

2.4633

Material No.	2.4633
EN symbol (short)	NiCr25FeAlY
AISI/SAE	—
UNS	—
AFNOR	—
BS	—
alloy	alloy 602
Registered work's label	
Standards	—

DESCRIPTION

The chemically stable and high-temperature resistant nickel and cobalt alloy 2.4633 (alloy 602) is used in environmental technology, chemical industry, flue gas desulphurating plants, etc.

Our product range in 2.4633 (alloy 602) are tubes and pipes, fittings and flanges, accessories.

CHEMICAL COMPOSITION ¹

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %	Cr %	Mo	Ni rest	Cu ≤ %
0,15-0,25	0,50	0,50	0,02	0,01	24,0-26,0	-	Bal	0,10
Fe %	Al	Co ≤ %	Ti %	Y %				
8,0-11,0	1,8-2,4	0,30	0,1-0,2	0,05-0,12				

¹ in accordance with Key to Steel 2001

SPECIAL CHARACTERISTICS

Temperature range	Density kg/m ³	Hardness (HB)
-10°C bis 1150°C (for pressure vessels)	7,9	

chemically stable and high-temperature resistant nickel and cobalt alloy
low susceptibility against intergranular corrosion

WELDING FILLER

2.4609

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

environmental technology, organic chemistry, chemical processes with oxidizing and reducing media, stability against damp chlogas, flue gas desulphurating plants, waste incineration plants

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