



Metal materials commonly used brand of table

EASTCASTING CO., LTD.

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High-quality carbon structural steel

NO	GB 699	Г О С Т	ASTM AISI	BS	NF	DIN	JIS	ISO 683/1
1	08F	08 K II				Ust14	SPH1	
2	08	08	1008	040A04 050A04			S9CK	
3	10F	10 K II				Ust13	SHP2	
4	10	10	1010	040A10 045A10 060A10	C10, XC10	C10, CK10	S10C	
5	15F	15 K II					SHP3	
6	15	15	1015	040A15 050A15 060A15	C15, XC15	C15, CK15	S15C S15CK	
7	20	20	1020	040A20 050A20 060A20	C20, XC18	C22, CK22	S20C	
8	25	25	1025	060A25 070M26	C25, XC25	C25, CK25	S25C	C25, C25E4, C25M2
9	30	30	1030	060A30	C30, XC32	C30, CK30	S30C	C30, C30E4, C30M2
10	35	35	1035	060A35	C35, XC35	C35, CK35	S35C	C35, C35E4, C35M2
11	40	40	1040	060A40	C42, XC42	C40, CK40	S40C	C40, C40E4, C40M2
12	45	45	1045	060A42 060A47	C45, XC45	C45, CK45	S45C	C45, C45E4, C45M2
13	50	50	1049 1050	060A52	C50, XC48	C50, CK50	S50C	C50, C50E4, C50M2
14	55	55	1055	060A57 070M35	C55, XC55	C55, CK55	S55C	C55, C55E4, C55M2
15	60	60	1060	060A62	C60, XC60	C60, CK60	S58C	C60, C60E4, C60M2
16	65	65	1064 1065	060A67	C65, XC65	C67, CK67		
17	70	70	1069 1070	060A72 070A72	C70, XC70	C70, CK70		
18	75	75	1074 1075	060A78 070A78	XC75	C75, CK75		
19	80	80	1080	060A83	XC80	CK80		
20	85	85	1084 1085	050A86 060A86	XC85	CK85		
21	15Mn	15 Г	1016	080A15 080A17	XC12	14Mn4 15Mn3		
22	20Mn	20 Г	1019 1022	080A20 080A22	XC18	19Mn5 20Mn5 21Mn4		
23	25Mn	25 Г	1025 1026	080A25 080A27		26Mn5		
24	30Mn	30 Г	1033	080A30 080M30	XC32	30Mn4 31Mn4 30Mn5		
25	35Mn	35 Г	1037	080A35 080M36		35Mn4 35Mn5		
26	40Mn	40 Г	1039	080A40 080M40	40M5	40Mn4		
27	45Mn	45 Г	1046	080A47 080M46		46Mn5		
28	50Mn	50 Г	1053 1051	080A52 080M50	XC48	50Mn5 52Mn5		
29	60Mn	60 Г	1062 1061	080A57 080A62		CK60		
30	65Mn	65 Г	1566	080A67		65Mn4		
31	70Mn	70 Г	1572	080A72				

Alloy Steel Structure

NO	GB 699	Г О С Т	ASTM AISI	BS	NF	DIN	JIS	ISO 683/1
32	20Mn2	20 Г 2	1320 1321	150M19	20M5	20Mn5	SMn21	
33	30Mn2	30 Г 2	1330	150M28	32M5	30Mn5	SMn24	
34	35Mn2	35 Г 2	1335	150M36	35M5	36Mn5	SMn1	
35	40Mn2	40 Г 2	1340 1341		40M5		SMn2	
36	45Mn2	45 Г 2	1345		45M5	46Mn7	SMn3	
37	50Mn2	50 Г 2	1052		55M5	50Mn7		
38	20MnV					20MnV6		
39	27SiMn	27C Г				27MnSi5		
40	35SiMn	35C Г			38MS5	37MnSi5		
41	42SiMn	43C Г			38MS5	38MnSi4 46MnSi4		
42	40B		14B35			35B2		
43	45B		50B46H			45B2		
44	50B		14B50					
45	40MnB		15B41		38MB5	40MB4		
46	45MnB		15B48 50B44					
47	15Cr	15X	5015 5115	523A14 523M15	12C3	15Cr3	SCr21	
48	20Cr	20X	5120	527A19 527M20	18C3, 18C4	20Cr4	SCr22	683/11 20Gr4, 20GrS4
49	30Cr	30X	5130	530A30 530A32	28C4, 32C4	28Cr4	SCr2	
50	35Cr	35X	5135	530A36	38C4	34Cr4, 37Cr4	SCr3	683/3 3, 3a, 3b
51	40Cr	40X	5140	530A40 530M40	42C4	41Cr4	SCr4	683/1 4, 4a, 4b
52	45Cr	45X	5145		45C4	42Cr4	SCr5	
53	38CrSi	37XC 38XC						
54	12CrMo	12XM	4119		12CD4	13CrMo4. 4		
55	15CrMo	15XM	A-387Cr. B	1653	15CD4. 05	15CrMo5 16CrMo4. 4	SCM21	
56	20CrMo	20XM	4118	CDS12, CDS110	18CD4, 20CD4	20CrMo5 22CrMo4	SCM22	
57	30CrMo	30XM	4130	CDS13	30CD4	25CrMo4	SCM2	
58	35CrMo	35XM	4135 4137	708A37	35CD4	34CrMo4 35CrMo4	SCM3	683/1 C35ea, C35eb
59	42CrMo	38XM	4140 4142	708M40 708A42 709M40	40CD4 42CD4	41CrMo4 42CrMo4	SCM4	683/1 3
60	12CrMoV	12XMΦ						
61	12Cr1MoV	12X1MΦ				13CrMoV4. 2		
62	25Cr2Mo1VA	25X2M1 Φ A						
63	20CrV	20XΦ	6120		22CrV4	22CrV4		
64	40CrV	40XΦ A	6140		42CrV4	42CrV		
65	50CrVA	50XΦ A	6150	735A50	50CV4	50CrV4	SUP10	
66	15CrMn	15X Г 18X Г			16MC5	16MnCr5		
67	20CrMn	20X Г	5120	527A60	20MC5	20MnCr5	SMC21	
68	30CrMnSiA	30X Г CA						
69	40CrNi	40XH	3140	640A35 640M40	35NC6	46NiCr6	SNC1	
70	20CrNi3	20XH3			20NC11	22NiCr14		
71	30CrNi3	30XH3		653M31	30NC11 30NC12	28NiCr10 31NiCr14	SNC2	
72	40CrNiMoA	40XHMA	4340, 9810	871M40 816M40	35NCD5 40NCD3	36NiCrMo4 40NiCrMo6	SNCM8	683/1 4, 4a, 4b

Stainless Steel

NO	GB 699	Г O C T	ASTM AISI	BS	NF	DIN	JIS	ISO 683/1
73	1Cr18Ni9	12X18H9	302 S30200	302S25	Z10CN18.09	X12CrNi188	SUS302	12
74	Y1Cr18Ni9		303 S30300	303S21	Z10CNF18.09	X12CrNiS188	SUS303	17
75	0Cr19Ni9	08X18H10	304 S30400	304S15	Z6CN18.09	X5CrNi189	SUS304	11
76	00Cr19Ni10	03X18H11	304L S30403	304S12	Z2CN18.09	X2CrNi189	SUS304L	10
77	0Cr18Ni9Ti	08X18H10T	321 S32100	321S12 321S20	Z6CNT18.10	X10CrNiTi189	SUS321	15
78	0Cr13Al		405 S40500	405S17	Z6CA13	X7CrAl13	SUS405	2
79	1Cr17	12X17	430 S43000	430S15	Z8C17	X8Cr17	SUS430	8
80	0Cr13	08X13	410S	403S17	Z6C13	X7Cr13	SUS410S	1
81	1Cr13	12X13	410	410S21	Z12C13	X10Cr13	SUS410	3
82	2Cr13		420 S42000	420S37	Z20C13	X20Cr13	SUS420J1	4
83	3Cr13	30X13	420 S45	420S45			SUS420J2	5
84	7Cr17		440A S44002				SUS440A	
85	0Cr17Ni7Al	09X17H7Ю	631 S17700		Z8CNA17.7	X7CrNiAl177	SUS631	683/16 2
86	2Cr23Ni13	20X23H12	309 S30900	309S24	Z15CN24.13		SUH309	
87	2Cr25Ni20	20X25H20C2	310 S31000	310S24	Z12CN25.20	CrNi2520	SUH310	
88	0Cr25Ni20		310S S31008				SUS310S	
89	0Cr17Ni12Mo2	08X17H13M2T	316 S31600	316S16	Z6CND17.12	X5CrNiMo1810	SUS316	20, 20a
90	0Cr18Ni11Nb	08X18H12E	347 S34700	347S17	Z6CNNb18.10	X10CrNiNb189	SUS347	16
91	1Cr13Mo						SUS410J1	
92	1Cr17Ni2	14X17H2	431 S43100	431S29	Z15CN16-02	X22CrNi17	SUS431	9
93	0Cr17Ni7Al	09X17H7Ю	631 S17700		Z8CNA17.7	X7CrNiAl177	SUS631	683/16 2

Ductile iron

NO	GB 699	Г O C T	ASTM AISI	BS	NF	DIN	JIS	ISO 683/1
94	QT400-18	BЧ40	60-40-18	400/17	FGS370-17	GGG40	FCD400	400-18
95	QT450-10	BЧ45	65-45-12	420/12	FGS400-12		FCD450	450-10
96	QT500-7	BЧ50	70-50-05	500/7	FGS500-7	GGG50	FCD500	500-7
97	QT600-3	BЧ60	80-60-03	600/7	FGS600-2	GGG60	FCD600	600-3
98	QT700-2	BЧ70	100-70-03	700/2	FGS700-2	GGG70	FCD700	700-2
99	QT800-2	BЧ80	120-90-02	800/2	FGS800-2	GGG80	FCD800	800-2
100	QT900-2	BЧ100		900/2				900-2

Gray iron

NO	GB 699	Г O C T	ASTM AISI	BS	NF	DIN	JIS	ISO 683/1
101	HT100	СЧ10		100			FC100	100
102	HT150	СЧ15	NO. 20	150	FGL150	GG15	FC150	150
103	HT200	СЧ20	NO. 30	200	FGL200	GG20	FC200	200
104	HT250	СЧ25	NO. 35	250	FGL250	GG25	FC250	250
105	HT300	СЧ30	NO. 45	300	FGL300	GG30	FC300	300
106	HT350	СЧ35	NO. 50	350	FGL350	GG35	FC350	350
107		СЧ40	NO. 60		FGL400	GG40		

Copper alloy

NO	GB 699	Г O C T	ASTM AISI	BS	NF	DIN	JIS	ISO 683/1
108	TU2		C10100	C101		OF-Cu	C1011	Cu-OF

109	T2	M1	C11000	C101		E-Cu58	C1100	Cu-FRHC
110	TP2		C12200	C106		SF-Cu	C1220	Cu-DHP
111	TP1		C12000			SW-Cu	C1201	Cu-DLP
112	TAg0.1		C10400			CuAg0.1	C1040	CuAg0.1
113	H90	JI90	C22000	CZ101		CuZn10	C2200	CuZn10
114	H70	JI70	C26000	CZ106	CuZn30	CuZn30	C2600	CuZn30
115	H68	JI68	C26200			CuZn33	C2620	
116	H65		C27000	CZ107		CuZn36	C2700	CuZn35
117	H63	JI63	C27200	CZ108		CuZn37	C2720	CuZn37
118	H62	JI62	C28000	CZ109	Cu-Zn40		C2800	CuZn40
119	QSn4-0.3		C51100 C51000	PB101		CuSn4 CuSn5	C5111 C5101	CuSn4 CuSn5
120	QSn6.5-0.1		C51900	PB103		CuSn6	C5191	CuSn6
121	QSn8-0.3		C52100			CuSn8	C5210	CuSn8
122	QSn6.5-0.4				CuSn6P	CuNi18Zn20		
123	BZn18-18		C75200	NS106		CuNi18Zn27	C7521	CuNi18Zn20
124	BZn18-26		C77000	NS107			C7701	CuNi18Zn27
125	BZn15-20						C7541	
126	BZn18-10						C7350	

Aluminum alloy

NO	GB 699	Г О C T	ASTM AISI	BS	NF	DIN	JIS	ISO 683/1
127	5A02	AMg	5052	NS4	5052	A1Mg2.5	5052	
128	5A03	AMg3		NS5				
129	5A05	AMg5V	5056	NB6		A1Mg5	5056	
130	5A30		5456	NG61	5957		5556	
131	2A01	D18	2036		2117	AlCu2.5Mg0.5	2117	
132	2A11	D1		HF15	2017S	AlCuMg1	2017	
133	2A12	D16AVTV	2124		2024	AlCuMg2	2024	
134	2B16		2319					
135	2A80	AK4					2N01	
136	2A90	AK2	2218				2018	
137	2A14	AK8	2014		2014	AlCuSiMn	2014	
138	7A09	V95P	7175		7075	AlZnMgCu1.5	7075	
139	ZL101	А л 9	A03560 A13560	LM25	A-S7G	G-A1Si7Mg	AC4C	A1Si7Mg
140	ZL102	А л 2	A14130	LM20	A-S13	G-A1Si12	AC3A	A1-Si12
141	ZL104	А л 4	A03600	LM9	A-S9G A-S10G	G-A1Si10Mg	AC4A	A1Si9Mg A1Si10Mg
142	ZL105	А л 5	A03550 C33550	LM16		G-A1Si5Cu	AC4D	
143	ZL106	А л 14B	A03280 A03281	LM-24		G-A1Si8Cu3	AC4B	
144	ZL107	А л 6/Ал74	A03190 A03191	LM4 LM21	A-S5UZ A-S903	G-A1Si6Cu4	AC2B	
145	ZL108		SC122A	LM2				
146	ZL109	А л 30	A03360 A03361	LM13	A-S12UNG		AC8A	A1-Si12Cu
147	ZL110	А л 10B		LM1		G-A1Si(Cu)		
148	ZL111	А л 4M	A03540 A03540					
149	ZL201	А л 19			A-U5GT	G-A1Cu4TiMg		A1-Cu4MgTi
150	ZL202	А л 12	A03600		A-U8S			A1-Si8Cu
151	ZL203	А л 17	A02950		A-U5GT	G-A1Cu4Ti		A1-Cu4MgTi
152	ZL301	А л 8	A05200 A05202	LM10 LM5		G-A1Mg10	AC7B	
153	ZL302	А л 22	A05140 A05141	L74	A-G6 A-G3T	G-A1Mg5	AC7A	A1-Mg6 A1-Mg3
154	ZL401	А л P1						
155	ZL402	А л 24	A07120 A07122		A-Z5G			A1-Zn5Mg
156	Y102		S12A	LM6-M		GD-A1Si12	ADC1	A1-Si12Fe

15Cr	0.12-0.18	0.17-0.37	0.40-0.70				0.70-1.00		
20Cr	0.18-0.24	0.17-0.37	0.50-0.80				0.70-1.00		
30Cr	0.27-0.34	0.17-0.37	0.50-0.80				0.80-1.00		
35Cr	0.32-0.39	0.17-0.37	0.50-0.80				0.80-1.00		
40Cr	0.37-0.44	0.17-0.37	0.50-0.80				0.80-1.00		
45Cr	0.42-0.49	0.17-0.37	0.50-0.80				0.80-1.00		
38CrSi	0.35-0.43	0.17-0.37	0.30-0.60				1.30-1.60		
12CrMo	0.08-0.15	0.17-0.37	0.40-0.70				0.40-0.70		Mo 0.40-0.55
15CrMo	0.12-0.18	0.17-0.37	0.40-0.70				0.80-1.10		Mo 0.40-0.55
20CrMo	0.17-0.24	0.17-0.37	0.40-0.70				0.80-1.10		Mo 0.15-0.25
30CrMo	0.26-0.34	0.17-0.37	0.40-0.70				0.80-1.10		Mo 0.15-0.25
35CrMo	0.32-0.40	0.17-0.37	0.40-0.70				0.80-1.10		Mo 0.15-0.25
40CrMo	0.38-0.45	0.17-0.37	0.50-0.80				0.90-1.20		Mo 0.15-0.25
12CrMoV	0.08-0.15	0.17-0.37	0.40-0.70				0.30-0.60		Mo0.25-0.35 V0.15-0.30
12Cr1MoV	0.08-0.15	0.17-0.37	0.40-0.70				0.90-1.20		Mo0.25-0.35 V0.15-0.30
25Cr2Mo1VA	0.22-0.29	0.17-0.37	0.50-0.80				2.1-2.50		Mo0.90-1.10 V0.30-0.50
20CrV		0.17-0.37							
40CrV	0.37-0.44	0.17-0.37	0.50-0.80				0.80-1.10		V 0.10~0.20
50CrVA	0.47-0.54	0.17-0.37	0.50-0.80				0.80-1.10		V 0.10~0.20
15CrMn	0.12-0.18	0.17-0.37	1.10-1.40				0.40-0.70		
20CrMn	0.17-0.23	0.17-0.37	0.90-1.20				0.90-1.20		
30CrMnSiA	0.27-0.34	0.90-1.20	0.80-1.10				0.80-1.10		
40CrNi	0.37-0.44	0.17-0.37	0.50-0.80			1.00-1.40	0.45-0.75		
20CrNi3	0.17-0.44	0.17-0.37	0.30-0.60			2.75-3.15	0.60-0.90		
30CrNi3	0.27-0.33	0.17-0.37	0.30-0.60			2.75-3.15	0.60-0.90		
40CrNiMoA	0.37-0.44	0.17-0.37	0.50-0.80			1.25-1.65	0.60-0.90		Mo 0.15~0.25

Stainless Steel Structure Chemical Composition

GB	C	Si	Mn	P	S	Ni	Cr	Cu	others
1Cr18Ni9	≤0.15	≤1.00	≤2.00	≤0.035	≤0.030	8.00-10.00	17.00-19.00		
Y1Cr18Ni9	≤0.15	≤1.00	≤2.00	≤0.20	≤0.15	8.00-10.00	17.00-19.00		
0Cr19Ni9	≤0.07	≤1.00	≤2.00	≤0.035	≤0.030	8.00-11.00	17.00-19.00		
00Cr19Ni10	≤0.030	≤1.00	≤2.00	≤0.035	≤0.030	8.00-12.00	18.00-20.00		
0Cr18Ni9Ti	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	9.00-12.00	17.00-19.00		
0Cr13Al	≤0.08	≤1.00	≤1.00	≤0.035	≤0.030		11.50-14.50		Al 0.10~0.30
1Cr17	≤0.12	≤0.75	≤1.00	≤0.035	≤0.030		16.00-18.00		
0Cr13	≤0.08	≤1.00	≤1.00	≤0.035	≤0.030		11.50-13.00		
1Cr13	≤0.15	≤1.00	≤1.00	≤0.035	≤0.030		11.50-13.00		
2Cr13	0.16~0.25	≤1.00	≤1.00	≤0.035	≤0.030		12.00-14.00		
3Cr13	0.26~0.35	≤1.00	≤1.00	≤0.035	≤0.030		12.00-14.00		
7Cr17	0.60~0.75	≤1.00	≤1.00	≤0.035	≤0.030		16.00-18.00		
0Cr17Ni7Al	≤0.09	≤1.00	≤1.00	≤0.035	≤0.030	6.50-7.75	16.00-18.00	≤0.50	Al 0.75~1.50
2Cr23Ni13	≤0.20	≤1.00	≤2.00	≤0.035	≤0.030	12.00-15.00	22.00-24.00		
2Cr25Ni20	≤0.25	≤1.50	≤2.00	≤0.035	≤0.030	19.00-22.00	24.00-26.00		
0Cr25Ni20	≤0.08	≤1.50	≤2.00	≤0.035	≤0.030	19.00-22.00	24.00-26.00		
0Cr17Ni12Mo2	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	10.00-14.00	16.00-18.00		Mo 2.00~3.00
0Cr18Ni11Nb	≤0.08	≤1.00	≤2.00	≤0.035	≤0.030	9.00-13.00	17.00-19.00		
1Cr13Mo	0.08~0.18	≤0.60	≤1.00	≤0.035	≤0.030		11.50-14.00		
1Cr17Ni2	0.11~0.17	≤0.80	≤0.80	≤0.035	≤0.030	1.50-2.50	16.00-18.00		
0Cr17Ni7Al	≤0.09	≤1.00	≤1.00	≤0.035	≤0.030	6.50-7.50	16.00-18.00	≤0.50	Al 0.75~1.50

Copper alloy Chemical Composition

GB	Fe	Pb	Mn	Sn	Al	Ni	Zn	Cu	
TU2	0.004	0.004		0.002		0.002	0.003	99.95	
T2	0.005	0.005						99.90	
TP2								99.9	
TP1								99.90	
TAg0.1	0.05	0.01		0.05		0.2		99.5	
H90	0.1	0.03				0.5		88.0-91.0	

H70	0.1	0.03				0.5		68.5-71.5	
H68	0.1	0.03				0.5		67.0-70.0	
H65	0.1	0.03				0.5		63.5-68.0	
H63	0.15	0.08				0.5		62.0-65.0	
H62	0.15	0.08				0.5		60.5-63.5	
QSn4-0.3	0.10	0.05		3.5-4.9		0.2	0.3	others	
QSn6.5-0.1	0.05			6.0-7.0	0.002	0.2	0.3	others	
QSn8-0.3	0.1	0.05		7.0-9.0		0.2	0.2	others	
QSn6.5-0.4	0.02			6.0-7.0	0.002	0.2	0.3	others	
BZn18-18	0.25	0.05	0.5			16.5-19.5		63.5-66.5	
BZn18-26	0.25	0.05	0.5			16.5-19.5		53.5-56.5	
BZn15-20	0.5	0.02	0.3			13.5-16.5		others	
BZn18-10									

Aluminum alloy Chemical Composition

GB	Si	Cu	Mg	Zn	Mn	Ti	Fe	Ni	other
5A02	0.4	1.1	2.0-2.8		0.15-0.40		0.4		
5A03	0.50-0.80	0.1	3.2-3.8	0.2	0.30-0.60		0.5		
5A05	0.5	0.1	4.8-5.5	0.2	0.30-0.60		0.5		
5A30	0.4	0.1	4.7-5.5	0.25	0.05-1.0		0.4		
2A01	0.5	2.2-3.0	0.20-0.50	0.10	0.2		0.5		
2A11	0.7	3.8-4.8		0.30	0.4-0.8		0.7	0.1	
2A12	0.5	3.8-4.5	1.2-1.6	0.10	0.30-0.70		0.5		
2B16	0.25	5.8-6.8	0.05		0.20-0.40		0.3		
2A80	0.50-1.2	1.9-2.5	1.4-1.8	0.30	0.2		1.0-1.60	0.9-1.5	
2A90	0.50-1.0	3.5-4.5	0.40-0.8	0.30	0.2		0.50-1.0	1.8-2.3	
2A14	0.6-1.2	3.9-4.8	0.4-0.8	0.30	0.4-1.0		0.7	0.1	
7A09	0.5	1.2-2.0	2.0-3.0	5.1-6.1	0.15		0.5		Cr 0.16-0.30
ZL101	6.5-7.5		0.25-0.45						
ZL102	10.0-13.0								
ZL104	8.0-10.5		0.17-0.3		0.2-0.5				
ZL105	4.5-5.5	1.0-1.5	0.4-0.6						
ZL106	7.5-8.5	1.0-1.5	0.3-0.5		0.3-0.5	0.10-0.25			
ZL107	6.5-7.5	3.5-4.5							
ZL108	11.0-13.0	1.0-2.0	0.4-1.0		0.3-0.9				
ZL109	11.0-13.0	0.5-1.5	0.8-1.3					0.8-1.5	
ZL110	4.0-6.0	5.0-8.0	0.2-0.5						
ZL111	8.0-10.0	1.3-1.8	0.4-0.6		0.10-0.35	0.10-0.35			
ZL201		4.5-5.3			0.6-1.0	0.15-0.35			
ZL202									
ZL203		4.0-5.0							
ZL301			9.5-11.0						
ZL302									
ZL401	6.0-8.0		0.1-0.3	9.0-13.0					
ZL402			0.5-0.65	5.0-6.5		0.15-0.25	0.4-0.6		
YLD102	10.0-13.0						0.9		
YLD104	8.0-10.5		0.2-0.35		0.2-0.5		0.8		
YLD112	7.5-9.5	2.5-4.0					0.9	0.2	
YLD117	16.0-18.0	4.0-5.0	0.5-0.65				0.9	0.3	
YLD302	0.8-1.3		4.6-5.5		0.1-0.4		0.9		
YLD306			2.6-4.0		0.4-0.6		0.6	0.1	