

Technical specification

	Material no.	UNS	Sg g/cm ³	Technical specification
Titanium Grade 1	3.7025	R50250	4.51	ASTM B265 / B348 ASME SB265 / SB348
Titanium Grade 2	3.7035	R50400	4.51	ASTM B265 / B348 ASME SB265 / SB348 AMS 4902 ASTM F67
Titanium Grade 3	3.7055	R50550	4.51	ASTM B265 / B348 ASME SB265 / SB348 AMS 4900
Titanium Grade 4	3.7065	R50700	4.51	ASTM B265 / B348 ASME SB265 / SB348 AMS 4901
Titanium Grade 5	3.7164/5	R56400	4.43	ASTM B265 / B348 ASME SB265 / SB348 AMS 4911 / 4928 / 6931
Titanium Grade 5 ELI (Grade 23)	3.7165	R56401	4.43	ASTM B265 / B348 ASME SB265 / SB348 ASTM F136
Titanium Grade 7	3.7235	R52400	4.51	ASTM B265 / B348 ASME SB265 / SB348
Titanium Grade 9	3.7195	R56320	4.47	ASTM B265 / B348 ASME SB265 / SB348 AMS 4943
Titanium Grade 11	3.7225	R52250	4.51	ASTM B265 / B348 ASME SB265 / SB348
Titanium Grade 12	3.7105	R53400	4.50	ASTM B265 / B348 ASME SB265 / SB348
Zirconium Zr 702	-	R60702	6.51	ASTM B550 / B551
Zirconium Zr 705	-	R60705	6.64	ASTM B550 / B551

CORROSION RESISTANT ALLOYS

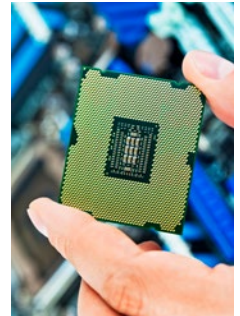
	Material no.	UNS	Sg g/cm ³	DIN	Technical specification	Tradename
Alloy 20	2.4660	N08020	8.08	NiCr 20 CuMo	ASTM B-473 ASME SB-473	Incoloy® 20
Alloy 200	2.4066	N02200	8.89	Ni 99,2	ASTM B-162 ASME SB-162 AMS 5533 (<i>alleen 201</i>)	Nickel 200
Alloy 201	2.4068	N02201	8.89	LCNi 99	ASTM B-162 ASME SB-162	Nickel 201
Alloy 400	2.4360	N04400	8.80	NiCu 30 Fe	ASTM B-127 ASME SB-127 AMS 4544	Monel® 400
Alloy K-500	2.4375	N05500	8.44	NiCu 30 Al	ASTM B-865 ASME SB-865 AMS 4676	Monel® K500
Alloy C4	2.4610	N06455	8.64	NiMo 16Cr16Ti	ASTM B-575 ASME SB-575	Hastelloy® C4
Alloy C22	2.4602	N06022	8.69	NiCr 21 Mo14W	ASTM B-575 ASME SB-575/574	Hastelloy® C22
Alloy C276	2.4819	N10276	8.89	NiMo 16Cr15W	ASTM B-575 ASME SB-575	Hastelloy® C276
Alloy 718	2.4668	N07718	8.19	NiCr 19 NbMo	ASTM B-670 AMS 5596 AMS 5597	Inconel® 718
Alloy 625	2.4856	N06625	8.44	NiCr 22 Mo 9 Nb	ASTM B-443 ASME SB-443 AMS 5599	Inconel® 625
Alloy 825	2.4858	N08825	8.14	NiCr 21 Mo	ASTM B-424 ASME SB-424	Incoloy® 825

HEAT RESISTANT ALLOYS

	Material no.	UNS	Sg g/cm ³	DIN	Technical specification	Tradename
Alloy 800	1.4876	N08800	7.94	X10NiCrAlTi 32 20	ASTM B-409 ASME SB-409 AMS 5871	Incoloy® 800
Alloy 800 H	1.4958	N08810	7.94	X15NiCrAlTi 31 20	ASTM B-409 ASME SB-409 AMS 5871	Incoloy® 800H
Alloy 800 HT	1.4959	N08811	7.94	X8NiCrAlTi 32 21	ASTM B-409 ASME SB-409 AMS 5871	Incoloy® 800HT
Alloy 600	2.4816	N06600	8.47	NiCr 15 Fe	ASTM B-168 ASME SB-168 AMS 5540	Inconel® 600
Alloy 601	2.4851	N06601	8.11	NiCr 23 Fe	ASTM B-168 AMS 5870	Inconel® 601
Alloy X-750	2.4669	N07750	8.28	NiCr 15 Fe 7 TiAl	ASTM B-637 ASME SB-637 AMS 5598	Inconel® X750

LOW THERMAL EXPANSION ALLOY

	Material no.	UNS	Sg g/cm ³	DIN	Technische specificatie	Tradename
Alloy 36	1.3912	K93600	8.11	FeNi36	ASTM F30	Invar®36, Nilo®36, Pernifer®36
Alloy 42	1.3917	K94100	8.11	FeNi42	ASTM F30	Invar®42, Nilo®42
Alloy K	1.3981	K94610	8,16	FeNi29	ASTM F15	Invar®K, Nilo®K



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DUPLEX

AISI	Material no.	UNS	Sg g/cm3	Tradename	PREN* min.-max.
Lean Duplex	1.4162	S32101	7.80	2101 LDX®	24,5 - 28,6
Lean Duplex	1.4062	S32202	7.80	DX2202	26,5
Lean Duplex	1.4362	S32304	7.75	2304	23,1 - 29,2
Duplex	1.4462	S31803	7.80	2205	30,8 - 38,1
Super Duplex	1.4410	S32750	7.79	2507	>40
Super Duplex	1.4501	S32760	7.84	Zeron 100®	>40
Super Duplex	1.4507	S32520	7.85	Ferrinox 255®	>40
Super Duplex	1.4507	S32550	7.81	Uranus 2507Cu®	>40

AUSTENITIC & SUPER AUSTENITIC STAINLESS STEEL

AISI	Material no.	UNS	Sg g/cm3	Tradename	PREN* min.-max.
314 (310**)	1.4841	S31400 (S31000**)	7.90		24,0 - 26,0
310S	1.4845	S31008	7.90		24,0 - 26,0
321	1.4541	S32000	7.90		>18,0
904L	1.4539	N08904	8.00	Uranus® B6	32,2 - 39,9
6Mo	1.4547	S31254	8.00	254SMO® AL-6XN®	42,2 - 47,6

PRECIPITATION HARDENING MARTENSITIC STAINLESS STEEL

AISI	Material no.	UNS	Sg g/cm3	Conditions
15-5 PH	1.4545	S15500	7.80	(A/H1150/H1150+1150/H900)
17-4 PH	1.4542	S17400	7.80	(A/H1150/H1150+1150/H900)

REFRACTORY METALS

AISI	Material no.	UNS	Sg g/cm3	Conditions
Molybdenum	-	-	10.20	On request
Tantalum	-	-	16.60	On request
Tungsten	-	-	17.80 - 19.60	On request
Niobium	-	-	8.55	On request

*PREN = %Cr+3,3xMo%+16x%N,

** Si <1.5% i.p.v. 1.5 - 2.5%

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- Supply Chain Management (SCM)
- Vendor Managed Inventory (VMI)
- EDI
- Online shop

Materiaal certificering volgens

AMS	API	ISO	NORSOK
ASTM	DIN	TÜV	PED
ASME	EN	NACE	

Advice

- Technical & metallurgical support
- Project support
- LME price Information

For specific information, contact one of our product specialists.



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