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SEMCO FORGE - the Growing Importance of Forging by Neeraj

Article published on January 4th 2012 | Marketing

Steel plays an important role in this modern world of technology. The influence and utility of steel in human life is intrinsic due to which it can be found in almost every household. In order to make use of steel in our household, it must be heated and treated in such a way that it can be used in our household. There are numerous forms of heat treatments applied on steel to achieve the desired qualities among which some of the popular ones are annealing, quenching, tempering and forging. Forging steel is one of the earliest heat treatment methods discovered by man and is widely used to bring out the desired quality steel in many industries.

Traditionally, a blacksmith would perform forging steel operation with the use of hammer and anvil. Additionally, water was also used to cool the heated work piece. With the advancement in technology, today, blacksmiths are not supposed to manually labor with hammer and anvil because the process of manually doing is replaced by pressers, hydraulic or compressed air hammers. Forging is a common method used in the manufacturing of products. In the past forging was limited to certain types of shapes like swords and blades because it was really difficult to produce complex shapes accurately with less technologies and machines but with the advancement and invention of modern and high class machines, forging steel is no longer limited to simple shapes.

Industries can easily produce numerous types of complex shapes with the help of modern machines. Forging is mainly divided into two categories hot and cold. To bring out the accurate output, either hot or cold forging is done. The temperature at which the forging is done directly affects the grain structure of the forged part which ultimately affects its properties. There are many forging suppliers across the world providing their best and high quality services and products for the industrial use. Apart from steel forging, some of the other well known forging include carbon steel forging and alloy forging.

Alloy forging is mainly carried at high temperature. Although, the process is carried out according to your requirements and needs but the manufacturing companies provide you the expert assistance for customized material sections too for your convenience and ease. There are many manufacturing companies that are dedicated to provide its customers and clients with the most cost effective alloy and carbon steel forging techniques and manufacturing processes available.

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Article Keywords:
forging, forging suppliers, carbon steel forging, alloy forging, steel forging

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