

## 1.4749

<b>Material No.</b>	1.4749
<b>EN symbol (short)</b>	X18CrN28
<b>AISI/SAE</b>	446
<b>UNS</b>	S 44600
<b>AFNOR</b>	—
<b>BS</b>	—
<b>alloy</b>	—
<b>Registered work's label</b>	—
<b>Standards</b>	DIN EN 10095

### DESCRIPTION

The heat-resistant steel 1.4749 is mainly used in industrial furnaces and waste incineration plants. Our product range in 1.4749 are tubes and pipes, fittings and flanges, accessories.

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

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %	Cr %	Mo %	Ni %	V ≤ %
0,15-0,2	1,0	1,0	0,04	0,015	26,0-29,0		0,15-0,25	
Nb ≤ %	Ti %	Al %	Co ≤ %	Cu %	N %	Fe %	Ce %	W ≤ %
	5 x C ≤ 0,070							

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

### SPECIAL CHARACTERISTICS

Temperature range	Dicht kg/m <sup>3</sup>	Hardness (HB)
up to 1100°C in air	7,7	212
heat-resistant steel		

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

building of industrial furnaces, waste incineration plants, metallurgy, petrochemical industry

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