

表2.合金鋼の化学成分 (GB/T 17107-1997 に基づき)

中国の記号	(JIS)	化学成分 / %							
		C	Si	Mn	Cr	Ni	Mo	V	その他
30Mn2	SMn433/SMn433H	0.27~0.34	0.17~0.37	1.40~1.80	-	-	-	-	-
35Mn2	SCMn443/SMn438/SMn438H	0.32~0.39	0.17~0.37	1.40~1.80	-	-	-	-	-
45Mn2	SMn443	0.42~0.49	0.17~0.37	1.40~1.80	-	-	-	-	-
20SiMn	-	0.16~0.22	0.60~0.80	1.00~1.30	-	-	-	-	-
35SiMn	-	0.32~0.40	1.10~1.40	1.10~1.40	-	-	-	-	-
42SiMn	-	0.39~0.45	1.10~1.40	1.10~1.40	-	-	-	-	-
50SiMn	-	0.46~0.54	0.80~1.10	0.80~1.10	-	-	-	-	-
20MnMo	-	0.17~0.23	0.17~0.37	0.90~1.30	-	-	0.15~0.25	-	-
20MnMoNb	-	0.16~0.23	0.17~0.37	1.20~1.50	-	-	0.45~0.60	-	Nb: 0.020~ 0.045
42MnMoV	-	0.38~0.45	0.17~0.37	1.20~1.50	-	-	0.20~0.30	0.10~0.20	-
50SiMnMoV	-	0.45~0.55	0.50~0.70	1.50~1.80	-	-	0.30~0.50	0.20~0.30	-
37SiMn2MoV	-	0.33~0.39	0.60~0.90	1.60~1.90	-	-	0.40~0.50	0.05~0.12	-
15Cr	SCr415	0.12~0.18	0.17~0.37	0.40~0.70	0.70~1.00	-	-	-	-
20Cr	SCr420/SCr420H	0.18~0.24	0.17~0.37	0.50~0.80	0.70~1.00	-	-	-	-
30Cr	SCr430	0.27~0.34	0.17~0.37	0.50~0.80	0.80~1.10	-	-	-	-
35Cr	SCr435/SCr435H	0.32~0.39	0.17~0.37	0.50~0.80	0.80~1.10	-	-	-	-
40Cr	SCr440/SCr440H	0.37~0.44	0.17~0.37	0.50~0.80	0.80~1.10	-	-	-	-
50Cr	SCr445	0.47~0.54	0.17~0.37	0.50~0.80	0.80~1.10	-	-	-	-
12CrMo	-	0.08~0.15	0.17~0.37	0.40~0.70	0.40~0.70	-	0.40~0.55	-	-
15CrMo	STC42/STT42/STB42/SCM415	0.12~0.18	0.17~0.37	0.40~0.70	0.80~1.10	-	0.40~0.55	-	-
25CrMo	-	0.22~0.29	0.17~0.37	0.50~0.80	0.90~1.20	-	0.15~0.30	-	-
30CrMo	SCM420/SCM430	0.26~0.34	0.17~0.37	0.40~0.70	0.80~1.10	-	0.15~0.25	-	-
35CrMo	SCM435/SCM432/SCCrM3	0.32~0.40	0.17~0.37	0.40~0.70	0.80~1.10	-	0.15~0.25	-	-
42CrMo	SCM440	0.38~0.45	0.17~0.37	0.50~0.80	0.90~1.20	-	0.15~0.25	-	-
50CrMo	-	0.46~0.54	0.17~0.37	0.50~0.80	0.90~1.20	-	0.15~0.30	-	-
34CrMo1	-	0.30~0.38	0.17~0.37	0.40~0.70	0.70~1.20	-	0.40~0.55	-	-
16CrMn	-	0.14~0.19	0.17~0.37	1.00~1.30	0.80~1.10	-	-	-	-
20CrMn	SMnC420	0.17~0.22	0.17~0.37	1.10~1.40	1.00~1.30	-	-	-	-
20CrMnTi	SMK22/SCM421	0.17~0.23	0.17~0.37	0.80~1.10	1.00~1.30	-	-	-	Ti:0.04~ 0.10
20CrMnMo	SCM421	0.17~0.23	0.17~0.37	0.90~1.20	1.10~1.40	-	0.20~0.30	-	-
35CrMnMo	-	0.30~0.40	0.17~0.37	1.10~1.40	1.10~1.40	-	0.25~0.35	-	-
40CrMnMo	SCM440	0.37~0.45	0.17~0.37	0.90~1.20	0.90~1.20	-	0.20~0.30	-	-
20CrMnMoB	-	0.17~0.23	0.17~0.37	1.20~1.50	1.50~1.80	-	0.45~0.55	-	加入量B: 0.001~ 0.003 5
30CrMn2MoB	-	0.27~0.35	0.17~0.37	1.40~1.80	0.90~1.20	-	0.45~0.55	-	加入量B: 0.001~ 0.003 5
32Cr2MnMo	-	0.28~0.36	0.17~0.37	1.10~1.40	1.70~2.10	-	0.40~0.50	-	-
30CrMnSi	-	0.27~0.34	0.90~1.20	0.80~1.10	0.80~1.10	-	-	-	-
35CrMnSi	-	0.32~0.39	1.10~1.40	0.80~1.10	1.10~1.40	-	-	-	-
12CrMoV	-	0.08~0.15	0.17~0.37	0.40~0.70	0.30~0.60	-	0.25~0.35	0.15~0.30	-
12Cr1MoV	-	0.08~0.15	0.17~0.37	0.40~0.70	0.90~1.20	-	0.25~0.35	0.15~0.30	-
24CrMoV	-	0.20~0.28	0.17~0.37	0.30~0.60	1.20~1.50	-	0.50~0.60	0.15~0.30	-
35CrMoV	-	0.30~0.38	0.17~0.37	0.40~0.70	1.00~1.30	-	0.20~0.30	0.10~0.20	-
30Cr2MoV	-	0.26~0.34	0.17~0.37	0.40~0.70	2.30~2.70	-	0.15~0.25	0.10~0.20	-
28Cr2Mo1V	-	0.22~0.32	0.30~0.50	0.50~0.80	1.50~1.80	-	0.60~0.80	0.20~0.30	-
40CrNi	SNC236	0.37~0.44	0.17~0.37	0.50~0.80	0.45~0.75	1.00~1.40	-	-	-
40CrNiMo	-	0.37~0.44	0.17~0.37	0.50~0.80	0.60~0.90	1.25~1.65	0.15~0.25	-	-
34CrNi1Mo	-	0.30~0.40	0.17~0.37	0.50~0.80	1.30~1.70	1.30~1.70	0.20~0.30	-	-
34CrNi3Mo	-	0.30~0.40	0.17~0.37	0.50~0.80	0.70~1.10	2.75~3.25	0.25~0.40	-	-
15Cr2Ni2	-	0.12~0.17	0.17~0.37	0.30~0.60	1.40~1.70	1.40~1.70	-	-	-
20Cr2Ni4	-	0.17~0.23	0.17~0.37	0.30~0.60	1.25~1.65	3.25~3.65	-	-	-
17Cr2Ni2Mo	-	0.14~0.19	0.17~0.37	0.30~0.60	1.50~1.80	1.40~1.70	0.25~0.35	-	-
30Cr2Ni2Mo	-	0.26~0.34	0.17~0.37	0.30~0.60	1.80~2.20	1.80~2.20	0.30~0.50	-	-
34Cr2Ni2Mo	-	0.30~0.38	0.17~0.37	0.40~0.70	1.40~1.70	1.40~1.70	0.15~0.30	-	-
15CrNiMoV	-	0.12~0.19	0.17~0.37	0.40~0.70	0.50~1.00	0.80~1.20	0.20~0.35	0.10~0.20	-
34CrNi3MoV	-	0.30~0.40	0.17~0.37	0.50~0.80	1.20~1.50	3.00~3.50	0.25~0.40	0.10~0.20	-
37CrNi3MoV	-	0.32~0.42	0.17~0.37	0.25~0.50	1.20~1.50	3.00~3.50	0.35~0.45	0.10~0.25	-
24Cr2Ni4MoV	-	0.22~0.28	0.17~0.37	0.30~0.60	1.50~1.80	3.30~3.80	0.40~0.55	0.05~0.15	-
18Cr2Ni4W	-	0.13~0.19	0.17~0.37	0.30~0.60	1.35~1.65	4.00~4.50	-	-	W:0.80~ ¥1.20