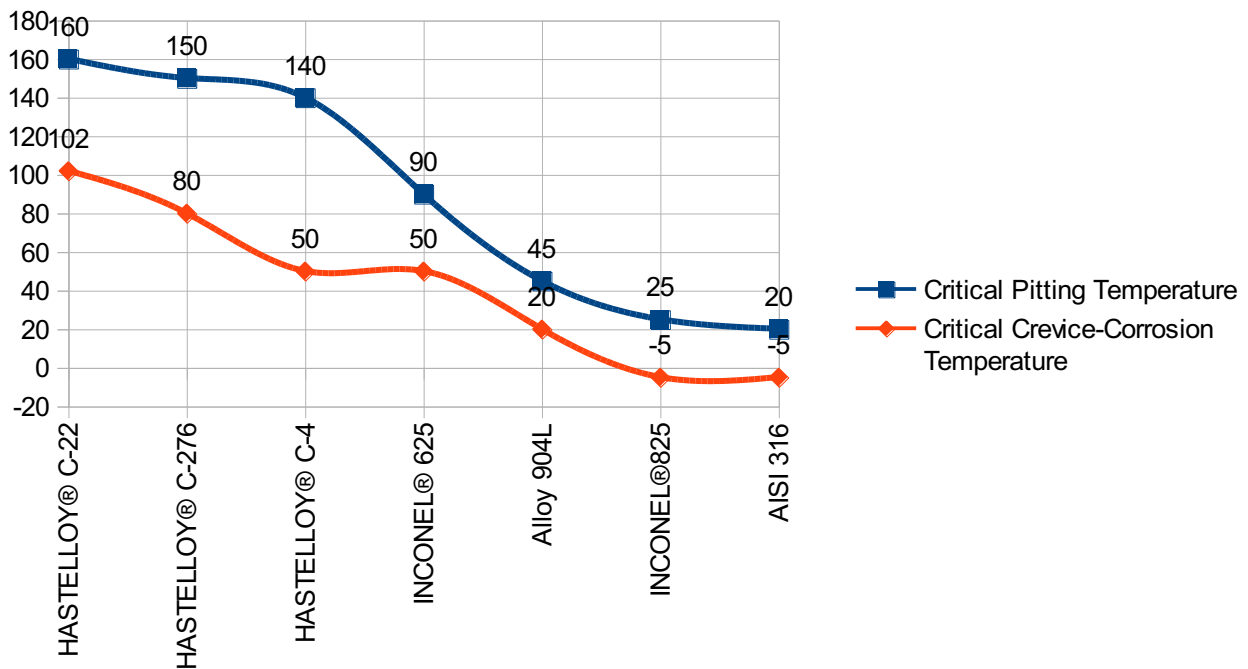


MF Inox srl produces HASTELLOY® screws, tie rods and nuts in C-276 UNS N010286 ALLOY 276 werkstoff 2.4819, an extremely versatile nickel-molybdenum-chromium alloy as it combines excellent corrosion resistance and good thermal stability due to a low propensity to precipitate on the grain boundary.

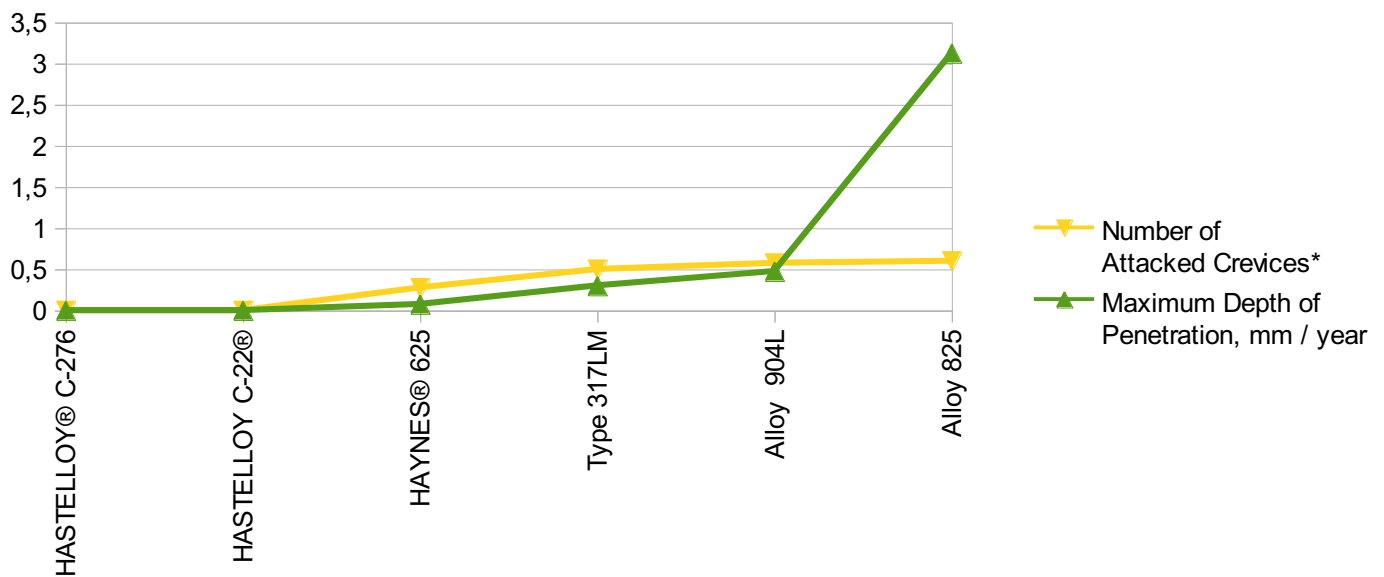
This feature makes it usable for a wide range of applications in the field of chemical plants where there is a need for welded constructions. If the needs are not met, the Hastelloy C-22 (add link to page) explains the ideal solution as it has superior thermal stability.

The presence of a fair amount of chromium and molybdenum gives the Hastelloy® C-276 excellent resistance both to oxidizing agents and to reduced agents, however the molybdenum content makes the appointment flexible in environments where there is a reducing attack . Molybdenum also gives excellent behavior in the event of localized corrosion such as "cervical corrosion" and stress corrosion. The Hastelloy®C-276 alloy also has good resistance to gas from desulphurisation plants.

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-276 is used for chemical plant components, pollution control equipment and oil & gas plants.

CHEMICAL COMPOSITION:

	Ni	Cr	Fe	Mo	W	C	Mn	S	Si	P	V
Min	55	14,6	4	15	3	--	--	--	--	--	--
Max		16,5	7	17	4,5	0,01	1	0,03	0,08	0,04	0,35

MECHANICAL PROPERTIES HASTELLOY® C-276 UNS N010276:

Tensile Rm: 850-1050 N/mm²

SPECIFICATION AND DISEGNATIONS:

W. 2.4819

ASTM B574

UNS N010276

ASME SB574