

## International Standards Comparison Chart - Steels

Material	Countries and Standards						
	Germany		China	UK		France	Italy
		DIN	GB	BS	EN	AFNOR	UNI
P	1.0401	C15	15	080M15	-	CC12	C15C16
	1.0402	C22	20	050A20	2C	CC20	C20C21
	1.0501	C35	35	060A35	-	CC35	C35
	1.0503	C45	45	080M40	-	CC45	C45
	1.0535	C55	55	070M55	-	-	C55
	1.0601	C60	60	080A62	43D	CC55	C60
	1.7015	9SMn28	Y15	230M07	-	S250	CF9SMn28
	1.0718	9SMnPb28	-	-	-	S250Pb	CF9MnPb28
	1.0722	10SPb20	-	-	-	10PbF2	CF10Pb20
	1.0726	35S20	-	212M36	8M	35MF4	-
	1.0736	9SMn36	Y13	240M07	1B	S300	CF9SMn36
	1.0737	9SMnPb36	-	-	-	S300Pb	CF9SMnPb36
	1.0904	55Si9	55Si2Mn	250A53	45	55S7	55Si8
	1.0961	60SiCr7	-	-	-	60SC7	60SiCr8
	1.1141	Ck15	15	080M15	32C	XC12	C16
	1.1157	40Mn4	40Mn	150M36	15	35M5	-
	1.1158	Ck25	25	-	-	-	-
	1.1167	36Mn5	35Mn2	-	-	40Mn5	-
	1.1170	28Mn6	30Mn	150M28	14A	20M5	C28Mn
	1.1183	Cf35	35Mn	060A35	-	XS38TS	C36
	1.1191	45	Ck45	080M46	-	XC42	C45
	1.1203	Ck55	55	070M55	-	XC45	C50
	1.1213	Cf53	50	060A52	-	XC48TS	C53
	1.1221	Ck60	60Mn	080A62	43D	XC60	C60
	1.1274	Ck101	-	060A96	-	-	-
	1.3401	X120Mn12	-	Z120M12	-	X120M12	XG120Mn12
	1.3505	100Cr6	Gr15;45Gr	534A99	31	100C6	100Cr6
	1.5415	15Mo3	-	1501-240	-	15D3	16Mo3KW
	1.5426	16Mo5	-	1503-245-420	-	-	16Mo5
	1.5622	14Ni6	-	-	-	16N6	14Ni6
	1.5662	X8Ni9	-	1501-509;510	-	-	X10Ni9
	1.5680	12Ni19	-	-	-	Z18N5	-
	1.5710	36NiCr6	-	640A35	111A	35NC6	-
1.5732	14NiCr10	-	-	-	14NC11	16NiCr11	
1.5752	14NiCr14	-	655M13;655A12	36A	12NC15	-	
1.6511	36CrNiMo4	-	816M40	110	40NCD3	38CrNiMo4(KB)	
1.6523	21NiCrMo2	-	850M20	362	20NCD2	20NiCrMo2	
1.6546	40NiCrMo2	-	311-Type7	-	-	40NiCrMo2(KB)	

1.6582	34CrNiMo6	40CrNiMoA	817M40	24	35NCD6	35CrNiMo6(KB)
1.6587	17CrNiMo6	-	820A16	-	18NCD6	-
1.7015	15Cr3	15Cr	523M15	-	12C3	-
1.7033	34Cr4	35Cr	530A32	18B	32C4	34Cr4(KB)
1.7035	41Cr4	40Cr	530M40	18	42C4	41Cr4
1.7045	42Cr4	40Cr	-	-	-	-
1.7131	16MnCr15	18CrMn	(527M20)	-	16MC5	16MnCr15
1.7176	55Cr3	20CrMn	527A60	48	55C3	-
1.7218	25CrMo4	30CrMn	1717CDS110	-	25CD4	25CrMo4(KB)
1.7220	34CrMo4	35CrMo	708A37	19B	35CD4	35CrMo4
1.7223	41CrMo4	40CrMoA	708M40	19A	42CD4TS	41CrMo4
1.7225	42CrMo4	42CrMo; 42CrMnMo	708M40	19A	42CD4	42CrMo4
1.7262	15CrMo5	-	-	-	12CD4	-
1.7335	13CrMo44	-	1501- 620Gr.27	-	15CD3.5; 15CD4.5	14CrMo44
1.7361	32CrMo12	-	722M24	40B	30CD12	32CrMo12
1.7380	10CrMo910	-	1501- 622Gr.31;45	-	12CD9;10	12CrMo9,10
1.7715	14MoV63	-	1503-660-440	-	-	-
1.8159	50CrV4	50CrVA	735A50	47	50CV4	50CrV4
1.8509	41CrAlMo7	-	905M39	41B	40CAD6,12	41CrAlMo7
1.8523	39CrMoV139	-	897M39	40C	-	36CrMoV12

## Structural Steel

Sweden	Spain	Japan	USA
SS	UNE	JIS	AISI/SAE
1350	F.111	-	1015
1450	F.112	-	1020
1550	F.113	-	1035
1650	F.114	-	1045
1655	-	-	1055
-	-	-	1060
1912	11SMn28	SUM22	1213
1914	11SMnPb28	SUM22L	12L13
-	10SPb20	-	-
1957	F210G	-	1140
-	12SMn35	-	1215
1926	12SMnP35	-	12L14
2085	56Si7	-	9255
-	60SiCr8	-	9262
1370	C15K	S15C	1015
-	-	-	1039
-	-	S25C	1025
2120	36Mn5	SMn438(H)	1335
-	-	SCMn1	1330
1572	-	S35C	1035
1672	C45K	S45C	1045
-	C55K	S55C	1055
1674	-	S50C	1050
1678	-	S58C	1060
1870	-	SUP4	1095
-	X120Mn12	SCMnH/1	-
2258	F.131	SUJ2	52100
2912	16Mo3	-	ASTM A20Gr.A
-	16Mo5	-	4520
-	15Ni6	-	ASTM A350LF5
-	XBNi09	-	ASTM A353
-	-	-	2515
-	-	SNC236	3135
-	15NiCr11	SNC415(H)	3415
-	-	SNC815(H)	3415;3310
-	35CrNiMo4	-	9840
2503	20NiCrMo2	SNCCM220(H)	8620
-	40NiCrMo2	SNC240	8740

2541	-	-	4340
-	14CrNiMo13	-	-
-	-	SCr415(H)	5015
-	35Cr4	SCr430(H)	5132
-	42Cr4	SCr440(H)	5140
2245	42Cr4	SCr440	5140
2511	16MnCr15	-	5115
-	-	SUP9(A)	5155
2225	55Cr3	SCM420; SCM430	4130
2234	34CrMo4	SCM432; SCRRM3	4137;4135
2244	41CrMo4	SCM440	4140;4142
2244	42CrMo4	SCM440(H)	4140
2216	12CrMo4	SCM415(H)	-
-	14CrMo45	-	ASTM A182;F11;F12
2240	F.124.A	-	-
2218	TU.H	-	ASTM A182 F.22
-	13MoCrV6	-	-
2230	51CrV4	SUP10	6150
2940	41CrAlMo7	-	-
-	-	-	-