

FASTENERS

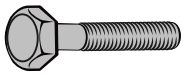
Selection Guide

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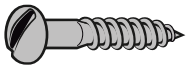
COMMON FASTENER TYPES



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.



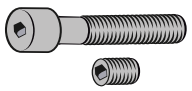
Wood screws
Wood screws are primarily used in carpentry applications. They provide a strong clamping force which strengthens the joint between two materials. Wood screws are suitable for fixing hinges, bolts, locks and other door hardware.



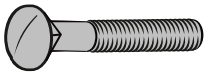
Self-drilling, Self-tapping and Thread-forming screws
These are screws which form a thread as they are inserted. The choice of screw used will depend upon the material, its thickness and the application. A pilot hole may be required.



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.

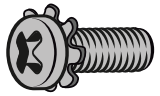


Nuts
Nuts are used with machine threaded fasteners in through-hole applications. Hex nuts are the most common type and are for general-purpose fastening applications. Other types are chosen depending on the application required. These include locking nuts, which are used when a greater resistance to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

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



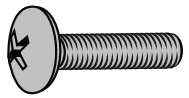
Washers
Washers are generally used with a machine threaded fastener and nut to spread the load over a greater surface area when tightening a bolt, screw or nut.



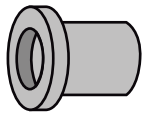
Sems Screws
Sems screws are screw/washer assemblies used to speed assembly of parts in a production environment. They contain an integral, spinning captive washer in a variety of forms.



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 suppled 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.



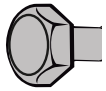
Nylon
Nylon fasteners offer good value and are ideal where a corrosion-free, lightweight solution is required. They offer good insulation resistance and can be used in high voltage assemblies.



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.



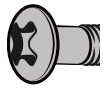
HEAD TYPES



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.



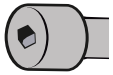
Pan
Consists of a raised, domed head which sits above the material surface.



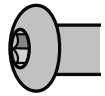
Countersunk (flat)
Fastened into a countersunk hole with head sitting flush with the material surface.



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



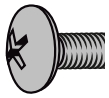
Socket
Narrow head with an internal hex socket drive. A headless version is available and is known as a socket set screw or grub screw.



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.

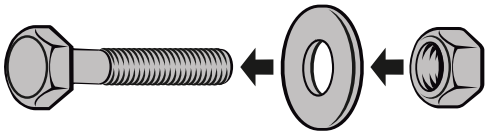


Grade 8.8 Grade 10.9 Grade 12.9

NUT AND WASHER SIZES

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

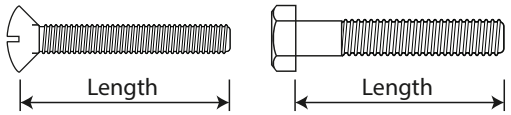
In the case of metric machine threaded fasteners, the thread size will denote the size of screw or bolt required.



M4 x 50mm M4 M4

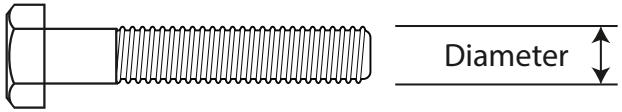
MEASURING LENGTH

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



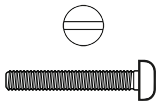
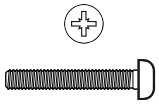
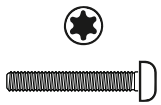
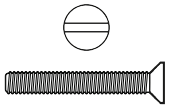
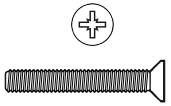
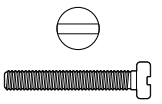
When secure clamping of pipes, conduits or cables is a requirement, P-clips provide the best solution. The one-piece construction gives strength while a rubber liner, suitable for wide range of operating temperatures, helps limit vibration and chafing of the cable or pipe.

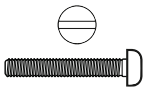
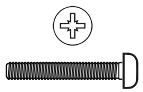
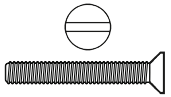
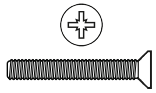
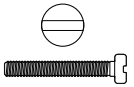
Our range includes mild steel for general industrial applications and A2 (304) grade stainless steel for demanding and corrosive environments.

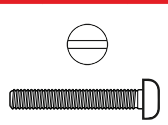
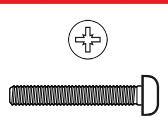
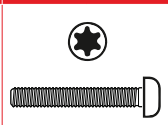
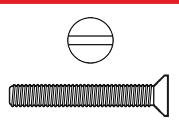
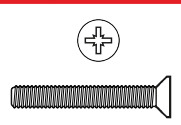
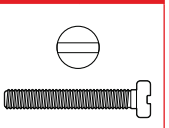
Sign Clamps and Banding

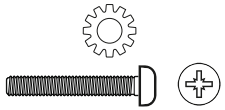
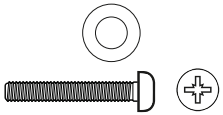
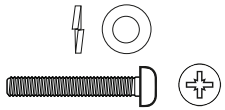


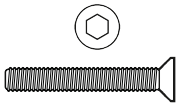
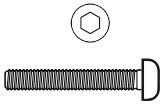
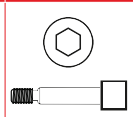
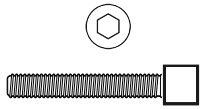
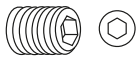
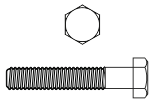
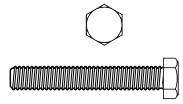
Designed specifically for the fixing of signs, bins, boxes, street furniture and CCTV systems to a holding post, sign clamps can be cut to size and offer tamper/vandal resistance to the screw or fixing. Banding and banding kits give you the flexibility to cut to length and create specific fixings suited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

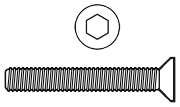
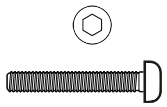
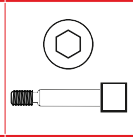
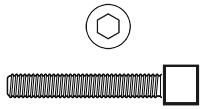
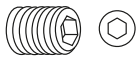
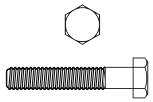
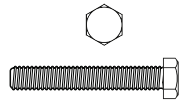
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	BZP	Nickel Plated Brass	Brass	A2	A4	BZP	Nickel Plated Brass	Black ZP	A2	A4	BZP	A2	BZP	Nickel Plated Brass	A2	A4	BZP	A2	A4	Nickel Plated Brass	A2	BZP	Nickel Plated Brass
M2 x 3mm				914-1560																			
M2 x 4mm									914-1462						914-1624			914-1759					
M2 x 5mm				914-1563					914-1466						914-1633								
M2 x 6mm	560-704	482-7679	483-1325	526-906		560-530	482-7714		528-693					482-7685	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	483-1331	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	560-732	482-8470		526-934		560-568	483-0057		528-722		482-7887		448-7956	482-9158			908-7479					546-6124	482-7708
M2.5 x 16mm		482-8486		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	482-8559		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								

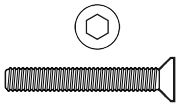
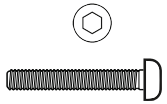
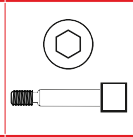
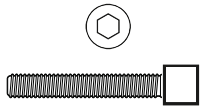
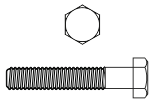
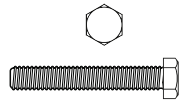
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	BZP	Nickel Plated Brass	Brass	A2	A4	BZP	Nickel Plated Brass	Black ZP	A2	A4	BZP	A2	BZP	Nickel Plated Brass	A2	A4	BZP	A2	A4	Nickel Plated Brass	A2	BZP	Nickel Plated Brass
M3.5 x 6mm		482-8587							914-1504					482-9237									
M3.5 x 8mm						908-7665			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	482-8600				908-7677							908-7384	482-9259						482-9546			
M3.5 x 20mm		482-8616				560-669			528-794				908-7393							482-9552			
M3.5 x 25mm						908-7671							908-7396							482-9568			
M3.5 x 30mm		482-8638				908-7680								482-9265						482-9580			
M3.5 x 35mm																				482-9596			
M3.5 x 40mm																				482-9603			
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	482-8644	483-1505	527-016	189-355	560-675	483-0158	483-0978	528-801	914-1848		262-5910	908-7390	482-9271		158-3376			158-3607		262-5718	546-6219	482-9827
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	482-9300	527-195	158-3405	553-431	528-980	158-3629	482-9675	262-5746	546-6247	482-9861
M4 x 20mm	560-013	482-8672	483-1549	527-050	189-406	553-560	483-0192		528-845	190-529	482-7966		553-891		527-202	158-3411	553-447	528-996	158-3635	482-9681		546-6253	482-9877
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		482-9704		546-6275	482-9899
M4 x 35mm						908-7696			914-1501													908-7769	
M4 x 40mm	560-041	482-8701		130-640		553-598	483-0221		797-6200				908-7416	482-9338	914-1668		908-7514	914-1793		482-9710		908-7762	
M4 x 50mm	290-073	482-8717	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
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M5 x 35mm	908-7609			914-1591		908-7700			797-6210				908-7425		914-1686	914-1885	908-7536	914-1800				908-7781	
M5 x 40mm	560-108	482-8795		130-678		553-655	483-0300		914-1513				908-7429	482-9423		914-1888	908-7545	914-1804				908-7784	
M5 x 45mm				914-1595																			

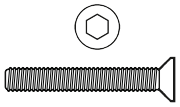
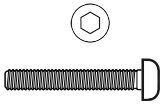
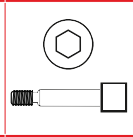
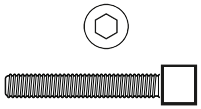
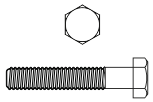
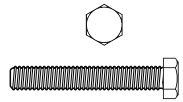
	Pan Head Slotted DIN 85					Pan Head Cross Recess DIN 7985					Pan Head Torx DIN 7985T		Csk Head Slotted DIN 963				Csk Head Cross Recess DIN 965			Csk Raised Head Slotted DIN 964	Csk Head Torx DIN 965T	Cheese Head Slotted DIN 84	
																							
	BZP	Nickel Plated Brass	Brass	A2	A4	BZP	Nickel Plated Brass	Black ZP	A2	A4	BZP	A2	BZP	Nickel Plated Brass	A2	A4	BZP	A2	A4	Nickel Plated Brass	A2	BZP	Nickel Plated Brass
M5 x 50mm	290-089	482-8802	483-1640	130-684		908-7719			914-1526				908-7438	482-9439	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		914-1692	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	
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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	483-0007
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					
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M6 x 45mm																914-1908		914-1835					
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M6 x 60mm				130-729					914-1541				908-7441		914-1715	914-1905	908-7567						
M6 x 70mm				914-1614											914-1719								
M6 x 75mm															914-1728	914-1914							
M6 x 80mm																914-1917							
M8 x 12mm				914-1618					914-1545														
M8 x 16mm	908-7615					908-7725			914-1554						914-1721								
M8 x 20mm	908-7624			130-757		908-7728			914-1557				908-7450		914-1725	914-1911	908-7560						
M8 x 25mm	908-7627			914-1627	914-1854	908-7722			914-1551				908-7453		914-1734	914-1920		914-1832					
M8 x 30mm	908-7621			130-779		908-7731							908-7457		914-1737	914-1923	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																914-1936							
M8 x 50mm	908-7633			130-814		908-7738							908-7469		914-1743	914-1939	908-7589						
M8 x 60mm				914-1620											914-1747	914-1933							

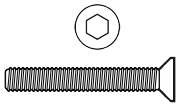
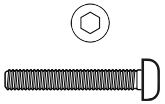
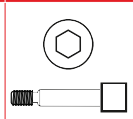
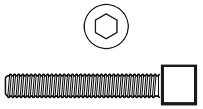
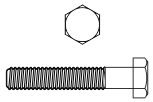
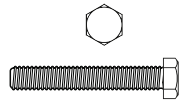
	Pan Head Cross Recess Sems Screw External Shake Proof Washer	Pan Head Cross Recess Sems Screw Plain Flat Washer	Pan Head Cross Recess Sems Screw Spring Washer
			
	BZP	BZP	BZP
M3 x 6mm	278-641	278-821	279-149
M3 x 12mm	278-657	278-837	279-155
M4 x 6mm	278-685	278-865	279-183
M4 x 12mm	278-691	278-871	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	

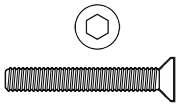
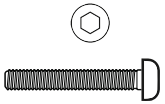
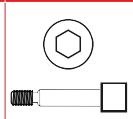
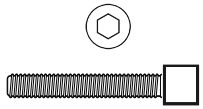
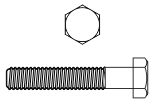
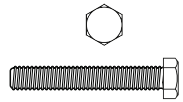
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	BZP	Black Self Colour	A2	A4	BZP	Black Self Colour	A2	A4	Black Self Colour	BZP	Black Self Colour	A2	A4	Titanium	Black Self Colour	A2	A4	BZP	A2	BZP	Brass	A2	A4
M2 x 3mm															431-965								
M2 x 4mm											293-274												
M2 x 6mm											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	232-8366	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	232-8372	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	304-4902	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			

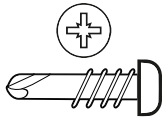
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	BZP	Black Self Colour	A2	A4	BZP	Black Self Colour	A2	A4	Black Self Colour	BZP	Black Self Colour	A2	A4	Titanium	Black Self Colour	A2	A4	BZP	A2	BZP	Brass	A2	A4
M5 x 10mm	483-9824	281-451	124-7219	304-4889	483-9616	281-259	183-8660	232-8221	292-271	483-8269	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	171-859	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	171-871	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			124-7221		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	304-4867	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	171-887	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												
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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	124-7225		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

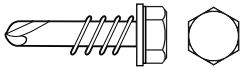
	Hex Socket Csk Screw				Hex Socket Button Screw ISO 7380				Hex Socket Shoulder Screw ISO 7379	Hex Socket Cap Screw DIN 912					Grub Screw / Socket Set Screw DIN 916			Hex Head Bolt DIN 931		Hex Head Set Screw DIN 933			
																							
	BZP	Black Self Colour	A2	A4	BZP	Black Self Colour	A2	A4	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	124-7257	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	124-7260	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			

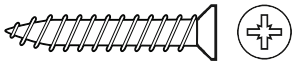
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	BZP	Black Self Colour	A2	A4	BZP	Black Self Colour	A2	A4	Black Self Colour	BZP	Black Self Colour	A2	A4	Titanium	Black Self Colour	A2	A4	BZP	A2	BZP	Brass	A2	A4
M10 x 80mm	124-7180	124-7204	124-7246	124-7263						124-7288	468-0357	124-7365	124-7373					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			124-7248		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	124-7188										468-0436	917-6248						279-846	508-1149	917-2965			
M12 x 100mm	124-7189		124-7256								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			

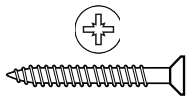
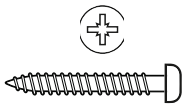
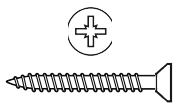
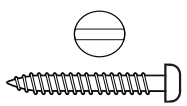
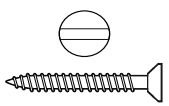
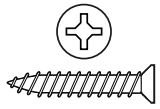
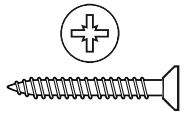
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	BZP	Black Self Colour	A2	A4	BZP	Black Self Colour	A2	A4	Black Self Colour	BZP	Black Self Colour	A2	A4	Titanium	Black Self Colour	A2	A4	BZP	A2	BZP	Brass	A2	A4
M12 x 220mm																		917-3239					
M12 x 230mm																		917-3233					
M12 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		917-3015			
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										124-7311	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					
M16 x 120mm											468-0543							279-953		917-3040			
M16 x 130mm																		917-3292		917-3043			

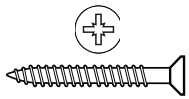
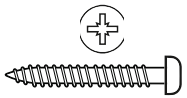
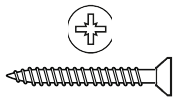
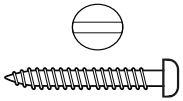
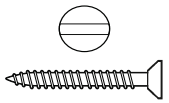
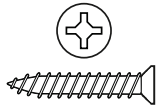
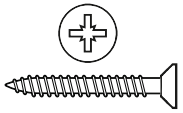
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	BZP	Black Self Colour	A2	A4	BZP	Black Self Colour	A2	A4	Black Self Colour	BZP	Black Self Colour	A2	A4	Titanium	Black Self Colour	A2	A4	BZP	A2	BZP	Brass	A2	A4
M16 x 140mm																		917-3295		917-3047			
M16 x 150mm																		917-3299		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										124-7314	124-7341							279-969					
M20 x 65mm											124-7342							279-975		917-3065			
M20 x 70mm										124-7315	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 DIN 7981C			Cross Recess CSK Self-Tapper DIN 7982C			Cross Recess Pan Self-Driller 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		

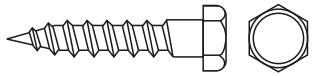
	Hex Self Driller with washer DIN 7504K
	
	BZP
4.2 x 13mm	546-5806
4.2 x 19mm	546-5812
4.2 x 25mm	546-5828
4.8 x 16mm	546-5834
4.8 x 19mm	546-5856
4.8 x 25mm	546-5862
5.5 x 19mm	546-5878
5.5 x 25mm	546-5884
5.5 x 32mm	546-5890
5.5 x 38mm	546-5913

	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 DIN 7996	Cross Recess Countersunk Single Thread DIN 7997	Slot Round Single Thread DIN 96	Slot Countersunk Single Thread 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							

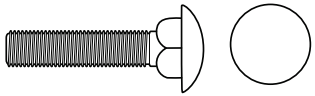
	Cross Recess Countersunk General Purpose		Cross Recess Round Single Thread DIN 7996	Cross Recess Countersunk Single Thread DIN 7997	Slot Round Single Thread DIN 96	Slot Countersunk Single Thread DIN 97	Ulti-Mate Pozisquare Countersunk High Performance	Unifix Vortex Recessed Countersunk High Performance
								
	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		483-3034		
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

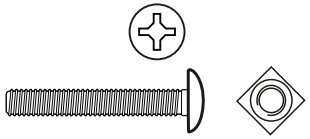
Hex Coach Screw DIN 571

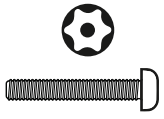
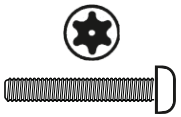
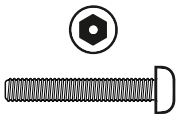


	BZP	A2
M6 x 25mm	144-3532	
M6 x 30mm	824-856	
M6 x 40mm	824-878	144-3548
M6 x 50mm	824-890	144-3549
M6 x 60mm	824-913	144-3550
M6 x 70mm	824-935	144-3551
M6 x 80mm	144-3533	
M6 x 90mm	144-3534	
M6 x 100mm	144-3535	
M8 x 25mm	144-3536	
M8 x 30mm	144-3537	
M8 x 40mm	824-941	
M8 x 45mm	824-957	
M8 x 50mm	824-963	144-3552
M8 x 60mm	824-985	144-3553
M8 x 65mm	824-991	
M8 x 70mm	825-001	144-3554
M8 x 75mm	825-017	
M8 x 80mm	825-023	144-3555
M8 x 100mm	144-3538	144-3556

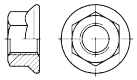
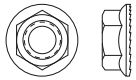
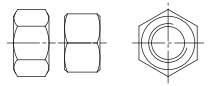
	BZP	A2
M10 x 50mm	825-039	144-3557
M10 x 60mm	825-051	144-3558
M10 x 70mm	825-073	144-3559
M10 x 75mm	825-089	
M10 x 80mm	825-095	144-3560
M10 x 100mm	825-118	144-3561
M10 x 120mm	144-3539	144-3562
M10 x 130mm	144-3540	
M10 x 140mm	144-3541	
M10 x 150mm	144-3542	
M12 x 40mm	144-3543	
M12 x 50mm	144-3544	
M12 x 60mm	825-124	
M12 x 70mm	144-3545	
M12 x 75mm	825-152	
M12 x 80mm	825-168	
M12 x 100mm	825-180	
M12 x 120mm	825-203	
M12 x 130mm	144-3546	
M12 x 150mm	144-3547	

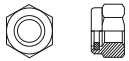
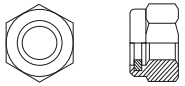
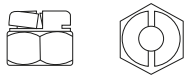
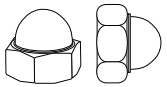
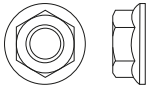
	Coach/Carriage Bolt DIN 603-555	
		
	BZP	A2
M6 x 20mm		122-4417
M6 x 25mm	512-0985	122-4418
M6 x 30mm	512-0991	122-4419
M6 x 35mm		122-4420
M6 x 40mm	512-1001	122-4421
M6 x 50mm	512-1017	122-4422
M6 x 60mm		122-4423
M6 x 65mm	512-1023	
M6 x 70mm		
M6 x 75mm	512-1039	
M6 x 100mm	512-1039	
M8 x 20mm		122-4424
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

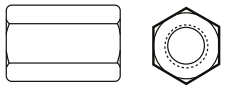
	Mushroom Head Roofing Bolt with Square Nut
	
	BZP
M6 x 12mm	277-604
M6 x 16mm	277-610
M6 x 20mm	277-626
M6 x 25mm	277-632
M6 x 40mm	277-648
M6 x 50mm	277-654
M6 x 60mm	277-660
M6 x 70mm	277-676
M8 x 12mm	277-682
M8 x 20mm	277-698
M8 x 30mm	277-705
M8 x 40mm	277-711
M8 x 60mm	277-733
M8 x 70mm	277-749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

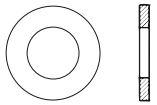
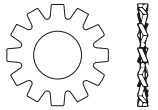
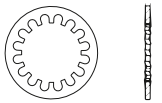
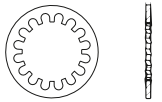
	Pan Head Security	Csk Head Security		Button Head 6 Lobe Security	Button Head Hex Security	System Zero Tamper Proof Head Security	
							
	BZP	BZP	A2	A4	BZP	Zinc Plated Steel	A2
M3x6mm	482-8256	482-8111	621-2495	621-2631	621-2754	524-534	300-7672
M3x12mm	482-8262	482-8133	621-2502	621-2625	621-2748	524-540	
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	482-8206	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	482-8228	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

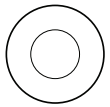
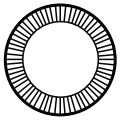
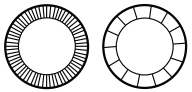
	Threaded Rods DIN 976				
					
	Nylon	Brass Self Colour	A2	A4	BZP
M3x1m		468-7077	280-363	200-9942	530-292
M4x1m	280-436	468-7083	280-379	200-9958	530-309
M5x1m	280-442	468-7106	280-385	200-9964	530-315
M6x1m	280-458	468-7112	280-391	200-9970	530-321
M8x1m	280-464	468-7128	280-408	200-9986	530-337
M10x1m	280-470	468-7134	280-414	200-9992	530-343
M12x1m	280-486		280-420	201-0071	530-359
M16x1m		289-089	289-089	201-0201	276-500
M20x1m			289-095	201-0223	276-516

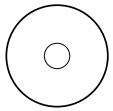
	Unserrated Flange Nut DIN 6923		Serrated Flange Nut DIN 6923		Nylon Insert Flange Locking Nut DIN 6926	Square Nut DIN 562	Half Nut DIN 439			Full Nut DIN 934				
														
	BZP	A2	BZP	A2	BZP	BZP	Nickel Plated Brass	A2	A4	BZP	Nickel Plated Brass	Brass	A2	A4
M2							483-0316			560-271		483-2457	527-218	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 Locking Nut DIN 982		Nylon Insert Locking Nut DIN 985		Aerotight® Locking Nut			Dome Nut DIN 1587 (Except M3 & M4)			Wing Nut			Heico Lock Delta Protekt Wedge 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	914-3437
M16	276-780	122-4376	275-692	797-6377					797-6080					914-3430
M20	276-796	122-4377	275-709	797-6386					797-6099					

	Connecting/Coupling Nuts DIN 6334		
			
	BZP	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 DIN 125A (except Form B, C and G: BS 4320)										External Shakeproof Washer DIN 6797A	Internal Toothed Shakeproof Washer DIN 6797J		Internal Serrated Shakeproof Washer 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 DIN 7980			Crinkle Washer BS 4463		Sealing Washers 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			528-154			
M2.5	526-798 (Rectangular)	825-225		289-641	428-622		289-073	528-160			
M3	526-805	825-231	189-686	289-657	428-638	293-167	526-350	525-739			
M3.5		825-247									
M4	526-827	530-826	189-692	289-679	428-650	293-173	526-366	525-745			914-3349
M5	526-833	530-832	189-709	289-685	428-666	293-189	526-372	525-751	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	280-521	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

	Machine Screw		Electrical Screw	Socket Screws		
	Bright Zinc Plated Steel	Nylon	Nickel Plated Brass	Black Self Colour Steel	Bright Zinc Plated Steel	A2 Stainless Steel
						
	849-423	524-095	233-4355	823-897	290-9606	393-179
Brand	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO
Drive Type	Slotted	Slotted	Slotted	Hex Socket	Hex Socket	Hex Socket
Number of Pieces	3160	600	2050	455	450	410
Head Shape	Countersunk & Pan	Cheese, Flat	Cheese, Oval, Pan, Round	Countersunk	Countersunk	Countersunk
Thread Sizes	M2, M2.5, M3, M4, M5, M6	M3, M4, M5	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 → 25mm	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

	Grub Screw	Wood Screws				Ulti-Mate High Performance Woodscrews
	Black Self Colour Steel	Bright Zinc Plated Steel	Zinc Plated Plastic, Steel	A2 Stainless Steel	A2 Stainless Steel	Zinc Plated & Yellow Passivated Steel
						
	524-275	528-514	792-2913	483-3270	483-3258	493-4632
Brand	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO	Ulti-Mate
Drive Type	Slotted	Cross Recessed	Cross Recessed	Cross Recessed	Slotted	Pozisquare
Number of Pieces	900	1250	4	1240	1250	845
Head Shape	Grub	Countersunk & Round	Countersunk	Countersunk & Round	Countersunk & Round	Countersunk
Thread Sizes	10BA, 6BA, 8BA, M1.6, M2, M2.5	No. 6, No. 8, No. 10		3.5mm, 4mm, 5mm	3.5mm, 4mm, 5mm	3.5mm, 4 mm, 5 mm, 6 mm
Screw/Bolts Lengths	3 → 10 mm & 1/8→3/8in	3/4 → 2-1/2in		20 → 65mm	20 → 65mm	25 → 100mm

	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	A2 Stainless Steel	A2 Stainless Steel	A4 Stainless Steel	Bright Zinc Plated Steel	Bright Zinc Plated Steel
						
	180-796	180-780	530-523	535-2362	395-412	534-9552
Brand	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO
Drive Type	Cross Recessed	Slotted	Cross Recessed & Slotted	Cross Recessed	Hex	Cross Recessed
Number of Pieces	890	890	1200	890	680	1190
Head Shape	Countersunk & Pan	Countersunk & Pan	Pan	Countersunk & Pan	Indented Washer	Pan
Thread Sizes	No. 6, No. 8, No. 10	No. 6, No. 8, No. 10	No. 4, 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	3/8 → 1in	3/8 → 1in	13 → 38mm	9.5 → 25mm

Screw/Bolt Kits

	Thread Rolling Screws			Security Screw		
	Bright Zinc Plated, Clear Passivated Steel	Bright Zinc Plated Steel	Bright Zinc Plated Steel	Zinc Plated Steel	Zinc Plated Steel Machine Screw Kit	Zinc Plated Steel Machine & Self-Tapping Screw Kit
						
	483-1319	482-7528	482-7534	267-8043	483-931	483-941
Brand	RS PRO	RS PRO	RS PRO	System Zero	System Zero	System Zero
Drive Type	Cross Recessed	Cross Recessed	Cross Recessed	System Zero	System Zero	System Zero
Number of Pieces	250	250	250	545	1017	1400
Head Shape	Pan	Pan	Countersunk	System Zero	System Zero	System Zero
Thread Sizes	M3, M4	No. 10, No. 4, No. 6, No. 8	No. 10, No. 4, No. 6, No. 8	No. 4, No. 6, No. 8	M2.5, M3, M3.5, M4, M5, M6	M2.5, M3, M3.5, M4, M5, M6,
Screw/Bolts Lengths	5 → 12mm	1/4 → 3/8in	1/4 → 3/4in	6 → 25mm	6 → 40mm	6 → 40mm

Screw/Bolt/Nut Kits

	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	Nickel Plated Brass	A4 Stainless Steel	Bright Zinc Plated Steel	A2 Stainless Steel	A2 Stainless Steel
						
	233-4349	100-204	823-875	819-9000	281-978	281-984
Brand	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO
Drive Type	Hex Socket	Slot	Slot	Slot	Slot	Cross Recessed
Number of Pieces	3100	2447	1897	2370	3137	3168
Head Shape	Hex	Round		Cheese	Countersunk & Pan	Countersunk & Pan
Thread Sizes	M10, M4, M6, M8	0BA, 2BA, 4BA, 6BA	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	1/4 → 1-1/4in	6 → 25mm	6 → 25mm	6 → 25mm	6 → 25mm
Nut Type	Hex Full & Nylon Locking Nut	Hex Full	Hex Full	Hex Full	Hex Full	Hex Full
Washer Type	Plain	Plain	Plain	Plain	Plain	Plain

	Machine Screw				Electrician's Kits		Security Screw
	A4 Stainless Steel	Self ColourBrass	Bright Zinc Plated, Clear Passivated Steel	Nickel Plated Brass	Nickel Plated Brass (Raised Csk) & Self Colour (Pan, nut, washer)	Nickel Plated Brass (Raised Csk) & Self Colour (Pan, nut, washer)	A2 Stainless Steel
							
	395-434	100-282	281-962	482-7742	100-226	100-298	819-9004
Brand	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO
Drive Type	Cross Recessed	Slot	Cross Recessed	Slot	Slot	Slot	Torx
Number of Pieces	1905	2061	3160	3208	1250	1250	2475
Head Shape	Countersunk & Pan	Pan	Countersunk & Pan	Pan	Raised Csk & 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	M3.5, M4	M3, M4, M5, M6
Screw/Bolts Lengths	6 → 30mm	6 → 30mm	6 → 40mm	6 → 40mm	6 → 75mm	6 → 75mm	6 → 25mm
Nut Type	Hex Full	Hex Full	Hex Full	Hex Full	Hex Full	Hex Full	Hex Full
Washer Type	Plain	Plain	Plain	Plain	Plain	Plain	Plain

	Cage	Captive	Dome	Hex Full		
	Zinc Plated Steel	Zinc Plated Steel	Bright Zinc Plated Steel	Bright Zinc Plated Steel	A2 Stainless Steel	A4 Stainless Steel
						
	289-821	289-837	282-8894	823-881	200-9784	200-9778
Brand	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO
Number of Pieces	460	480	315	2140	1710	820
Thread Sizes	M5, M6	2BA, M4, No. 10, No. 4, No. 6, No. 8	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	Plain Nylon	Bright Zinc Plated Steel	A2 Stainless Steel	A4 Stainless Steel	Bright Zinc Plated Steel
						
	100-210	200-9841	278-095	200-9813	200-9807	282-8888
Brand	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO
Number of Pieces	1070	650	545	545	545	340
Thread Sizes	M2, M3, M4, M5, M6, M8, M10	M2, M2.5, 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	M3, M4, M5, M6, M8, M10, M12

	Crinkle		Internal Tooth Shakeproof, Plain & Spring			Mudguard
	A2 Stainless Steel	Beryllium Copper	Bright Zinc Plated Steel	A2 Stainless Steel	A4 Stainless Steel	Bright Zinc Plated Steel
						
	524-253	289-815	281-956	200-9835	665-7321	687-9868
Brand	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO
Number of Pieces	1275	1160	3000	3000	2100	360
Thread Sizes	1/2 in, 1/4 in, 2BA, 3/4 in, 3/8 in, 4BA, 5/16 in, 6BA, 7/16 in, 8BA, M2, M2.5, M3, M3.5, M4, M5, M6, M8	1/2 in, 1/4 in, 2BA, 3/4 in, 3/8 in, 4BA, 5/16 in, 6BA, 7/16 in, 8BA, M2, M2.5, M3, M3.5, M4, M5, M6, M8	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	Plain Nylon	Red Vulcanised Fibre
					
	395-418	721-1487	482-8442	200-9863	289-174
Brand	RS PRO	RS PRO	RS PRO	RS PRO	RS PRO
Number of Pieces	240	240	1080	1600	1465
Thread Sizes	M5, M6, M8, M10	M5, M6, M8, M10	M2, M3, M4, M5, M6, M8, M10	M2, M2.5, M3, M4, M5, M6, M8, M10, M12	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			

	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
													
	RS PRO			JCS	JCS	JCS	Jubilee			Jubilee	RS PRO	RS PRO	JCS
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			

	Jubilee 8mm Bolt Head Superclamp			Jubilee 10mm Bolt Head Superclamp			Jubilee 13mm Bolt Head Superclamp			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 Superclamp			Jubilee 10mm Bolt Head Superclamp			Jubilee 13mm Bolt Head Superclamp			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
50 - 380mm																	144-0743	144-0767	144-0792

Bolt Drives, Mini-Clips & Quick Release Straps

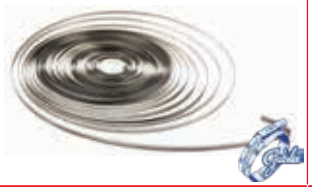
	Jubilee 8mm Bolt Head Superclamp			Jubilee 10mm Bolt Head Superclamp			Jubilee 13mm Bolt Head Superclamp			MIKALOR Heavy Duty Bolt Drive Supra Clamp		JCS Slotted Hex Mini-Clip	Jubilee Slotted Hex Mini Clip		Unex Slotted Screw Hose Clip	Unex Hex Hose Clip	Jubilee Slotted Hex Quick Release Strap		Jubilee 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 - 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										
104 - 112mm							121-9805	121-9819	124-5732	701-3898 (25mm)	701-3876 (25mm)								

* Size in brackets relates to band width

	Jubilee 8mm Bolt Head Superclamp			Jubilee 10mm Bolt Head Superclamp			Jubilee 13mm Bolt Head Superclamp			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
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	124-5735										
140 - 148mm							124-5684	124-5699	124-5736										
149 - 161mm							124-5685	124-5700	124-5737										
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

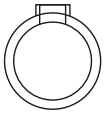
	Flexiband Buckle		Flexiband Tool	Multiband		
	A2 Stainless Steel	A2 Stainless Steel	A2 Stainless Steel	Zinc Plated Mild Steel	Zinc Plated Mild Steel	A2 Stainless Steel
						
	176-0788	176-0786	176-0785	124-5701	187-0399	121-9827
Brand	Jubilee	Jubilee	Jubilee	Jubilee	Jubilee	Jubilee
Manufacturer Part No.	FB16H	FB19H	FBT	MB1701	MB1702	MB1801
Band width (mm)				11	11	11
Length (m)				10	30	10
Number of Pieces	Box of 25	Box of 25	1	1 Roll	1 Roll	1 Roll
Fixing	For 16mm banding	For 19mm banding				

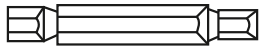
	Multiband					Multiband Connectors
	A2 Stainless Steel	A2 Stainless Steel	A2 Stainless Steel	A4 Stainless Steel	A4 Stainless Steel	Zinc Plated Mild Steel
						
	187-0412	124-5705	124-5706	144-0726	144-0727	867-5637
Brand	Jubilee	Jubilee	Jubilee	Jubilee	Jubilee	Jubilee
Manufacturer Part No.	MB1802	MB1601	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	A2 Stainless Steel
			
	727-5942	727-5945	280-0082
Brand	JCS	JCS	JCS
Manufacturer Part No.	MTC150P	MTC300P	MTK1BG
Band width (mm)	16	16	
Length (m)	0.15	0.3	
Number of Pieces	5	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

	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

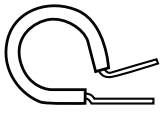
	Worm Drive					
	Zinc Plated Mild Steel	Zinc Plated Mild Steel	A2 Stainless Steel	A2 Stainless Steel	A2 Stainless Steel	A2 Stainless Steel
						
	908-9071	908-9087	908-9106	908-9080	908-9096	124-5703
Brand	Jubilee	Jubilee	Jubilee	Jubilee	Jubilee	Jubilee
Manufacturer Part No.	HCP143MS	PPMS	HP100SS	HCP143SS	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	

Hose Clip Kits

	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

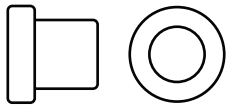
Fixing Hole dia x Closed inside dia	JCS TPE Rubber Liner	
		
	12.6mm Band Width A2	12.6mm Band Width Zinc Plated Mild Steel
6.6mm x 5mm	298-8053	298-7971
6.6mm x 6mm	298-8069	298-7987
6.6mm x 8mm	298-8075	298-7993
6.6mm x 10mm	298-8081	298-8003
6.6mm x 13mm	298-8097	298-8019
6.6mm x 16mm	298-8104	298-8025
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

Fixing Hole dia x Closed inside dia	Jubilee Zinc Plated Mild Steel P Clip with EPDM Rubber Liner
	
	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	144-0663
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

Fixing Hole dia x Closed inside dia	Jubilee A2 Stainless Steel P Clip with EPDM Rubber Liner
	
	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

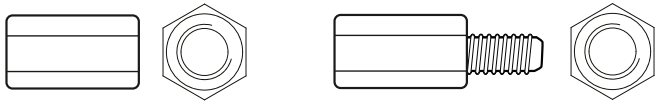
P-Clip Kits

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

	Nylon Screw Insulator					
						
Flange Thickness	**1mm**	**1mm**	**1.5mm**	**2mm**	**2mm**	**2.5mm**
Outside Diameter	**3mm**	**4mm**	**6mm**	**7mm**	**8mm**	**10mm**
Inside Diameter	**2.1mm**	**3.1mm**	**4.1mm**	**5.1mm**	**6.1mm**	**8.1mm**
Flange Diameter	**4.2mm**	**6.2mm**	**8.2mm**	**10.2mm**	**12.2mm**	**14.2mm**
M2 x 3mm	178-636					
M3 x 2mm		178-658				
M3 x 3mm		178-664				
M3 x 4mm		178-670				
M3 x 5mm		178-686				
M3 x 6mm		178-692				
M3 x 8mm		178-715				
M4 x 3mm			178-721			
M4 x 4mm			178-737			
M4 x 5mm			178-743			
M4 x 7mm			178-759			
M4 x 9mm			178-765			
M5 x 3mm				178-771		
M5 x 4mm				178-787		
M5 x 5mm				178-793		
M5 x 7mm				178-800		
M5 x 9mm				178-816		
M6 x 4mm					178-822	
M6 x 6mm					178-838	
M6 x 8mm					178-844	
M6 x 12mm					178-850	
M8 x 4mm						178-866
M8 x 6mm						178-872
M8 x 8mm						178-888
M8 x 12mm						178-894

Nylon Standoffs

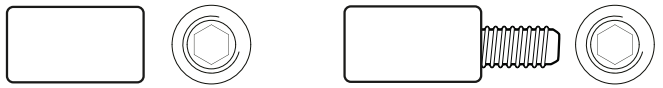
Hex Body Shape, Nylon



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)
RS PRO	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
	653-9526	Female/Female	M3 x M3	9		7	4
	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

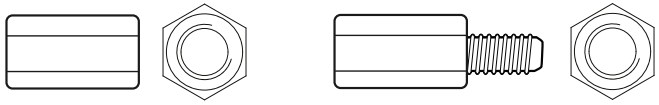


Female/Female Male/Female

Brand	RS Stock No.	Gender Type	Thread Size	Body Length (mm)	Stud Length (mm)	Outside Diameter (mm)	Hole Depth (mm)
RS PRO	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

Brass Standoffs

Hex Body Shape, Nickel Plated Brass



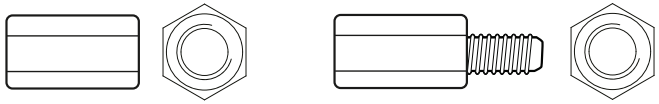
Female/Female

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
Richco	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

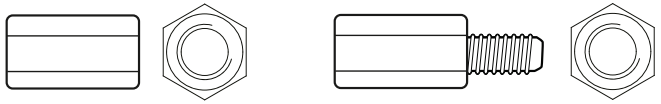
Hex Body Shape, Nickel Plated Steel



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)
RS PRO	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)
RS PRO	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

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