

Brand name | Conicro® 5010 W

Trade name | Alloy L-605 / Alloy 25

Material No.	EN Designation	UNS	Alloy
2.4964	CoCr20W15Ni	R30605□	25

Description | Alloy 25 / L605 / 2.4964 is a cobalt-nickel-chromium-tungsten alloy.

Special properties | Excellent high-temperatures strength with good resistance to oxidizing environments up to 980°C. Excellent resistance to sulfidation.






C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
0.05-0.15	0.40	2.00	0.02	0.015
Cr %	Ni %	Co %	Fe %	W %
19.0-21.0	9.00-11.0	Rest	≤ 3.00	14.0-16.0

0.2% Yield strength $R_p$ ≥ N/mm <sup>2</sup>	Tensile strength $R_m$ N/mm <sup>2</sup>	Elongation $A_5$ ≥ %	Resistant on air up to °C	Modulus of elasticity kN/mm <sup>2</sup>
345	830-1130	25	1090	225

Density g/cm <sup>3</sup>	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm <sup>2</sup> /m
9.1	420	16	0.88

Suitable welding filler materials | 2.4964

Application | Parts for gas turbines and transmissions, chemical industry

Sheets/Plates	Bars	Wire	Forged / cast parts	Finished part (drawing)
				

Available forms for 2.4964 / ALLOY L-605/ALLOY 25