

Brand name | 10RE51, SS44®

Trade name | Duplex

Material No.	EN Designation	AISI/SAE	UNS
1.4460	X3CrNiMoN27-5-2	329	S32900

Description | 1.4460 / DUPLEX is an austenitic-ferritic chromium-nickel-molybdenum stainless steel.

Special properties | Usage in high chemical and mechanical stress.

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
≤ 0.05	1.00	2.00	0.035	0.015
Cr %	Mo %	Ni %	N %	
25.0-28.0	1.30-2.00	4.50-6.50	0.05-0.20	

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
260	450	620-800	20	200

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
7.8	500	15	0.8

Suitable welding filler materials | 1.4330; 1.4337; 1.4430

Application | Shipbuilding, compressor wheels

Available forms for 1.4460 / AISI 329

