

Internationaler Werkstoffvergleich

International comparison of grades

Edelstahl / Stainless Steel		USA			Sverige	France	Great Britain
Werkstoff-Nr. / Material	Kurzname / Short Name	AISI	ASTM	UNS	SS	AFNOR	BS
1.4002	X6 CrAl13	405	A 268	S 40 500	-	-	-
1.4006	X12 Cr13	410	A 268	S 41 000	2302	Z 10 C 13	410 S 21
1.4016	X6 Cr17	430	A 268	S 43 000	2320	Z 8 C17	430 S 15
1.4301	X5 CrNi 18-10	304	A 213 / A 312	S 30 400	2332	Z 6 CN 18.09	304 S 15
1.4306	X2 CrNi 19-11	304 L	A 213 / A 312	S 30 403	2352	Z 2 CN 18.10	304 S 11
1.4311	X2 CrNiN 18 10	304 LN	A 213 / A 312	S 30 453	2371	Z 2 CN 18.10 Az	304 S 62
1.4401	X5 CrNiMo 17-12-2	316	A 213 / A 312	S 31 600	2347	Z 7 CND 17.12.02	316 S 31
1.4404	X2 CrNiMo 17-12-2	316 L	A 213 / A 312	S 31 603	2348	Z 3 CND 18.12.02	316 S 11
1.4435	X2 CrNiMo 18-14-3	316 L	A 213 / A 312	S 31 603	2353	Z 3 CND 18.14.03	316 S 11
1.4436	X3 CrNiMo 17-13-3	316	A 213 / A 312	S 31 600	2343	Z 7 CND 18.12.03	316 S 31
1.4439	X2 CrNiMoN 17-13-5	(317 LMN)	A 312	S 31 726	-	-	-
1.4510	X6 CrTi 17	430 Ti	A 268	S 43 036	2326	Z 8 CT 17	-
1.4512	X2 CrTi 12	409	-	-	-	-	-
1.4541	X6 CrNiTi 18-10	321	A 213 / A 312	S 32 100	2337	Z 6 CNT 18.10	321 S 31
1.4550	X6 CrNiNb 18-10	347	A 213 / A 312	S 34 700	2338	Z 6 CNNb 8.10	347 S 31
1.4571	X6 CrNiMoTi 17-12-2	316Ti	-	S 31 635	2350	Z 6 CNDT 17.12	320 S 31
1.4841	X15 CrNiSi 25-21	314	-	S 31 400	-	Z 12 CNS 25.20	314 S 25

Stahl / Steel		USA			Sverige	France	Great Britain
Werkstoff-Nr. / Material	Kurzname / Short Name	AISI	ASTM	UNS	SS	AFNOR	BS
1.0026	S195T						
1.0031	E190						
1.0033	E155						
1.0034	E195						
1.0107	P195TR1						
1.0108	P195TR2						
1.0212	E215		A 519				6323 : Part 5
1.0215	E220						
1.0220	E260						
1.0225	E275						
1.0237	E320						
						49-112	
						49-142	EN 10216-1
						49-150	3601 : 1987
						49-210	EN 10217-1
1.0254	P235TR1		A 53			49-250	EN 10224
			A 135			49-211	EN 10216-1
1.0255	P235TR2		A 381			49-252	EN 10217-1
1.0258	P265TR1						
1.0259	P265TR2						
1.0261	E370b						
1.0308	E235	1010	A 519		14 1233	A 49-310	6323 : Part 4
1.0575	E420b	1024/1524	A 519		14 2172	A 49-310	6323 : Part 4
1.0580	E355		A 519		14 2172	A 49-310	6323 : Part 4

Aluminium / Aluminium		USA			Sverige	France	Great Britain
Werkstoff-Nr. / Material	Kurzname / Short Name	AISI	ASTM	UNS	SS	AFNOR	BS
3.0205	EN AW-1200 [Al 99,0]						
3.0255	EN AW-1050A [Al 99,5]						
3.0275	EN AW-1070A [Al 99,7]						
3.0515	EN AW-3103 [Al Mn1]						
3.0517	EN AW-3003 [Al Mn1 Cu]						
3.0615	EN AW-6012 [Al MgSiPb]						
3.1255	EN AW-2014 [Al Cu4SiMg]						
3.1325	EN AW-2017A [Al Cu4MgSi(A)]						
3.1355	EN AW-2024 [Al Cu4Mg1]						
3.1645	EN AW-2007 [Al Cu4PbMgMn]						
3.1655	EN AW-2011 [Al Cu6BiPb]						
3.2315	EN AW-6082 [Al Si1MgMn]						
3.3206	EN AW-6060 [Al MgSi]						
3.3207	EN AW-6101 [EAl MgSi(B)]						
3.3210	EN AW-6005A [Al SiMg(A)]						
3.3211	EN AW-6061 [Al Mg1SiCu]						
3.3315	EN AW-5005A [Al Mg1(C)]						
3.3326	EN AW-5051A [Al Mg2]						
3.3523	EN AW-5052 [Al Mg2,5]						
3.3525	EN AW-5251 [Al Mg2Mn0,3]						
3.3527	EN AW-5049 [Al Mg2Mn0,8]						
3.3535	EN AW-5754 [Al Mg3]						
3.3537	EN AW-5454 [Al Mg3Mn]						
3.3545	EN AW-5086 [Al Mg4]						
3.3547	EN AW-5083 [Al Mg4,5Mn0,7]						
3.3555	EN AW-5019 [Al Mg5]						
3.4335	EN AW-7020 [Al Zn4,5Mg1]						
3.4345	EN AW-7022 [Al Zn5Mg3Cu]						
3.4365	EN AW-7075 [Al Zn5,5MgCu]						

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Messing / Brass Werkstoff-Nr. / Material	Kurzname / Short Name	USA AISI	ASTM	UNS	Sverige SS	France AFNOR	Great Britain BS
2.0220	CuZn5		C 21000	CW 500 L			
-	CuZn10		C 22000	CW 501 L			
2.0240	CuZn15		C 23000	CW 502 L			
2.0250	CuZn20		C 24000	CW 503 L			
2.0265	CuZn30		C 26000	CW 505 L			
2.0335	CuZn36		C 27200	CW 507 L			
2.0321	CuZn37		C 27400	CW 508 L			
2.0360	CuZn40		C 28000	CW 509 L			
2.0331	CuZn35Pb1		C 34000	CW 600 N			
2.0331	CuZnPb2		C 34200	CW 601 N			
-	CuZn36Pb2As		C 35330	CW 602 N			
2.0375	CuZn36Pb3		C 36000	CW 603 N			
2.0332	CuZn37Pb0,5		C 33500	CW 604 N			
-	CuZn37Pb1		-	CW 605 N			
-	CuZn38Pb1		-	CW 607 N			
-	CuZn38Pb2		-	CW 608 N			
2.0401	CuZn39Pb3		C 38500	CW 614 N			
2.0402	CuZn40Pb2		C 38000	CW 617 N			
-	CuZn13Al1Ni1Si1		-	CW 700 R			
2.0460	CuZn20Al2		-	CW 702 R			
2.0490	CuZn31Si1		-	CW 708 R			
2.0540	CuZn35Ni3Mn2AlPb		-	CW 710 R			
2.0550	CuZn37Mn3Al2PbSi		-	CW 713 R			
-	CuZn38Mn1Al		-	CW 716 R			
2.0561	CuZn39Mn1AlPnSi		-	CW 718 R			
2.0572	CuZn40Mn2Fe1		-	CW 723 R			

Kupfer / Copper Werkstoff-Nr. / Material	Kurzname / Short Name	USA AISI	ASTM	UNS	Sverige SS	France AFNOR	Great Britain BS
2.0090	Cu-DHP			CW 024 A			
-	CuFe2P			CW 107 C			
-	CuNi2Si			CW 111 C			
2.0872	CuNi10Fe1Mn			CW 352 H			
2.0882	CuNi30Mn1Fe			CW 354 H			

Bronze / Bronze Werkstoff-Nr. / Material	Kurzname / Short Name	USA AISI	ASTM	UNS	Sverige SS	France AFNOR	Great Britain BS
2.1020	CuSn6		C 51900	CW 452 K			
2.1030	CuSn8		C 52100	CW 453 K			
-	CuSn4Pb2P			CW 455 K			
2.1030	CuSn8P			CW 459 K			
-	CuSn8PbP			CW 460 K			

Neusilber / German Silver Werkstoff-Nr. / Material	Kurzname / Short Name	USA AISI	ASTM	UNS	Sverige SS	France AFNOR	Great Britain BS
2.0730	CuNi12Zn24		C 75700	CW 403 J			
2.0740	CuNi18Zn20		C 76400	CW 409 J			

Titan / Titanium Werkstoff-Nr. / Material	Kurzname / Short Name	USA AISI	ASTM	UNS	Sverige SS	France AFNOR	Great Britain BS
3.7025	Titan Gr. 1		Gerade 1			T 35	T A1
3.7035	Titan Gr. 2		Gerade 2			T 40	T A2 - 5

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