

Stainless Steel Chemical Composition % British Standard 970: Part 1: 1983

Grade	C	Si	Mn	Ni	Cr	Mo	Ti	S	P	Other
302S31	.12max	1.0max	2.0max	8.0/10.0	17.0/19.0			.03max	.045max	Se. 15/.35
303S31	.12max	1.0max	2.0max	8.0/10.0	17.0/19.0	1.00max*		.15/.35	.060max	
303S42	.12max	1.0max	2.0max	8.0/10.0	17.0/19.0	1.00max*		.06max	.060max	
304S11	.030max	1.0max	2.0max	9.0/12.0	17.0/19.0	• Optional addition		.03max	.045max	
304S15	.06max	1.0max	2.0max	8.0/11.0	17.5/19.0			.03max	.045max	
304S31	.07max	1.0max	2.0max	8.0/11.0	17.0/19.0			.03max	.045max	
310S31	.15max	1.0max	2.0max	19.0/22.0	24.0/26.0			.03max	.045max	Nb 10C/1.00
316S11	.030max	1.0max	2.0max	11.0/14.0	16.5/18.5	2.00/2.50		.03max	.045max	
316S13	.030max	1.0max	2.0max	11.5/14.5	16.5/18.5	2.50/3.00		.03max	.045max	
316S31	.07max	1.0max	2.0max	10.5/13.5	16.5/18.5	2.00/2.50		.03max	.045max	
316S33	.07max	1.0max	2.0max	11.0/14.0	16.5/18.5	2.50/3.00		.03max	.045max	
320S31	.08max	1.0max	2.0max	11.0/14.0	16.5/18.5	2.00/2.50	5C/.80	.03max	.045max	
321S31	.08max	1.0max	2.0max	9.0/12.0	17.0/19.0		5C/.80	.03max	.045max	
325S31	.12max	1.0max	2.0max	8.0/11.0	17.0/19.0		5C/.90	.15/.35	.045max	
347S31	.08max	1.0max	2.0max	9.0/12.0	17.0/19.0			.03max	.045max	
403S17	.08max	1.0max	1.0max	0.50max	12.0/14.0			.03max	.040max	
410S21	.09/.15	1.0max	1.0max	1.00max	11.5/13.5			.03max	.040max	
416S21	.09/.15	1.0max	1.5max	1.00max	11.5/13.5	.60max		.15/.35	.060max	
416S29	.14/20	1.0max	1.5max	1.00max	11.5/13.5	.60max		.15/.35	.060max	
416S37	.20/.28	1.0max	1.5max	1.00max	12.0/14.0	.60max		.15/.35	.060max	
416S41	.09/.15	1.0max	1.5max	1.00max	11.5/13.5	.60max		.06max	.060max	
420S29	.14/.20	1.0max	1.0max	1.00max	11.5/13.5			.03max	.40max	Se. 15/.35
420S37	.20/.28	1.0max	1.0max	1.00max	12.0/14.0			.03max	.40max	
430S17	.08max	1.0max	1.0max	0.50max	16.0/18.0			.03max	.40max	
431S29	.12/.20	1.0max	1.0max	2.0/3.0	15.0/18.0			.03max	.40max	