

Equivalent Steel Grade from Main Countries

UNS No.	ASTM/AISI/ASME	EN	JIS	ГОСТ
S30400	TP304	1.4301	SUS304	08X18H10
S30403	TP304L	1.4307	SUS304L	03X18H11
S30409	TP304H	1.4948	SUS304H	-
S30908	TP309S	1.4833	SUS309S	-
S31008	TP310S	1.4845	SUS310S	-
S31600	TP316	1.4401	SUS316	-
S31603	TP316L	1.4404	SUS316L	03X17H14M2
S31635	TP316Ti	1.4571	SUS316Ti	08X17H13M2T
S31703	TP317L	1.4438	SUS317L	-
S32100	TP321	1.4541	SUS321	08X18H10T
S32109	TP321H	1.4940	SUS321H	-
S34700	TP347	1.4550	SUS347	-
S31803	Duplex 2205	1.4462	SUS329J3L	-

ASTM/AISI/ASME Chemical Composition

Grade	Chemical Composition (%)									
	C	Mn	P	S	Si	Cr	Ni	Mo	Ti	N
TP304	≤0.08	≤2.00	≤0.045	≤0.030	≤1.00	18.0-20.0	8.0-11.0	-	-	-
TP304L	≤0.035	≤2.00	≤0.045	≤0.030	≤1.00	18.0-20.0	8.0-13.0	-	-	-
TP304H	0.04-0.10	≤2.00	≤0.045	≤0.030	≤1.00	18.0-20.0	8.0-11.0	-	-	-
TP309S	≤0.08	≤2.00	≤0.045	≤0.030	≤1.00	22.0-24.0	12.0-15.0	≤0.75	-	-
TP310S	≤0.08	≤2.00	≤0.045	≤0.030	≤1.00	24.0-26.0	19.0-22.0	≤0.75	-	-
TP316	≤0.08	≤2.00	≤0.045	≤0.030	≤1.00	16.0-18.0	11.0-14.0	2.00-3.00	-	-
TP316L	≤0.035	≤2.00	≤0.045	≤0.030	≤1.00	16.0-18.0	10.0-14.0	2.00-3.00	-	-
TP316Ti	≤0.08	≤2.00	≤0.045	≤0.030	≤0.75	16.0-18.0	10.0-14.0	2.00-3.00	5x(C+N)-0.70	≤0.10
TP317L	≤0.035	≤2.00	≤0.045	≤0.030	≤1.00	18.0-20.0	11.0-15.0	3.00-4.00	-	-
TP321	≤0.08	≤2.00	≤0.045	≤0.030	≤1.00	17.0-19.0	9.0-12.0	-	5xC-0.70	≤0.10
TP321H	0.04-0.10	≤2.00	≤0.045	≤0.030	≤1.00	17.0-19.0	9.0-12.0	-	4xC-0.60	-

TP347	≤0.08	≤2.00	≤0.045	≤0.030	≤1.00	17.0-19.0	9.0-13.0	-	-	-
Duplex 2205 / UNS S31803	≤0.030	≤2.00	≤0.030	≤0.020	≤1.00	21.0-23.0	4.5-6.5	2.5-3.5	-	0.08-0.20

JIS Chemical Composition

Grade	Chemical Composition (%)									
	C	Mn	P	S	Si	Cr	Ni	Mo	Ti	Other
SUS304	≤0.08	≤2.00	≤0.045	≤0.030	≤1.00	18.0-20.0	8.0-11.0	-	-	-
SUS304L	≤0.030	≤2.00	≤0.045	≤0.030	≤1.00	18.0-20.0	9.0-13.0	-	-	-
SUS304H	0.04-0.10	≤2.00	≤0.045	≤0.030	≤0.75	18.0-20.0	8.0-11.0	-	-	-
SUS309S	≤0.08	≤2.00	≤0.045	≤0.030	≤1.00	22.0-24.0	12.0-15.0	-	-	-
SUS310S	≤0.08	≤2.00	≤0.045	≤0.030	≤1.50	24.0-26.0	19.0-22.0	-	-	-
SUS316	≤0.08	≤2.00	≤0.045	≤0.030	≤1.00	16.0-18.0	10.0-14.0	2.00-3.00	-	-
SUS316L	≤0.030	≤2.00	≤0.045	≤0.030	≤1.00	16.0-18.0	12.0-16.0	2.00-3.00	-	-
SUS316Ti	≤0.08	≤2.00	≤0.045	≤0.030	≤0.75	16.0-18.0	10.0-14.0	2.00-3.00	≥5xC	-
SUS317L	≤0.030	≤2.00	≤0.045	≤0.030	≤1.00	18.0-20.0	11.0-15.0	3.00-4.00	-	-
SUS321	≤0.08	≤2.00	≤0.045	≤0.030	≤1.00	17.0-19.0	9.0-13.0	-	≥5xC	-
SUS321H	0.04-0.10	≤2.00	≤0.030	≤0.030	≤0.75	17.0-20.0	9.0-13.0	-	4xC-0.60	-
SUS347	≤0.08	≤2.00	≤0.045	≤0.030	≤1.00	17.0-19.0	9.0-13.0	-	-	Nb≥10xC
SUS329J3L	≤0.030	≤1.50	≤0.030	≤0.020	≤1.00	21.0-24.0	4.5-6.5	2.5-3.5	-	N 0.08-0.20

EN Chemical Composition

Grade	Chemical Composition (%)									
	C	Mn	P	S	Si	Cr	Ni	Mo	Ti	Other
1.4301	≤0.07	≤2.00	≤0.040	≤0.015	≤1.00	17.00-19.50	8.00-10.50	-	-	N≤0.11
1.4307	≤0.030	≤2.00	≤0.040	≤0.015	≤1.00	17.50-19.50	8.00-10.00	-	-	N≤0.11
1.4948	0.04-0.08	≤2.00	≤0.035	≤0.015	≤1.00	17.00-19.00	8.00-11.00	-	-	N≤0.11
1.4833	≤0.15	≤2.00	≤0.045	≤0.015	≤1.00	22.0-24.0	12.00-14.00	-	-	N≤0.11
1.4845	≤0.10	≤2.00	≤0.045	≤0.015	≤1.50	24.0-26.0	19.00-22.00	-	-	N≤0.11
1.4401	≤0.07	≤2.00	≤0.040	≤0.015	≤1.00	16.50-18.50	10.00-13.00	2.00-2.50	-	N≤0.11
1.4404	≤0.030	≤2.00	≤0.040	≤0.015	≤1.00	16.50-18.50	10.00-13.00	2.00-2.50	-	N≤0.11

1.4571	≤0.08	≤2.00	≤0.040	≤0.015	≤1.00	16.50-18.50	10.50-13.50	2.00-2.50	5xC-0.70	-
1.4438	≤0.030	≤2.00	≤0.045	≤0.015	≤1.00	18.0-20.0	13.00-16.00	3.00-4.00	-	N≤0.11
1.4541	≤0.08	≤2.00	≤0.040	≤0.015	≤1.00	17.00-19.00	9.00-12.00	-	5xC-0.70	-
1.4940	0.04-0.08	≤2.00	≤0.040	≤0.015	≤1.00	17.00-19.00	9.00-13.00	-	5x(C+N)-0.80	N≤0.11
1.4550	≤0.08	≤2.00	≤0.040	≤0.015	≤1.00	17.00-19.00	9.00-12.00	-	-	Nb 10xC-1.00
1.4462	≤0.030	≤2.00	≤0.035	≤0.015	≤1.00	21.00-23.00	4.50-6.50	2.50-3.50	-	N 0.10-0.22

GOST Chemical Composition

Grade	Chemical Composition (%)									
	C	Mn	P	S	Si	Cr	Ni	Mo	Ti	Other
08X18H10T	≤0.08	≤2.00	≤0.035	≤0.020	≤0.80	17.00-19.00	9.00-11.00	-	5xC-0.70	Cu≤0.30

Other Russian Grades can only supply equivalent grades from ASTM/ASME/AISI.