

## 2.4858

<b>Material No.</b>	2.4858
<b>EN symbol (short)</b>	NiCr21Mo
<b>AISI/SAE</b>	—
<b>UNS</b>	N 08825
<b>AFNOR</b>	NC 21 FeDU
<b>BS</b>	NA 16
<b>alloy</b>	Alloy 825
<b>Registered work's labelen</b>	Incoloy® alloy 825 ; Nicrofer® 4221
<b>Standards</b>	VdTÜV 432

### DESCRIPTION

The high corrosion-resistant alloy 2.4858 (alloy 825) is chiefly used in the offshore and chemical industries. Our product range in 2.4858 (alloy 825) are tubes and pipes, fittings and flanges, accessories.

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

C ≤ %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %	Cr %	Mo %	Ni %	V %
0,025	0,5	1	0,25	0,15	19,5-23,5	2,5-3,5	38,0-46,0	-
Nb %	Ti %	Al ≤ %	Co ≤ %	Cu %	Fe rest			
-	0,6-0,12	1,20	1,0	1,5,-3,0	Bal			

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

### SPECIAL CHARACTERISTICS

Temperature range	Density kg/m <sup>3</sup>	Hardness (HB)
-10°C bis 450°C (pressure vessel up to 425°C)	8,1	

high-corrosion resistant nickel-based alloy

### WELDING FILLER

covered rod electrode 2.4621 oder 2.4652

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

offshore, heat exchangers, chemical industry, phosphoric acid plants, sulphuric acid plants, caustic soda thickener, nuclear technology

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