



DATVEST

FASTENERS
Product Range



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COMMON FASTENER TYPES



Hex bolts

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

Hex set screws

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



Wood screws

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



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

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



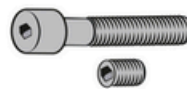
Machine screws

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



Socket screws

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



Coach/Carriage Bolts

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

Nuts

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



Washers

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



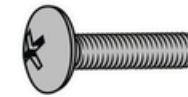
Sems Screws

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



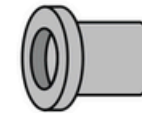
Coach Screws

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



Roofing Bolts

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



Screw Insulators

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



Standoffs

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



Hose clips and P-clips

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



Sign clamps

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



FASTENER MATERIALS & FINISHES

Zinc plated steel

Zincplating 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

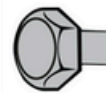
Nylon fasteners offer good value and are ideal where a corrosion-free, lightweight solution is required. They offer good insulation resistance and can be used in high voltage assemblies.

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.



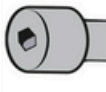
Countersunk (flat)

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



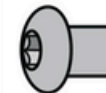
Countersunk (raised)

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.



Pozi-square/Phillips

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



Torx

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



Cross Recess

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



Hex socket

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



Security

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



GRADES AND STRENGTHS

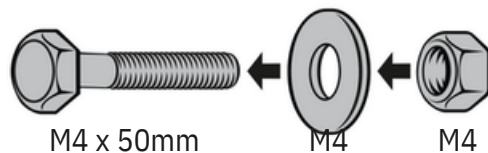
The fastener grade indicates the mechanical properties of the material and is stamped onto the head of a bolt or screw. A higher number indicates a stronger, more hardened material. So grade 12.9 will be stronger than 10.9. A manufacturer's stamp may also be marked.



NUT AND WASHER SIZES

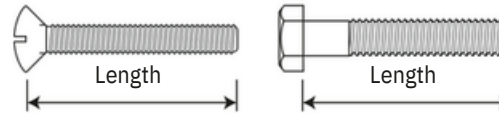
Nut and washer sizes indicate the size of screw or bolt they fit.

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



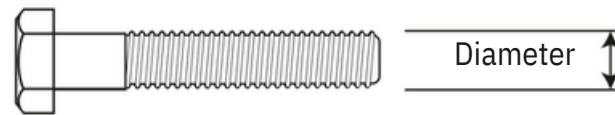
MEASURING LENGTH

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



MEASURING DIAMETER

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



THREAD PITCH

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

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

HOSE CLIPS, P-CLIPS & SIGN CLAMPS

Hose Clips

Typically fitted with a worm drive, hose clips are suited to most day-to-day requirements for connecting hose. Industry sectors including automotive, industrial, agricultural, construction and the DIY market make widespread use of hose clips for both pneumatic and hydraulic applications. The corrosion resistance of A2 (304) grade clips makes them ideal for use in the marine, oil, gas and the food industry as well as the agricultural, hardware and industrial markets. Our A4 (316) range offer the highest level of corrosion resistance for use within ship building and maintenance, plus food and chemical industries.



P-Clips

When secure clamping of pipes, conduits or cables is a requirement, P-clips provide the best solution. The one piece construction gives strength while a rubber liner, suitable for wide range of operating temperatures, helps limit vibration and chafing of the cable or pipe. Our range includes mild steel for general industrial applications and A2 (304) grade stainless steel for demanding and corrosive environments.

Sign Clamps and Banding

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





	Pan Head Slotted 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
M2 x 3mm				•																			
M2 x 4mm									•					•				•					
M2 x 5mm				•					•					•				•					
M2 x 6mm	•	•		•		•	•		•				•	•				•				•	
M2 x 8mm						•			•									•					
M2 x 10mm						•			•														
M2 x 12mm	•	•	•	•		•	•		•				•										•
M2 x 16mm													•										
M2.5 x 5mm						•			•						•								
M2.5 x 6mm	•	•		•		•	•		•		•	•	•	•			•					•	•
M2.5 x 8mm				•		•			•									•					
M2.5 x 10mm	•	•		•		•			•				•					•				•	•
M2.5 x 12mm		•		•		•	•		•		•		•					•				•	•
M2.5 x 16mm		•		•		•	•		•				•										
M2.5 x 20mm	•	•		•		•	•		•				•									•	•
M2.5 x 25mm		•					•																
M3 x 4mm						•			•														
M3 x 5mm				•		•			•					•				•					
M3 x 6mm	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M3 x 8mm	•			•	•	•			•	•			•				•	•	•	•	•	•	•
M3 x 10mm	•			•	•	•		•	•		•			•			•	•	•	•	•	•	•
M3 x 12mm	•	•		•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•
M3 x 16mm	•	•		•	•	•	•		•	•			•			•	•	•	•	•	•	•	•
M3 x 20mm	•	•	•	•		•	•		•	•	•	•	•	•	•	•	•	•	•	•		•	•
M3 x 25mm	•	•		•		•	•		•				•					•				•	•
M3 x 30mm		•	•	•		•	•		•				•	•									



	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
M3.5 x 6mm		•				•			•				•										
M3.5 x 8mm						•			•														
M3.5 x 10mm						•			•				•										•
M3.5 x 12mm	•	•				•			•				•	•		•				•		•	
M3.5 x 16mm	•	•				•			•				•	•						•			
M3.5 x 20mm		•				•			•				•							•			
M3.5 x 25mm						•							•							•			
M3.5 x 30mm		•				•								•						•			
M3.5 x 35mm																				•			
M3.5 x 40mm																				•			
M3.5 x 50mm																				•			
M3.5 x 60mm																				•			
M3.5 x 70mm																				•			
M4 x 5mm						•												•					
M4 x 6mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M4 x 8mm	•			•	•	•		•	•	•		•	•	•	•	•	•	•	•	•	•	•	•
M4 x 10mm	•			•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•
M4 x 12mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M4 x 16mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M4 x 20mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M4 x 25mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M4 x 30mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M4 x 35mm						•			•											•			
M4 x 40mm	•	•		•	•	•	•	•	•			•	•	•		•	•		•			•	•
M4 x 50mm	•	•	•	•	•	•		•	•			•	•	•		•	•		•			•	•
M5 x 6mm	•	•		•		•		•					•			•			•			•	
M5 x 8mm	•			•	•	•		•	•	•				•	•		•	•		•		•	•
M5 x 10mm	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M5 x 12mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M5 x 16mm	•	•	•	•	•	•		•	•		•	•	•	•	•	•	•	•	•	•	•	•	•
M5 x 20mm	•	•	•	•	•	•		•	•		•	•	•	•	•	•	•	•	•	•	•	•	•
M5 x 25mm	•	•	•	•	•	•		•	•			•	•	•	•	•	•	•	•	•	•	•	•
M5 x 30mm	•	•	•	•	•	•		•	•			•	•	•	•	•	•	•	•	•	•	•	•
M5 x 35mm	•			•		•		•				•	•	•		•	•		•			•	
M5 x 40mm	•	•		•		•	•	•				•	•	•		•	•		•			•	
M5 x 45mm				•																			



	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	•	•	•	•		•			•				•	•	•	•	•	•				•		
M5 x 60mm				•											•	•								
M5 x 75mm				•																				
M6 x 8mm									•															
M6 x 10mm	•			•	•	•			•	•			•		•	•	•	•	•				•	
M6 x 12mm	•	•	•	•	•	•		•	•			•	•		•	•	•	•	•				•	•
M6 x 16mm	•	•	•	•	•	•		•	•			•	•		•	•	•	•	•		•		•	
M6 x 20mm	•	•	•	•	•	•		•	•			•	•		•	•	•	•	•				•	•
M6 x 25mm	•	•	•	•	•	•		•	•			•	•		•	•	•	•	•				•	•
M6 x 30mm	•	•	•	•	•	•		•	•			•	•		•	•	•	•	•				•	
M6 x 35mm	•			•					•				•		•		•	•	•				•	
M6 x 40mm	•	•		•		•			•				•	•	•	•	•	•	•				•	•
M6 x 45mm																								
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M8 x 12mm				•					•															
M8 x 16mm	•					•			•															
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M8 x 35mm	•																							
M8 x 40mm	•			•		•							•		•	•	•	•	•					
M8 x 45mm																								
M8 x 60mm	•			•		•							•		•	•	•	•	•					
M8 x 70mm				•											•									



	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	●	●	●
M3 x 12mm	●	●	●
M4 x 6mm	●	●	●
M4 x 12mm	●	●	●
M4 x 16mm	●		
M5 x 10mm	●	●	●
M5 x 16mm	●	●	●
M6 x 12mm	●	●	●
M6 x 16mm	●	●	●
M6 x 20mm		●	



	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
M2 x 3mm																							
M2 x 4mm																							
M2 x 6mm																							
M2 x 12mm																							
M2.5 x 3mm																							
M2.5 x 4mm																							
M2.5 x 6mm																							
M2.5 x 12mm																							
M3 x 3mm																							
M3 x 5mm																							
M3 x 6mm																							
M3 x 8mm																							
M3 x 10mm																							
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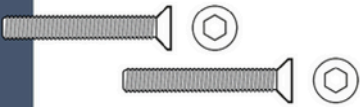
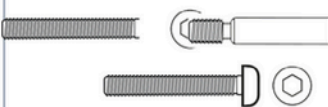
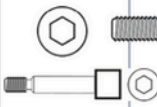
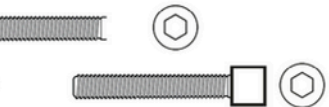
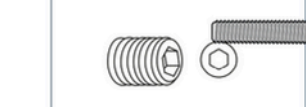
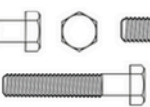
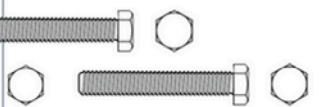


	Hex Socket Csk Screw				Hex Socket Button Screw ISO 7380				Hex Socket Shoulder Screw ISO 7379	Hex Socket Cap Screw DIN 912					Grub Screw / Socket Set Screw DIN 916			Hex Head Bolt DIN 931		Hex Head Set Screw DIN 933			
	BZP	Black Self Colour	A2	A4	BZP	Black Self Colour	A2	A4	Black Self Colour	BZP	Black Self Colour	A2	A4	Titanium	Black Self Colour	A2	A4	BZP	A2	BZP	Brass	A2	A4
M5 x 10mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•
M5 x 12mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•
M5 x 16mm	•	•	•	•	•	•	•	•	•	•	•	•	•			•				•	•	•	•
M5 x 20mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•						•	•	•	•
M5 x 25mm	•	•	•	•	•	•	•	•	•	•	•	•	•					•			•	•	•
M5 x 30mm	•	•	•	•				•	•	•	•	•	•	•				•			•	•	•
M5 x 35mm			•	•	•				•	•	•	•	•					•			•	•	•
M5 x 40mm			•						•	•	•	•	•					•			•	•	•
M5 x 45mm									•	•								•					
M5 x 50mm							•			•	•	•	•					•			•	•	
M5 x 60mm											•	•									•		
M6 x 6mm															•	•	•						
M6 x 8mm					•	•				•					•	•	•						
M6 x 10mm	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•			•	•	•	•
M6 x 12mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•
M6 x 14mm																							
M6 x 15mm						•																	
M6 x 16mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•
M6 x 20mm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				•	•	•	•
M6 x 25mm	•	•	•	•	•	•	•	•	•	•	•	•	•					•	•		•	•	•
M6 x 30mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•		•	•	•
M6 x 35mm	•	•	•		•				•	•	•	•	•					•	•		•	•	•
M6 x 40mm	•	•	•		•	•	•			•	•	•	•	•	•			•	•		•	•	•
M6 x 45mm	•								•	•	•	•	•					•	•		•	•	•
M6 x 50mm	•	•	•		•	•	•	•	•	•	•	•	•					•	•		•	•	•
M6 x 60mm	•		•				•		•	•	•	•	•					•	•		•	•	•
M6 x 65mm	•																						
M6 x 70mm			•						•	•	•									•		•	
M6 x 75mm																							
M6 x 80mm																							
M6 x 90mm																							
M6 x 100mm																		•			•		
M8 x 8mm															•	•	•						
M8 x 10mm					•	•				•	•				•	•				•		•	
M8 x 12mm	•	•			•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•



	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	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•
M8 x 20mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•
M8 x 25mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•			•	•	•	•
M8 x 30mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 35mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 40mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 45mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 50mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 55mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 60mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 65mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 70mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 75mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 80mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 90mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 100mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 120mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 130mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 140mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M8 x 150mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 10mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 12mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 16mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 20mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 25mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 30mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 35mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 40mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 45mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 50mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 55mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 60mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 70mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 80mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•
M10 x 90mm	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•



	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
M10 x 80mm	•	•	•	•					•	•	•	•					•	•	•				
M10 x 90mm	•								•	•	•	•					•	•	•				
M10 x 100mm	•	•	•							•	•	•					•	•	•				
M10 x 120mm										•	•	•					•	•	•				
M10 x 130mm																	•	•	•				
M10 x 140mm																	•	•	•				
M10 x 150mm																	•	•	•				
M10 x 160mm																	•	•	•				
M10 x 180mm																	•	•	•				
M10 x 200mm																	•	•	•				
M12 x 16mm																				•			
M12 x 20mm			•		•					•		•								•		•	
M12 x 25mm	•	•	•		•					•	•	•								•		•	
M12 x 30mm	•	•	•		•					•	•	•	•							•		•	•
M12 x 35mm	•	•	•		•					•	•	•								•		•	
M12 x 40mm	•	•	•	•	•					•	•	•	•				•	•	•		•	•	•
M12 x 45mm	•	•			•					•	•	•					•	•	•		•	•	
M12 x 50mm	•	•	•	•	•					•	•	•	•				•	•	•		•	•	•
M12 x 55mm		•								•	•	•					•	•	•		•	•	
M12 x 60mm	•	•	•		•					•	•	•	•				•	•	•		•	•	•
M12 x 65mm	•				•					•	•	•					•	•	•		•	•	
M12 x 70mm	•	•			•					•	•	•					•	•	•		•	•	•
M12 x 75mm	•				•					•	•	•					•	•	•		•	•	
M12 x 80mm	•	•	•		•					•	•	•	•				•	•	•		•	•	•
M12 x 90mm	•				•					•	•	•	•				•	•	•		•	•	
M12 x 100mm	•		•		•					•	•	•	•				•	•	•		•	•	
M12 x 110mm																	•	•	•				
M12 x 120mm									•	•							•	•	•		•	•	
M12 x 130mm																	•	•	•				
M12 x 140mm																	•	•	•				
M12 x 150mm																	•	•	•				
M12 x 160mm																	•	•	•				
M12 x 170mm																	•	•	•				
M12 x 180mm																	•	•	•				
M12 x 190mm																	•	•	•		•		



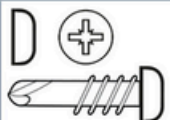


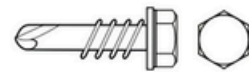
	Hex Socket Csk Screw				Hex Socket Button Screw ISO 7380				Hex Socket Shoulder Screw ISO 7379	Hex Socket Cap Screw DIN 912				Grub Screw / Socket Set Screw DIN 916			Hex Head Bolt DIN 931		Hex Head Set Screw DIN 933				
	BZP	Black Self Colour	A2	A4	BZP	Black Self Colour	A2	A4	Black Self Colour	BZP	Black Self Colour	A2	A4	Titanium	Black Self Colour	A2	A4	BZP	A2	BZP	Brass	A2	A4
M12 x 220mm																		•					
M12 x 230mm																		•					
M12 x 240mm																		•					
M12 x 250mm																		•					
M14 x 30mm																				•			
M14 x 35mm																				•			
M14 x 40mm																				•			
M14 x 45mm																				•			
M14 x 50mm																		•		•			
M14 x 55mm																		•					
M14 x 60mm																		•		•			
M14 x 70mm																		•		•			
M14 x 80mm																		•		•			
M14 x 90mm																		•					
M14 x 100mm																		•		•			
M14 x 110mm																		•					
M14 x 120mm																		•		•			
M14 x 130mm																		•					
M16 x 25mm																				•			
M16 x 30mm										•		•											
M16 x 35mm										•		•											
M16 x 40mm										•		•											•
M16 x 45mm										•		•						•				•	
M16 x 50mm										•		•						•		•		•	
M16 x 55mm												•						•					
M16 x 60mm										•		•						•		•		•	
M16 x 65mm										•		•						•		•		•	
M16 x 70mm										•		•						•		•		•	
M16 x 75mm												•						•		•			
M16 x 80mm										•		•						•		•		•	
M16 x 90mm										•		•						•		•		•	
M16 x 100mm										•		•						•		•		•	
M16 x 110mm												•						•					
M16 x 120mm												•						•		•			
M16 x 130mm																		•		•			



	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
M16 x 140mm																		•		•			
M16 x 150mm																		•		•			
M16 x 160mm																		•					
M16 x 170mm																		•					
M16 x 180mm																		•		•			
M16 x 190mm																		•					
M16 x 200mm																				•			
M20 x 30mm																				•			
M20 x 40mm																							•
M20 x 50mm										•													•
M20 x 55mm																		•					
M20 x 60mm										•								•					
M20 x 65mm																		•		•			
M20 x 70mm										•								•					•
M20 x 75mm																		•					
M20 x 80mm										•								•					•
M20 x 90mm										•								•		•			
M20 x 100mm										•								•					•
M20 x 110mm																		•					
M20 x 120mm																		•		•			
M20 x 130mm																		•		•			
M20 x 150mm																		•		•			

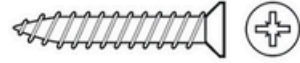


	Cross Recess Pan Self-Tapper DIN 7981C			Cross Recess CSK Self-Tapper DIN 7982C			Cross Recess Pan Self-Driller DIN 7504-N
							
			A4	BZP	A2	A4	BZP
No. 4 x 1/4in	•	•					
No. 4 x 3/8in	•	•	•				
No. 4 x 1/2in	•	•	•				
No. 6 x 1/4in	•	•					
No. 6 x 3/8in	•	•	•				•
No. 6 x 1/2in	•	•	•	•	•	•	•
No. 6 x 5/8in		•			•		•
No. 6 x 3/4in	•	•	•	•	•	•	•
No. 6 x 1in	•	•			•		
No. 6 x 1.1/4in		•			•		
No. 6 x 1.1/2in		•					
No. 8 x 3/8in	•	•	•				
No. 8 x 1/2in	•	•	•	•	•	•	•
No. 8 x 5/8in		•					•
No. 8 x 3/4in	•	•	•	•	•	•	•
No. 8 x 1in	•	•	•	•	•	•	•
No. 8 x 1.1/4in		•		•	•		
No. 8 x 1.1/2in					•		
No. 8 x 1.3/4in					•		
No. 8 x 2in		•			•		
No. 10 x 3/8in		•					
No. 10 x 1/2in	•	•	•	•	•		•
No. 10 x 5/8in		•					
No. 10 x 3/4in	•	•	•	•	•	•	•
No. 10 x 1in	•	•	•	•	•	•	•
No. 10 x 1.1/4in	•	•		•	•		
No. 10 x 1.1/2in		•			•		
No. 10 x 2in		•			•		
No. 10 x 2.1/2in					•		
No. 12 x 100in					•		
No. 12 x 1.1/4in					•		
No. 12 x 1.1/2in					•		

	Hex Self Driller with washer DIN 7504K
	
4.2 x 13mm	•
4.2 x 19mm	•
4.2 x 25mm	•
4.8 x 16mm	•
4.8 x 19mm	•
4.8 x 25mm	•
5.5 x 19mm	•
5.5 x 25mm	•
5.5 x 32mm	•
5.5 x 38mm	•



Cross Recess Countersunk Twin Thread



No. 4 x 1/2in	•
No. 4 x 5/8in	•
No. 4 x 3/4in	•
No. 4 x 1in	•
No. 6 x 1/2in	•
No. 6 x 5/8in	•
No. 6 x 3/4in	•
No. 6 x 1	•
No. 6 x 1.1/4	•
No. 6 x 1.1/2	•
No. 8 x 1/2	•
No. 8 x 5/8	•
No. 8 x 3/4	•
No. 8 x 1	•
No. 8 x 1.1/4	•
No. 8 x 1.1/2	•
No. 8 x 1.3/4	•
No. 8 x 2	•
No. 8 x 2.1/2	•
No. 8 x 3	•
No. 10 x 1	•
No. 10 x 1.1/4	•
No. 10 x 1.1/2	•
No. 10 x 1.3/4	•
No. 10 x 2	•
No. 10 x 2.1/2	•
No. 10 x 3	•
No. 10 x 3.1/2	•
No. 10 x 4	•
No. 12 x 1.1/2	•
No. 12 x 2	•
No. 12 x 2.1/2	•
No. 12 x 3	•
No. 12 x 4	•



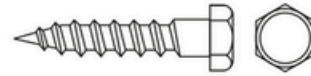
	Cross Recess Countersunk General Purpose		Cross Recess Round Single Thread DIN 7996	Cross Recess Countersunk Single Thread DIN 7997	Slot Round Single Thread DIN 96	Slot Countersunk Single Thread DIN 97	Pozi Countersunk High Performance	Recessed Countersunk High Performance
	Zinc Plated, Yellow Passivated	A2	A2	A2	A2	A2	Zinc Plated, Yellow Passivated	Zinc Plated, Yellow Passivated
3 x 12mm	•							
3 x 16mm	•			•				
3 x 20mm	•			•				
3 x 25mm	•			•				
3.5 12mm	•							
3.5 x 16mm	•			•				•
3.5 x 20mm	•	•	•	•		•		•
3.5 x 25mm	•	•		•				•
3.5 x 30mm		•		•				•
3.5 x 40mm	•							•
3.5 x 45mm	•							
3.5 x 50mm	•							
4 x 20mm				•	•	•		•
4 x 25mm	•	•	•	•	•	•	•	•
4 x 30mm	•	•	•	•	•	•	•	•
4 x 35mm	•							
4 x 40mm	•	•	•	•	•	•	•	•
4 x 45mm	•							
4 x 50mm	•	•	•	•	•		•	•
4 x 60mm	•	•						•
4 x 70mm						•		•
4.5 x 25mm	•							
4.5 x 30mm	•							
4.5 x 35mm	•							



	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	Pozi Countersunk High Performance	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	•							
4.5 x 50mm	•							•
4.5 x 60mm	•							•
4.5 x 70mm	•							•
5 x 25mm			•	•		•		
5 x 30mm	•	•	•	•		•		
5 x 40mm	•	•	•	•	•	•		•
5 x 50mm	•	•	•	•		•	•	•
5 x 60mm	•	•						•
5 x 65mm			•	•		•		
5 x 70mm	•	•					•	•
5 x 75mm	•		•	•				
5 x 80mm	•	•					•	•
5 x 90mm	•							•
5 x 100mm	•	•		•				•
6 x 40mm	•							
6 x 50mm	•						•	•
6 x 60mm	•	•						•
6 x 70mm	•	•					•	
6 x 80mm	•	•						•
6 x 90mm								
6 x 100mm		•					•	•
6 x 120mm								•



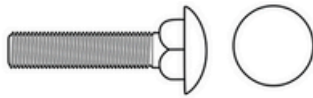
Hex Coach Screw
DIN 571



	BZP	A2		BZP	A2
M6 x 25mm	•		M10 x 50mm	•	•
M6 x 30mm	•		M10 x 60mm	•	•
M6 x 40mm	•	•	M10 x 70mm	•	•
M6 x 50mm	•	•	M10 x 75mm	•	
M6 x 60mm	•	•	M10 x 80mm	•	•
M6 x 70mm	•	•	M10 x 100mm	•	•
M6 x 80mm	•		M10 x 120mm	•	•
M6 x 90mm	•		M10 x 130mm	•	
M6 x 100mm	•		M10 x 140mm	•	
M8 x 25mm	•		M10 x 150mm	•	
M8 x 30mm	•		M12 x 40mm	•	
M8 x 40mm	•		M12 x 50mm	•	
M8 x 45mm	•		M12 x 60mm	•	
M8 x 50mm	•	•	M12 x 70mm	•	
M8 x 60mm	•	•	M12 x 75mm	•	
M8 x 65mm	•		M12 x 80mm	•	
M8 x 70mm	•	•	M12 x 100mm	•	
M8 x 75mm	•		M12 x 120mm	•	
M8 x 80mm	•	•	M12 x 130mm	•	
M8 x 100mm		•	M12 x 150mm		

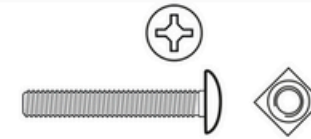


Coach/Carriage Bolt
DIN 603-555



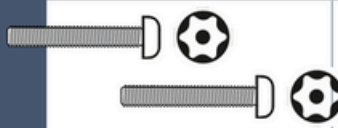
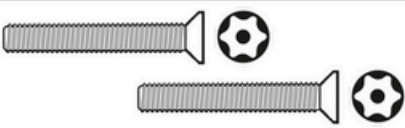
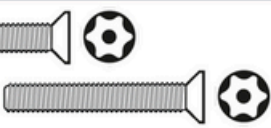
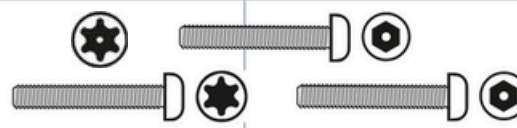
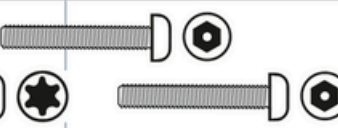

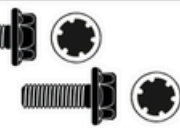
	BZP	A2
M6 x 20mm		•
M6 x 25mm	•	•
M6 x 30mm	•	•
M6 x 35mm		•
M6 x 40mm	•	•
M6 x 50mm	•	•
M6 x 60mm		
M6 x 65mm	•	
M6 x 70mm		
M6 x 75mm	•	
M6 x 100mm	•	
M8 x 20mm		•
M8 x 25mm		•
M8 x 30mm		•
M8 x 35mm		•
M8 x 40mm	•	•
M8 x 50mm	•	•
M8 x 60mm		•
M8 x 65mm	•	
M8 x 70mm		•
M8 x 75mm	•	
M8 x 80mm		•
M8 x 90mm		•
M8 x 100mm	•	•
M10 x 30mm		•
M10 x 40mm		•
M10 x 50mm		•
M10 x 60mm		•
M10 x 65mm	•	
M10 x 70mm		•
M10 x 75mm	•	
M10 x 80mm		•
M10 x 90mm		•
M10 x 100mm	•	•
M10 x 110mm		•

Mushroom Head Roofing Bolt with Square Nut




	BZP
M6 x 12mm	•
M6 x 16mm	•
M6 x 20mm	•
M6 x 25mm	•
M6 x 40mm	•
M6 x 50mm	•
M6 x 60mm	•
M6 x 70mm	•
M8 x 12mm	•
M8 x 20mm	•
M8 x 30mm	•
M8 x 40mm	•
M8 x 60mm	•
M8 x 70mm	•
M8 x 80mm	•



	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	•	•	•	•	•	•	•
M3x12mm	•	•	•	•	•	•	
M3x20mm		•	•	•	•		
M3.5x12mm		•				•	
M4x6mm	•	•	•	•	•	•	•
M4x12mm	•	•	•	•	•	•	•
M4x19mm						•	•
M4x20mm	•	•	•	•	•		
M5x6mm						•	
M5x12mm	•	•	•	•	•	•	
M5x19mm						•	
M5x20mm	•	•	•	•	•		
M5x25mm	•	•	•	•	•	•	•
M5x30mm						•	
M6x10mm						•	•
M6x12mm	•		•	•	•		
M6x16mm						•	•
M6x19mm						•	
M6x20mm	•		•	•	•		
M6x25mm	•	•	•	•	•	•	•
M6x30mm						•	
M6x40mm						•	•



Threaded Rods DIN 976					
					
	Nylon	Brass Self Colour	A2	A4	BZP
M3x1m		●	●	●	●
M4x1m	●	●	●	●	●
M5x1m	●	●	●	●	●
M6x1m	●	●	●	●	●
M8x1m	●	●	●	●	●
M10x1m	●	●	●	●	●
M12x1m	●		●	●	●
M16x1m		●	●	●	●
M20x1m			●	●	●



	Unserrated Flange Nut DIN 6923		Serrated Flange Nut DIN 6923		Nylon Insert Flange 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		
M2							•			•		•		•
M2.5							•	•		•			•	•
M3						•	•	•		•	•	•	•	•
M3.5										•	•		•	•
M4						•	•	•	•	•	•	•	•	•
M5	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M6	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M8	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M10	•	•	•	•	•			•	•	•	•	•	•	•
M12	•	•	•	•	•			•	•	•	•	•	•	•
M16								•	•	•			•	•
M20								•	•	•			•	•

	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	A 1	A4	BZP	A2	A4	BZP	A2	A4	Steel
M2														
M2.5														
M3	•		•	•	•	•	•	•	•	•	•	•	•	
M3.5														
M4	•		•	•	•	•	•	•	•	•	•	•	•	
M5	•	•	•	•	•	•	•	•	•	•	•	•	•	
M6	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M8	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M10	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M12	•	•	•	•	•	•	•	•	•	•	•	•	•	•
M16	•	•	•	•					•					•
M20	•	•	•	•					•					



Connecting/Coupling Nuts
DIN 6334



	BZP	A2	A4
M6x18mm	•	•	•
M8x24mm	•	•	•
M10x30mm	•	•	•
M12x36mm	•	•	
M16x48mm	•	•	
M20x60mm	•	•	



	Plain Washer DIN 125A								External Shakeproof Washer DIN 6797A	Internal Toothed Shakeproof Washer DIN 6797J	Internal Serrated Shakeproof Washer DIN 6798J
	BZP (Form B)	BZP (Form C)	BZP (Form G)	Nickel Plated Brass	Brass	A2 (Form B)	A4 (Form B)	BZP	BZP	A4	
M2	•			•		•	•	•	•	•	
M2.5	•					•	•	•	•	•	
M3	•			•	•	•	•	•	•	•	
M3.5	•			•		•					
M4	•			•	•	•	•	•	•	•	
M5	•	•	•	•	•	•	•	•	•	•	
M6	•	•	•	•	•	•	•	•	•	•	
M8	•	•	•	•	•	•	•	•	•	•	
M10	•	•	•		•	•	•	•	•	•	
M12	•	•	•		•	•	•	•	•	•	
M16	•	•	•		•	•	•	•	•	•	
M20	•	•	•		•	•	•	•	•	•	

	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		A4			Copper	Red Vulcanised Fibre		Steel	A2	Carbon Steel
M2	•	•		•	•			•			
M2.5	•	•		•	•		•	•			
M3	•	•	•	•	•	•	•	•			
M3.5		•									
M4	•	•	•	•	•	•	•	•			•
M5	•	•	•	•	•	•	•	•	•	•	•
M6	•	•	•	•	•	•	•	•	•	•	•
M8	•	•	•	•	•	•	•	•	•	•	•
M10	•	•	•			•	•	•	•	•	•
M12	•	•	•			•	•	•	•	•	•
M16	•	•							•	•	•
M20	•	•							•	•	•



Mudguard Washers (Metric)



		A2	A4
M5 x 20mm	●		●
M5 x 25mm	●	●	●
M6 x 25mm	●	●	●
M6 x 30mm	●	●	●
M6 x 40mm	●		
M8 x 25mm	●	●	●
M8 x 30mm	●	●	●
M8 x 40mm	●		●
M10 x 30mm		●	●
M10 x 35mm		●	●
M10 x 40mm	●		●
M10 x 50mm	●		
M12 x 35mm		●	●

