RIDDHI SIDDHI IMPEX

Chemical composition for AISI Standard stainless steel

Type	Chemical Composition								
Grade No.	**C**	**Mn**	**P**	**S**	**Si**	**Cr**	**Ni**	**Mo**	**Others**
AISI 201	<=0.15	5.50～7.50	<=0.06	<=0.03	<=0.75	16.0～18.0	3.5～5.5	-	N<=0.25
AISI 202	<=0.15	7.50～10.0	<=0.06	<=0.03	<=0.75	17.0～19.0	4.0～6.0	-	N<=0.25
AISI 205	0.12～0.25	14.0～15.5	<=0.06	<=0.03	<=0.75	16.5～18.0	1.0～1.75	-	N 0.32～0.40
AISI 301	<=0.15	<=2.0	<=0.045	<=0.03	<=0.75	16.0～18.0	6.0～8.0	-	N～0.10
AISI 302	<=0.15	<=2.0	<=0.045	<=0.03	<=0.75	17.0～19.0	8.0～10.5	-	N～0.10
AISI 302B	<=0.15	<=2.0	<=0.045	<=0.03	2.0～3.0	17.0～19.0	8.0～10.5	-	N～0.10
AISI 303	<=0.15	<=2.0	<=0.2	>=0.15	<=1.0	17.0～19.0	8.0～10.5	-	N～0.10
AISI 303Se	<=0.15	<=2.0	<=0.2	<=0.06	<=1.0	17.0～19.0	8.0～10.0	-	-
AISI 304	<=0.08	<=2.0	<=0.045	<=0.03	<=0.75	18.0～20.0	8.0～10.5	-	Se>=0.15
AISI 304L	<=0.03	<=2.0	<=0.045	<=0.03	<=0.75	18.0～20.0	8.0～12.0	-	N～0.10
AISI 304N	<=0.08	<=2.0	<=0.045	<=0.03	<=0.75	18.0～20.0	8.0～10.5	-	N～0.10
AISI 304LN	<=0.03	<=2.0	<=0.045	<=0.03	<=0.75	18.0～20.0	10.5～12.0	-	N 0.10～0.16
AISI 305	<=0.12	<=2.0	<=0.045	<=0.03	<=0.75	17.0～19.0	10.5～13.0	-	N 0.10～0.16
AISI 308	<=0.08	<=2.0	<=0.045	<=0.03	<=0.75	19.0～21.0	10.0～12.0	-	-
AISI 309	<=0.2	<=2.0	<=0.045	<=0.03	<=0.75	22.0～24.0	12.0～15.0	-	-
AISI 309S	<=0.08	<=2.0	<=0.045	<=0.03	<=0.75	22.0～24.0	12.0～15.0	-	-
AISI 310	<=0.25	<=2.0	<=0.045	<=0.03	<=1.50	24.0～26.0	19.0～22.0	-	-
AISI 310S	<=0.08	<=2.0	<=0.045	<=0.03	<=1.50	24.0～26.0	19.0～22.0	-	-
AISI 314	<=0.25	<=2.0	<=0.045	<=0.03	1.5～3.0	23.0～26.0	19.0～22.0	-	-
AISI 316	<=0.08	<=2.0	<=0.045	<=0.03	<=0.75	16.0~18.0	10.0~14.0	1.75~2.25	-
AISI 316F	<=0.08	<=2.0	<=0.2	<=0.1	<=0.75	16.0~18.0	10.0~14.0	1.75~2.25	-
AISI 316L	<=0.03	<=2.0	<=0.045	<=0.03	<=0.75	16.0~18.0	10.0~14.0	2.0~3.0	-
AISI 316Ti	<=0.08	<=2.0	<=0.045	<=0.03	<=0.75	16.0~18.0	10.0~14.0	2.0~3.0	N≤0.10,Ti≥5x(C+N)～0.7
AISI 316N	<=0.08	<=2.0	<=0.045	<=0.03	<=0.75	16.0~18.0	10.0~14.0	2.0~3.0	N 0.10~0.16
AISI 317	<=0.08	<=2.0	<=0.045	<=0.03	<=0.75	18.0~20.0	11.0~15.0	3.0~4.0	-
AISI 317L	<=0.03	<=2.0	<=0.045	<=0.03	<=0.75	18.0~20.0	11.0~15.0	3.0~4.0	-
AISI 321	<=0.08	<=2.0	<=0.045	<=0.03	<=0.75	17.0~19.0	9.0~12.0	-	N≤0.10,Ti≥5x(C+N)～0.7
AISI 329	<=0.10	<=2.0	<=0.040	<=0.03	<=0.75	23.0~28.0	2.5~5.0	1.0~2.0	-
AISI 347	<=0.08	<=2.0	<=0.045	<=0.03	<=0.75	17.0~19.0	9.0~13.0	-	Nb+Ta:10xC%~1.00
AISI 348	<=0.08	<=2.0	<=0.045	<=0.03	<=0.75	17.0~19.0	9.0～13.0	-	Nb+Ta≥10xC%～1.00 Ta≥0.10,Co≥0.20
AISI 403	<=0.15	<=1.0	<=0.040	<=0.03	<=0.50	11.5~13.0	-	-	-
AISI 405	<=0.08	<=1.0	<=0.040	<=0.03	<=1.00	11.5~14.5	-	-	Al:0.10~0.30
AISI 409	<=0.08	<=1.0	<=0.045	<=0.045	<=1.00	10.5~11.75	-	-	Ti:6xC%~0.75
AISI 410	<=0.15	<=1.0	<=0.040	<=0.03	<=1.00	11.5~13.5	<=0.75	-	-
AISI 414	<=0.15	<=1.0	<=0.040	<=0.03	<=1.00	11.5~13.5	1.25～2.50	-	-
AISI 416	<=0.15	<=1.25	<=0.06	<=0.15	<=1.00	12.0~14.0	-	-	-
AISI 416Se	<=0.15	<=1.25	<=0.06	<=0.06	<=1.00	12.0~14.0	-	-	Se>=0.15
AISI 420	>0.15	<=1.00	<=0.040	<=0.03	<=1.00	12.0~14.0	<=0.75	<=0.50	-
AISI 420F	0.30～0.40	<=1.25	<=0.06	<=0.15	<=1.00	12.0~14.0	<=0.50	-	Cu<=0.60
AISI 429	<=0.12	<=1.0	<=0.040	<=0.03	<=1.00	14.0~16.0	<=0.75	-	-
AISI 430	<=0.12	<=1.0	<=0.040	<=0.03	<=1.00	16.0~18.0	<=0.75	-	-
AISI 430F	<=0.12	<=1.25	<=0.06	<=0.15	<=1.00	16.0~18.0	-	-	-
AISI 430FSe	<=0.12	<=1.25	<=0.06	<=0.06	<=1.00	16.0~18.0	-	-	Se>=0.15
AISI 431	<=0.20	<=1.00	<=0.040	<=0.03	<=1.00	15.0~17.0	1.25～2.50	-	-
AISI 434	<=0.12	<=1.00	<=0.040	<=0.03	<=1.00	16.0~18.0	-	-	-
AISI 440A	0.60～0.75	<=1.00	<=0.040	<=0.03	<=1.00	16.0~18.0	-	-	-
AISI 440B	0.75～0.95	<=1.00	<=0.040	<=0.03	<=1.00	16.0~18.0	-	-	-
AISI 440C	0.95～1.20	<=1.00	<=0.040	<=0.03	<=1.00	16.0~18.0	-	-	-
AISI 442	<=0.20	<=1.00	<=0.040	<=0.03	<=1.00	18.0~23.0	-	-	-
AISI 446	<=0.20	<=1.50	<=0.040	<=0.03	<=1.00	23.0~27.0	<=0.75	-	N: 0.10~0.25
AISI 631	<=0.09	<=1.00	<=0.040	<=0.03	<=1.00	16.0~18.0	6.50～7.50	0.4～0.65	Al 0.75～1.00