

POROVNÁNÍ MATERIÁLU PODLE DIN, BSI, ASTM A ČSN

CISLO NORMY	C	Si	Mn	P	S	Cr	Mo	Ni	Nb	Ti	Cu	Sn	Zn	Pb	Al	Fe	DIN	BSI	ASTM	ČSN
1.4122	0.33	0.00	0.00	0.00	0.00	15.50	0.90	0.00									X12CrMo 17			
	0.44	1.00	1.00	0.045	0.030	17.50	1.30	1.00												
1.4300	0.00	0.00	0.00	0.00	0.00	17.00		8.00									X12CrNi 18 8	302S25	Type302	17 241
	0.12	1.00	2.00	0.045	0.030	19.00		10.00												
1.4301	0.00	0.00	0.00	0.00	0.00	17.00		8.50									X5CrNi 18 9	304S15	304	17 240
	0.07	1.00	2.00	0.045	0.030	20.00		12.80												
1.4305	0.00	0.00	0.00	0.00	0.00	17.00		8.00									X12CrNiS 18 8	303S21	303	17 241+S*)
	0.15	1.00	2.00	0.045	0.035	19.00		10.00												
1.4308	0.00	0.00	0.00	0.00	0.00	18.00		9.00									G-X6CrNi 18 9	304C15		42 2930
	0.07	2.00	1.50	0.045	0.030	20.00		11.00												
1.4310	0.08	0.00	0.00	0.00	0.00	16.00	0.00	6.50									X12CrNi 17 7		301	
	0.14	1.50	2.00	0.045	0.030	18.00	0.80	9.00												
1.4312	0.00	0.00	0.00	0.00	0.00	17.00		8.00									G-X10CrNi 18 8	302C25		42 2931
	0.12	2.00	1.50	0.045	0.030	19.50		10.00												
1.4370	0.00	0.00	0.00	0.00	0.00	17.20		7.60									X15CrNiMn 18 8			~17 460
	0.19	0.95	7.90	0.035	0.020	19.80		9.40												
1.4401	0.00	0.00	0.00	0.00	0.00	16.50	2.00	10.00									X5CrNiMo 18 10	316S16	316	17 346
	0.07	1.00	2.00	0.045	0.030	18.50	2.50	13.50												
1.4404	0.00	0.00	0.00	0.00	0.00	16.50	2.00	11.00									X2CrNiMo 18 10	316S11	316L	17 349
	0.03	1.00	2.00	0.045	0.030	18.50	2.50	14.00												
1.4408	0.00	0.00	0.00	0.00	0.00	18.00	2.00	10.00									G-	316C16		42 2940

	0.07	1.50	1.50	0.045	0.030	20.00	3.00	12.00									X6CrNiMo 18 10			
1.4410	0.00	0.00	0.00	0.00	0.00	17.00	2.00	9.00									G-X10CrNiMo 18 9	1504	A351	42 2942
	0.12	2.00	1.50	0.045	0.030	19.50	2.50	11.00										845	Grade CF 3M	
1.4435	0.00	0.00	0.00	0.00	0.00	16.50	2.50	12.50									X2CrNiMo 18 12	316S11,12	317L	17 350
	0.13	1.00	2.00	0.045	0.030	18.50	3.00	15.00												
1.4502	0.00	0.00	0.00	0.00	0.00	16.70				0.35							X8CrTi 18			05 5383 _{sv.}
	0.09	1.40	1.40	0.030	0.020	18.30				0.65										
1.4525	0.00	0.00	0.00	0.00	0.00	17.00	1.80		>12x								X8CrMoNb 18 2			
	0.10	1.00	1.00	0.045	0.030	19.00	2.30		%C											
1.4541	0.00	0.00	0.00	0.00	0.00	17.00		9.00		>5x							X10CrNiTi 18 9	321S12	321	17 247
	0.10	1.00	2.00	0.045	0.030	19.00		11.50		%C										
1.4552	0.00	0.00	0.00	0.00	0.00	18.00		9.00	>8x								G-X5CrNiNb 18 9	347C17		42 2933
	0.06	1.50	1.50	0.045	0.030	20.00		11.00	%C											

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ČÍSLO NORMY	C	Si	Mn	P	S	Cr	Mo	Ni	Nb	Ti	Cu	Sn	Zn	Pb	Al	Fe	DIN	BSI	ASTM	ČSN
1.4571	0.00	0.00	0.00	0.00	0.00	16.50	2.00	10.00		>5x%C							X10CrNiMoTi1810	320S17	316Ti	17 348
	0.10	1.00	2.00	0.045	0.030	18.50	2.50	13.50												
1.4573	0.00	0.00	0.00	0.00	0.00	16.50	2.50	12.00		>5x%C							X10CrNiMoTi1810	320S33	316Ti	17 353
	0.10	1.00	2.00	0.045	0.030	18.50	3.00	14.50												
1.4576	0.00	0.00	0.00	0.00	0.00	18.20	2.50	10.20		>12x%C							X5CrNiMoNb1912			05 5388
	0.06	1.40	1.90	0.025	0.015	19.80	3.00	12.80												sv.
1.4581	0.00	0.00	0.00	0.00	0.00	18.00	2.00	10.50		>8x%C							G-X5CrNiMoNb18 10	318C17		42 2941
	0.06	1.50	1.50	0.045	0.030	20.00	2.50	12.50												
1.5419	0.18	0.30	0.50	0.00	0.00	0.00	0.35										22CrMo44		4419	~15

	0.23	0.60	0.80	0.030	0.030	0.35	0.45													020	
1.7335	0.10	0.10	0.40	0.00	0.00	0.70	0.40				0.00							13CrMo44	1501-620	A182	15 121
	0.18	0.35	1.00	0.035	0.030	1.10	0.60				0.30								Grade27;31	GradeF11,12	42 2742
1.7357	0.15	0.30	0.50	0.00	0.00	1.00	0.45											GS-17CrMo55		A217	SN
	0.20	0.60	0.80	0.030	0.030	1.50	0.55													GradeWC6	42 2742
1.7380	0.06	0.00	0.40	0.00	0.00	2.00	0.90											10CrMo9 10	1501-622	A182	15 313
	0.15	0.50	0.70	0.035	0.030	2.50	1.10												Grade31;45	GradeF22	42 3221
2.0370.10			0.00				0.00				59.50	0.00	rem/	0.50	0.00	0.00	-		2874	B124	42 3221
			0.10				0.30				61.50	0.20	rest.	2.00	0.05	0.30	CuZn38Pb1F35 (Ms60Pb34)	CZ123	C37700		
2.0380.10			0.00				0.00				58.50	0.00	rem/	1.50	0.00	0.00	17672		2874	B124	42 3222
			0.10				0.30				59.80	0.20	rest.	2.30	0.10	0.40	CuZn39Pb2F37 (Ms58F37)	CZ121	C37700		
1.7357	0.15	0.30	0.50	0.00	0.00	1.00	0.45											GS-17CrMo55		A217	SN
	0.20	0.60	0.80	0.030	0.030	1.50	0.55													GradeWC6	42 2742
1.7380	0.06	0.00	0.40	0.00	0.00	2.00	0.90											10CrMo9 10	1501-622	A182	15 313
	0.15	0.50	0.70	0.035	0.030	2.50	1.10												Grade31;45	GradeF22	42 3221
2.0370.10			0.00				0.00				59.50	0.00	rem/	0.50	0.00	0.00	-		2874	B124	42 3221
			0.10				0.30				61.50	0.20	rest.	2.00	0.05	0.30	CuZn38Pb1F35 (Ms60Pb34)	CZ123	C37700		
2.0380.10			0.00				0.00				58.50	0.00	rem/	1.50	0.00	0.00	17672		2874	B124	42 3222
			0.10				0.30				59.80	0.20	rest.	2.30	0.10	0.40	CuZn39Pb2F37 (Ms58F37)	CZ121	C37700		
2.0401.08			0.00				0.00				57.50	0.00	rem/	2.50	0.00	0.00	17672		2874	B124	~42 3223
			0.20				0.40				59.00	0.30	rest.	3.30	0.10	0.40	CuZn39Pb3p(Ms58p)	CZ121	C37700		
2.0402.20			0.00				0.00				57.50	0.00	rem/	1.50	0.00	0.00	17672		2872	B124	42 3223
			0.20				0.40				59.00	0.30	rest.	2.50	0.10	0.40	CuYn40Pb2zh (Ms58zh)	CZ123	C37700		

2.0406			0.00					0.00			56.00	0.00	rem/	1.50	0.00	0.00	17672	2872	B124	~42 3223
			0.20					0.40			58.00	0.30	rest.	2.50	0.10	0.40	CuZn41Pb62(Ms58)	CZ123	C37700	
2.0490.31		0.70						0.00			66.00		rem/	0.00			17672			~42 3217
		1.30						0.50			70.00		rest.	0.80			CuZn31SiF50 (SoMs68)			
2.0530.10								0.00			59.00	0.50	rem/	0.00		0.00	17670	2874	B21	~42 3237
								0.20			62.00	1.00	rest.	0.20		0.10	CuZn39nF35 (SoMs60F38)	CZ112	C46400	
0.6020	3.20	1.60	0.60	0.00	0.00												GG20	Grade220	A48-30B	42 2420
	3.40	1.80	0.80	0.40	0.12															
0.6025	3.00	1.60	0.30	0.00	0.00												GG25	Grade260	A48-40B	42 2425
	3.50	2.00	0.50	0.30	0.12															
0.6030	2.60	1.20	0.80	0.00	0.00												GG30	Grade300	A48-45B	42 2430
	3.00	1.80	1.20	0.20	0.12															
0.7040																	GGG-40	Grade 420/12	536Grade 60-40-18	42 2933

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ČÍSLO NORMY	C	Si	Mn	P	S	Cr	Mo	Ni	Nb	Ti	Cu	Sn	Zn	Pb	Al	Fe	DIN	BSI	Fe	DIN
0.7043																	GGG-40.3	Grade370/17		42 2314
0.7050																	GGG50	Grade500/7	A536-80 Grade65-45-12	42 2305
0.8035																	GTW-35-04	309/72 W340/3		42 2536
0.8040																	GTW-40-05	309/72 W410/4		42 2540

0.8135																	GTS-35-10	310/72 340/12B	A47-77 Grade32 510	42 2533
1.0036	0.00	traces	0.20	0.00	0.00												US37-2			11 373
	0.17		0.50	0.050	0.050															
1.0040	0.00	traces	0.20	0.00	0.00												US42-2	060A25	A675 Grade60	11 453
	0.25		0.50	0.050	0.050															
1.0065	0.00	traces	0.02	0.00	0.00												US37-1	A40A20	A675 Grade50	11 373
	0.20		0.05	0.070	0.050															
1.0402	0.17	0.00	0.30	0.00	0.00												C22	050A20	A576 Grade1020	12 024
	0.24	0.40	0.60	0.045	0.045															
1.0460	0.18	0.15	0.30	0.00	0.00												C22.8			
	0.23	0.35	0.60	0.040	0.040															
1.0501	0.32	0.00	0.50	0.00	0.00												C35	060A35	A576 1035	12 040
	0.39	0.40	0.80	0.045	0.045															
1.0503	0.42	0.00	0.50	0.00	0.00												C45	080M46	A576 1045	12 050
	0.50	0.40	0.80	0.045	0.045															
1.0619	0.18	0.30	0.50	0.00	0.00	0.00											GS-C25	1504-161 GradeB	A216 GradeWCB	42 2643
	0.23	0.60	0.80	0.30	0.30	0.030														
1.0715	0.00	0.00	0.90	0.00	0.24												9SMn28	230M07	1213	11 109
	0.14	0.05	1.30	0.100	0.32															
1.1151	0.17	0.00	0.30	0.00	0.00												CK22	050A20	1020; 1023	12 024
	0.24	0.40	0.60	0.035	0.030															
1.1156	0.20	0.30	0.50	0.00	0.00	0.00											GS- Ck24		A352 GradeLCB	42 2640
	0.28	0.50	0.80	0.030	0.030	0.30														
1.4000	0.00	0.00	0.00	0.00	0.00	12.00											X7Cr13	403S17	403	17 020
	0.08	1.00	1.00	0.045	0.030	14.00														
1.4006	0.08	0.00	0.00	0.00	0.00	12.00											X10Cr13	410S21	410	17 021

	0.12	1.00	1.00	0.045	0.030	14.00														
1.4009	0.00	0.00	0.00	0.00	0.00	12.20												X8Cr14		-- sv.
	0.09	1.10	0.95	0.030	0.020	14.80														

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ČÍSLO NORMY	C	Si	Mn	P	S	Cr	Mo	Ni	Nb	Ti	Cu	Sn	Zn	Pb	Al	Fe	DIN	BSI	ASTM	ČSN
1.4015	0.00	0.00	0.00	0.00	0.00	16.50											X8Cr18			-- sv.
	0.10	1.50	1.50	0.030	0.030	18.50														
1.4016	0.00	0.00	0.00	0.00	0.00	15.50											X8Cr17	430S15	430	17 040
	0.08	1.00	1.00	0.045	0.030	17.50														
1.4021	0.17	0.00	0.00	0.00	0.00	12.00											X20Cr13	420S37	420	17 022
	0.22	1.00	1.00	0.045	0.030	14.00														
1.4024	0.12	0.00	0.00	0.00	0.00	12.00											X15Cr13	420S29		17 021
	0.17	1.00	1.00	0.045	0.030	14.00														? 19 434
1.4034	0.42	0.00	0.00	0.00	0.00	12.50											X46Cr13	420S45		17 024
	0.50	1.00	1.00	0.045	0.030	14.50														? 19 435
1.4057	0.15	0.00	0.00	0.00	0.00	16.00		1.50									X22CrNi17	431S29	431	--
	0.23	1.00	1.00	0.045	0.030	18.00		2.50												
1.4104	0.10	0.00	0.00	0.00	0.15	15.50	0.20										X12CrMoS17		430F	--
	0.17	1.00	1.50	0.060	0.35	17.50	0.60													
1.4110	0.50	0.00	0.00	0.00	0.00	13.00	0.50										X55CrMo14			nástroj.
	0.60	1.00	1.00	0.045	0.030	15.00	0.60													
1.4119	0.12	0.00	0.00	0.00	0.00	12.00	1.00										X15CrMo13			~17 116
	0.17	1.00	1.00	0.030	0.030	14.00	1.30													
2.0540.09		0.00	1.50					2.00			58.00	0.00	rem/	0.00	0.30	0.00	17672			--

		0.10	2.50					3.00			61.00	0.50	rest.	11.00	1.50	0.50	CuYn35NiF35 (SoMz59F45)			
2.0921			0.00					0.00			89.00				7.50		S-AlBz8			~42 3044
			1.80					0.80			93.00				9.50					
2.0940.01											83.00			8.50		2.00	G-CuAl10Fe	A81-C	B148	42 3145P
											89.50			11.00		4.00	(G-FeAlBzF50)		Grade9A	
2.0966			0.00					3.00			79.50				8.50	2.50	17665	2872	B150	42 3047
			1.50					6.00			85.00				10.50	5.30	CuAl10Ni (AlBz10Ni)	CA104	C63000	
2.0975.01			0.00					4.00			min				8.50	3.50	1705	1400:1973	B148	42 3147P
			2.50					6.50			76.00				11.00	5.50	G- CuAl10Ni(G- NiAlBzF60)	AB2	C95500	
2.1030			0.01					0.00			rem/	7.50	0.00	0.00		0.00	17662	2872	B103	42 3018
			0.40					0.30			rest.	9.00	0.30	0.05		0.10	CuSn8(SnBz8)	Pb104	C52100	
2.1050.01			0.01	0.00							88.00	9.00	0.00	0.00		0.00	1705	1400:1973		42 3119P
			0.20	0.05							90.00	11.00	0.50	1.00		0.20	G-CuSn10(G- SnBz10)	Pb4		
2.1086.01			0.01	0.00							86.00	9.00	1.00	0.00		0.00	1705	1400:1973	B584	42 3138P
			0.05	0.10							89.00	11.00	3.00	1.50		0.25	G-CuSn10Zn (Rg10)	G1	C90500	
2.1090.01			0.00	0.00							81.00	6.00	3.00	5.00		0.00	1705	1400:1973	B584	~42 3137P
			0.05	0.10							85.00	8.00	5.00	7.00		0.25	G-CuSn7ZnPb (Rg7)	LPB1	C93200	
2.1096.01			0.00	0.00							84.00	4.00	4.00	4.00		0.00	1705	1400:1973	B62	42 3135P
			0.05	0.10							86.00	6.00	6.00	6.00		0.30	G-CuSn5ZnPb (Rg5)	LG2	C83600	