

DUPLEX/SUPER DUPLEX ALLOYS

Grade	Element	UNS S31254	UNS S31803	UNS S32304	UNS S32550	UNS S32750	UNS S32760
Chemical Properties	C	<= 0.02	<= 0.03	<= 0.03	0.04max	<= 0.03	<= 0.03
	Si	<= 0.70	<= 1.00	<= 1.00	<= 1.00	<= 1.00	<= 1.00
	Mn	<= 1.00	<= 2.00	<= 2.50	<=1.50	<= 2.00	<= 1.00
	Ni	17.5-18.5	4.5-6.5	3.00 - 5.50	4.5-6.5	6.00 - 8.00	6.0-8.0
	Cr	19.5-20.5	21.0-27.0	21.50 - 24.50	24.0-27.0	24.00 - 26.00	24.0-26.0
	Fe	Bal.	Bal.	Bal.	Bal.	Bal.	Bal.
	Mo	6.0-7.0	2.5-3.5	0.05 - 0.60	2.9-3.9	3.00 - 4.50	3.0-4.0
	Cu	0.5-1.0		0.05 - 0.60	1.5-2.5		0.5-1.0
	S	<= 0.01	<= 0.015	<= 0.03	0.03max	<= 0.015	<= 0.015
	Al						
	Ti						
	P	<= 0.03	<= 0.035	<= 0.04	<= 0.04	<= 0.035	<= 0.035
Residual	N 0.18-0.25	N 0.1-0.22	N: 0.05 - 2.00	N 0.1-0.25	N: 0.24 - 0.35	W 0.5-1.0, N 0.2-0.2	
Name	Alloy Name	Alloy 254	2205	2304	Alloy 255	2507	
USA	UNS	S31254	S31803	S32304	S32550	UNS S32750	S32760
	ASTM						
	AMS						
UK	BS						
France	AFNOR						
Germany	DIN	CrNiMoCuN 20 18 6	X2 Cr Ni Mo 22.5.3	X2 Cr Ni 23.4		X2 CrNiMo N25.6.3	
	Werkstoff Nr.	1.4547	1.4462	1.4362	1.4507	1.4410	