

## 1.4529

<b>Material No.</b>	1.4529
<b>EN symbol (short)</b>	X1NiCrMoCuN25-20-7
<b>AISI /SAE</b>	—
<b>UNS</b>	N 08926
<b>AFNOR</b>	—
<b>B.S.</b>	—
<b>alloy</b>	alloy 926
<b>Registered work's label</b>	Cronifer® 1925hMo
<b>Standards</b>	VdTÜV 502, SEW 400

### DESCRIPTION

1.4529 (alloy 926) is an austenitic special steel with high molybdenum content and low carbon content. Our product range in 1.4529 are tubes and pipes, fittings and flanges, accessories.

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

C ≤ %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %	Cr %	Mo %	Ni %	V
0,020	0,50	1,0	0,030	0,010	19,0-21,0	6,0-7,0	24,0-26,0	
Nb	Ti	Al	Co	Cu %	N ≤ %	Fe		
				0,5-1,5	0,15-0,25			

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

### SPECIAL CHARACTERISTICS

Temperature range	Density kg/dm <sup>3</sup>	Hardness (HB 30)
pressure bomb -10°C bis 400°C	8,1	≤ 250

extraordinarily high stability against pitting corrosion, stress corrosion and intergranular corrosion

### WELDING FILLER

2.4621, 2.4831, 2.4607, 2.4611

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

offshore, sea water desalination plants, sea water systems, chemical industry, production of sulphuric acid and phosphoric acid, sewage conditioning plants, mineral exploitation, flue gas desulphuration, components in conventional power stations, paper industry, pulp industry

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