Types of Stainless Steel Profiles

by Calvin Smith

Article published on December 23rd 2011 | Business

Ranging from home and kitchen appliances to large scale construction units, computer peripherals to automobiles, manufacturing to even complex welding works and much more; stainless steel has always comprise the requirements of array of industries. For construction industry stainless steel works as a tensioning agent that ties the highly reinforced concrete cement together at one place. Whether there is the requirement of construction of multi-storied building or reinforced bridge, or the requirement of complex welding structures, stainless steel has played a notable role in all of them in the form of stainless steel profiles.

What are stainless steel profiles?

Stainless steel profiles are the different types of stainless steel bars and wires made that are being used for various purposes including engineering, construction, welding, fabrication, etc. They are considered as the core of stainless steel and are available in different shapes, sizes and compositions to meet the varied requirements of construction, fabrications, and various other relevant industries.

Moreover, they are developed on cutting edge technologies and features an array of stainless steel products which includes redrawing wires, spring wires, lashing wires, nail wires stainless steel rebars (or also known as stainless steel reinforcement bars), cold heading wires, SAW (submerged arc welding) wires, TIG (tungsten arc welding) wires, MIG (metal inert arc gas welding) wires, redrawing wires, and much more. All these array of stainless steel profiles are manufactured with different and their own specific composites shapes and sizes. Additionally, these profiles are designed to meet the requirements of different industries.

Some of the major stainless steel profiles are explained as under:-

Spring Wires:

Just as the name indicates, spring wires are designed for the purpose of making springs. As a part of stainless steel profiles it includes extension spring, torsion spring, compression spring, straight pin, wire form and many other products.

Lashing Wires:

Lashing wires are generally used in cable TVâ€™s, as well as for the purpose to hold mechanical and electrical cables together on the overhead telephone lines. These wires are also known as cheese coil and are available in two variants which include coil coated lashing wires and without coil coated lashing wires.

Redrawing Wires:

Redrawing wires are designed for redrawing industry. These wires are also available in various sizes, shapes and grades meeting the requirements of various applications.

Nail Wires:

Nail wires are designed to create nails. These wires are soap coated with matte finish.

Cold Heading Wires:

Cold heading wires are designed for cold heading process in construction. It generally utilizes austenitic steel and available in various sizes which ranges from 1.20mm to 20.00mm with surface finish.

Reinforcement Bars:

Reinforcement bars or stainless steel rebar is one of the important product of stainless steel profiles. Made from highly corrosion resistant material, Molybdenum (Mo), reinforcement bars are perfect for the areas containing road salts and chlorine. These bars are highly used in various complex and mission critical construction process such as multi-storied buildings, airports, highways, subways, etc.

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Calvin Smith - About Author:
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Article Keywords:
Stainless Steel Profiles , Stainless steel reinforcement bars, Stainless steel rebars, Stainless steel profile wire , Stainless Steel shape Wire, Stainless Steel Flat Wire , profile wire , shape wire , Precision copper strips

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