

1.4828

Material No.	1.4828
EN symbol (short)	X15CrNiSi20-12
AISI/SAE	309
UNS	S 30900
AFNOR	—
BS	—
alloy	—
Registered work's label	—
Standards	—

DESCRIPTION

Material 1.4828 is a heat-resistant steel.

Our product range in 1.4828 are tubes and pipes, fittings and flanges, accessories.

CHEMICAL COMPOSITION ¹

C ≤ %	Si %	Mn ≤ %	P ≤ %	S ≤ %	Cr %	Mo	Ni %	V
0,20	1,50-2,50	2,0	0,045	0,015	19,0-21,0			11,0-13,0
Nb	Ti	Al	Co	Cu	N ≤ %	Fe		
					0,11			

¹ in accordance with Key to Steel 2001

SPECIAL CHARACTERISTICS

Temperature range	Dicht kg/m ³	Hardness (HB)
heat-resistant in air up to 1000°C	7,9	≤ 223
heat-resistant steel		

WELDING FILLER

1.4829

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

building of industrial furnaces, apparatus engineering, hardening boxes, annealing pots, annealing boxes

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