M.WOITE
Sonderwerkstoffe
Edelstähle

2.4851

Material No.	2.4851
EN symbol (short)	NiCr23Fe
AISI/SAE	—
UNS	N 06601
AFNOR	—
B.S.	—
alloy	alloy 601
Registered work's label	Inconel® alloy601, Nicrofer®6023H
Standards	EN 10095

DESCRIPTION

The nickel-chrome alloy 2.4851 (alloy 601) shows outstanding stability against oxidation and other forms of the high-temperature corrosion. Alloy 2.4851 (alloy 601) is used in building of industrial furnaces, muffle furnaces, petrochemical plants, chemical industry, for gas turbines.
Our product range in 2.4851 (alloy 601) are tubes and pipes, fittings and flanges, accessories.

CHEMICAL COMPOSITION [1]

C ≤ %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %	Cr %	Mo %	Ni [2] %	B %
0,1	0,5	1	0,02	0,015	21,0-25,0		58,0-63,0	

Nb %	Ti ≤ %	Al %	Co ≤ %	Cu ≤ %	N %	Fe ≤ %	Ce %	Y ≤ %
	0,5	1,0-1,7	(1,0)	0,5		18		

[1] in accordance with Key to Steel 2001 [2] einschl. Co

SPECIAL CHARACTERISTICS

Temperature range	Density kg/dm³	Hardness
up to 1150 °C	8,11	

WELDING FILLER

covered rod electrode 2.4628

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

building of industrial furnaces, gas turbines, thermal treatment plants, waste incineration plants, petrochemical industry, chemical industry, bleed heads

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