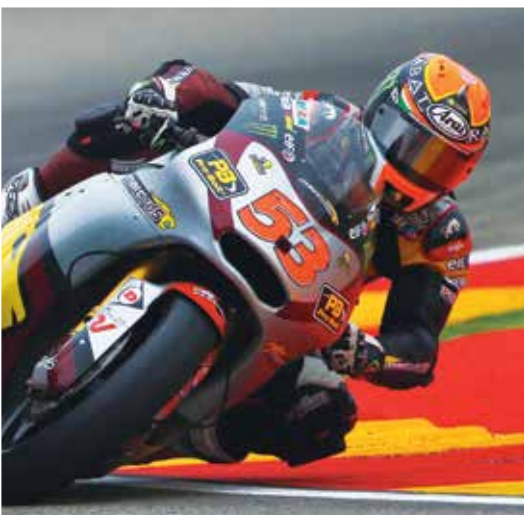




ALUMINIUM | TITANIUM | STAINLESS STEEL



*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 DIN /ISO standard 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 in the UK 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

– select your preferred country and currency.

OVERSEAS DISTRIBUTORS

Pro-Bolt has a worldwide network of Distributors – our website 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.

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

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: Pro-Bolt Ltd, Unit B, 6400 Severn Drive, Tewkesbury Business Park, Tewkesbury, Glos GL20 8SF, 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.

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.



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 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.

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/m³ (170lb/ft³)
- Young's Modulus:72GPa (10.4 x 10³psi)
- Yield Strength:505MPa (73.2 x 10³psi)
- Ultimate Tensile Strength:.....570MPa (82.7 x 10³psi)
- Compressive Strength:505MPa (73.2 x 10³psi)
- Shear Modulus:27GPa (3.92 x 10⁶psi)
- Shear Strength:330MPa (47.9 x 10³psi)
- 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 ²) | 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 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/m³ (501lb/ft³)
- Young's Modulus: 193GPa (28 x 10⁶psi)
- Yield Strength:.....260MPa (37.7 x 10³psi)
- Ultimate Tensile Strength:570MPa (82.7 x 10³psi)
- Compressive Strength:260MPa (37.7 x 10³psi)
- Shear Modulus: 78GPa (11.3 x 10⁶psi)
- 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 ²) | 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 website, or can be downloaded from 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/m³ (276lb/ft³)
- Young's Modulus: 110GPa (16 x 10⁶psi)
- Yield Strength: 828 MPa (120 x 10³psi)
- Ultimate Tensile Strength: 1030MPa (149 x 10³psi)
- Compressive Strength: 960MPa (139 x 10³psi)
- Shear Modulus: 43GPa (6.24 x 10⁶psi)
- 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 ²) | 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

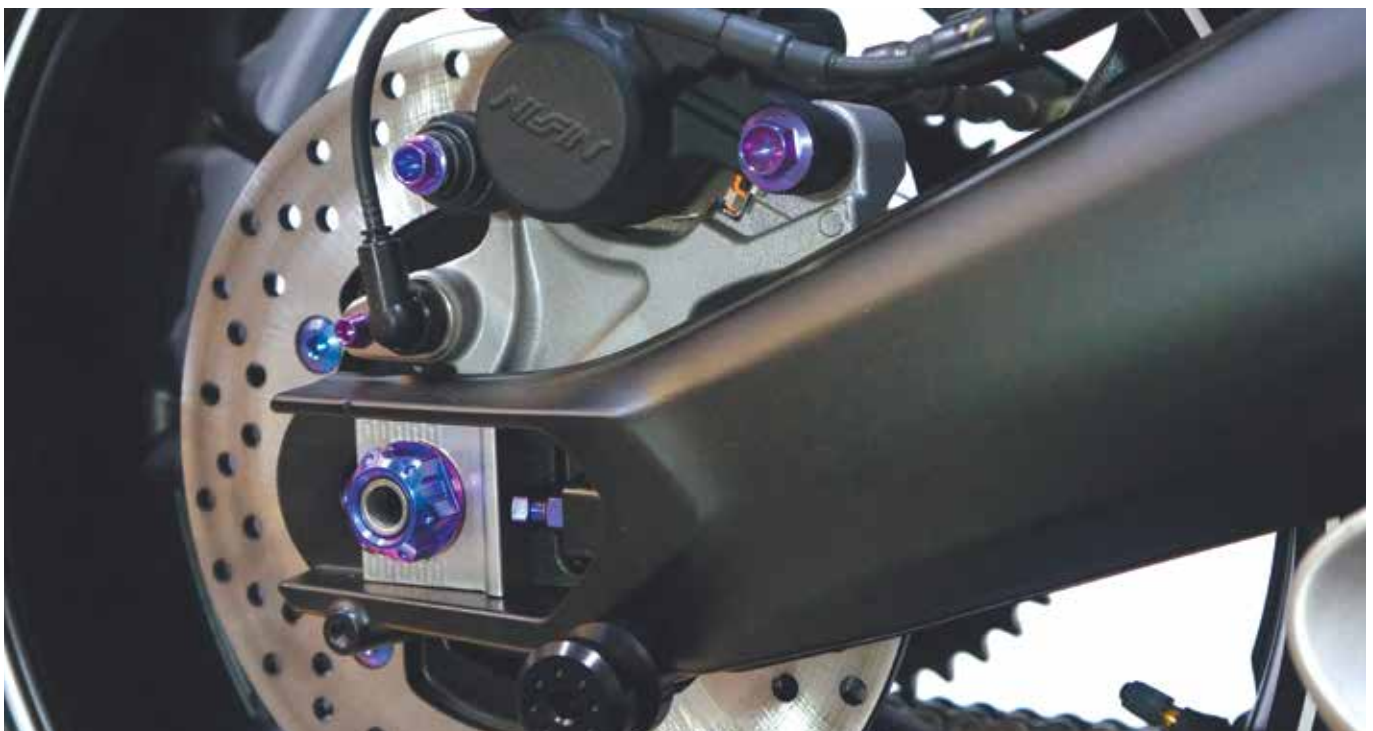


- **Material specification:** Ti-6Al-4V, an alloy introduced in 1954, is a good general purpose grade. Titanium alloy is available in all product forms. Its density is 0.160 pounds per cubic inch. It can be heat-treated to ultimate strengths in excess of 170,000psi and responds to heat treatment in sections 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

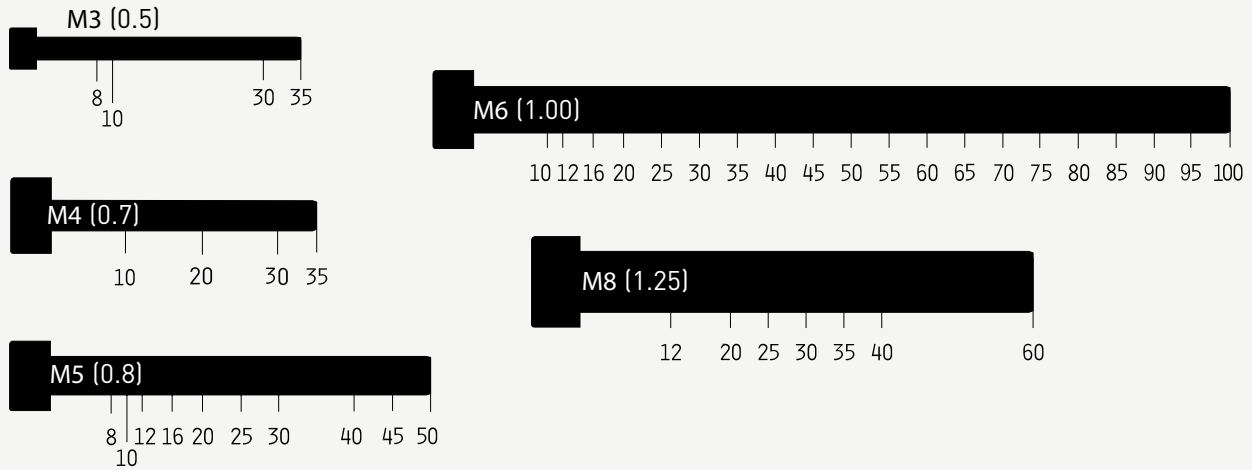
When individual bolts are purchased, torque guides vary depending on the material, manufacturing method, thread diameter, pitch and head style. This torque information can be supplied on request, or is in the 'Materials Information' on our www.probolt-technical.com website, or can be downloaded from 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.



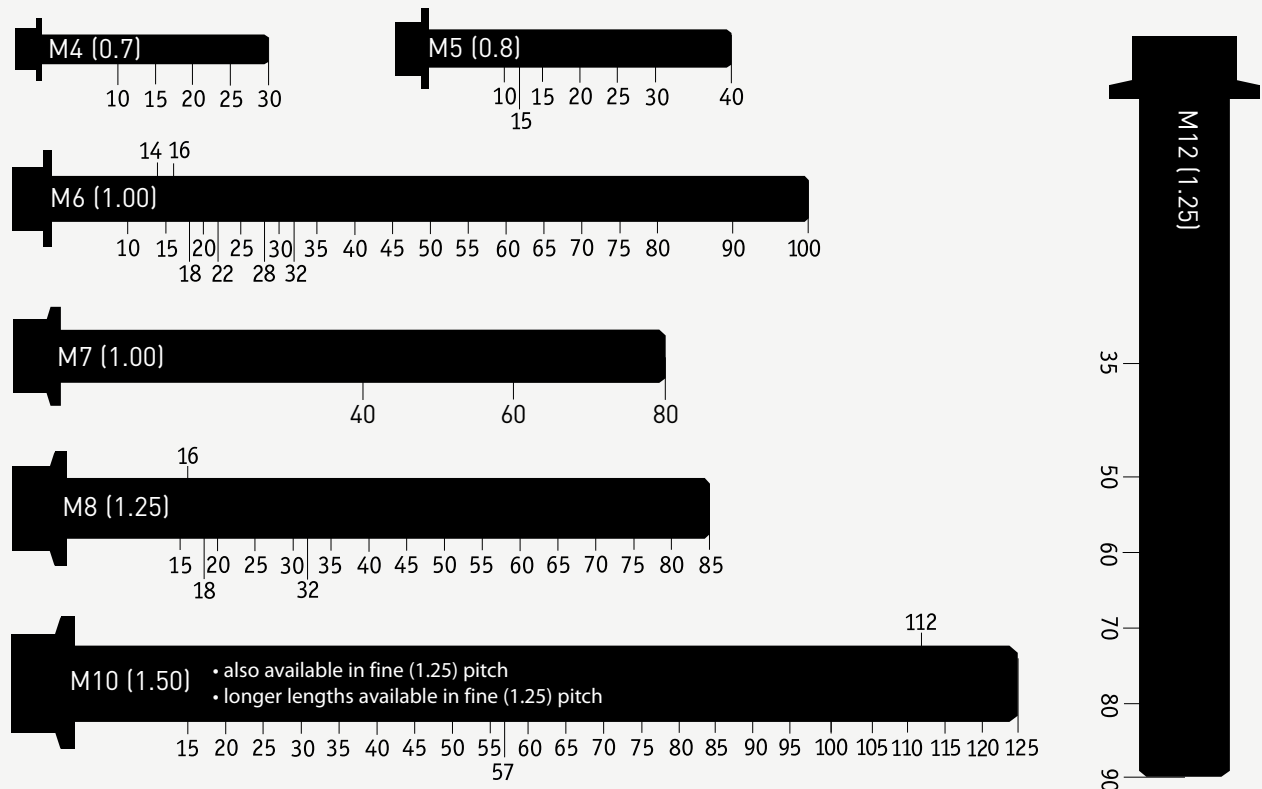
Note: Not all sizes are available in ALL materials, please refer to relevant material section.

Standard Allen Key Socket Cap Bolts



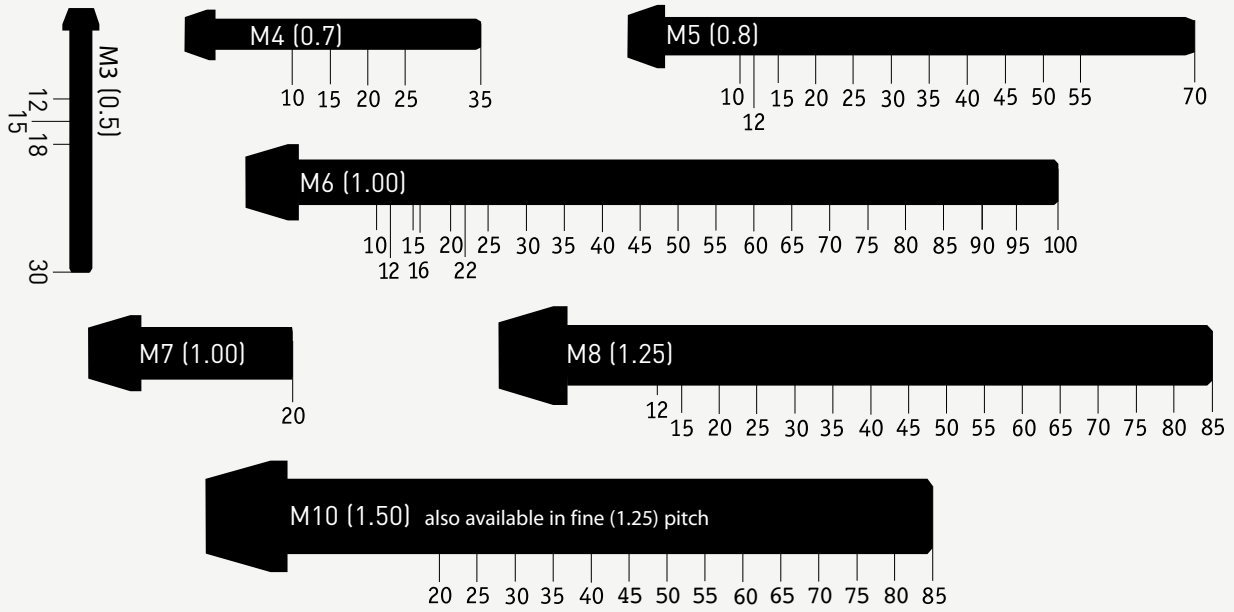
Flanged Hex Head Bolts

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

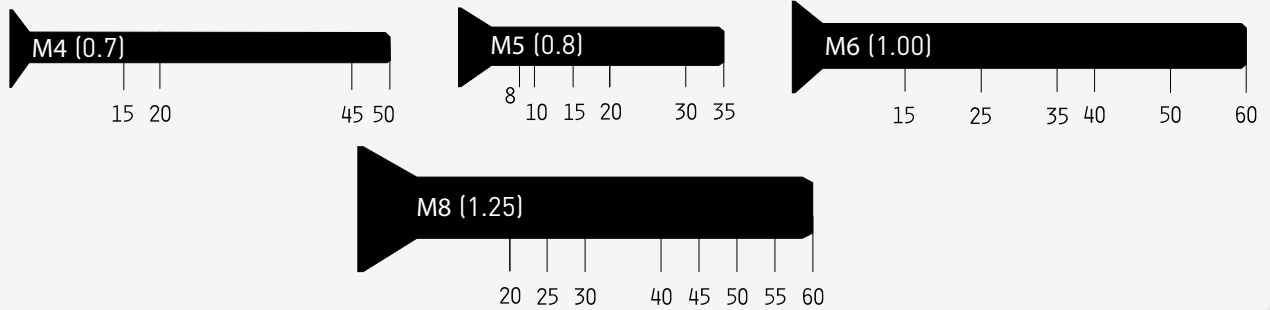


PRODUCT SILHOUETTES

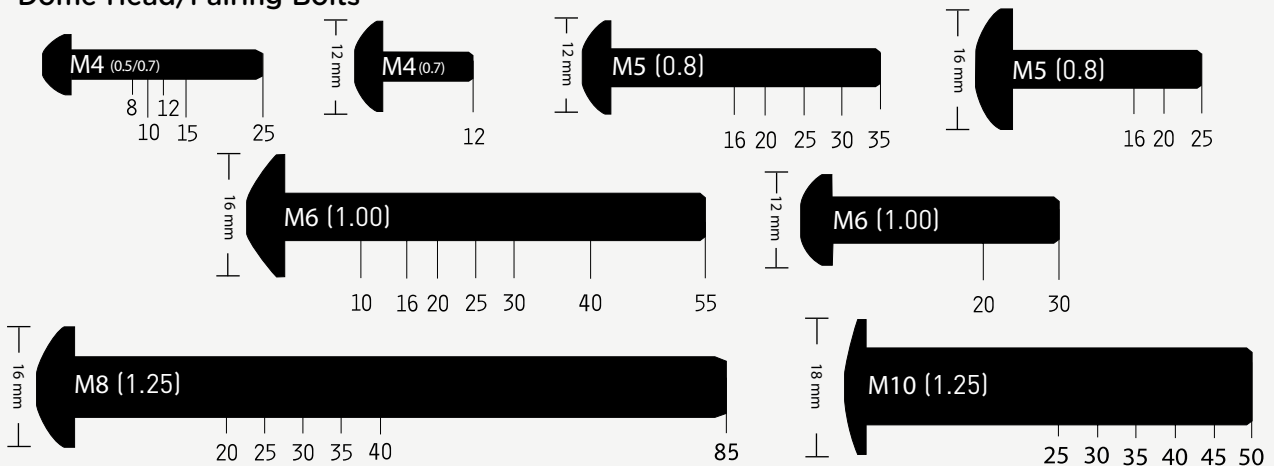
Tapered Socket Cap Bolts



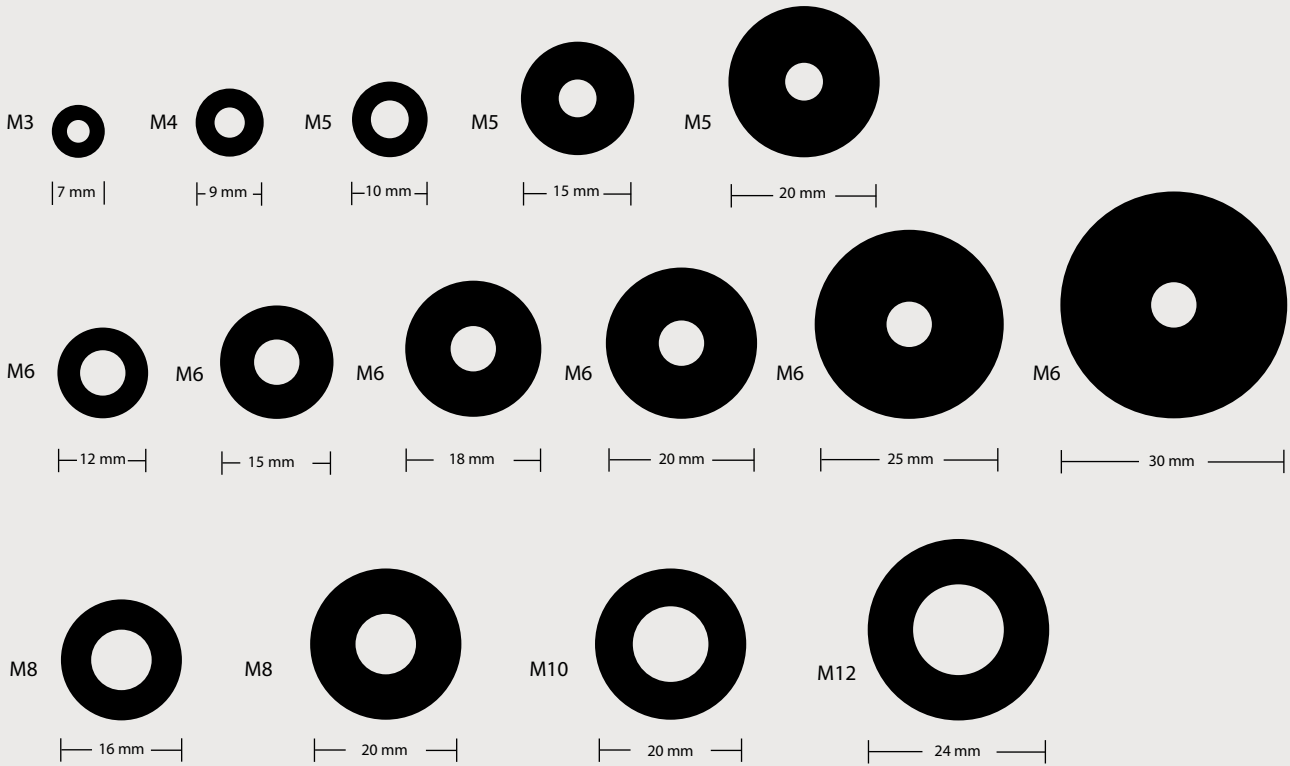
Countersunk Bolts



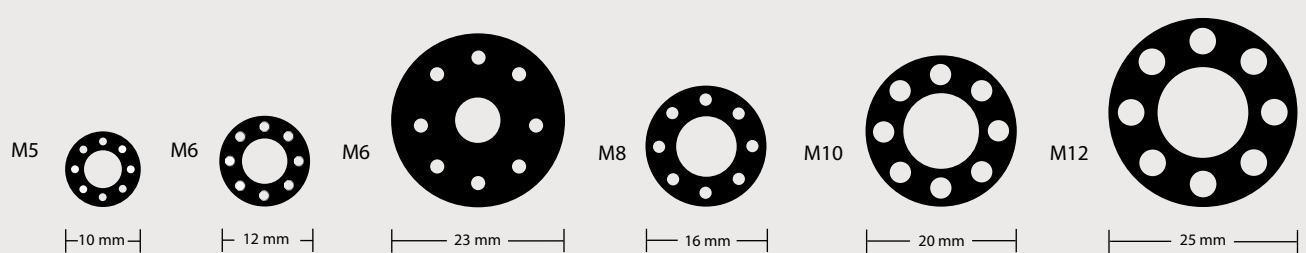
Dome Head/Fairing Bolts



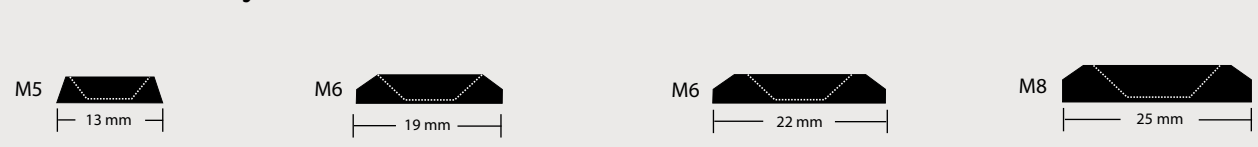
Flat Washers



Drilled Washers

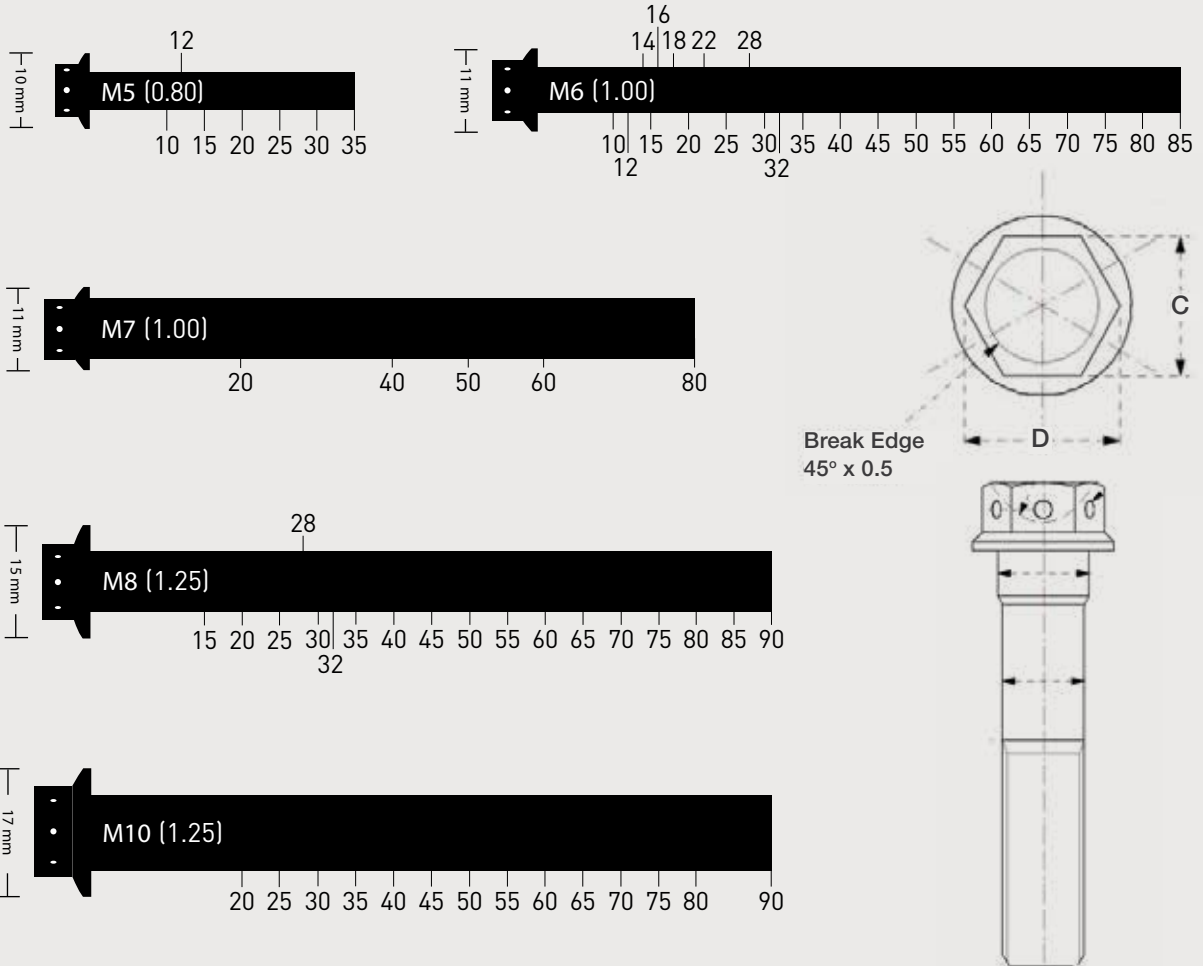


Countersunk Bodywork Washers

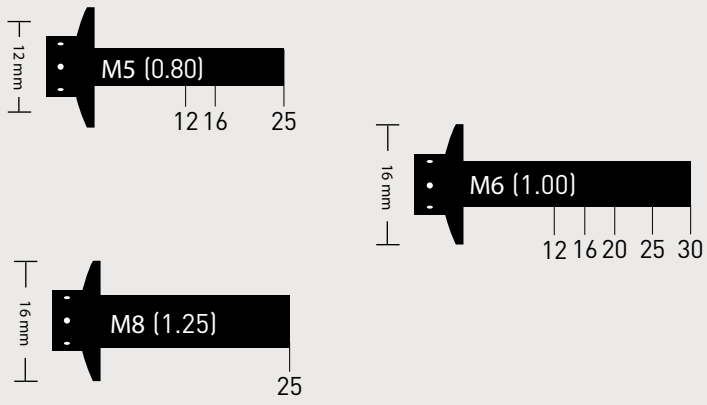


PRODUCT SILHOUETTES

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 |
|-------------------|--------------------|--------------|------------|--------------|-----------------|-------|
| TIFNFDIN5 | SSFNFDIN5 | 5 | 5 | 8 | 11.8 | 0.8 |
| TIFNFDIN6 | SSFNFDIN6 | 6 | 6 | 10 | 14.2 | 1 |
| TIFNFDIN8 | SSFNFDIN8 | 8 | 8 | 12 | 17.9 | 1.25 |
| TIFNFDIN10F | SSFNFDIN10F | 10 | 10 | 15 | 21.8 | 1.25 |
| TIFNFDIN10 | SSFNFDIN10 | 10 | 10 | 15 | 21.8 | 1.5 |
| TIFNFDIN12FF | SSFNFDIN12FF | 12 | 12 | 18 | 26 | 1.25 |
| TIFNFDIN12F | SSFNFDIN12F | 12 | 12 | 18 | 26 | 1.5 |
| TIFNFDIN12 | SSFNFDIN12 | 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 |

| | | | | | | | |
|---------------|---------------|----|----|----|-----|----|------|
| 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 | 1.25 |
| TIHXDIN1275FF | SSHXDIN1275FF | 12 | 75 | 36 | 7.5 | 19 | 1.25 |

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. |
|----------|--|

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. |
|---------|---|



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

TITANIUM

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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