

2.4602

Material No.	2.4602
EN symbol (short)	NiCr21Mo14W
AISI/SAE	—
UNS	N 06022
AFNOR	—
B.S.	—
alloy	alloy 22
Registered work's label	Hastelloy® C-22
Standards	VdTÜV 479

DESCRIPTION

Alloy 2.4602 (alloy 22) is a high corrosion resistant nickel-chrome-molybdenum-tungsten alloy and shows excellent stability in oxidizing, reductive and mixed acids.

Material 2.4602 (alloy 22) is used in flue gas desulphurating plants, chemical industry, environmental protection plants, waste incineration plants, sewage conditioning systems.

Our product range in 2.4602 (alloy 22) are tubes and pipes, fittings and flanges, accessories.

CHEMICAL COMPOSITION ¹

C ≤ %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %	Cr %	Mo %	Ni %	V ≤ %
0,01	0,08	0,05	0,015	0,02	20,0-22,5	12,5-14,5	rest	0,35
Nb %	Ti %	Al %	Co ≤ %	Cu %	N %	Fe %	Ce %	W %
			2,5			2,0-6,0		2,5-3,5

¹ in accordance with Key to Steel 2001

SPECIAL CHARACTERISTICS

Temperature range	Density kg/dm ³	Hardness
	8,61	

resistant to pitting, stress corrosion and crevice corrosion

WELDING FILLER

Rod (TIG welding) 2.4635

MAIN FIELDS OF APPLICATION (depending on the specific conditions of use)

flue gas desulphurating plants, chemical industry, sulphuric acid, nitric acid, phosphoric acid, chlorine production, hydrogen chloride production, environment, heat exchangers, waste incineration plants, sewage conditioning systems

(all aforementioned specifications serve as a general orientation and have to be reviewed depending on the specific conditions of use)