Stainless Steel Hex Flange Self Drilling Screw

Standard： DIN7504 (Any kind of screw Driver, you can choose it from our following picture), ISO 15480, GB/T 15856.4-2002

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：Hex Flange,

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

Tensile strength：700N/mm2

Stainless Steel Hex Flange 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.

Austentic - 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, austentic 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.

One advantage the flange hex bolt has over a comparably-sized non-flanged bolt is its ability to displace the clamping force of the fastener over a greater range. On soft, aluminum automobile engine components, the use of a standard hex head bolt could potentially crack and damage the area surrounding the bolt head. With a flange hex bolt, the clamping force is displaced onto a greater area underneath the bolt head, thus saving the aluminum components. Valve covers, intake manifolds and water pumps are some of the aluminum components that often employ a flanged bolt head as a fastener. Other components of the automobile that benefit from the use of the flange hex bolt are the steering box, steering column and transmission.

The typical **Stainless Steel Hex Flange Self Drilling Screw pictures** as below

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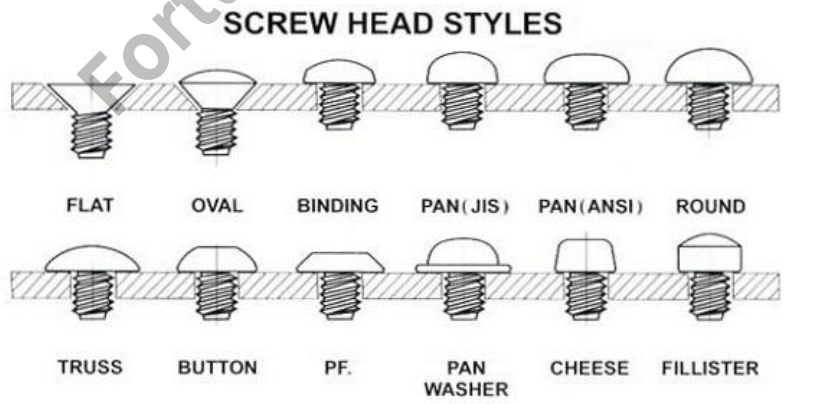
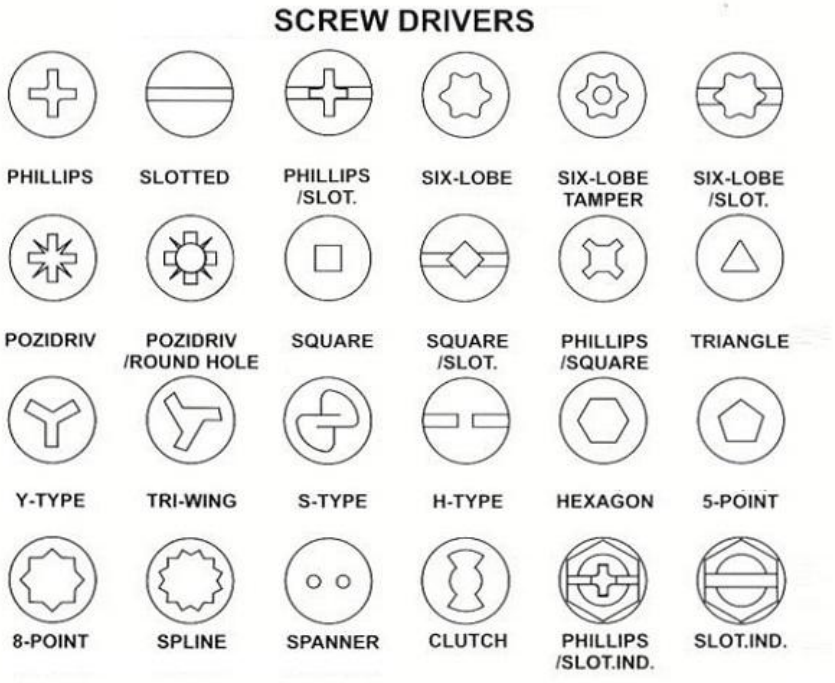
You can refer to below chart/list of Screw head/Thread ending





Thread Ending

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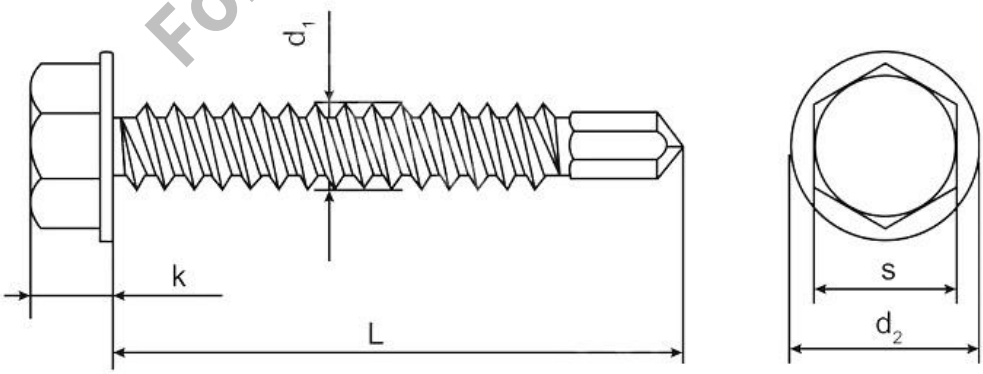

Below chart show some typical dimensions of them, you can refer it, or you can change it for your own design, if you want know more standard dimensions of screw , you can contact us.

Item	Standard	d1(mm)	L(mm)	d2 max.(mm)	k max.(mm)	S(mm)
4.2X13	DIN7504/ISO 15480/GB/T 15856.4	ST4.2	13	8.8	4.1	7
4.2X16	DIN7504/ISO 15480/GB/T 15856.4	ST4.2	16	8.8	4.1	7
4.2X19	DIN7504/ISO 15480/GB/T 15856.4	ST4.2	19	8.8	4.1	7
4.2X22	DIN7504/ISO 15480/GB/T 15856.4	ST4.2	22	8.8	4.1	7
4.2X25	DIN7504/ISO 15480/GB/T 15856.4	ST4.2	25	8.8	4.1	7
4.2X32	DIN7504/ISO 15480/GB/T 15856.4	ST4.2	32	8.8	4.1	7
4.2X35	DIN7504/ISO 15480/GB/T 15856.4	ST4.2	35	8.8	4.1	7
4.2X38	DIN7504/ISO 15480/GB/T 15856.4	ST4.2	38	8.8	4.1	7
4.2X45	DIN7504/ISO 15480/GB/T 15856.4	ST4.2	45	8.8	4.1	7
4.2X50	DIN7504/ISO 15480/GB/T 15856.4	ST4.2	50	8.8	4.1	7
4.8X13	DIN7504/ISO 15480/GB/T 15856.4	ST4.8	13	10.5	4.3	8
4.8X16	DIN7504/ISO 15480/GB/T 15856.4	ST4.8	16	10.5	4.3	8
4.8X19	DIN7504/ISO 15480/GB/T 15856.4	ST4.8	19	10.5	4.3	8
4.8X22	DIN7504/ISO 15480/GB/T 15856.4	ST4.8	22	10.5	4.3	8
4.8X25	DIN7504/ISO 15480/GB/T 15856.4	ST4.8	25	10.5	4.3	8
4.8X32	DIN7504/ISO 15480/GB/T 15856.4	ST4.8	32	10.5	4.3	8
4.8X35	DIN7504/ISO 15480/GB/T 15856.4	ST4.8	35	10.5	4.3	8
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4.8X55	DIN7504/ISO 15480/GB/T 15856.4	ST4.8	55	10.5	4.3	8
4.8X60	DIN7504/ISO 15480/GB/T 15856.4	ST4.8	60	10.5	4.3	8
4.8X65	DIN7504/ISO 15480/GB/T 15856.4	ST4.8	65	10.5	4.3	8
4.8X70	DIN7504/ISO 15480/GB/T 15856.4	ST4.8	70	10.5	4.3	8
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5.5X60	DIN7504/ISO 15480/GB/T 15856.4	ST5.5	60	11	5.4	8
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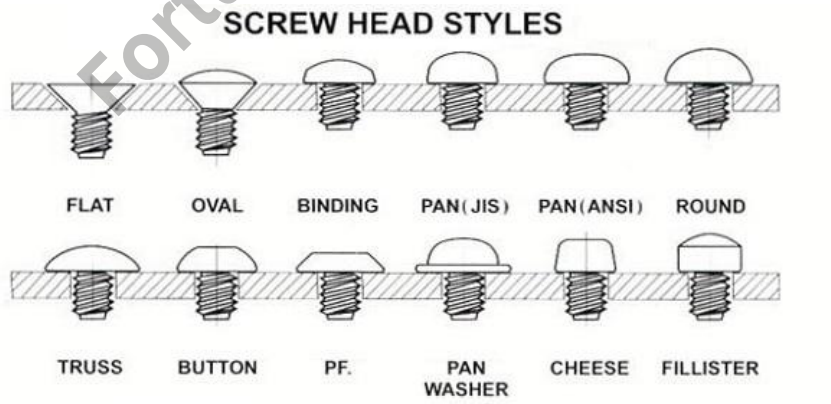

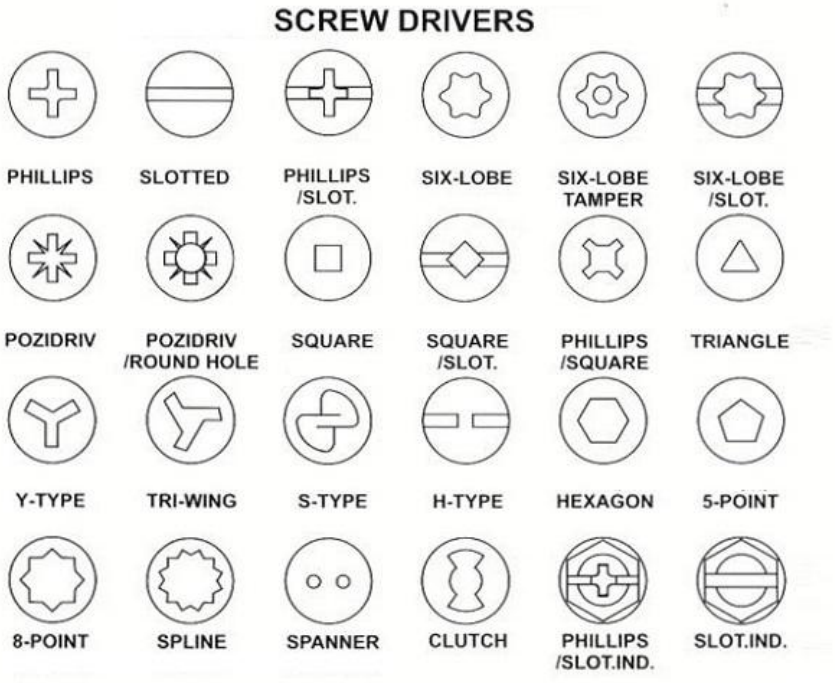

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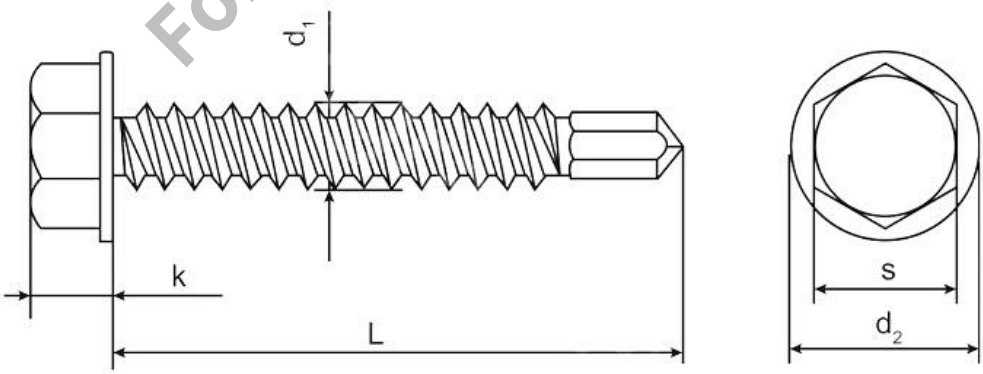

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