Chemical Composition of Duplex (Ferritic-Austenitic) Stainless Steels: Plate, Sheet and Strip

Standard Designation	Grade, Class, Type, Symbol or Name	Steel Number	UNS Number	Weight, %, max, Unless Otherwise Specified								
				C	Mn	Si	P	S	Cr	Ni	Mo	Others
ASTM A 240/A 240M-03c	2205	---	S32205	0.030	2.00	1.00	0.030	0.020	22.0-23.0	4.5-6.5	3.0-3.5	N 0.14-0.20
JIS G 4304:1999	SUS329J3L	---	---	0.030	2.00	1.00	0.040	0.030	21.00-24.00	4.50-6.50	2.50-3.50	N 0.08-0.20
JIS G 4305:1999	SUS329J3L	---	---	0.030	2.00	1.00	0.040	0.030	21.00-24.00	4.50-6.50	2.50-3.50	N 0.08-0.20
EN 10088-2:1995	X2CrNiMoN22-5-3	1.4462	---	0.030	2.00	1.00	0.035	0.015	21.00-23.00	4.50-6.50	2.50-3.50	N 0.10-0.22
ASTM A 240/A 240M-03c	2304	---	S32304	0.030	2.50	1.00	0.040	0.030	21.5-24.5	3.0-5.5	0.05-0.60	N 0.05-0.20; Cu 0.05-0.60
EN 10088-2:1995	X2CrNiN23-4	1.4362	---	0.030	2.00	1.00	0.035	0.015	22.00-24.00	3.50-5.50	0.10-0.60	N 0.05-0.20; Cu 0.10-0.60
ASTM A 240/A 240M-03c	---	---	S32520	0.030	1.50	0.80	0.035	0.020	24.0-26.0	5.5-8.0	3.0-4.0	N 0.20-0.35; Cu 0.50-2.00
EN 10088-2:1995	X2CrNiMoCuN25-6-3	1.4507	---	0.030	2.00	0.70	0.035	0.015	24.00-26.00	5.50-7.50	2.70-4.00	N 0.15-0.30; Cu 1.00-2.50
ASTM A 240/A 240M-03c	2507	---	S32750	0.030	1.20	0.80	0.035	0.020	24.0-26.0	6.0-8.0	3.0-5.0	N 0.24-0.32; Cu 0.50
EN 10088-2:1995	X2CrNiMoN25-7-4	1.4410	---	0.030	2.00	1.00	0.035	0.015	24.00-26.00	6.00-8.00	3.00-4.50	N 0.20-0.35
ASTM A 240/A 240M-03c	---	---	S32760	0.030	1.00	1.00	0.030	0.010	24.0-26.0	6.0-8.0	3.0-4.0	N 0.20-0.30; Cu 0.50-1.00; W 0.50-1.00
EN 10088-2:1995	X2CrNiMoCuWN25-7-4	1.4501	---	0.030	1.00	1.00	0.035	0.015	24.00-26.00	6.00-8.00	3.00-4.00	N 0.20-0.30; Cu 0.50-1.00; W 0.50-1.00

Chemical Composition of Duplex (Ferritic-Austenitic) Stainless Steel Forgings

Standard Designation	Grade, Class, Type, Symbol or Name	Steel Number	UNS Number	Weight, %, max, Unless Otherwise Specified								
				C	Mn	Si	P	S	Cr	Ni	Mo	Others
EN 10250-4:1999	X3CrNiMoN27-5-2	1.4460	---	0.05	2.00	1.00	0.035	0.030	25.00-28.00	4.50-6.50	1.30-2.00	N 0.05-0.20
ASTM A 182/A 182M-02	F 50	---	S31200	0.030	2.00	1.00	0.045	0.030	24.0-26.0	5.5-6.5	1.20-2.00	N 0.14-0.20
ISO 9327-5:1999	X2CrNiMoN22-5-3	---	---	0.030	2.00	1.00	0.035	0.020	21.00-23.00	4.50-6.50	2.50-3.50	N 0.08-0.20
ASTM A 182/A 182M-02	F 51	---	S31803	0.030	2.00	1.00	0.030	0.020	21.0-23.0	4.5-6.5	2.5-3.5	N 0.08-0.20
EN 10250-4:1999	X2CrNiMoN22-5-3	1.4462	---	0.030	2.00	1.00	0.035	0.015	21.00-23.00	4.50-6.50	2.50-3.50	N 0.10-0.22
ASTM A 182/A 182M-02	F 60	---	S32205	0.030	2.00	1.00	0.030	0.020	22.0-23.0	4.5-6.5	3.0-3.5	N 0.14-0.20
EN 10222-5:1999	X2CrNiMoN22-5-3	1.4462	---	0.030	2.00	1.00	0.035	0.015	21.00-23.00	4.50-6.50	2.50-3.50	N 0.10-0.22
EN 10250-4:1999	X2CrNiMoN25-7-4	1.4410	---	0.030	2.00	1.00	0.035	0.015	24.0-26.0	6.0-8.0	3.00-4.50	N 0.20-0.35
ASTM A 182/A 182M-02	F 53	---	S32750	0.030	1.20	0.80	0.035	0.020	24.0-26.0	6.0-8.0	3.0-5.0	Cu 0.50; N 0.24-0.32
EN 10222-5:1999	X2CrNiMoN25-7-4	1.4410	---	0.030	2.00	1.00	0.035	0.015	24.0-26.0	6.0-8.0	3.00-4.50	N 0.20-0.35
EN 10250-4:1999	X2CrNiMoCuWN27-7-4	1.4501	---	0.030	1.00	1.00	0.035	0.015	24.00-26.00	6.00-8.00	3.00-4.00	Cu 0.50-1.00; N 0.20-0.30; W 0.50-1.00
ASTM A 182/A 182M-02	F 55	---	S32760	0.030	1.00	1.00	0.030	0.010	24.0-26.0	6.0-8.0	3.0-4.0	Cu 0.50-1.00; N 0.20-0.30; W 0.50-1.00
ASTM A 473-01	---	---	S32760	0.030	1.00	1.00	0.030	0.010	24.0-26.0	6.0-8.0	3.0-4.0	Cu 0.50-1.00; N 0.20-0.30; W 0.50-1.00
EN 10250-4:1999	X2CrNiMoCuN25-6-3	1.4507	---	0.030	2.00	0.70	0.035	0.015	24.00-26.00	5.50-7.50	2.70-4.00	Cu 1.00-2.50; N 0.15-0.30
ASTM A 473-01	---	---	S32550	0.040	1.50	1.00	0.040	0.030	24.0-27.0	4.5-6.5	2.9-3.9	Cu 1.50-2.50; N 0.10-0.25
ASTM A 182/A 182M-02	F 59	---	S32520	0.030	1.50	0.80	0.035	0.020	24.0-26.0	5.5-8.0	3.0-5.0	Cu 0.50-3.00; N 0.20-0.35
ISO 9327-5:1999	X2CrNiN23-4	---	---	0.030	2.50	1.00	0.035	0.020	22.00-24.00	3.50-5.00	0.60	Cu 0.60; N 0.05-0.20
EN 10250-4:1999	X2CrNiN23-4	1.4362	---	0.030	2.00	1.00	0.035	0.015	22.00-24.00	3.50-5.50	0.10-0.60	Cu 0.10-0.60; N 0.05-0.20