What is Stainless Steel and Stainless Steel Reinforcement Bars and Why?

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Starting from automobiles to construction, manufacturing to retails, insurance to banking, home appliances to industrial purposes, computer peripherals to electrical and many more, stainless steel is considered as the base of almost every industry. As a matter of fact, steel and stainless steel products are a must requirement of todayâ€™s life. We all use steel in our day-to-day life in one or another way. The requirement could be as simple as a dining table fork or as large as big construction design, steel is used everywhere. Inevitable to say that steel has become a core part of almost every industry.

Most of the people are not aware that steel is available in various variants related to sizes, shapes and compositions, meeting the requirements of different industrial applications. These variants includes stainless steel profile wires, stainless steel shape wires, bright bars, TIG, MIG, SAW, stainless steel reinforcement bars and much more; all designed to meet the complex industrial applications requirements.

Stainless Steel Reinforcement Bars

Out of all these stainless steel niches stainless steel reinforcement bars or more commonly known as stainless steel rebar is one of the most important product. It is used to meet the most complex construction process including bridges, highways, roadways, multi-storied building and more. Unlike the other bars which are used during the construction process, reinforcement bars are more durable and can withstand some of the most extreme climatic conditions. Besides, the most important aspect of stainless steel rebar is their corrosion resistance tendency. This is because they contain Molybdenum (Mo) which is highly corrosion resistant and is nonconductive to chloride. This further allows the SS reinforcement bars to be a preferred choice for the construction at the places where the chloride level is higher.

Additionally, as SS rebar are highly durable and allows you to build that lasts long, and includes minimal repairing and maintenance costs. Many high profile authorities in construction business suggest and prefer to use stainless steel reinforcement bars instead of traditional carbon steel rebar. And its corrosion resistance tendency has made the SS rebar the preferred choice in building and construction for industries around the world.

SS Rebar â€“ Grades Availability

Stainless steel rebar is available in various grades, sizes and composition, meeting the requirements of various industry standards. It is available in the grades of 302, 304, 316 and 316Ti with bright and annealed condition, which is best suitable for the manufacturing of tying wire, wall tie, and for rebar for building and construction. Itâ€™s sizes ranges from 0.90 mm to 20.00 mm. A professional manufacturing company implements the leading edge technologies ensuring to provide robust quality solution in stainless steel rebar.

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