



# List of materials

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Material grade:	DIN EN SEW	VdTÜV-Wbl.:	Remarks	ASTM-No.:	ASME-No.:	ASTM-grade:	UNS-No.:
1.4005	EN 10088-3						
1.4006	EN 10088-3						
1.4021	EN 10088-3			----			
1.4057	EN 10088-3			----			
1.4112	EN 10088-3			---			
1.4120	SEW 400			----		---	---
1.4122	EN 10088-3			----		---	---
1.4301	EN 10222-5			ASTM A 182	ASME SA 182	F 304	UNS S 30400
				ASTM A 182	ASME SA 182	F 304H	UNS S 30409
1.4306	EN 10222-5			ASTM A 182	ASME SA 182	F 304L	UNS S 30403
1.4307	EN 10222-5						
1.4311	EN 10222-5			ASTM A 182	ASME SA 182	F 304LN	UNS S 30453
1.4313	EN 10222-5	VdTÜV Wbl. 395/3		ASTM A 182	ASME SA 182	F6 NM	UNS S 41500
1.4335	EN 10088-3	VdTÜV Wbl. 468					
1.4361	EN 10088-3						
1.4401	EN 10222-5			ASTM A 182	ASME SA 182	F 316	UNS S 31600
				ASTM A 182	ASME SA 182	F 316H	UNS S 31609
1.4404	EN 10222-5			ASTM A 182	ASME SA 182	F 316L	UNS S 31603
1.4410	EN 10222-5			ASTM A 182	ASME SA 182	F 53	UNS S 32750
1.4429	EN 10222-5			ASTM A 182	ASME SA 182	F 316LN	UNS S 31653
1.4435	EN 10222-5			ASTM A 182	ASME SA 182	F 316L	UNS S 31603
1.4436	EN 10222-5			ASTM A 182	ASME SA 182	F 316	UNS S 31600
1.4438	EN 10088-3			---		---	---
---	---			ASTM A 182	ASME SA 182	F 317L	UNS S 31703
1.4439	EN 10222-5	VdTÜV Wbl. 405					
1.4449	EN 10222-5			ASTM A 182	ASME SA 182	F 317	UNS S 31700
1.4460	EN 10088-3			---		----	
1.4462	EN 10222-5	VdTÜV Wbl. 418	HJE is approved manufacturer acc. to VdTÜV Wbl. 418	ASTM A 182	ASME SA 182	F 51	UNS S 31803
				ASTM A 182	ASME SA 182	F 60	UNS S 32205
1.4465	SEW 400	VdTÜV Wbl. 486					
1.4466	EN 10088-3	VdTÜV Wbl. 415		ASTM A 182	ASME SA 182	F 310MoLN	UNS S 31050
1.4501	EN 10222-5			ASTM A 182	ASME SA 182	F 55	UNS S 32760
1.4503	---	VdTÜV Wbl. 467		---		---	---
1.4505	SEW 400			---		---	---
1.4507	EN 10222-5			---		---	---
1.4529	EN 10222-5	VdTÜV Wbl. 502	HJE is approved manufacturer acc. to VdTÜV Wbl. 502	ASTM B 649	ASME SB 649	---	UNS N 08926
				ASTM B 564	ASME SB 564		UNS N 08367
1.4539	EN 10222-5	VdTÜV Wbl. 421	HJE is approved manufacturer acc. to VdTÜV Wbl. 421	ASTM A 182	ASME SA 182	F 904 L	UNS N 08904
1.4541	EN 10222-5			ASTM A 182	ASME SA 182	F 321	UNS S 32100
---	---			ASTM A 182	ASME SA 182	F 321H	UNS S 32100
1.4547	EN 10222-5	VdTÜV Wbl. 473		ASTM A 182	ASME SA 182	F 44	UNS S 31254
1.4550	EN 10222-5			ASTM A 182	ASME SA 182	F 347	UNS S 34700
---	---			ASTM A 182	ASME SA 182	F 347H	UNS S 34709
1.4558	SEW 400	VdTÜV Wbl. 474		---			
1.4562	SEW 400	VdTÜV Wbl. 509		ASTM B 564	ASME SB 564		UNS N 08031
1.4563	EN 10088-3	VdTÜV Wbl. 483		ASTM B 668	ASME SB 668		UNS N 08028
1.4565	SEW 400	VdTÜV Wbl. 537		ASTM A 182	ASME SA 182	F 49	UNS S 34565
1.4571	EN 10222-5			ASTM A 182	ASME SA 182	F 316Ti	UNS S 31635
1.4573	SEW 410						
1.4577	SEW 400			---		---	---
1.4580	EN 10088-3						
1.4583	---			---			---
1.4586	---	VdTÜV Wbl. 237		---		---	---
1.4591	SEW 400	VdTÜV Wbl. 516		ASTM B 564	ASME SB 564		UNS R 20033
1.4713	SEW 470			---		---	---
1.4742	SEW 470			---		---	---
1.4762	SEW 470			---			
1.4821	SEW 470			---			
1.4828	EN 10095			---			
1.4841	SEW 470			---		---	---
1.4845	SEW 470			ASTM A 182	ASME SA 182	F 310	UNS S 31000
1.4864	SEW 470						
1.4876	SEW 470	VdTÜV Wbl. 412		ASTM B 564	ASME SB 564		UNS N 08800
1.4876 H	---	VdTÜV Wbl. 434		ASTM B 564	ASME SB 564		UNS N 08810
---				ASTM B 564	ASME SB 564		UNS N 08811
1.4878	SEW 470						
1.4903	EN 10222-2	VdTÜV Wbl. 511/3		ASTM A 182	ASME SA 182	F 91	UNS K 90901
1.4910	EN 10222-5			---		---	---



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Material grade:	DIN EN SEW	VdTÜV-Wbl.:	Remarks	ASTM-No.:	ASME-No.:	ASTM-grade:	UNS-No.:
1.4919	DIN 17459			ASTM A 182	ASME SA 182	F 316 H	UNS S 31609
1.4922	EN 10222-2	VdTÜV Wbl. 110		---		----	---
1.4923	DIN 17240			---		----	---
1.4941	EN 10222-5			---		----	---
1.4948	EN 10222-5			ASTM A 182	ASME SA 182	F 304 H	UNS S 30409
1.4949	DIN 17459			---		---	---
1.4958	SEW 400			---		---	---
1.4959	SEW 400						
1.4961	SEW 400			---		---	---
1.4980	---	VdTÜV Wbl. 435/3		---		F 660	UNS S 66286
1.4981	SEW 400			---		---	---
1.5415	EN 10222-2			ASTM A 182	ASME SA 182	F 1	UNS K 12822
---	---	VdTÜV Wbl. 488		ASTM A 350	ASME SA 350	LF 2	
1.5637	EN 10222-3			ASTM A 350	ASME SA 350	LF 3	
1.5662	EN 10222-3						---
1.7335	EN 10222-2			ASTM A 182	ASME SA 182	F 12	UNS K 11564
---	---			ASTM A 182	ASME SA 182	F 11	UNS K 11597
1.7362	DIN 17176	VdTÜV Wbl. 007/3		ASTM A 182	ASME SA 182	F 5	UNS K 41545
1.7380	DIN 17243						---
1.7382	SEW 520	VdTÜV Wbl. 404/1		ASTM A 182	ASME SA 182	F 22	UNS K 21590
1.7386	DIN 17176	VdTÜV Wbl. 109		ASTM A 182	ASME SA 182	F 9	UNS K 90941
1.7709	EN 10269			---			
1.8913	DIN 17178	VdTÜV Wbl. 166		---		---	---
2.0872	DIN EN 12420			ASTM B 151	ASME SB 151	CuNi90/10	UNS C 70600
2.0882	DIN EN 12420			ASTM B 151	ASME SB 151	CuNi70/30	UNS C 71500
2.1972	DIN EN 12420			ASTM B 151	ASME SB 151	CuNi90/10	UNS C 70600
2.4066	DIN 17740/DIN 17752			ASTM B 564	ASME SB 564	Nickel 200	UNS N 02200
2.4068	DIN 17740/DIN 17752	VdTÜV Wbl. 345		ASTM B 160	ASMESB 160	Nickel 201	UNS N 02201
2.4360	DIN 17743/DIN 17752	VdTÜV Wbl. 263		ASTM B 564	ASME SB 564	Alloy 400	UNS N 04400
2.4375	DIN 17743/DIN 17752			ASTM B 865	ASME SB 865	Alloy K-500	UNS N 05500
2.4600	DIN 17744/DIN 17752	VdTÜV Wbl. 517		ASTM B 564	ASME SB 564	Alloy B3	UNS N 10675
---	----			ASTM B 564	ASME SB 564	Alloy B4	UNS N 10629
---	----			ASTM B 581	ASME SB 581	AlloyG	UNS N 06007
---	----			ASTM B 581	ASME SB 581	Alloy G2	UNS N 06975
2.4602	DIN 17744/DIN 17752	VdTÜV Wbl. 479		ASTM B 564	ASME SB 564	Alloy C 22	UNS N 06022
2.4605	DIN 17744/DIN 17752	VdTÜV Wbl. 505		ASTM B 564	ASME SB 564	Alloy 59	UNS N 06059
2.4606	DIN 17744/DIN 17752	VdTÜV Wbl. 515		ASTM B 564	ASME SB 564	Alloy 686	UNS N 06686
2.4610	DIN 17744/DIN 17752	VdTÜV Wbl. 424		ASTM B 574	ASME SB 574	Alloy C4	UNS N 06455
2.4617	DIN 17744/DIN 17752	VdTÜV Wbl. 436		ASTM B 462	ASME SB 462	Alloy B2	UNS N 10665
2.4619	DIN 17744/DIN 17752			ASTM B 581	ASME SB 581	Alloy G3	UNS N 06985
---	----			ASTM B 581	ASME SB 581	Alloy G30	UNS N 06030
2.4633	DIN 17742/DIN 17752	VdTÜV Wbl. 540		ASTM B 564	ASME SB 564	Alloy 602	UNS N 06025
2.4642				ASTM B 564	ASME SB 564	Alloy 690	UNS N 06690
2.4650	DIN 17744/DIN 17752			---		Alloy C-263	UNS N 07263
2.4660	DIN 17744/DIN 17752			ASTM B 462	ASME SB 462	20 CB 3	UNS N 08020
2.4663	DIN 17744/DIN 17752	VdTÜV Wbl. 485		ASTM B 564	ASME SB 564	Alloy 617	UNS N 06617
2.4665	DIN 17744/DIN 17752			ASTM B 572	ASME SB 572	Alloy X	UNS N 06002
2.4668	DIN 17744/DIN 17752			ASTM B 637	ASME SB 637	Alloy 718	UNS N 07718
2.4675	DIN 17744/DIN 17752	VdTÜV Wbl. 539		ASTM B 564	ASME SB 564	Alloy C 2000	UNS N 06200
2.4816	DIN 17742/DIN 17752	VdTÜV Wbl. 305		ASTM B 564	ASME SB 564	Alloy 600	UNS N 06600
2.4819	DIN 17744/DIN 17752	VdTÜV Wbl. 400		ASTM B 564	ASME SB 564	Alloy C276	UNS N 10276
2.4850	----			ASTM B 446	ASME SB 446	Alloy 50 Plus	UNS N 06650
2.4851	DIN 17742/DIN 17752			ASTM B 166	ASME SB 166	Alloy 601	UNS N 06601
2.4852	---			ASTM B 637	ASME SB 637	Alloy 925	UNS N 09925
2.4856	DIN 17744/DIN 17752	VdTÜV Wbl. 499		ASTM B 564	ASME SB 564	Alloy 625 Gr.1	UNS N 06625
2.4858	DIN 17744/DIN 17752	VdTÜV Wbl. 432/3		ASTM B 564	ASME SB 564	Alloy 825	UNS N 08825
3.7025	DIN 17850/DIN 17864	VdTÜV Wbl. 230/3		ASTM B 381	ASME SB 381	F 1	UNS R 50250
3.7035	DIN 17850/DIN 17864	VdTÜV Wbl. 230/3		ASTM B 381	ASMESB 381	F 2	UNS R 50400
3.7055	DIN 17850/DIN 17864	VdTÜV Wbl. 230/3		ASTM B 381	ASME SB 381	F 3	UNS R 50550
3.7105	DIN 17851/DIN 17864	VdTÜV Wbl. 230/3		ASTM B 381	ASME SB 381	F 12	UNS R 53400
3.7165	DIN 17851/DIN 17864			ASTM B 381	ASME SB 381	F 5	UNS R 56400
3.7225	DIN 17851/DIN 17864	VdTÜV Wbl. 230/3		ASTM B 381	ASME SB 381	F 11	UNS R 52250
3.7235	DIN 17851/DIN 17864	VdTÜV Wbl. 230/3		ASTM B 381	ASME SB 381	F 7	UNS R 52400
3.7255	DIN 17851/DIN 17864	VdTÜV Wbl. 230/3		ASTM B 381	ASME SB 381	---	---
Tantal	----	VdTÜV Wbl. 382		ASTM B 708	ASME SB 708	---	---
Zirkonium	----	VdTÜV Wbl. 480		ASTM B 493	ASME SB 493	---	UNS R 60702