

Inox steel is a type of steel which is resistant to corrosion, because it contains chrome in its composition, the latter has a high affinity with oxygen and reacts with itself making a passive layer, avoiding the iron corrosion. Inox steel for definition contains a minimum of 10% of chrome. Some types of Inox Steel also contain other alloying elements; the main ones are molybdenum and nickel.

However, the passive layer can be affected by some acids, giving way to iron to be attacked and rusty for inter-granular mechanism or generalized pitting.

The same as the majority of steel, they are regulated in Spain by the rule UNE 36001 which are classified in series F310.