

Introduction

Invar36 is a special low-expansion iron-nickel alloy that has an ultra-low expansion coefficient, where the control of carbon and manganese content is very important. Cold deformation can reduce the thermal expansion coefficient and heat-treated at a specific temperature range enables stable coefficient of thermal expansion. Air dried at room temperature lets Invar 36 have corrosion resistance. In other harsh environments, such as humid air, there may occur corrosion (rust).

Chemical & Physical Properties

Ni	Fe
Bal.	36

Applications

Commonly used in aerospace, electric power, petrochemical, shipbuilding, machinery, electronics, environmental protection and other industries.

Standard Dimensions

Wire	Diameter (mm)	Tolerance (mm)
	1.6, 2.0, 3.17	+ 0 / - 0.05

Other sizes (diameter and wire weight) can be manufactured accordingly to the requirements of customers.

Packaging

Spool	15kgs(33 lbs) / spool (D300 spool)
Coil	20 - 400kgs / coil