

Stainless Steel Flat Head Self Drilling Screw

Standard: DIN7504 (Any kind of screw Driver, you can choose it from our following picture), ISO 15482-1999, GB /T 15856.2-1995

Material: SUS301,304,18/8,0Cr18Ni9,X5CrNi1810,X10Cr13,410S21, if you need to use other stainless steel, please let us know.

Heat Treatment: None for normal, If you have special hardness requirement, please let us know.

Surface Hardness: 220HV is Normal, 750HV max after Quench with SUS410

Finish: None.

Head: Flat,

Thread Direction: Normal is right hand/dextrorotation, if you want left hand, please let us know.

Tensile strength: 700N/mm²

Stainless Steel Flat Head Self Drilling Screws belong to **Self-Drilling Screws**, also known as Tek screws, eradicate the need for a pre-drilled hole and allow drilling and tie to be done in the same motion. Self-drilling screws are used to create a hole and form their own mating thread in the process..

"Stainless Steel" - With the addition of 12% chromium to iron, stainless steel is formed. The chromium protects the iron against most corrosion or red colored rust; thus the term "stainless steel". The ability of stainless to form a thin layer of protection on its outside surface, called a "passive film", is its most important characteristic in preventing corrosion.

"18-8" - 300 series stainless steel having approximately (not exactly) 18% chromium and 8% nickel. The term "18-8" is used interchangeably to characterize fasteners made of 302,302HQ,303,304,384, XM7, and other variables of these grades with close chemical compositions. There is little overall difference in corrosion resistance among the 18-8 types, but slight differences in chemical composition do make certain grades more resistant than others against particular chemicals or atmospheres.

Austenitic - Refers to 300 series stainless, the most popular of the stainless alloys accounting for 85%-90% of stainless fasteners sold Named for sir Robert Williams Austen, an English metallurgist, austenitic stainless is a crystal structure formed by heating steel, chromium, and nickel to a high temperature where it forms the characteristics of 300 series stainless steel.

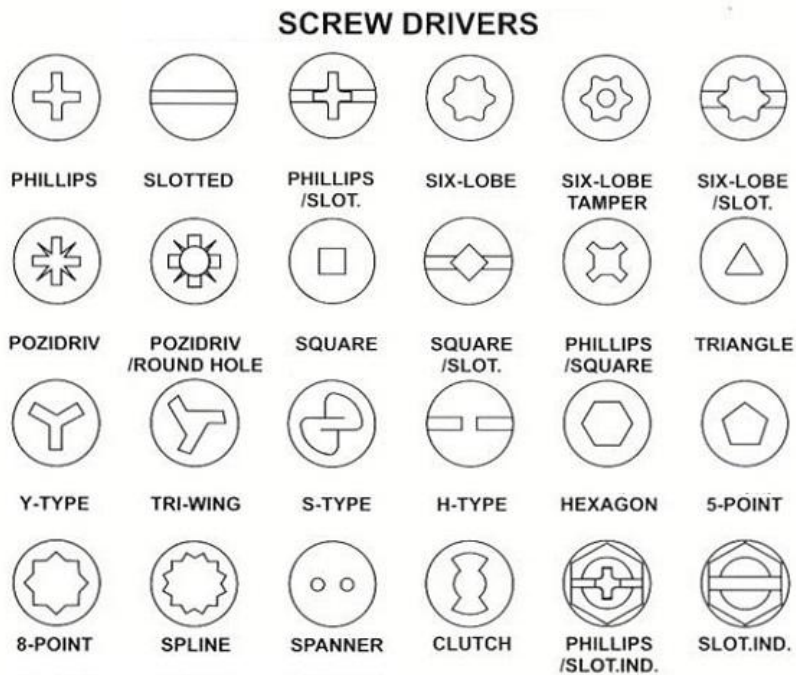
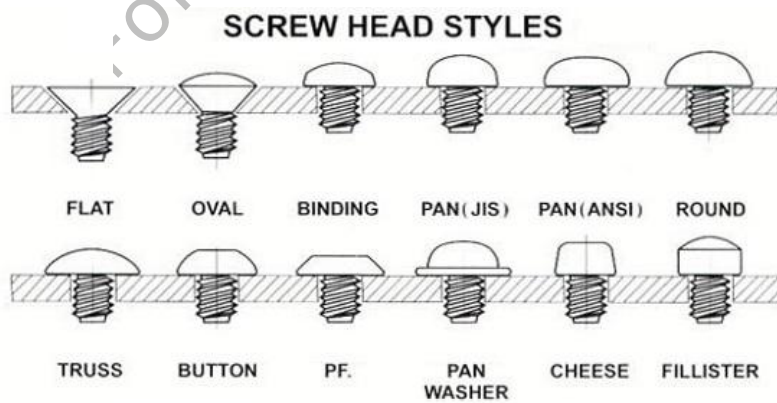
Flat head fasteners are designed to fit flush to the surface when used with countersunk holes. Length is measured from the top of the head. The Phillips drive style was originally designed so that the driver would slip out under extreme torque, preventing over-tightening and damage to the fastener or the material. Self-Drilling Points are excellent for use with sheet metal.

The typical **Stainless Steel Flat Head Self Drilling Screw** pictures as below

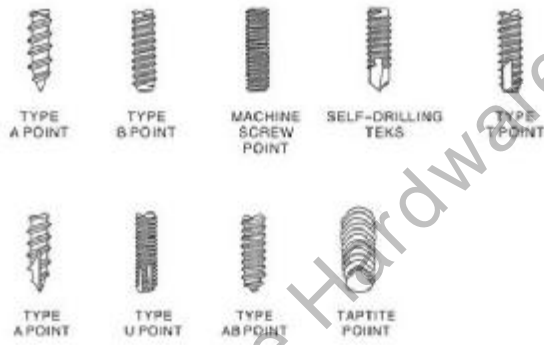




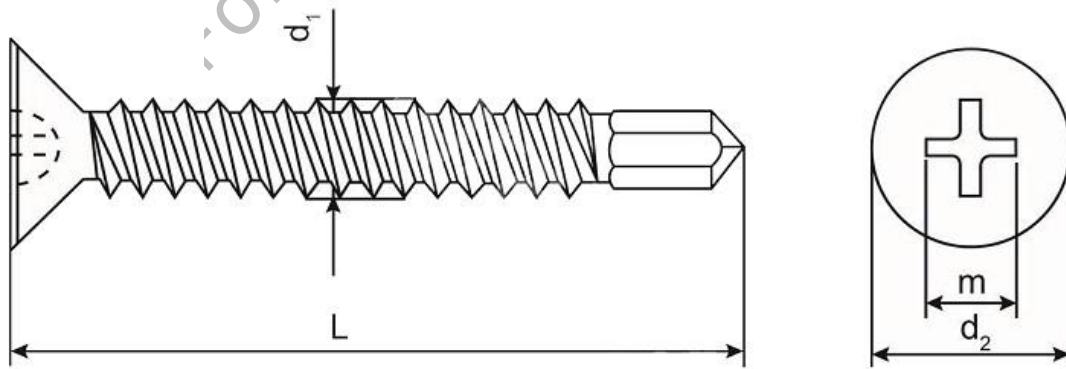
You can refer to below chart/list of Screw head/Thread ending



Thread Ending



And below is the common drawing for this kind:



Below chart show some typical dimensions of them, you can refer it, or you can change it for your own design, if you want know more standard dimensions of screw , you can contact us.

Item	Standard	d1(mm)	L(mm)	d2 max.(mm)	k~(mm)	m~(mm)
3.5X13	DIN7504/ISO 15482/GB /T 15856.2	ST3.5	13	6.8	2.1	4.2
3.5X16	DIN7504/ISO 15482/GB /T 15856.2	ST3.5	16	6.8	2.1	4.2
3.5X19	DIN7504/ISO 15482/GB /T 15856.2	ST3.5	19	6.8	2.1	4.2
3.5X22	DIN7504/ISO 15482/GB /T 15856.2	ST3.5	22	6.8	2.1	4.2
3.5X25	DIN7504/ISO 15482/GB /T 15856.2	ST3.5	25	6.8	2.1	4.2
3.9X13	DIN7504/ISO 15482/GB /T 15856.2	ST3.9	13	7.5	2.3	4.6
3.9X16	DIN7504/ISO 15482/GB /T 15856.2	ST3.9	16	7.5	2.3	4.6
3.9X19	DIN7504/ISO 15482/GB /T 15856.2	ST3.9	19	7.5	2.3	4.6
3.9X22	DIN7504/ISO 15482/GB /T 15856.2	ST3.9	22	7.5	2.3	4.6
3.9X25	DIN7504/ISO 15482/GB /T 15856.2	ST3.9	25	7.5	2.3	4.6
3.9X32	DIN7504/ISO 15482/GB /T 15856.2	ST3.9	32	7.5	2.3	4.6
4.2X13	DIN7504/ISO 15482/GB /T 15856.2	ST4.2	13	8.1	2.5	4.7
4.2X16	DIN7504/ISO 15482/GB /T 15856.2	ST4.2	16	8.1	2.5	4.7
4.2X19	DIN7504/ISO 15482/GB /T 15856.2	ST4.2	19	8.1	2.5	4.7
4.2X22	DIN7504/ISO 15482/GB /T 15856.2	ST4.2	22	8.1	2.5	4.7
4.2X25	DIN7504/ISO 15482/GB /T 15856.2	ST4.2	25	8.1	2.5	4.7
4.2X32	DIN7504/ISO 15482/GB /T 15856.2	ST4.2	32	8.1	2.5	4.7
4.2X38	DIN7504/ISO 15482/GB /T 15856.2	ST4.2	38	8.1	2.5	4.7

4.2X45	DIN7504/ISO 15482/GB /T 15856.2	ST4.2	45	8.1	2.5	4.7
4.8X16	DIN7504/ISO 15482/GB /T 15856.2	ST4.8	16	9.5	3	5.1
4.8X19	DIN7504/ISO 15482/GB /T 15856.2	ST4.8	19	9.5	3	5.1
4.8X22	DIN7504/ISO 15482/GB /T 15856.2	ST4.8	22	9.5	3	5.1
4.8X25	DIN7504/ISO 15482/GB /T 15856.2	ST4.8	25	9.5	3	5.1
4.8X32	DIN7504/ISO 15482/GB /T 15856.2	ST4.8	32	9.5	3	5.1
4.8X38	DIN7504/ISO 15482/GB /T 15856.2	ST4.8	38	9.5	3	5.1
4.8X45	DIN7504/ISO 15482/GB /T 15856.2	ST4.8	45	9.5	3	5.1
4.8X50	DIN7504/ISO 15482/GB /T 15856.2	ST4.8	50	9.5	3	5.1