

## 2.4605

<b>Material No.</b>	2.4605
<b>EN symbol (short)</b>	NiCr23Mo16Al
<b>AISI/SAE</b>	—
<b>UNS</b>	N 06059
<b>AFNOR</b>	—
<b>BS</b>	—
<b>alloy</b>	alloy 59
<b>Registered work's label</b>	Nicrofer® 5923hMo
<b>Standards</b>	DIN EN 17744

### DESCRIPTION

The chemically stable and high-temperature resistant nickel and cobalt alloy 2.4605 (alloy 59) is mainly used in the chemical industry, flue gas desulphurating plants, paper industry. Our product range in 2.4605 (alloy 59) are tubes and pipes, fittings and flanges, accessories.

### CHEMICAL COMPOSITION <sup>1</sup>

C ≤ %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %	Cr %	Mo %	Ni rest	V
0,01	0,1	0,50	0,025	0,015	22,0-24,0	15,0-16,0	Bal	
Nb	Ti	Al %	Co ≤ %	Cu ≤ %	N	Fe ≤ %		
		0,10-0,40	0,30	0,50		1,5		

<sup>1</sup> in accordance with Key to Steel 2001

### SPECIAL CHARACTERISTICS

Temperature range	Density kg/dm <sup>3</sup>	Hardness HB (20°C)
-196 °C bis 450°C	8,6	
chemically stable and high-temperature resistant nickel and cobalt alloy low susceptibility against intergranular corrosion		

### WELDING FILLER

covered rod electrode 2.4609

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

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

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