

GREY IRON International Specification Comparison Chart

Country	Standard & Designation	Class & Grade					
China	GB9439-88	HT150	HT200	HT250	HT360	HT350	
USA	ANSI/ASTM A 48-1983	Class 20	Class 25	Class 35	Class 40	Class 50	
Germany	DIN1691-1964	GG 15	GG 20	GG 25	GG 30	GG 35	GG 40
Japan	JIS G5501	FC 15	FC 20	FC 25	FC 30	FC 35	
France	NFA A32-101	Ft 15D	Ft 20D	Ft 25D	Ft 30D	Ft 35D	Ft 40D
Italy	UNI 5007	G15	G20	G25	G30	G35	
Britain	BS 1452	150	180	260	300	350	400

DUCTILE IRON International Specification Comparison Chart

Country	Standard & Designation	Class & Grade					
China	GB1348-88	QT400-18 QT400-15	QT450-10	QT500-7	QT600-3	QT700-2	QT800-2
USA	ANSI/ASTM A536	60-40-18	65-45-12	70-50-5	80-55-06 100-70-03	120-90-02	80-55-03
Germany	DIN 1693	GGG40		GGG50	GGG60	GGG70	GGG80
Japan	JIS G5502	FCD 37	FCD40	FCD45/50	FCD60	FCD70	FCD80
France	NF A 32-201	FGS 370-17	FGS 400-12	FGS 500-7	FGS 600-3	FGS 700-2	FGS 800-2
Italy	UNI 4544	GS 370-17	GS 400-12	GS 500-7	GS 600-2	GS 700-2	GS 800-2
Britain	BS 2789	400/18	420/12	500/7	600/3	700/2	800/2

ALLOY IRON International Specification Comparison Chart



CARBON STEEL

Country	Standard	Class & Grade
China	GB	Q235,15,20,25,30,35,40,45,50,55,60,75,80 ZG 200-400,ZG230-450,ZG270-500,ZG310-570
USA	ANSI/ASTM ASTM 216 A352	1010,1020,1025,1030,1040,1045,1050,1060,1070 WCB,WCC,WC6,WC9 LCB,LCC
Germany	DIN	C15,GS-C25,GS-C35

Japan	JIS	SCPH44,SCPL11,S20C,S25C,S45C
Britain	BS3100	A1,A2,A3,A4,A5,A6,AM1,AM2,AW1,AW2,AW3

LOW ALLOY STEEL

Country	Standard	Grade & Class
China	GB/ZG	30MN,45MN,60MN,20MNSi,35MNSi,45MNSi,20MNM0,20Cr,30Cr,40Cr,15CrMo,30CrMo,42CrMo,20CrMN,25CRMN,35CrMN,40CrMo,20CrNI,40CrNi,45CrNi,40CrNiMo
USA	ANSI/ASTM ASTM A 217	8620,8630,4130,4140,5120,5130,5140,3120,3140,4343,WC6,WC9,C5
Germany	DIN 17200	28Cr4,41Cr4,15CrMo5,25CrMo4,4`CrMo4,36NiCR6,36CrNiMo4
Japan	JIS	SCr420,SCr440,SCM415,SCM430,SCM440,SNC236,SNCM439
Britain	BS3100	B1,B2,B3,B4,B5,B6,B7,BW1,BW2,BW3,BW4

STAINLESS STEEL

Country	Standard	Grade & Designation
China	GB/ZG	ICr13,ICr15,2Cr13,OCr13,ICr18NI9Ti,OCr18N i9,OcR25Ni20
USA	ANSI/ASTM	301,302,303,304,305,308,310,316,410,420,440,304L,316L,CF3,CF3M,CF8,CF8M
Germany	DIN 17200	1.4310,1.4305,1.4301,1.4543,1.4303,1.4401,1.4406
Japan	JIS	SUS301,SUS303,SUS304,SUS310,SUS316
Britain	BS3100	302S25,303S21,305S19,316S16,321S20

COPPER ALLOY
AL.ALLOY



MALLEABLE IRON

Country	Standard	Grade & Designation
China	GB9440	KTH 300-06, KTH 350-10KTZ,450-06, KTZ 550-04, KTZ650-02,KTB 350-04, KTB 380-12, KTB 400-05, KTB 450-07
USA	ANSI/ASTM A220	40010, 45008, 45006, 50005, 60004, 70003, 80002, 90001
Germany	DIN1692	GTS-35-10, GTS-45-06, GTS-55-04, GTS-65-02, GTS-70-02 GTW 35-04, GTW 40-05, GTW 45-07, GTW 38-12

Japan	JIS G5702	FCMB28, FCMB32, FCMB35, FCMB37 FCMW34, FCMW38, FCMW45, FCMW50, FCMW55
Britain	BS309	W410/4, W340/3, B340/12, B310/10, B290/6 P690/2, P570/3, P540/5, P510/4, P440/7