

Technical supplement

Material cross reference list

Сравнительная таблица обрабатываемых материалов

ISO 513	Country / Страна						k _{c1.1}	m _c	Группа обработ. Gruppen. VDI 3323
	Россия Russian	Великобритания Great Britain	США USA	Германия Germany	Франция France	Испания Spain			
	Standard / Стандарт								
ГОСТ P	BS	AISI/SAE	W.-Nr.	DIN	AFNOR	UNF			
Non-alloy steel / Нелегированная сталь									
15	080M15	1015	1.0401/ 1.1141	C15/ Ck15	11SMnPb28	F.111/ C15K	1350	0.21	1
20	050A20	1020	1.0402	C22	CC20	F.112	1350	0.21	1
	230M07	1213	1.0715	9SMn28	S250	11SMn28	1350	0.21	1
		12L13	1.0718	9SMnPb28	S250Pb	11SMnPb28	1350	0.21	1
A12			1.0722	10SPb20	10PbF2	10SPb20	1350	0.21	1
	240M07	1215	1.0736	9SMn36	S300	12SMn35	1350	0.21	1
		12L14	1.0737	9SMnPb36	S300Pb	12SMnP35	1350	0.21	1
25		1025	1.1158	Ck25			1350	0.21	1
35Г2	150M28	1330	1.1170	28Mn6	20M5		1500	0.22	2
A30	212M36	1140	1.0726	35S20	35MF4	F210G	1525	0.22	2/3
35	060A35	1035	1.0501	C35	CC35	F.113	1525	0.22	2/3
45	080M46	1045	1.0503	C45	CC45	F.114	1525	0.22	2/3
40Г	150M36	1039	1.1157	40Mn4	35M5		1525	0.22	2/3
35ГЛ		1335	1.1167	36Mn5	40M5	36Mn5	1525	0.22	2/3
	060A35	1035	1.1183	Cf35	XC38TS		1525	0.22	2/3
45	080M46	1045	1.1191	Ck45	XC42	C45K	1525	0.22	2/3
50	060A52	1050	1.1213	Cf53	XC48TS		1525	0.22	2/3
55	070M55	1055	1.0535/ 1.1203	C55/ Ck55	XC55	C55K	1675	0.24	3
60	080A62	1060	1.0601	C60	CC55		1675	0.24	3
60Г	080A62	1060	1.1221	Ck60	XC60		1675	0.24	3
Low -alloy steel / Низколегированная сталь									
ШХ15	534A99	52100	1.3505	100Cr6	100C6	F.131	1675	0.24	6/7
15HM	1501-240	ASTM A204Gr.A	1.5415	15Mo3	15000	16Mo3	1675	0.24	6/7
	1503-245-420	4520	1.5423	16Mo5		16Mo5	1675	0.24	6/7
15ГНЛ		ASTMA350LF5	1.5622	14Ni6	16N6	15Ni6	1675	0.24	6/7
12ХН3А		3415	1.5732	14NiCr10	14NC11	15NiCr11	1675	0.24	6/7
20ХН4ФА	655M13;	3415:3310	1.5752	14NiCr14	12NC15		1675	0.24	6/7
18Х2Н4ВА	820A16		1.6587	17CrNiMo6	18NCD6	14NiCrMo13	1675	0.24	6/7
18ХГ	(527M20)	5115	1.7131	16MnCr5	16MC5	16MnCr5	1675	0.24	6/7
15ХМ			1.7262	15CrMo5	12CD4	12CrMo4	1675	0.24	6/7
12ХМ	1501-620Gr27	ASTMA182	1.7335	13CrMo4 4	15CD3.5	14CrMo45	1675	0.24	6/7
12Х2МФА	1501-622	ASTMA182	1.7380	10CrMo910	12CD9,10	TU.H	1675	0.24	6/7
12Х1МФ	1503-660-440		1.7715	14MoV6 3		13MoCrV6	1675	0.24	6/7
20ХГНМ	805M20	8620	1.6523	21NiCrMo22	20NCD2	20NiCrMo2	1725	0.24	6/8
15Х	523M15	5015	1.7015	15Cr3	12C3		1725	0.24	6/8
35Х	530A32	5132	1.7033	34Cr4	32C4	35Cr4	1725	0.24	6/8
20ХМ	1717CDS110	4130	1.7218	25CrMo4	25CD4	55Cr3	1725	0.24	6/8
35ХН2МЛ	640A35	3135	1.5710	36NiCr6	35NC6		1800	0.24	3/9
55С2	250A53	9255	1.0904	55Si7	55S7	56Si7	1775	0.24	6/9
60С2		9262	1.0961	60SiCr7	60SC7	60SiCr8	1775	0.24	6/9
40ХН2МА	816M40	9840	1.6511	36CrNiMo4	40NCD3	35NiCrMo4	1775	0.24	6/9
	311-Type 7	8740	1.6546	40NiCrMo22		40NiCrMo2	1775	0.24	6/9
38ХН2МА	817M40	4340	1.6582	35CrNiMo6	35NCD6		1775	0.24	6/9
40Х	530M40	5140	1.7035	41Cr4	42C4	42Cr4	1775	0.24	6/9
50ХГА	527A60	5155	1.7176	55Cr3	55C3		1775	0.24	6/9
35ХМ	708A37	4137:4135	1.7220	34CrMo4	35CD4	34CrMo4	1775	0.24	6/9
38ХМА	708M40	4140,4142	1.7223	41CrMo4	42CD4TS	42CrMo4	1775	0.24	6/9
40ХН2МА	708M40	4140	1.7225	42CrMo4	42CD4	42CrMo4	1775	0.24	6/9
30ХЗВА	722M24		1.7361	32CrMo12	30CD12	F.124.A	1775	0.24	6/9
50ХФА	735A50	6150	1.8159	50CrV4	50CV4	51CrV4	1775	0.24	6/9
38ХМЮА	905M39		1.8509	41CrAlMo7	40CAD6,12	41CrAlMo7	1775	0.24	6/9
40Х5МФ	897M39		1.8523	39CrMoV13 9			1775	0.24	6/9
9Х2	BL3	L3	1.2067	100Cr6	Y100C6	100Cr6	1775	0.24	6/9
ХВГ			1.2419	105WCr6	105WC13	105WCr5	1775	0.24	6/9
5ХНМ		L6	1.2713	55NiCrMoV6	55NCDV7	F.520.S	1775	0.24	6/9
5ХВ2С	BS1	SI	1.2542	45WCrV7		45WCrSi8	1775	0.24	6/9

ISO 513	Country / Страна						k _{c1.1}	m _c	Группа обработ. Gruppen, VDI 3323	
	Россия Russian	Великобритания Great Britain	США USA	Германия Germany	Франция France	Испания Spain				
	ГОСТ P	BS	AISI/SAE	W.-Nr.	DIN	AFNOR				UNF
P	High-alloy steel / Высоколегированная сталь									
	4X5MФ1C	BH13	H13	1.2344	X40CrMoV51	Z40CDV5	X40CrMoV5	2450	0.23	10/11
		1501-509;510	ASTM A353	1.5662	X8Ni9		XBNI09	2450	0.23	10/11
	15ГН4М		2515	1.5680	12Ni19	Z18N5		2450	0.23	10/11
	18X2H4МА	832M13		1.6657	14NiCrMo134		14NiCrMo131	1675	0.24	10/11
	X12	BD3	D3	1.2080	X210Cr12	Z200C12	X210Cr12	2450	0.23	10/11
	X6BФ	BA2	A2	1.2363	X100CrMoV51	Z100CDV5	X100CrMoV5	2450	0.23	10/11
	3X2B8Ф	BH21	H21	1.2581	X30WCrV9 3	Z30WCV9	X30WCrV9	2450	0.23	10/11
	40X9S2	401 S45	HW3	1.4818	X45GrSi93	Z45CS9	F322	2450	0.23	10/11
	P6M5K5			1.3243	S 6-5-2-5	Z85WDCV	HS6-5-2-5	2450	0.23	10/11
	P18K5Ф2			1.3255	S 18-1-2-5	Z80WKCV	HS18-1-1-5	2450	0.23	10/11
	P6M5			1.3343	S 6-5-2	Z85WDCV	HS6-5-2	2450	0.23	10/11
				1.3348	S 2-9-2	Z100WCWV	HS2-9-2	2450	0.23	10/11
	P18			1.3355	S 18-0-1		HS18-0-1	2450	0.23	10/11
	X12MФ			1.2601	X165CrMoV 12		X160CrMoV12	2450	0.23	10/11
	X12BM			1.2436	X210CrW12		X210CrW12	2450	0.23	10/11
	110Г13Л	Z1201VU2		1.3401	G-X120Mn12	Z120M12	X120Mn12	3300	0.24	11
	Stainless ferritic and martensitic steel / Нержавеющая ферритная и мартенситная сталь									
	08X13	403S17	403	1.4000	X7Cr13	Z6C13	F.3110	1875	0.21	12/13
				1.4001	X7Cr14		F.8401	1875	0.21	12/13
	12X13	410S21	410	1.4006	X10G13	Z10C14	F.3401	1875	0.21	12/13
	12X17	430S17	430	1.4016	X8Cr17	Z8C17	F.3113	1875	0.21	12/13
	40X13	420S45		1.4034	X46Cr13	Z40CM	F.3405	1875	0.21	12/13
		405S17	405	1.4002	X6CrAl13	Z8CA12		1875	0.21	12/13
	20X13	420S37	420	1.4021		Z20C13		1875	0.21	12/13
20X17H12	431 S29	431	1.4057	X22CrNi17	Z15CNi6.02	F.3427	1875	0.21	12/13	
08X18T		430F	1.4104	X12CrMoS17	Z10CF17	F.3117	1875	0.21	12/13	
	434S17	434	1.4113	X6CrMo17	Z8CD17.01		1875	0.21	12/13	
	425C11		1.4313	X5CrNi13 4	Z4CND13.4M		1875	0.21	12/13	
10X13CЮ	403S17	405	1.4724	X10CrAl13	Z10C13	F.311	1875	0.21	12/13	
15X18CЮ	430S15	430	1.4742	X10CrAl18	Z10CAS18	F.3113	1875	0.21	12/13	
95X18	443S65	HNV6	1.4747	X80CrNiSi20	Z80CSN20.02	F.320B	1875	0.21	12/13	
		446	1.4762	X10CrAl24	Z10CAS24		1875	0.21	12/13	
55X20Г9АН4	349S54	EV8	1.4871	X53CrMnNiN219	Z52CMN21.09		1875	0.21	12/13	
Stainless ferritic/martensitic and austenitic steel / Нержавеющая ферритно/мартенситная и аустенитная сталь										
X18H10T	321S12	321	1.4541	X10CrNiTi189	Z6CNT18.10	F.3553	2150	0.2	14.1	
02X18H25M4C3	904S13, 904S14,	N08904	1.4539	X1 NiCrMoCu25 20 5	Z2 CNDU 25.20		2150	0.2	14.1	
	904S92				URANUS B6					
02X25H22AM2		310MoLN, N08310,	1.4465	X1CrNiMoN 25 22 2	Z2 CND25.22 Az		2150	0.2	14.1	
		S31050			CLI UREA 25.22.2					
03X17H14M3	316S13	316L	1.4404,	X2CrNiMo1812,	Z2CND17.12		2150	0.2	14.1	
			1.4435	X2CrNiMo18 14 3						
03X18H11	304S11	304L	1.4306	X2CrNi1911	Z2CN18-10		2150	0.2	14.1	
06XH28MДТ		N08028	1.4563	X1 NiCrMoCuN31274	Z1NCDU31-27-03		2150	0.2	14.1	
08X18H10	304S15	304	1.4301	X6CrNi189	Z6CN18.09	F.3551	2150	0.2	14.1	
08X18H12B	347S17	347	1.4550	X10CrNiNb189	Z6CNNb18.10	F.3552	2150	0.2	14.1	
09X17H7Ю1	316S111	17-7PH	1.4568	X7 CrNiAl 17 7	Z8CNA17-07		2150	0.2	14.1	
10X17H13M2T	320S17	316Ti, 318	1.4571,	X10CrNiMoTi1810,	Z6NDT17.12,	F.3535	2150	0.2	14.1	
		318	1.4583	X10CrNiMoNb1812	Z6CNDNb1713B					
10X23H18	310S24	310S	1.4845	X12CrNi25 21	Z12CN25 20	F.331	2150	0.2	14.1	
12X18H9	303S21	301, 303	1.4305,	X12CrNiS188,	Z10CNF 18.09,	F.3508,	2150	0.2	14.1	
			1.4310	X12CrNi177	Z12CN17.07	F.3517				
15X23H18Л			1.4840	G-X15 CrNi 25 20			2150	0.2	14.1	
15X25T		S44600	1.4746				2150	0.2	14.1	
15X28		S44600	1.4749		X18 CrN28		2150	0.2	14.1	
20X23H13	309S24				Z10CNS25.20		2150	0.2	14.1	

ISO 513	Country / Страна							k _{c1.1}	m _c	Группа обработ. Gruppen. VDI 3323
	Россия Russian	Великобритания Great Britain	США USA	Германия Germany	Франция France	Испания Spain				
	Standard / Стандарт									
ГОСТ Р	BS	AISI/SAE	W.-Nr.	DIN	AFNOR	UNF				
M	20X23H18, (20X25H20C2)	310, 310S24, 314S25	S31000, S31400, J24202	1.4841	X15CrNiSi2520	Z15CNS25-20		2150	0.2	14.1
						314, SIRIUS 310, 4841, SIRIUS 314		2150	0.2	14.1
	40X24H1CЛ	309C30	J93503, J94003, J94013	1.4837	G-X40 CrNiSi 25 12			2150	0.2	14.1
	-	304S11	316	1.4436	X5CrNiMo17 13 3	Z6CND18-12-03		2150	0.2	14.1
	-	317S12	317L	1.4438	X2CrNiMo18 16	Z2CND18.15		2150	0.2	14.1
	12X25H5TMФЛ		S31200, S32900	1.4460	X3 GrNiMo 27 5	Z3CND25-07		2150	0.2	14.2
	-	3RE60	S31500	1.4417	X2 GrNiMoSi 19 5	GX2CrNiMoN25-7-3		2150	0.2	14.2
	-			1.4462	X2 GrNiMoN 22 5 3	Z2CND22-05-03		2150	0.2	14.2
	-			1.4821	X20 GrNiSi 25 4	Z20CNS25.04		2150	0.2	14.2
	-			1.4823	G-X40CrNiSi27 4			2150	0.2	14.2
K	Grey cast iron / Серый чугун									
	Сч10		No 20 B	0.6010	GG10	Ft10D		1150	0.2	15
	Сч15	Grade 150	No 25 B	0.6015	GG15	Ft15D		1150	0.2	15
	Сч20	Grade 220	No 30 B	0.6020	GG20	Ft20D		1150	0.2	15
	Сч25	Grade 260	No 35 B	0.6025	GG25	Ft25D		1250	0.24	15/16
	Сч30	Grade 300	No 45 B	0.6030	GG30	FT30D		1350	0.28	16
	Сч35	Grade 350	No 50 B	0.6035	GG35	Ft35D		1350	0.28	16
	Сч40	Grade 400	No 55 B	0.6040	GG40	Ft40D		1350	0.28	16
	Nodular cast iron / Высокопрочный чугун									
	Вч42-12	SNG 420/12	60-40-18	0.7040	GGG40	FCS 400-12		1225	0.25	17
				0.7033	GGG 35.3			1225	0.25	17
		SNG 370/17		0.7043	GGG 40.3	FGS 370-17		1225	0.25	17
	Вч50-2	SNG 500/7	80-55-06	0.7050	GGG 50	FGS 500-7		1350	0.28	18
	Вч60-2	SNG 600/3		0.7060	GGG 60	FGS 600-3		1350	0.28	18
	Вч70-2	SNG 700/2	100-70-03	0.7070	GGG 70	FGS 700-2		1350	0.28	18
	Malleable cast iron / Ковкий чугун									
	Кч35-10	B 340/12	32510	0.8135	GTS-35	MN 35-10		1225	0.25	19
	Кч45-6	P 440/7	40010	0.8145	GTS-45			1420	0.3	20
	Кч55-4	P 510/4	50005	0.8155	GTS-55	MP 50-5		1420	0.3	20
	Кч60-3	P 570/3	70003	0.8165	GTS-65	MP 60-3		1420	0.3	20
N	Aluminium wrought alloys / Алюминиевые деформируемые сплавы									
	1350	6082	1350, A96351, AA6003, AA6007, AA6351		AlMgSi1	A-SGM0.7	6351	700	0.25	21
	1400 (1401, 3000)	3103	3003, A93003, AA3003, AA3009, AA3011, AA3103, AA3107, AA3303, AA3307		3003, AlMn1, AlMnCu	A-M1	3003, Al-1Mn	700	0.25	21
	1420							700	0.25	22
	1530	5154A	5154A, A95154, A95754, AA5154, AA5254, AA5654, AA5754, AlMg3.5		5754, AlMg3, S-AlMg3, SG-AlMg3	5154, A-G3M, Al-3Mg	5154A, Al-3Mg	700	0.25	21
	1933		AA7076					700	0.25	22
	AB	6061	6061, 6151, A96010, A96070, A96151, AA6009, AA6011, AA6013, AA6061, AA6070, AA6151, AA6351		AlMg1SiCu	A-GSUS	6351	700	0.25	22
	AD0		1050, 1055, 1060, 1065, 1250, 1350	3.0205	Al99.5 Al99.98R			700	0.25	21

ISO 513	Country / Страна							k _{c1.1}	m _c	Группа обработ. Gruppen. VDI 3323
	Россия Russian	Великобритания Great Britain	США USA	Германия Germany	Франция France	Испания Spain				
	Standard / Стандарт									
ГОСТ Р	BS	AISI/SAE	W.-Nr.	DIN	AFNOR	UNF				
АД1		A91030, A91230		Al99.3			700	0.25	21	
		AA1230								
АД31 (1310, 1320)	6060, 6063, 6443, 91E, HE9, HF9, HG9, HT9	6060, 6101, A96005, A96060, A96063, A96101, A96201, A96463, AA6005, AA6017, AA6060, AA6063, AA6101, AA6105, AA6162, AA6201, AA6301, AA6463,	3.2316	6060, AlMgSi0.5 AlMgSi0.8	6063, A-GS	6063, A-GS	700	0.25	22	
АД33 (1330, 1340)	6061, HB20, HE20, HG20, L117	A96061, A96205, A96262	3.3315	AlMg1SiCu 6061	6061, A-GSUC A-SGM0.3		700	0.25	22	
АК4-1		A92618, AA2018, AA2218, AA2618					700	0.25	22	
АК6							700	0.25	22	
АК7		A03570, A444.0					700	0.25	22	
АК8 (1380)	2014A	358.0, A92014, AA2014, AA2214		2014, AlCu4SiMg AlCuSiMn		2014	700	0.25	22	
АМr2 (1520)	2L55, 5251	A95052, AA5051, AA5151, AA5251, AA5252, AA5351, AA5352, AA5454, AA5552, AA5652		5052, 5251, AlMg2, AlMg2.5, AlMg2Mn0.3	5051, 5052, 505203, A-G2.5C, A-G2M	5052, Al-2Mg	700	0.25	21	
АМr4 (1540, 1541)		A95086, AA5082, AA5083, AA5086		5086, AlMg4.5Mn AlMg4, AlMg4Mn	5086, A-G4MC	5086, Al-4Mg	700	0.25	21	
АМr5 (1550, 1556)	5056, 5056A, A56S, NB6, NG6, NR6	A95056, AA5019, AA5056, AA5356, AA5456, AA5556		5019, AlMg5			700	0.25	21	
АМr6 (1560)	NG61	A95456, A95556		AlMg6	AlMg5Mn	Al-6Mg	700	0.25	21	
B93							700	0.25	22	
B95 (1950)	C77S, M75S	AA7075, AA7175, AA7475		AlZnMgCu1.5	A-Z5GU		700	0.25	22	
B96ц пч		AA7049					700	0.25	22	
ВД19							700	0.25	22	
Д1 (1110)		A91110, A92017, AA1110, AA2014, AA2017		AlCu4MgSi AlCuMg1, AlCuSiMn	1110, 131050, A-U4SG	Al-4CuSiMg	700	0.25	22	
Д16 (1160)	2024	A92024, A92124, AA2024, AA2124	3.1325	2024, AlCuMg2	A-U 4G1	2024	700	0.25	22	
Д19							700	0.25	23	
Aluminium cast alloys / Алюминиевые литые сплавы										
АК5М4	LM21		3.2551	G-AlSi6Cu4			700	0.25	24	
АЛ2	AlSi12	A04132, A94047, A413.0, B413.0, LM20, LM6	3.2581	GK-AlSi12, AlSi12, G-AlSi12	A-S12, A-S13, AlSi12	Al-12SiFe	700	0.25	25	
АЛ4		360.0, A03600, A360.0	3.2381	G-AlSi10Mg	A-S9GU		700	0.25	24	
АЛ5	LM16	305.0		G-AlSi5Mg GK-AlSi5MgWa		Al-5SiCuMg	700	0.25	24	
АЛ5-1		A305.0					700	0.25	24	
АЛ9		356, A03560					700	0.25	24	
АЛ9-1	LM25	356, A03560	3.2371	G-AlSi7Mg		AlSi7Mg	700	0.25	24	
АЛ19				AlCu4Ti			700	0.25	23	

ISO 513	Country / Страна							k _{c1.1}	m _c	Группа обработ. Gruppen. VDI 3323	
	Россия Russian	Великобритания Great Britain	США USA	Германия Germany	Франция France	Испания Spain					
	Standard / Стандарт										
ГОСТ Р	BS	AISI/SAE	W.-Nr.	DIN	AFNOR	UNF					
N	АЛ22							700	0.25	23	
	АЛ24		A07070				707	700	0.25	23	
	АЛ27	LM10	520, A05200		G-AlMg10			700	0.25	24	
	АЛ30	LN13	A03360		AlSi12CuNiMg	A-Si12UGN		700	0.25	23	
	АЛ32		A03280					700	0.25	24	
	АЛ34		358.0					700	0.25	24	
	АМг4К1,5М			3.3261	G-AlMg5Si			700	0.25	24	
	ВАЛ8		A380.0, A380.1	3.2163	G-AlSi9Cu3			700	0.25	24	
	Copper alloys / Медные сплавы										
	ЛС60-2	CZ124	C35330, C36000	2.0375	CuZn36Pb3	CuZn36Pb3			700	0.27	26
ЛС63-3	CZ119	C35300, C35600						700	0.27	26	
ЛО62-1	CZ112	C46200, C46400		CuZn38Sn1				700	0.27	27	
ЛМц58-2		C67410		CuZn40Mn2				700	0.27	27	
Л63	CZ108	C27200	2.0321	CuZn37	CuZn36, CuZn37			700	0.27	27	
Л70	CZ106	C26000	2.0265	CuZn30	CuZn30			700	0.27	27	
Л85	CZ102	C23000	2.0240	CuZn15	CuZn15			700	0.27	27	
БрАЖН10-4-4	Ca104	C63000	2.0966	CuAl10Ni5Fe4	U-A10N			700	0.27	28	
БрОФ6,5-0,15	C11, PB103	C51900, C51980		CuSn6	CuSn6P			700	0.27	28	
БрОФ7-0,2		C52100		CuSn8	CuSn8, CuSn8P			700	0.27	28	
БрОЦС 4-4-4		C54400			CuSn4Zn4Pb5			700	0.27	28	
Heat resistant alloys / Жаропрочные сплавы											
S	ХН32Т	NA15, NA15H	INCOLOY 800,	1.4876,	X10 NiCrAlTi 32 20	SIRIUS 800,		2600	0.24	31	
			N08332, N08800,	1.4958,		Z10 NC32-21,					
			N08810, RA330TX	1.4959		Z8 NC 33-21					
	-	37/18, NA17	INCOLOY DS,	1.4864	X12 NiCrSi 36 16	Z20 NCS 33-16,		2600	0.24	31	
			N08830			Z12 NCS 35-16					
	-	330C11, 331C40	N08002, N08004	1.4865	G-X40NiCrSi			2600	0.24	31	
			N08030, N08005								
	ЭК77		08028	1.4563	X1 NiCrMoCuN 31 27 4	Z2 NCDU 31-27,		2600	0.24	31	
						URANUS B28					
	-		5390A, N06002,	2.4603	NiCr21Fe18Mo	NC22FeD		3300	0.24	33	
			HASTELLOY G-30								
	-		INCONEL 625, 5666,	2.4856	NiCr22Mo9Nb	NC22FeDNb		3300	0.24	33	
			N06625, N26625								
	ХН38ВТ	NA14, NA16	INCONEL 825,	2.4858	NiCr21Mo			3300	0.24	33	
			N08825								
	ХН77ТЮР	2R201, NA20	NIMONIC 80, HEV5,	2.4631	NiCr20TiAl	NC20TA		3300	0.24	33	
			N07080								
	ХН78Т	NA14	INCONEL 600		Nicrofer 7216			3300	0.24	33	
	-		NIMONIC 901	2.4662	NiFe35Cr14MoTi	ZSNCDT42		3300	0.24	33	
	-		INCONEL X-750,	2.4669	NiCr15Fe7TiAl	NC15 TNb A,		3300	0.24	35	
		688, N07750			NC15 Fe7TA						
-		IN-713, N07713	2.4670	S-NiCr13A16MoNb	NC12AD		3300	0.24	34		
-		INCONEL 718,	2.4668	NiCr19Fe19NbMo	NC19 Fe Nb,		3300	0.24	34		
		XEV-1, N07718			NC20K14						
-	3072-76, NA18	4676A, N05500,	2.4375	NiCu30Al	NC19eNB,		3300	0.24	34		
		MONEL K-500			NU30 AT						
-		AMS 5399	2.4973	NiCr19Co11MoTi	NC19KDT		3300	0.24	34		
-			2.4674	NiCo15Cr10MoAlTi			3300	0.24	34		
ХН73МБТЮ-ВД		INCONEL 751	2.4694	NiCr16Fe7TiAl			3300	0.24	35		
-	ANC15	HASTELLOY C(B)	2.4810	G-NiMo3	Ni-Mo28		3300	0.24	33		
-	HR240	Stellite No. 25	2.4964	CoCr20W15Ni	KC20WN		3300	0.24	35		

ISO 513	Country / Страна							k _{c1.1}	m _c	Группа обработ. Gruppen. VDI 3323
	Россия Russian	Великобритания Great Britain	США USA	Германия Germany	Франция France	Испания Spain				
	Standard / Стандарт									
	ГОСТ P	BS	AISI/SAE	W.-Nr.	DIN	AFNOR	UNF			
S	<i>Titanium alloys / Титановые сплавы</i>									
	BT1-00	2TA.1, 2TA.4	R50250, R52400	3.7025	Ti1, Ti1Pd	T-35	L7021	2110	0.22	36
	BT3-1							2110	0.22	37
	BT5-1	BS TA.14,	R54520	3.7115	TiAl5Sn2.5	T-A5E	L7101	2110	0.22	37
		BS TA.15,	5Al-2.5Sn							
		BS TA.16,								
		BS TA.17,								
	BT6	BS 2TA.11,	AMS R56400,	3.7165	TiAl6V4	T-A6V		2110	0.22	37
		BS 2TA.12,	AMS R56407,		Ti-6Al-4V					
		BS 2TA.13,	6Al-4V, ERTi-5,							
		BS TA.56,	F467, F468							
		BS TA.59,								
	BT18y							2110	0.22	37
	BT20							2110	0.22	37
	BT22							2417	0.24	37
BT23							2417	0.23	37	
BT25							2440	0.23	37	