

Brand name | Remanit 4565 S

Trade name | Alloy 24

Material No.	EN Designation	UNS	Alloy
1.4565	X2CrNiMnMoN25-18-6-5	S34565	24

Description | 1.4565 / Alloy 24 is a full austenitic chromium-nickel-molybdenum stainless steel.

Special properties | Outstanding resistance to localized corrosion such as pitting and crevice corrosion. High strength.

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
≤ 0.03	1.00	5.00-7.00	0.03	0.015
Cr %	Mo %	Ni %	N %	Nb %
24.0-26.0	4.00-5.00	16.0-19.0	0.30-0.60	≤ 0.15

Hardness HB 30 ≤ HB	0.2% Yield strength $R_p \geq$ N/mm ²	Tensile strength R_m N/mm ²	Elongation $A_5 \geq$ %	Modulus of elasticity kN/mm ²
230	420	800-950	35	190

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
8	450	12	0.92

Suitable welding filler materials | 2.4609

Application | Off-gas desulfurization plants, chemical industries, cellulose industry, oil and gas industry

Available forms for 1.4565 / ALLOY 24	Sheets/Plates	Bars	Tubes/Pipes	Fittings	Forged / cast parts	Finished part (drawing)
						