

# Kalkulationshilfen      Formulae for calculations

Spezifische Gewichte	kg/dm <sup>3</sup>		kg/dm <sup>3</sup>	Specific weights	kg/dm <sup>3</sup>
NICKEL 200	8.89	INCOLOY Alloy 800	7.94	NILO Alloy 36	8.11
NICKEL 201	8.89	INCOLOY Alloy 800 H	7.94	NILO Alloy 365	8.11
NICKEL 205	8.89	INCOLOY Alloy 800 HT	7.94	NILO Alloy 42	8.11
NICKEL 212	8.86	INCOLOY Alloy 803	7.86	NILO Alloy 475	8.18
NICKEL 270	8.91	INCOLOY Alloy 825	8.14	NILO Alloy 48	8.20
DURONICKEL Alloy 301	8.19	INCOLOY Alloy 864	8.02	NILO Alloy K	8.16
MONEL Alloy 400	8.80	INCOLOY Alloy 903	8.25	BRIGHTRAY Alloy B	8.36
MONEL Alloy 401	8.89	INCOLOY Alloy 907	8.33	BRIGHTRAY Alloy C	8.53
MONEL Alloy 404	8.91	INCOLOY Alloy 908	8.17	BRIGHTRAY Alloy F	7.92
MONEL Alloy R-405	8.80	INCOLOY Alloy 909	8.19	BRIGHTRAY Alloy S	8.44
MONEL Alloy K-500	8.44	INCOLOY Alloy 925	8.08	BRIGHTRAY Alloy 35	8.33
INCONEL Alloy 22	8.61	INCOLOY Alloy MA 956	7.25	FERRY Alloy	8.89
INCONEL Alloy 600	8.47	INCOLOY Alloy DS	7.86	NILOMAG Alloy 77	8.77
INCONEL Alloy 601	8.11	INCOLOY Alloy 020	8.08	NI-SPAN-C Alloy 902	8.05
INCONEL Alloy 617	8.36	INCOLOY Alloy 028	8.00	WASPALLOY	8.19
INCONEL Alloy 625	8.44	INCOLOY Alloy 330	8.08	UDIMET Alloy 188	9.13
INCONEL Alloy 686	8.73	INCOLOY Alloy 25-6MO	8.03	UDIMET Alloy L-605	9.13
INCONEL Alloy 690	8.19	INCOLOY Alloy A-286	7.94	INCOTHERM Alloy TD	8.54
INCONEL Alloy 706	8.05	NIMONIC Alloy 75	8.37	Titan Grade 1	4.51
INCONEL Alloy 718	8.19	NIMONIC Alloy 80A	8.19	Titan Grade 2	4.51
INCONEL Alloy 725	8.31	NIMONIC Alloy 81	8.06	Titan Grade 5	4.43
INCONEL Alloy X-750	8.28	NIMONIC Alloy 86	8.54	Titan Grade 5 ELI	4.45
INCONEL Alloy 751	8.22	NIMONIC Alloy 90	8.18	Tantal / Tantalum	16.60
INCONEL Alloy MA754	8.55	NIMONIC Alloy 105	8.01	Wolfram / Tungsten	17.50
INCONEL Alloy MA758	8.14	NIMONIC Alloy 115	7.85	Molybdän / Molybdenum	10.20
INCONEL Alloy 783	7.81	NIMONIC Alloy 263	8.36	Zirkonium / Zirconium	6.85
INCONEL Alloy C-276	8.89	NIMONIC Alloy 901	8.14	Aluminium	2.70
INCONEL Alloy G-3	8.14	NIMONIC Alloy PE11	8.02	1.4301	7.93
INCONEL Alloy HX	8.22	NIMONIC Alloy PE16	8.00	Kupfer / Copper	8.95
INCONEL Alloy 050	8.38	NIMONIC Alloy PK 33	8.21		

## Abmessungen in Millimeter, Gewicht in Kilogramm

## Dimensions in millimetres, weight in kilogramm

Form <i>Form</i>	Abmessungen <i>Dimensions</i>	Gewicht / Einheit <i>Weight / Unit</i>	Für Legierungen mit Dichte $\rho$ kg / dm <sup>3</sup> <i>For alloys of density <math>\rho</math> kg / dm<sup>3</sup></i>
Rund <i>Round</i>	Durchmesser = d <i>Diameter = d</i>	kg / m	$0.00078540 \cdot d^2 \cdot \rho$
Bleche <i>Plate / Sheet</i>	Dicke = t <i>Thickness = t</i>	kg / m <sup>2</sup>	$t \cdot \rho$
Band <i>Strip</i>	Breite = w <i>Width = w</i> Dicke = t <i>Thickness = t</i>	kg / 100 m	$0.100 \cdot w \cdot t \cdot \rho$
Rohr <i>Pipe / Tube</i>	Aussen- $\emptyset$ = D <i>Outside-<math>\emptyset</math> = D</i> Innen- $\emptyset$ = d <i>Inside-<math>\emptyset</math> = d</i> Wandstärke = t <sup>1)</sup> <i>Wall thickness = t<sup>2)</sup></i>	kg / m	$0.0031416 \cdot (D-t) \cdot t \cdot \rho$ oder/or $0.0031416 \cdot (d+t) \cdot t \cdot \rho$
Draht <i>Wire</i>	Durchmesser = d <i>Diameter = d</i>	kg / m	$0.78540 \cdot d^2 \cdot \rho$

<sup>1)</sup> Für Rohre mit mittlerer Wand, t = nominelle Wandstärke, für Rohre mit mindest Wand, t = nominelle Wandstärke + ½ der spezifischen Toleranzen.

<sup>2)</sup> For average wall tube, t = nominal wall thickness, for minimum wall tube, t = nominal wall thickness + ½ specified tolerance.