

Brand name | Uranus S1®

Trade name | Alloy 1815

Material No.	EN Designation	UNS	Alloy
1.4361	X1CrNiSi18-15-4	S30600	1815

Description | 1.4361 / Alloy 1815 is a chromium-nickel stainless steel with silicon content.

Special properties | Stability in hot, concentrated nitric and sulfuric acid.

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
≤ 0.015	3.70-4.50	2.00	0.025	0.01
Cr %	Mo %	Ni %	N %	
16.5-18.5	≤ 0.20	14.0-16.0	≤ 0.11	

Hardness HB 30 ≤ HB	0.2% Yield strength R _p ≥ N/mm ²	Tensile strength R _m N/mm ²	Elongation A ₅ ≥ %	Modulus of elasticity kN/mm ²
230	210	530-730	40/30	200

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
7.7	470	14	0.75

Suitable welding filler materials | 1.4361

Application | Chemical industry with high-concentrated acid sulphur

Available forms for 1.4361 / ALLOY 1815	Sheets/Plates	Bars	Tubes/Pipes	Fittings
				