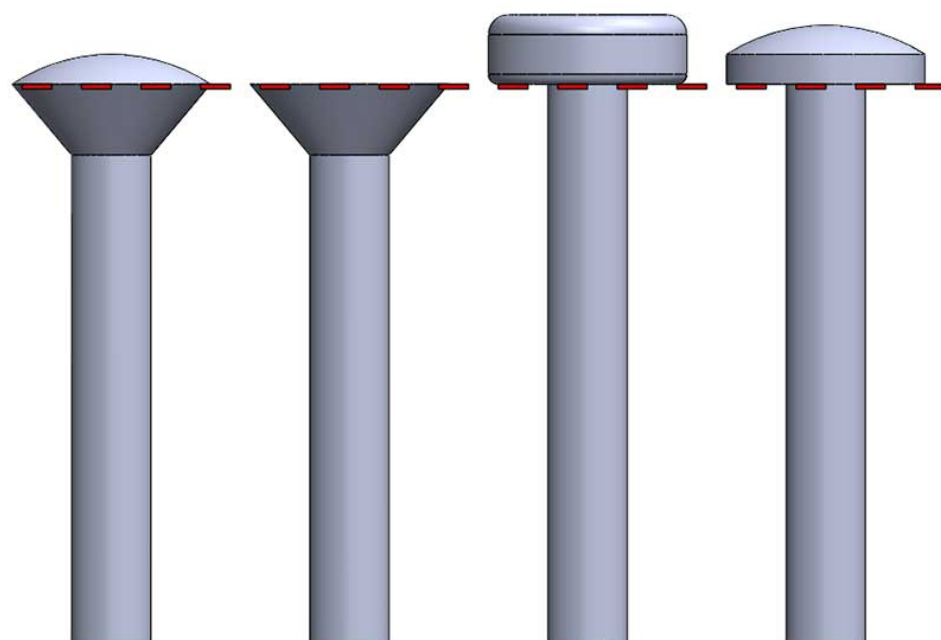


## Screw Length

Although seemingly self-explanatory, the screw length refers to the distance from the bottom of the screw to the area where the screw would rest on a surface. For some screws the length may include all or some of the screw head and for others it may not include the screw head at all. In the image below, four different types of screw are shown with different screw heads but all with the same screw length



## Thread Size

The thread of a screw refers to the helical tooth that runs around the outside of the screw shaft. It is the thread that provides the screw with its fastening capabilities and distinguishes it from other fasteners such as nails.

The ISO metric thread standard is the most commonly used standard for measuring screw thread. Displayed as an M size that represents the screw's nominal size in millimetres, an M3 screw, for instance, will have a 3mm nominal thread diameter

## Material

Fasteners are manufactured using a number of materials such as titanium, plastic and steel and, even beyond the material type, can be categorised further according to different grades. They can also be coated in a range of coatings or platings to increase the component's resistance to corrosion which may be an important consideration depending on the application

Other considerations include the strength, the brittleness and the cost of a material and the environment of the project

Zinc-plated steel fasteners are a popular choice for this type of component. As steel is a strong material it can be used in a number of applications. However, it is susceptible to corrosion (rust) when exposed to moisture and oxygen and so by coating the fastener in Zinc, corrosion protection is offered. Zinc is abundant, workable and inexpensive and provides heat resistance to temperatures below 200°C.



Polyamide/Nylon fasteners offer similar properties to their metal equivalents but at a fraction of the price. Lightweight and with low-wearing properties offering longevity, polyamide fastenings are used extensively in automotive and aerospace industries



Stainless steel fasteners are ideal for long lasting applications due to their durability and corrosion-resistant properties. If stainless steel fasteners are scratched or burred the metal will not create surface rust as the corrosion resistance exists within the metal itself



# Countersunk Torx Screws

## Features

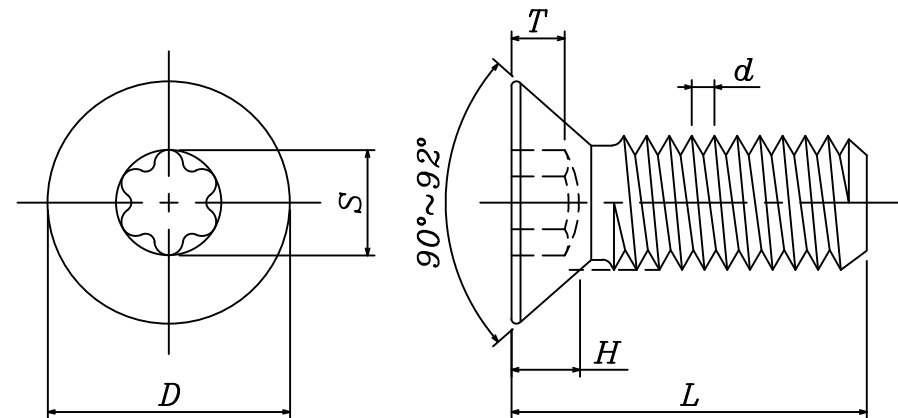
- No burrs and sharp edges
- Screw material: class 8.8 carbon steel
- Trivalent blue zinc 3.8 µm min. finish
- Heat treat:HRC 22-32
- Material and finish comply with 211/65/EU (RoHS)
- Meets ISO 14581 standard



6	5.76~6.24
8	7.71~8.29
10	9.71~10.29
12	11.65~12.35
16	15.65~16.35
20	19.58~20.42
25	24.58~25.42
30	29.58~30.42

Thread (6g)	D Head Diameter	H (Max) Head Height	Six-lobe Recess	S (Ref)	T Drive Depth
M2x0.4	3.50~3.80	1.20	T6	1.75	0.51~0.64
M2.5x0.45	4.40~4.70	1.50	T8	2.40	0.66~0.79
M3x0.5	5.20~5.50	1.65	T10	2.80	0.70~0.83
M3.5x0.6	6.94~7.30	2.35	T15	3.35	1.16~1.32
M4x0.7	8.04~8.40	2.70	T20	3.95	1.14~1.53
M5x0.8	8.94~9.30	2.70	T25	4.50	1.12~1.51
M6x1.0	10.87~11.30	3.30	T30	5.60	1.39~1.78
M8x1.25	15.37~15.80	4.65	T45	7.95	2.15~2.54
M10x1.5	17.78~18.30	5.00	T50	8.95	2.41~2.80

Thread (6g)	L	PART NO.
M3x0.5	6	RND 610-00398
	8	RND 610-00399
	10	RND 610-00395
	12	RND 610-00396
	16	RND 610-00397
M4x0.7	10	RND 610-00400
	12	RND 610-00401
	16	RND 610-00402
	20	RND 610-00403
M5x0.8	10	RND 610-00404
	12	RND 610-00405
	16	RND 610-00406
	20	RND 610-00407
	25	RND 610-00408
M6x1.0	10	RND 610-00409
	12	RND 610-00410
	16	RND 610-00411
	30	RND 610-00412



# Cross-Head Phillips Galvanized Screws

## Features

- No burrs and sharp edges
- Screw material:1018 ~ 1022 carbon steel
- Trivalent blue zinc 3.8 µm min. finish
- Heat treat:Case harden surface HV 450 min., core HV 270 ~ 370
- Material and finish comply with 211/65/EU (RoHS)
- MeetsDIN 7981standard



Length	L
6.5	6.5+/-0.8
9.5	9.5+/-0.8
16.0	16.0+/-0.8

Thread	D Head Diameter	H Head Height	Type H Drive Size	M (Ref) Drive Width	p	d
ST2.2	3.90~4.20	1.55~1.80	1	2.60	0.8	2.10~2.24
ST2.9	5.30~5.60	1.95~2.20		3.00	1.1	2.76~2.90
ST3.5	6.54~6.90	2.35~2.60	2	4.20	1.3	3.35~3.53
ST3.9	7.14~7.50	2.55~2.80		4.40	1.3	3.73~3.91
ST4.2	7.84~8.20	2.75~3.05		4.60	1.4	4.04~4.22
ST4.8	9.14~9.50	3.25~3.55	3	5.00	1.6	4.62~4.80
ST5.5	10.37~10.80	3.65~3.95		6.50	1.8	5.28~5.46
ST6.3	12.07~12.50	4.25~4.55		7.10	1.8	6.03~6.25

Thread	L	PART NO.
M2.2-0.8	6.5	RND 610-00413
	9.5	RND 610-00414
M2.9-1.1	16.0	RND 610-00621

