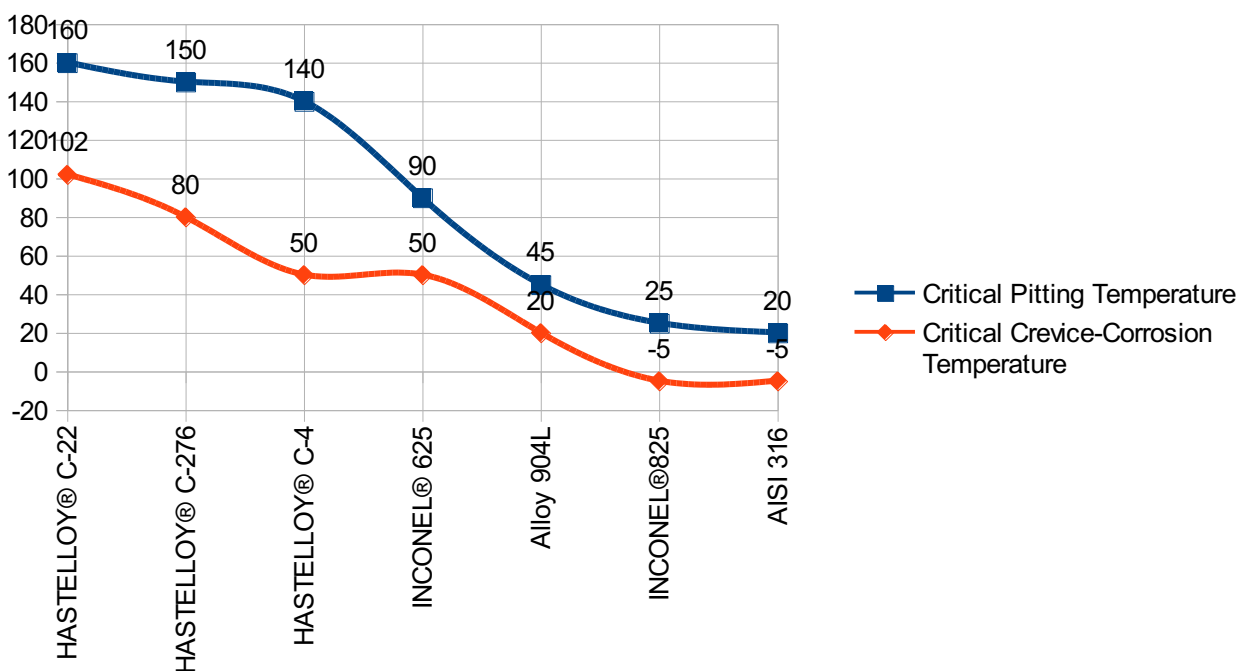
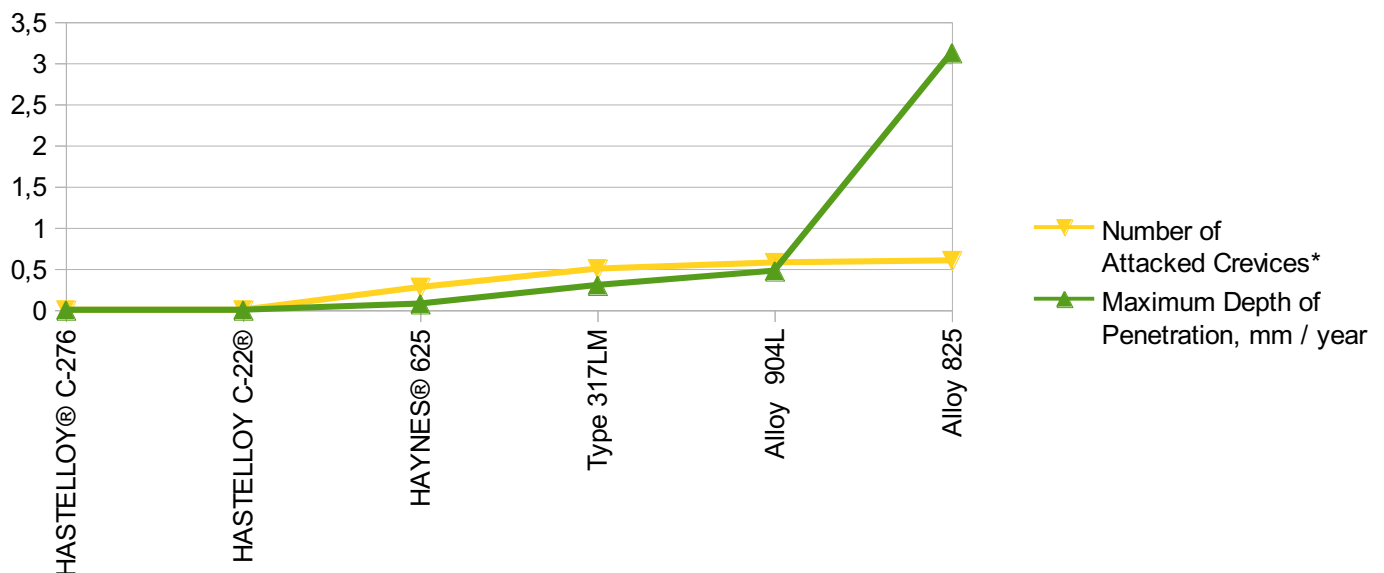


MF Inox srl produces HASTELLOY® C-22 UNS N010286 werkstoff 2.4602 screws, tie rods and nuts, a very versatile nickel-chromium-molybdenum-tungsten alloy, which has a higher corrosion resistance than nickel-chromium-molybdenum alloys (C alloys -4 and C-276); it has excellent behavior in environments that generate pitting and crevice corrosion, guaranteeing excellent resistance to stress corrosion cracking. Thanks to the high presence of chromium compared to other alloys in the C series, Hastelloy® C-22 also has excellent resistance to oxidizing agents in solution such as nitric acid, ferric ions and chlorine ions, while presence of molybdenum guarantees good resistance to reducing agents.

**Corrosion effect with temperature variation:**



**Localized corrosion resistance:**



Our product range includes screws DIN 912, DIN 933 tie rods DIN 976B and ANSI / ASME 16.5, nuts DIN 934 H = D, ISO 4033 and ANSI / ASME 18.2.2 (other types on page <http://www.mfinox.com/prodotti.php?lang=en>) obtained by hot forging machine or machining by round bar, in the diameter range 6 mm to 64 mm, 5/16" to 2"1/2.

Hastelloy® C-22 is used for components of chemical plants, pollution control equipment, pharmaceutical plants and oil & gas plants.

#### **CHEMICAL COMPOSITION:**

	<b>Ni</b>	<b>Cr</b>	<b>Fe</b>	<b>Mo</b>	<b>W</b>	<b>C</b>	<b>Mn</b>	<b>S</b>	<b>Si</b>	<b>P</b>	<b>V</b>
Min	56	20	2		2,5	--	--	--	--	--	
Max		22,5	6		3,5	0,01	0,05	0,02	0,08	0,02	0,35

#### **MECHANICAL PROPERTIES HASTELLOY® C-22 UNS N006022:**

Yield                Rp 0.2 406 MPa

Tensile            Rm     765 MPa

#### **SPECIFICATION AND DISEGNATIONS:**

W. 2.4602

ASTM B575

UNS N006022

ASME SB575