

1.4565

Material No.	1.4565
EN symbol (short)	X2CrNiMnMoNbN25-18-5-4
AISI/SAE	—
UNS	S 34565
AFNOR	—
B.S.	—
alloy	alloy 24
Registered work's label	—
Standards	SEW 400

DESCRIPTION

The stainless austenitic special steel 1.4565 (alloy 24) is mainly used in sea water systems, crude oil transport and in environmental technology.

Our product range in 1.4565 are tubes and pipes, fittings and flanges, accessories.

CHEMICAL COMPOSITION ¹

C ≤ %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %	Cr %	Mo %	Ni %	V
0,03	1,0	3,5-6,5	0,03	0,015	23,0-26,0	3,0-5,0	16,0-19,0	
Nb ² ≤ %	Ti	Al	Co	Cu	N	Fe		
0,15					0,3-0,5			

¹ in accordance with Key to Steel 2001 ² Nb + Ta

SPECIAL CHARACTERISTICS

Temperature range	Density kg/dm ³ :	Hardness HB
(450°C)	8,0	

Austenitic special steel, shows high corrosion resistance as well as high mechanical property

WELDING FILLER

2.4886, 2.4887

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

flue gas desulphurating plants, apparatus engineering, sea water systems, sea water desalination plants, crude oil transport, transport systems for dredges in environmental technology

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