



# FASTENERS

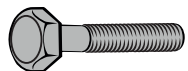
## SELECTION GUIDE



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|                                  |           |                                       |           |                           |           |
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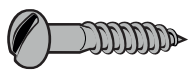
## COMMON FASTENER TYPES

**Hex bolts**

Hex bolts are partially threaded and are used in machinery and construction applications. Can be used with a nut or in a tapped hole and are tightened with a wrench.

**Hex set screws**

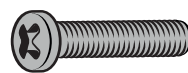
Hex set screws are similar to the Hex bolt but are fully threaded instead of partially threaded. They are also used in machinery and construction applications and can be used with a nut or in a tapped hole.

**Wood screws**

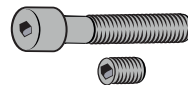
Wood screws are primarily used in carpentry applications. They provide a strong clamping force which strengthens the joint between two materials. Wood screws are suitable for fixing hinges, bolts, locks and other door hardware.

**Self-drilling, Self-tapping and Thread-forming screws**

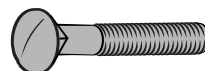
These are screws which form a thread as they are inserted. The choice of screw used will depend upon the material, its thickness and the application. A pilot hole may be required.

**Machine screws**

Machine screws are fully threaded and are used with a nut or in a tapped hole. They can be used in many applications where a high strength fastener is not required. The drive type dictates the appropriate screwdriver required.

**Socket screws**

Socket screws have an internal hex drive and are tightened using a hex key. Often they are used in applications where there is limited clearance. A headless version is available and is known as a socket set screw or grub screw.

**Coach/Carriage Bolts**

Coach bolts, also known as Carriage bolts, have a domed head with a square section underneath that pulls into the material or a square hole to prevent spinning during installation.

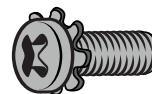
**Nuts**

Nuts are used with machine threaded fasteners in through-hole applications. Hex nuts are the most common type and are for general-purpose fastening applications. Other types are chosen depending on the application required. These include locking nuts, which are used when a greater resistance to vibrations and torque is required.

Connecting or coupling nuts are used to provide spacing between component parts of an assembly.

**Washers**

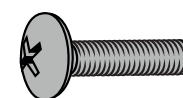
Washers are generally used with a machine threaded fastener and nut to spread the load over a greater surface area when tightening a bolt, screw or nut.

**Sems Screws**

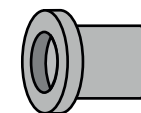
Sems screws are screw/washer assemblies used to speed assembly of parts in a production environment. They contain an integral, spinning captive washer in a variety of forms.

**Coach Screws**

Also known as lag screws or lag bolts, coach screws are heavy duty fasteners for fastening metal pieces with timber and also to fasten heavy timbers. With a square or hexagonal head, they have an externally threaded cylindrical shaft that tapers to a point.

**Roofing Bolts**

Commonly used for joining two flat surfaces together. Typical applications include cable tray fixing as well as fencing and roofing, roofing bolts generally have a single/cross-slot mushroom head and are supplied with a square or hex nut.

**Screw Insulators**

Used primarily for the isolation of metal screws, screw insulators are also known as shoulder washers. They can be inserted into a housing to provide a bearing surface for rotary applications.

**Standoffs**

Standoffs are threaded spacers made of nylon, for insulation, steel or brass. Used in different body lengths to provide a set spacing distance between two component parts, they are supplied in various male/female gender types.

**Hose clips and P-clips**

Hose clips are used to clamp, and seal, a hose to an outlet or inlet pipe. Various tightening methods are available depending on the application. P-clips are single piece clips for securing cables, hoses and pipes. Typically used where there is a possibility of chafing and damage to surrounding components in equipment.

**Sign clamps**

Used as a quick and reliable method of fixing signs, letter bins, boxes etc to posts, sign clamps can be cut to length which avoids wastage. Supplied in stainless steel and with 7-sided screw head for security purposes.

## FASTENER MATERIALS & FINISHES

### Zinc plated steel

Zinc plating provides moderate corrosion resistance suitable for indoor use in a dry environment.



### Stainless steel

Stainless steel offers good corrosion resistance, making it suitable for outdoor applications, but is more expensive than zinc plated or galvanised steel.

The two most common grades of stainless steel are A2 (304) and A4 (316). Both grades will offer a good form of corrosion resistance and both are able to handle low (cryogenic) and high temperatures. A4 grade has a higher corrosion resistance than A2 grade and should be chosen in higher corrosive and chemical environments, including contact with dilute sulphuric acid and acetic acid. A4 should be chosen for marine conditions.



### Brass

Brass is a copper alloy which is more expensive than steel but provides a better level of corrosion resistance. It is used when a decorative finish is required and also in marine applications. It can be Nickel Plated or Self Colour.



### Chrome and nickel plated steel

Chrome and nickel plated steel have a smooth, polished appearance and are used where a decorative finish is desired. The nickel plating gives moderate corrosion resistance.



### Alloy steel

Alloy steel is used when a high strength fastener is required. Usually produced with a black self colour finish which offers little corrosion resistance and so is not recommended for outdoor use.



### Nylon

Nylon fasteners offer good value and are ideal where a corrosion-free, lightweight solution is required. They offer good insulation resistance and can be used in high voltage assemblies.

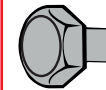


### Titanium

Titanium fasteners are non-toxic and offer lightness and very high corrosion resistance that makes them ideal for where these attributes are vital. Comparatively more expensive than other types.



## HEAD TYPES



### Hex

Used for larger bolts and set screws. Fastened with a spanner or socket.



### Round

Often chosen for decorative purposes, round heads are domed and have either Cross Recess or slotted drive.



### Pan

Consists of a raised, domed head which sits above the material surface.



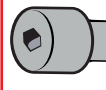
### Countersunk (flat)

Fastened into a countersunk hole with head sitting flush with the material surface.



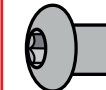
### Countersunk (raised)

Fastened into a countersunk hole and with an oval, raised head for decorative purposes.



### Socket

Narrow head with an internal hex socket drive. A headless version is available and is known as a socket set screw or grub screw.



### Button

Consists of a low profile, rounded, dome-shaped head, typically with a hex socket drive.



### Cheese

A cylindrical shaped head with straight sides that sits above the material surface.



### Mushroom

Larger diameter and lower profile than round head, mushroom is slightly domed with an extra large surface area. Most commonly seen with slot or cross slot.

## DRIVE TYPES



### Slotted

Highly versatile, most commonly used in woodworking applications.



### Cross Recess

An improved version of the traditional Phillips drive. Cross Recess are less likely to cam out and allow for greater torque pressure.



### Pozisquare/Phillips

Offering improved contact over standard slotted drives, Pozisquare allows for greater torque to be applied over slotted drive. gives a 'stick-fit' between driver and screw.



### Hex socket

Used with a Hex key in applications where there is limited space.



### Torx

Very common in automotive applications and highly resistant to slippage or cam-out.



### Security

A range of tamperproof types with a spigoted recess virtually eliminating unauthorised removal.

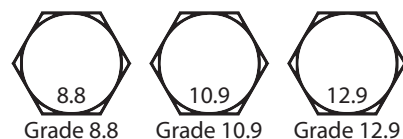


## GRADES AND STRENGTHS

The fastener grade indicates the mechanical properties of the material and is stamped onto the head of a bolt or screw.

A higher number indicates a stronger, more hardened material. So grade 12.9 will be stronger than 10.9.

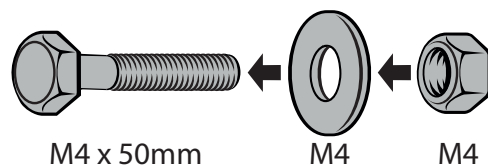
A manufacturer's stamp may also be marked.



## NUT AND WASHER SIZES

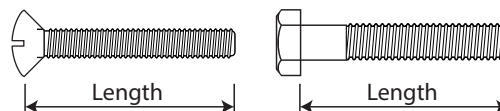
Nut and washer sizes indicate the size of screw or bolt they fit.

In the case of metric machine threaded fasteners, the thread size will denote the size of screw or bolt required.



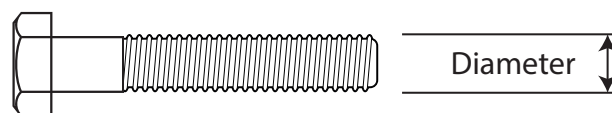
## MEASURING LENGTH

Countersunk fasteners are measured over the **whole** length. All other types are measured from **under** the head. Fastener length is measured from where the material surface is assumed to be, to the end of the fastener.



## MEASURING DIAMETER

The diameter is measured **across** the threaded portion on the **outside of the thread**.



## THREAD PITCH

Metric fasteners have a specific thread pitch depending on the size and thread type of the fastener.

Generally the thread pitch is the distance between threads expressed in millimetres (measured along the length of the fastener). For example a thread pitch of 1.5 means that the distance between one thread and the next is 1.5mm.

## HOSE CLIPS, P-CLIPS & SIGN CLAMPS

### Hose Clips

Typically fitted with a worm drive, hose clips are suited to most day-to-day requirements for connecting hose. Industry sectors including automotive, industrial, agricultural, construction and the DIY market make widespread use of hose clips for both pneumatic and hydraulic applications.



The corrosion resistance of A2 (304) grade clips makes them ideal for use in the marine, oil, gas and the food industry as well as the agricultural, hardware and industrial markets.

Our A4 (316) range offer the highest level of corrosion resistance for use within ship building and maintenance, plus food and chemical industries.

### P-Clips

When secure clamping of pipes, conduits or cables is a requirement, P-clips provide the best solution. The one-piece construction gives strength while a rubber liner, suitable for wide range of operating temperatures, helps limit vibration and chafing of the cable or pipe.

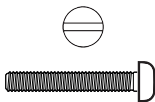
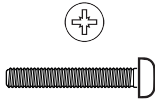
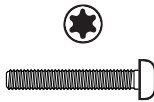
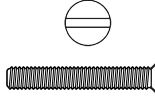
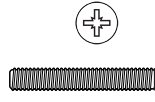
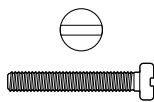


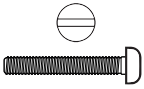
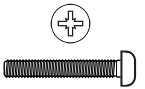
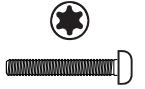
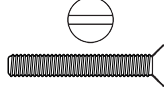
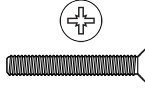
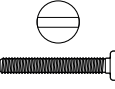
Our range includes mild steel for general industrial applications and A2 (304) grade stainless steel for demanding and corrosive environments.

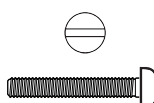
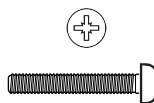
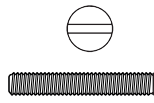
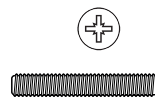
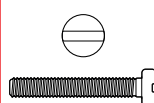
### Sign Clamps and Banding

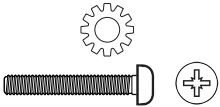
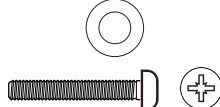
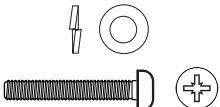
Designed specifically for the fixing of signs, bins, boxes, street furniture and CCTV systems to a holding post, sign clamps can be cut to size and offer tamper/vandal resistance to the screw or fixing. Banding and banding kits give you the flexibility to cut to length and create specific fixings suited to an application.



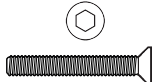
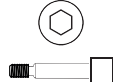
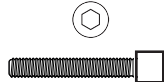
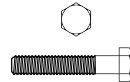
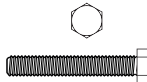
|             | Pan Head Slotted<br>DIN 85                                                        |                           |          |          |         | Pan Head Cross Recess<br>DIN 7985                                                 |                           |          |          |         | Pan Head Torx<br>DIN 7985T                                                          |          | Csk Head Slotted<br>DIN 963                                                         |                           |          |          | Csk Head Cross Recess<br>DIN 965                                                    |          |          | Csk Raised<br>Head Slotted<br>DIN 964                                               | Csk Head<br>Torx<br>DIN 965T                                                        | Cheese Head<br>Slot ted<br>DIN 84                                                   |                           |
|-------------|-----------------------------------------------------------------------------------|---------------------------|----------|----------|---------|-----------------------------------------------------------------------------------|---------------------------|----------|----------|---------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|---------------------------|----------|----------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|
|             |  |                           |          |          |         |  |                           |          |          |         |  |          |  |                           |          |          |  |          |          |  |  |  |                           |
|             | BZP                                                                               | Nickel<br>Plated<br>Brass | Brass    | A2       | A4      | BZP                                                                               | Nickel<br>Plated<br>Brass | Black ZP | A2       | A4      | BZP                                                                                 | A2       | BZP                                                                                 | Nickel<br>Plated<br>Brass | A2       | A4       | BZP                                                                                 | A2       | A4       | Nickel Plated<br>Brass                                                              | A2                                                                                  | BZP                                                                                 | Nickel<br>Plated<br>Brass |
| M2 x 3mm    |                                                                                   |                           |          | 914-1560 |         |                                                                                   |                           |          |          |         |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M2 x 4mm    |                                                                                   |                           |          |          |         |                                                                                   |                           |          | 914-1462 |         |                                                                                     |          |                                                                                     |                           | 914-1624 |          |                                                                                     | 914-1759 |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M2 x 5mm    |                                                                                   |                           |          | 914-1563 |         |                                                                                   |                           |          | 914-1466 |         |                                                                                     |          |                                                                                     |                           | 914-1633 |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M2 x 6mm    |                                                                                   | 482-7679                  |          | 526-906  |         | 560-530                                                                           | 482-7714                  |          | 528-693  |         |                                                                                     |          |                                                                                     |                           | 914-1636 |          |                                                                                     | 914-1753 |          |                                                                                     |                                                                                     |                                                                                     | 908-7747                  |
| M2 x 8mm    |                                                                                   |                           |          |          |         | 908-7637                                                                          |                           |          | 914-1475 |         |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     | 914-1762 |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M2 x 10mm   |                                                                                   |                           |          |          |         | 908-7646                                                                          |                           |          | 914-1478 |         |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M2 x 12mm   | 560-710                                                                           | 482-8458                  |          | 526-912  |         | 560-546                                                                           | 483-0035                  |          | 528-700  |         |                                                                                     |          |                                                                                     | 482-9114                  |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     | 908-7740                  |
| M2 x 16mm   |                                                                                   |                           |          |          |         |                                                                                   |                           |          |          |         |                                                                                     |          |                                                                                     | 482-9120                  |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M2.5 x 5mm  |                                                                                   |                           |          |          |         | 908-7649                                                                          |                           |          | 914-1472 |         |                                                                                     |          |                                                                                     |                           | 914-1630 |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M2.5 x 6mm  | 560-726                                                                           | 482-8464                  |          | 526-928  |         | 560-552                                                                           | 483-0041                  |          | 528-716  |         | 482-7455                                                                            |          | 448-7940                                                                            | 482-9142                  | 914-1649 |          | 908-7463                                                                            |          |          |                                                                                     |                                                                                     |                                                                                     | 546-6102 482-9726         |
| M2.5 x 8mm  |                                                                                   |                           |          | 914-1567 |         | 908-7643                                                                          |                           |          | 914-1481 |         |                                                                                     |          |                                                                                     |                           |          |          | 908-7472                                                                            |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M2.5 x 10mm | 908-7582                                                                          |                           |          | 914-1576 |         | 908-7652                                                                          |                           |          | 797-6190 |         |                                                                                     |          | 908-7356                                                                            |                           |          |          | 908-7475                                                                            |          |          |                                                                                     |                                                                                     |                                                                                     | 546-6118 482-9732         |
| M2.5 x 12mm |                                                                                   | 482-8470                  |          | 526-934  |         | 560-568                                                                           | 483-0057                  |          | 528-722  |         | 482-7887                                                                            |          |                                                                                     | 482-9158                  |          |          | 908-7479                                                                            |          |          |                                                                                     |                                                                                     |                                                                                     | 546-6124 482-7708         |
| M2.5 x 16mm |                                                                                   |                           |          | 130-606  |         | 908-7655                                                                          | 483-0063                  |          | 914-1484 |         |                                                                                     |          |                                                                                     | 482-9164                  |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M2.5 x 20mm | 560-748                                                                           | 482-8492                  |          | 914-1579 |         | 560-574                                                                           | 483-0079                  |          | 914-1488 |         |                                                                                     |          |                                                                                     | 482-9170                  |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     | 546-6146 482-9748         |
| M2.5 x 25mm |                                                                                   | 482-8509                  |          |          |         |                                                                                   | 483-0085                  |          |          |         |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M3 x 4mm    |                                                                                   |                           |          |          |         | 908-7659                                                                          |                           |          |          |         |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M3 x 5mm    |                                                                                   |                           |          | 914-1573 |         | 908-7668                                                                          |                           |          | 914-1497 |         |                                                                                     |          |                                                                                     |                           | 914-1642 |          |                                                                                     | 914-1765 |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M3 x 6mm    | 560-754                                                                           | 482-8515                  | 483-1381 | 526-940  | 189-298 | 560-580                                                                           | 483-0091                  | 483-0934 | 528-738  | 190-428 | 482-7893                                                                            | 262-5847 | 553-841                                                                             | 482-9186                  | 527-151  | 158-3332 | 553-396                                                                             | 528-946  | 158-3562 | 482-7691                                                                            |                                                                                     |                                                                                     | 546-6152 482-9754         |
| M3 x 8mm    | 908-7586                                                                          |                           |          | 914-1582 | 189-305 | 908-7661                                                                          |                           |          | 797-6193 | 190-434 |                                                                                     |          | 908-7368                                                                            |                           | 914-1646 | 914-1863 | 908-7481                                                                            | 914-1769 | 914-1942 |                                                                                     |                                                                                     |                                                                                     | 908-7744                  |
| M3 x 10mm   | 560-760                                                                           |                           |          | 526-956  | 189-311 | 560-596                                                                           |                           | 483-0940 | 528-744  | 190-440 |                                                                                     |          | 908-7362                                                                            |                           |          | 914-1866 | 908-7485                                                                            | 914-1778 | 914-1945 |                                                                                     |                                                                                     |                                                                                     | 546-6168 482-9760         |
| M3 x 12mm   | 560-776                                                                           | 482-8521                  | 483-1397 | 526-962  | 189-327 | 560-603                                                                           | 483-0108                  | 483-0962 | 528-750  | 190-456 | 482-7900                                                                            | 262-5853 | 553-857                                                                             | 482-9192                  | 527-167  | 158-3348 | 553-403                                                                             | 528-952  | 158-3578 | 482-9518                                                                            | 262-5651                                                                            | 546-6174                                                                            |                           |
| M3 x 16mm   | 560-782                                                                           | 482-8537                  |          | 526-978  | 189-333 | 560-619                                                                           | 483-0114                  |          | 528-766  | 190-462 |                                                                                     |          | 908-7371                                                                            | 482-9209                  |          | 158-3354 | 908-7494                                                                            | 914-1771 | 158-3584 | 482-9524                                                                            |                                                                                     |                                                                                     | 546-6180 482-9782         |
| M3 x 20mm   | 560-798                                                                           | 482-8543                  | 483-1410 | 526-984  |         | 560-625                                                                           | 483-0120                  |          | 528-772  | 190-478 | 482-7916                                                                            |          | 553-863                                                                             | 482-9215                  | 914-1655 | 158-3360 | 553-419                                                                             | 528-968  | 158-3590 |                                                                                     |                                                                                     |                                                                                     | 546-6196                  |
| M3 x 25mm   | 560-805                                                                           |                           |          | 130-612  |         | 560-631                                                                           | 483-0136                  |          | 914-1490 |         |                                                                                     |          | 908-7374                                                                            |                           |          |          |                                                                                     | 914-1775 |          |                                                                                     |                                                                                     |                                                                                     | 546-6203 482-9811         |
| M3 x 30mm   |                                                                                   | 482-8571                  | 483-1432 | 130-628  |         | 560-647                                                                           | 483-0142                  |          | 914-1494 |         |                                                                                     |          |                                                                                     | 482-9221                  | 914-1658 |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |

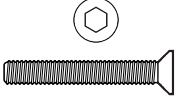
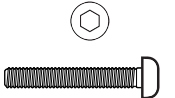
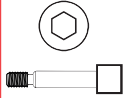
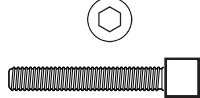
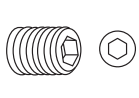
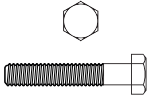
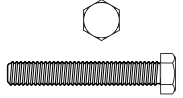
|             | Pan Head Slotted<br>DIN 85                                                        |                           |          |          |         | Pan Head Cross Recess<br>DIN 7985                                                  |                           |          |          |          | Pan Head Torx<br>DIN 7985T                                                          |          | Csk Head Slotted<br>DIN 963                                                         |                           |          |          | Csk Head Cross Recess<br>DIN 965                                                    |          |          | Csk Raised<br>Head Slotted<br>DIN 964                                               | Csk Head<br>Torx<br>DIN 965T                                                        | Cheese Head<br>Slotted<br>DIN 84                                                    |                           |
|-------------|-----------------------------------------------------------------------------------|---------------------------|----------|----------|---------|------------------------------------------------------------------------------------|---------------------------|----------|----------|----------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|---------------------------|----------|----------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|
|             |  |                           |          |          |         |  |                           |          |          |          |  |          |  |                           |          |          |  |          |          |  |  |  |                           |
|             | BZP                                                                               | Nickel<br>Plated<br>Brass | Brass    | A2       | A4      | BZP                                                                                | Nickel<br>Plated<br>Brass | Black ZP | A2       | A4       | BZP                                                                                 | A2       | BZP                                                                                 | Nickel<br>Plated<br>Brass | A2       | A4       | BZP                                                                                 | A2       | A4       | Nickel Plated<br>Brass                                                              | A2                                                                                  | BZP                                                                                 | Nickel<br>Plated<br>Brass |
| M3.5 x 6mm  |                                                                                   | 482-8587                  |          |          |         |                                                                                    |                           |          | 914-1504 |          |                                                                                     |          |                                                                                     | 482-9237                  |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M3.5 x 8mm  |                                                                                   |                           |          |          |         | 908-7665                                                                           |                           |          | 914-1507 |          |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M3.5 x 10mm |                                                                                   |                           |          |          |         | 908-7674                                                                           |                           |          |          |          |                                                                                     |          | 908-7387                                                                            |                           |          |          |                                                                                     |          |          |                                                                                     |                                                                                     | 908-7753                                                                            |                           |
| M3.5 x 12mm | 560-827                                                                           | 482-8593                  |          |          |         | 560-653                                                                            |                           |          | 528-788  |          |                                                                                     |          | 908-7380                                                                            | 482-9243                  |          |          | 908-7491                                                                            |          |          | 482-9530                                                                            |                                                                                     | 908-7756                                                                            |                           |
| M3.5 x 16mm | 908-7595                                                                          |                           |          |          |         | 908-7677                                                                           |                           |          |          |          |                                                                                     |          | 908-7384                                                                            |                           |          |          |                                                                                     |          |          | 482-9546                                                                            |                                                                                     |                                                                                     |                           |
| M3.5 x 20mm |                                                                                   |                           |          |          |         | 560-669                                                                            |                           |          | 528-794  |          |                                                                                     |          | 908-7393                                                                            |                           |          |          |                                                                                     |          |          | 482-9552                                                                            |                                                                                     |                                                                                     |                           |
| M3.5 x 25mm |                                                                                   |                           |          |          |         | 908-7671                                                                           |                           |          |          |          |                                                                                     |          | 908-7396                                                                            |                           |          |          |                                                                                     |          |          | 482-9568                                                                            |                                                                                     |                                                                                     |                           |
| M3.5 x 30mm |                                                                                   |                           |          |          |         | 908-7680                                                                           |                           |          |          |          |                                                                                     |          |                                                                                     | 482-9265                  |          |          |                                                                                     |          |          | 482-9580                                                                            |                                                                                     |                                                                                     |                           |
| M3.5 x 50mm |                                                                                   |                           |          |          |         |                                                                                    |                           |          |          |          |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          | 482-9619                                                                            |                                                                                     |                                                                                     |                           |
| M3.5 x 60mm |                                                                                   |                           |          |          |         |                                                                                    |                           |          |          |          |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          | 482-9625                                                                            |                                                                                     |                                                                                     |                           |
| M3.5 x 70mm |                                                                                   |                           |          |          |         |                                                                                    |                           |          |          |          |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          | 482-9647                                                                            |                                                                                     |                                                                                     |                           |
| M4 x 5mm    |                                                                                   |                           |          |          |         | 908-7683                                                                           |                           |          |          |          |                                                                                     |          |                                                                                     |                           |          |          | 914-1784                                                                            |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M4 x 6mm    | 560-849                                                                           |                           | 483-1505 | 527-016  | 189-355 | 560-675                                                                            |                           | 483-0978 | 528-801  | 914-1848 |                                                                                     | 262-5910 | 908-7390                                                                            | 482-9271                  |          | 158-3376 |                                                                                     | 158-3607 |          |                                                                                     | 262-5718                                                                            | 546-6219                                                                            |                           |
| M4 x 8mm    | 908-7598                                                                          |                           |          | 914-1585 | 189-361 | 908-7687                                                                           |                           |          | 797-6197 | 190-484  |                                                                                     |          | 908-7400                                                                            |                           | 914-1661 |          | 908-7508                                                                            | 914-1787 |          | 482-9653                                                                            |                                                                                     | 908-7750                                                                            |                           |
| M4 x 10mm   | 560-855                                                                           |                           |          | 527-022  | 189-377 | 560-681                                                                            |                           | 483-0984 | 528-817  | 190-490  |                                                                                     |          | 908-7403                                                                            |                           | 914-1664 | 914-1860 | 908-7517                                                                            |          | 914-1949 |                                                                                     |                                                                                     | 546-6225                                                                            | 482-9833                  |
| M4 x 12mm   | 560-861                                                                           | 482-8650                  | 483-1511 | 527-038  | 189-383 | 560-697                                                                            | 483-0164                  | 483-0990 | 528-823  | 190-507  | 482-7950                                                                            | 262-5926 | 553-879                                                                             | 482-9287                  | 527-189  | 158-3382 | 553-425                                                                             | 528-974  | 158-3613 |                                                                                     |                                                                                     | 546-6231                                                                            |                           |
| M4 x 16mm   | 560-007                                                                           | 482-8666                  | 483-1533 | 527-044  | 189-399 | 553-554                                                                            | 483-0186                  |          | 528-839  | 190-513  |                                                                                     |          | 553-885                                                                             |                           | 527-195  | 158-3405 | 553-431                                                                             | 528-980  | 158-3629 |                                                                                     | 262-5746                                                                            | 546-6247                                                                            | 482-9861                  |
| M4 x 20mm   | 560-013                                                                           | 482-8672                  | 483-1549 | 527-050  | 189-406 | 553-560                                                                            |                           |          | 528-845  | 190-529  | 482-7966                                                                            |          | 553-891                                                                             |                           | 527-202  | 158-3411 | 553-447                                                                             | 528-996  | 158-3635 | 482-9681                                                                            |                                                                                     | 546-6253                                                                            |                           |
| M4 x 25mm   | 560-029                                                                           | 482-8688                  | 483-1555 | 527-066  | 189-412 | 553-576                                                                            | 483-0209                  |          | 528-851  | 190-535  |                                                                                     |          | 553-908                                                                             | 482-9316                  |          | 158-3427 | 553-453                                                                             | 914-1781 | 158-3641 |                                                                                     |                                                                                     | 546-6269                                                                            |                           |
| M4 x 30mm   | 560-035                                                                           | 482-8694                  | 483-1561 | 130-634  | 189-428 | 553-582                                                                            | 483-0215                  |          | 797-6207 |          |                                                                                     |          | 908-7407                                                                            | 482-9322                  |          | 914-1879 | 908-7510                                                                            | 914-1790 |          |                                                                                     |                                                                                     | 546-6275                                                                            | 482-9899                  |
| M4 x 35mm   |                                                                                   |                           |          |          |         | 908-7696                                                                           |                           |          | 914-1501 |          |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          |                                                                                     |                                                                                     | 908-7769                                                                            |                           |
| M4 x 40mm   | 560-041                                                                           | 482-8701                  |          | 130-640  |         | 553-598                                                                            |                           |          | 797-6200 |          |                                                                                     |          | 908-7416                                                                            | 482-9338                  | 914-1668 |          | 908-7514                                                                            | 914-1793 |          |                                                                                     |                                                                                     | 908-7762                                                                            |                           |
| M4 x 50mm   | 290-073                                                                           |                           | 483-1577 | 130-656  |         | 908-7699                                                                           |                           |          |          |          |                                                                                     |          | 908-7419                                                                            |                           |          |          | 908-7523                                                                            |          |          |                                                                                     |                                                                                     | 908-7766                                                                            |                           |
| M5 x 6mm    | 908-7592                                                                          | 482-8723                  |          | 914-1589 |         | 908-7693                                                                           | 483-0243                  |          | 914-1510 |          |                                                                                     |          |                                                                                     | 482-9344                  |          |          | 908-7526                                                                            |          |          |                                                                                     |                                                                                     | 908-7775                                                                            |                           |
| M5 x 8mm    | 908-7602                                                                          |                           |          |          | 189-434 | 908-7703                                                                           |                           |          | 797-6204 | 914-1857 |                                                                                     |          |                                                                                     |                           | 914-1677 |          | 908-7520                                                                            | 914-1797 |          |                                                                                     |                                                                                     | 908-7778                                                                            |                           |
| M5 x 10mm   | 560-057                                                                           |                           |          | 914-1598 | 189-440 | 553-605                                                                            |                           | 483-1000 | 797-6213 | 190-541  |                                                                                     |          | 908-7413                                                                            |                           | 914-1670 | 914-1872 | 908-7539                                                                            | 914-1807 | 914-1958 |                                                                                     |                                                                                     | 546-6304                                                                            | 482-9928                  |
| M5 x 12mm   | 560-063                                                                           | 482-8739                  | 483-1599 | 527-072  | 189-456 | 553-611                                                                            | 483-0259                  | 483-1016 | 528-867  | 190-557  | 482-7972                                                                            | 262-5960 | 553-914                                                                             | 482-9366                  | 527-280  | 158-3433 | 553-469                                                                             | 529-006  | 158-3657 |                                                                                     | 262-5768                                                                            | 546-6310                                                                            |                           |
| M5 x 16mm   | 560-079                                                                           | 482-8745                  |          | 527-088  | 189-462 | 553-627                                                                            | 483-0265                  | 483-1038 | 528-873  | 190-563  |                                                                                     |          | 553-920                                                                             |                           | 914-1674 | 158-3449 | 553-475                                                                             |          | 158-3663 |                                                                                     | 262-5774                                                                            | 546-6326                                                                            | 482-9940                  |
| M5 x 20mm   | 560-085                                                                           | 482-8751                  |          | 527-094  | 189-478 | 553-633                                                                            | 483-0271                  |          | 528-889  | 190-579  | 482-7988                                                                            |          | 553-936                                                                             | 482-9388                  | 527-296  | 158-3461 | 553-481                                                                             | 529-012  | 158-3685 |                                                                                     |                                                                                     | 546-6332                                                                            | 482-9956                  |
| M5 x 25mm   | 560-091                                                                           |                           | 483-1628 | 527-101  | 189-484 | 553-649                                                                            | 483-0287                  |          | 528-895  | 914-1850 |                                                                                     |          | 553-942                                                                             |                           | 527-303  | 914-1876 | 553-497                                                                             | 529-028  | 914-1951 |                                                                                     | 262-5796                                                                            | 546-6348                                                                            |                           |
| M5 x 30mm   | 908-7605                                                                          | 482-8773                  | 483-1634 | 130-662  | 189-490 | 908-7706                                                                           | 483-0293                  |          | 797-6216 |          |                                                                                     |          | 908-7422                                                                            |                           |          | 158-3483 | 908-7532                                                                            |          | 158-3708 |                                                                                     |                                                                                     | 908-7772                                                                            |                           |
| M5 x 35mm   | 908-7609                                                                          |                           |          | 914-1591 |         | 908-7700                                                                           |                           |          | 797-6210 |          |                                                                                     |          |                                                                                     |                           | 914-1686 | 914-1885 | 908-7536                                                                            | 914-1800 |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M5 x 40mm   | 560-108                                                                           | 482-8795                  |          | 130-678  |         | 553-655                                                                            |                           |          | 914-1513 |          |                                                                                     |          | 908-7429                                                                            |                           |          | 914-1888 | 908-7545                                                                            | 914-1804 |          |                                                                                     |                                                                                     | 908-7784                                                                            |                           |
| M5 x 45mm   |                                                                                   |                           |          | 914-1595 |         |                                                                                    |                           |          |          |          |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |

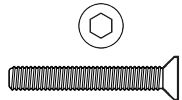
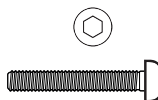
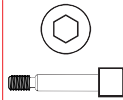
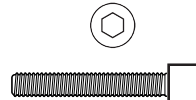
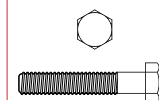
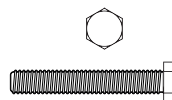
|           | Pan Head Slotted<br>DIN 85                                                        |                           |          |          |          | Pan Head Cross Recess<br>DIN 7985                                                 |                           |          |          |         | Pan Head Torx<br>DIN 7985T                                                          |          | Csk Head Slotted<br>DIN 963                                                         |                           |          |          | Csk Head Cross Recess<br>DIN 965                                                    |          |          | Csk Raised<br>Head Slotted<br>DIN 964                                               | Csk Head<br>Torx<br>DIN 965T                                                        | Cheese Head<br>Slotted<br>DIN 84                                                    |                           |
|-----------|-----------------------------------------------------------------------------------|---------------------------|----------|----------|----------|-----------------------------------------------------------------------------------|---------------------------|----------|----------|---------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|---------------------------|----------|----------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------|
|           |  |                           |          |          |          |  |                           |          |          |         |  |          |  |                           |          |          |  |          |          |  |  |  |                           |
|           | BZP                                                                               | Nickel<br>Plated<br>Brass | Brass    | A2       | A4       | BZP                                                                               | Nickel<br>Plated<br>Brass | Black ZP | A2       | A4      | BZP                                                                                 | A2       | BZP                                                                                 | Nickel<br>Plated<br>Brass | A2       | A4       | BZP                                                                                 | A2       | A4       | Nickel Plated<br>Brass                                                              | A2                                                                                  | BZP                                                                                 | Nickel<br>Plated<br>Brass |
| M5 x 50mm | 290-089                                                                           | 482-8802                  | 483-1640 | 130-684  |          | 908-7719                                                                          |                           |          | 914-1526 |         |                                                                                     |          | 908-7438                                                                            |                           | 914-1680 | 914-1882 | 908-7548                                                                            | 914-1813 |          |                                                                                     |                                                                                     | 908-7788                                                                            |                           |
| M5 x 60mm |                                                                                   |                           |          | 914-1605 |          |                                                                                   |                           |          |          |         |                                                                                     |          |                                                                                     |                           | 914-1699 | 914-1891 |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M5 x 75mm |                                                                                   |                           |          | 914-1608 |          |                                                                                   |                           |          |          |         |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M6 x 8mm  |                                                                                   |                           |          |          |          |                                                                                   |                           |          | 914-1529 |         |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M6 x 10mm | 560-114                                                                           |                           |          | 914-1602 | 189-507  | 553-661                                                                           |                           |          | 914-1523 | 190-585 |                                                                                     |          | 908-7431                                                                            |                           |          | 914-1894 | 908-7542                                                                            | 914-1816 | 914-1955 |                                                                                     |                                                                                     | 908-7797                                                                            |                           |
| M6 x 12mm | 560-120                                                                           | 516-8280                  | 483-1656 | 527-117  | 189-513  | 553-677                                                                           |                           | 483-1044 |          | 190-591 |                                                                                     |          | 553-958                                                                             | 482-9445                  |          | 914-1898 | 553-504                                                                             | 529-034  | 158-3714 |                                                                                     |                                                                                     | 546-6360                                                                            | 482-9978                  |
| M6 x 16mm | 560-136                                                                           | 482-8824                  | 483-1662 | 527-123  | 189-529  | 553-683                                                                           |                           | 483-1050 | 528-918  | 190-608 |                                                                                     |          | 546-1589                                                                            |                           | 914-1696 | 158-3506 | 553-510                                                                             | 914-1810 | 158-3720 |                                                                                     | 262-5819                                                                            | 546-6376                                                                            |                           |
| M6 x 20mm | 560-142                                                                           | 482-8830                  | 483-1678 | 527-139  | 189-535  | 553-699                                                                           |                           | 483-1066 | 528-924  | 190-614 | 482-8026                                                                            | 262-6036 | 553-970                                                                             |                           |          | 158-3528 | 553-526                                                                             | 529-040  | 158-3742 |                                                                                     |                                                                                     | 546-6382                                                                            |                           |
| M6 x 25mm | 560-158                                                                           | 482-8852                  | 483-1690 | 527-145  | 189-541  | 553-706                                                                           |                           |          | 528-930  | 190-620 | 482-8032                                                                            | 262-6042 | 546-1595                                                                            | 482-9473                  | 527-331  | 158-3534 | 553-532                                                                             | 529-056  | 158-3758 |                                                                                     | 262-5831                                                                            | 546-6398                                                                            |                           |
| M6 x 30mm | 908-7618                                                                          | 482-8868                  | 483-1707 | 130-690  | 189-557  | 908-7712                                                                          |                           |          | 914-1532 | 190-636 |                                                                                     |          | 908-7435                                                                            |                           | 914-1706 | 158-3540 | 908-7551                                                                            | 914-1829 | 158-3764 |                                                                                     |                                                                                     | 546-6405                                                                            |                           |
| M6 x 35mm | 908-7611                                                                          |                           |          | 914-1611 |          |                                                                                   |                           |          | 914-1535 |         |                                                                                     |          | 908-7444                                                                            |                           | 914-1709 |          |                                                                                     | 914-1822 |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M6 x 40mm | 560-164                                                                           | 482-8874                  |          | 130-707  |          | 553-712                                                                           |                           |          | 914-1539 |         |                                                                                     |          | 553-992                                                                             | 482-9495                  | 914-1703 |          | 553-548                                                                             | 914-1826 | 158-3770 |                                                                                     |                                                                                     | 908-7790                                                                            |                           |
| M6 x 45mm |                                                                                   |                           |          |          |          |                                                                                   |                           |          |          |         |                                                                                     |          |                                                                                     |                           |          | 914-1908 |                                                                                     | 914-1835 |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M6 x 50mm | 290-095                                                                           |                           |          | 130-713  |          |                                                                                   |                           |          | 914-1548 |         |                                                                                     |          | 908-7447                                                                            |                           | 914-1712 |          | 908-7558                                                                            | 914-1838 |          |                                                                                     |                                                                                     | 908-7794                                                                            |                           |
| M6 x 60mm |                                                                                   |                           |          | 130-729  |          |                                                                                   |                           |          | 914-1541 |         |                                                                                     |          | 908-7441                                                                            |                           | 914-1715 |          | 908-7567                                                                            |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M6 x 70mm |                                                                                   |                           |          | 914-1614 |          |                                                                                   |                           |          |          |         |                                                                                     |          |                                                                                     |                           | 914-1719 |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M6 x 75mm |                                                                                   |                           |          |          |          |                                                                                   |                           |          |          |         |                                                                                     |          |                                                                                     |                           | 914-1728 |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M6 x 80mm |                                                                                   |                           |          |          |          |                                                                                   |                           |          |          |         |                                                                                     |          |                                                                                     |                           |          | 914-1917 |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M8 x 12mm |                                                                                   |                           |          | 914-1618 |          |                                                                                   |                           |          | 914-1545 |         |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M8 x 16mm | 908-7615                                                                          |                           |          |          |          | 908-7725                                                                          |                           |          |          |         |                                                                                     |          |                                                                                     |                           | 914-1721 |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M8 x 20mm | 908-7624                                                                          |                           |          | 130-757  |          | 908-7728                                                                          |                           |          | 914-1557 |         |                                                                                     |          | 908-7450                                                                            |                           | 914-1725 | 914-1911 | 908-7560                                                                            |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M8 x 25mm |                                                                                   |                           |          | 914-1627 | 914-1854 | 908-7722                                                                          |                           |          | 914-1551 |         |                                                                                     |          | 908-7453                                                                            |                           | 914-1734 | 914-1920 |                                                                                     | 914-1832 |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M8 x 30mm |                                                                                   |                           |          | 130-779  |          | 908-7731                                                                          |                           |          |          |         |                                                                                     |          | 908-7457                                                                            |                           | 914-1737 |          | 908-7573                                                                            | 914-1841 |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M8 x 35mm | 908-7576                                                                          |                           |          |          |          |                                                                                   |                           |          |          |         |                                                                                     |          |                                                                                     |                           | 914-1731 |          | 908-7576                                                                            |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M8 x 40mm | 908-7630                                                                          |                           |          | 130-791  |          | 908-7734                                                                          |                           |          |          |         |                                                                                     |          | 908-7466                                                                            |                           | 914-1740 | 914-1927 | 908-7570                                                                            | 914-1844 |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M8 x 45mm |                                                                                   |                           |          |          |          |                                                                                   |                           |          |          |         |                                                                                     |          |                                                                                     |                           |          |          |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M8 x 50mm | 908-7633                                                                          |                           |          | 130-814  |          | 908-7738                                                                          |                           |          |          |         |                                                                                     |          | 908-7469                                                                            |                           | 914-1743 | 914-1939 | 908-7589                                                                            |          |          |                                                                                     |                                                                                     |                                                                                     |                           |
| M8 x 60mm |                                                                                   |                           |          |          |          |                                                                                   |                           |          |          |         |                                                                                     |          |                                                                                     |                           | 914-1747 | 914-1933 |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                           |

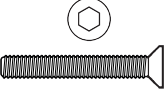
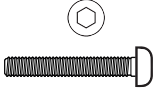
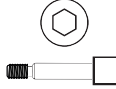
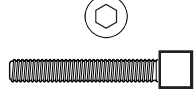
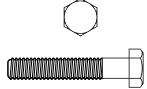
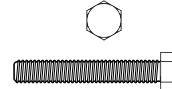
|           | Pan Head Cross Recess Sems Screw<br>External Shake Proof Washer                   | Pan Head Cross Recess Sems Screw<br>Plain Flat Washer                               | Pan Head Cross Recess Sems Screw<br>Spring Washer                                   |
|-----------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|           |  |  |  |
|           | BZP                                                                               | BZP                                                                                 | BZP                                                                                 |
| M3 x 6mm  | 278-641                                                                           | 278-821                                                                             | 279-149                                                                             |
| M3 x 12mm | 278-657                                                                           | 278-837                                                                             | 279-155                                                                             |
| M4 x 6mm  | 278-685                                                                           | 278-865                                                                             | 279-183                                                                             |
| M4 x 12mm | 278-691                                                                           | 278-871                                                                             | 279-199                                                                             |
| M4 x 16mm | 278-708                                                                           |                                                                                     |                                                                                     |
| M5 x 10mm | 278-736                                                                           | 278-916                                                                             | 279-234                                                                             |
| M5 x 16mm | 278-742                                                                           | 278-922                                                                             | 279-240                                                                             |
| M6 x 12mm | 278-770                                                                           | 278-950                                                                             | 279-278                                                                             |
| M6 x 16mm | 278-786                                                                           | 278-966                                                                             | 279-284                                                                             |
| M6 x 20mm |                                                                                   | 278-972                                                                             |                                                                                     |

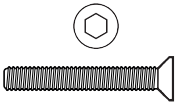
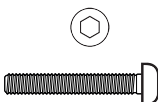
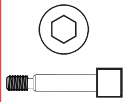
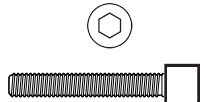
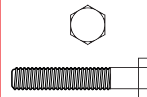
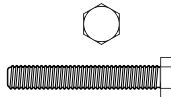


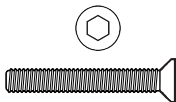
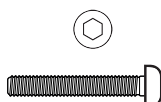
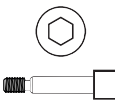
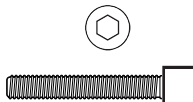
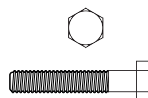
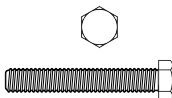
|             | Hex Socket Csk Screw                                                              |                      |          |          | Hex Socket Button Screw<br>ISO 7380                                               |                      |          |          | Hex Socket<br>Shoulder<br>Screw<br>ISO 7379                                        | Hex Socket Cap Screw<br>DIN 912                                                     |                      |          |          |          | Grub Screw /<br>Socket Set Screw<br>DIN 916                                         |          |          | Hex Head Bolt<br>DIN 931                                                            |          | Hex Head Set Screw<br>DIN 933                                                       |         |          |    |
|-------------|-----------------------------------------------------------------------------------|----------------------|----------|----------|-----------------------------------------------------------------------------------|----------------------|----------|----------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|----------|----------|----------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|---------|----------|----|
|             |  |                      |          |          |  |                      |          |          |  |  |                      |          |          |          |  |          |          |  |          |  |         |          |    |
|             | BZP                                                                               | Black Self<br>Colour | A2       | A4       | BZP                                                                               | Black Self<br>Colour | A2       | A4       | Black Self Colour                                                                  | BZP                                                                                 | Black Self<br>Colour | A2       | A4       | Titanium | Black Self<br>Colour                                                                | A2       | A4       | BZP                                                                                 | A2       | BZP                                                                                 | Brass   | A2       | A4 |
| M2 x 3mm    |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     |                      |          |          |          | 431-965                                                                             |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M2 x 4mm    |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     | 293-274              |          |          |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M2 x 6mm    |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     | 293-280              |          |          |          | 432-637                                                                             |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M2 x 12mm   |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     | 293-296              |          |          |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M2.5 x 3mm  |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     |                      |          |          |          | 431-993                                                                             |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M2.5 x 4mm  |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     | 293-303              |          |          |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M2.5 x 6mm  |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    | 483-8124                                                                            | 281-647              |          |          |          | 432-637                                                                             |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M2.5 x 12mm |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    | 483-8130                                                                            | 281-653              |          |          |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M3 x 3mm    |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     |                      |          |          |          | 529-905                                                                             | 137-714  | 187-0670 |                                                                                     |          |                                                                                     |         |          |    |
| M3 x 5mm    |                                                                                   |                      |          |          |                                                                                   | 822-9094             |          |          |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M3 x 6mm    |                                                                                   | 281-372              |          | 304-4788 | 822-9155                                                                          | 822-9098             |          |          |                                                                                    | 483-8146                                                                            | 467-9773             | 280-981  | 187-1207 |          | 529-911                                                                             | 137-720  | 187-0686 |                                                                                     |          |                                                                                     |         |          |    |
| M3 x 8mm    | 483-9751                                                                          | 281-388              |          | 304-4918 | 483-9543                                                                          | 281-186              | 183-8597 | 232-8142 |                                                                                    | 483-8168                                                                            | 467-9789             | 280-997  | 187-1213 |          |                                                                                     | 124-7389 |          |                                                                                     |          |                                                                                     |         |          |    |
| M3 x 10mm   | 483-9773                                                                          | 281-394              | 171-792  |          | 483-9559                                                                          | 281-192              | 183-8604 | 232-8158 |                                                                                    | 483-8174                                                                            | 467-9795             | 797-6266 | 660-4636 |          | 124-7376                                                                            |          | 187-0692 |                                                                                     |          |                                                                                     |         |          |    |
| M3 x 12mm   | 483-9767                                                                          | 281-401              | 171-809  |          | 483-9565                                                                          | 281-209              | 183-8610 | 232-8164 |                                                                                    | 491-5209                                                                            | 467-9802             | 281-007  | 187-1229 |          | 529-927                                                                             | 137-736  |          |                                                                                     |          |                                                                                     |         |          |    |
| M3 x 15mm   |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     | 822-9063             |          |          |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M3 x 16mm   |                                                                                   | 292-423              |          |          |                                                                                   |                      |          |          |                                                                                    | 483-8180                                                                            | 467-9818             | 281-013  | 187-1235 |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M3 x 20mm   |                                                                                   | 292-439              |          |          |                                                                                   |                      |          |          |                                                                                    | 483-8196                                                                            | 467-9824             | 293-319  | 304-4429 |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M3 x 25mm   |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     | 467-9830             | 293-325  | 304-4435 |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M3 x 30mm   |                                                                                   | 124-7190             |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     | 467-9846             | 293-331  | 304-4615 |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M3 x 40mm   |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     | 822-9060             |          |          |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |         |          |    |
| M4 x 4mm    |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     |                      |          |          |          | 529-933                                                                             | 137-742  | 187-0709 |                                                                                     |          |                                                                                     |         |          |    |
| M4 x 6mm    |                                                                                   |                      |          |          | 822-9164                                                                          | 822-9307             |          |          |                                                                                    | 822-9322                                                                            | 822-9079             |          |          |          | 529-949                                                                             | 137-758  | 187-0715 |                                                                                     |          | 525-773                                                                             |         |          |    |
| M4 x 8mm    | 483-9789                                                                          | 281-417              | 124-7216 |          | 483-9571                                                                          | 281-215              | 183-8626 | 232-8170 |                                                                                    | 491-5215                                                                            | 467-9852             | 281-029  | 187-1241 |          | 124-7376                                                                            | 124-7390 |          |                                                                                     |          |                                                                                     |         | 263-2104 |    |
| M4 x 10mm   | 483-9795                                                                          | 281-423              | 171-815  | 232-8388 | 483-9587                                                                          | 281-221              | 183-8632 | 232-8186 |                                                                                    | 483-8203                                                                            | 467-9874             | 797-6260 | 660-4639 | 227-8227 | 124-7378                                                                            | 124-7391 |          |                                                                                     | 525-789  |                                                                                     | 520-009 | 263-2110 |    |
| M4 x 12mm   | 483-9802                                                                          | 281-439              | 171-821  | 232-8394 | 483-9593                                                                          | 281-237              | 183-8648 | 232-8209 |                                                                                    | 491-5221                                                                            | 467-9880             | 281-035  | 187-1257 |          | 529-955                                                                             | 137-764  | 187-0721 |                                                                                     | 525-795  |                                                                                     | 520-015 | 263-2126 |    |
| M4 x 16mm   | 483-9818                                                                          | 281-445              | 171-837  | 232-8401 | 483-9600                                                                          | 281-243              | 183-8654 | 232-8215 |                                                                                    | 483-8225                                                                            | 467-9896             | 281-041  | 187-1263 |          |                                                                                     |          |          |                                                                                     | 525-802  |                                                                                     | 520-021 | 263-2132 |    |
| M4 x 20mm   | 491-5085                                                                          | 292-445              | 124-7217 | 304-4895 | 822-9167                                                                          | 822-9108             |          |          |                                                                                    | 483-8231                                                                            | 467-9903             | 290-102  | 187-1279 | 227-6849 |                                                                                     |          |          |                                                                                     | 527-410  |                                                                                     | 520-037 | 263-2148 |    |
| M4 x 25mm   | 491-5091                                                                          | 292-451              | 124-7218 |          | 822-9161                                                                          | 822-9101             |          |          |                                                                                    | 491-5237                                                                            | 467-9919             | 281-057  | 187-1285 |          |                                                                                     |          |          |                                                                                     | 527-426  |                                                                                     | 520-043 | 263-2154 |    |
| M4 x 30mm   | 491-5108                                                                          |                      |          |          |                                                                                   |                      |          |          |                                                                                    | 483-8247                                                                            | 467-9931             | 290-118  | 187-1308 | 227-8249 |                                                                                     |          |          |                                                                                     | 917-2804 |                                                                                     |         |          |    |
| M4 x 35mm   |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     | 822-9072             | 124-7349 |          |          |                                                                                     |          |          |                                                                                     | 917-2808 |                                                                                     |         |          |    |
| M4 x 40mm   |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    | 483-8253                                                                            | 467-9947             | 293-347  | 304-4609 |          |                                                                                     |          |          |                                                                                     | 917-2817 |                                                                                     |         |          |    |
| M4 x 50mm   |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     | 822-9076             | 124-7350 | 304-4592 |          |                                                                                     |          |          |                                                                                     | 917-2810 |                                                                                     |         |          |    |
| M5 x 5mm    |                                                                                   |                      |          |          |                                                                                   |                      |          |          |                                                                                    |                                                                                     |                      |          |          |          | 529-961                                                                             | 137-770  | 187-0737 |                                                                                     |          |                                                                                     |         |          |    |
| M5 x 6mm    |                                                                                   |                      |          |          | 822-9170                                                                          | 822-9105             |          |          |                                                                                    | 124-7268                                                                            |                      |          |          |          | 822-9338                                                                            | 124-7392 |          |                                                                                     |          |                                                                                     |         |          |    |
| M5 x 8mm    |                                                                                   |                      |          |          | 822-9173                                                                          | 822-9114             |          |          |                                                                                    | 124-7269                                                                            | 822-9085             | 124-7351 | 660-4633 |          | 529-977                                                                             | 137-786  | 187-0743 |                                                                                     |          | 525-818                                                                             |         |          |    |

|            | Hex Socket Csk Screw                                                              |                   |          |          | Hex Socket Button Screw ISO 7380                                                  |                   |          |          | Hex Socket Shoulder Screw ISO 7379                                                 | Hex Socket Cap Screw DIN 912                                                        |                   |          |          |          | Grub Screw / Socket Set Screw DIN 916                                               |          |          | Hex Head Bolt DIN 931                                                               |          | Hex Head Set Screw DIN 933                                                          |          |          |          |
|------------|-----------------------------------------------------------------------------------|-------------------|----------|----------|-----------------------------------------------------------------------------------|-------------------|----------|----------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|----------|----------|----------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|----------|----------|----------|
|            |  |                   |          |          |  |                   |          |          |  |  |                   |          |          |          |  |          |          |  |          |  |          |          |          |
|            | BZP                                                                               | Black Self Colour | A2       | A4       | BZP                                                                               | Black Self Colour | A2       | A4       | Black Self Colour                                                                  | BZP                                                                                 | Black Self Colour | A2       | A4       | Titanium | Black Self Colour                                                                   | A2       | A4       | BZP                                                                                 | A2       | BZP                                                                                 | Brass    | A2       | A4       |
| M5 x 10mm  | 483-9824                                                                          | 281-451           |          | 304-4889 | 483-9616                                                                          | 281-259           | 183-8660 | 232-8221 | 292-271                                                                            | 483-8269                                                                            | 467-9953          | 281-063  | 304-4586 | 227-6855 | 529-983                                                                             | 137-792  | 187-0759 |                                                                                     |          | 917-2814                                                                            | 482-7786 |          | 263-2198 |
| M5 x 12mm  | 483-9830                                                                          | 281-467           | 171-843  | 232-8417 | 483-9622                                                                          | 281-265           | 183-8676 | 232-8237 | 399-161                                                                            | 491-5243                                                                            | 467-9969          | 281-079  | 187-1314 |          | 529-999                                                                             | 137-809  | 187-0765 |                                                                                     |          | 525-824                                                                             |          | 520-065  |          |
| M5 x 16mm  | 483-9846                                                                          | 281-473           |          | 232-8423 | 483-9638                                                                          | 281-271           | 183-8698 | 232-8243 | 399-167                                                                            | 483-9981                                                                            | 467-9975          | 281-085  | 187-1320 |          |                                                                                     | 124-7393 |          |                                                                                     |          | 525-830                                                                             |          | 520-071  | 263-2205 |
| M5 x 20mm  | 483-9852                                                                          | 281-489           | 171-865  | 232-8439 | 483-9644                                                                          | 281-287           | 183-8705 | 232-8265 | 292-287                                                                            | 483-8275                                                                            | 467-9981          | 281-091  | 187-1336 | 227-6861 |                                                                                     |          |          |                                                                                     |          | 525-846                                                                             | 483-2356 | 520-087  | 263-2211 |
| M5 x 25mm  | 491-5114                                                                          | 292-467           |          | 232-8445 | 822-9177                                                                          |                   | 797-6092 | 304-4643 |                                                                                    | 491-5259                                                                            | 467-9997          | 290-124  | 187-1342 |          |                                                                                     |          |          | 917-3084                                                                            |          | 527-432                                                                             |          | 520-093  | 263-2227 |
| M5 x 30mm  | 491-5120                                                                          | 292-473           | 124-7220 | 304-4873 |                                                                                   |                   |          | 304-4659 | 399-177                                                                            | 483-9997                                                                            | 468-0004          | 290-130  | 187-1364 | 227-6883 |                                                                                     |          |          | 917-3087                                                                            |          | 527-448                                                                             |          | 520-100  | 263-2249 |
| M5 x 35mm  |                                                                                   |                   |          |          | 822-9186                                                                          |                   |          |          |                                                                                    | 822-9325                                                                            | 468-0010          | 124-7352 |          |          |                                                                                     |          |          | 917-3081                                                                            |          | 917-2823                                                                            |          |          |          |
| M5 x 40mm  |                                                                                   |                   | 124-7222 |          |                                                                                   |                   |          | 304-4766 |                                                                                    | 483-8281                                                                            | 468-0032          | 293-353  | 187-1370 |          |                                                                                     |          |          | 917-3090                                                                            |          | 917-2826                                                                            |          | 289-001  | 263-2255 |
| M5 x 45mm  |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    | 822-9329                                                                            |                   |          |          |          |                                                                                     |          |          | 917-3093                                                                            |          |                                                                                     |          |          |          |
| M5 x 50mm  |                                                                                   |                   |          |          |                                                                                   |                   |          | 304-4744 |                                                                                    | 483-8297                                                                            | 468-0048          | 293-369  | 304-4570 |          |                                                                                     |          |          | 917-3097                                                                            |          | 917-2820                                                                            |          |          |          |
| M5 x 60mm  |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   | 124-7353 | 304-4564 |          |                                                                                     |          |          |                                                                                     |          | 917-2839                                                                            |          |          |          |
| M6 x 6mm   |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   |          |          |          | 530-006                                                                             | 137-815  | 187-0771 |                                                                                     |          |                                                                                     |          |          |          |
| M6 x 8mm   |                                                                                   |                   |          |          | 822-9189                                                                          | 822-9117          |          |          |                                                                                    | 124-7270                                                                            |                   |          |          |          | 530-012                                                                             | 137-821  | 187-0793 |                                                                                     |          |                                                                                     |          |          |          |
| M6 x 10mm  | 491-5142                                                                          | 281-495           | 124-7223 |          | 822-9183                                                                          | 822-9111          | 797-6096 |          |                                                                                    | 483-8304                                                                            | 468-0054          | 797-6279 | 660-4642 | 227-6906 | 281-669                                                                             | 124-7394 |          |                                                                                     |          | 525-852                                                                             |          | 520-116  | 190-147  |
| M6 x 12mm  | 483-9868                                                                          | 124-7191          |          | 232-8451 | 483-9650                                                                          | 281-293           | 183-8711 | 232-8271 | 399-173                                                                            | 483-8310                                                                            | 468-0060          | 281-108  | 187-1386 |          | 530-028                                                                             | 137-837  | 187-0800 |                                                                                     |          | 917-2832                                                                            |          | 797-6305 | 190-153  |
| M6 x 14mm  |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     | 822-9313          |          |          |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |          |          |          |
| M6 x 15mm  |                                                                                   |                   |          |          |                                                                                   | 822-9120          |          |          |                                                                                    |                                                                                     | 822-9088          |          |          |          |                                                                                     |          |          |                                                                                     |          |                                                                                     |          |          |          |
| M6 x 16mm  | 483-9874                                                                          | 281-502           | 171-893  | 232-8467 | 483-9672                                                                          | 281-300           | 183-8727 | 232-8287 | 292-293                                                                            | 483-8326                                                                            | 468-0076          | 281-114  | 187-1392 |          | 530-034                                                                             | 137-843  | 187-0816 |                                                                                     |          | 525-868                                                                             | 483-2362 | 520-122  |          |
| M6 x 20mm  | 483-9896                                                                          | 281-518           | 171-900  | 232-8489 | 483-9688                                                                          | 281-316           | 183-8733 | 232-8293 | 292-300                                                                            | 484-0004                                                                            | 468-0105          | 281-120  | 187-1409 | 227-6912 | 124-7379                                                                            | 124-7395 |          |                                                                                     |          | 525-874                                                                             | 483-2378 | 520-138  | 190-175  |
| M6 x 25mm  | 483-9903                                                                          | 281-524           | 171-916  | 232-8495 | 483-9694                                                                          | 281-322           | 183-8755 | 232-8300 |                                                                                    | 483-8332                                                                            | 468-0082          | 281-136  | 187-1421 |          |                                                                                     |          |          | 917-3107                                                                            | 917-6210 | 525-880                                                                             | 483-2384 | 520-144  | 190-181  |
| M6 x 30mm  | 491-5158                                                                          | 292-489           | 171-922  | 232-8502 | 491-5300                                                                          | 822-9123          | 797-6106 | 304-4738 |                                                                                    | 483-8348                                                                            | 468-0098          | 290-146  | 187-1437 |          | 124-7380                                                                            | 124-7396 |          | 279-537                                                                             | 917-6229 | 527-454                                                                             | 483-2390 | 520-150  | 190-197  |
| M6 x 35mm  | 491-5164                                                                          | 292-495           | 124-7224 |          | 491-5316                                                                          |                   |          |          |                                                                                    | 491-5265                                                                            | 468-0111          | 293-375  | 187-1443 |          |                                                                                     |          |          | 279-543                                                                             | 917-6226 | 917-2836                                                                            |          | 797-6314 | 190-204  |
| M6 x 40mm  | 491-5170                                                                          | 822-9142          | 917-6238 |          | 491-5322                                                                          | 822-9127          | 797-6109 | 304-4722 |                                                                                    | 484-0010                                                                            | 468-0127          | 293-381  | 187-1459 | 227-6940 | 124-7381                                                                            |          |          | 279-559                                                                             | 917-6222 | 527-460                                                                             |          | 520-166  | 190-210  |
| M6 x 45mm  | 124-7169                                                                          |                   |          |          |                                                                                   |                   |          |          |                                                                                    | 124-7271                                                                            | 468-0133          | 293-397  | 660-4645 |          |                                                                                     |          |          | 917-3100                                                                            | 917-6235 | 917-2845                                                                            |          |          | 190-226  |
| M6 x 50mm  | 822-9252                                                                          | 822-9145          |          |          | 822-9192                                                                          | 822-9136          |          | 304-4716 | 124-7266                                                                           | 483-8354                                                                            | 468-0149          | 293-404  | 187-1465 |          |                                                                                     |          |          | 279-565                                                                             |          | 527-476                                                                             |          | 520-172  | 190-232  |
| M6 x 60mm  | 822-9256                                                                          |                   | 124-7226 |          |                                                                                   |                   |          | 304-4700 |                                                                                    | 483-8360                                                                            | 468-0155          | 293-410  | 304-4558 |          |                                                                                     |          |          | 279-571                                                                             |          | 917-2848                                                                            |          | 289-017  |          |
| M6 x 65mm  | 124-7170                                                                          |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   | 124-7354 |          |          |                                                                                     |          |          | 917-3113                                                                            |          | 917-2842                                                                            |          |          |          |
| M6 x 70mm  |                                                                                   |                   | 124-7227 |          |                                                                                   |                   |          |          |                                                                                    | 124-7272                                                                            | 275-018           | 124-7355 |          |          |                                                                                     |          |          | 917-3116                                                                            |          | 917-2851                                                                            |          | 289-023  |          |
| M6 x 75mm  |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   |          |          |          |                                                                                     |          |          | 917-3110                                                                            |          | 917-2854                                                                            |          |          |          |
| M6 x 80mm  |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   |          |          |          |                                                                                     |          |          | 917-3129                                                                            |          | 917-2858                                                                            |          |          |          |
| M6 x 90mm  |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   |          |          |          |                                                                                     |          |          | 917-3122                                                                            |          | 917-2867                                                                            |          |          |          |
| M6 x 100mm |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   |          |          |          |                                                                                     |          |          | 917-3126                                                                            |          | 917-2860                                                                            |          |          |          |
| M8 x 8mm   |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   |          |          |          | 530-040                                                                             | 137-859  | 187-0822 |                                                                                     |          |                                                                                     |          |          |          |
| M8 x 10mm  |                                                                                   |                   |          |          | 822-9195                                                                          | 822-9139          |          |          |                                                                                    | 124-7273                                                                            |                   | 124-7356 |          |          | 281-675                                                                             | 124-7397 |          |                                                                                     |          | 917-2864                                                                            |          | 797-6317 |          |
| M8 x 12mm  | 483-9919                                                                          | 124-7192          |          |          | 483-9701                                                                          | 281-338           | 183-8761 | 232-8322 | 124-7267                                                                           | 124-7274                                                                            | 529-696           | 124-7357 | 124-7371 |          | 530-056                                                                             | 137-865  | 187-0838 |                                                                                     |          | 527-482                                                                             |          | 520-188  | 190-248  |

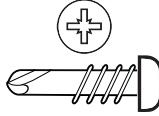
|            | Hex Socket Csk Screw                                                              |                   |          |          | Hex Socket Button Screw ISO 7380                                                  |                   |          |          | Hex Socket Shoulder Screw ISO 7379                                                 | Hex Socket Cap Screw DIN 912                                                        |                   |          |          |          | Grub Screw / Socket Set Screw DIN 916                                               |          |          | Hex Head Bolt DIN 931                                                               |          | Hex Head Set Screw DIN 933                                                          |          |          |         |
|------------|-----------------------------------------------------------------------------------|-------------------|----------|----------|-----------------------------------------------------------------------------------|-------------------|----------|----------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|----------|----------|----------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|----------|----------|---------|
|            |  |                   |          |          |  |                   |          |          |  |  |                   |          |          |          |  |          |          |  |          |  |          |          |         |
|            | BZP                                                                               | Black Self Colour | A2       | A4       | BZP                                                                               | Black Self Colour | A2       | A4       | Black Self Colour                                                                  | BZP                                                                                 | Black Self Colour | A2       | A4       | Titanium | Black Self Colour                                                                   | A2       | A4       | BZP                                                                                 | A2       | BZP                                                                                 | Brass    | A2       | A4      |
| M8 x 16mm  | 483-9925                                                                          | 281-546           | 124-7228 | 304-4851 | 483-9717                                                                          | 281-344           | 185-5794 | 232-8338 | 292-316                                                                            | 483-8382                                                                            | 529-703           | 281-142  | 187-1471 |          | 530-062                                                                             | 137-871  | 187-0850 |                                                                                     |          | 527-498                                                                             | 483-2407 | 520-194  | 190-254 |
| M8 x 20mm  | 483-9931                                                                          | 281-552           | 124-7229 | 304-4845 | 483-9739                                                                          | 281-350           | 183-8777 | 232-8344 | 292-322                                                                            | 483-8398                                                                            | 529-719           | 281-158  | 187-1487 |          | 124-7382                                                                            | 124-7398 |          |                                                                                     |          | 527-505                                                                             | 483-2413 | 520-201  | 190-260 |
| M8 x 25mm  | 483-9953                                                                          | 281-568           | 124-7230 | 304-4839 | 483-9745                                                                          | 281-366           | 183-8783 | 232-8350 | 292-338                                                                            | 491-5271                                                                            | 529-725           | 281-164  | 187-1493 |          | 124-7383                                                                            | 124-7399 |          |                                                                                     |          | 527-511                                                                             | 483-2429 | 520-217  | 190-276 |
| M8 x 30mm  | 483-9969                                                                          | 292-502           | 124-7231 | 304-4823 | 822-9199                                                                          |                   | 797-6103 | 304-4687 | 292-344                                                                            | 483-8405                                                                            | 468-0161          | 281-170  | 187-1500 |          | 124-7384                                                                            |          |          | 917-3138                                                                            | 797-6288 | 527-527                                                                             | 483-2435 | 520-223  | 190-282 |
| M8 x 35mm  | 491-5186                                                                          | 292-518           | 124-7232 |          | 822-9209                                                                          | 822-9133          |          |          |                                                                                    | 491-5287                                                                            | 468-0177          | 293-426  | 187-1516 |          |                                                                                     |          |          | 279-587                                                                             | 508-0900 | 917-2873                                                                            |          | 797-6311 | 190-298 |
| M8 x 40mm  | 491-5192                                                                          | 822-9149          | 917-6232 | 304-4801 | 822-9202                                                                          |                   | 797-6112 | 304-4671 | 292-350                                                                            | 483-8411                                                                            | 468-0199          | 290-152  | 187-1522 |          |                                                                                     |          |          | 279-593                                                                             | 508-0916 | 527-533                                                                             | 483-2441 | 520-239  | 190-305 |
| M8 x 45mm  | 124-7171                                                                          |                   | 124-7233 |          | 822-9206                                                                          |                   |          |          |                                                                                    | 124-7275                                                                            | 468-0206          | 797-6272 | 660-4649 |          |                                                                                     |          |          | 279-600                                                                             |          |                                                                                     |          | 797-6320 | 190-311 |
| M8 x 50mm  | 822-9265                                                                          | 822-9158          | 124-7234 | 304-4794 | 822-9215                                                                          |                   | 797-6115 | 304-4665 |                                                                                    | 483-8427                                                                            | 468-0212          | 293-432  | 187-1538 |          |                                                                                     |          |          | 279-616                                                                             | 508-0922 | 527-549                                                                             |          | 520-245  | 190-327 |
| M8 x 55mm  |                                                                                   | 124-7193          |          |          |                                                                                   |                   |          |          |                                                                                    | 124-7276                                                                            | 468-0228          | 124-7358 |          |          |                                                                                     |          |          | 917-3132                                                                            |          | 917-2870                                                                            |          | 797-6323 |         |
| M8 x 60mm  | 822-9268                                                                          | 124-7194          | 124-7235 |          |                                                                                   |                   |          | 304-4772 | 292-366                                                                            | 483-9515                                                                            | 468-0234          | 293-448  | 187-1544 |          |                                                                                     |          |          | 279-622                                                                             | 508-0944 | 917-2889                                                                            |          | 289-039  | 190-333 |
| M8 x 65mm  |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    | 124-7277                                                                            | 822-9091          |          |          |          |                                                                                     |          |          | 917-3141                                                                            | 508-0950 | 917-2882                                                                            |          | 797-6327 |         |
| M8 x 70mm  | 124-7172                                                                          |                   | 124-7236 |          |                                                                                   |                   |          |          |                                                                                    | 483-9521                                                                            | 275-052           |          | 660-4658 |          |                                                                                     |          |          | 279-638                                                                             | 508-0966 | 917-2886                                                                            |          | 289-045  |         |
| M8 x 75mm  |                                                                                   | 822-9151          |          |          |                                                                                   |                   |          |          |                                                                                    | 124-7278                                                                            |                   | 124-7359 |          |          |                                                                                     |          |          | 279-644                                                                             |          | 917-2895                                                                            |          |          |         |
| M8 x 80mm  | 124-7173                                                                          |                   | 124-7237 |          |                                                                                   |                   |          |          |                                                                                    | 483-9537                                                                            | 468-0256          | 124-7360 | 660-4651 |          |                                                                                     |          |          | 279-650                                                                             |          | 917-2898                                                                            |          |          |         |
| M8 x 90mm  |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    | 124-7279                                                                            | 124-7319          | 124-7361 |          |          |                                                                                     |          |          | 279-666                                                                             | 508-0972 | 917-2892                                                                            |          |          |         |
| M8 x 100mm |                                                                                   |                   | 124-7238 |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     | 468-0284          |          |          |          |                                                                                     |          |          | 279-672                                                                             | 508-0988 | 917-2902                                                                            |          |          |         |
| M8 x 120mm |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   |          |          |          |                                                                                     |          |          | 917-3148                                                                            |          |                                                                                     |          |          |         |
| M8 x 130mm |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   |          |          |          |                                                                                     |          |          | 917-3157                                                                            |          |                                                                                     |          |          |         |
| M8 x 140mm |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   |          |          |          |                                                                                     |          |          | 917-3150                                                                            |          |                                                                                     |          |          |         |
| M8 x 150mm |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   |          |          |          |                                                                                     |          |          | 917-3154                                                                            |          | 917-2905                                                                            |          |          |         |
| M10 x 10mm |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   |          |          |          | 281-681                                                                             |          |          |                                                                                     |          |                                                                                     |          |          |         |
| M10 x 12mm |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    |                                                                                     |                   |          |          |          | 281-697                                                                             |          |          |                                                                                     |          | 917-2909                                                                            |          |          |         |
| M10 x 16mm | 124-7174                                                                          |                   |          |          | 822-9218                                                                          |                   |          |          | 292-372                                                                            | 124-7280                                                                            | 468-0262          | 293-454  |          |          | 281-704                                                                             |          |          |                                                                                     |          | 527-555                                                                             |          | 520-251  |         |
| M10 x 20mm | 822-9262                                                                          | 124-7195          | 124-7239 |          | 822-9212                                                                          |                   |          |          | 822-9316                                                                           | 484-0026                                                                            | 468-0278          | 293-460  | 304-4542 |          | 124-7385                                                                            |          |          |                                                                                     |          | 527-561                                                                             |          | 520-267  | 190-349 |
| M10 x 25mm | 822-9271                                                                          | 124-7196          | 124-7240 |          | 822-9221                                                                          |                   |          |          | 292-388                                                                            | 484-0032                                                                            | 468-0290          | 797-6276 | 660-4655 |          |                                                                                     |          |          |                                                                                     |          | 527-577                                                                             |          | 520-273  | 190-355 |
| M10 x 30mm | 822-9274                                                                          | 124-7197          | 124-7241 | 124-7258 | 822-9224                                                                          |                   |          |          | 292-394                                                                            | 484-0054                                                                            | 468-0313          | 293-476  | 304-4520 |          | 124-7386                                                                            |          |          |                                                                                     |          | 527-583                                                                             |          | 520-289  | 190-361 |
| M10 x 35mm | 822-9278                                                                          | 124-7198          | 124-7242 | 124-7259 | 822-9228                                                                          |                   |          |          |                                                                                    | 124-7281                                                                            | 468-0329          | 797-6285 | 124-7372 |          |                                                                                     |          |          | 917-3163                                                                            | 797-6282 | 917-2918                                                                            |          | 797-6336 | 190-377 |
| M10 x 40mm | 822-9287                                                                          | 124-7199          | 124-7243 |          | 822-9237                                                                          |                   |          |          | 292-401                                                                            | 484-0060                                                                            | 529-810           | 293-482  | 304-4514 |          | 124-7387                                                                            |          |          | 279-688                                                                             | 508-0994 | 527-599                                                                             |          | 520-295  | 190-383 |
| M10 x 45mm | 124-7175                                                                          | 124-7200          | 124-7244 |          |                                                                                   |                   |          |          |                                                                                    | 124-7282                                                                            | 275-096           | 124-7362 |          |          |                                                                                     |          |          | 279-694                                                                             |          | 917-2911                                                                            |          | 797-6339 | 190-399 |
| M10 x 50mm | 822-9280                                                                          | 124-7201          | 917-6241 | 124-7261 | 822-9230                                                                          |                   |          |          | 822-9319                                                                           | 484-0076                                                                            | 529-826           | 293-498  | 304-4508 |          | 124-7388                                                                            |          |          | 279-701                                                                             | 508-1010 | 527-606                                                                             |          | 520-302  | 190-406 |
| M10 x 55mm | 124-7176                                                                          |                   |          |          |                                                                                   |                   |          |          |                                                                                    | 124-7283                                                                            | 275-103           |          |          |          |                                                                                     |          |          | 917-3166                                                                            | 797-6291 | 917-2915                                                                            |          |          |         |
| M10 x 60mm | 124-7177                                                                          | 124-7202          | 917-6244 | 124-7262 |                                                                                   |                   |          |          | 292-417                                                                            | 124-7284                                                                            | 529-832           | 293-505  |          |          |                                                                                     |          |          | 279-717                                                                             | 508-1026 | 276-207                                                                             |          | 276-588  | 190-412 |
| M10 x 65mm |                                                                                   |                   |          |          |                                                                                   |                   |          |          |                                                                                    | 124-7285                                                                            | 468-0335          | 124-7363 |          |          |                                                                                     |          |          | 917-3160                                                                            | 797-6294 | 917-2924                                                                            |          |          |         |
| M10 x 70mm | 124-7178                                                                          | 124-7203          | 124-7245 |          |                                                                                   |                   |          |          |                                                                                    | 124-7286                                                                            | 468-0341          | 288-935  | 304-4485 |          |                                                                                     |          |          | 279-723                                                                             | 508-1048 | 276-213                                                                             |          | 276-594  |         |
| M10 x 75mm | 124-7179                                                                          |                   |          |          |                                                                                   |                   |          |          |                                                                                    | 124-7287                                                                            | 124-7320          | 124-7364 |          |          |                                                                                     |          |          | 917-3179                                                                            | 797-6298 | 917-2927                                                                            |          |          |         |

|             | Hex Socket Csk Screw                                                              |                      |          |          | Hex Socket Button Screw<br>ISO 7380                                               |                      |    |    | Hex Socket<br>Shoulder<br>Screw<br>ISO 7379                                        | Hex Socket Cap Screw<br>DIN 912                                                     |                      |          |          |          | Grub Screw /<br>Socket Set Screw<br>DIN 916                                         |    |    | Hex Head Bolt<br>DIN 931                                                            |          | Hex Head Set Screw<br>DIN 933                                                       |       |          |          |
|-------------|-----------------------------------------------------------------------------------|----------------------|----------|----------|-----------------------------------------------------------------------------------|----------------------|----|----|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|----------|----------|----------|-------------------------------------------------------------------------------------|----|----|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|-------|----------|----------|
|             |  |                      |          |          |  |                      |    |    |  |  |                      |          |          |          |  |    |    |  |          |  |       |          |          |
|             | BZP                                                                               | Black Self<br>Colour | A2       | A4       | BZP                                                                               | Black Self<br>Colour | A2 | A4 | Black Self Colour                                                                  | BZP                                                                                 | Black Self<br>Colour | A2       | A4       | Titanium | Black Self<br>Colour                                                                | A2 | A4 | BZP                                                                                 | A2       | BZP                                                                                 | Brass | A2       | A4       |
| M10 x 80mm  | 124-7180                                                                          | 124-7204             | 124-7246 | 124-7263 |                                                                                   |                      |    |    |                                                                                    | 124-7288                                                                            | 468-0357             | 124-7365 | 124-7373 |          |                                                                                     |    |    | 279-739                                                                             | 508-1054 | 917-2921                                                                            |       |          |          |
| M10 x 90mm  | 124-7181                                                                          |                      |          |          |                                                                                   |                      |    |    |                                                                                    | 124-7289                                                                            | 275-147              | 124-7366 |          |          |                                                                                     |    |    | 279-745                                                                             | 508-1060 | 917-2930                                                                            |       |          |          |
| M10 x 100mm | 124-7182                                                                          | 124-7205             | 124-7247 |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     | 275-153              | 124-7367 |          |          |                                                                                     |    |    | 279-751                                                                             | 508-1076 | 917-2933                                                                            |       |          |          |
| M10 x 120mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     | 468-0363             | 124-7368 |          |          |                                                                                     |    |    | 917-3176                                                                            |          | 917-2937                                                                            |       |          |          |
| M10 x 130mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3185                                                                            |          | 917-2946                                                                            |       |          |          |
| M10 x 140mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3188                                                                            |          |                                                                                     |       |          |          |
| M10 x 150mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3182                                                                            |          | 917-2949                                                                            |       |          |          |
| M10 x 160mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3191                                                                            |          |                                                                                     |       |          |          |
| M10 x 180mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3194                                                                            |          |                                                                                     |       |          |          |
| M10 x 200mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3198                                                                            |          |                                                                                     |       |          |          |
| M12 x 16mm  |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    |                                                                                     |          | 917-2943                                                                            |       |          |          |
| M12 x 20mm  |                                                                                   |                      |          |          | 822-9234                                                                          |                      |    |    |                                                                                    | 124-7290                                                                            |                      | 288-941  |          |          |                                                                                     |    |    |                                                                                     |          | 530-157                                                                             |       | 520-318  |          |
| M12 x 25mm  | 822-9284                                                                          | 124-7206             | 124-7249 |          | 822-9243                                                                          |                      |    |    |                                                                                    | 124-7291                                                                            | 468-0385             | 124-7369 |          |          |                                                                                     |    |    |                                                                                     |          | 530-163                                                                             |       | 520-324  |          |
| M12 x 30mm  | 822-9293                                                                          | 124-7207             | 124-7250 |          | 822-9246                                                                          |                      |    |    |                                                                                    | 124-7292                                                                            | 468-0391             | 288-957  | 304-4463 |          |                                                                                     |    |    |                                                                                     |          | 530-179                                                                             |       | 520-330  | 183-9124 |
| M12 x 35mm  | 822-9296                                                                          | 124-7208             | 124-7251 |          | 822-9240                                                                          |                      |    |    |                                                                                    | 124-7293                                                                            |                      | 124-7370 |          |          |                                                                                     |    |    |                                                                                     |          | 917-2952                                                                            |       | 797-6333 |          |
| M12 x 40mm  | 822-9290                                                                          | 124-7209             | 124-7252 | 124-7264 | 822-9259                                                                          |                      |    |    |                                                                                    | 124-7294                                                                            | 468-0408             | 288-963  | 304-4457 |          |                                                                                     |    |    | 279-767                                                                             | 508-1082 | 530-185                                                                             |       | 520-346  | 183-9130 |
| M12 x 45mm  | 822-9300                                                                          | 124-7210             |          |          |                                                                                   |                      |    |    |                                                                                    | 124-7295                                                                            | 468-0414             |          |          |          |                                                                                     |    |    | 279-773                                                                             | 797-6308 | 917-2955                                                                            |       | 797-6342 |          |
| M12 x 50mm  | 822-9303                                                                          | 124-7211             | 124-7253 | 124-7265 |                                                                                   |                      |    |    |                                                                                    | 124-7296                                                                            | 468-0420             | 288-979  | 304-4441 |          |                                                                                     |    |    | 279-789                                                                             | 508-1098 | 530-191                                                                             |       | 520-352  | 183-9146 |
| M12 x 55mm  |                                                                                   | 124-7212             |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     | 275-181              |          |          |          |                                                                                     |    |    | 917-3208                                                                            |          | 917-2959                                                                            |       | 797-6345 |          |
| M12 x 60mm  | 124-7183                                                                          | 124-7213             | 124-7254 |          |                                                                                   |                      |    |    |                                                                                    | 124-7297                                                                            | 529-898              | 288-985  | 124-7374 |          |                                                                                     |    |    | 279-795                                                                             | 508-1105 | 530-208                                                                             |       | 520-368  | 183-9152 |
| M12 x 65mm  | 124-7184                                                                          |                      |          |          |                                                                                   |                      |    |    |                                                                                    | 124-7298                                                                            | 275-197              |          |          |          |                                                                                     |    |    | 279-802                                                                             | 508-1111 | 917-2968                                                                            |       |          |          |
| M12 x 70mm  | 124-7185                                                                          | 124-7214             |          |          |                                                                                   |                      |    |    |                                                                                    | 124-7299                                                                            | 275-204              |          |          |          |                                                                                     |    |    | 279-818                                                                             | 508-1127 | 276-229                                                                             |       | 276-601  | 183-9168 |
| M12 x 75mm  | 124-7186                                                                          |                      |          |          |                                                                                   |                      |    |    |                                                                                    | 124-7300                                                                            | 124-7321             |          |          |          |                                                                                     |    |    | 279-824                                                                             |          | 917-2961                                                                            |       |          |          |
| M12 x 80mm  | 124-7187                                                                          | 124-7215             | 124-7255 |          |                                                                                   |                      |    |    |                                                                                    | 124-7301                                                                            | 275-226              |          | 124-7375 |          |                                                                                     |    |    | 279-830                                                                             | 508-1133 | 276-235                                                                             |       | 276-617  | 183-9174 |
| M12 x 90mm  |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     | 468-0436             | 917-6248 |          |          |                                                                                     |    |    | 279-846                                                                             | 508-1149 | 917-2965                                                                            |       |          |          |
| M12 x 100mm | 124-7189                                                                          |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     | 468-0442             |          |          |          |                                                                                     |    |    | 279-852                                                                             | 508-1155 | 917-2974                                                                            |       |          |          |
| M12 x 110mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3201                                                                            |          |                                                                                     |       |          |          |
| M12 x 120mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    | 124-7302                                                                            | 468-0458             |          |          |          |                                                                                     |    |    | 917-3205                                                                            |          | 917-2977                                                                            |       |          |          |
| M12 x 130mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3214                                                                            |          | 917-2971                                                                            |       |          |          |
| M12 x 140mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3217                                                                            |          |                                                                                     |       |          |          |
| M12 x 150mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3211                                                                            |          | 917-2980                                                                            |       |          |          |
| M12 x 160mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3220                                                                            |          | 917-2983                                                                            |       |          |          |
| M12 x 170mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3223                                                                            |          |                                                                                     |       |          |          |
| M12 x 180mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3227                                                                            |          |                                                                                     |       |          |          |
| M12 x 200mm |                                                                                   |                      |          |          |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |          |          |          |                                                                                     |    |    | 917-3236                                                                            |          | 917-2987                                                                            |       |          |          |

|             | Hex Socket Csk Screw                                                              |                   |    |    | Hex Socket Button Screw ISO 7380                                                  |                   |    |    | Hex Socket Shoulder Screw ISO 7379                                                 | Hex Socket Cap Screw DIN 912                                                        |                   |          |    |          | Grub Screw / Socket Set Screw DIN 916                                               |    |    | Hex Head Bolt DIN 931                                                               |          | Hex Head Set Screw DIN 933                                                          |       |         |          |
|-------------|-----------------------------------------------------------------------------------|-------------------|----|----|-----------------------------------------------------------------------------------|-------------------|----|----|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------|----------|----|----------|-------------------------------------------------------------------------------------|----|----|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|-------|---------|----------|
|             |  |                   |    |    |  |                   |    |    |  |  |                   |          |    |          |  |    |    |  |          |  |       |         |          |
|             | BZP                                                                               | Black Self Colour | A2 | A4 | BZP                                                                               | Black Self Colour | A2 | A4 | Black Self Colour                                                                  | BZP                                                                                 | Black Self Colour | A2       | A4 | Titanium | Black Self Colour                                                                   | A2 | A4 | BZP                                                                                 | A2       | BZP                                                                                 | Brass | A2      | A4       |
| M12 x 220mm |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3239                                                                            |          |                                                                                     |       |         |          |
| M12 x 230mm |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3233                                                                            |          |                                                                                     |       |         |          |
| M12 x 240mm |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3242                                                                            |          |                                                                                     |       |         |          |
| M12 x 250mm |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3245                                                                            |          |                                                                                     |       |         |          |
| M14 x 30mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    |                                                                                     |          | 917-2996                                                                            |       |         |          |
| M14 x 35mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    |                                                                                     |          | 917-2999                                                                            |       |         |          |
| M14 x 40mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    |                                                                                     |          | 917-2993                                                                            |       |         |          |
| M14 x 45mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    |                                                                                     |          | 917-3006                                                                            |       |         |          |
| M14 x 50mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3249                                                                            |          | 917-3009                                                                            |       |         |          |
| M14 x 55mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3258                                                                            |          |                                                                                     |       |         |          |
| M14 x 60mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3251                                                                            |          | 917-3003                                                                            |       |         |          |
| M14 x 70mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3264                                                                            |          | 917-3012                                                                            |       |         |          |
| M14 x 80mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3267                                                                            |          |                                                                                     |       |         |          |
| M14 x 90mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3261                                                                            |          |                                                                                     |       |         |          |
| M14 x 100mm |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3270                                                                            |          | 917-3019                                                                            |       |         |          |
| M14 x 110mm |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3273                                                                            |          |                                                                                     |       |         |          |
| M14 x 120mm |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3277                                                                            |          |                                                                                     |       |         |          |
| M14 x 130mm |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3286                                                                            |          |                                                                                     |       |         |          |
| M16 x 25mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    |                                                                                     |          | 917-3028                                                                            |       |         |          |
| M16 x 30mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    | 124-7303                                                                            | 124-7322          |          |    |          |                                                                                     |    |    |                                                                                     |          |                                                                                     |       |         |          |
| M16 x 35mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     | 124-7323          |          |    |          |                                                                                     |    |    |                                                                                     |          |                                                                                     |       |         |          |
| M16 x 40mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    | 124-7304                                                                            | 468-0492          |          |    |          |                                                                                     |    |    |                                                                                     |          |                                                                                     |       |         | 263-2277 |
| M16 x 45mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    | 124-7305                                                                            | 124-7324          |          |    |          |                                                                                     |    |    | 917-3289                                                                            |          |                                                                                     |       | 276-651 |          |
| M16 x 50mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    | 124-7306                                                                            | 468-0515          |          |    |          |                                                                                     |    |    | 279-868                                                                             | 508-1177 |                                                                                     |       | 276-667 | 263-2283 |
| M16 x 55mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     | 124-7325          |          |    |          |                                                                                     |    |    | 279-874                                                                             |          | 917-3021                                                                            |       |         |          |
| M16 x 60mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    | 124-7307                                                                            | 275-327           |          |    |          |                                                                                     |    |    | 279-880                                                                             | 508-1183 |                                                                                     |       | 276-673 | 263-2299 |
| M16 x 65mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    | 124-7308                                                                            | 124-7326          |          |    |          |                                                                                     |    |    | 279-896                                                                             | 797-6301 | 917-3025                                                                            |       |         |          |
| M16 x 70mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    | 124-7309                                                                            | 275-349           |          |    |          |                                                                                     |    |    | 279-903                                                                             | 508-1206 |                                                                                     |       | 276-689 | 263-2306 |
| M16 x 75mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     | 124-7327          |          |    |          |                                                                                     |    |    | 279-919                                                                             | 508-1212 | 917-3034                                                                            |       |         |          |
| M16 x 80mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    | 124-7310                                                                            | 275-361           |          |    |          |                                                                                     |    |    | 279-925                                                                             | 508-1234 |                                                                                     |       | 276-695 | 263-2312 |
| M16 x 90mm  |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     | 124-7328          |          |    |          |                                                                                     |    |    | 279-931                                                                             | 508-1240 | 917-3037                                                                            |       |         |          |
| M16 x 100mm |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    | 124-7312                                                                            | 275-383           | 917-6257 |    |          |                                                                                     |    |    | 279-947                                                                             | 508-1256 | 917-3031                                                                            |       |         |          |
| M16 x 110mm |                                                                                   |                   |    |    |                                                                                   |                   |    |    |                                                                                    |                                                                                     |                   |          |    |          |                                                                                     |    |    | 917-3283                                                                            |          |                                                                                     |       |         |          |

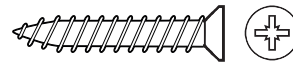
|             | Hex Socket Csk Screw                                                              |                      |    |    | Hex Socket Button Screw<br>ISO 7380                                               |                      |    |    | Hex Socket<br>Shoulder<br>Screw<br>ISO 7379                                        | Hex Socket Cap Screw<br>DIN 912                                                     |                      |    |    |          | Grub Screw /<br>Socket Set Screw<br>DIN 916                                         |    |    | Hex Head Bolt<br>DIN 931                                                            |          | Hex Head Set Screw<br>DIN 933                                                       |       |         |    |
|-------------|-----------------------------------------------------------------------------------|----------------------|----|----|-----------------------------------------------------------------------------------|----------------------|----|----|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|----|----|----------|-------------------------------------------------------------------------------------|----|----|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|-------|---------|----|
|             |  |                      |    |    |  |                      |    |    |  |  |                      |    |    |          |  |    |    |  |          |  |       |         |    |
|             | BZP                                                                               | Black Self<br>Colour | A2 | A4 | BZP                                                                               | Black Self<br>Colour | A2 | A4 | Black Self Colour                                                                  | BZP                                                                                 | Black Self<br>Colour | A2 | A4 | Titanium | Black Self<br>Colour                                                                | A2 | A4 | BZP                                                                                 | A2       | BZP                                                                                 | Brass | A2      | A4 |
| M16 x 120mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     | 468-0543             |    |    |          |                                                                                     |    |    | 279-953                                                                             |          | 917-3040                                                                            |       |         |    |
| M16 x 130mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    | 917-3292                                                                            |          | 917-3043                                                                            |       |         |    |
| M16 x 140mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    | 917-3295                                                                            |          | 917-3047                                                                            |       |         |    |
| M16 x 150mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    | 917-3299                                                                            |          | 917-3056                                                                            |       |         |    |
| M16 x 160mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    | 917-3309                                                                            |          |                                                                                     |       |         |    |
| M16 x 170mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    | 917-3302                                                                            |          |                                                                                     |       |         |    |
| M16 x 180mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    | 917-3306                                                                            |          | 917-3059                                                                            |       |         |    |
| M16 x 190mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    | 917-3315                                                                            |          |                                                                                     |       |         |    |
| M16 x 200mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    |                                                                                     |          | 917-3053                                                                            |       |         |    |
| M20 x 30mm  |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    |                                                                                     |          | 917-3062                                                                            |       |         |    |
| M20 x 40mm  |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     | 124-7339             |    |    |          |                                                                                     |    |    |                                                                                     |          |                                                                                     |       | 276-702 |    |
| M20 x 50mm  |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    | 124-7313                                                                            | 124-7340             |    |    |          |                                                                                     |    |    |                                                                                     |          |                                                                                     |       | 276-718 |    |
| M20 x 55mm  |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    | 917-3318                                                                            |          |                                                                                     |       |         |    |
| M20 x 60mm  |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     | 124-7341             |    |    |          |                                                                                     |    |    | 279-969                                                                             |          |                                                                                     |       |         |    |
| M20 x 65mm  |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     | 124-7342             |    |    |          |                                                                                     |    |    | 279-975                                                                             |          | 917-3065                                                                            |       |         |    |
| M20 x 70mm  |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     | 124-7343             |    |    |          |                                                                                     |    |    | 279-981                                                                             | 508-1262 |                                                                                     |       | 276-730 |    |
| M20 x 75mm  |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    | 917-3312                                                                            |          |                                                                                     |       |         |    |
| M20 x 80mm  |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    | 124-7316                                                                            | 124-7344             |    |    |          |                                                                                     |    |    | 279-997                                                                             | 508-1284 |                                                                                     |       | 276-746 |    |
| M20 x 90mm  |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    | 124-7317                                                                            | 124-7345             |    |    |          |                                                                                     |    |    | 277-553                                                                             |          | 917-3069                                                                            |       |         |    |
| M20 x 100mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    | 124-7318                                                                            | 124-7346             |    |    |          |                                                                                     |    |    | 277-569                                                                             | 508-1307 |                                                                                     |       | 276-752 |    |
| M20 x 110mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    | 917-3321                                                                            |          |                                                                                     |       |         |    |
| M20 x 120mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     | 124-7347             |    |    |          |                                                                                     |    |    | 277-575                                                                             |          | 917-3078                                                                            |       |         |    |
| M20 x 130mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     | 124-7348             |    |    |          |                                                                                     |    |    | 277-581                                                                             |          | 917-3071                                                                            |       |         |    |
| M20 x 150mm |                                                                                   |                      |    |    |                                                                                   |                      |    |    |                                                                                    |                                                                                     |                      |    |    |          |                                                                                     |    |    | 277-597                                                                             |          | 917-3075                                                                            |       |         |    |



|                  | Cross Recess Pan Self-Tapper<br>DIN 7981C                                         |          |          | Cross Recess CSK Self-Tapper<br>DIN 7982C                                           |          |          | Cross Recess Pan<br>Self-Driller<br>DIN 7504-N                                      |
|------------------|-----------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|
|                  |  |          |          |  |          |          |  |
|                  | BZP                                                                               | A2       | A4       | BZP                                                                                 | A2       | A4       | BZP                                                                                 |
| No. 4 x 1/4in    | 546-5604                                                                          | 521-535  |          |                                                                                     |          |          |                                                                                     |
| No. 4 x 3/8in    | 546-5610                                                                          | 521-541  | 522-1325 |                                                                                     |          |          |                                                                                     |
| No. 4 x 1/2in    | 546-5632                                                                          | 521-557  | 522-1410 |                                                                                     |          |          |                                                                                     |
| No. 6 x 1/4in    | 546-5648                                                                          | 521-563  |          |                                                                                     |          |          |                                                                                     |
| No. 6 x 3/8in    | 546-5654                                                                          | 521-579  | 522-1426 |                                                                                     |          |          | 546-5929                                                                            |
| No. 6 x 1/2in    | 546-5660                                                                          | 521-585  | 522-1432 | 546-5480                                                                            | 180-639  | 522-1319 | 546-5935                                                                            |
| No. 6 x 5/8in    |                                                                                   | 797-6119 |          |                                                                                     | 797-6153 |          |                                                                                     |
| No. 6 x 3/4in    | 546-5676                                                                          | 521-591  | 522-1448 | 546-5496                                                                            | 180-645  | 522-1331 | 546-5941                                                                            |
| No. 6 x 1in      | 546-5682                                                                          | 797-6128 |          |                                                                                     | 180-651  |          |                                                                                     |
| No. 6 x 1.1/4in  |                                                                                   | 797-6121 |          |                                                                                     | 180-667  |          |                                                                                     |
| No. 6 x 1.1/2in  |                                                                                   | 797-6125 |          |                                                                                     |          |          |                                                                                     |
| No. 8 x 3/8in    | 546-5698                                                                          | 521-608  | 522-1454 |                                                                                     |          |          |                                                                                     |
| No. 8 x 1/2in    | 546-5705                                                                          | 521-614  | 522-1460 | 546-5519                                                                            | 180-673  | 522-1353 | 546-5957                                                                            |
| No. 8 x 5/8in    |                                                                                   | 797-6134 |          |                                                                                     |          |          | 546-5963                                                                            |
| No. 8 x 3/4in    | 546-5711                                                                          | 521-620  | 522-1476 | 546-5525                                                                            | 180-689  | 522-1369 | 546-5979                                                                            |
| No. 8 x 1in      | 546-5727                                                                          | 521-636  | 522-1482 | 546-5531                                                                            | 180-695  | 522-1375 | 546-5985                                                                            |
| No. 8 x 1.1/4in  |                                                                                   | 797-6137 |          | 546-5547                                                                            | 180-702  |          |                                                                                     |
| No. 8 x 1.1/2in  |                                                                                   | 797-6131 |          |                                                                                     | 797-6162 |          |                                                                                     |
| No. 8 x 1.3/4in  |                                                                                   |          |          |                                                                                     | 797-6165 |          |                                                                                     |
| No. 8 x 2in      |                                                                                   | 797-6140 |          |                                                                                     | 797-6169 |          |                                                                                     |
| No. 10 x 3/8in   |                                                                                   | 521-642  |          |                                                                                     |          |          |                                                                                     |
| No. 10 x 1/2in   | 546-5749                                                                          | 521-658  | 522-1498 | 546-5553                                                                            | 180-718  |          | 546-5991                                                                            |
| No. 10 x 5/8in   |                                                                                   | 797-6143 |          |                                                                                     |          |          |                                                                                     |
| No. 10 x 3/4in   | 546-5761                                                                          | 521-664  | 522-1505 | 546-5575                                                                            | 180-724  | 522-1381 | 546-6001                                                                            |
| No. 10 x 1in     | 546-5777                                                                          | 521-670  | 522-1511 | 546-5581                                                                            | 180-730  | 522-1397 | 546-6017                                                                            |
| No. 10 x 1.1/4in | 546-5799                                                                          | 797-6147 |          | 546-5597                                                                            | 180-746  |          |                                                                                     |
| No. 10 x 1.1/2in |                                                                                   | 797-6156 |          |                                                                                     | 797-6178 |          |                                                                                     |
| No. 10 x 2in     |                                                                                   | 797-6159 |          |                                                                                     | 797-6171 |          |                                                                                     |
| No. 10 x 2.1/2in |                                                                                   |          |          |                                                                                     | 797-6175 |          |                                                                                     |
| No. 12 x 100in   |                                                                                   |          |          |                                                                                     | 797-6184 |          |                                                                                     |
| No. 12 x 1.1/4in |                                                                                   |          |          |                                                                                     | 797-6187 |          |                                                                                     |
| No. 12 x 1.1/2in |                                                                                   |          |          |                                                                                     | 797-6181 |          |                                                                                     |

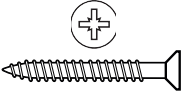
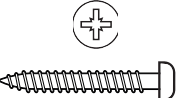
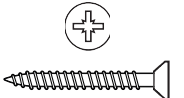
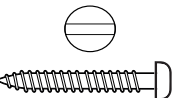
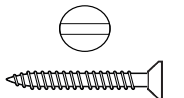
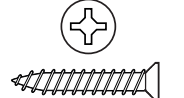
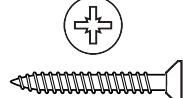
|            | Hex Self Driller with washer<br>DIN 7504K |
|------------|-------------------------------------------|
|            | BZP                                       |
| 4.2 x 13mm | 546-5806                                  |
| 4.2 x 19mm | 546-5812                                  |
| 4.2 x 25mm | 546-5828                                  |
| 4.8 x 16mm | 546-5834                                  |
| 4.8 x 19mm | 546-5856                                  |
| 4.8 x 25mm | 546-5862                                  |
| 5.5 x 19mm | 546-5878                                  |
| 5.5 x 25mm | 546-5884                                  |
| 5.5 x 32mm | 546-5890                                  |
| 5.5 x 38mm | 546-5913                                  |

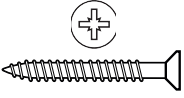
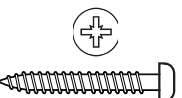
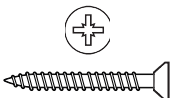
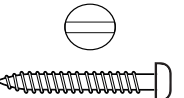
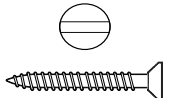
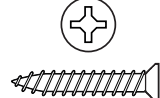
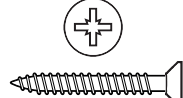
## Cross Recess Countersunk Twin Thread

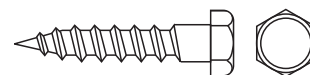


## BZP

|                |          |
|----------------|----------|
| No. 4 x 1/2in  | 144-3495 |
| No. 4 x 5/8in  | 144-3496 |
| No. 4 x 3/4in  | 144-3497 |
| No. 4 x 1in    | 144-3498 |
| No. 6 x 1/2in  | 144-3499 |
| No. 6 x 5/8in  | 144-3500 |
| No. 6 x 3/4in  | 529-062  |
| No. 6 x 1      | 529-078  |
| No. 6 x 1.1/4  | 529-084  |
| No. 6 x 1.1/2  | 529-090  |
| No. 8 x 1/2    | 521-169  |
| No. 8 x 5/8    | 144-3501 |
| No. 8 x 3/4    | 521-181  |
| No. 8 x 1      | 529-107  |
| No. 8 x 1.1/4  | 529-113  |
| No. 8 x 1.1/2  | 529-129  |
| No. 8 x 1.3/4  | 521-197  |
| No. 8 x 2      | 529-135  |
| No. 8 x 2.1/2  | 521-204  |
| No. 8 x 3      | 144-3502 |
| No. 10 x 1     | 529-141  |
| No. 10 x 1.1/4 | 521-226  |
| No. 10 x 1.1/2 | 529-157  |
| No. 10 x 1.3/4 | 521-232  |
| No. 10 x 2     | 529-163  |
| No. 10 x 2.1/2 | 529-179  |
| No. 10 x 3     | 521-248  |
| No. 10 x 3.1/2 | 144-3503 |
| No. 10 x 4     | 144-3504 |
| No. 12 x 1.1/2 | 144-3505 |
| No. 12 x 2     | 521-254  |
| No. 12 x 2.1/2 | 144-3506 |
| No. 12 x 3     | 521-260  |
| No. 12 x 4     | 521-282  |

|            | Cross Recess Countersunk General Purpose                                          |          | Cross Recess Round Single Thread<br>DIN 7996                                      | Cross Recess Countersunk Single Thread<br>DIN 7997                                 | Slot Round Single Thread<br>DIN 96                                                  | Slot Countersunk Single Thread<br>DIN 97                                            | Ulti-Mate Pozisquare Countersunk High Performance                                   | Unifix Vortex Recessed Countersunk High Performance                                 |
|------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|            |  |          |  |  |  |  |  |  |
|            | Zinc Plated, Yellow Passivated                                                    | A2       | A2                                                                                | A2                                                                                 | A2                                                                                  | A2                                                                                  | Zinc Plated, Yellow Passivated                                                      | Zinc Plated, Yellow Passivated                                                      |
| 3 x 12mm   | 263-1808                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 3 x 16mm   | 144-3470                                                                          |          |                                                                                   | 144-3524                                                                           |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 3 x 20mm   | 144-3471                                                                          |          |                                                                                   | 144-3525                                                                           |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 3 x 25mm   | 263-1814                                                                          |          |                                                                                   | 144-3526                                                                           |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 3.5 X 12mm | 144-3472                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 3.5 x 16mm | 263-1820                                                                          |          |                                                                                   | 144-3527                                                                           |                                                                                     |                                                                                     |                                                                                     | 145-6460                                                                            |
| 3.5 x 20mm | 144-3473                                                                          | 144-3507 | 483-3012                                                                          | 483-3090                                                                           |                                                                                     | 483-3056                                                                            |                                                                                     | 145-6461                                                                            |
| 3.5 x 25mm | 263-1836                                                                          | 144-3508 |                                                                                   | 483-3113                                                                           |                                                                                     |                                                                                     |                                                                                     | 145-6462                                                                            |
| 3.5 x 30mm |                                                                                   | 144-3509 |                                                                                   | 483-3129                                                                           |                                                                                     |                                                                                     |                                                                                     | 145-6463                                                                            |
| 3.5 x 40mm | 263-1842                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 145-6464                                                                            |
| 3.5 X 45mm | 144-3474                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 3.5 X 50mm | 144-3475                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 4 x 20mm   |                                                                                   |          |                                                                                   | 483-3135                                                                           | 483-2867                                                                            | 144-3530                                                                            |                                                                                     | 145-6465                                                                            |
| 4 x 25mm   | 263-1858                                                                          | 797-6229 | 483-3220                                                                          | 483-3141                                                                           | 483-2873                                                                            | 483-3062                                                                            | 493-4553                                                                            | 145-6466                                                                            |
| 4 X 30mm   | 144-3476                                                                          | 797-6222 | 144-3517                                                                          | 483-3157                                                                           | 483-2889                                                                            | 144-3531                                                                            | 493-4569                                                                            | 145-6467                                                                            |
| 4 X 35mm   | 144-3477                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 4 x 40mm   | 263-1864                                                                          | 797-6226 | 483-3236                                                                          | 483-3006                                                                           | 483-2895                                                                            | 483-3078                                                                            | 493-4575                                                                            | 145-6468                                                                            |
| 4 X 45mm   | 144-3478                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 4 x 50mm   | 263-1870                                                                          | 797-6235 | 144-3518                                                                          | 483-3163                                                                           | 483-2902                                                                            |                                                                                     | 493-4581                                                                            | 145-6469                                                                            |
| 4 X 60mm   | 144-3479                                                                          | 144-3510 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 145-6470                                                                            |
| 4 x 70mm   |                                                                                   |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 493-4597                                                                            | 145-6471                                                                            |
| 4.5 x 25mm | 263-1892                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 4.5 X 30mm | 144-3480                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 4.5 X 35mm | 144-3481                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

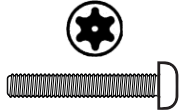
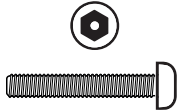
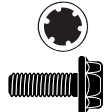
|            | Cross Recess Countersunk General Purpose                                          |          | Cross Recess Round Single Thread<br>DIN 7996                                      | Cross Recess Countersunk Single Thread<br>DIN 7997                                 | Slot Round Single Thread<br>DIN 96                                                  | Slot Countersunk Single Thread<br>DIN 97                                            | Ulti-Mate Pozisquare Countersunk High Performance                                   | Unifix Vortex Recessed Countersunk High Performance                                 |
|------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|            |  |          |  |  |  |  |  |  |
|            | Zinc Plated, Yellow Passivated                                                    | A2       | A2                                                                                | A2                                                                                 | A2                                                                                  | A2                                                                                  | Zinc Plated, Yellow Passivated                                                      | Zinc Plated, Yellow Passivated                                                      |
| 4.5 x 40mm | 263-1909                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 4.5 X 50mm | 144-3482                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 145-6472                                                                            |
| 4.5 X 60mm | 144-3483                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 145-6473                                                                            |
| 4.5 x 70mm | 263-1915                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 145-6474                                                                            |
| 5 x 25mm   |                                                                                   |          | 144-3519                                                                          | 483-3179                                                                           |                                                                                     | 483-2918                                                                            |                                                                                     |                                                                                     |
| 5 x 30mm   | 263-1921                                                                          | 144-3511 | 144-3520                                                                          | 483-3185                                                                           |                                                                                     | 483-2924                                                                            |                                                                                     |                                                                                     |
| 5 x 40mm   | 263-1937                                                                          | 797-6238 | 483-3242                                                                          | 483-3191                                                                           | 483-3084                                                                            | 483-2930                                                                            |                                                                                     | 145-6475                                                                            |
| 5 X 50mm   | 144-3484                                                                          | 797-6232 | 144-3521                                                                          | 483-3208                                                                           |                                                                                     | 483-2946                                                                            | 493-4604                                                                            | 145-6476                                                                            |
| 5 X 60mm   | 144-3485                                                                          | 797-6241 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 145-6477                                                                            |
| 5 x 65mm   |                                                                                   |          | 144-3522                                                                          | 483-3214                                                                           |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 5 x 70mm   | 263-1959                                                                          | 797-6244 |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 493-4610                                                                            | 145-6478                                                                            |
| 5 X 75mm   | 144-3486                                                                          |          | 144-3523                                                                          | 144-3528                                                                           |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 5 X 80mm   | 144-3487                                                                          | 144-3512 |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 493-4626                                                                            | 145-6479                                                                            |
| 5 X 90mm   | 144-3488                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 145-6480                                                                            |
| 5 X 100mm  | 144-3489                                                                          | 144-3513 |                                                                                   | 144-3529                                                                           |                                                                                     |                                                                                     |                                                                                     | 145-6481                                                                            |
| 6 x 40mm   | 263-1965                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 6 X 50mm   | 144-3490                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 493-4648                                                                            | 145-6482                                                                            |
| 6 X 60mm   | 144-3491                                                                          | 144-3514 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 145-6483                                                                            |
| 6 x 70mm   | 263-1971                                                                          | 797-6248 |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 493-4654                                                                            |                                                                                     |
| 6 X 80mm   | 144-3492                                                                          | 144-3515 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 145-6484                                                                            |
| 6 X 90mm   | 144-3493                                                                          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 6 X 100mm  | 144-3494                                                                          | 144-3516 |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 493-4660                                                                            | 145-6485                                                                            |
| 6 x 120mm  |                                                                                   |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     | 145-6486                                                                            |

Hex Coach Screw  
DIN 571

|            | BZP      | A2       |             | BZP      | A2       |
|------------|----------|----------|-------------|----------|----------|
| M6 x 25mm  | 144-3532 |          | M10 x 50mm  | 825-039  | 144-3557 |
| M6 x 30mm  | 824-856  |          | M10 x 60mm  | 825-051  | 144-3558 |
| M6 x 40mm  | 824-878  | 144-3548 | M10 x 70mm  | 825-073  | 144-3559 |
| M6 x 50mm  | 824-890  | 144-3549 | M10 x 75mm  | 825-089  |          |
| M6 x 60mm  | 824-913  | 144-3550 | M10 x 80mm  | 825-095  | 144-3560 |
| M6 x 70mm  | 824-935  | 144-3551 | M10 x 100mm | 825-118  | 144-3561 |
| M6 x 80mm  | 144-3533 |          | M10 x 120mm | 144-3539 | 144-3562 |
| M6 x 90mm  | 144-3534 |          | M10 x 130mm | 144-3540 |          |
| M6 x 100mm | 144-3535 |          | M10 x 140mm | 144-3541 |          |
| M8 x 25mm  | 144-3536 |          | M10 x 150mm | 144-3542 |          |
| M8 x 30mm  | 144-3537 |          | M12 x 40mm  | 144-3543 |          |
| M8 x 40mm  | 824-941  |          | M12 x 50mm  | 144-3544 |          |
| M8 x 45mm  | 824-957  |          | M12 x 60mm  | 825-124  |          |
| M8 x 50mm  | 824-963  | 144-3552 | M12 x 70mm  |          |          |
| M8 x 60mm  | 824-985  | 144-3553 | M12 x 75mm  | 825-152  |          |
| M8 x 65mm  | 824-991  |          | M12 x 80mm  | 825-168  |          |
| M8 x 70mm  | 825-001  | 144-3554 | M12 x 100mm | 825-180  |          |
| M8 x 75mm  | 825-017  |          | M12 x 120mm | 825-203  |          |
| M8 x 80mm  | 825-023  | 144-3555 | M12 x 130mm |          |          |
| M8 x 100mm | 144-3538 | 144-3556 | M12 x 150mm | 144-3547 |          |

|             | Coach/Carriage Bolt<br>DIN 603-555<br>(M6-M10) |          |
|-------------|------------------------------------------------|----------|
|             | BZP                                            | A2       |
| M6 x 20mm   |                                                | 122-4417 |
| M6 x 25mm   | 512-0985                                       | 122-4418 |
| M6 x 30mm   | 512-0991                                       | 122-4419 |
| M6 x 35mm   |                                                | 122-4420 |
| M6 x 40mm   | 512-1001                                       | 122-4421 |
| M6 x 50mm   | 512-1017                                       | 122-4422 |
| M6 x 60mm   |                                                | 122-4423 |
| M6 x 65mm   | 512-1023                                       |          |
| M6 x 70mm   |                                                |          |
| M6 x 75mm   | 512-1039                                       |          |
| M6 x 100mm  |                                                |          |
| M8 x 20mm   |                                                | 122-4424 |
| M8 x 25mm   |                                                | 122-4425 |
| M8 x 30mm   |                                                | 122-4426 |
| M8 x 35mm   |                                                | 122-4427 |
| M8 x 40mm   | 512-1051                                       | 122-4428 |
| M8 x 50mm   | 512-1067                                       | 122-4429 |
| M8 x 60mm   |                                                | 122-4430 |
| M8 x 65mm   | 512-1073                                       |          |
| M8 x 70mm   |                                                | 122-4431 |
| M8 x 75mm   | 512-1089                                       |          |
| M8 x 80mm   |                                                | 122-4432 |
| M8 x 90mm   |                                                | 122-4433 |
| M8 x 100mm  | 512-1102                                       | 122-4434 |
| M10 x 30mm  |                                                | 122-4435 |
| M10 x 40mm  |                                                | 122-4436 |
| M10 x 50mm  |                                                | 122-4437 |
| M10 x 60mm  |                                                | 122-4438 |
| M10 x 65mm  | 512-1118                                       |          |
| M10 x 70mm  |                                                | 122-4439 |
| M10 x 75mm  | 512-1124                                       |          |
| M10 x 80mm  |                                                | 122-4440 |
| M10 x 90mm  |                                                | 122-4441 |
| M10 x 100mm | 512-1130                                       | 122-4442 |
| M10 x 110mm |                                                | 122-4443 |

|           | Mushroom Head Roofing Bolt with Square Nut<br>(M6-M8) |  |
|-----------|-------------------------------------------------------|--|
|           | BZP                                                   |  |
| M6 x 12mm | 277-604                                               |  |
| M6 x 16mm | 277-610                                               |  |
| M6 x 20mm | 277-626                                               |  |
| M6 x 25mm | 277-632                                               |  |
| M6 x 40mm | 277-648                                               |  |
| M6 x 50mm | 277-654                                               |  |
| M6 x 60mm | 277-660                                               |  |
| M6 x 70mm | 277-676                                               |  |
| M8 x 12mm | 277-682                                               |  |
| M8 x 20mm | 277-698                                               |  |
| M8 x 30mm | 277-705                                               |  |
| M8 x 40mm | 277-711                                               |  |
| M8 x 60mm | 277-733                                               |  |
| M8 x 70mm | 277-749                                               |  |
| M8 x 80mm | 277-755                                               |  |

|           | Pan Head Security                                                                 | Csk Head Security                                                                 |          | Button Head 6 Lobe Security                                                         | Button Head Hex Security                                                            | System Zero Tamper Proof Head Security                                              |          |
|-----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
|           |  |  |          |  |  |  |          |
|           | BZP                                                                               | BZP                                                                               | A2       | A4                                                                                  | BZP                                                                                 | Zinc Plated Steel                                                                   | A2       |
| M3x6mm    | 482-8256                                                                          | 482-8111                                                                          | 621-2495 | 621-2631                                                                            | 621-2754                                                                            | 524-534                                                                             | 300-7672 |
| M3x12mm   | 482-8262                                                                          | 482-8133                                                                          | 621-2502 | 621-2625                                                                            | 621-2748                                                                            | 524-540                                                                             |          |
| M3x20mm   |                                                                                   | 482-8149                                                                          | 621-2518 | 621-2653                                                                            | 621-2760                                                                            |                                                                                     |          |
| M3.5x12mm |                                                                                   | 482-8161                                                                          |          |                                                                                     |                                                                                     | 524-562                                                                             |          |
| M4x6mm    | 482-8313                                                                          | 482-8177                                                                          | 621-2530 | 621-2675                                                                            | 621-2782                                                                            | 524-578                                                                             | 300-7701 |
| M4x12mm   | 482-8329                                                                          | 482-8183                                                                          | 621-2546 | 621-2647                                                                            | 621-2805                                                                            | 524-584                                                                             | 300-7717 |
| M4x19mm   |                                                                                   |                                                                                   |          |                                                                                     |                                                                                     | 526-760                                                                             | 300-7723 |
| M4x20mm   | 482-8335                                                                          | 482-8199                                                                          | 621-2552 | 621-2669                                                                            | 621-2798                                                                            |                                                                                     |          |
| M5x6mm    |                                                                                   |                                                                                   |          |                                                                                     |                                                                                     | 483-953                                                                             |          |
| M5x12mm   | 482-8357                                                                          |                                                                                   | 621-2568 | 621-2681                                                                            | 621-2811                                                                            | 483-957                                                                             | 483-975  |
| M5x19mm   |                                                                                   |                                                                                   |          |                                                                                     |                                                                                     | 483-947                                                                             | 483-979  |
| M5x20mm   | 482-8363                                                                          | 482-8212                                                                          | 621-2580 | 621-2704                                                                            | 621-2827                                                                            |                                                                                     |          |
| M5x25mm   | 482-8379                                                                          |                                                                                   | 621-2574 | 621-2726                                                                            | 621-2833                                                                            | 483-969                                                                             | 300-7789 |
| M5x30mm   |                                                                                   |                                                                                   |          |                                                                                     |                                                                                     | 483-963                                                                             |          |
| M6x10mm   |                                                                                   |                                                                                   |          |                                                                                     |                                                                                     | 524-613                                                                             | 300-7802 |
| M6x12mm   | 482-8385                                                                          |                                                                                   | 621-2596 | 621-2697                                                                            | 621-2849                                                                            |                                                                                     |          |
| M6x16mm   |                                                                                   |                                                                                   |          |                                                                                     |                                                                                     | 524-629                                                                             | 300-7818 |
| M6x19mm   |                                                                                   |                                                                                   |          |                                                                                     |                                                                                     | 526-726                                                                             |          |
| M6x20mm   | 482-8391                                                                          |                                                                                   | 621-2603 | 621-2710                                                                            | 621-2855                                                                            |                                                                                     |          |
| M6x25mm   | 482-8414                                                                          | 482-8240                                                                          | 621-2619 | 621-2732                                                                            | 621-2861                                                                            | 526-732                                                                             | 300-7830 |
| M6x30mm   |                                                                                   |                                                                                   |          |                                                                                     |                                                                                     | 526-748                                                                             |          |
| M6x40mm   |                                                                                   |                                                                                   |          |                                                                                     |                                                                                     | 526-754                                                                             | 300-7852 |

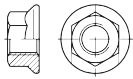
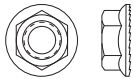
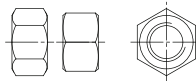


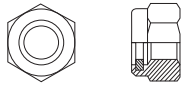
|        | Threaded Rods<br>DIN 976                                                           |         |          |         |
|--------|------------------------------------------------------------------------------------|---------|----------|---------|
|        |  |         |          |         |
|        | Brass Self Colour                                                                  | A2      | A4       | BZP     |
| M3x1m  | 468-7077                                                                           | 280-363 | 200-9942 | 530-292 |
| M4x1m  | 468-7083                                                                           | 280-379 | 200-9958 | 530-309 |
| M5x1m  | 468-7106                                                                           | 280-385 | 200-9964 | 530-315 |
| M6x1m  | 468-7112                                                                           | 280-391 | 200-9970 | 530-321 |
| M8x1m  | 468-7128                                                                           | 280-408 | 200-9986 | 530-337 |
| M10x1m | 468-7134                                                                           | 280-414 | 200-9992 | 530-343 |
| M12x1m |                                                                                    | 280-420 | 201-0071 | 530-359 |
| M16x1m | 289-089                                                                            |         | 201-0201 | 276-500 |
| M20x1m |                                                                                    | 289-095 | 201-0223 | 276-516 |

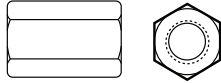
# CONNECTING NUTS

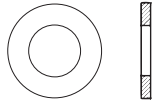
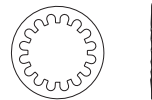
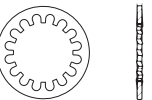
M2 - M20

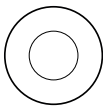
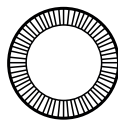
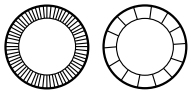


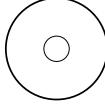
|      | Unserrated Flange Nut<br>DIN 6923                                                 |          | Serrated Flange Nut<br>DIN 6923                                                   |          | Nylon Insert Flange<br>Locking Nut<br>DIN 6926                                    | Square Nut<br>DIN 562                                                               | Half Nut<br>DIN 439                                                                 |          |          | Full Nut<br>DIN 934                                                                 |                     |          |         |          |
|------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|---------------------|----------|---------|----------|
|      |  |          |  |          |  |  |  |          |          |  |                     |          |         |          |
|      | BZP                                                                               | A2       | BZP                                                                               | A2       | BZP                                                                               | BZP                                                                                 | Nickel Plated Brass                                                                 | A2       | A4       | BZP                                                                                 | Nickel Plated Brass | Brass    | A2      | A4       |
| M2   |                                                                                   |          |                                                                                   |          |                                                                                   |                                                                                     | 483-0316                                                                            |          |          | 560-271                                                                             |                     |          | 527-218 | 248-4551 |
| M2.5 |                                                                                   |          |                                                                                   |          |                                                                                   |                                                                                     | 483-0322                                                                            | 122-4399 |          | 560-287                                                                             |                     |          | 527-224 | 248-4567 |
| M3   |                                                                                   |          |                                                                                   |          |                                                                                   | 837-262                                                                             | 483-0338                                                                            | 122-4400 |          | 560-293                                                                             | 483-0502            | 483-2485 | 527-230 | 189-563  |
| M3.5 |                                                                                   |          |                                                                                   |          |                                                                                   |                                                                                     |                                                                                     |          |          | 560-300                                                                             | 483-0524            |          | 527-246 |          |
| M4   |                                                                                   |          |                                                                                   |          |                                                                                   | 837-284                                                                             | 483-0350                                                                            | 122-4401 | 122-4409 | 525-896                                                                             | 483-0530            | 483-2508 | 527-252 | 189-579  |
| M5   | 275-462                                                                           | 725-9647 | 275-535                                                                           | 725-9650 | 275-608                                                                           | 837-290                                                                             | 483-0423                                                                            | 122-4402 | 122-4410 | 525-903                                                                             | 483-0546            | 483-2514 | 527-268 | 189-585  |
| M6   | 275-478                                                                           | 725-9640 | 275-541                                                                           | 725-9669 | 275-614                                                                           | 837-307                                                                             | 483-0439                                                                            | 122-4403 | 122-4411 | 525-919                                                                             | 483-0552            | 483-2520 | 527-274 | 189-591  |
| M8   | 275-484                                                                           | 725-9644 | 275-557                                                                           | 725-9662 | 275-620                                                                           | 837-313                                                                             |                                                                                     | 122-4404 | 122-4412 | 527-612                                                                             |                     | 483-2542 | 530-769 | 189-608  |
| M10  | 275-490                                                                           | 725-9653 | 275-563                                                                           | 725-9666 | 275-636                                                                           |                                                                                     |                                                                                     | 122-4405 | 122-4413 | 527-628                                                                             |                     | 483-2558 | 530-775 | 189-614  |
| M12  | 275-507                                                                           | 725-9656 | 275-579                                                                           | 725-9675 | 275-642                                                                           |                                                                                     |                                                                                     | 122-4406 | 122-4414 | 530-078                                                                             |                     | 483-2564 | 530-781 | 183-9045 |
| M16  |                                                                                   |          |                                                                                   |          |                                                                                   |                                                                                     |                                                                                     | 122-4407 | 122-4415 | 276-768                                                                             |                     |          | 275-670 | 248-4573 |
| M20  |                                                                                   |          |                                                                                   |          |                                                                                   |                                                                                     |                                                                                     | 122-4408 | 122-4416 | 276-774                                                                             |                     |          | 275-686 | 248-4589 |

|      | Nylon Insert<br>Locking Nut<br>DIN 982                                              | Nylon Insert Locking Nut DIN 985                                                   |         |          | Aerotight® Locking Nut                                                               |          |          | Dome Nut<br>DIN 1587 (Except M3 & M4)                                                |          |          | Wing Nut                                                                             |         |          | Heico Lock Delta<br>Protekt Wedge<br>Lock Nut                                        |
|------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------|----------|--------------------------------------------------------------------------------------|----------|----------|--------------------------------------------------------------------------------------|----------|----------|--------------------------------------------------------------------------------------|---------|----------|--------------------------------------------------------------------------------------|
|      |  |  |         |          |  |          |          |  |          |          |  |         |          |  |
|      | BZP                                                                                 | BZP                                                                                | A2      | A4       | BZP                                                                                  | A1       | A4       | BZP                                                                                  | A2       | A4       | BZP                                                                                  | A2      | A4       | Steel                                                                                |
| M2   |                                                                                     |                                                                                    |         |          |                                                                                      |          |          |                                                                                      |          |          |                                                                                      |         |          |                                                                                      |
| M2.5 |                                                                                     |                                                                                    |         |          |                                                                                      |          |          |                                                                                      |          |          |                                                                                      |         |          |                                                                                      |
| M3   | 524-281                                                                             |                                                                                    | 521-917 | 767-804  | 530-652                                                                              | 260-5815 | 665-5606 | 293-050                                                                              | 248-4387 | 248-4450 | 521-844                                                                              | 293-101 | 248-4309 |                                                                                      |
| M3.5 |                                                                                     |                                                                                    |         |          |                                                                                      |          |          |                                                                                      |          |          |                                                                                      |         |          |                                                                                      |
| M4   | 524-304                                                                             |                                                                                    | 521-923 | 767-810  | 530-668                                                                              | 260-5821 | 665-5609 | 293-066                                                                              | 248-4393 | 248-4466 | 521-850                                                                              | 293-117 | 248-4315 |                                                                                      |
| M5   | 524-310                                                                             | 122-4371                                                                           | 521-939 | 767-826  | 530-674                                                                              | 260-5843 | 665-5603 | 293-072                                                                              | 248-4400 | 248-4472 | 521-866                                                                              | 293-123 | 248-4337 |                                                                                      |
| M6   | 524-326                                                                             | 122-4372                                                                           | 521-945 | 767-832  | 530-680                                                                              | 260-5859 | 665-5612 | 293-088                                                                              | 248-4416 | 248-4494 | 521-872                                                                              | 293-139 | 248-4343 | 914-3421                                                                             |
| M8   | 530-393                                                                             | 122-4373                                                                           | 521-951 | 767-848  | 530-696                                                                              | 260-6414 | 665-5615 | 293-094                                                                              | 248-4422 | 248-4501 | 521-888                                                                              | 293-145 | 248-4359 | 914-3424                                                                             |
| M10  | 530-400                                                                             | 122-4374                                                                           | 521-967 | 767-854  | 530-703                                                                              | 260-6420 | 665-5619 |                                                                                      | 248-4438 | 248-4517 | 521-894                                                                              | 293-151 | 248-4365 | 914-3428                                                                             |
| M12  | 530-416                                                                             | 122-4375                                                                           | 521-973 | 248-4539 | 530-719                                                                              | 260-6436 | 665-5628 |                                                                                      | 248-4444 | 248-4523 | 521-901                                                                              |         | 248-4371 |                                                                                      |
| M16  | 276-780                                                                             | 122-4376                                                                           | 275-692 | 797-6377 |                                                                                      |          |          |                                                                                      | 797-6080 |          |                                                                                      |         |          | 914-3430                                                                             |
| M20  | 276-796                                                                             | 122-4377                                                                           | 275-709 |          |                                                                                      |          |          |                                                                                      | 797-6099 |          |                                                                                      |         |          |                                                                                      |

|          | Connecting/Coupling Nuts<br>DIN 6334                                                |         |          |
|----------|-------------------------------------------------------------------------------------|---------|----------|
|          |  |         |          |
|          | B7P                                                                                 | A2      | A4       |
| M6x18mm  | 276-522                                                                             | 825-269 | 206-2252 |
| M8x24mm  | 276-538                                                                             | 825-275 | 206-2268 |
| M10x30mm | 276-544                                                                             | 825-281 | 206-2274 |
| M12x36mm | 276-550                                                                             | 825-297 |          |
| M16x48mm | 276-566                                                                             | 825-304 |          |
| M20x60mm | 276-572                                                                             | 825-310 |          |

|      | Plain Washer<br>DIN 125A (except Form B, C and G: BS 4320)                         |              |              |              |                     |          |             |             |             |             | External Shakeproof Washer<br>DIN 6797A                                             | Internal Toothed Shakeproof Washer<br>DIN 6797J                                     | Internal Serrated Shakeproof Washer<br>DIN 6798J                                    |          |
|------|------------------------------------------------------------------------------------|--------------|--------------|--------------|---------------------|----------|-------------|-------------|-------------|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
|      |  |              |              |              |                     |          |             |             |             |             |  |  |  |          |
|      | BZP (Form A)                                                                       | BZP (Form B) | BZP (Form C) | BZP (Form G) | Nickel Plated Brass | Brass    | A2 (Form A) | A2 (Form B) | A4 (Form A) | A4 (Form B) | BZP                                                                                 | BZP                                                                                 | A2                                                                                  | A4       |
| M2   | 560-316                                                                            |              |              |              | 483-0619            |          | 527-347     |             | 248-4595    |             |                                                                                     |                                                                                     | 187-0535                                                                            |          |
| M2.5 | 560-322                                                                            |              |              |              |                     |          | 527-353     |             | 248-7106    |             | 276-831                                                                             |                                                                                     | 187-0541                                                                            |          |
| M3   | 560-338                                                                            |              |              |              | 483-0631            | 483-2592 | 527-369     |             | 189-620     |             | 276-847                                                                             | 526-574                                                                             | 187-0557                                                                            | 665-7299 |
| M3.5 | 560-344                                                                            |              |              |              | 483-0647            |          | 527-375     |             |             |             |                                                                                     |                                                                                     |                                                                                     |          |
| M4   | 525-925                                                                            |              |              |              | 483-0653            | 483-2609 | 527-381     |             | 189-636     |             | 276-869                                                                             | 526-596                                                                             | 187-0585                                                                            | 665-7309 |
| M5   | 525-931                                                                            | 122-4385     | 122-4378     |              | 482-7720            | 483-2615 | 527-397     |             | 189-642     |             | 276-875                                                                             | 526-603                                                                             | 187-0591                                                                            | 665-7302 |
| M6   | 525-947                                                                            | 122-4387     | 122-4379     |              | 483-0669            | 483-2621 | 527-404     | 797-6086    | 189-658     | 797-6373    | 276-881                                                                             | 526-619                                                                             | 187-0608                                                                            | 665-7306 |
| M8   | 527-634                                                                            | 122-4388     | 122-4380     | 122-4394     |                     | 483-2637 | 797-6068    | 530-797     | 797-6389    | 189-664     | 276-897                                                                             | 530-129                                                                             | 187-0614                                                                            | 665-7315 |
| M10  | 527-640                                                                            | 122-4389     | 122-4381     | 122-4395     |                     | 483-2643 | 7976077     | 530-804     | 797-6364    | 189-670     | 276-904                                                                             | 530-135                                                                             | 187-0636                                                                            | 665-7318 |
| M12  | 530-084                                                                            | 122-4390     | 122-4382     | 122-4396     |                     | 483-2659 | 7976070     | 530-810     | 797-6367    | 183-9051    | 276-910                                                                             | 530-141                                                                             | 187-0642                                                                            | 665-7312 |
| M16  | 276-926                                                                            | 122-4391     | 122-4383     | 122-4397     |                     |          | 7976074     | 275-715     | 797-6361    | 248-4618    |                                                                                     |                                                                                     | 187-0658                                                                            |          |
| M20  | 276-932                                                                            | 122-4393     | 122-4384     | 122-4398     |                     |          | 7976083     | 275-721     | 797-6370    | 248-4624    |                                                                                     |                                                                                     | 187-0664                                                                            |          |

|      | Square-Section Spring Washer<br>DIN 7980                                            |         |          | Crinkle Washer<br>BS 4463                                                            |         | Sealing Washers<br>DIN 7603 (Copper)                                                  |                      |         | Heico-Lock Delta Protekt Ring Lock Washer                                             |          | Heico-Lock Delta Protekt Wedge Lock Washer                                            |
|------|-------------------------------------------------------------------------------------|---------|----------|--------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|----------------------|---------|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|
|      |  |         |          |  |         |  |                      |         |  |          |  |
|      | BZP                                                                                 | A2      | A4       | Copper                                                                               | A2      | Copper                                                                                | Red Vulcanised Fibre | Nylon   | Steel                                                                                 | A2       | Carbon Steel                                                                          |
| M2   | 526-782 (Rectangular)                                                               | 825-219 |          | 289-635                                                                              | 428-616 |                                                                                       |                      |         |                                                                                       |          |                                                                                       |
| M2.5 | 526-798 (Rectangular)                                                               | 825-225 |          | 289-641                                                                              | 428-622 |                                                                                       | 289-073              |         |                                                                                       |          |                                                                                       |
| M3   | 526-805                                                                             | 825-231 | 189-686  | 289-657                                                                              | 428-638 | 293-167                                                                               | 526-350              |         |                                                                                       |          |                                                                                       |
| M3.5 |                                                                                     | 825-247 |          |                                                                                      |         |                                                                                       |                      |         |                                                                                       |          |                                                                                       |
| M4   | 526-827                                                                             | 530-826 | 189-692  | 289-679                                                                              | 428-650 | 293-173                                                                               | 526-366              |         |                                                                                       |          | 914-3349                                                                              |
| M5   | 526-833                                                                             | 530-832 | 189-709  | 289-685                                                                              | 428-666 | 293-189                                                                               | 526-372              |         | 914-3373                                                                              | 914-3399 | 914-3358                                                                              |
| M6   | 526-849                                                                             | 530-848 | 189-715  | 289-691                                                                              | 428-672 | 293-195                                                                               | 526-388              | 528-176 | 914-3377                                                                              | 914-3409 | 914-3351                                                                              |
| M8   | 530-090                                                                             | 530-854 | 189-721  | 289-708                                                                              | 428-688 | 293-202                                                                               | 530-258              |         | 914-3386                                                                              | 914-3402 | 914-3355                                                                              |
| M10  | 530-107                                                                             | 530-860 | 189-737  |                                                                                      |         | 293-218                                                                               | 530-264              | 280-537 | 914-3389                                                                              | 914-3406 | 914-3364                                                                              |
| M12  | 530-113                                                                             | 530-876 | 183-9067 |                                                                                      |         | 293-224                                                                               | 530-270              | 280-543 | 914-3383                                                                              | 914-3415 | 914-3367                                                                              |
| M16  | 276-803                                                                             | 275-737 |          |                                                                                      |         |                                                                                       |                      |         | 914-3392                                                                              | 914-3418 | 914-3361                                                                              |
| M20  | 276-819                                                                             | 275-743 |          |                                                                                      |         |                                                                                       |                      |         | 914-3395                                                                              | 914-3412 | 914-3370                                                                              |

|            | Mudguard Washers (Metric)                                                           |          |          |
|------------|-------------------------------------------------------------------------------------|----------|----------|
|            |  |          |          |
|            | BZP                                                                                 | A2       | A4       |
| M5 x 20mm  | 666-7753                                                                            |          |          |
| M5 x 25mm  | 666-7757                                                                            | 507-2678 | 660-4765 |
| M6 x 25mm  | 666-7766                                                                            | 507-2684 | 660-4768 |
| M6 x 30mm  | 666-7769                                                                            | 507-2690 | 660-4762 |
| M6 x 40mm  | 666-7763                                                                            |          |          |
| M8 x 25mm  | 666-7772                                                                            | 507-2713 | 660-4771 |
| M8 x 30mm  | 666-7775                                                                            | 507-2729 | 660-4774 |
| M8 x 40mm  | 666-7779                                                                            |          |          |
| M10 x 30mm | 666-7788                                                                            | 507-2735 | 660-4778 |
| M10 x 35mm |                                                                                     | 660-4623 | 660-4787 |
| M10 x 40mm | 666-7781                                                                            |          |          |
| M10 x 50mm | 666-7785                                                                            |          |          |
| M12 x 35mm |                                                                                     | 660-4627 | 660-4780 |

## FASTENER KITS

## SCREW / BOLT KITS



|                     | Machine Screw                                                                     | Electrical Screw                                                                   | Socket Screws                                                                       |                                                                                     |                                                                                     |
|---------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                     | Bright Zinc Plated Steel                                                          | Nickel Plated Brass                                                                | Black Self Colour Steel                                                             | Bright Zinc Plated Steel                                                            | A2 Stainless Steel                                                                  |
|                     |  |  |  |  |  |
|                     | 849-423                                                                           | 233-4355                                                                           | 823-897                                                                             | 290-9606                                                                            | 393-179                                                                             |
| Brand               | RS PRO                                                                            | RS PRO                                                                             | RS PRO                                                                              | RS PRO                                                                              | RS PRO                                                                              |
| Drive Type          | Slotted                                                                           | Slotted                                                                            | Hex Socket                                                                          | Hex Socket                                                                          | Hex Socket                                                                          |
| Number of Pieces    | 3160                                                                              | 2050                                                                               | 455                                                                                 | 450                                                                                 | 410                                                                                 |
| Head Shape          | Countersunk & Pan                                                                 | Cheese, Oval, Pan, Round                                                           | Countersunk                                                                         | Countersunk                                                                         | Countersunk                                                                         |
| Thread Sizes        | M2, M2.5, M3, M4, M5, M6                                                          | 2BA, 4BA, M3, M3.5, M4, M6                                                         | M3, M4, M5, M6                                                                      | M3, M4, M5, M6, M8                                                                  | M3, M4, M5, M6                                                                      |
| Screw/Bolts Lengths | 6 → 40mm                                                                          | 6 → 75mm                                                                           | 6 → 30mm                                                                            | 8 → 30mm                                                                            | 10 → 30mm                                                                           |

|                     | Socket Screws                                                                       |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                     | Black Self Colour Steel                                                             | Bright Zinc Plated Steel                                                            | A2 Stainless Steel                                                                    | Black Self Colour Steel                                                               | Bright Zinc Plated Steel                                                              | A4 Stainless Steel                                                                    |
|                     |  |  |  |  |  |  |
|                     | 823-904                                                                             | 290-9599                                                                            | 393-169                                                                               | 278-102                                                                               | 290-9612                                                                              | 225-3363                                                                              |
| Brand               | RS PRO                                                                              | RS PRO                                                                              | RS PRO                                                                                | RS PRO                                                                                | RS PRO                                                                                | RS PRO                                                                                |
| Drive Type          | Hex Socket                                                                          | Hex Socket                                                                          | Hex Socket                                                                            | Hex Socket                                                                            | Hex Socket                                                                            | Hex Socket                                                                            |
| Number of Pieces    | 595                                                                                 | 450                                                                                 | 490                                                                                   | 426                                                                                   | 415                                                                                   | 545                                                                                   |
| Head Shape          | Button                                                                              | Button                                                                              | Button                                                                                | Capscrew                                                                              | Capscrew                                                                              | Capscrew                                                                              |
| Thread Sizes        | M3, M4, M5, M6                                                                      | M3, M4, M5, M6, M8                                                                  | M3, M4, M5, M6                                                                        | M6, M8, M10, M12                                                                      | M3, M4, M5, M6, M8                                                                    | M3, M4, M5, M6                                                                        |
| Screw/Bolts Lengths | 8 → 25mm                                                                            | 8 → 25mm                                                                            | 8 → 20mm                                                                              | 12 → 60mm                                                                             | 8 → 50mm                                                                              | 6 → 25mm                                                                              |

**Socket Screws**

|                     | A2 Stainless Steel                                                                | A4 Stainless Steel                                                                | A2 Stainless Steel                                                                  | Black Self Colour Steel                                                             | A2 Stainless Steel                                                                  | Black Self Colour Steel                                                             |
|---------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                     |  |  |  |  |  |  |
|                     | 225-3357                                                                          | 819-9007                                                                          | 225-3341                                                                            | 524-051                                                                             | 395-428                                                                             | 395-424                                                                             |
| Brand               | RS PRO                                                                            | RS PRO                                                                            | RS PRO                                                                              | RS PRO                                                                              | RS PRO                                                                              | RS PRO                                                                              |
| Drive Type          | Hex Socket                                                                        | Hex Socket                                                                        | Hex Socket                                                                          | Hex Socket                                                                          | Hex Socket                                                                          | Hex Socket                                                                          |
| Number of Pieces    | 545                                                                               | 431                                                                               | 431                                                                                 | 450                                                                                 | 800                                                                                 | 1120                                                                                |
| Head Shape          | Capscrew                                                                          | Capscrew                                                                          | Capscrew                                                                            | Capscrew & Set (Plain Cup)                                                          | Set (Plain Cup)                                                                     | Set (Plain Cup)                                                                     |
| Thread Sizes        | M3, M4, M5, M6                                                                    | M6, M8, M10, M12                                                                  | M6, M8, M10, M12                                                                    | M3, M4, M5, M6                                                                      | M3, M4, M5, M6                                                                      | M3, M4, M5, M6                                                                      |
| Screw/Bolts Lengths | 6 → 25mm                                                                          | 12 → 50mm                                                                         | 12 → 60mm                                                                           | 6 → 30mm                                                                            | 3 → 12mm                                                                            | 3 → 12mm                                                                            |

**Wood Screws**
**Ulti-Mate High Performance Woodscrews**

|                     | Bright Zinc Plated Steel                                                            | A2 Stainless Steel                                                                    | Zinc Plated & Yellow Passivated Steel                                                 |
|---------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                     |  |  |  |
|                     | 528-514                                                                             | 483-3270                                                                              | 493-4632                                                                              |
| Brand               | RS PRO                                                                              | RS PRO                                                                                | Ulti-Mate                                                                             |
| Drive Type          | Cross Recessed                                                                      | Cross Recessed                                                                        | Pozisquare                                                                            |
| Number of Pieces    | 1250                                                                                | 1240                                                                                  | 845                                                                                   |
| Head Shape          | Countersunk & Round                                                                 | Countersunk & Round                                                                   | Countersunk                                                                           |
| Thread Sizes        | No. 6, No. 8, No. 10                                                                | 3.5mm, 4mm, 5mm                                                                       | 3.5mm, 4 mm, 5 mm, 6 mm                                                               |
| Screw/Bolts Lengths | 3/4 → 2-1/2in                                                                       | 20 → 65mm                                                                             | 25 → 100mm                                                                            |

## FASTENER KITS

## SCREW / BOLT KITS



|                     | Ulti-Mate High Performance Woodscrews |                                      |                                      | Unifix Vortex High Performance Woodscrew | Self Tapping Screws         |                             |
|---------------------|---------------------------------------|--------------------------------------|--------------------------------------|------------------------------------------|-----------------------------|-----------------------------|
|                     | Yellow Passivated, Zinc Plated Steel  | Yellow Passivated, Zinc Plated Steel | Yellow Passivated, Zinc Plated Steel | Yellow Passivated, Zinc Plated Steel     | Bright Zinc Plated Steel    | Bright Zinc Plated Steel    |
|                     |                                       |                                      |                                      |                                          |                             |                             |
|                     | 104-0876                              | 890-3916                             | 890-3913                             | 145-6487                                 | 546-3478                    | 393-163                     |
| Brand               | Ulti-Mate                             | Ulti-Mate                            | Ulti-Mate                            | Unifix Vortex                            | RS PRO                      | RS PRO                      |
| Drive Type          | Pozisquare                            | Pozisquare                           | Pozisquare                           | Cross Recessed                           | Cross Recessed & Slotted    | Cross Recessed              |
| Number of Pieces    | 700                                   | 1570                                 | 1610                                 | 1700                                     | 1200                        | 1230                        |
| Head Shape          | Countersunk                           | Countersunk                          | Countersunk                          | Countersunk                              | Pan                         | Countersunk & Pan           |
| Thread Sizes        | 3.5mm, 4mm, 5mm                       | 3.5mm, 4mm, 5mm                      | 3.5mm, 4mm, 5mm                      |                                          | No. 4, No. 6, No. 8, No. 10 | No. 4, No. 6, No. 8, No. 10 |
| Screw/Bolts Lengths | 20 → 100mm                            | 20 → 100mm                           | 25 → 100mm                           |                                          | 3/8 → 1in                   | 1/4 → 1-1/4in               |

|                     | Self Tapping Screws  |                      | Self Drilling Screws     |                          |
|---------------------|----------------------|----------------------|--------------------------|--------------------------|
|                     | A2 Stainless Steel   | A4 Stainless Steel   | Bright Zinc Plated Steel | Bright Zinc Plated Steel |
|                     |                      |                      |                          |                          |
|                     | 180-796              | 535-2362             | 395-412                  | 534-9552                 |
| Brand               | RS PRO               | RS PRO               | RS PRO                   | RS PRO                   |
| Drive Type          | Cross Recessed       | Cross Recessed       | Hex                      | Cross Recessed           |
| Number of Pieces    | 890                  | 890                  | 680                      | 1190                     |
| Head Shape          | Countersunk & Pan    | Countersunk & Pan    | Indented Washer          | Pan                      |
| Thread Sizes        | No. 6, No. 8, No. 10 | No. 6, No. 8, No. 10 | 4.2mm, 4.8mm, 5.5mm      | 3.5mm, 4.2mm, 4.8mm      |
| Screw/Bolts Lengths | 3/8 → 1in            | 3/8 → 1in            | 13 → 38mm                | 9.5 → 25mm               |



|                     | Thread Rolling Screws                                                             |                                                                                    |                                                                                     | Security Screw                                                                      |
|---------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                     | Bright Zinc Plated, Clear Passivated Steel                                        | Bright Zinc Plated Steel                                                           | Bright Zinc Plated Steel                                                            | Zinc Plated Steel<br>Machine Screw Kit                                              |
|                     |  |  |  |  |
|                     | 483-1319                                                                          | 482-7528                                                                           | 482-7534                                                                            | 483-931                                                                             |
| Brand               | RS PRO                                                                            | RS PRO                                                                             | RS PRO                                                                              | System Zero                                                                         |
| Drive Type          | Cross Recessed                                                                    | Cross Recessed                                                                     | Cross Recessed                                                                      | System Zero                                                                         |
| Number of Pieces    | 250                                                                               | 250                                                                                | 250                                                                                 | 1017                                                                                |
| Head Shape          | Pan                                                                               | Pan                                                                                | Countersunk                                                                         | System Zero                                                                         |
| Thread Sizes        | M3, M4                                                                            | No. 10, No. 4, No. 6, No. 8                                                        | No. 10, No. 4, No. 6, No. 8                                                         | M2.5, M3, M3.5, M4, M5, M6                                                          |
| Screw/Bolts Lengths | 5 → 12mm                                                                          | 1/4 → 3/8in                                                                        | 1/4 → 3/4in                                                                         | 6 → 40mm                                                                            |

|                     | Hex Bolt                                                                          |                                                                                    | Hex Set Screws                                                                      |                                                                                     |                                                                                     |
|---------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                     | A2 Stainless Steel                                                                | Bright Zinc Plated, Steel                                                          | A2 Stainless Steel                                                                  | A4 Stainless Steel                                                                  | Bright Zinc Plated, Clear Passivated, Steel                                         |
|                     |  |  |  |  |  |
|                     | 701-3848                                                                          | 725-9978                                                                           | 466-7720                                                                            | 526-5482                                                                            | 278-118                                                                             |
| Brand               | RS PRO                                                                            | RS PRO                                                                             | RS PRO                                                                              | RS PRO                                                                              | RS PRO                                                                              |
| Drive Type          | Hex                                                                               | Hex                                                                                | Hex                                                                                 | Hex                                                                                 | Hex                                                                                 |
| Number of Pieces    | 390                                                                               | 476                                                                                | 624                                                                                 | 624                                                                                 | 1184                                                                                |
| Head Shape          | Hex                                                                               | Hex                                                                                | Hex                                                                                 | Hex                                                                                 | Set                                                                                 |
| Thread Sizes        | M10, M12, M8                                                                      | M10, M12, M6, M8                                                                   | M10, M12, M6, M8                                                                    | M10, M12, M6, M8                                                                    | M10, M12, M4, M5, M6, M8                                                            |
| Screw/Bolts Lengths | 35 → 100mm                                                                        | 30 → 80mm                                                                          | 20 → 50mm                                                                           | 20 → 50mm                                                                           | 10 → 50mm                                                                           |
| Nut Type            | Hex                                                                               | Hex                                                                                | Hex                                                                                 | Hex                                                                                 |                                                                                     |

|                     | Workshop Cap Screw                                                                | Machine Screw                                                                      |                                                                                     |                                                                                     |                                                                                     |
|---------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                     | Bright Zinc Plated Steel                                                          | A4 Stainless Steel                                                                 | Bright Zinc Plated Steel                                                            | A2 Stainless Steel                                                                  | A2 Stainless Steel                                                                  |
|                     |  |  |  |  |  |
|                     | 233-4349                                                                          | 823-875                                                                            | 819-9000                                                                            | 281-978                                                                             | 281-984                                                                             |
| Brand               | RS PRO                                                                            | RS PRO                                                                             | RS PRO                                                                              | RS PRO                                                                              | RS PRO                                                                              |
| Drive Type          | Hex Socket                                                                        | Slot                                                                               | Slot                                                                                | Slot                                                                                | Cross Recessed                                                                      |
| Number of Pieces    | 3100                                                                              | 1897                                                                               | 2370                                                                                | 3137                                                                                | 3168                                                                                |
| Head Shape          | Hex                                                                               |                                                                                    | Cheese                                                                              | Countersunk & Pan                                                                   | Countersunk & Pan                                                                   |
| Thread Sizes        | M10, M4, M6, M8                                                                   | M3, M4, M5, M6                                                                     | M3, M4, M5                                                                          | M2, M2.5, M3, M4, M5, M6                                                            | M2, M2.5, M3, M4, M5, M6                                                            |
| Screw/Bolts Lengths | 10 → 50mm                                                                         | 6 → 25mm                                                                           | 6 → 25mm                                                                            | 6 → 25mm                                                                            | 6 → 25mm                                                                            |
| Nut Type            | Hex Full & Nylon Locking Nut                                                      | Hex Full                                                                           | Hex Full                                                                            | Hex Full                                                                            | Hex Full                                                                            |
| Washer Type         | Plain                                                                             | Plain                                                                              | Plain                                                                               | Plain                                                                               | Plain                                                                               |

|                     | Machine Screw                                                                       |                                                                                     |                                                                                       |                                                                                       | Electrician's Kits                                                                    | Security Screw                                                                        |
|---------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                     | A4 Stainless Steel                                                                  | Self Colour Brass                                                                   | Bright Zinc Plated, Clear Passivated Steel                                            | Nickel Plated Brass                                                                   | Nickel Plated Brass (Raised Csk) & Self Colour (Pan, nut, washer)                     | A2 Stainless Steel                                                                    |
|                     |  |  |  |  |  |  |
|                     | 395-434                                                                             | 100-282                                                                             | 281-962                                                                               | 482-7742                                                                              | 100-226                                                                               | 819-9004                                                                              |
| Brand               | RS PRO                                                                              | RS PRO                                                                              | RS PRO                                                                                | RS PRO                                                                                | RS PRO                                                                                | RS PRO                                                                                |
| Drive Type          | Cross Recessed                                                                      | Slot                                                                                | Cross Recessed                                                                        | Slot                                                                                  | Slot                                                                                  | Torx                                                                                  |
| Number of Pieces    | 1905                                                                                | 2061                                                                                | 3160                                                                                  | 3208                                                                                  | 1250                                                                                  | 2475                                                                                  |
| Head Shape          | Countersunk & Pan                                                                   | Pan                                                                                 | Countersunk & Pan                                                                     | Pan                                                                                   | Raised Csk & Pan                                                                      | Countersunk                                                                           |
| Thread Sizes        | M3, M4, M5, M6                                                                      | M2, M3, M4, M5, M6                                                                  | M2, M2.5, M3, M4, M5, M6                                                              | M2.5, M3, M3.5, M4, M5, M6                                                            | M3.5, M4                                                                              | M3, M4, M5, M6                                                                        |
| Screw/Bolts Lengths | 6 → 30mm                                                                            | 6 → 30mm                                                                            | 6 → 40mm                                                                              | 6 → 40mm                                                                              | 6 → 75mm                                                                              | 6 → 25mm                                                                              |
| Nut Type            | Hex Full                                                                            | Hex Full                                                                            | Hex Full                                                                              | Hex Full                                                                              | Hex Full                                                                              | Hex Full                                                                              |
| Washer Type         | Plain                                                                               | Plain                                                                               | Plain                                                                                 | Plain                                                                                 | Plain                                                                                 | Plain                                                                                 |

## FASTENER KITS

## NUT KITS



|                  | Dome                                                                              | Hex Full                                                                           |                                                                                     |                                                                                     |
|------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                  | Bright Zinc Plated Steel                                                          | Bright Zinc Plated Steel                                                           | A2 Stainless Steel                                                                  | A4 Stainless Steel                                                                  |
|                  |  |  |  |  |
|                  | 282-8894                                                                          | 823-881                                                                            | 200-9784                                                                            | 200-9778                                                                            |
| Brand            | RS PRO                                                                            | RS PRO                                                                             | RS PRO                                                                              | RS PRO                                                                              |
| Number of Pieces | 315                                                                               | 2140                                                                               | 1710                                                                                | 820                                                                                 |
| Thread Sizes     | M3, M4, M5, M6, M8                                                                | M2, M2.5, M3, M4, M5, M6, M8, M10                                                  | M2, M2.5, M3, M4, M5, M6, M8, M10                                                   | M3, M4, M5, M6, M8, M10, M12                                                        |

|                  | Hex Full                                                                           | Nylon Insert Self Locking                                                           |                                                                                      |                                                                                      | Wing                                                                                 |
|------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                  | Self Colour Brass                                                                  | Bright Zinc Plated Steel                                                            | A2 Stainless Steel                                                                   | A4 Stainless Steel                                                                   | Bright Zinc Plated Steel                                                             |
|                  |  |  |  |  |  |
|                  | 100-210                                                                            | 278-095                                                                             | 200-9813                                                                             | 200-9807                                                                             | 282-8888                                                                             |
| Brand            | RS PRO                                                                             | RS PRO                                                                              | RS PRO                                                                               | RS PRO                                                                               | RS PRO                                                                               |
| Number of Pieces | 1070                                                                               | 545                                                                                 | 545                                                                                  | 545                                                                                  | 340                                                                                  |
| Thread Sizes     | M2, M3, M4, M5, M6, M8, M10                                                        | M3, M4, M5, M6, M8, M10, M12                                                        | M3, M4, M5, M6, M8, M10, M12                                                         | M3, M4, M5, M6, M8, M10, M12                                                         | M3, M4, M5, M6, M8, M10, M12                                                         |

|                  | Internal Tooth Shakeproof, Plain & Spring                                         |                                                                                    |                                                                                     | Mudguard                                                                            |
|------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                  | Bright Zinc Plated Steel                                                          | A2 Stainless Steel                                                                 | A4 Stainless Steel                                                                  | Bright Zinc Plated Steel                                                            |
|                  |  |  |  |  |
|                  | 281-956                                                                           | 200-9835                                                                           | 665-7321                                                                            | 687-9868                                                                            |
| Brand            | RS PRO                                                                            | RS PRO                                                                             | RS PRO                                                                              | RS PRO                                                                              |
| Number of Pieces | 3000                                                                              | 3000                                                                               | 2100                                                                                | 360                                                                                 |
| Thread Sizes     | M2, M2.5, M3, M4, M5, M6                                                          | M2, M2.5, M3, M4, M5, M6                                                           | M3, M4, M5, M6                                                                      | M5, M6, M8, M10                                                                     |

|                  | Mudguard                                                                           |                                                                                     | Plain                                                                                |                                                                                      |
|------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|                  | A2 Stainless Steel                                                                 | A4 Stainless Steel                                                                  | Self Colour Brass                                                                    | Red Vulcanised Fibre                                                                 |
|                  |  |  |  |  |
|                  | 395-418                                                                            | 721-1487                                                                            | 482-8442                                                                             | 289-174                                                                              |
| Brand            | RS PRO                                                                             | RS PRO                                                                              | RS PRO                                                                               | RS PRO                                                                               |
| Number of Pieces | 240                                                                                | 240                                                                                 | 1080                                                                                 | 1465                                                                                 |
| Thread Sizes     | M5, M6, M8, M10                                                                    | M5, M6, M8, M10                                                                     | M2, M3, M4, M5, M6, M8, M10                                                          | M2.5, M3, M4, M5, M6, M8, M10, M12                                                   |

## Hex Nut, Plain Washer and Internal Tooth Shakeproof Washer

|                  | Nickel Plated Brass (Hex nut, plain) and Zinc Plated Steel (Internal tooth)       | Nickel Plated Brass (Hex nut, plain) and Zinc Plated Steel (Internal tooth)       | Nickel Plated Brass (Hex nut, plain) and Zinc Plated Steel (Internal tooth)         | Nickel Plated Brass (Hex nut, plain) and Zinc Plated Steel (Internal tooth)         | Nickel Plated Brass (Hex nut, plain) and Zinc Plated Steel (Internal tooth)         | Nickel Plated Brass (Hex nut, plain) and Zinc Plated Steel (Internal tooth)         |
|------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                  |  |  |  |  |  |  |
|                  | 483-0855                                                                          | 483-0861                                                                          | 483-0877                                                                            | 483-0883                                                                            | 483-0906                                                                            | 483-0912                                                                            |
| Brand            | RS PRO                                                                            | RS PRO                                                                            | RS PRO                                                                              | RS PRO                                                                              | RS PRO                                                                              | RS PRO                                                                              |
| Number of Pieces | 400                                                                               | 400                                                                               | 400                                                                                 | 300                                                                                 | 200                                                                                 | 200                                                                                 |
| Thread Sizes     | M2.5                                                                              | M3                                                                                | M3.5                                                                                | M4                                                                                  | M5                                                                                  | M6                                                                                  |
| Nut Type         | Hex Full                                                                          | Hex Full                                                                          | Hex Full                                                                            | Hex Full                                                                            | Hex Full                                                                            | Hex Full                                                                            |

|                | RS PRO Slotted Hex                                                                |                  |                  | JCS HI-GRIP Slotted Hex                                                           | JCS HI-GRIP Slotted Hex                                                            | JCS HI-TORQUE Slotted Hex                                                           | Jubilee Slotted Hex                                                                 |                |                | Jubilee High Torque Slotted Hex 8mm A/F                                             | RS PRO Plastic Hose Clip                                                            | RS PRO Wing                                                                         | JCS HI-GRIP Wing                                                                    |
|----------------|-----------------------------------------------------------------------------------|------------------|------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                |  |                  |                  |  |  |  |  |                |                |  |  |  |  |
| Band Width     | 12mm                                                                              | 12mm             | 12mm             | 13mm                                                                              | 13mm                                                                               | 16mm                                                                                | 13mm                                                                                | 13mm           | 13mm           | 16mm                                                                                | 16mm                                                                                | 12mm                                                                                | 13mm                                                                                |
|                | Zinc Plated Mild Steel                                                            | A2               | A4               | Zinc Plated Mild Steel                                                            | A2                                                                                 | A2                                                                                  | Zinc Plated Mild Steel                                                              | A2             | A4             | A2                                                                                  | Nylon                                                                               | Zinc Plated Mild Steel                                                              | Zinc Plated Mild Steel                                                              |
| 5.6 - 6.5mm    |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 475-1415                                                                            |                                                                                     |                                                                                     |
| 6.5 - 8.1mm    |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-587                                                                             |                                                                                     |                                                                                     |
| 7.9 - 9.6mm    |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-593                                                                             |                                                                                     |                                                                                     |
| 9.2 - 10.8mm   |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-600                                                                             |                                                                                     |                                                                                     |
| 9.5 - 12mm     | 145-0264 (9.5mm)                                                                  | 145-0264 (9.5mm) | 145-0264 (9.5mm) | 525-177 (9mm)                                                                     | 528-378 (9mm)                                                                      |                                                                                     | 908-8961 (9mm)                                                                      | 908-9100 (9mm) | 124-5638 (9mm) |                                                                                     |                                                                                     | 145-0287                                                                            | 270-007 (9mm)                                                                       |
| 10.2 - 11mm    |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-616                                                                             |                                                                                     |                                                                                     |
| 11 - 16mm      | 145-0265 (9.5mm)                                                                  | 145-0265 (9.5mm) | 145-0265 (9.5mm) | 525-183 (9mm)                                                                     | 528-384 (9mm)                                                                      |                                                                                     | 908-8970 (9mm)                                                                      | 908-9119 (9mm) | 124-5639 (9mm) |                                                                                     |                                                                                     | 145-0288                                                                            | 270-013 (9mm)                                                                       |
| 11.5 - 13.4mm  |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-622                                                                             |                                                                                     |                                                                                     |
| 12 - 14.5mm    |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-638                                                                             |                                                                                     |                                                                                     |
| 13 - 20mm      | 145-0266 (9.5mm)                                                                  | 145-0266 (9.5mm) | 145-0266 (9.5mm) | 525-199 (9mm)                                                                     | 528-390 (9mm)                                                                      |                                                                                     | 908-8973 (9mm)                                                                      | 908-9112 (9mm) | 124-5640 (9mm) |                                                                                     |                                                                                     | 145-0289                                                                            | 270-029 (9mm)                                                                       |
| 13.1 - 15.7mm  |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-644                                                                             |                                                                                     |                                                                                     |
| 14 - 22mm      |                                                                                   |                  |                  | 525-206                                                                           | 528-407                                                                            |                                                                                     |                                                                                     |                |                |                                                                                     |                                                                                     |                                                                                     | 270-035                                                                             |
| 15 - 17.8 mm   |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-650                                                                             |                                                                                     |                                                                                     |
| 16 - 22mm      | 145-0267                                                                          | 145-0267         | 145-0267         |                                                                                   |                                                                                    |                                                                                     | 908-8977                                                                            | 908-9116       | 124-5641       |                                                                                     |                                                                                     | 145-0290                                                                            |                                                                                     |
| 16.9 - 19.9 mm |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-666                                                                             |                                                                                     |                                                                                     |
| 17 - 25mm      |                                                                                   |                  |                  | 525-212                                                                           | 528-413                                                                            |                                                                                     |                                                                                     |                |                |                                                                                     |                                                                                     |                                                                                     | 270-041                                                                             |
| 18 - 25mm      | 145-0268                                                                          | 145-0268         | 145-0268         |                                                                                   |                                                                                    |                                                                                     | 908-8986                                                                            | 908-9125       | 124-5643       |                                                                                     |                                                                                     | 145-0291                                                                            |                                                                                     |
| 18.1 - 20.6mm  |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-672                                                                             |                                                                                     |                                                                                     |
| 20.3 - 23.7 mm |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-688                                                                             |                                                                                     |                                                                                     |
| 22 - 30mm      | 145-0269                                                                          | 145-0269         | 145-0269         | 525-228                                                                           | 528-429                                                                            |                                                                                     |                                                                                     |                |                |                                                                                     |                                                                                     | 145-0292                                                                            | 270-057                                                                             |
| 23.1-26.1 mm   |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-694                                                                             |                                                                                     |                                                                                     |
| 24.5 - 28.4 mm |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-701                                                                             |                                                                                     |                                                                                     |
| 25 - 35mm      | 145-0270                                                                          | 145-0270         | 145-0270         | 525-234                                                                           | 528-435                                                                            |                                                                                     |                                                                                     |                |                |                                                                                     |                                                                                     | 145-0293                                                                            | 270-063                                                                             |
| 26.5 - 30.4 mm |                                                                                   |                  |                  |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                |                |                                                                                     | 291-717                                                                             |                                                                                     |                                                                                     |
| 20 - 27mm      |                                                                                   |                  |                  |                                                                                   |                                                                                    | 494-2093                                                                            |                                                                                     |                |                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 20 - 30mm      |                                                                                   |                  |                  |                                                                                   |                                                                                    | 494-2100                                                                            |                                                                                     |                |                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 20 - 35mm      |                                                                                   |                  |                  |                                                                                   |                                                                                    | 494-2116                                                                            |                                                                                     |                |                | 124-5739                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 25 - 40mm      |                                                                                   |                  |                  |                                                                                   |                                                                                    | 494-2122                                                                            |                                                                                     |                |                | 124-5740                                                                            |                                                                                     |                                                                                     |                                                                                     |

## HOSE & JUBILEE CLIPS

## WORM DRIVES



|             | RS PRO Slotted Hex                                                                |          |          | JCS HI-GRIP Slotted Hex                                                           | JCS HI-GRIP Slotted Hex                                                            | JCS HI-TORQUE Slotted Hex                                                           | Jubilee Slotted Hex                                                                 |          |          | Jubilee High Torque Slotted Hex 8mm A/F                                             | RS PRO Plastic Hose Clip                                                            | RS PRO Wing                                                                         | JCS HI-GRIP Wing                                                                    |
|-------------|-----------------------------------------------------------------------------------|----------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|             |  |          |          |  |  |  |  |          |          |  |  |  |  |
| Band Width  | 12mm                                                                              | 12mm     | 12mm     | 13mm                                                                              | 13mm                                                                               | 16mm                                                                                | 13mm                                                                                | 13mm     | 13mm     | 16mm                                                                                | 16mm                                                                                | 12mm                                                                                | 13mm                                                                                |
|             | Zinc Plated Mild Steel                                                            | A2       | A4       | Zinc Plated Mild Steel                                                            | A2                                                                                 | A2                                                                                  | Zinc Plated Mild Steel                                                              | A2       | A4       | A2                                                                                  | Nylon                                                                               | Zinc Plated Mild Steel                                                              | Zinc Plated Mild Steel                                                              |
| 25 - 45mm   |                                                                                   |          |          |                                                                                   |                                                                                    | 494-2138                                                                            |                                                                                     |          |          | 124-5741                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 30 - 40mm   | 145-0271                                                                          | 145-0271 | 145-0271 | 525-240                                                                           | 528-441                                                                            |                                                                                     |                                                                                     |          |          |                                                                                     |                                                                                     | 145-0294                                                                            | 270-079                                                                             |
| 30 - 50mm   |                                                                                   |          |          |                                                                                   |                                                                                    | 494-2144                                                                            |                                                                                     |          |          | 124-5742                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 32 - 45mm   |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     | 908-8995                                                                            | 908-9134 | 124-5647 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 35 - 45mm   | 145-0272                                                                          | 145-0272 | 145-0272 | 525-256                                                                           | 530-214                                                                            |                                                                                     |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     | 270-085                                                                             |
| 35 - 50mm   | 145-0273                                                                          | 145-0273 | 145-0273 | 525-262                                                                           | 530-220                                                                            |                                                                                     |                                                                                     |          |          |                                                                                     |                                                                                     | 145-0295                                                                            |                                                                                     |
| 40 - 55mm   | 145-0274                                                                          | 145-0274 | 145-0274 | 525-278                                                                           | 530-236                                                                            |                                                                                     |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 40 - 60mm   |                                                                                   |          |          |                                                                                   |                                                                                    | 494-2150                                                                            |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 40 - 70mm   |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5745                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 45 - 60mm   | 145-0275                                                                          | 145-0275 | 145-0275 | 525-284                                                                           | 530-242                                                                            |                                                                                     |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 45 - 65mm   |                                                                                   |          |          |                                                                                   |                                                                                    | 494-2166                                                                            |                                                                                     |          |          | 124-5744                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 50 - 70mm   |                                                                                   |          |          |                                                                                   |                                                                                    | 494-2172                                                                            |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 55 - 70mm   | 145-0277                                                                          | 145-0277 | 145-0277 | 277-840                                                                           | 277-907                                                                            |                                                                                     |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 60 - 80mm   | 145-0278                                                                          | 145-0278 | 145-0278 | 277-856                                                                           | 277-913                                                                            | 494-2188                                                                            |                                                                                     |          |          | 124-5746                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 70 - 90mm   | 145-0279                                                                          | 145-0279 | 145-0279 | 277-862                                                                           | 277-929                                                                            | 494-2201                                                                            |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 70 - 95mm   |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5747                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 75 - 95mm   |                                                                                   |          |          |                                                                                   |                                                                                    | 494-2217                                                                            |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 80 - 100mm  |                                                                                   |          |          | 277-878                                                                           | 277-935                                                                            | 494-2223                                                                            |                                                                                     |          |          | 124-5748                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 85 - 100mm  | 145-0280                                                                          | 145-0280 | 145-0280 |                                                                                   |                                                                                    |                                                                                     | 908-9015                                                                            | 908-9150 | 124-5654 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 90 - 120mm  | 145-0281                                                                          | 145-0281 | 145-0281 | 277-884                                                                           | 277-941                                                                            | 494-2239                                                                            |                                                                                     |          |          | 124-5749                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 110 - 140mm |                                                                                   |          |          | 277-890                                                                           | 277-957                                                                            | 494-2245                                                                            |                                                                                     |          |          | 124-5750                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 120 - 140mm | 145-0260                                                                          | 145-0283 | 172-0609 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 120 - 150mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     | 908-9021                                                                            | 908-9166 | 124-5657 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 130 - 150mm | 145-0261                                                                          | 145-0284 | 172-0610 |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 130 - 160mm | 145-0285                                                                          | 145-0285 | 145-0285 | 688-0934                                                                          | 700-4346                                                                           | 494-2267                                                                            |                                                                                     |          |          | 124-5751                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 135 - 165mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     | 908-9030                                                                            | 908-9175 | 124-5659 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 150 - 180mm | 145-0286                                                                          | 145-0286 | 145-0286 | 700-4337                                                                          | 700-4349                                                                           | 494-2273                                                                            |                                                                                     |          |          | 124-5752                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 158 - 190mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     | 908-9033                                                                            | 908-9178 | 124-5660 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |



|             | RS PRO Slotted Hex                                                                |          |          | JCS HI-GRIP Slotted Hex                                                           | JCS HI-GRIP Slotted Hex                                                            | JCS HI-TORQUE Slotted Hex                                                           | Jubilee Slotted Hex                                                                 |          |          | Jubilee High Torque Slotted Hex 8mm A/F                                             | RS PRO Plastic Hose Clip                                                            | RS PRO Wing                                                                         | JCS HI-GRIP Wing                                                                    |
|-------------|-----------------------------------------------------------------------------------|----------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|             |  |          |          |  |  |  |  |          |          |  |  |  |  |
| Band Width  | 12mm                                                                              | 12mm     | 12mm     | 13mm                                                                              | 13mm                                                                               | 16mm                                                                                | 13mm                                                                                | 13mm     | 13mm     | 16mm                                                                                | 16mm                                                                                | 12mm                                                                                | 13mm                                                                                |
|             | Zinc Plated Mild Steel                                                            | A2       | A4       | Zinc Plated Mild Steel                                                            | A2                                                                                 | A2                                                                                  | Zinc Plated Mild Steel                                                              | A2       | A4       | A2                                                                                  | Nylon                                                                               | Zinc Plated Mild Steel                                                              | Zinc Plated Mild Steel                                                              |
| 170 - 200mm | 145-0263                                                                          | 145-0263 | 145-0263 | 272-716                                                                           | 700-4343                                                                           | 494-2289                                                                            |                                                                                     |          |          | 124-5753                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 184 - 216mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     | 908-9037                                                                            | 908-9172 | 124-5661 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 190 - 220mm |                                                                                   |          |          |                                                                                   |                                                                                    | 494-2295                                                                            |                                                                                     |          |          | 124-5754                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 210 - 240mm |                                                                                   |          |          |                                                                                   |                                                                                    | 494-2302                                                                            |                                                                                     |          |          | 124-5755                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 210 - 242mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     | 124-5666                                                                            | 124-5671 | 124-5662 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 230 - 260mm |                                                                                   |          |          |                                                                                   |                                                                                    | 700-4352                                                                            |                                                                                     |          |          | 124-5756                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 235 - 267mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     | 124-5667                                                                            | 124-5672 | 124-5663 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 250 - 280mm |                                                                                   |          |          |                                                                                   |                                                                                    | 700-4355                                                                            |                                                                                     |          |          | 124-5757                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 260 - 292mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     | 124-5668                                                                            | 124-5673 | 124-5664 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 270 - 300mm |                                                                                   |          |          |                                                                                   |                                                                                    | 700-4359                                                                            |                                                                                     |          |          | 124-5758                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 286 - 318mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     | 124-5669                                                                            | 124-5674 | 124-5665 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 290 - 320mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5759                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 310 - 340mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5760                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 330 - 360mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5761                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 350 - 380mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5762                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 370 - 400mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5763                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 390 - 420mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5764                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 410 - 440mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5766                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 430 - 460mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5767                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 450 - 480mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5768                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 470 - 500mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5769                                                                            |                                                                                     |                                                                                     |                                                                                     |
| 490 - 520mm |                                                                                   |          |          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |          |          | 124-5770                                                                            |                                                                                     |                                                                                     |                                                                                     |

## HOSE & JUBILEE CLIPS

## BOLT DRIVES, MINI-CLIPS & QUICK RELEASE STRAPS



|             | Jubilee 8mm Bolt Head Super-clamp                                                 |          |          | Jubilee 10mm Bolt Head Super-clamp                                                |      |      | Jubilee 13mm Bolt Head Super-clamp                                                 |      |      | MIKALOR Heavy Duty Bolt Drive Supra Clamp                                           |                 | JCS Slotted Hex Mini-Clip                                                           | Jubilee Slotted Hex Mini Clip                                                       |                        | Unex Slotted Screw Hose Clip                                                        | Unex Hex Hose Clip                                                                  | RS PRO O Clip                                                                       |                  | Jubilee O Clip                                                                      |                  |
|-------------|-----------------------------------------------------------------------------------|----------|----------|-----------------------------------------------------------------------------------|------|------|------------------------------------------------------------------------------------|------|------|-------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|------------------|
|             |  |          |          |  |      |      |  |      |      |  |                 |  |  |                        |  |  |  |                  |  |                  |
| Band Width  | 18mm                                                                              | 18mm     | 18mm     | 20mm                                                                              | 20mm | 20mm | 25mm                                                                               | 25mm | 25mm | Various                                                                             | Various         | 9mm                                                                                 | 9.1mm                                                                               | 9.1mm                  | 11mm                                                                                | 11mm                                                                                | Various                                                                             | Various          | Various                                                                             | Various          |
|             | Mild Steel                                                                        | A2       | A4       | Mild Steel                                                                        | A2   | A4   | Mild Steel                                                                         | A2   | A4   | St St Band Arch, Zinc-Plated (Bolt)                                                 | A2              | Zinc Plated Mild Steel                                                              | A2                                                                                  | Zinc-Plated Mild Steel | A2                                                                                  | A2                                                                                  | Zinc Plated Mild Steel                                                              | A2               | Mild Steel                                                                          | A2               |
| 5 - 7mm     |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     | 436-370 (6mm)                                                                       |                  | 144-0700 (6mm)                                                                      | 144-0714 (6mm)   |
| 7 - 9mm     |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 | 727-5905                                                                            | 908-9181                                                                            | 908-9046               |                                                                                     |                                                                                     | 436-386 (6mm)                                                                       | 726-3595 (6mm)   | 144-0701 (7mm)                                                                      |                  |
| 7.4 - 10mm  |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        | 288-2860                                                                            | 288-4074                                                                            |                                                                                     |                  |                                                                                     |                  |
| 8 - 10mm    |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 | 727-5914                                                                            | 908-9184                                                                            | 908-9049               |                                                                                     |                                                                                     |                                                                                     |                  |                                                                                     | 144-0715 (7mm)   |
| 9 - 11mm    |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 | 727-5917                                                                            | 908-9188                                                                            | 908-9043               |                                                                                     |                                                                                     | 436-392 (7mm)                                                                       | 726-3598 (6.5mm) | 144-0702 (7mm)                                                                      | 144-0716 (7mm)   |
| 9 - 12mm    |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     | 288-4080                                                                            |                                                                                     |                  |                                                                                     |                  |
| 9.6 - 14mm  |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        | 288-4103                                                                            | 288-2804                                                                            |                                                                                     |                  |                                                                                     |                  |
| 10 - 12mm   |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 | 727-5911                                                                            | 908-9197                                                                            | 908-9052               |                                                                                     |                                                                                     |                                                                                     |                  |                                                                                     | 144-0717 (7mm)   |
| 11 - 13mm   |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 | 727-5920                                                                            | 908-9190                                                                            | 908-9055               |                                                                                     |                                                                                     | 436-409 (7mm)                                                                       | 726-3592 (6.5mm) | 144-0703 (7mm)                                                                      | 144-0718 (7.5mm) |
| 12 - 14mm   |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 | 727-5923                                                                            | 908-9194                                                                            | 908-9059               |                                                                                     |                                                                                     |                                                                                     |                  |                                                                                     | 144-0719 (8mm)   |
| 13 - 15mm   |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 | 727-5927                                                                            | 908-9204                                                                            | 908-9068               |                                                                                     |                                                                                     | 436-415 (7.5mm)                                                                     | 726-3602 (7mm)   | 144-0704 (7.5mm)                                                                    | 144-0720 (8mm)   |
| 14 - 16mm   |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 | 727-5936                                                                            | 908-9207                                                                            | 908-9061               |                                                                                     |                                                                                     |                                                                                     |                  | 144-0705 (8mm)                                                                      | 144-0721 (8.5mm) |
| 14 - 19mm   |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        | 288-4119                                                                            | 288-2810                                                                            |                                                                                     |                  |                                                                                     |                  |
| 15 - 17mm   |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     | 908-9065               |                                                                                     |                                                                                     | 436-421 (8mm)                                                                       | 726-3605 (7.5mm) | 144-0706 (8mm)                                                                      | 144-0722 (9mm)   |
| 16 - 18mm   |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     | 908-9074               |                                                                                     |                                                                                     |                                                                                     |                  |                                                                                     | 144-0723 (9mm)   |
| 17 - 19mm   | 124-5675                                                                          | 124-5686 | 124-5711 |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     | 436-437 (8.5mm)                                                                     | 726-3609 (7.5mm) | 144-0707 (8.5mm)                                                                    | 144-0725 (10mm)  |
| 17.3 - 22mm |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        | 288-4125                                                                            | 288-2826                                                                            |                                                                                     |                  |                                                                                     |                  |
| 18 - 20mm   |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     | 908-9077               |                                                                                     |                                                                                     |                                                                                     | 726-3618 (8mm)   | 144-0708 (9mm)                                                                      |                  |
| 19.8 - 25mm |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     | 288-2832                                                                            |                                                                                     |                  |                                                                                     |                  |
| 20 - 22mm   | 124-5676                                                                          | 124-5687 | 124-5712 |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     | 436-443 (9mm)                                                                       | 726-3611 (8mm)   | 144-0709 (9mm)                                                                      |                  |
| 21.8 - 27mm |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        | 288-4147                                                                            | 288-3223                                                                            |                                                                                     |                  |                                                                                     |                  |
| 22 - 25mm   |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     |                                                                                     |                  | 144-0710 (10mm)                                                                     |                  |
| 23 - 25mm   | 124-5677                                                                          | 124-5688 | 124-5713 |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     | 436-459 (10mm)                                                                      |                  | 144-0711 (10mm)                                                                     |                  |
| 25 - 27mm   |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      | 526-5498 (18mm)                                                                     | 265-0180 (18mm) |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     |                                                                                     |                  | 144-0712 (10mm)                                                                     |                  |
| 25 - 30mm   |                                                                                   |          |          |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        | 288-2898                                                                            | 288-4096                                                                            |                                                                                     |                  |                                                                                     |                  |
| 26 - 28mm   | 121-9820                                                                          | 121-9806 | 124-5714 |                                                                                   |      |      |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     |                                                                                     |                  |                                                                                     |                  |

|              | Jubilee 8mm Bolt Head Super-clamp                                                 |          |          | Jubilee 10mm Bolt Head Super-clamp                                                |          |          | Jubilee 13mm Bolt Head Super-clamp                                                 |      |      | MIKALOR Heavy Duty Bolt Drive Supra Clamp                                           |                 | JCS Slotted Hex Mini-Clip                                                           | Jubilee Slotted Hex Mini Clip                                                       |                        |          | Unex Slotted Screw Hose Clip                                                        | Unex Hex Hose Clip                                                                  | Jubilee Slotted Hex Quick Release Strap                                             |          | Jubilee Slotted Screw Quick Release Strap                                           |
|--------------|-----------------------------------------------------------------------------------|----------|----------|-----------------------------------------------------------------------------------|----------|----------|------------------------------------------------------------------------------------|------|------|-------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
|              |  |          |          |  |          |          |  |      |      |  |                 |  |  |                        |          |  |  |  |          |  |
| Band Width   | 18mm                                                                              | 18mm     | 18mm     | 20mm                                                                              | 20mm     | 20mm     | 25mm                                                                               | 25mm | 25mm | Various                                                                             | Various         | 9mm                                                                                 | 9.1mm                                                                               | 9.1mm                  | 11mm     | 11mm                                                                                |                                                                                     | 11mm                                                                                | 11mm     | 7mm                                                                                 |
|              | Mild Steel                                                                        | A2       | A4       | Mild Steel                                                                        | A2       | A4       | Mild Steel                                                                         | A2   | A4   | St St Band Arch, Zinc-Plated (Bolt)                                                 | A2              | Zinc Plated Mild Steel                                                              | A2                                                                                  | Zinc-Plated Mild Steel | A2       | A2                                                                                  |                                                                                     | Mild Steel                                                                          | A2       | A2                                                                                  |
| 28 - 31mm    |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 29 - 31mm    | 124-5678                                                                          | 124-5689 | 124-5716 |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 30 - 35mm    |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        | 288-4153 | 288-2848                                                                            |                                                                                     |                                                                                     |          |                                                                                     |
| 31 - 34mm    |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      | 526-5505 (20mm)                                                                     | 265-0196 (20mm) |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 32 - 35mm    |                                                                                   |          |          | 121-9821                                                                          | 121-9807 | 124-5717 |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 34 - 37mm    |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      | 701-3870 (20mm)                                                                     | 701-3842 (20mm) |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 35 - 50mm    |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0729                                                                            | 144-0754 | 144-0778                                                                            |
| 35.3 - 41 mm |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        | 288-4169 | 288-2854                                                                            |                                                                                     |                                                                                     |          |                                                                                     |
| 36 - 39mm    |                                                                                   |          |          | 121-9796                                                                          | 121-9808 | 124-5718 |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 37 - 40mm    |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      | 526-5511 (20mm)                                                                     | 265-0203 (20mm) |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 40 - 43mm    |                                                                                   |          |          | 121-9798                                                                          | 121-9815 | 124-5719 |                                                                                    |      |      | 701-3889 (20mm)                                                                     | 701-3851 (20mm) |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 43 - 47mm    |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      | 526-5533 (20mm)                                                                     | 265-0219 (20mm) |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 44 - 47mm    |                                                                                   |          |          | 121-9822                                                                          | 121-9810 | 124-5720 |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 45 - 75mm    |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0731                                                                            | 144-0755 | 144-0779                                                                            |
| 47 - 51mm    |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      | 701-3882 (20mm)                                                                     | 701-3854 (20mm) |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 48 - 51mm    |                                                                                   |          |          | 121-9799                                                                          | 121-9816 | 124-5721 |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 50 - 100mm   |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0732                                                                            | 144-0756 | 144-0781                                                                            |
| 50 - 120mm   |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0733                                                                            | 144-0757 | 144-0782                                                                            |
| 50 - 150mm   |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0734                                                                            | 144-0758 | 144-0783                                                                            |
| 50 - 175mm   |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0735                                                                            | 144-0759 | 144-0784                                                                            |
| 50 - 200mm   |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0736                                                                            | 144-0760 | 144-0785                                                                            |
| 50 - 225mm   |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0737                                                                            | 144-0761 | 144-0786                                                                            |
| 50 - 250mm   |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0738                                                                            | 144-0762 | 144-0787                                                                            |
| 50 - 275mm   |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0739                                                                            | 144-0763 | 144-0788                                                                            |
| 50 - 300mm   |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0740                                                                            | 144-0764 | 144-0789                                                                            |
| 50 - 330mm   |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0741                                                                            | 144-0765 | 144-0790                                                                            |
| 50 - 355mm   |                                                                                   |          |          |                                                                                   |          |          |                                                                                    |      |      |                                                                                     |                 |                                                                                     |                                                                                     |                        |          |                                                                                     |                                                                                     | 144-0742                                                                            | 144-0766 | 144-0791                                                                            |

## HOSE & JUBILEE CLIPS

## BOLT DRIVES, MINI-CLIPS & QUICK RELEASE STRAPS



|            | Jubilee 8mm Bolt Head Super-clamp                                                 |      |      | Jubilee 10mm Bolt Head Super-clamp                                                |          |          | Jubilee 13mm Bolt Head Super-clamp                                                 |          |          | MIKALOR Heavy Duty Bolt Drive Supra Clamp                                           |                 | JCS Slotted Hex Mini-Clip                                                           | Jubilee Slotted Hex Mini Clip                                                       |                        |      | Unex Slotted Screw Hose Clip                                                        | Unex Hex Hose Clip                                                                  | Jubilee Slotted Hex Quick Release Strap                                             |          | Jubilee Slotted Screw Quick Release Strap                                           |
|------------|-----------------------------------------------------------------------------------|------|------|-----------------------------------------------------------------------------------|----------|----------|------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
|            |  |      |      |  |          |          |  |          |          |  |                 |  |  |                        |      |  |  |  |          |  |
| Band Width | 18mm                                                                              | 18mm | 18mm | 20mm                                                                              | 20mm     | 20mm     | 25mm                                                                               | 25mm     | 25mm     | Various                                                                             | Various         | 9mm                                                                                 | 9.1mm                                                                               | 9.1mm                  | 11mm | 11mm                                                                                |                                                                                     | 11mm                                                                                | 11mm     | 7mm                                                                                 |
|            | Mild Steel                                                                        | A2   | A4   | Mild Steel                                                                        | A2       | A4       | Mild Steel                                                                         | A2       | A4       | St St Band Arch, Zinc-Plated (Bolt)                                                 | A2              | Zinc Plated Mild Steel                                                              | A2                                                                                  | Zinc-Plated Mild Steel | A2   | A2                                                                                  |                                                                                     | Mild Steel                                                                          | A2       | A2                                                                                  |
| 50 - 380mm |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     | 144-0743                                                                            | 144-0767 | 144-0792                                                                            |
| 50 - 405mm |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     | 144-0744                                                                            | 144-0768 | 144-0793                                                                            |
| 50 - 455mm |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     | 144-0745                                                                            | 144-0769 |                                                                                     |
| 50 - 505mm |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     | 144-0747                                                                            | 144-0770 |                                                                                     |
| 50 - 555mm |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     | 144-0748                                                                            | 144-0771 |                                                                                     |
| 50 - 605mm |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     | 144-0749                                                                            | 144-0772 |                                                                                     |
| 50 - 710mm |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     | 144-0750                                                                            | 144-0773 |                                                                                     |
| 50 - 810mm |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     | 144-0751                                                                            | 144-0775 |                                                                                     |
| 50 - 910mm |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     | 144-0752                                                                            | 144-0776 |                                                                                     |
| 50 - 965mm |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     | 144-0753                                                                            | 144-0777 |                                                                                     |
| 51 - 55mm  |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          | 701-3886 (20mm)                                                                     | 701-3858 (20mm) |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 52 - 55mm  |                                                                                   |      |      | 121-9800                                                                          | 121-9817 | 124-5722 |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 55 - 59mm  |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     |                 | 701-3867 (20mm)                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 56 - 59mm  |                                                                                   |      |      | 121-9801                                                                          | 124-5690 | 124-5723 |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 59 - 63mm  |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          | 526-5549 (20mm)                                                                     | 265-0225 (20mm) |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 60 - 63mm  |                                                                                   |      |      | 121-9823                                                                          | 121-9811 | 124-5724 |                                                                                    |          |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 63 - 68mm  |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     |                 | 701-3860 (25mm)                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 64 - 67mm  |                                                                                   |      |      |                                                                                   |          |          | 121-9802                                                                           | 124-5691 | 124-5725 |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 68 - 73mm  |                                                                                   |      |      |                                                                                   |          |          | 121-9803                                                                           | 121-9818 | 124-5726 | 701-3895 (25mm)                                                                     | 701-3864 (25mm) |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 73 - 79mm  |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          |                                                                                     | 701-3873 (25mm) |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 74 - 79mm  |                                                                                   |      |      |                                                                                   |          |          | 121-9804                                                                           | 124-5693 | 124-5727 |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 80 - 85mm  |                                                                                   |      |      |                                                                                   |          |          | 124-5679                                                                           | 124-5694 | 124-5728 |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 85 - 91mm  |                                                                                   |      |      |                                                                                   |          |          |                                                                                    |          |          | 526-5555 (25mm)                                                                     | 265-0231 (25mm) |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 86 - 91mm  |                                                                                   |      |      |                                                                                   |          |          | 121-9824                                                                           | 121-9812 | 124-5729 |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 92 - 97mm  |                                                                                   |      |      |                                                                                   |          |          | 124-5680                                                                           | 124-5695 | 124-5730 |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |
| 98 - 103mm |                                                                                   |      |      |                                                                                   |          |          | 124-5681                                                                           | 124-5696 | 124-5731 |                                                                                     |                 |                                                                                     |                                                                                     |                        |      |                                                                                     |                                                                                     |                                                                                     |          |                                                                                     |

|             | Jubilee 8mm Bolt Head Super-clamp                                                 |      |      | Jubilee 10mm Bolt Head Super-clamp                                                |      |      | Jubilee 13mm Bolt Head Super-clamp                                                 |          |          | MIKALOR Heavy Duty Bolt Drive Supra Clamp                                           |                 | JCS Slotted Hex Mini-Clip                                                           | Jubilee Slotted Hex Mini Clip                                                       |                        | Unex Slotted Screw Hose Clip                                                        | Unex Hex Hose Clip                                                                  | Jubilee Slotted Hex Quick Release Strap                                             |      | Jubilee Slotted Screw Quick Release Strap                                           |
|-------------|-----------------------------------------------------------------------------------|------|------|-----------------------------------------------------------------------------------|------|------|------------------------------------------------------------------------------------|----------|----------|-------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
|             |  |      |      |  |      |      |  |          |          |  |                 |  |  |                        |  |  |  |      |  |
| Band Width  | 18mm                                                                              | 18mm | 18mm | 20mm                                                                              | 20mm | 20mm | 25mm                                                                               | 25mm     | 25mm     | Various                                                                             | Various         | 9mm                                                                                 | 9.1mm                                                                               | 9.1mm                  | 11mm                                                                                | 11mm                                                                                | 11mm                                                                                | 11mm | 7mm                                                                                 |
|             | Mild Steel                                                                        | A2   | A4   | Mild Steel                                                                        | A2   | A4   | Mild Steel                                                                         | A2       | A4       | St St Band Arch, Zinc-Plated (Bolt)                                                 | A2              | Zinc Plated Mild Steel                                                              | A2                                                                                  | Zinc-Plated Mild Steel | A2                                                                                  | A2                                                                                  | Mild Steel                                                                          | A2   | A2                                                                                  |
| 104 - 112mm |                                                                                   |      |      |                                                                                   |      |      | 121-9805                                                                           | 121-9819 | 124-5732 | 701-3898 (25mm)                                                                     | 701-3876 (25mm) |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     |                                                                                     |      |                                                                                     |
| 112 - 121mm |                                                                                   |      |      |                                                                                   |      |      |                                                                                    |          |          | 526-5561 (25mm)                                                                     | 265-0247 (25mm) |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     |                                                                                     |      |                                                                                     |
| 113 - 121mm |                                                                                   |      |      |                                                                                   |      |      | 121-9825                                                                           | 121-9813 | 124-5733 |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     |                                                                                     |      |                                                                                     |
| 122 - 130mm |                                                                                   |      |      |                                                                                   |      |      | 124-5682                                                                           | 124-5697 | 124-5734 |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     |                                                                                     |      |                                                                                     |
| 131 - 139mm |                                                                                   |      |      |                                                                                   |      |      | 124-5683                                                                           | 124-5698 |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     |                                                                                     |      |                                                                                     |
| 140 - 148mm |                                                                                   |      |      |                                                                                   |      |      | 124-5684                                                                           | 124-5699 | 124-5736 |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     |                                                                                     |      |                                                                                     |
| 149 - 161mm |                                                                                   |      |      |                                                                                   |      |      | 124-5685                                                                           | 124-5700 |          |                                                                                     |                 |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     |                                                                                     |      |                                                                                     |
| 162 - 174mm |                                                                                   |      |      |                                                                                   |      |      | 121-9826                                                                           | 121-9814 | 124-5738 | 526-5577 (28mm)                                                                     | 265-0253 (28mm) |                                                                                     |                                                                                     |                        |                                                                                     |                                                                                     |                                                                                     |      |                                                                                     |

|                       | Flexiband                                                                         |                                                                                   |                                                                                     |                                                                                     | Flexiband Buckle                                                                    |                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                       | A2 Stainless Steel                                                                | A2 Stainless Steel                                                                | A2 Stainless Steel                                                                  | A2 Stainless Steel                                                                  | A2 Stainless Steel                                                                  | A2 Stainless Steel                                                                  |
|                       |  |  |  |  |  |  |
|                       | 176-0793                                                                          | 176-0791                                                                          | 176-0789                                                                            | 176-0787                                                                            | 176-0792                                                                            | 176-0790                                                                            |
| Brand                 | Jubilee                                                                           | Jubilee                                                                           | Jubilee                                                                             | Jubilee                                                                             | Jubilee                                                                             | Jubilee                                                                             |
| Manufacturer Part No. | FB09B                                                                             | FB13B                                                                             | FB16B                                                                               | FB19B                                                                               | FB09H                                                                               | FB13H                                                                               |
| Band width (mm)       | 9                                                                                 | 13                                                                                | 16                                                                                  | 19                                                                                  |                                                                                     |                                                                                     |
| Length (m)            | 30                                                                                | 30                                                                                | 30                                                                                  | 30                                                                                  |                                                                                     |                                                                                     |
| Number of Pieces      | 1 Roll                                                                            | 1 Roll                                                                            | 1 Roll                                                                              | 1 Roll                                                                              | Box of 25                                                                           | Box of 25                                                                           |
| Fixing                | Use with 9mm buckle - 176-0792                                                    | Use with 13mm buckle - 176-0790                                                   | Use with 16mm buckle - 176-0788                                                     | Use with 19mm buckle - 176-0786                                                     | For 9mm banding                                                                     | For 13mm banding                                                                    |

|                       | Flexiband Buckle                                                                    |                                                                                      | Flexiband Tool                                                                        | Multiband                                                                             |                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                       | A2 Stainless Steel                                                                  | A2 Stainless Steel                                                                   | A2 Stainless Steel                                                                    | Zinc Plated Mild Steel                                                                | Zinc Plated Mild Steel                                                                |
|                       |  |  |  |  |  |
|                       | 176-0788                                                                            | 176-0786                                                                             | 176-0785                                                                              | 124-5701                                                                              | 187-0399                                                                              |
| Brand                 | Jubilee                                                                             | Jubilee                                                                              | Jubilee                                                                               | Jubilee                                                                               | Jubilee                                                                               |
| Manufacturer Part No. | FB16H                                                                               | FB19H                                                                                | FBT                                                                                   | MB1701                                                                                | MB1702                                                                                |
| Band width (mm)       |                                                                                     |                                                                                      |                                                                                       | 11                                                                                    | 11                                                                                    |
| Length (m)            |                                                                                     |                                                                                      |                                                                                       | 10                                                                                    | 30                                                                                    |
| Number of Pieces      | Box of 25                                                                           | Box of 25                                                                            | 1                                                                                     | 1 Roll                                                                                | 1 Roll                                                                                |
| Fixing                | For 16mm banding                                                                    | For 19mm banding                                                                     |                                                                                       |                                                                                       |                                                                                       |

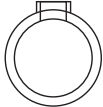
|                       | Multiband                                                                         |                                                                                   |                                                                                     |                                                                                     |                                                                                     | Multiband Connectors                                                                |
|-----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                       | A2 Stainless Steel                                                                | A2 Stainless Steel                                                                | A2 Stainless Steel                                                                  | A4 Stainless Steel                                                                  | A4 Stainless Steel                                                                  | Zinc Plated Mild Steel                                                              |
|                       |  |  |  |  |  |  |
|                       | 187-0412                                                                          | 124-5705                                                                          | 124-5706                                                                            | 144-0726                                                                            | 144-0727                                                                            | 867-5637                                                                            |
| Brand                 | Jubilee                                                                           | Jubilee                                                                           | Jubilee                                                                             | Jubilee                                                                             | Jubilee                                                                             | Jubilee                                                                             |
| Manufacturer Part No. | MB1802                                                                            | MB1601                                                                            | MB1602                                                                              | MB1901                                                                              | MB1902                                                                              | MB1704                                                                              |
| Band width (mm)       | 11                                                                                | 7                                                                                 | 7                                                                                   | 11                                                                                  | 11                                                                                  |                                                                                     |
| Length (m)            | 30                                                                                | 25                                                                                | 50                                                                                  | 10                                                                                  | 30                                                                                  |                                                                                     |
| Number of Pieces      | 1 Roll                                                                            | 1 Roll                                                                            | 1 Roll                                                                              | 1 Roll                                                                              | 1 Roll                                                                              | Box of 25                                                                           |
| Fixing                |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | Solid housings/screws, 7mm A/F hexagonal screw                                      |

|                       | Multiband Connectors                                                                |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                       | Zinc Plated Mild Steel                                                              | Zinc Plated Mild Steel                                                              | A2 Stainless Steel                                                                    | A2 Stainless Steel                                                                    | A2 Stainless Steel                                                                    | A2 Stainless Steel                                                                    |
|                       |  |  |  |  |  |  |
|                       | 867-5646                                                                            | 124-5702                                                                            | 124-5707                                                                              | 867-5649                                                                              | 867-5643                                                                              | 124-5704                                                                              |
| Brand                 | Jubilee                                                                             | Jubilee                                                                             | Jubilee                                                                               | Jubilee                                                                               | Jubilee                                                                               | Jubilee                                                                               |
| Manufacturer Part No. | MB1705                                                                              | MB1706                                                                              | MB1603                                                                                | MB1803                                                                                | MB1804                                                                                | MB1805                                                                                |
| Band width (mm)       |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Length (m)            |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
| Number of Pieces      | Box of 25                                                                           | Box of 25                                                                           | Box of 25                                                                             | Box of 25                                                                             | Box of 25                                                                             | Box of 25                                                                             |
| Fixing                | Captive housings/screws, 3/16inch recess hexagonal slot                             | Captive housings/screws, 7mm A/F hexagonal screw                                    | Flip/Lock housings/Screws, for 7mm Slimline                                           | Solid housings/screws, 7mm A/F hexagonal screw, for 11mm banding                      | Solid housings/screws, 3/16inch recess hex slot, for 11mm banding                     | Captive housings/screws, 7mm A/F hexagonal screw, for 11mm banding                    |

|                       | Multiband Connectors                                                              |                                                                                   | Multiband Kit                                                                       |                                                                                     | Multi-Torque Banding                                                                |                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                       | A4 Stainless Steel                                                                | Zinc Plated Mild Steel                                                            | A2 Stainless Steel                                                                  | A2 Stainless Steel                                                                  | A2 Stainless Steel                                                                  | A2 Stainless Steel                                                                  |
|                       |  |  |  |  |  |  |
|                       | 144-0728                                                                          | 124-5708                                                                          | 124-5709                                                                            | 124-5710                                                                            | 727-5939                                                                            | 727-5933                                                                            |
| Brand                 | Jubilee                                                                           | Jubilee                                                                           | Jubilee                                                                             | Jubilee                                                                             | JCS                                                                                 | JCS                                                                                 |
| Manufacturer Part No. | MB1903                                                                            | MB1707                                                                            | MB1807                                                                              | MB1607                                                                              | MTB10P                                                                              | MTB30P                                                                              |
| Band width (mm)       |                                                                                   | 11                                                                                | 11                                                                                  | 7                                                                                   | 16                                                                                  | 16                                                                                  |
| Length (m)            |                                                                                   | 3                                                                                 | 3                                                                                   | 8                                                                                   | 10                                                                                  | 30                                                                                  |
| Number of Pieces      | Box of 25                                                                         | 1 Roll                                                                            | 1 Roll                                                                              | 1 Roll                                                                              | 1 Roll                                                                              | 1 Roll                                                                              |
| Fixing                | Solid housings/screws                                                             |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

|                       | Multi-Torque Connectors                                                             | Multi-Torque Kit                                                                      |
|-----------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                       | A2 Stainless Steel                                                                  | A2 Stainless Steel                                                                    |
|                       |  |  |
|                       | 727-5942                                                                            | 280-0082                                                                              |
| Brand                 | JCS                                                                                 | JCS                                                                                   |
| Manufacturer Part No. | MTC150P                                                                             | MTK1BG                                                                                |
| Band width (mm)       | 16                                                                                  |                                                                                       |
| Length (m)            | 0.15                                                                                |                                                                                       |
| Number of Pieces      | 5                                                                                   | 1                                                                                     |
| Fixing                |                                                                                     | 1m band + 1 connector                                                                 |



|                    | JCS Tamtorque Tamperproof Sign Fixing Clamp                                       |
|--------------------|-----------------------------------------------------------------------------------|
|                    |  |
| For Post Diameters | A2 304 with 410 Hardened Screw, 16mm Band                                         |
| 55 - 70 mm         | 365-2301                                                                          |
| 100 - 130 mm       | 365-2323                                                                          |
| 130 - 190 mm       | 365-2339                                                                          |
| 190 - 250 mm       | 365-2351                                                                          |
| 250 - 340 mm       | 365-2367                                                                          |

|  | JCS Tamtorque Driver                                                                | JCS Tamtorque Power Tool Bit                                                        |
|--|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
|  | Mild Steel                                                                          | Mild Steel                                                                          |
|  | 365-2389                                                                            | 365-2395                                                                            |

# HOSE CLIP KITS

# HOSE CLIP KITS



## Worm Drive

|                           | Zinc Plated Mild Steel                                                            | A4 Stainless Steel                                                                | Zinc Plated Mild Steel                                                              | A2 Stainless Steel                                                                  | Zinc Plated Mild Steel                                                              | Zinc Plated Mild Steel                                                              |
|---------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                           |  |  |  |  |  |  |
|                           | 175-7152                                                                          | 175-7149                                                                          | 365-2266                                                                            | 466-4939                                                                            | 144-0631                                                                            | 908-9103                                                                            |
| Brand                     | RS PRO                                                                            | RS PRO                                                                            | JCS HI-GRIP                                                                         | JCS HI-GRIP                                                                         | Jubilee                                                                             | Jubilee                                                                             |
| Manufacturer Part No.     |                                                                                   |                                                                                   | HGZAB1                                                                              | HGSAB2                                                                              | CD100MS                                                                             | HP100MS                                                                             |
| Smallest Clip Inside Dia. | 9.5 ↔ 12mm                                                                        | 9.5 ↔ 12mm                                                                        | 9.5 ↔ 12mm                                                                          | 9.5 ↔ 12mm                                                                          | 9.5 ↔ 12mm                                                                          | 9.5 ↔ 12mm                                                                          |
| Largest Clip Inside Dia.  | 25 ↔ 35mm                                                                         | 25 ↔ 35mm                                                                         | 35 ↔ 50 mm                                                                          | 35 ↔ 50mm                                                                           | 35 ↔ 50mm                                                                           | 35 ↔ 50mm                                                                           |
| Number of Pieces          | 70                                                                                | 70                                                                                | 135                                                                                 | 76                                                                                  | 100                                                                                 | 100                                                                                 |
| Number of Sizes           | 7                                                                                 | 7                                                                                 | 10                                                                                  | 10                                                                                  | 10                                                                                  | 10                                                                                  |

## Worm Drive

|                           | Zinc Plated Mild Steel                                                              | Zinc Plated Mild Steel                                                              | A2 Stainless Steel                                                                    | A2 Stainless Steel                                                                    | A2 Stainless Steel                                                                    | A2 Stainless Steel                                                                    |
|---------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                           |  |  |  |  |  |  |
|                           | 908-9071                                                                            | 908-9087                                                                            | 908-9106                                                                              | 908-9080                                                                              | 908-9096                                                                              | 124-5703                                                                              |
| Brand                     | Jubilee                                                                             | Jubilee                                                                             | Jubilee                                                                               | Jubilee                                                                               | Jubilee                                                                               | Jubilee                                                                               |
| Manufacturer Part No.     | HCP143MS                                                                            | PPMS                                                                                | HP100SS                                                                               | HCP143SS                                                                              | PPSS                                                                                  | MB1801                                                                                |
| Smallest Clip Inside Dia. | 9.5 ↔ 12mm                                                                          | 9.5 ↔ 12mm                                                                          | 9.5 ↔ 12mm                                                                            | 9.5 ↔ 12mm                                                                            | 9.5 ↔ 12mm                                                                            | Cut to any size.                                                                      |
| Largest Clip Inside Dia.  | 30 ↔ 40mm                                                                           | 30 ↔ 40mm                                                                           | 35 ↔ 50mm                                                                             | 30 ↔ 40mm                                                                             | 30 ↔ 40mm                                                                             | Cut to any size.                                                                      |
| Number of Pieces          | 143                                                                                 | 32                                                                                  | 100                                                                                   | 143                                                                                   | 32                                                                                    | 10m Roll                                                                              |
| Number of Sizes           | 8                                                                                   | 8                                                                                   | 10                                                                                    | 8                                                                                     | 8                                                                                     |                                                                                       |

|                           | Worm Drive                                                                        |                                                                                   |                                                                                     | Wingspade                                                                           | Mini-Clip                                                                           |                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                           | A4 Stainless Steel                                                                | A4 Stainless Steel                                                                | A4 Stainless Steel                                                                  | Mild Steel                                                                          | Zinc Plated Mild Steel                                                              | Zinc Plated Mild Steel                                                              |
|                           |  |  |  |  |  |  |
|                           | 908-9099                                                                          | 144-0644                                                                          | 908-9093                                                                            | 144-0634                                                                            | 365-2272                                                                            | 908-9083                                                                            |
| Brand                     | Jubilee                                                                           | Jubilee                                                                           | Jubilee                                                                             | Jubilee                                                                             | JCS HI-Grip                                                                         | Jubilee                                                                             |
| Manufacturer Part No.     | PPJJMS                                                                            | JA165SS                                                                           | PPJJSS                                                                              | PWSS                                                                                | MCZAB1                                                                              | JA165MS                                                                             |
| Smallest Clip Inside Dia. | 7 ↔ 9mm                                                                           | 7 ↔ 9 mm                                                                          | 7 ↔ 9 mm                                                                            | 9.5mm                                                                               | 7 ↔ 9mm                                                                             | 7 ↔ 9mm                                                                             |
| Largest Clip Inside Dia.  | 14 ↔ 16mm                                                                         | 12 ↔ 14mm                                                                         | 14 ↔ 16mm                                                                           | 55mm                                                                                | 16 ↔ 18 mm                                                                          | 12 ↔ 14mm                                                                           |
| Number of Pieces          | 54                                                                                | 165                                                                               | 54                                                                                  | 22                                                                                  | 157                                                                                 | 165                                                                                 |
| Number of Sizes           | 8                                                                                 | 6                                                                                 | 8                                                                                   | 7                                                                                   | 10                                                                                  | 6                                                                                   |

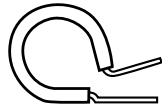
|                           | Mini-Clip                                                                           |                                                                                     |                                                                                       | O Clip                                                                                |                                                                                       |                                                                                       |
|---------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                           | Zinc-Plated Mild Steel                                                              | A2 Stainless Steel                                                                  | A2 Stainless Steel                                                                    | Mild Steel                                                                            | Zinc Plated Mild Steel                                                                | A2 Stainless Steel                                                                    |
|                           |  |  |  |  |  |  |
|                           | 908-9099                                                                            | 144-0644                                                                            | 908-9093                                                                              | 292-524                                                                               | 144-0636                                                                              | 144-0645                                                                              |
| Brand                     | Jubilee                                                                             | Jubilee                                                                             | Jubilee                                                                               | RS PRO                                                                                | Jubilee                                                                               | Jubilee                                                                               |
| Manufacturer Part No.     | PPJJMS                                                                              | JA165SS                                                                             | PPJJSS                                                                                |                                                                                       | OK175MS                                                                               | OK175SS                                                                               |
| Smallest Clip Inside Dia. | 7 ↔ 9mm                                                                             | 7 ↔ 9 mm                                                                            | 7 ↔ 9 mm                                                                              | 5 ↔ 7 mm                                                                              | 5 ↔ 7mm                                                                               | 5 ↔ 7mm                                                                               |
| Largest Clip Inside Dia.  | 14 ↔ 16mm                                                                           | 12 ↔ 14mm                                                                           | 14 ↔ 16mm                                                                             | 23 ↔ 27 mm                                                                            | 5 ↔ 20mm                                                                              | 5 ↔ 20mm                                                                              |
| Number of Pieces          | 54                                                                                  | 165                                                                                 | 54                                                                                    | 200                                                                                   | 175                                                                                   | 175                                                                                   |
| Number of Sizes           | 8                                                                                   | 6                                                                                   | 8                                                                                     | 10                                                                                    | 8                                                                                     | 8                                                                                     |

# P-CLIPS

# P-CLIPS



## JCS TPE Rubber Liner



| Fixing Hole dia. x<br>Closed inside dia | 12.6mm Band Width | 12.6mm Band Width      |
|-----------------------------------------|-------------------|------------------------|
|                                         | A2                | Zinc Plated Mild Steel |
| 6.6mm x 5mm                             | 298-8053          | 298-7971               |
| 6.6mm x 6mm                             | 298-8069          | 298-7987               |
| 6.6mm x 8mm                             | 298-8075          | 298-7993               |
| 6.6mm x 10mm                            | 298-8081          | 298-8003               |
| 6.6mm x 13mm                            | 298-8097          | 298-8019               |
| 6.6mm x 16mm                            | 298-8104          | 298-8025               |
| 6.6mm x 19mm                            | 700-2968          | 700-2949               |
| 6.6mm x 21mm                            | 298-8110          | 298-8047               |
| 6.6mm x 25mm                            | 298-8132          | 298-8126               |
| 6.6mm x 29mm                            | 700-2961          | 700-2943               |
| 6.6mm x 32mm                            | 700-2965          | 700-2952               |
| 6.6mm x 35mm                            | 298-8148          | 700-2955               |
| 6.6mm x 40mm                            | 700-2974          | 700-2959               |

## Jubilee Zinc Plated Mild Steel P Clip with EPDM Rubber Liner



| Fixing Hole dia. x<br>Closed inside dia | 12.7mm Band Width      |
|-----------------------------------------|------------------------|
|                                         | Zinc Plated Mild Steel |
| M4/5 x 5mm                              | 144-0646               |
| M4/5 x 6mm                              | 144-0647               |
| M4/5 x 8mm                              | 144-0648               |
| M4/5 x 9mm                              | 144-0649               |
| M4/5 x 10mm                             | 144-0650               |
| M4/5 x 12mm                             | 144-0651               |
| M4/5 x 13mm                             | 144-0652               |
| M4/5 x 14mm                             | 144-0653               |
| M4/5 x 15mm                             | 144-0654               |
| M4/5 x 16mm                             | 144-0655               |
| M4/5 x 17mm                             | 144-0656               |
| M4/5 x 18mm                             | 144-0657               |
| M4/5 x 19mm                             | 144-0658               |
| M4/5 x 20mm                             | 144-0659               |
| M4/5 x 21mm                             | 144-0660               |
| M4/5 x 22mm                             | 144-0661               |
| M4/5 x 25mm                             | 144-0662               |
| M4/5 x 27mm                             |                        |
| M4/5 x 28mm                             | 144-0664               |
| M4/5 x 29mm                             | 144-0665               |
| M4/5 x 30mm                             | 144-0666               |
| M4/5 x 32mm                             | 144-0667               |
| M4/5 x 35mm                             | 144-0668               |
| M4/5 x 40mm                             | 144-0669               |
| M4/5 x 44mm                             | 144-0670               |
| M4/5 x 48mm                             | 144-0671               |
| M4/5 x 52mm                             | 144-0672               |

## Jubilee A2 Stainless Steel P Clip with EPDM Rubber Liner



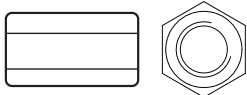
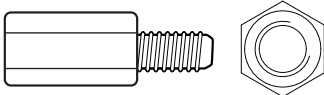
| Fixing Hole dia. x<br>Closed inside dia | 12.7mm Band Width |
|-----------------------------------------|-------------------|
|                                         | A2                |
| M6 x 5mm                                | 144-0673          |
| M6 x 6mm                                | 144-0674          |
| M6 x 8mm                                | 144-0675          |
| M6 x 9mm                                | 144-0676          |
| M6 x 10mm                               | 144-0677          |
| M6 x 12mm                               | 144-0678          |
| M6 x 13mm                               | 144-0679          |
| M6 x 14mm                               | 144-0680          |
| M6 x 15mm                               | 144-0681          |
| M6 x 16mm                               | 144-0682          |
| M6 x 17mm                               | 144-0683          |
| M6 x 18mm                               | 144-0684          |
| M6 x 19mm                               | 144-0685          |
| M6 x 20mm                               | 144-0686          |
| M6 x 21mm                               | 144-0687          |
| M6 x 22mm                               | 144-0688          |
| M6 x 25mm                               | 144-0689          |
| M6 x 27mm                               | 144-0690          |
| M6 x 28mm                               | 144-0691          |
| M6 x 29mm                               | 144-0692          |
| M6 x 30mm                               | 144-0693          |
| M6 x 32mm                               | 144-0694          |
| M6 x 35mm                               | 144-0695          |
| M6 x 40mm                               | 144-0696          |
| M6 x 44mm                               | 144-0697          |
| M6 x 48mm                               | 144-0698          |
| M6 x 52mm                               | 144-0699          |

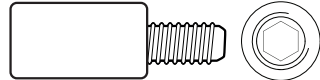
|                              | Zinc Plated Mild Steel                                                            | A2 Stainless Steel                                                                 | Zinc Plated Mild Steel                                                              | A2 Stainless Steel                                                                  |
|------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                              |  |  |  |  |
|                              | 365-2294                                                                          | 700-4368                                                                           | 144-0635                                                                            | 144-0643                                                                            |
| <b>Brand</b>                 | JCS                                                                               | JCS                                                                                | Jubilee                                                                             | Jubilee                                                                             |
| <b>Manufacturer Part No.</b> | PCZRAB1                                                                           | PCSRAB1                                                                            | JPCK110MS                                                                           | JPCK110SS                                                                           |
| <b>Inside Diameter Range</b> | 5mm - 35mm                                                                        | 5mm - 35mm                                                                         | 5mm - 35mm                                                                          | 5mm - 35mm                                                                          |
| <b>Liner</b>                 | TPE Rubber                                                                        | TPE Rubber                                                                         | EPDM Rubber                                                                         | EPDM Rubber                                                                         |
| <b>Number of Pieces</b>      | 104                                                                               | 104                                                                                | 110                                                                                 | 110                                                                                 |
| <b>Number of Sizes</b>       | 11                                                                                | 11                                                                                 | 11                                                                                  | 11                                                                                  |

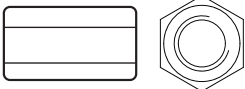
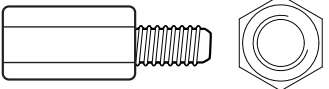
## THREADED STANDOFFS

## NYLON STANDOFFS



| Hex Body Shape, Nylon                                                              |              |                                                                                   |             |                                                                                    |                  |                           |                 |
|------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------|------------------|---------------------------|-----------------|
|                                                                                    |              |  |             |  |                  |                           |                 |
|                                                                                    |              | Female/Female                                                                     |             | Male/Female                                                                        |                  |                           |                 |
| Brand                                                                              | RS Stock No. | Gender Type                                                                       | Thread Size | Body Length (mm)                                                                   | Stud Length (mm) | Hex Size Across Flat (mm) | Hole Depth (mm) |
|  | 382-961      | Female/Female                                                                     | M3 x M3     | 6                                                                                  |                  | 5.5                       | 6               |
|                                                                                    | 325-722      | Female/Female                                                                     | M3 x M3     | 8                                                                                  |                  | 5.5                       | 8               |
|                                                                                    | 325-643      | Female/Female                                                                     | M3 x M3     | 10                                                                                 |                  | 5.5                       | 10              |
|                                                                                    | 325-659      | Female/Female                                                                     | M3 x M3     | 12.7                                                                               |                  | 5.5                       | 12.7            |
|                                                                                    | 325-665      | Female/Female                                                                     | M3 x M3     | 15                                                                                 |                  | 5.5                       | 15              |
|                                                                                    | 325-693      | Female/Female                                                                     | M3 x M3     | 18                                                                                 |                  | 5.5                       | 18              |
|                                                                                    | 325-700      | Female/Female                                                                     | M3 x M3     | 20                                                                                 |                  | 5.5                       | 20              |
|                                                                                    | 325-716      | Female/Female                                                                     | M3 x M3     | 25                                                                                 |                  | 5.5                       | 25              |
|                                                                                    | 325-671      | Female/Female                                                                     | M3 x M3     | 30                                                                                 |                  | 5.5                       | 30              |
|                                                                                    | 653-9324     | Female/Female                                                                     | M3 x M3     | 10                                                                                 |                  | 7                         | 4               |
|                                                                                    | 382-967      | Male/Female                                                                       | M3 x M3     | 6                                                                                  | 6                | 5.6                       | 5.3             |
|                                                                                    | 325-738      | Male/Female                                                                       | M3 x M3     | 8                                                                                  | 6                | 5.6                       | 7.5             |
|                                                                                    | 325-687      | Male/Female                                                                       | M3 x M3     | 10                                                                                 | 6                | 5.6                       | 6.5             |
|                                                                                    | 325-744      | Male/Female                                                                       | M3 x M3     | 12.7                                                                               | 6                | 5.6                       | 10              |
|                                                                                    | 325-772      | Male/Female                                                                       | M3 x M3     | 15                                                                                 | 6                | 5.6                       | 10              |
|                                                                                    | 325-750      | Male/Female                                                                       | M3 x M3     | 20                                                                                 | 6                | 5.6                       | 10              |
|                                                                                    | 325-766      | Male/Female                                                                       | M3 x M3     | 25                                                                                 | 6                | 5.6                       | 10              |
|                                                                                    | 653-9548     | Male/Female                                                                       | M3 x M3     | 7                                                                                  | 6                | 7                         | 4               |
|                                                                                    | 653-9510     | Male/Female                                                                       | M3 x M3     | 8                                                                                  | 6                | 7                         | 4               |
|                                                                                    | 653-9504     | Male/Female                                                                       | M3 x M3     | 9                                                                                  | 6                | 7                         | 4               |
|                                                                                    | 653-9532     | Male/Female                                                                       | M3 x M3     | 10                                                                                 | 6                | 7                         | 4               |
|                                                                                    | 382-955      | Male/Female                                                                       | M4 x M4     | 10                                                                                 | 6                | 7                         | 6.5             |
|                                                                                    | 325-788      | Male/Female                                                                       | M4 x M4     | 15                                                                                 | 6                | 7                         | 10              |
|                                                                                    | 325-794      | Male/Female                                                                       | M4 x M4     | 19                                                                                 | 6                | 7                         | 10              |
|                                                                                    | 382-951      | Male/Female                                                                       | M4 x M4     | 25                                                                                 | 6                | 7                         | 10              |
|                                                                                    | 325-801      | Male/Female                                                                       | M4 x M4     | 30                                                                                 | 6                | 7                         | 10              |

| Round Body Shape, Nylon                                                             |              |                                                                                     |             |                                                                                     |                  |                       |                 |
|-------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|------------------|-----------------------|-----------------|
|                                                                                     |              |  |             |  |                  |                       |                 |
|                                                                                     |              | Female/Female                                                                       |             | Male/Female                                                                         |                  |                       |                 |
| Brand                                                                               | RS Stock No. | Gender Type                                                                         | Thread Size | Body Length (mm)                                                                    | Stud Length (mm) | Outside Diameter (mm) | Hole Depth (mm) |
|  | 653-9330     | Female/Female                                                                       | M3 x M3     | 13                                                                                  |                  | 8                     | 6               |
|                                                                                     | 653-9318     | Female/Female                                                                       | M3 x M3     | 20                                                                                  |                  | 8                     | 6               |
|                                                                                     | 653-9346     | Female/Female                                                                       | M3 x M3     | 25                                                                                  |                  | 8                     | 6               |
|                                                                                     | 653-9453     | Female/Female                                                                       | M3 x M3     | 30                                                                                  |                  | 8                     | 6               |
|                                                                                     | 653-9475     | Female/Female                                                                       | M4 x M4     | 16                                                                                  |                  | 8                     | 6               |
|                                                                                     | 653-9469     | Female/Female                                                                       | M4 x M4     | 20                                                                                  |                  | 8                     | 6               |
|                                                                                     | 653-9447     | Female/Female                                                                       | M4 x M4     | 25                                                                                  |                  | 8                     | 6               |
|                                                                                     | 653-9431     | Female/Female                                                                       | M4 x M4     | 30                                                                                  |                  | 8                     | 6               |
|                                                                                     | 653-9425     | Female/Female                                                                       | M5 x M5     | 25                                                                                  |                  | 9.5                   | 9               |
|                                                                                     | 653-9481     | Female/Female                                                                       | M6 x M6     | 25                                                                                  |                  | 12.7                  | 9               |
|                                                                                     | 653-9403     | Male/Female                                                                         | M3 x M3     | 13                                                                                  | 6                | 8                     | 6               |
|                                                                                     | 653-9295     | Male/Female                                                                         | M3 x M3     | 20                                                                                  | 6                | 8                     | 6               |
|                                                                                     | 653-9396     | Male/Female                                                                         | M3 x M3     | 25                                                                                  | 6                | 8                     | 6               |
|                                                                                     | 653-9302     | Male/Female                                                                         | M3 x M3     | 30                                                                                  | 6                | 8                     | 6               |
|                                                                                     | 653-9352     | Male/Female                                                                         | M4 x M4     | 16                                                                                  | 6                | 8                     | 6               |
|                                                                                     | 653-9374     | Male/Female                                                                         | M4 x M4     | 20                                                                                  | 6                | 8                     | 6               |
|                                                                                     | 653-9368     | Male/Female                                                                         | M4 x M4     | 25                                                                                  | 6                | 8                     | 6               |
|                                                                                     | 653-9419     | Male/Female                                                                         | M4 x M4     | 30                                                                                  | 6                | 8                     | 6               |
|                                                                                     | 653-9380     | Male/Female                                                                         | M5 x M5     | 25                                                                                  | 10               | 9.5                   | 9               |
|                                                                                     | 653-9497     | Male/Female                                                                         | M6 x M6     | 25                                                                                  | 12.7             | 12.7                  | 9               |

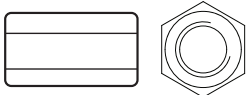
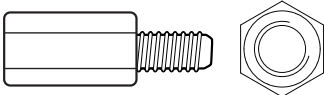
| Hex Body Shape, Nickel Plated Brass                                               |              |               |             |                                                                                    |                  |                           |                 |
|-----------------------------------------------------------------------------------|--------------|---------------|-------------|------------------------------------------------------------------------------------|------------------|---------------------------|-----------------|
|  |              |               |             |  |                  |                           |                 |
| Female/Female                                                                     |              |               |             | Male/Female                                                                        |                  |                           |                 |
| Brand                                                                             | RS Stock No. | Gender Type   | Thread Size | Body Length (mm)                                                                   | Stud Length (mm) | Hex Size Across Flat (mm) | Hole Depth (mm) |
| RS PRO                                                                            | 222-367      | Female/Female | M3 x M3     | 5                                                                                  |                  | 5                         | 5               |
|                                                                                   | 222-373      | Female/Female | M3 x M3     | 6                                                                                  |                  | 5                         | 6               |
|                                                                                   | 222-389      | Female/Female | M3 x M3     | 8                                                                                  |                  | 5                         | 8               |
|                                                                                   | 222-395      | Female/Female | M3 x M3     | 10                                                                                 |                  | 5                         | 10              |
|                                                                                   | 222-402      | Female/Female | M3 x M3     | 12                                                                                 |                  | 5                         | 12              |
|                                                                                   | 222-418      | Female/Female | M3 x M3     | 18                                                                                 |                  | 5                         | 18              |
|                                                                                   | 222-424      | Female/Female | M3 x M3     | 20                                                                                 |                  | 5                         | 20              |
|                                                                                   | 222-430      | Female/Female | M3 x M3     | 25                                                                                 |                  | 5                         | 25              |
|                                                                                   | 222-446      | Female/Female | M3 x M3     | 30                                                                                 |                  | 5                         | 30              |
|                                                                                   | 222-452      | Female/Female | M3 x M3     | 40                                                                                 |                  | 5                         | 40              |
|                                                                                   | 222-468      | Female/Female | M4 x M4     | 5                                                                                  |                  | 7                         | 5               |
|                                                                                   | 222-474      | Female/Female | M4 x M4     | 6                                                                                  |                  | 7                         | 6               |
|                                                                                   | 222-480      | Female/Female | M4 x M4     | 10                                                                                 |                  | 7                         | 10              |
|                                                                                   | 222-496      | Female/Female | M4 x M4     | 20                                                                                 |                  | 7                         | 20              |
|                                                                                   | 222-503      | Female/Female | M4 x M4     | 25                                                                                 |                  | 7                         | 25              |
|                                                                                   | 806-6695     | Female/Female | M4 x M4     | 30                                                                                 |                  | 7                         | 10              |
|                                                                                   | 806-6705     | Female/Female | M4 x M4     | 35                                                                                 |                  | 7                         | 10              |
|                                                                                   | 806-6708     | Female/Female | M4 x M4     | 40                                                                                 |                  | 7                         | 10              |
|                                                                                   | 806-6702     | Female/Female | M4 x M4     | 45                                                                                 |                  | 7                         | 10              |
|                                                                                   | 806-6711     | Female/Female | M4 x M4     | 50                                                                                 |                  | 7                         | 10              |
|                                                                                   | 606-670      | Male/Female   | M3 x M3     | 5                                                                                  | 8                | 5                         | 2.5             |
|                                                                                   | 221-128      | Male/Female   | M3 x M3     | 6                                                                                  | 8                | 5                         | 2.5             |
|                                                                                   | 221-134      | Male/Female   | M3 x M3     | 8                                                                                  | 8                | 5                         | 5               |
|                                                                                   | 606-686      | Male/Female   | M3 x M3     | 10                                                                                 | 8                | 5                         | 5               |
|                                                                                   | 221-140      | Male/Female   | M3 x M3     | 12                                                                                 | 8                | 5                         | 8               |
|                                                                                   | 606-692      | Male/Female   | M3 x M3     | 15                                                                                 | 8                | 5                         | 8               |
|                                                                                   | 221-156      | Male/Female   | M3 x M3     | 18                                                                                 | 8                | 5                         | 8               |
|                                                                                   | 221-162      | Male/Female   | M3 x M3     | 20                                                                                 | 8                | 5                         | 8               |
|                                                                                   | 606-709      | Male/Female   | M3 x M3     | 25                                                                                 | 10               | 5                         | 10              |
|                                                                                   | 221-178      | Male/Female   | M3 x M3     | 30                                                                                 | 10               | 5                         | 10              |
|                                                                                   | 221-184      | Male/Female   | M3 x M3     | 40                                                                                 | 10               | 5                         | 10              |
|                                                                                   | 806-6714     | Male/Female   | M4 x M4     | 10                                                                                 | 8                | 7                         | 8.5             |
|                                                                                   | 806-6718     | Male/Female   | M4 x M4     | 12                                                                                 | 8                | 7                         | 10              |
|                                                                                   | 806-6727     | Male/Female   | M4 x M4     | 15                                                                                 | 8                | 7                         | 13              |

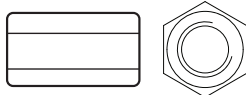
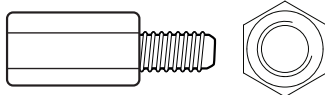
| Brand  | RS Stock No. | Gender Type   | Thread Size | Body Length (mm) | Stud Length (mm) | Hex Size Across Flat (mm) | Hole Depth (mm) |
|--------|--------------|---------------|-------------|------------------|------------------|---------------------------|-----------------|
| RS PRO | 806-6720     | Male/Female   | M4 x M4     | 20               | 8                | 7                         | 15              |
|        | 806-6724     | Male/Female   | M4 x M4     | 25               | 8                | 7                         | 15              |
|        | 806-6733     | Male/Female   | M4 x M4     | 30               | 8                | 7                         | 15              |
|        | 806-6736     | Male/Female   | M4 x M4     | 35               | 8                | 7                         | 15              |
|        | 806-6730     | Male/Female   | M4 x M4     | 40               | 8                | 7                         | 15              |
|        | 806-6749     | Male/Female   | M4 x M4     | 45               | 8                | 7                         | 15              |
|        | 806-6742     | Male/Female   | M4 x M4     | 50               | 8                | 7                         | 15              |
|        | 806-6632     | Male/Female   | M5 x M5     | 10               | 8                | 8                         | 8.5             |
|        | 806-6635     | Male/Female   | M5 x M5     | 15               | 8                | 8                         | 13              |
|        | 806-6639     | Male/Female   | M5 x M5     | 20               | 8                | 8                         | 15              |
|        | 806-6648     | Male/Female   | M5 x M5     | 25               | 8                | 8                         | 15              |
|        | 806-6641     | Male/Female   | M5 x M5     | 30               | 8                | 8                         | 15              |
|        | 806-6645     | Male/Female   | M5 x M5     | 35               | 8                | 8                         | 15              |
|        | 806-6654     | Male/Female   | M5 x M5     | 40               | 8                | 8                         | 15              |
|        | 806-6657     | Male/Female   | M5 x M5     | 45               | 8                | 8                         | 15              |
|        | 806-6651     | Male/Female   | M5 x M5     | 50               | 8                | 8                         | 15              |
|        | 806-6660     | Male/Female   | M5 x M5     | 60               | 8                | 8                         | 15              |
|        | 105-7940     | Female/Female | M3 x M3     | 5                |                  | 5                         |                 |
|        | 105-7962     | Female/Female | M3 x M3     | 8                |                  | 5                         |                 |
|        | 105-7978     | Female/Female | M3 x M3     | 10               |                  | 5                         |                 |
|        | 105-7984     | Female/Female | M3 x M3     | 12               |                  | 5                         |                 |
|        | 105-7990     | Female/Female | M3 x M3     | 15               |                  | 5                         |                 |
|        | 105-8000     | Female/Female | M3 x M3     | 18               |                  | 5                         |                 |
|        | 105-8016     | Female/Female | M3 x M3     | 20               |                  | 5                         |                 |
|        | 105-8038     | Female/Female | M3 x M3     | 25               |                  | 5                         |                 |
|        | 105-8044     | Female/Female | M3 x M3     | 30               |                  | 5                         |                 |
|        | 105-8050     | Female/Female | M4 x M4     | 10               |                  | 7                         |                 |
|        | 105-8066     | Female/Female | M4 x M4     | 12               |                  | 7                         |                 |
|        | 105-8072     | Female/Female | M4 x M4     | 15               |                  | 7                         |                 |
|        | 105-8088     | Female/Female | M4 x M4     | 18               |                  | 7                         |                 |
|        | 105-8094     | Female/Female | M4 x M4     | 20               |                  | 7                         |                 |
|        | 105-8101     | Female/Female | M4 x M4     | 25               |                  | 7                         |                 |
|        | 105-8167     | Male/Female   | M3 x M3     | 5                | 8                | 5                         | 3               |
|        | 105-8173     | Male/Female   | M3 x M3     | 8                | 8                | 5                         | 4               |
|        | 105-8195     | Male/Female   | M3 x M3     | 10               | 8                | 5                         | 6               |
|        | 105-8202     | Male/Female   | M3 x M3     | 12               | 8                | 5                         | 8               |
|        | 105-8218     | Male/Female   | M3 x M3     | 15               | 8                | 5                         | 8               |
|        | 105-8224     | Male/Female   | M3 x M3     | 18               | 8                | 5                         | 8               |
|        | 105-8230     | Male/Female   | M3 x M3     | 20               | 8                | 5                         | 8               |
|        | 105-8252     | Male/Female   | M3 x M3     | 25               | 10               | 5                         | 10              |
|        | 105-8268     | Male/Female   | M3 x M3     | 30               | 10               | 5                         | 10              |
|        | 105-8319     | Male/Female   | M4 x M4     | 18               | 8                | 7                         | 8               |

## THREADED STANDOFFS

## STEEL STANDOFFS



| Hex Body Shape, Nickel Plated Steel                                               |              |                                                                                   |             |                                                                                    |                  |                           |                 |
|-----------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------|------------------|---------------------------|-----------------|
|                                                                                   |              |  |             |  |                  |                           |                 |
|                                                                                   |              | Female/Female                                                                     |             | Male/Female                                                                        |                  |                           |                 |
| Brand                                                                             | RS Stock No. | Gender Type                                                                       | Thread Size | Body Length (mm)                                                                   | Stud Length (mm) | Hex Size Across Flat (mm) | Hole Depth (mm) |
|  | 806-6663     | Male/Female                                                                       | M6 x M6     | 15                                                                                 | 10               | 10                        | 12              |
|                                                                                   | 806-6667     | Male/Female                                                                       | M6 x M6     | 20                                                                                 | 10               | 10                        | 12              |
|                                                                                   | 806-6676     | Male/Female                                                                       | M6 x M6     | 25                                                                                 | 10               | 10                        | 15              |
|                                                                                   | 806-6679     | Male/Female                                                                       | M6 x M6     | 30                                                                                 | 10               | 10                        | 15              |
|                                                                                   | 806-6673     | Male/Female                                                                       | M6 x M6     | 35                                                                                 | 10               | 10                        | 15              |
|                                                                                   | 806-6682     | Male/Female                                                                       | M6 x M6     | 40                                                                                 | 10               | 10                        | 15              |
|                                                                                   | 806-6685     | Male/Female                                                                       | M6 x M6     | 45                                                                                 | 10               | 10                        | 15              |
|                                                                                   | 806-6689     | Male/Female                                                                       | M6 x M6     | 50                                                                                 | 10               | 10                        | 15              |
|                                                                                   | 806-6698     | Male/Female                                                                       | M6 x M6     | 55                                                                                 | 10               | 10                        | 15              |
|                                                                                   | 806-6691     | Male/Female                                                                       | M6 x M6     | 60                                                                                 | 10               | 10                        | 15              |

| Hex Body Shape, Zinc Plated Steel                                                   |              |                                                                                     |             |                                                                                     |                  |                           |                 |
|-------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|------------------|---------------------------|-----------------|
|                                                                                     |              |  |             |  |                  |                           |                 |
|                                                                                     |              | Female/Female                                                                       |             | Male/Female                                                                         |                  |                           |                 |
| Brand                                                                               | RS Stock No. | Gender Type                                                                         | Thread Size | Body Length (mm)                                                                    | Stud Length (mm) | Hex Size Across Flat (mm) | Hole Depth (mm) |
|  | 806-6601     | Female/Female                                                                       | M3 x M3     | 5                                                                                   |                  | 5                         | 5               |
|                                                                                     | 806-6597     | Female/Female                                                                       | M3 x M3     | 10                                                                                  |                  | 5                         | 10              |
|                                                                                     | 806-6584     | Female/Female                                                                       | M3 x M3     | 15                                                                                  |                  | 5                         | 10              |
|                                                                                     | 806-6581     | Female/Female                                                                       | M3 x M3     | 20                                                                                  |                  | 5                         | 10              |
|                                                                                     | 806-6623     | Female/Female                                                                       | M3 x M3     | 25                                                                                  |                  | 5                         | 10              |
|                                                                                     | 806-6610     | Female/Female                                                                       | M3 x M3     | 30                                                                                  |                  | 5                         | 10              |
|                                                                                     | 806-6566     | Female/Female                                                                       | M4 x M4     | 10                                                                                  |                  | 7                         | 10              |
|                                                                                     | 806-6550     | Female/Female                                                                       | M4 x M4     | 15                                                                                  |                  | 7                         | 10              |
|                                                                                     | 806-6569     | Female/Female                                                                       | M4 x M4     | 20                                                                                  |                  | 7                         | 10              |
|                                                                                     | 806-6594     | Female/Female                                                                       | M4 x M4     | 25                                                                                  |                  | 7                         | 10              |
|                                                                                     | 806-6626     | Female/Female                                                                       | M4 x M4     | 30                                                                                  |                  | 7                         | 10              |
|                                                                                     | 806-6607     | Male/Female                                                                         | M3 x M3     | 5                                                                                   | 8                | 5                         | 4.3             |
|                                                                                     | 806-6588     | Male/Female                                                                         | M3 x M3     | 10                                                                                  | 8                | 5                         | 8.5             |
|                                                                                     | 806-6572     | Male/Female                                                                         | M3 x M3     | 15                                                                                  | 8                | 5                         | 13              |
|                                                                                     | 806-6613     | Male/Female                                                                         | M3 x M3     | 20                                                                                  | 8                | 5                         | 15              |
|                                                                                     | 806-6629     | Male/Female                                                                         | M3 x M3     | 25                                                                                  | 10               | 5                         | 15              |
|                                                                                     | 806-6617     | Male/Female                                                                         | M3 x M3     | 30                                                                                  | 10               | 5                         | 15              |
|                                                                                     | 806-6578     | Male/Female                                                                         | M4 x M4     | 10                                                                                  | 8                | 7                         | 8.5             |
|                                                                                     | 806-6562     | Male/Female                                                                         | M4 x M4     | 15                                                                                  | 8                | 7                         | 13              |
|                                                                                     | 806-6575     | Male/Female                                                                         | M4 x M4     | 20                                                                                  | 8                | 7                         | 15              |
|                                                                                     | 806-6604     | Male/Female                                                                         | M4 x M4     | 25                                                                                  | 10               | 7                         | 15              |
|                                                                                     | 806-6590     | Male/Female                                                                         | M4 x M4     | 30                                                                                  | 10               | 7                         | 15              |



A collection of RS PRO pneumatic components is displayed on a dark, textured surface. The central focus is a large blue air hose reel with a black hose and a blue spray gun attached. To the right is a silver air filter with the RS PRO logo. In the foreground, there is a pressure regulator with a brass body and a black knob, and several black and blue fittings. A small red and white robot with the RS PRO logo is positioned near the hose reel. The background is a blurred industrial setting with blue structural elements and a red light.



**RS PRO products are audited against demanding international standards, inspected for durability and consistency and tested by leading engineers.**

Only when products have been through this process are they awarded our seal of approval, quality that can be trusted. Confidence in this process is reflected in our long product warranties, proof that our products will consistently deliver the quality you expect for a long time to come.



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