolts are purchased, torque guides vary depending on the material, manufacturing method, thread diameter, pitch and head style. This torque information can be supplied on request, or is in the website and can be downloaded from [www.pro-bolt.com](http://www.pro-bolt.com) in a separate document entitled 'Material Specification'.

For fasteners in general use, we recommend an anti-seize or a copper based lubricant be applied to the threads in order to prevent galling, the exception being bleed nipples and banjo bolts which should be fitted dry. For bolts in safety critical areas, we would recommend a medium strength threadlock. If you are in any doubt as to the suitability or torque settings of our products for your specific application, please do not hesitate to contact us prior to fitment.



## STAINLESS STEEL

Our stainless steel range of products is manufactured from 316 Stainless Steel, a premium quality product which offers superior strength and corrosion resistance.

Pro-Bolt were first to provide Tapered Socket Caps, Flanged Hex Heads and Domed/Mushroom Fairing Bolts. We are offering a quality grade material in unique head styles – and to a polished mirror finish. Absolutely no polishing is required.

Please note that not all Stainless Steel is suitable for stress areas. However, our 316 Stainless Steel is suitable for Engine Casings, Fairings, Screens, Front Axle Pinch Bolts, Caliper Pinch Bolts, Caliper Mount Bolts, Footrest Hanger Bolts, Clip-On Handle Bar Bolts, Brake/Clutch Pinch Perch Bolts, Top/Bottom Yoke Clamp Bolts. Also available are 1/4 Turn D-Ring Quick Release Fasteners, 1/4 Turn Allen Key Drive Quick Release Fasteners, Brake Caliper Pad Pins, Axle Nuts, Banjo Bolts, Bleed Nipples and Motorcycle Disc Rotor Bolts.

- **Material specification:** 316 Stainless Steel.
- **Manufacturing process:** We manufacture in a single process on multi axis CNC machining centres, which includes thread rolling. Thread standards are to BS3692:1967 which is the British Standard for ISO Precision Metric Threads. Root radii vary between 0.8mm and 0.4mm. This is the maximum that we can use and improves shear strength. Thread lead varies between K1 and K2.
- **Material:** Stainless Steels are iron alloys with a minimum of 10.5% Chromium with other elements (Nickel, Molybdenum, Titanium, Copper, Carbon, Nitrogen) added to enhance properties such as formability and strength. It is the chromium-rich, oxide film that gives the corrosion resistance of Stainless Steel. This protective film is strong and chemically stable (i.e. passive) where there is sufficient oxygen on the surface. This protection is extremely thin and will usually self-repair



AVAILABLE WITH A HIGH POLISH STAINLESS FINISH



if sufficient oxygen is available. Please note: Under certain conditions the passive state can be broken down and corrosion can result.

- **Heat Resistance:** 316 has good resistance to oxidation in continuous service to 870°C and intermittent service to 925°C. However, continuous use at 425-860°C is not recommended due to its resistance to carbide precipitation. Where high strength is required at temperatures above 500°C, Grade 316H is recommended.

### MATERIAL PROPERTIES

- Density: ..... 8030 kg/m<sup>3</sup> (501lb/ft<sup>3</sup>)
- Young's Modulus: ..... 193GPa (28 x 10<sup>6</sup>psi)
- Yield Strength: ..... 260MPa (37.7 x 10<sup>3</sup>psi)
- Ultimate Tensile Strength: ..... 570MPa (82.7 x 10<sup>3</sup>psi)
- Compressive Strength: ..... 260MPa (37.7 x 10<sup>3</sup>psi)
- Shear Modulus: ..... 78GPa (11.3 x 10<sup>6</sup>psi)
- Ductility: ..... 40% elongation at break +
- Minimum value allowed by ..... ASTM A240
- Poisson's Ratio: ..... 0.27
- Hardness: ..... 95 Rockwell B +
- Maximum value allowed by ..... ASTM A240
- Strength-to-Weight Ratio: ..... 32.4kNm/kg
- Stiffness-to-Weight Ratio: ..... 24 M Nm/kg

Thread Diameter	Material Tensile Stress Area (mm <sup>2</sup> )	Max Load (kN)	Total Elongation (mm)
6mm	20.1	16.40	1.93
8mm	36.6	29.15	2.85
10mm	58.0	46.89	3.70

### TORQUE & LUBRICATION:

When individual bolts are purchased, torque guides vary depending on the material, manufacturing method, thread diameter, pitch and head style. This torque information can be supplied on request, or is in the 'Materials Information' on our [www.probolt-technical.com](http://www.probolt-technical.com) website, or can be downloaded from [www.pro-bolt.com](http://www.pro-bolt.com) in a separate document entitled 'Material Specification'.

For fasteners in general use, we recommend an anti-seize or a copper based lubricant be applied to the threads in order to prevent galling, the exception being bleed nipples and banjo bolts which should be fitted dry. For bolts in safety critical areas, we would recommend a medium strength threadlock. If you are in any doubt as to the suitability or torque settings of our products for your specific application, please do not hesitate to contact us prior to fitment.



## TITANIUM

Made from aircraft grade Titanium 6AL-4V (grade 5), our titanium bolts have a tensile strength in excess of 120,000psi, suitable for replacing both Grade 5 and Grade 8 steel bolts. In addition, we roll the threads to produce greater fatigue strength and reduce galling.

We carry the UK's widest range of products for the automotive industry, among others. We offer Flanged Hex Head, Tapered Socket Cap, Countersunk, and Dome Head Bolts, Nuts and Washers – from 3mm to 12mm. We also offer Axle Nuts, Swingarm Nuts, Yoke Nuts, Caliper Pins, Banjo Bolts, Disc Bolts and many more specifically machined items. All our Titanium nuts, bolts, washers and specially machined items are available in natural, blue, gold and purple haze, with the exception of our Race-Spec range which has a factory finish.

### MATERIAL PROPERTIES

- Density: ..... 4420 kg/m<sup>3</sup> (276lb/ft<sup>3</sup>)
- Young's Modulus: ..... 110GPa (16 x 10<sup>6</sup>psi)
- Yield Strength: ..... 828 MPa (120 x 10<sup>3</sup>psi)
- Ultimate Tensile Strength: ..... 1030MPa (149 x 10<sup>3</sup>psi)
- Compressive Strength: ..... 960MPa (139 x 10<sup>3</sup>psi)
- Shear Modulus: ..... 43GPa (6.24 x 10<sup>6</sup>psi)
- Ductility: ..... 10% elongation at break
- Poisson's Ratio: ..... 0.34
- Hardness: ..... 36 Rockwell C
- Maximum value allowed by ..... ASTM A240
- Strength-to-Weight Ratio ..... 187kNm/kg
- Stiffness-to-Weight Ratio ..... 24.9MNm/kg

Thread Diameter	Material Tensile Stress Area (mm <sup>2</sup> )	Max Load (kN)	Total Elongation (mm)
6mm	20.1	21.25	0.54
8mm	36.6	36.78	0.48
10mm	58.0	53.53	1.45



ALL AVAILABLE IN A CHOICE OF 4 COLOURS:  
BLUE • GOLD • NATURAL • PURPLE HAZE

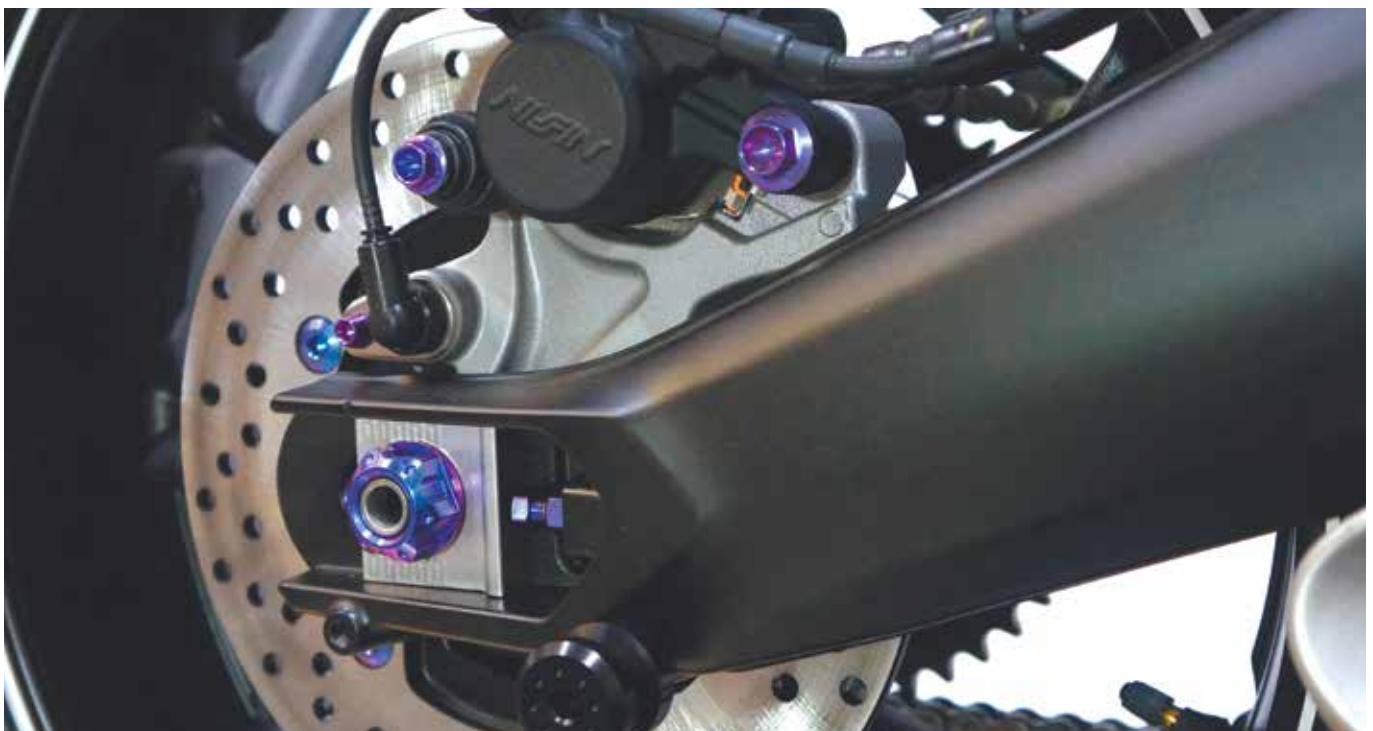


- **Material specification:** Ti-6Al-4V, an alloy introduced in 1954, is a good general purpose grade. Titanium alloy is available in all product forms. Its density is 0.160 pounds per cubic inch. It can be heat-treated to ultimate strengths in excess of 170,000psi and responds to heat treatment in sections up to 15mm. This alloy is stable at temperatures ranging from 423°F to over 1000°F.
- **Manufacturing process:** We manufacture in a single process on multi axis CNC machining centres, which includes thread rolling. Thread standards are to BS3692:1967 which is the British Standard for ISO Precision Metric Threads. Root radii vary between 0.8mm and 0.4mm. This is the maximum that we can use and improves shear strength. Thread lead varies between K1 and K2.
- **Weight:** 42% lighter than steel.
- **Other Items:** Machined from bar.

### TORQUE & LUBRICATION

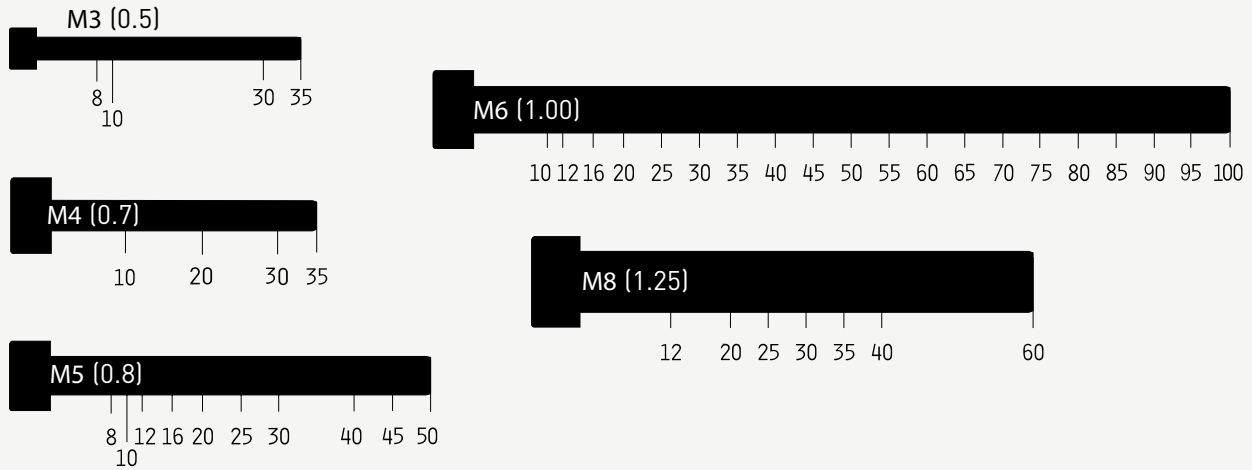
When individual bolts are purchased, torque guides vary depending on the material, manufacturing method, thread diameter, pitch and head style. This torque information can be supplied on request, or is in the 'Materials Information' on our [www.probolt-technical.com](http://www.probolt-technical.com) website, or can be downloaded from [www.probolt.com](http://www.probolt.com) in a separate document entitled 'Material Specification'.

For fasteners in general use, we recommend an anti-seize or a copper based lubricant be applied to the threads in order to prevent galling, the exception being bleed nipples and banjo bolts which should be fitted dry. For bolts in safety critical areas, we would recommend a medium strength threadlock. If you are in any doubt as to the suitability or torque settings of our products for your specific application, please do not hesitate to contact us prior to fitment.



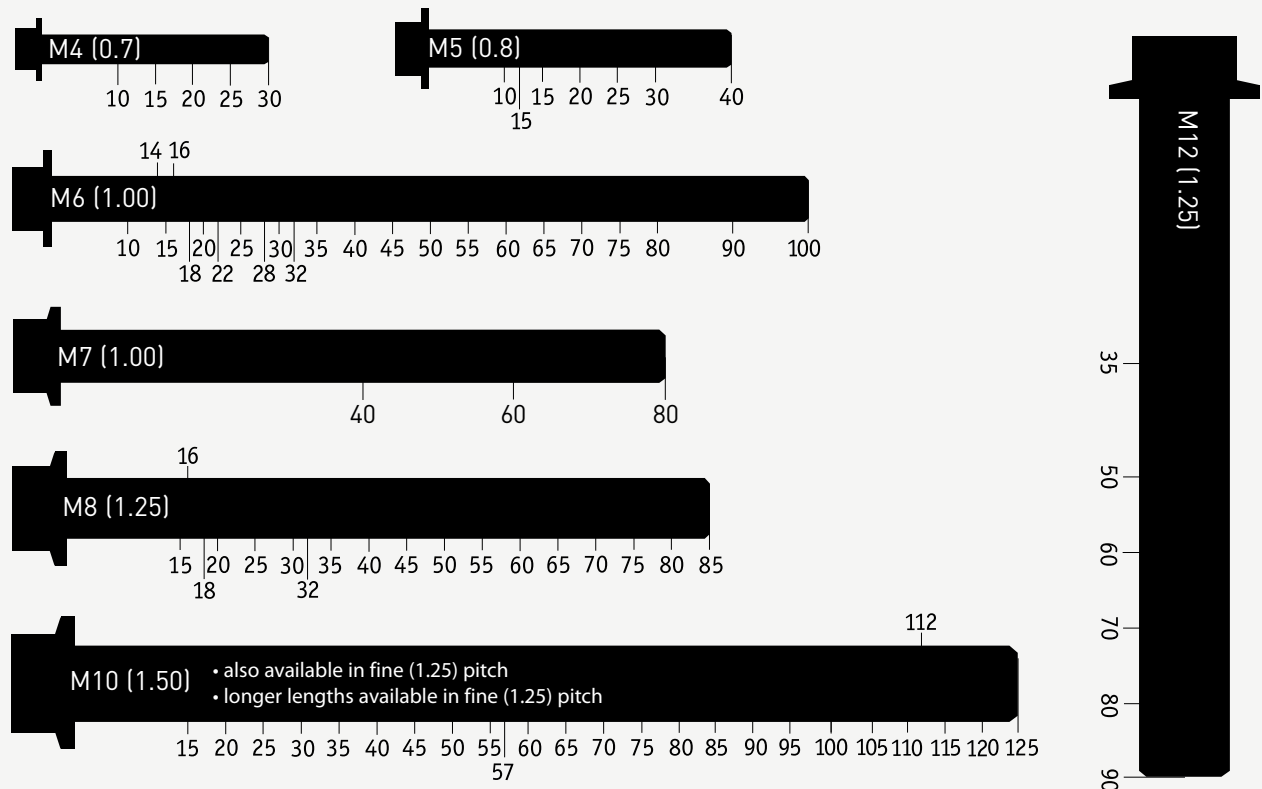
**Note:** Not all sizes are available in ALL materials, please refer to relevant material section.

## Standard Allen Key Socket Cap Bolts



## Flanged Hex Head Bolts

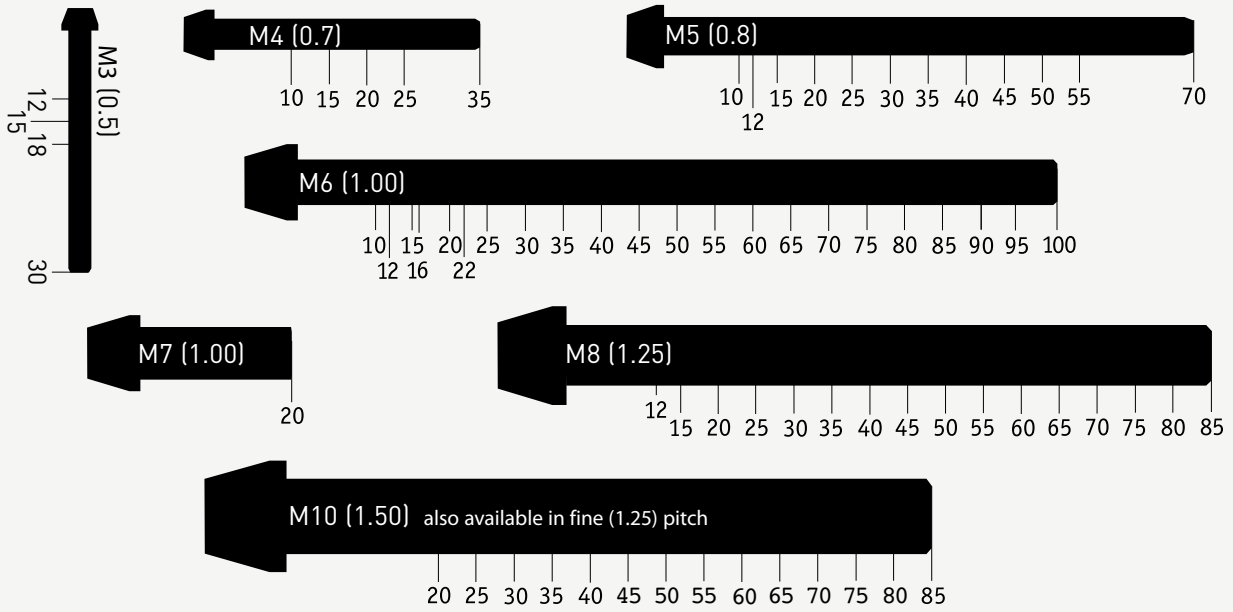
( These profiles also apply to Hex-Head Bolts from our DIN/ISO range, but without the captive washer)



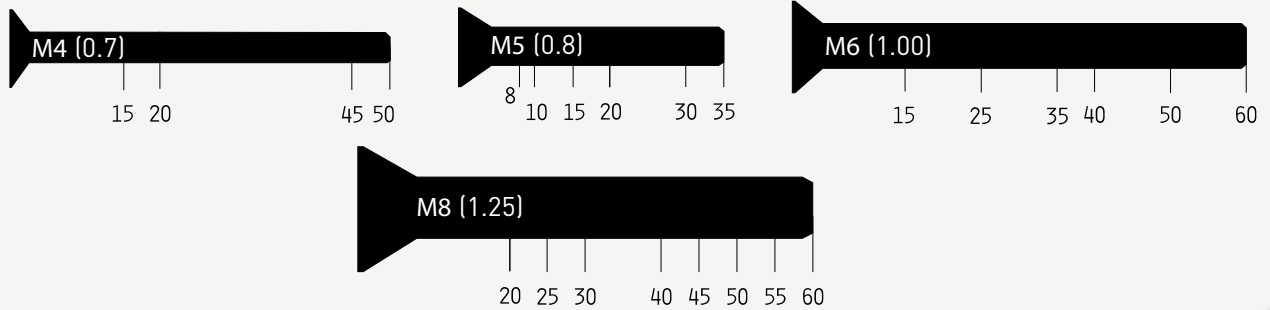


# PRODUCT SILHOUETTES

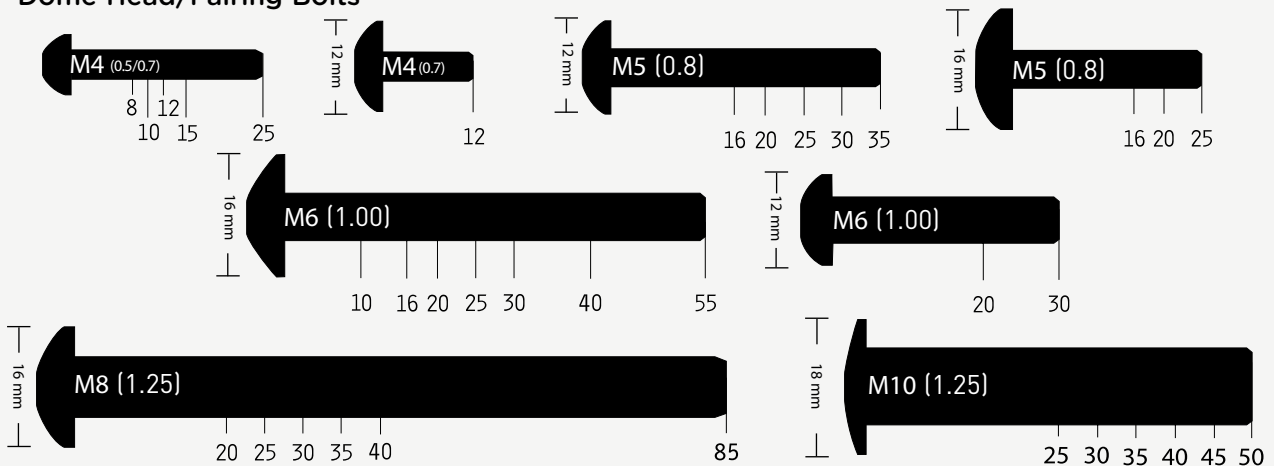
## Tapered Socket Cap Bolts



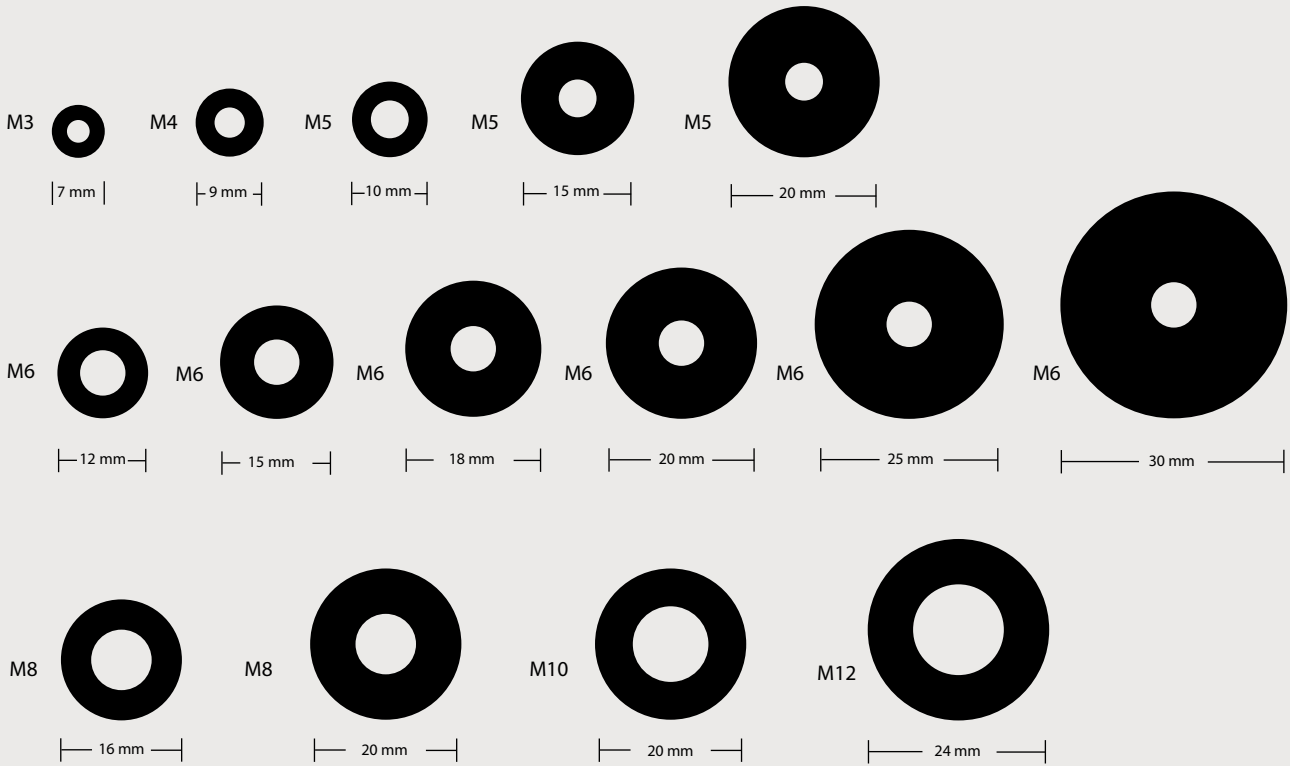
## Countersunk Bolts



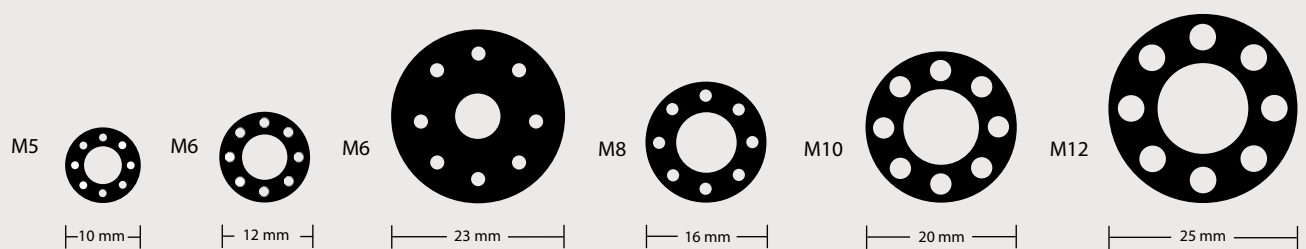
## Dome Head/Fairing Bolts



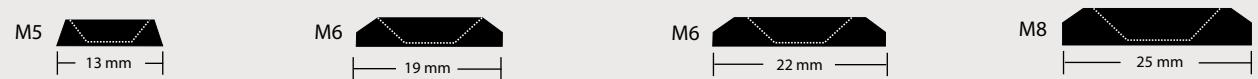
## Flat Washers



## Drilled Washers

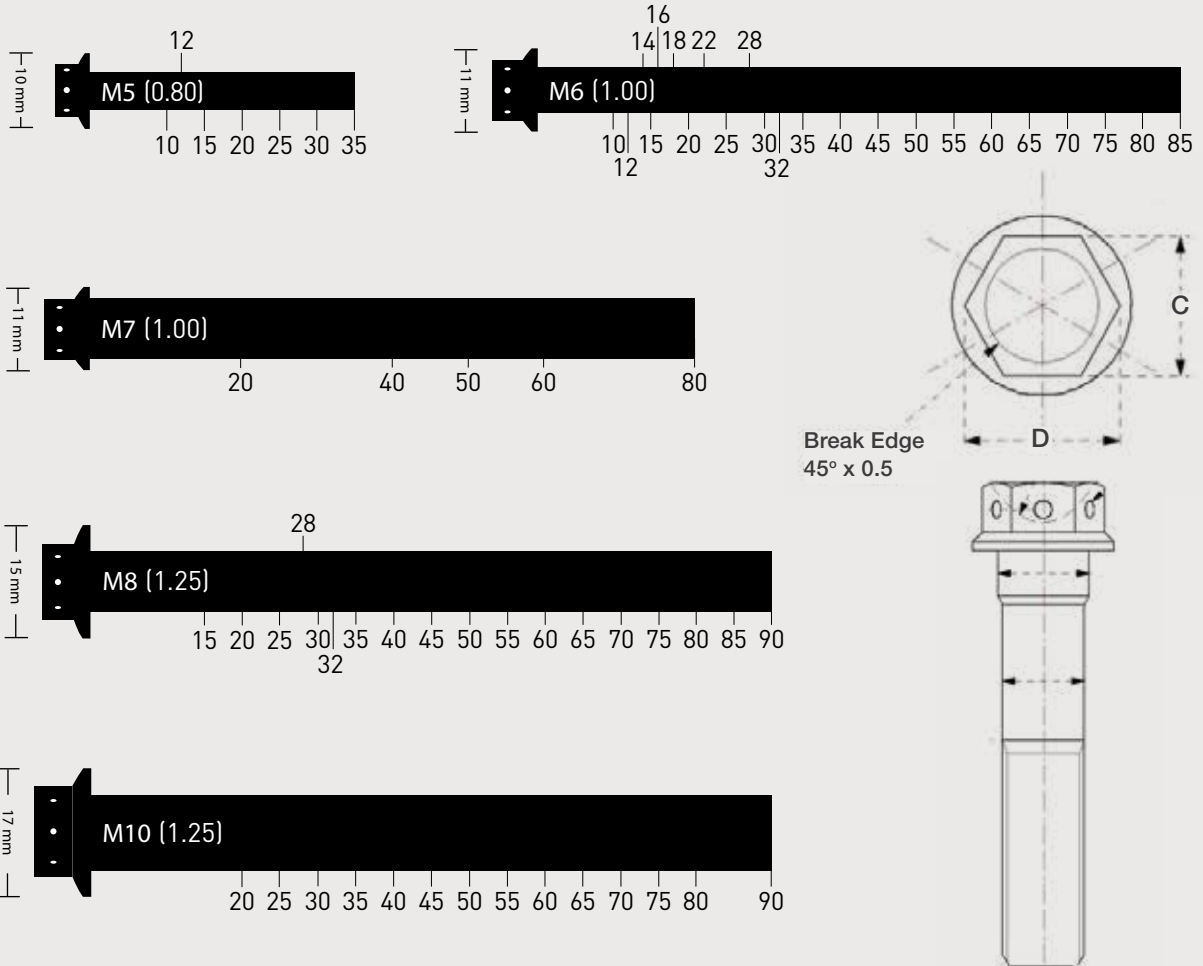


## Countersunk Bodywork Washers

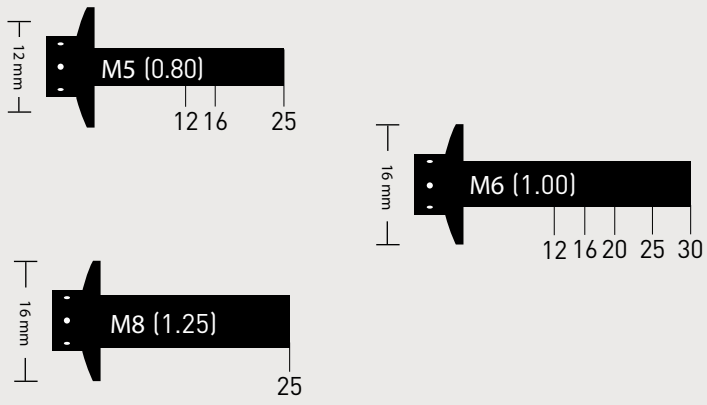


# PRODUCT SILHOUETTES

## Race Spec Bolts



## Race Spec Bodywork Bolts





# THE ISO/DIN RANGE

## DIN 126 Plain Washer

Titanium Part No.	Stainless Part No.	Inside Diameter	Washer Thickness	Outside Diameter
TIWADIN4	SSWADIN4	4.3	0.8	9
TIWADIN5	SSWADIN5	5.3	1.0	10
TIWADIN6	SSWADIN6	6.4	1.6	12
TIWADIN8	SSWADIN8	8.4	1.6	16
TIWADIN10	SSWADIN10	10.5	2.0	24
TIWADIN12	SSWADIN12	13	2.5	26

## DIN 934 Hexagon Nut

Titanium Part No.	Stainless Part No.	Nut Diameter	Nut Height	Socket Width	Pitch
TIFNDIN3	SSFNDIN3	3	3	5.5	0.5
TIFNDIN4	SSFNDIN4	4	4	7	0.7
TIFNDIN5	SSFNDIN5	5	5	8	0.8
TIFNDIN6	SSFNDIN6	6	6	10	1
TIFNDIN8	SSFNDIN8	8	8	13	1.25
TIFNDIN10F	SSFNDIN10F	10	10	17	1.25
TIFNDIN10	SSFNDIN10	10	10	17	1.5
TIFNDIN12FF	SSFNDIN12FF	12	12	19	1.25
TIFNDIN12F	SSFNDIN12F	12	12	19	1.5
TIFNDIN12	SSFNDIN12	12	12	19	1.75

## DIN 6923 Flanged Hexagon Nut

Titanium Part No.	Stainless Part No.	Nut Diameter	Nut Height	Socket Width	Flange Diameter	Pitch
TIFNFLDIN5	SSFNFLDIN5	5	5	8	11.8	0.8
TIFNFLDIN6	SSFNFLDIN6	6	6	10	14.2	1
TIFNFLDIN8	SSFNFLDIN8	8	8	12	17.9	1.25
TIFNFLDIN10F	SSFNFLDIN10F	10	10	15	21.8	1.25
TIFNFLDIN10	SSFNFLDIN10	10	10	15	21.8	1.5
TIFNFLDIN12FF	SSFNFLDIN12FF	12	12	18	26	1.25
TIFNFLDIN12F	SSFNFLDIN12F	12	12	18	26	1.5
TIFNFLDIN12	SSFNFLDIN12	12	12	18	26	1.75

## DIN 7991 - Countersunk Head (part threaded) 90 Deg

Titanium Part No.	Stainless Part No.	Shaft Diameter	Bolt Length	Thread Length	Head Width	Head Height	Socket Width	Pitch
TICSDIN308	SSCSDIN308	3	8	6.14	6.72	1.86	2	0.5
TICSDIN310	SSCSDIN310	3	10	8.14	6.72	1.86	2	0.5
TICSDIN312	SSCSDIN312	3	12	10.14	6.72	1.86	2	0.5
TICSDIN315	SSCSDIN315	3	15	13.14	6.72	1.86	2	0.5
TICSDIN320	SSCSDIN320	3	20	18	6.72	1.86	2	0.5
TICSDIN325	SSCSDIN325	3	25	18	6.72	1.86	2	0.5

TICSDIN408	SSCSDIN408	4	8	5.52	8.96	2.48	2.5	0.7
TICSDIN410	SSCSDIN410	4	10	7.52	8.96	2.48	2.5	0.7
TICSDIN412	SSCSDIN412	4	12	9.52	8.96	2.48	2.5	0.7
TICSDIN415	SSCSDIN415	4	15	12.52	8.96	2.48	2.5	0.7
TICSDIN420	SSCSDIN420	4	20	17.52	8.96	2.48	2.5	0.7
TICSDIN425	SSCSDIN425	4	25	20	8.96	2.48	2.5	0.7

TICSDIN510	SSCSDIN510	5	10	6.8	11.2	3.2	3	0.8
TICSDIN512	SSCSDIN512	5	12	8.8	11.2	3.2	3	0.8
TICSDIN515	SSCSDIN515	5	15	11.8	11.2	3.2	3	0.8
TICSDIN520	SSCSDIN520	5	20	16.8	11.2	3.2	3	0.8
TICSDIN525	SSCSDIN525	5	25	21.8	11.2	3.2	3	0.8
TICSDIN530	SSCSDIN530	5	30	22	11.2	3.2	3	0.8
TICSDIN535	SSCSDIN535	5	35	22	11.2	3.2	3	0.8
TICSDIN540	SSCSDIN540	5	40	22	11.2	3.2	3	0.8

TICSDIN610	SSCSDIN610	6	10	6.28	13.44	3.72	4	1
TICSDIN612	SSCSDIN612	6	12	8.28	13.44	3.72	4	1
TICSDIN615	SSCSDIN615	6	15	11.28	13.44	3.72	4	1
TICSDIN620	SSCSDIN620	6	20	16.28	13.44	3.72	4	1
TICSDIN625	SSCSDIN625	6	25	21.28	13.44	3.72	4	1
TICSDIN630	SSCSDIN630	6	30	24	13.44	3.72	4	1
TICSDIN635	SSCSDIN635	6	35	24	13.44	3.72	4	1
TICSDIN640	SSCSDIN640	6	40	24	13.44	3.72	4	1
TICSDIN645	SSCSDIN645	6	45	24	13.44	3.72	4	1
TICSDIN650	SSCSDIN650	6	50	24	13.44	3.72	4	1
TICSDIN655	SSCSDIN655	6	55	24	13.44	3.72	4	1
TICSDIN660	SSCSDIN660	6	60	24	13.44	3.72	4	1
TICSDIN665	SSCSDIN665	6	65	24	13.44	3.72	4	1
TICSDIN670	SSCSDIN670	6	70	24	13.44	3.72	4	1
TICSDIN675	SSCSDIN675	6	75	24	13.44	3.72	4	1

Titanium Part No.	Stainless Part No.	Shaft Diameter	Bolt Length	Thread Length	Head Width	Head Height	Socket Width	Pitch
TICSDIN680	SSCSDIN680	6	80	24	13.44	3.72	4	1
TICSDIN685	SSCSDIN685	6	85	24	13.44	3.72	4	1
TICSDIN690	SSCSDIN690	6	90	24	13.44	3.72	4	1

TICSDIN815	SSCSDIN815	8	15	10.04	17.92	4.96	5	1.25
TICSDIN820	SSCSDIN820	8	20	15.04	17.92	4.96	5	1.25
TICSDIN825	SSCSDIN825	8	25	20.04	17.92	4.96	5	1.25
TICSDIN830	SSCSDIN830	8	30	25.04	17.92	4.96	5	1.25
TICSDIN835	SSCSDIN835	8	35	28	17.92	4.96	5	1.25
TICSDIN840	SSCSDIN840	8	40	28	17.92	4.96	5	1.25
TICSDIN845	SSCSDIN845	8	45	28	17.92	4.96	5	1.25
TICSDIN850	SSCSDIN850	8	50	28	17.92	4.96	5	1.25
TICSDIN855	SSCSDIN855	8	55	28	17.92	4.96	5	1.25
TICSDIN860	SSCSDIN860	8	60	28	17.92	4.96	5	1.25
TICSDIN865	SSCSDIN865	8	65	28	17.92	4.96	5	1.25
TICSDIN870	SSCSDIN870	8	70	28	17.92	4.96	5	1.25
TICSDIN875	SSCSDIN875	8	75	28	17.92	4.96	5	1.25
TICSDIN880	SSCSDIN880	8	80	28	17.92	4.96	5	1.25
TICSDIN885	SSCSDIN885	8	85	28	17.92	4.96	5	1.25
TICSDIN890	SSCSDIN890	8	90	28	17.92	4.96	5	1.25

TICSDIN1020F	SSCSDIN1020F	10	20	13.8	22.4	6.2	6	1.25
TICSDIN1025F	SSCSDIN1025F	10	25	18.8	22.4	6.2	6	1.25
TICSDIN1030F	SSCSDIN1030F	10	30	23.8	22.4	6.2	6	1.25
TICSDIN1035F	SSCSDIN1035F	10	35	28.8	22.4	6.2	6	1.25
TICSDIN1040F	SSCSDIN1040F	10	40	32	22.4	6.2	6	1.25
TICSDIN1045F	SSCSDIN1045F	10	45	32	22.4	6.2	6	1.25
TICSDIN1050F	SSCSDIN1050F	10	50	32	22.4	6.2	6	1.25
TICSDIN1055F	SSCSDIN1055F	10	55	32	22.4	6.2	6	1.25
TICSDIN1060F	SSCSDIN1060F	10	60	32	22.4	6.2	6	1.25
TICSDIN1065F	SSCSDIN1065F	10	65	32	22.4	6.2	6	1.25
TICSDIN1070F	SSCSDIN1070F	10	70	32	22.4	6.2	6	1.25
TICSDIN1075F	SSCSDIN1075F	10	75	32	22.4	6.2	6	1.25
TICSDIN1080F	SSCSDIN1080F	10	80	32	22.4	6.2	6	1.25
TICSDIN1085F	SSCSDIN1085F	10	85	32	22.4	6.2	6	1.25
TICSDIN1090F	SSCSDIN1090F	10	90	32	22.4	6.2	6	1.25

TICSDIN1020	SSCSDIN1020	10	20	13.8	22.4	6.2	6	1.5
TICSDIN1025	SSCSDIN1025	10	25	18.8	22.4	6.2	6	1.5
TICSDIN1030	SSCSDIN1030	10	30	23.8	22.4	6.2	6	1.5
TICSDIN1035	SSCSDIN1035	10	35	28.8	22.4	6.2	6	1.5
TICSDIN1040	SSCSDIN1040	10	40	32	22.4	6.2	6	1.5
TICSDIN1045	SSCSDIN1045	10	45	32	22.4	6.2	6	1.5
TICSDIN1050	SSCSDIN1050	10	50	32	22.4	6.2	6	1.5
TICSDIN1055	SSCSDIN1055	10	55	32	22.4	6.2	6	1.5
TICSDIN1060	SSCSDIN1060	10	60	32	22.4	6.2	6	1.5
TICSDIN1065	SSCSDIN1065	10	65	32	22.4	6.2	6	1.5
TICSDIN1070	SSCSDIN1070	10	70	32	22.4	6.2	6	1.5
TICSDIN1075	SSCSDIN1075	10	75	32	22.4	6.2	6	1.5
TICSDIN1080	SSCSDIN1080	10	80	32	22.4	6.2	6	1.5
TICSDIN1085	SSCSDIN1085	10	85	32	22.4	6.2	6	1.5
TICSDIN1090	SSCSDIN1090	10	90	32	22.4	6.2	6	1.5

## ISO7380 - Socket Button Hex Head (fully threaded)

Titanium Part No.	Stainless Part No.	Shaft Diameter	Shaft Length	Thread Length	Head Width	Head Height	Socket Width	Pitch
TIFBDIN308	SSFBDIN308	3	8	8	5.7	1.65	2	0.5
TIFBDIN310	SSFBDIN310	3	10	10	5.7	1.65	2	0.5
TIFBDIN312	SSFBDIN312	3	12	12	5.7	1.65	2	0.5
TIFBDIN316	SSFBDIN316	3	16	16	5.7	1.65	2	0.5

TIFBDIN408	SSFBDIN408	4	8	8	7.6	2.2	2.5	0.7
TIFBDIN410	SSFBDIN410	4	10	10	7.6	2.2	2.5	0.7
TIFBDIN412	SSFBDIN412	4	12	12	7.6	2.2	2.5	0.7
TIFBDIN416	SSFBDIN416	4	16	16	7.6	2.2	2.5	0.7
TIFBDIN420	SSFBDIN420	4	20	20	7.6	2.2	2.5	0.7

TIFBDIN510	SSFBDIN510	5	10	10	9.5	2.75	3	0.8
TIFBDIN512	SSFBDIN512	5	12	12	9.5	2.75	3	0.8
TIFBDIN515	SSFBDIN515	5	15	15	9.5	2.75	3	0.8
TIFBDIN520	SSFBDIN520	5	20	20	9.5	2.75	3	0.8
TIFBDIN525	SSFBDIN525	5	25	25	9.5	2.75	3	0.8
TIFBDIN530	SSFBDIN530	5	30	30	9.5	2.75	3	0.8
TIFBDIN535	SSFBDIN535	5	35	35	9.5	2.75	3	0.8
TIFBDIN540	SSFBDIN540	5	40	40	9.5	2.75	3	0.8

TIFBDIN610	SSFBDIN610	6	10	10	10.5	3.3	4	1
TIFBDIN612	SSFBDIN612	6	12	12	10.5	3.3	4	1
TIFBDIN615	SSFBDIN615	6	15	15	10.5	3.3	4	1
TIFBDIN620	SSFBDIN620	6	20	20	10.5	3.3	4	1
TIFBDIN625	SSFBDIN625	6	25	25	10.5	3.3	4	1
TIFBDIN630	SSFBDIN630	6	30	30	10.5	3.3	4	1
TIFBDIN635	SSFBDIN635	6	35	35	10.5	3.3	4	1

# STAINLESS STEEL : TITANIUM

Titanium Part No.	Stainless Part No.	Shaft Diameter	Shaft Length	Thread Length	Head Width	Head Height	Socket Width	Pitch
TIFBDIN640	SSFBDIN640	6	40	40	10.5	3.3	4	1
TIFBDIN645	SSFBDIN645	6	45	45	10.5	3.3	4	1
TIFBDIN650	SSFBDIN650	6	50	50	10.5	3.3	4	1
TIFBDIN655	SSFBDIN655	6	55	55	10.5	3.3	4	1
TIFBDIN660	SSFBDIN660	6	60	60	10.5	3.3	4	1
TIFBDIN665	SSFBDIN665	6	65	65	10.5	3.3	4	1
TIFBDIN670	SSFBDIN670	6	70	70	10.5	3.3	4	1
TIFBDIN675	SSFBDIN675	6	75	75	10.5	3.3	4	1
TIFBDIN680	SSFBDIN680	6	80	80	10.5	3.3	4	1
TIFBDIN685	SSFBDIN685	6	85	85	10.5	3.3	4	1
TIFBDIN690	SSFBDIN690	6	90	90	10.5	3.3	4	1

TIFBDIN815	SSFBDIN815	8	15	15	14	4.4	5	1.25
TIFBDIN820	SSFBDIN820	8	20	20	14	4.4	5	1.25
TIFBDIN825	SSFBDIN825	8	25	25	14	4.4	5	1.25
TIFBDIN830	SSFBDIN830	8	30	30	14	4.4	5	1.25
TIFBDIN835	SSFBDIN835	8	35	35	14	4.4	5	1.25
TIFBDIN840	SSFBDIN840	8	40	40	14	4.4	5	1.25
TIFBDIN845	SSFBDIN845	8	45	45	14	4.4	5	1.25
TIFBDIN850	SSFBDIN850	8	50	50	14	4.4	5	1.25
TIFBDIN855	SSFBDIN855	8	55	55	14	4.4	5	1.25
TIFBDIN860	SSFBDIN860	8	60	60	14	4.4	5	1.25
TIFBDIN865	SSFBDIN865	8	65	65	14	4.4	5	1.25
TIFBDIN870	SSFBDIN870	8	70	70	14	4.4	5	1.25
TIFBDIN875	SSFBDIN875	8	75	75	14	4.4	5	1.25
TIFBDIN880	SSFBDIN880	8	80	80	14	4.4	5	1.25
TIFBDIN885	SSFBDIN885	8	85	85	14	4.4	5	1.25
TIFBDIN890	SSFBDIN890	8	90	90	14	4.4	5	1.25

TIFBDIN1020F	SSFBDIN1020F	10	20	20	17.5	5.5	6	1.25
TIFBDIN1025F	SSFBDIN1025F	10	25	25	17.5	5.5	6	1.25
TIFBDIN1030F	SSFBDIN1030F	10	30	30	17.5	5.5	6	1.25
TIFBDIN1035F	SSFBDIN1035F	10	35	35	17.5	5.5	6	1.25
TIFBDIN1040F	SSFBDIN1040F	10	40	40	17.5	5.5	6	1.25
TIFBDIN1045F	SSFBDIN1045F	10	45	45	17.5	5.5	6	1.25
TIFBDIN1050F	SSFBDIN1050F	10	50	50	17.5	5.5	6	1.25
TIFBDIN1055F	SSFBDIN1055F	10	55	55	17.5	5.5	6	1.25
TIFBDIN1060F	SSFBDIN1060F	10	60	60	17.5	5.5	6	1.25
TIFBDIN1065F	SSFBDIN1065F	10	65	65	17.5	5.5	6	1.25
TIFBDIN1070F	SSFBDIN1070F	10	70	70	17.5	5.5	6	1.25
TIFBDIN1075F	SSFBDIN1075F	10	75	75	17.5	5.5	6	1.25
TIFBDIN1080F	SSFBDIN1080F	10	80	80	17.5	5.5	6	1.25
TIFBDIN1085F	SSFBDIN1085F	10	85	85	17.5	5.5	6	1.25
TIFBDIN1090F	SSFBDIN1090F	10	90	90	17.5	5.5	6	1.25

TIFBDIN1020	SSFBDIN1020	10	20	20	17.5	5.5	6	1.5
TIFBDIN1025	SSFBDIN1025	10	25	25	17.5	5.5	6	1.5
TIFBDIN1030	SSFBDIN1030	10	30	30	17.5	5.5	6	1.5
TIFBDIN1035	SSFBDIN1035	10	35	35	17.5	5.5	6	1.5
TIFBDIN1040	SSFBDIN1040	10	40	40	17.5	5.5	6	1.5
TIFBDIN1045	SSFBDIN1045	10	45	45	17.5	5.5	6	1.5
TIFBDIN1050	SSFBDIN1050	10	50	50	17.5	5.5	6	1.5
TIFBDIN1055	SSFBDIN1055	10	55	55	17.5	5.5	6	1.5
TIFBDIN1060	SSFBDIN1060	10	60	60	17.5	5.5	6	1.5
TIFBDIN1065	SSFBDIN1065	10	65	65	17.5	5.5	6	1.5
TIFBDIN1070	SSFBDIN1070	10	70	70	17.5	5.5	6	1.5
TIFBDIN1075	SSFBDIN1075	10	75	75	17.5	5.5	6	1.5
TIFBDIN1080	SSFBDIN1080	10	80	80	17.5	5.5	6	1.5
TIFBDIN1085	SSFBDIN1085	10	85	85	17.5	5.5	6	1.5
TIFBDIN1090	SSFBDIN1090	10	90	90	17.5	5.5	6	1.5

TIFBDIN1220FF	SSFBDIN1220FF	12	20	20	21	6.6	8	1.25
TIFBDIN1225FF	SSFBDIN1225FF	12	25	25	21	6.6	8	1.25
TIFBDIN1230FF	SSFBDIN1230FF	12	30	30	21	6.6	8	1.25
TIFBDIN1235FF	SSFBDIN1235FF	12	35	35	21	6.6	8	1.25
TIFBDIN1240FF	SSFBDIN1240FF	12	40	40	21	6.6	8	1.25
TIFBDIN1245FF	SSFBDIN1245FF	12	45	45	21	6.6	8	1.25
TIFBDIN1250FF	SSFBDIN1250FF	12	50	50	21	6.6	8	1.25
TIFBDIN1255FF	SSFBDIN1255FF	12	55	55	21	6.6	8	1.25
TIFBDIN1260FF	SSFBDIN1260FF	12	60	60	21	6.6	8	1.25
TIFBDIN1265FF	SSFBDIN1265FF	12	65	65	21	6.6	8	1.25
TIFBDIN1270FF	SSFBDIN1270FF	12	70	70	21	6.6	8	1.25
TIFBDIN1275FF	SSFBDIN1275FF	12	75	75	21	6.6	8	1.25
TIFBDIN1280FF	SSFBDIN1280FF	12	80	80	21	6.6	8	1.25
TIFBDIN1285FF	SSFBDIN1285FF	12	85	85	21	6.6	8	1.25
TIFBDIN1290FF	SSFBDIN1290FF	12	90	90	21	6.6	8	1.25
TIFBDIN1295FF	SSFBDIN1295FF	12	95	95	21	6.6	8	1.25

TIFBDIN1220F	SSFBDIN1220F	12	20	20	21	6.6	8	1.5
TIFBDIN1225F	SSFBDIN1225F	12	25	25	21	6.6	8	1.5
TIFBDIN1230F	SSFBDIN1230F	12	30	30	21	6.6	8	1.5
TIFBDIN1235F	SSFBDIN1235F	12	35	35	21	6.6	8	1.5
TIFBDIN1240F	SSFBDIN1240F	12	40	40	21	6.6	8	1.5
TIFBDIN1245F	SSFBDIN1245F	12	45	45	21	6.6	8	1.5
TIFBDIN1250F	SSFBDIN1250F	12	50	50	21	6.6	8	1.5
TIFBDIN1255F	SSFBDIN1255F	12	55	55	21	6.6	8	1.5
TIFBDIN1260F	SSFBDIN1260F	12	60	60	21	6.6	8	1.5
TIFBDIN1265F	SSFBDIN1265F	12	65	65	21	6.6	8	1.5

Titanium Part No.	Stainless Part No.	Shaft Diameter	Shaft Length	Thread Length	Head Width	Head Height	Socket Width	Pitch
TIFBDIN1270F	SSFBDIN1270F	12	70	70	21	6.6	8	1.5
TIFBDIN1275F	SSFBDIN1275F	12	75	75	21	6.6	8	1.5
TIFBDIN1280F	SSFBDIN1280F	12	80	80	21	6.6	8	1.5
TIFBDIN1285F	SSFBDIN1285F	12	85	85	21	6.6	8	1.5
TIFBDIN1290F	SSFBDIN1290F	12	90	90	21	6.6	8	1.5
TIFBDIN1295F	SSFBDIN1295F	12	95	95	21	6.6	8	1.5

TIFBDIN1220	SSFBDIN1220	12	20	20	21	6.6	8	1.75
TIFBDIN1225	SSFBDIN1225	12	25	25	21	6.6	8	1.75
TIFBDIN1230	SSFBDIN1230	12	30	30	21	6.6	8	1.75
TIFBDIN1235	SSFBDIN1235	12	35	35	21	6.6	8	1.75
TIFBDIN1240	SSFBDIN1240	12	40	40	21	6.6	8	1.75
TIFBDIN1245	SSFBDIN1245	12	45	45	21	6.6	8	1.75
TIFBDIN1250	SSFBDIN1250	12	50	50	21	6.6	8	1.75
TIFBDIN1255	SSFBDIN1255	12	55	55	21	6.6	8	1.75
TIFBDIN1260	SSFBDIN1260	12	60	60	21	6.6	8	1.75
TIFBDIN1265	SSFBDIN1265	12	65	65	21	6.6	8	1.75
TIFBDIN1270	SSFBDIN1270	12	70	70	21	6.6	8	1.75
TIFBDIN1275	SSFBDIN1275	12	75	75	21	6.6	8	1.75
TIFBDIN1280	SSFBDIN1280	12	80	80	21	6.6	8	1.75
TIFBDIN1285	SSFBDIN1285	12	85	85	21	6.6	8	1.75
TIFBDIN1290	SSFBDIN1290	12	90	90	21	6.6	8	1.75
TIFBDIN1295	SSFBDIN1295	12	95	95	21	6.6	8	1.75

## DIN 6921 - Flanged Hex Heads (part threaded)

Titanium Part No.	Stainless Part No.	Shaft Diameter	Shaft Length	Thread Length	Flange Width	Head Height	Socket Width	Pitch
TIHXFLDIN510	SSHXFLDIN510	5	10	10	11.8	5.4	8	0.8
TIHXFLDIN512	SSHXFLDIN512	5	12	12	11.8	5.4	8	0.8
TIHXFLDIN515	SSHXFLDIN515	5	15	15	11.8	5.4	8	0.8
TIHXFLDIN520	SSHXFLDIN520	5	20	16	11.8	5.4	8	0.8
TIHXFLDIN525	SSHXFLDIN525	5	25	16	11.8	5.4	8	0.8
TIHXFLDIN530	SSHXFLDIN530	5	30	16	11.8	5.4	8	0.8
TIHXFLDIN535	SSHXFLDIN535	5	35	16	11.8	5.4	8	0.8
TIHXFLDIN540	SSHXFLDIN540	5	40	16	11.8	5.4	8	0.8

TIHXFLDIN610	SSHXFLDIN610	6	10	10	14.2	6.6	10	1
TIHXFLDIN612	SSHXFLDIN612	6	12	12	14.2	6.6	10	1
TIHXFLDIN615	SSHXFLDIN615	6	15	15	14.2	6.6	10	1
TIHXFLDIN620	SSHXFLDIN620	6	20	18	14.2	6.6	10	1
TIHXFLDIN625	SSHXFLDIN625	6	25	18	14.2	6.6	10	1
TIHXFLDIN630	SSHXFLDIN630	6	30	18	14.2	6.6	10	1
TIHXFLDIN635	SSHXFLDIN635	6	35	18	14.2	6.6	10	1
TIHXFLDIN640	SSHXFLDIN640	6	40	18	14.2	6.6	10	1
TIHXFLDIN645	SSHXFLDIN645	6	45	18	14.2	6.6	10	1
TIHXFLDIN650	SSHXFLDIN650	6	50	18	14.2	6.6	10	1
TIHXFLDIN655	SSHXFLDIN655	6	55	18	14.2	6.6	10	1
TIHXFLDIN660	SSHXFLDIN660	6	60	18	14.2	6.6	10	1
TIHXFLDIN665	SSHXFLDIN665	6	65	18	14.2	6.6	10	1
TIHXFLDIN670	SSHXFLDIN670	6	70	18	14.2	6.6	10	1
TIHXFLDIN675	SSHXFLDIN675	6	75	18	14.2	6.6	10	1
TIHXFLDIN680	SSHXFLDIN680	6	80	18	14.2	6.6	10	1
TIHXFLDIN685	SSHXFLDIN685	6	85	18	14.2	6.6	10	1
TIHXFLDIN690	SSHXFLDIN690	6	90	18	14.2	6.6	10	1

TIHXFLDIN815	SSHXFLDIN815	8	15	15	18	8.1	13	1.25
TIHXFLDIN820	SSHXFLDIN820	8	20	20	18	8.1	13	1.25
TIHXFLDIN825	SSHXFLDIN825	8	25	22	18	8.1	13	1.25
TIHXFLDIN830	SSHXFLDIN830	8	30	22	18	8.1	13	1.25
TIHXFLDIN835	SSHXFLDIN835	8	35	22	18	8.1	13	1.25
TIHXFLDIN840	SSHXFLDIN840	8	40	22	18	8.1	13	1.25
TIHXFLDIN845	SSHXFLDIN845	8	45	22	18	8.1	13	1.25
TIHXFLDIN850	SSHXFLDIN850	8	50	22	18	8.1	13	1.25
TIHXFLDIN855	SSHXFLDIN855	8	55	22	18	8.1	13	1.25
TIHXFLDIN860	SSHXFLDIN860	8	60	22	18	8.1	13	1.25
TIHXFLDIN865	SSHXFLDIN865	8	65	22	18	8.1	13	1.25
TIHXFLDIN870	SSHXFLDIN870	8	70	22				



# THE ISO/DIN RANGE

## DIN 6921 - Flanged Hex Heads (part threaded) continued

Titanium Part No.	Stainless Part No.	Shaft Diameter	Shaft Length	Thread Length	Flange Width	Head Height	Socket Width	Pitch
TIHXFLDIN1080F	SSHXFLDIN1080F	10	80	26	22.3	9.2	15	1.25
TIHXFLDIN1085F	SSHXFLDIN1085F	10	85	26	22.3	9.2	15	1.25
TIHXFLDIN1090F	SSHXFLDIN1090F	10	90	26	22.3	9.2	15	1.25
TIHXFLDIN1020	SSHXFLDIN1020	10	20	20	22.3	9.2	15	1.5
TIHXFLDIN1025	SSHXFLDIN1025	10	25	25	22.3	9.2	15	1.5
TIHXFLDIN1030	SSHXFLDIN1030	10	30	26	22.3	9.2	15	1.5
TIHXFLDIN1035	SSHXFLDIN1035	10	35	26	22.3	9.2	15	1.5
TIHXFLDIN1040	SSHXFLDIN1040	10	40	26	22.3	9.2	15	1.5
TIHXFLDIN1045	SSHXFLDIN1045	10	45	26	22.3	9.2	15	1.5
TIHXFLDIN1050	SSHXFLDIN1050	10	50	26	22.3	9.2	15	1.5
TIHXFLDIN1055	SSHXFLDIN1055	10	55	26	22.3	9.2	15	1.5
TIHXFLDIN1060	SSHXFLDIN1060	10	60	26	22.3	9.2	15	1.5
TIHXFLDIN1065	SSHXFLDIN1065	10	65	26	22.3	9.2	15	1.5
TIHXFLDIN1070	SSHXFLDIN1070	10	70	26	22.3	9.2	15	1.5
TIHXFLDIN1075	SSHXFLDIN1075	10	75	26	22.3	9.2	15	1.5
TIHXFLDIN1080	SSHXFLDIN1080	10	80	26	22.3	9.2	15	1.5
TIHXFLDIN1085	SSHXFLDIN1085	10	85	26	22.3	9.2	15	1.5
TIHXFLDIN1090	SSHXFLDIN1090	10	90	26	22.3	9.2	15	1.5
TIHXFLDIN1220FF	SSHXFLDIN1220FF	12	20	20	26.6	11.5	16	1.25
TIHXFLDIN1225FF	SSHXFLDIN1225FF	12	25	25	26.6	11.5	16	1.25
TIHXFLDIN1230FF	SSHXFLDIN1230FF	12	30	30	26.6	11.5	16	1.25
TIHXFLDIN1235FF	SSHXFLDIN1235FF	12	35	30	26.6	11.5	16	1.25
TIHXFLDIN1240FF	SSHXFLDIN1240FF	12	40	30	26.6	11.5	16	1.25
TIHXFLDIN1245FF	SSHXFLDIN1245FF	12	45	30	26.6	11.5	16	1.25
TIHXFLDIN1250FF	SSHXFLDIN1250FF	12	50	30	26.6	11.5	16	1.25
TIHXFLDIN1255FF	SSHXFLDIN1255FF	12	55	30	26.6	11.5	16	1.25
TIHXFLDIN1260FF	SSHXFLDIN1260FF	12	60	30	26.6	11.5	16	1.25
TIHXFLDIN1265FF	SSHXFLDIN1265FF	12	65	30	26.6	11.5	16	1.25
TIHXFLDIN1270FF	SSHXFLDIN1270FF	12	70	30	26.6	11.5	16	1.25
TIHXFLDIN1275FF	SSHXFLDIN1275FF	12	75	30	26.6	11.5	16	1.25
TIHXFLDIN1280FF	SSHXFLDIN1280FF	12	80	30	26.6	11.5	16	1.25
TIHXFLDIN1285FF	SSHXFLDIN1285FF	12	85	30	26.6	11.5	16	1.25
TIHXFLDIN1290FF	SSHXFLDIN1290FF	12	90	30	26.6	11.5	16	1.25
TIHXFLDIN1295FF	SSHXFLDIN1295FF	12	95	30	26.6	11.5	16	1.25
TIHXFLDIN1220F	SSHXFLDIN1220F	12	20	20	26.6	11.5	16	1.5
TIHXFLDIN1225F	SSHXFLDIN1225F	12	25	25	26.6	11.5	16	1.5
TIHXFLDIN1230F	SSHXFLDIN1230F	12	30	30	26.6	11.5	16	1.5
TIHXFLDIN1235F	SSHXFLDIN1235F	12	35	30	26.6	11.5	16	1.5
TIHXFLDIN1240F	SSHXFLDIN1240F	12	40	30	26.6	11.5	16	1.5
TIHXFLDIN1245F	SSHXFLDIN1245F	12	45	30	26.6	11.5	16	1.5
TIHXFLDIN1250F	SSHXFLDIN1250F	12	50	30	26.6	11.5	16	1.5
TIHXFLDIN1255F	SSHXFLDIN1255F	12	55	30	26.6	11.5	16	1.5
TIHXFLDIN1260F	SSHXFLDIN1260F	12	60	30	26.6	11.5	16	1.5
TIHXFLDIN1265F	SSHXFLDIN1265F	12	65	30	26.6	11.5	16	1.5
TIHXFLDIN1270F	SSHXFLDIN1270F	12	70	30	26.6	11.5	16	1.5
TIHXFLDIN1275F	SSHXFLDIN1275F	12	75	30	26.6	11.5	16	1.5
TIHXFLDIN1280F	SSHXFLDIN1280F	12	80	30	26.6	11.5	16	1.5
TIHXFLDIN1285F	SSHXFLDIN1285F	12	85	30	26.6	11.5	16	1.5
TIHXFLDIN1290F	SSHXFLDIN1290F	12	90	30	26.6	11.5	16	1.5
TIHXFLDIN1295F	SSHXFLDIN1295F	12	95	30	26.6	11.5	16	1.5
TIHXFLDIN1220	SSHXFLDIN1220	12	20	20	26.6	11.5	16	1.75
TIHXFLDIN1225	SSHXFLDIN1225	12	25	25	26.6	11.5	16	1.75
TIHXFLDIN1230	SSHXFLDIN1230	12	30	30	26.6	11.5	16	1.75
TIHXFLDIN1235	SSHXFLDIN1235	12	35	30	26.6	11.5	16	1.75
TIHXFLDIN1240	SSHXFLDIN1240	12	40	30	26.6	11.5	16	1.75
TIHXFLDIN1245	SSHXFLDIN1245	12	45	30	26.6	11.5	16	1.75
TIHXFLDIN1250	SSHXFLDIN1250	12	50	30	26.6	11.5	16	1.75
TIHXFLDIN1255	SSHXFLDIN1255	12	55	30	26.6	11.5	16	1.75
TIHXFLDIN1260	SSHXFLDIN1260	12	60	30	26.6	11.5	16	1.75
TIHXFLDIN1265	SSHXFLDIN1265	12	65	30	26.6	11.5	16	1.75
TIHXFLDIN1270	SSHXFLDIN1270	12	70	30	26.6	11.5	16	1.75
TIHXFLDIN1275	SSHXFLDIN1275	12	75	30	26.6	11.5	16	1.75
TIHXFLDIN1280	SSHXFLDIN1280	12	80	30	26.6	11.5	16	1.75
TIHXFLDIN1285	SSHXFLDIN1285	12	85	30	26.6	11.5	16	1.75
TIHXFLDIN1290	SSHXFLDIN1290	12	90	30	26.6	11.5	16	1.75
TIHXFLDIN1295	SSHXFLDIN1295	12	95	30	26.6	11.5	16	1.75

Titanium Part No.	Stainless Part No.	Shaft Diameter	Shaft Length	Thread Length	Head Height	Socket Width	Pitch
TIHXDIN510	SSHXDIN510	5	10	10	3.5	8	0.5
TIHXDIN512	SSHXDIN512	5	12	12	3.5	8	0.5
TIHXDIN515	SSHXDIN515	5	15	15	3.5	8	0.5
TIHXDIN520	SSHXDIN520	5	20	16	3.5	8	0.5
TIHXDIN525	SSHXDIN525	5	25	16	3.5	8	0.5
TIHXDIN530	SSHXDIN530	5	30	16	3.5	8	0.5
TIHXDIN535	SSHXDIN535	5	35	16	3.5	8	0.5
TIHXDIN540	SSHXDIN540	5	40	16	3.5	8	0.5
TIHXDIN610	SSHXDIN610	6	10	10	4	10	0.75
TIHXDIN612	SSHXDIN612	6	12	12	4	10	0.75
TIHXDIN615	SSHXDIN615	6	15	15	4	10	0.75
TIHXDIN620	SSHXDIN620	6	20	18	4	10	0.75
TIHXDIN625	SSHXDIN625	6	25	18	4	10	0.75
TIHXDIN630	SSHXDIN630	6	30	18	4	10	0.75
TIHXDIN635	SSHXDIN635	6	35	18	4	10	0.75
TIHXDIN640	SSHXDIN640	6	40	18	4	10	0.75
TIHXDIN645	SSHXDIN645	6	45	18	4	10	0.75
TIHXDIN650	SSHXDIN650	6	50	18	4	10	0.75
TIHXDIN655	SSHXDIN655	6	55	18	4	10	0.75
TIHXDIN660	SSHXDIN660	6	60	18	4	10	0.75
TIHXDIN665	SSHXDIN665	6	65	18	4	10	0.75
TIHXDIN670	SSHXDIN670	6	70	18	4	10	0.75
TIHXDIN675	SSHXDIN675	6	75	18	4	10	0.75
TIHXDIN680	SSHXDIN680	6	80	18	4	10	0.75
TIHXDIN685	SSHXDIN685	6	85	18	4	10	0.75
TIHXDIN690	SSHXDIN690	6	90	18	4	10	0.75
TIHXDIN815	SSHXDIN815	8	15	15	5.3	13	1
TIHXDIN820	SSHXDIN820	8	20	20	5.3	13	1
TIHXDIN825	SSHXDIN825	8	25	22	5.3	13	1
TIHXDIN830	SSHXDIN830	8	30	22	5.3	13	1
TIHXDIN835	SSHXDIN835	8	35	22	5.3	13	1
TIHXDIN840	SSHXDIN840	8	40	22	5.3	13	1
TIHXDIN845	SSHXDIN845	8	45	22	5.3	13	1
TIHXDIN850	SSHXDIN850	8	50	22	5.3	13	1
TIHXDIN855	SSHXDIN855	8	55	22	5.3	13	1
TIHXDIN860	SSHXDIN860	8	60	22	5.3	13	1
TIHXDIN865	SSHXDIN865	8	65	22	5.3	13	1
TIHXDIN870	SSHXDIN870	8	70	22	5.3	13	1
TIHXDIN875	SSHXDIN875	8	75	22	5.3	13	1
TIHXDIN880	SSHXDIN880	8	80	22	5.3	13	1
TIHXDIN885	SSHXDIN885	8	85	22	5.3	13	1
TIHXDIN890	SSHXDIN890	8	90	22	5.3	13	1
TIHXDIN1020F	SSHXDIN1020F	10	20	20	6.4	17	1.25
TIHXDIN1025F	SSHXDIN1025F	10	25	25	6.4	17	1.25
TIHXDIN1030F	SSHXDIN1030F	10	30	26	6.4	17	1.25
TIHXDIN1035F	SSHXDIN1035F	10	35	26	6.4	17	1.25
TIHXDIN1040F	SSHXDIN1040F	10	40	26	6.4	17	1.25
TIHXDIN1045F	SSHXDIN1045F	10	45	26	6.4	17	1.25
TIHXDIN1050F	SSHXDIN1050F	10	50	26	6.4	17	1.25
TIHXDIN1055F	SSHXDIN1055F	10	55	26	6.4	17	1.25
TIHXDIN1060F	SSHXDIN1060F	10	60	26	6.4	17	1.25
TIHXDIN1065F	SSHXDIN1065F	10	65	26	6.4	17	1.25
TIHXDIN1070F	SSHXDIN1070F	10	70	26	6.4	17	1.25
TIHXDIN1075F	SSHXDIN1075F	10	75	26	6.4	17	1.25
TIHXDIN1080F	SSHXDIN1080F	10	80	26	6.4	17	1.25
TIHXDIN1085F	SSHXDIN1085F	10	85	26	6.4	17	1.25
TIHXDIN1090F	SSHXDIN1090F	10	90	26	6.4	17	1.25
TIHXDIN1020	SSHXDIN1020	10	20	20	6.4	17	1.5
TIHXDIN1025	SSHXDIN1025	10	25	25	6.4	17	1.5
TIHXDIN1030	SSHXDIN1030	10	30	26	6.4	17	1.5
TIHXDIN1035	SSHXDIN1035	10	35	26	6.4	17	1.5
TIHXDIN1040	SSHXDIN1040	10	40	26	6.4	17	1.5
TIHXDIN1045	SSHXDIN1045	10	45	26	6.4	17	1.5
TIHXDIN1050	SSHXDIN1050	10	50	26	6.4	17	1.5
TIHXDIN1055	SSHXDIN1055	10	55	26	6.4	17	1.5
TIHXDIN1060	SSHXDIN1060	10	60	26	6.4	17	1.5
TIHXDIN1065	SSHXDIN1065	10	65	26	6.4	17	1.5
TIHXDIN1070	SSHXDIN1070	10	70	26	6.4	17	1.5
TIHXDIN1075	SSHXDIN1075	10	75	26	6.4	17	1.5
TIHXDIN1080	SSHXDIN1080	10	80	26	6.4	17	1.5
TIHXDIN1085	SSHXDIN1085	10	85	26	6.4	17	1.5
TIHXDIN1090	SSHXDIN1090	10	90	26	6.4	17	1.5

Titanium Part No.	Stainless Part No.	Shaft Diameter	Shaft Length	Thread Length	Head Height	Socket Width	Pitch
TIHXDIN1220FF	SSHXDIN1220FF	12	20	20	7.5	19	1.25
TIHXDIN1225FF	SSHXDIN1225FF	12	25	25	7.5	19	1.25
TIHXDIN1230FF	SSHXDIN1230FF	12	30	30	7.5	19	1.25
TIHXDIN1235FF	SSHXDIN1235FF	12	35	35	7.5	19	1.25
TIHXDIN1240FF	SSHXDIN1240FF	12	40	36	7.5	19	1.25
TIHXDIN1245FF	SSHXDIN1245FF	12	45	36	7.5	19	1.25
TIHXDIN1250FF	SSHXDIN1250FF	12	50	36	7.5	19	1.25
TIHXDIN1255FF	SSHXDIN1255FF	12	55	36	7.5	19	1.25
TIHXDIN1260FF	SSHXDIN1260FF	12	60	36	7.5	19	1.25
TIHXDIN1265FF	SSHXDIN1265FF	12	65	36	7.5	19	1.25
TIHXDIN1270FF	SSHXDIN1270FF	12	70	36	7.5	19	

# STAINLESS STEEL : TITANIUM

Titanium Part No.	Stainless Part No.	Shaft Diameter	Shaft Length	Thread Length	Head Height	Socket Width	Pitch
TIHXDIN1250F	SSHXDIN1250F	12	50	36	7.5	19	1.5
TIHXDIN1255F	SSHXDIN1255F	12	55	36	7.5	19	1.5
TIHXDIN1260F	SSHXDIN1260F	12	60	36	7.5	19	1.5
TIHXDIN1265F	SSHXDIN1265F	12	65	36	7.5	19	1.5
TIHXDIN1270F	SSHXDIN1270F	12	70	36	7.5	19	1.5
TIHXDIN1275F	SSHXDIN1275F	12	75	36	7.5	19	1.5
TIHXDIN1280F	SSHXDIN1280F	12	80	36	7.5	19	1.5
TIHXDIN1285F	SSHXDIN1285F	12	85	36	7.5	19	1.5
TIHXDIN1290F	SSHXDIN1290F	12	90	36	7.5	19	1.5
TIHXDIN1295F	SSHXDIN1295F	12	95	36	7.5	19	1.5
TIHXDIN1220	SSHXDIN1220	12	20	20	7.5	19	1.75
TIHXDIN1225	SSHXDIN1225	12	25	25	7.5	19	1.75
TIHXDIN1230	SSHXDIN1230	12	30	30	7.5	19	1.75
TIHXDIN1235	SSHXDIN1235	12	35	35	7.5	19	1.75
TIHXDIN1240	SSHXDIN1240	12	40	36	7.5	19	1.75
TIHXDIN1245	SSHXDIN1245	12	45	36	7.5	19	1.75
TIHXDIN1250	SSHXDIN1250	12	50	36	7.5	19	1.75
TIHXDIN1255	SSHXDIN1255	12	55	36	7.5	19	1.75
TIHXDIN1260	SSHXDIN1260	12	60	36	7.5	19	1.75
TIHXDIN1265	SSHXDIN1265	12	65	36	7.5	19	1.75
TIHXDIN1270	SSHXDIN1270	12	70	36	7.5	19	1.75
TIHXDIN1275	SSHXDIN1275	12	75	36	7.5	19	1.75
TIHXDIN1280	SSHXDIN1280	12	80	36	7.5	19	1.75
TIHXDIN1285	SSHXDIN1285	12	85	36	7.5	19	1.75
TIHXDIN1290	SSHXDIN1290	12	90	36	7.5	19	1.75
TIHXDIN1295	SSHXDIN1295	12	95	36	7.5	19	1.75

## DIN 912 - Allen Drive (part threaded)

Titanium Part No.	Stainless Part No.	Shaft Diameter	Shaft Length	Thread Length	Head Diameter	Head Height	Socket Width	Pitch
TIPBDIN310	SSPBDIN310	3	10	10	5.5	3	2.5	0.5
TIPBDIN312	SSPBDIN312	3	12	12	5.5	3	2.5	0.5
TIPBDIN315	SSPBDIN315	3	15	15	5.5	3	2.5	0.5
TIPBDIN320	SSPBDIN320	3	20	18	5.5	3	2.5	0.5
TIPBDIN325	SSPBDIN325	3	25	18	5.5	3	2.5	0.5
TIPBDIN410	SSPBDIN410	4	10	10	7	4	3	0.7
TIPBDIN412	SSPBDIN412	4	12	12	7	4	3	0.7
TIPBDIN415	SSPBDIN415	4	15	15	7	4	3	0.7
TIPBDIN420	SSPBDIN420	4	20	20	7	4	3	0.7
TIPBDIN425	SSPBDIN425	4	25	20	7	4	3	0.7
TIPBDIN430	SSPBDIN430	4	30	20	7	4	3	0.7
TIPBDIN510	SSPBDIN510	5	10	10	8.5	5	4	0.8
TIPBDIN512	SSPBDIN512	5	12	12	8.5	5	4	0.8
TIPBDIN515	SSPBDIN515	5	15	15	8.5	5	4	0.8
TIPBDIN520	SSPBDIN520	5	20	20	8.5	5	4	0.8
TIPBDIN525	SSPBDIN525	5	25	22	8.5	5	4	0.8
TIPBDIN530	SSPBDIN530	5	30	22	8.5	5	4	0.8
TIPBDIN535	SSPBDIN535	5	35	22	8.5	5	4	0.8
TIPBDIN540	SSPBDIN540	5	40	22	8.5	5	4	0.8
TIPBDIN610	SSPBDIN610	6	10	10	10	6	5	1
TIPBDIN612	SSPBDIN612	6	12	12	10	6	5	1
TIPBDIN615	SSPBDIN615	6	15	15	10	6	5	1
TIPBDIN620	SSPBDIN620	6	20	20	10	6	5	1
TIPBDIN625	SSPBDIN625	6	25	24	10	6	5	1
TIPBDIN630	SSPBDIN630	6	30	24	10	6	5	1
TIPBDIN635	SSPBDIN635	6	35	24	10	6	5	1
TIPBDIN640	SSPBDIN640	6	40	24	10	6	5	1
TIPBDIN645	SSPBDIN645	6	45	24	10	6	5	1
TIPBDIN650	SSPBDIN650	6	50	24	10	6	5	1
TIPBDIN655	SSPBDIN655	6	55	24	10	6	5	1
TIPBDIN660	SSPBDIN660	6	60	24	10	6	5	1
TIPBDIN665	SSPBDIN665	6	65	24	10	6	5	1
TIPBDIN670	SSPBDIN670	6	70	24	10	6	5	1
TIPBDIN675	SSPBDIN675	6	75	24	10	6	5	1
TIPBDIN680	SSPBDIN680	6	80	24	10	6	5	1
TIPBDIN685	SSPBDIN685	6	85	24	10	6	5	1
TIPBDIN690	SSPBDIN690	6	90	24	10	6	5	1
TIPBDIN815	SSPBDIN815	8	15	15	13	8	6	1.25
TIPBDIN820	SSPBDIN820	8	20	20	13	8	6	1.25
TIPBDIN825	SSPBDIN825	8	25	25	13	8	6	1.25
TIPBDIN830	SSPBDIN830	8	30	28	13	8	6	1.25
TIPBDIN835	SSPBDIN835	8	35	28	13	8	6	1.25
TIPBDIN840	SSPBDIN840	8	40	28	13	8	6	1.25
TIPBDIN845	SSPBDIN845	8	45	28	13	8	6	1.25
TIPBDIN850	SSPBDIN850	8	50	28	13	8	6	1.25
TIPBDIN855	SSPBDIN855	8	55	28	13	8	6	1.25
TIPBDIN860	SSPBDIN860	8	60	28	13	8	6	1.25
TIPBDIN865	SSPBDIN865	8	65	28	13	8	6	1.25
TIPBDIN870	SSPBDIN870	8	70	28	13	8	6	1.25
TIPBDIN875	SSPBDIN875	8	75	28	13	8	6	1.25

Titanium Part No.	Stainless Part No.	Shaft Diameter	Shaft Length	Thread Length	Head Diameter	Head Height	Socket Width	Pitch
TIPBDIN880	SSPBDIN880	8	80	28	13	8	6	1.25
TIPBDIN885	SSPBDIN885	8	85	28	13	8	6	1.25
TIPBDIN890	SSPBDIN890	8	90	28	13	8	6	1.25
TIPBDIN1020F	SSPBDIN1020F	10	20	20	16	10	8	1.25
TIPBDIN1025F	SSPBDIN1025F	10	25	25	16	10	8	1.25
TIPBDIN1030F	SSPBDIN1030F	10	30	30	16	10	8	1.25
TIPBDIN1035F	SSPBDIN1035F	10	35	32	16	10	8	1.25
TIPBDIN1040F	SSPBDIN1040F	10	40	32	16	10	8	1.25
TIPBDIN1045F	SSPBDIN1045F	10	45	32	16	10	8	1.25
TIPBDIN1050F	SSPBDIN1050F	10	50	32	16	10	8	1.25
TIPBDIN1055F	SSPBDIN1055F	10	55	32	16	10	8	1.25
TIPBDIN1060F	SSPBDIN1060F	10	60	32	16	10	8	1.25
TIPBDIN1065F	SSPBDIN1065F	10	65	32	16	10	8	1.25
TIPBDIN1070F	SSPBDIN1070F	10	70	32	16	10	8	1.25
TIPBDIN1075F	SSPBDIN1075F	10	75	32	16	10	8	1.25
TIPBDIN1080F	SSPBDIN1080F	10	80	32	16	10	8	1.25
TIPBDIN1085F	SSPBDIN1085F	10	85	32	16	10	8	1.25
TIPBDIN1090F	SSPBDIN1090F	10	90	32	16	10	8	1.25
TIPBDIN1020	SSPBDIN1020	10	20	20	16	10	8	1.5
TIPBDIN1025	SSPBDIN1025	10	25	25	16	10	8	1.5
TIPBDIN1030	SSPBDIN1030	10	30	30	16	10	8	1.5
TIPBDIN1035	SSPBDIN1035	10	35	32	16	10	8	1.5
TIPBDIN1040	SSPBDIN1040	10	40	32	16	10	8	1.5
TIPBDIN1045	SSPBDIN1045	10	45	32	16	10	8	1.5
TIPBDIN1050	SSPBDIN1050	10	50	32	16	10	8	1.5
TIPBDIN1055	SSPBDIN1055	10	55	32	16	10	8	1.5
TIPBDIN1060	SSPBDIN1060	10	60	32	16	10	8	1.5
TIPBDIN1065	SSPBDIN1065	10	65	32	16	10	8	1.5
TIPBDIN1070	SSPBDIN1070	10	70	32	16	10	8	1.5
TIPBDIN1075	SSPBDIN1075	10	75	32	16	10	8	1.5
TIPBDIN1080	SSPBDIN1080	10	80	32	16	10	8	1.5
TIPBDIN1085	SSPBDIN1085	10	85	32	16	10	8	1.5
TIPBDIN1090	SSPBDIN1090	10	90	32	16	10	8	1.5
TIPBDIN1220FF	SSPBDIN1220FF	12	20	20	18	12	10	1.25
TIPBDIN1225FF	SSPBDIN1225FF	12	25	25	18	12	10	1.25
TIPBDIN1230FF	SSPBDIN1230FF	12	30	30	18	12	10	1.25
TIPBDIN1235FF	SSPBDIN1235FF	12	35	35	18	12	10	1.25
TIPBDIN1240FF	SSPBDIN1240FF	12	40	36	18	12	10	1.25
TIPBDIN1245FF	SSPBDIN1245FF	12	45	36	18	12	10	1.25
TIPBDIN1250FF	SSPBDIN1250FF	12	50	36	18	12	10	1.25
TIPBDIN1255FF	SSPBDIN1255FF	12	55	36	18	12	10	1.25
TIPBDIN1260FF	SSPBDIN1260FF	12	60	36	18	12	10	1.25
TIPBDIN1265FF	SSPBDIN1265FF	12	65	36	18	12	10	1.25
TIPBDIN1270FF	SSPBDIN1270FF	12	70	36	18	12	10	1.25
TIPBDIN1275FF	SSPBDIN1275FF	12	75	36	18	12	10	1.25
TIPBDIN1280FF	SSPBDIN1280FF	12	80	36	18	12	10	1.25
TIPBDIN1285FF	SSPBDIN1285FF	12	85	36	18	12	10	1.25
TIPBDIN1290FF	SSPBDIN1290FF	12	90	36	18	12	10	1.25
TIPBDIN1295FF	SSPBDIN1295FF	12	95	36	18	12	10	1.25
TIPBDIN1220F	SSPBDIN1220F	12	20	20	18	12	10	1.5
TIPBDIN1225F	SSPBDIN1225F	12	25	25	18	12	10	1.5
TIPBDIN1230F	SSPBDIN1230F	12	30	30	18	12	10	1.5
TIPBDIN1235F	SSPBDIN1235F	12	35	35	18	12	10	1.5
TIPBDIN1240F	SSPBDIN1240F	12	40	36	18	12	10	1.5
TIPBDIN1245F	SSPBDIN1245F	12	45	36	18	12	10	1.5
TIPBDIN1250F	SSPBDIN1250F	12	50	36	18	12	10	1.5
TIPBDIN1255F	SSPBDIN1255F	12	55	36	18	12	10	1.5
TIPBDIN1260F	SSPBDIN1260F	12	60	36	18	12	10	1.5
TIPBDIN1265F	SSPBDIN1265F	12	65	36	18	12	10	1.5
TIPBDIN1270F	SSPBDIN1270F	12	70	36	18	12	10	1.5
TIPBDIN1275F	SSPBDIN1275F	12	75	36	18	12	10	1.5
TIPBDIN1280F	SSPBDIN1280F	12	80	36	18	12	10	1.5
TIPBDIN1285F	SSPBDIN1285F	12	85	36	18	12	10	1.5
TIPBDIN1290F	SSPBDIN1290F	12	90	36	18	12	10	1.5
TIPBDIN1295F	SSPBDIN1295F	12	95	36	18	12	10	1.5
TIPBDIN1220	SSPBDIN1220	12	20	20	18	12	10	1.75
TIPBDIN1225	SSPBDIN1225	12	25	25	18	12	10	1.75
TIPBDIN1230	SSPBDIN1230	12	30	30	18	12	10	1.75
TIPBDIN1235	SSPBDIN1235	12	35	35	18	12	10	1.75
TIPBDIN1240	SSPBDIN1240	12	40	36	18	12	10	1.75
TIPBDIN1245	SSPBDIN1245	12	45	36	18	12	10	1.75
TIPBDIN1250	SSPBDIN1250	12	50	36	18	12	10	1.75
TIPBDIN1255	SSPBDIN1255	12	55	36	18	12	10	1.75
TIPBDIN1260	SSPBDIN1260	12	60	36	18	12	10	1.75
TIPBDIN1265	SSPBDIN1265	12	65	36	18	12	10	1.75
TIPBDIN1270	SSPBDIN1270	12	70	36	18	12		



**BOLTS**

**ALUMINIUM**

**Standard Allen Key Socket Cap Bolts**

**M3 Thread Diameter (2.5mm Allen Key)**

Part Number	Thread & Pitch	Length
LPB308	M3 x 0.5mm	8mm
LPB310	M3 x 0.5mm	10mm
LPB330	M3 x 0.5mm	30mm
LPB335	M3 x 0.5mm	35mm

**M4 Thread Diameter (3mm Allen Key)**

Part Number	Thread & Pitch	Length
LPB410	M4 x 0.7mm	10mm
LPB420	M4 x 0.7mm	20mm
LPB430	M4 x 0.7mm	30mm
LPB435	M4 x 0.7mm	35mm

**M5 Thread Diameter (4mm Allen Key)**

Part Number	Thread & Pitch	Length
LPB508	M5 x 0.8mm	8mm
LPB510	M5 x 0.8mm	10mm
LPB512	M5 x 0.8mm	12mm
LPB516	M5 x 0.8mm	16mm
LPB520	M5 x 0.8mm	20mm
LPB525	M5 x 0.8mm	25mm
LPB530	M5 x 0.8mm	30mm
LPB540	M5 x 0.8mm	40mm
LPB545	M5 x 0.8mm	45mm

**M6 Thread Diameter (5mm Allen Key)**

Part Number	Thread & Pitch	Length
LPB610	M6 x 1.00mm	10mm
LPB612	M6 x 1.00mm	12mm
LPB616	M6 x 1.00mm	16mm
LPB620	M6 x 1.00mm	20mm
LPB625	M6 x 1.00mm	25mm
LPB630	M6 x 1.00mm	30mm
LPB635	M6 x 1.00mm	35mm
LPB640	M6 x 1.00mm	40mm
LPB645	M6 x 1.00mm	45mm
LPB650	M6 x 1.00mm	50mm
LPB655	M6 x 1.00mm	55mm
LPB660	M6 x 1.00mm	60mm
LPB665	M6 x 1.00mm	65mm
LPB670	M6 x 1.00mm	70mm
LPB675	M6 x 1.00mm	75mm
LPB680	M6 x 1.00mm	80mm
LPB685	M6 x 1.00mm	85mm
LPB690	M6 x 1.00mm	90mm
LPB695	M6 x 1.00mm	95mm
LPB6100	M6 x 1.00mm	100mm

All length measurements, apart from countersunk bolts, are taken from below the head

**M8 Thread Diameter (6mm Allen Key)**

Part Number	Thread & Pitch	Length
LPB812	M8 x 1.25mm	12mm
LPB820	M8 x 1.25mm	20mm
LPB825	M8 x 1.25mm	25mm
LPB830	M8 x 1.25mm	30mm
LPB835	M8 x 1.25mm	35mm
LPB840	M8 x 1.25mm	40mm
LPB860	M8 x 1.25mm	60mm

**Countersunk Bolts**

(Length measured includes the head)

Part Number	Thread & Pitch	Length	Allen Key Size
LCS415	M4 x 0.7mm	15mm	2.5
LCS420	M4 x 0.7mm	20mm	2.5
LCS445	M4 x 0.7mm	45mm	2.5
LCS450	M4 x 0.7mm	50mm	2.5
LCS520	M5 x 0.8mm	20mm	3
LCS530	M5 x 0.8mm	30mm	3
LCS535	M5 x 0.8mm	35mm	3
LCS615	M6 x 1.00mm	15mm	4
LCS625	M6 x 1.00mm	25mm	4
LCS635	M6 x 1.00mm	35mm	4
LCS820	M8 x 1.25mm	20mm	6
LCS840	M8 x 1.25mm	40mm	6

**Dome Head/Fairing Bolts**

Part Number	Thread & Pitch	Length	Allen Key Size
LFB412F	M4 x 0.5mm (8mm head)	12mm	2.5
LFB412	M4 x 0.7mm (8mm head)	12mm	2.5
LFB425	M4 x 0.7mm (8mm head)	25mm	2.5
LFB512	M5 x 0.8mm (12mm head)	12mm	3
LFB516	M5 x 0.8mm (12mm head)	16mm	3
LFB516XL	M5 x 0.8mm (16mm head)	16mm	3
LFB520	M5 x 0.8mm (12mm head)	20mm	3
LFB525	M5 x 0.8mm (12mm head)	25mm	3
LFB610	M6 x 1.00mm (16mm head)	10mm	4
LFB616	M6 x 1.00mm (16mm head)	16mm	4
LFB620	M6 x 1.00mm (16mm head)	20mm	4
LFB620XS	M6 x 1.00mm (12mm head)	20mm	4
LFB625	M6 x 1.00mm (16mm head)	25mm	4
LFB630	M6 x 1.00mm (16mm head)	30mm	4
LFB630XS	M6 x 1.00mm (12mm head)	30mm	4
LFB635	M6 x 1.00mm (16mm head)	35mm	4
LFB640	M6 x 1.00mm (16mm head)	40mm	4
LFB825	M8 x 1.25mm (16mm head)	25mm	4
LFB840	M8 x 1.25mm (16mm head)	40mm	4
LFB1025F	M10 x 1.25mm (17.5mm head)	25mm	6
LFB1045F	M10 x 1.25mm (17.5mm head)	45mm	6

**Honda Special Fuel Cap Bolts**

Part Number	Thread & Pitch	Length
LH465	M4 x 0.7mm (10mm head diameter)	6.5mm
LH420	M4 x 0.7mm (10mm head diameter)	20mm



## RACE SPEC BOLTS

ALUMINIUM

## Race-Spec Hex Head Bolts

New Bolt Range in 7075 Aluminium, machined with Rolled Threads for superior strength. Widely used by racers, enthusiasts and those who like attention to detail. The heads are pre-drilled on the flats for ease of lockwiring and etched with the Pro-Bolt name. Outstanding 62% weight saving over equivalent sized steel bolts.

Part Number	Thread/ Pitch	Length	Thread Length	Flange Diameter	Socket Size
LHX510R	M5 x 0.8mm	10mm	10mm	10mm	7mm
LHX512R	M5 x 0.8mm	12mm	12mm	10mm	7mm
LHX516R	M5 x 0.8mm	16mm	16mm	10mm	7mm
LHX520R	M5 x 0.8mm	20mm	20mm	10mm	7mm
LHX525R	M5 x 0.8mm	25mm	25mm	10mm	7mm
LHX530R	M5 x 0.8mm	30mm	25mm	10mm	7mm
LHX535R	M5 x 0.8mm	35mm	25mm	10mm	7mm
LHX610R	M6 x 1.00mm	10mm	10mm	12mm	8mm
LHX612R	M6 x 1.00mm	12mm	12mm	12mm	8mm
LHX615R	M6 x 1.00mm	15mm	15mm	12mm	8mm
LHX620R	M6 x 1.00mm	20mm	20mm	12mm	8mm
LHX625R	M6 x 1.00mm	25mm	25mm	12mm	8mm
LHX630R	M6 x 1.00mm	30mm	30mm	12mm	8mm
LHX635R	M6 x 1.00mm	35mm	25mm	12mm	8mm
LHX640R	M6 x 1.00mm	40mm	25mm	12mm	8mm
LHX645R	M6 x 1.00mm	45mm	25mm	12mm	8mm
LHX650R	M6 x 1.00mm	50mm	25mm	12mm	8mm
LHX655R	M6 x 1.00mm	55mm	25mm	12mm	8mm
LHX660R	M6 x 1.00mm	60mm	25mm	12mm	8mm
LHX665R	M6 x 1.00mm	65mm	25mm	12mm	8mm
LHX670R	M6 x 1.00mm	70mm	25mm	12mm	8mm
LHX675R	M6 x 1.00mm	75mm	25mm	12mm	8mm
LHX680R	M6 x 1.00mm	80mm	25mm	12mm	8mm
LHX685R	M6 x 1.00mm	85mm	25mm	12mm	8mm
LHX810R	M8 x 1.25mm	20mm	20mm	15mm	10mm
LHX815R	M8 x 1.25mm	20mm	20mm	15mm	10mm
LHX820R	M8 x 1.25mm	20mm	20mm	15mm	10mm
LHX825R	M8 x 1.25mm	25mm	25mm	15mm	10mm
LHX830R	M8 x 1.25mm	30mm	30mm	15mm	10mm
LHX835R	M8 x 1.25mm	35mm	25mm	15mm	10mm
LHX840R	M8 x 1.25mm	40mm	25mm	15mm	10mm
LHX845R	M8 x 1.25mm	45mm	25mm	15mm	10mm
LHX1025FR	M10 x 1.25mm	25mm	25mm	17mm	12mm
LHX1030FR	M10 x 1.25mm	30mm	30mm	17mm	12mm
LHX1035FR	M10 x 1.25mm	35mm	30mm	17mm	12mm
LHX1040FR	M10 x 1.25mm	40mm	25mm	17mm	12mm
LHX1045FR	M10 x 1.25mm	45mm	25mm	17mm	12mm
LHX1050FR	M10 x 1.25mm	50mm	25mm	17mm	12mm
LHX1055FR	M10 x 1.25mm	45mm	25mm	17mm	12mm
LHX1060FR	M10 x 1.25mm	60mm	25mm	17mm	12mm
LHX1065FR	M10 x 1.25mm	65mm	25mm	17mm	12mm
LHX1070FR	M10 x 1.25mm	70mm	25mm	17mm	12mm

## Race Spec Body Bolts

New Bodywork Bolt Range in 7075 Aluminium machined with Rolled Threads for superior strength. Perfect for plastics/bodywork where the large diameter will prevent bolts 'pulling through' bodywork. The external hex drive on the head offers enhanced strength. The heads are pre-drilled on the flats for ease of lockwiring. Outstanding 62% weight saving over equivalent sized steel bolts.

Part Number	Thread/ Pitch	Length	Thread Length	Flange Diameter	Socket Size
LBWHX512R	M5 x 0.8mm	12mm	12mm	16mm	7mm
LBWHX516R	M5 x 0.8mm	16mm	16mm	16mm	7mm
LBWHX525R	M5 x 0.8mm	25mm	25mm	16mm	7mm
LBWHX612R	M6 x 1.00mm	12mm	12mm	16mm	8mm
LBWHX616R	M6 x 1.00mm	16mm	16mm	16mm	8mm
LBWHX620R	M6 x 1.00mm	20mm	20mm	16mm	8mm
LBWHX625R	M6 x 1.00mm	25mm	25mm	16mm	8mm
LBWHX630R	M6 x 1.00mm	30mm	30mm	16mm	8mm
LBWHX825R	M8 x 1.25mm	25mm	25mm	16mm	10mm



## NUTS

**ALUMINIUM**

### Full Nuts

Part Number	Thread & Pitch	Socket Size
LFN4	M4 x 0.7mm	7mm
LFN5	M5 x 0.8mm	8mm
LFN6	M6 x 1.00mm	10mm
LFN6LH (Left Hand Thread)	M6 x 1.00mm	10mm
LFN8	M8 x 1.25mm	13mm

### Nyloc Nuts

Part Number	Thread & Pitch	Socket Size
LNYN3	M3 x 0.7mm	5.5mm
LNYN4	M4 x 0.7mm	7mm
LNYN5	M5 x 0.8mm	8mm
LNYN6	M6 x 1.00mm	10mm
LNYN8	M8 x 1.25mm	13mm
LNYN10	M10 x 1.50mm	17mm
LNYN10F	M10x 1.25mm	13mm

### Dome Nuts

Part Number	Thread & Pitch	Socket Size	Height
LDOMENUT4	M4 x 0.7mm	7mm	8mm
LDOMENUT5	M5 x 0.8mm	8mm	10mm
LDOMENUT6	M6 x 1.00mm	10mm	12mm
LDOMENUT8	M8 x 1.25mm	13mm	15mm
LDOMENUT10F	M10 x 1.25mm	17mm	18mm
LDOMENUT10	M10 x 1.50mm	17mm	18mm

## WASHERS

### Flat Washers

Part Number	Inside Diameter	Outside Diameter	Thickness
LWA3	M3	7mm o/d	0.55mm
LWA4	M4	9mm o/d	0.80mm
LWA5	M5	10mm o/d	0.90mm
LWA6	M6	12mm o/d	1.40mm
LWA6-18	M6	18mm o/d	1.40mm
LWA8	M8	16mm o/d	1.50mm
LWA8-20	M8	20mm o/d	1.60mm
LWA10	M10	20mm o/d	1.77mm

### Drilled Washers

Part Number	Inside Diameter	Outside Diameter	Thickness
LWAD5	M5	10mm	1.30mm
LWAD6	M6	12mm	1.50mm
LWAD6-23	M6	23mm	1.50mm
LWAD8	M8	16mm	1.90mm
LWAD10	M10	20mm	2.80mm
LWAD12	M12	25mm	3.40mm

### Countersunk Bodywork Washers

Part Number	Inside Diameter	Outside Diameter	Thickness
LWAC5	M5	13mm o/d	3.20mm
LWAC6-19	M6	19mm o/d	3.40mm
LWAC6-22	M6	22mm o/d	3.40mm
LWAC8	M8	25mm o/d	5.00mm

### Flared Washers

Manufactured to be fitted with a standard socket cap bolt

Part Number	Inside Diameter	Outside Diameter	Thickness
LWAPB625	M6	25mm o/d	7.00mm
LWAPB826	M8	26mm o/d	10.00mm



# BOLTS

**STAINLESS**

## Tapered Socket Cap

Part Number	Thread Diameter/Pitch	Allen Key Drive	Max Head Diameter	Lengths Available
LSSSC5**	M5 x 0.8mm	4mm	7.9mm	10mm, 12mm, 15mm, 20mm, 25mm, 30mm
LSSSC6**	M6 x 1.00mm	5mm	9.9mm	10mm, 12mm, 15mm, 20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm, 65mm, 70mm, 75mm, 80mm, 85mm, 90mm, 95mm
LSSSC8**	M8 x 1.25mm	6mm	12.4mm	15mm, 20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm, 65mm, 70mm, 75mm,
LSSSC10**	M10 x 1.50mm	8mm	15.8mm	20mm, 25mm
LSSSC10**F	M10 x 1.25mm	8mm	15.8mm	20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm, 65mm, 70mm, 75mm, 80mm, 85mm

## Flanged Hex Head

Part Number	Thread Diameter/Pitch	Socket Size	Max Head Diameter	Lengths Available
LSSHX5**	M5 x 0.8mm	7mm	9.9mm	10mm, 12mm, 15mm, 20mm, 25mm, 30mm, 35mm
LSSHX6**	M6 x 1.00mm	8mm	11.9mm	10mm, 12mm, 15mm, 20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm, 65mm, 70mm, 75mm, 80mm, 85mm, 90mm
LSSHX8**	M8 x 1.25mm	12mm	15.8mm	15mm, 20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm, 65mm, 70mm, 75mm
LSSHX10** F	M10 x 1.25mm	13mm	17.8mm	20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 52mm, 55mm, 57mm, 60mm, 65mm, 70mm, 75mm, 80mm, 128mm

## Countersunk Bolts

(Length measured includes the head)

Part Number	Thread Diameter/Pitch	Allen Key Drive	Max Head Diameter	Lengths Available
LSSCS5**	M5 x 0.8mm	3mm	10.0mm	13mm, 15mm, 20mm, 25mm, 30mm
LSSCS6**	M6 x 1.00mm	4mm	12.0mm	15mm, 25mm, 30mm, 35mm, 40mm, 60mm
LSSCS8**	M8 x 1.25mm	5mm	15.7mm	30mm, 40mm
LSSCS12	M12 x 1.50mm	8mm	24.0mm	65mm

## Race Spec Flanged Hex Head Bolts

Part Number	Thread Diameter/Pitch	Socket Size	Max Head Diameter	Lengths Available
LSSHX5**R	M5 x 0.8mm	7mm	10.0mm	10mm
LSSHX6**R	M6 x 1.00mm	8mm	12.0mm	10mm, 12mm, 15mm, 20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm
LSSHX8**R	M8 x 1.25mm	12mm	16.0mm	30mm, 55mm, 60mm, 65mm, 70mm, 75mm
LSSHX10**R	M10 x 1.25mm	13mm	17.0mm	30mm, 60mm, 65mm, 70mm, 75mm



# BOLTS

**STAINLESS**

## Parallel Head Bolts

Part Number	Thread Diameter/Pitch	Allen key size	Max Head Diameter	Lengths Available
LSSPB5**	M5 x 0.8mm	4mm	8.0mm	8mm, 10mm, 12mm, 16mm, 20mm, 25mm, 30mm
LSSPB6**	M6 x 1.00mm	5mm	10.0mm	10mm, 12mm, 16mm, 20mm
LSSPB8**	M8 x 1.25mm	6mm	12.5mm	40mm, 45mm
LSSPB10**	M10 x 1.25mm	8mm	25mm	60mm

All length measurements are taken from below the head

## Spike Head Bolts

Part Number	Thread Diameter/Pitch	Socket size	Max Head Diameter	Lengths Available
LSSSK6**	M6 x 1.00mm	6mm	10.0mm	10mm, 12mm, 15mm, 20mm, 25mm, 27mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm, 65mm, 70mm, 75mm, 80mm, 85mm, 90mm

## Dome Head/Fairing Bolts

Part Number	Thread Diameter/Pitch	Allen Key Drive	Max Head Diameter	Lengths Available
LSSF412F	M4 (0.50)	2.5mm	8mm	12mm
LSSFB5**	M5 (0.8)	4mm	12mm	12mm, 16mm, 20mm, 25mm
LSSFB516XL	M5 (0.8)	4mm	16mm	16mm
LSSFB6**	M6 (1.00)	5mm	16mm	10mm, 16mm, 20mm, 25mm, 30mm, 35mm, 40mm
LSSFB6**XS	M6 (1.00)	5mm	12mm	16mm, 20mm, 30mm
LSSFB8**	M8 (1.25)	5mm	16mm	20mm, 25mm, 30mm, 35mm, 40mm
LSSFB10**F	M10 (1.25)	6mm	18mm	25mm, 30mm, 35mm



# NUTS & WASHERS

**STAINLESS**

## Flanged Nuts

Part Number	Thread/Pitch	Socket Size
LSSFLN5	M5 x 0.8mm	8mm
LSSFLN6	M6 x 1.00mm	10mm
LSSFLN8	M8 x 1.25mm	12mm
LSSFLN10	M10 x 1.50mm	14mm
LSSFLN10F	M10 x 1.25mm	14mm
LSSFLN10FF	M10 x 1.00mm	14mm
LSSFLN12F	M12 x 1.50mm	15mm
LSSFLN12FF	M12 x 1.25mm	15mm

## Dome Nuts

Part Number	Thread/Pitch	Socket Size
LSSDOMENUT6	M6 x 1.00mm	10mm
LSSDOMENUT8	M8 x 1.25mm	13mm
LSSDOMENUT10F	M10 x 1.25mm	17mm

## Flat Washers

Part Number	Inside Diameter	Outside Diameter	Thickness
LSSWA6	6mm	12mm o/d	1.6mm
LSSWA6-15	6mm	15mm o/d	1.6mm
LSSWA8	8mm	16mm o/d	1.6mm
LSSWA10	10mm	20mm o/d	1.6mm

## Countersunk Washers

Part Number	Size	Outside Diameter	Thickness
LSSWAC5-15	M5	15mm	4mm
LSSWAC6-19	M6	19mm	4.5mm
LSSWAC6-22	M6	22mm	4.5mm
LSSWAC8-25	M8	25mm	5.5mm



# RACE SPEC BOLTS

**TITANIUM**

## Race Spec Hex Head Bolts

Part Number	Diameter & Thread	Length	Thread Length	Head Diameter	Socket Size
TIHX510R	M5 x 0.8mm	10mm	10mm	10mm	7mm
TIHX512R	M5 x 0.8mm	12mm	12mm	10mm	7mm
TIHX516R	M5 x 0.8mm	16mm	16mm	10mm	7mm
TIHX520R	M5 x 0.8mm	20mm	20mm	10mm	7mm
TIHX525R	M5 x 0.8mm	25mm	25mm	10mm	7mm
TIHX610R	M6 x 1.00mm	10mm	10mm	11mm	8mm
TIHX612R	M6 x 1.00mm	12mm	12mm	11mm	8mm
TIHX614R	M6 x 1.00mm	14mm	14mm	11mm	8mm
TIHX616R	M6 x 1.00mm	16mm	16mm	11mm	8mm
TIHX618R	M6 x 1.00mm	18mm	18mm	11mm	8mm
TIHX620R	M6 x 1.00mm	20mm	20mm	11mm	8mm
TIHX622R	M6 x 1.00mm	22mm	22mm	11mm	8mm
TIHX625R	M6 x 1.00mm	25mm	25mm	11mm	8mm
TIHX628R	M6 x 1.00mm	28mm	28mm	11mm	8mm
TIHX630R	M6 x 1.00mm	30mm	30mm	11mm	8mm
TIHX632R	M6 x 1.00mm	32mm	32mm	11mm	8mm
TIHX635R	M6 x 1.00mm	35mm	25mm	11mm	8mm
TIHX640R	M6 x 1.00mm	40mm	25mm	11mm	8mm
TIHX645R	M6 x 1.00mm	45mm	25mm	11mm	8mm
TIHX650R	M6 x 1.00mm	50mm	25mm	11mm	8mm
TIHX655R	M6 x 1.00mm	55mm	25mm	11mm	8mm
TIHX660R	M6 x 1.00mm	60mm	25mm	11mm	8mm
TIHX665R	M6 x 1.00mm	65mm	25mm	11mm	8mm
TIHX670R	M6 x 1.00mm	70mm	25mm	11mm	8mm
TIHX675R	M6 x 1.00mm	75mm	25mm	11mm	8mm
TIHX680R	M6 x 1.00mm	80mm	25mm	11mm	8mm
TIHX685R	M6 x 1.00mm	85mm	25mm	11mm	8mm
TIHX690R	M6 x 1.00mm	90mm	25mm	11mm	8mm
TIHX720R	M7 x 1.00mm	20mm	20mm	11mm	8mm
TIHX740R	M7 x 1.00mm	40mm	20mm	11mm	8mm
TIHX750R	M7 x 1.00mm	50mm	20mm	11mm	8mm
TIHX760R	M7 x 1.00mm	60mm	20mm	11mm	8mm
TIHX780R	M7 x 1.00mm	80mm	20mm	11mm	8mm
TIHX815R	M8 x 1.25mm	15mm	15mm	15mm	10mm
TIHX820R	M8 x 1.25mm	20mm	20mm	15mm	10mm
TIHX825R	M8 x 1.25mm	25mm	25mm	15mm	10mm
TIHX828R	M8 x 1.25mm	28mm	28mm	15mm	10mm
TIHX830R	M8 x 1.25mm	30mm	30mm	15mm	10mm

Our Race Spec bolts are designed for professionals, enthusiasts and those who like attention to detail. Weight is saved by reducing the socket size/head diameter and machining out the head – on average they weigh 45% less than steel equivalents with no compromise in strength or durability – and they can give a two kilo weight saving on an average motorcycle.



Developed at the cutting edge of competition, these bolts are widely used by top international Race Teams.

Supplied 'off the machine with no polishing' – gives the factory look.



All length measurements are taken from below the head

TIHX832R	M8 x 1.25mm	32mm	30mm	15mm	10mm
TIHX835R	M8 x 1.25mm	35mm	25mm	15mm	10mm
TIHX840R	M8 x 1.25mm	40mm	25mm	15mm	10mm
TIHX845R	M8 x 1.25mm	45mm	25mm	15mm	10mm
TIHX850R	M8 x 1.25mm	50mm	25mm	15mm	10mm
TIHX855R	M8 x 1.25mm	55mm	25mm	15mm	10mm
TIHX860R	M8 x 1.25mm	60mm	25mm	15mm	10mm
TIHX865R	M8 x 1.25mm	65mm	25mm	15mm	10mm
TIHX870R	M8 x 1.25mm	70mm	25mm	15mm	10mm
TIHX880R	M8 x 1.25mm	80mm	25mm	15mm	10mm
TIHX885R	M8 x 1.25mm	85mm	25mm	15mm	10mm
TIHX1020FR	M10 x 1.25mm	20mm	20mm	17mm	12mm
TIHX1025FR	M10 x 1.25mm	25mm	25mm	17mm	12mm
TIHX1030FR	M10 x 1.25mm	30mm	30mm	17mm	12mm
TIHX1035FR	M10 x 1.25mm	35mm	25mm	17mm	12mm
TIHX1040FR	M10 x 1.25mm	40mm	25mm	17mm	12mm
TIHX1045FR	M10 x 1.25mm	45mm	25mm	17mm	12mm
TIHX1050FR	M10 x 1.25mm	50mm	25mm	17mm	12mm
TIHX1055FR	M10 x 1.25mm	55mm	25mm	17mm	12mm
TIHX1057FR	M10 x 1.25mm	57mm	25mm	17mm	12mm
TIHX1060FR	M10 x 1.25mm	60mm	25mm	17mm	12mm
TIHX1065FR	M10 x 1.25mm	65mm	25mm	17mm	12mm
TIHX1070FR	M10 x 1.25mm	70mm	25mm	17mm	12mm
TIHX1075FR	M10 x 1.25mm	75mm	25mm	17mm	12mm
TIHX1080FR	M10 x 1.25mm	80mm	25mm	17mm	12mm



# BOLTS

**TITANIUM**

## Tapered Socket Cap

Part Number	Thread & Pitch	Allen Key Drive	Max Head Diameter	Lengths Available
TISC3**	M3 x 0.50mm	2.5mm	5.4mm	12mm, 15mm, 18mm, 35mm
TISC4**	M4 x 0.70mm	3mm	6.9mm	10mm, 12mm, 15mm, 20mm, 25mm, 35mm
TISC5**	M5 x 0.80mm	4mm	7.9mm	10mm, 12mm, 15mm, 20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 70mm
TISC6**	M6 x 1.00mm	5mm	9.9mm	10mm, 12mm, 15mm, 20mm, 22mm, 25mm, 28mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm, 65mm, 70mm, 75mm, 80mm, 85mm, 90mm, 95mm, 100mm
TISC720	M7 x 1.00mm	5mm	9.9mm	20mm
TISC8**	M8 x 1.25mm	6mm	12.5mm	15mm, 20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm, 65mm, 70mm, 75mm, 80mm, 85mm
TISC10**	M10 x 1.50mm	8mm	15.8mm	20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 70mm, 75mm, 80mm
TISC10**F	M10 x 1.25mm	8mm	15.8mm	20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm, 65mm, 70mm, 75mm, 80mm, 85mm

\*\* Denotes length to be selected  
All length measurements are taken from below the head



## Flanged Hex Head

Part Number	Thread & Pitch	Socket Size	Flange Diameter	Lengths Available
TIHX3**	M3 x 0.50mm	5mm	6.9mm	6mm, 12mm
TIHX4**	M4 x 0.70mm	6mm	8mm	10mm, 15mm, 20mm, 25mm, 30mm
TIHX5**	M5 x 0.80mm	7mm	10mm	10mm, 12mm, 15mm, 20mm, 25mm, 30mm, 40mm, 45mm
TIHX6**	M6 x 1.00mm	8mm	12mm	10mm, 12mm, 14mm, 15mm, 16mm, 18mm, 20mm, 22mm, 25mm, 28mm, 30mm, 32mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm, 65mm, 70mm, 75mm, 80mm, 85mm, 90mm, 95mm, 100mm, 105mm
TIHX8**	M8 x 1.25mm	12mm	16mm	15mm, 20mm, 25mm, 28mm, 30mm, 32mm, 35mm, 40mm, 45mm, 47mm, 50mm, 55mm, 60mm, 65mm, 70mm, 80mm, 85mm
TIHX10**	M10 x 1.50mm	12/13mm	18mm	20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 60mm, 65mm
TIHX10**F	M10 x 1.25mm	12/13mm	18mm	25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm, 57mm, 60mm, 65mm, 70mm, 75mm, 80mm, 90mm, 110mm, 112mm, 115mm, 125mm
TIHX12**FF	M12 x 1.25mm	14mm	20mm	50mm, 55mm, 60mm, 65mm, 70mm, 75mm, 80mm, 90mm



**Countersunk Bolts**

Length measurements **include** the head

Part Number	Thread & Pitch	Allen Key Drive	Max Head Diameter	Lengths Available
TICS4**	M4 X 0.70mm	2.5mm	7.8mm	15mm, 20mm
TICS5**	M5 x 0.80mm	3mm	9.8mm	8mm, 10mm, 15mm, 20mm, 25mm, 30mm,
TICS6**	M6 x 1.00mm	4mm	11.8mm	15mm, 20mm, 25mm, 30mm, 35mm
TICS8**	M8 x 1.25mm	5mm	15.6mm	20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm, 55mm
TICS1020F	M10 x 1.25mm	6mm	19.9mm	20mm

**Dome Head/Fairing Bolts**

Length measurements are taken from **below** the head

Part Number	Thread & Pitch	Allen Key Drive	Max Head Diameter	Lengths Available
TIFB412F	M4 x 0.50mm	3mm	8mm	12mm
TIFB4**	M4 x 0.70mm	3mm	8mm	10mm, 12mm, 15mm
TIFB5**	M5 x 0.80mm	4mm	12mm	10mm, 16mm, 20mm, 25mm, 30mm
TIFB516XL	M5 x 0.80mm	4mm	16mm	16mm
TIFB6*	M6 x 1.00mm	5mm	16mm	10mm, 16mm, 20mm, 25mm, 30mm, 35mm, 40mm, 55mm
TIFB6**XS	M6 x 1.00mm	5mm	12mm	20mm, 30mm
TIFB8**	M8 x 1.25mm	5mm	16mm	20mm, 25mm, 30mm, 35mm 40mm, 85mm

**TITANIUM**





# NUTS

## Full Nuts

A

Part No.	Thread & Pitch	Socket Size
TIFN4	M4 (0.70) Full Nut	7mm
TIFN5	M5 (0.80) Full Nut	8mm
TIFN6	M6 (1.00) Full Nut	10mm
TIFN8	M8 (1.25) Full Nut	13mm
TIFN10	M10 (1.50) Full Nut	17mm
TIFN10F	M10 (1.25) Full Nut	17mm
TIFN12	M12 (1.75) Full Nut	18mm
TIFN12F	M12 (1.50) Full Nut	18mm



## Flanged Nuts

B

Part No.	Thread & Pitch	Socket Size
TIFLN4	M4 (0.70) Flanged Nut	7mm
TIFLN5	M5 (0.80) Flanged Nut	8mm
TIFLN6	M6 (1.00) Flanged Nut	10mm
TIFLN8	M8 (1.25) Flanged Nut	13mm
TIFLN10	M10 (1.50) Flanged Nut	15mm
TIFLN10F	M10 (1.25) Flanged Nut	14mm
TIFLN10FF	M10 (1.00) Flanged Nut	14mm
TIFLN12	M12 (1.75) Flanged Nut	18mm
TIFLN12F	M12 (1.50) Flanged Nut	17mm
TIFLN12FF	M12 (1.25) Flanged Nut	17mm



## Nyloc Nuts

C

Part No.	Thread & Pitch	Socket Size
TINYN3	M3 (0.50) Nyloc Nut	5.5mm
TINYN4	M4 (0.70) Nyloc Nut	7mm
TINYN5	M5 (0.80) Nyloc Nut	8mm
TINYN6	M6 (1.00) Nyloc Nut	10mm
TINYN8	M8 (1.25) Nyloc Nut	13mm
TINYN10	M10 (1.50) Nyloc Nut	16mm
TINYN10F	M10 (1.25) Nyloc Nut	16mm
TINYN12	M12 (1.75) Nyloc Nut	20mm
TINYN12F	M12 (1.50) Nyloc Nut	20mm
TINYN12FF	M12 (1.25) Nyloc Nut	20mm



## Flanged Nyloc Nuts

D

Part No.	Thread & Pitch	Socket Size
TINYNFL3	M3 (0.50) Flanged Nyloc Nut	5.5mm
TINYNFL4	M4 (0.70) Flanged Nyloc Nut	7mm
TINYNFL5	M5 (0.80) Flanged Nyloc Nut	8mm
TINYNFL6	M6 (1.00) Flanged Nyloc Nut	10mm
TINYNFL8	M8 (1.25) Flanged Nyloc Nut	13mm
TINYNFL8F	M8 (1.00) Flanged Nyloc Nut	13mm
TINYNFL10	M10 (1.50) Flanged Nyloc Nut	15mm
TINYNFL10F	M10 (1.25) Flanged Nyloc Nut	15mm
TINYNFL12	M12 (1.75) Flanged Nyloc Nut	18mm
TINYNFL12F	M12 (1.50) Flanged Nyloc Nut	18mm
TINYNFL12FF	M12 (1.25) Flanged Nyloc Nut	18mm

## Bi-Hex Plastic Nyloc Nuts

E

Part Number	Thread & Pitch	Socket Size
TINYNFLBH6	M6 (1.00) Flanged Bi-Hex Plastic Nyloc	11mm
TINYNFLBH8	M8 (1.25) Flanged Bi-Hex Plastic Nyloc	13mm
TINYNFLBH10	M10 (1.50) Flanged Bi-Hex Plastic Nyloc	15mm
TINYNFLBH10F	M10 (1.25) Flanged Bi-Hex Plastic Nyloc	15mm
TINYNFLBH10FF	M10 (1.00) Flanged Bi-Hex Plastic Nyloc	15mm

## Metal Lock Nuts

F

Part Number	Thread & Pitch	Socket Size
TILOCKNUT3	M3 (0.5) Flanged Metal Locknut	5.5mm
TILOCKNUT4	M4 (0.7) Flanged Metal Locknut	7mm
TILOCKNUT5	M5 (0.8) Flanged Metal Locknut	8mm
TILOCKNUT6	M6 (1.00) Flanged Metal Locknut	10mm
TILOCKNUT8	M8 (1.25) Flanged Metal Locknut	12mm
TILOCKNUT10	M10 (1.50) Flanged Metal Locknut	14mm
TILOCKNUT10F	M10 (1.25) Flanged Metal Locknut	14mm

## Bi-Hex Metal Lock Nuts

G

Part Number	Thread & Pitch	Socket Size
TILOCKNUTBH6	M6 (1.00) Flanged Bi-Hex Metal Locknut	11mm
TILOCKNUTBH8	M8 (1.25) Flanged Bi-Hex Metal Locknut	13mm
TILOCKNUTBH10	M10 (1.50) Flanged Bi-Hex Metal Locknut	15mm
TILOCKNUTBH10F	M10 (1.25) Flanged Bi-Hex Metal Locknut	15mm



# WASHERS

**TITANIUM**

## Flat Washers

Part Number	Description	Outside Diameter	Thickness
TIWA3	M3 Flat Washer	7mm	0.6mm
TIWA4	M4 Flat Washer	9mm	0.7mm
TIWA5	M5 Flat Washer	10mm	1.0mm
TIWA6	M6 Flat Washer	12mm	1.5mm
TIWA8	M8 Flat Washer	16mm	1.6mm
TIWA10	M10 Flat Washer	20mm	1.7mm
TIWA12	M12 Flat Washer	24mm	2.6mm



## Penny Washers

Part Number	Description	Outside Diameter	Thickness
TIWA5-15	M5 Penny Washer	15mm	1.0mm
TIWA5-20	M5 Penny Washer	20mm	1.1mm
TIWA6-15	M6 Penny Washer	15mm	1.5mm
TIWA6-20	M6 Penny Washer	20mm	1.5mm
TIWA6-25	M6 Penny Washer	25mm	1.8mm
TIWA6-30	M6 Penny Washer	30mm	1.6mm



## Countersunk Washers

Part Number	Description	Outside Diameter	Thickness
TIWAC6-22	M6 Countersunk Washer	22mm	4.5mm



## Drilled Washers

Part Number	Description	Outside Diameter	Thickness
TIWAD5	M5 Drilled Washer	10mm	1.0mm
TIWAD6	M6 Drilled Washer	12mm	1.5mm
TIWAD8	M8 Drilled Washer	16mm	1.6mm
TIWAD10	M10 Drilled Washer	20mm	1.7mm
TIWAD12	M12 Drilled Washer	24mm	2.5mm



## WORKSHOP ASSORTMENTS

ALUMINIUM

We offer a variety of tubs and workshop kits in aluminium. Ideal for spares in the workshop or for that special project – just choose your preferred quantity, colour and bolt combination.

### 25/50pc Workshop Kits

Supplied with Copper Grease Lubricant, Allen Keys and Stickers.

WSKIT25	Assortment of 5mm, 6mm & 8mm Allen Bolts, Fairing Bolts, Nuts and Washers - 25 pieces
WSKIT50	As above but 50 pieces rather than 25

### 100pc Workshop Tubs

Supplied in handy tub with Allen Keys and Copper Grease.

#### ALLEN KEY SOCKET CAP BOLT TUB

PBTUBALLEN 100 pc Metric Socket Cap Allen Key Bolt Tub - M5 - M8

#### DOME HEAD/FAIRING BOLT TUB

PBTUBFAIR 100 pc Metric Dome Head Allen Key Bolt Tub - M5 - M8

#### MIXED BOLT TUB

PBTUBMIXED 100 pc Metric Assorted Dome Head & Socket Cap Allen Key Bolt Tub - M5 - M8

#### NUT & WASHER TUB

PBTUBNUTS 100 pc Metric Assorted Full Nuts, Nyloc Nuts & Washers - M5 - M8

#### DOME NUT TUB

PBTUBDOMENUT 100 pc Metric Assorted Dome Nuts M4 - M5 - M6 - M8 - M10 - M10 Fine

#### DRILLED WASHER TUB

PBTUBWAD 100 pc Drilled Washer Tub - M5 - M12

#### THREADED COLLAR TUB

PBTUBCOLLAR 100 pc Threaded Collar Tub - M5 & M6 various outside diameters & lengths for use as spacers, shoulders and collars. Supplied only in natural finish. NB: Colour options not available.

### 200pc Workshop Box

Complete with Allen Keys, Copper Grease Lubricant, Anti-Scratch Washers and Pro-Bolt Stickers.

WSBOX200	(In our handy Workshop Box we supply) Allen Bolts, Dome Head Bolts, Nuts, Washers, Countersunk Bolts, Countersunk Washers and Cup Washers in the most popular sizes.
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### 500pc Workshop Cabinet

Ideal for large scale projects. Excellent value for money, presented in a convenient cabinet.

BCAB500	Allen Bolts, Dome Head Bolts, Countersunk Bolts, Nuts and Washers in 5mm, 6mm and 8mm sizes in their most popular lengths. Also comes with Allen Keys, Copper Grease Lubricant, Anti-Scratch Washers and Pro-Bolt stickers.
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# WORKSHOP ASSORTMENTS

**STAINLESS**

We offer a variety of tubs and workshop kits in Stainless Steel. Ideal for spares in the workshop or for special projects. Exact contents are available on request or online and can be amended if desired, with the agreement of Pro-Bolt.

## 50pc Workshop Kit

Supplied with Copper Grease Lubricant, Allen Keys and Stickers.

SSWSBOX50    10 Nuts • 10 Washers • 10 Countersunk Bolts • 10 Flanged Hex Head Bolts • 10 Tapered Socket Caps Bolts

## 100pc Workshop Tubs

Supplied in handy tub with Allen Keys and Copper Grease.

### ALLEN KEY SOCKET CAP BOLT TUB

SSTUBALLEN    100 pc Metric Tapered Socket Cap Allen Key Bolt Tub - M5 - M8

### DOME HEAD/FAIRING BOLT TUB

SSTUBFAIR    100 pc Metric Dome Head Allen Key Bolt Tub - M5 - M8

### MIXED BOLT TUB

SSTUBMIXED    100 pc Metric Assorted Dome Head & Tapered Socket Cap Allen Key Bolt Tub - M5 - M8

## 200pc Workshop Box

Complete with Allen Keys, Copper Grease Lubricant, Anti-Scratch Washers and Pro-Bolt Stickers.

SSWSBOX200    25 Assorted Washers - M5 - M10 • 25 Countersunk Bolts • 30 Assorted Nuts - M5 - M10 • 60 Flanged Hex Head Bolts - M5 - M10 • 60 Tapered Socket Cap Bolts - M5 - M10



SSTUBMIXED



SSWSBOX200

# WORKSHOP ASSORTMENTS



In our Titanium workshop boxes we provide a selection of our most popular parts. Exact contents are available on request or online and can be amended if desired, with the agreement of Pro-Bolt.

## 50pc Workshop Box

Supplied with Copper Grease Lubricant, Allen Keys and Stickers.

TIWSBOX50 10 Nuts • 10 Washers • 10 Countersunk Bolts •  
10 Flanged Hex Head Bolts • 10 Tapered Socket Caps Bolts

## 100pc Workshop Box

Supplied with Copper Grease Lubricant, Allen Keys and Stickers.

TIWSBOX100 15 Assorted Washers • 10 Countersunk Bolts • 25 Assorted Nuts  
• 25 Flanged Hex Head Bolts • 25 Tapered Socket Cap Bolts

## 200pc Workshop Box

Complete with Allen Keys, Copper Grease Lubricant, Anti-Scratch Washers and Pro-Bolt Stickers.

TIWSBOX200 25 Assorted Washers - M5 - M10 • 25 Countersunk Bolts •  
30 Assorted Nuts - M5 - M10 • 60 Flanged Hex Head Bolts -  
M5 - M10 • 60 Tapered Socket Cap Bolts - M5 - M10

## 100pc Flanged Hex Head 'Race-spec' Workshop Box

Supplied with Copper Grease Lubricant and Stickers.

TIWSBOX100RS Race-Spec Flanged Hex Head Bolts - M5 - M10



TIWSPBOX100



TIWSPBOX100RS



# QUICK RELEASE FASTENERS

## ALUMINIUM

Makes removal of bodywork easy and fast. Supplied individually or in packs and in all materials. Available packs and lengths are listed below – choose from D-Ring, Scalloped Head or Allen Key Drive, all with a superb finish (17mm is the most popular, 14mm is the most common for thinner race fairings). Now supplied with springs to ensure a tight fit for race frings.



ALL AVAILABLE IN A CHOICE OF 7 COLOURS:  
BLACK • BLUE • GOLD • ORANGE • PURPLE • RED • SILVER

### D-Ring

ALUMINIUM

Part Number	Description
LQRCLIP14	14mm Individual D-Ring Quick Release Fastener
LQRCLIP17	17mm Individual D-Ring Quick Release Fastener
LQRCLIP19	19mm Individual D-Ring Quick Release Fastener
QRCLIP1014	Packs of 10 - D-Ring 14mm Quick Release Fasteners & Washers
QRCLIP1017	Packs of 10 - D-Ring 17mm Quick Release Fasteners & Washers
QRCLIP1019	Packs of 10 - D-Ring 19mm Quick Release Fasteners & Washers

Can also be purchased in packs complete with backing clips:

QRPACKRIVET**	Pack of 10 D-Ring Fasteners with Rivet-on Backing Plates and Rivets & Washers
QRPACKSLIDE**	Pack of 10 D-Ring Fasteners with Slide-on Backing Plates & Washers

### Allen Key Drive

ALUMINIUM

Part Number	Description
LQRCLIPAK14	14mm Individual Allen Key Quick Release Fastener
LQRCLIPAK17	17mm Individual Allen Key Quick Release Fastener
LQRCLIPAK19	19mm Individual Allen Key Quick Release Fastener
QRCLIPAK1014	Packs of 10 - Allen Key 14mm Quick Release Fasteners with Washers
QRCLIPAK1017	Packs of 10 - Allen Key 17mm Quick Release Fasteners with Washers
QRCLIPAK1019	Packs of 10 - Allen Key 19mm Quick Release Fasteners with Washers

Can also be purchased in packs complete with backing clips:

QRPACKAKRIVET**	Pack of 10 D-Ring Fasteners with Rivet-on Backing Plates, Rivets and Washers
QRPACKAKSLIDE**	Pack of 10 D-Ring Fasteners with Slide-on Backing Plates and Washers

\*\* Required length



# QUICK RELEASE FASTENERS

## STAINLESS STEEL

STAINLESS STEEL PRODUCTS HAVE A  
HIGH POLISH STAINLESS FINISH

### D-Ring

STAINLESS

Part Number	Description
LSSQRCLIP14	14mm Length D-ring Quick Release Fastener
LSSQRCLIP17	17mm Length D-ring Quick Release Fastener
LSSQRCLIP19	19mm Length D-ring Quick Release Fastener
SSQRCLIP1017	17mm D-ring Quick Release Fastener - Pack of 10
SSQRCLIP1417	17mm D-ring Quick Release Fastener - Pack of 14
SSQRCLIP1019	17mm D-ring Quick Release Fastener - Pack of 10
SSQRPACKRIVET1017	17mm D-ring Quick Release Fastener - Pack of 10 - Rivet on Backs & Washers
SSQRPACKRIVET1417	17mm D-ring Quick Release Fastener - Pack of 14 - Rivet on Backs & Washers
SSQRPACKRIVET1019	19mm D-ring Quick Release Fastener - Pack of 10 - Rivet on Backs & Washers
SSQRPACKSLIDE1017	17mm D-ring Quick Release Fastener - Pack of 10 - Slide on Backs & Washers
SSQRPACKSLIDE1417	17mm D-ring Quick Release Fastener - Pack of 14 - Slide on Backs & Washers
SSQRPACKSLIDE1019	19mm D-ring Quick Release Fastener - Pack of 10 - Slide on Backs & Washers

### Alley Key Drive

STAINLESS

Part Number	Description
LSSQRCLIPAK14	14mm Allen Key Drive Quick Release Fastener
LSSQRCLIPAK17	17mm Allen Key Drive Quick Release Fastener
LSSQRCLIPAK19	19mm Allen Key Drive Quick Release Fastener
SSQRPACKAKRIVET1017	17mm Allen Key Quick Release Fastener - Pk of 10 - Rivet on Backs & Washers
SSQRPACKAKRIVET1417	17mm Allen Key Quick Release Fastener - Pk of 14 - Rivet on Backs & Washers
SSQRPACKAKRIVET1019	19mm Allen Key Quick Release Fastener - Pk of 10 - Rivet on Backs & Washers
SSQRPACKAKSLIDE1017	17mm Allen Key Quick Release Fastener - Pk of 10 - Slide on Backs & Washers
SSQRPACKAKSLIDE1417	17mm Allen Key Quick Release Fastener - Pk of 14 - Slide on Backs & Washers
SSQRPACKAKSLIDE1019	19mm Allen Key Quick Release Fastener - Pk of 10 - Slide on Backs & Washers



## TITANIUM

17mm is the perfect length for the MV Agusta F4 and the Ducati 748/916/996 range.

TITANIUM PRODUCTS AVAILABLE  
IN A CHOICE OF 4 COLOURS:  
BLUE • GOLD • NATURAL •  
PURPLE HAZE

### D-Ring

TITANIUM

Part Number	Description
TIQRCLIP17	17mm Titanium Quick Release Stud - D Ring
TIQRCLIP19	19mm Titanium Quick Release Stud - D Ring



## BLACK ZINC COATED STEEL

Black Zinc Coated Steel Quick Release Fasteners. Strong and durable cost effective option, available in 17mm only – the most popular length.

### D-Ring

Part Number	Description
LDZUS-PANEX20	Individual Black Zinc Coated Steel D-Ring Quick Release Fastener
QRSTEEL17SETBK	Pack of 10 Black Steel 17mm Fasteners, Rivet on Backs and Rivets & Washers
QRSTEELSETSLIDE	Pack of 10 Black Steel 17mm Fasteners, Slide on Backs and Rivets & Washers





## PRO-BOLT WORLDWIDE

Pro-Bolt have a worldwide distribution network and a network of websites serving customers. Our websites enable customers to discuss and enquire about our products with a local representative, see pricing in their local language and currency.

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In addition to our Global Websites we also have a network of stockists in the UK  
– see our website for details: <http://www.pro-bolt.com/stockists>

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