



What is ENS?

A direct result of Speedflow's constant development policy was the introduction, together with the evolution of other more radical hose end designs, of the ENS process of Electroless Nickel Plating steel hose ends and adaptors.

This is a process for plating nickel onto other metals using only a chemical reaction. Electroless Nickel Plating occurs as a chemical molecular bond using nickel in its ionic state in the plating solution and has been utilized by NASA in its aerospace projects. After considerable research and testing Speedflow Products have developed a system of plating which makes the Electroless Nickel process more commercially viable. This system is a world wide exclusive of Speedflow Products and is used to plate all steel components. The ENS process gives a uniform coating both internally and externally to the base metal, providing protection against corrosion equal to or better than that afforded by stainless steel, as the resultant coating contains a far greater level of nickel (the basic corrosion resistant constituent of stainless steel), to produce a fitting with greater durability. As ENS bonds to the pore of the base metal it has a nil risk of flaking unlike normal electro plating and also has a degree of lubricity which helps to reduce galling. ENS will always retain its bright finish, unlike electro-plated nickel and zinc which discolour and tarnish.