

# Chemical composition comparison table of commonly used stainless steel pipes (2)

serial number	grade	Standard	chemical composition											
			C (Max)	Si (Max)	Mn (Max)	P (Max)	S (Max)	Ni	Cr	Mo	Ti (Max)	Nb	N (Max)	Cu
6	00Cr17Ni14Mo2	GB/T14976	0.030	1.00	2.00	0.035	0.030	12.0-15.0	16.0-18.0	2.0-3.0				
		GB 13296												
	TP316L	ASTM A312	0.035	1.00	2.00	0.045	0.030	10.0-14.0	16.0-18.0	2.0-3.0				
		ASTM A213												
		ASTM A269												
	MT316L	ASTM A511				0.040								
SUS316LTB	JIS G3459	0.030	1.00	2.00	0.045	0.030	10.0-16.0	16.0-18.0	2.0-3.0					
	JIS G3463													
1.4404 X2CrNiMo17-12-2	EN 10297	0.030	1.00	2.00	0.045	0.015	10.0-14.5	16.0-18.0	2.0-2.5			0.11		
	EN 10216													
7	904L N08904	ASTM B677	0.02	1.00	2.00	0.045	0.035	23.0-28.0	19.0-23.0	4.0-5.0				1.0-2.0
8	ICr18Ni9Ti	GB/T14976	0.12	1.00	2.00	0.035	0.030	8.0-11.0	17.0-19.0		5(C%-0.02-0.08)			
		GB 13296												
9	0Cr18Ni10Ti	GB/T14976	0.08	1.00	2.00	0.035	0.030	9.0-12.0	17.0-19.0		5C%			
		GB 13296												
	TP321	ASTM A312	0.08	1.00	2.00	0.045	0.030	9.0-12.0	17.0-19.0		5(C+N)-0.70	0.10		
		ASTM A213												
		ASTM A269												
	MT321	ASTM A511				0.040		9.0-13.0	17.0-20.0		5C%-0.60%			
SUS321TB	JIS G3459	0.08	1.00	2.00	0.045	0.030	9.0-13.0	17.0-19.0		5C%				
	JIS G3463													
1.4541 X6CrNiTi18-10	EN 10297	0.08	1.00	2.00	0.045	0.015	9.0-12.0	17.0-19.0		5C%-0.70				
	EN 10216													
10	ICr18Ni11Ti	GB 13296	0.04-0.10	0.75	2.00	0.030	0.030	9.0-12.0	17.0-20.0		5C%-0.70			
		GB 5310												
	TP321H	ASTM A312	0.04-0.10	1.00	2.00	0.045	0.030	9.0-12.0	17.0-19.0		4(C+N)-0.70	0.10		
		ASTM A213												
	SUS321HTP	JIS G3459	0.04-0.10	0.75	2.00	0.030	0.030	9.0-13.0	17.0-20.0		4C%-0.60			
JIS G3463														
1.4940 X7CrNi18-10	EN 10216	0.04-0.08	1.00	2.00	0.040	0.015	9.0-13.0	17.0-19.0		5(C+N)-0.80		0.11		
11	0Cr18Ni11Nb	GB/T14976	0.08	1.00	2.00	0.035	0.030	9.0-13.0	17.0-19.0			10C%		
		GB 13296												
	TP347	ASTM A312	0.08	1.00	2.00	0.045	0.030	9.0-13.0	17.0-19.0			10C%-1.0		
		ASTM A213												
		ASTM A269												
	MT347	ASTM A511				0.040		9.0-13.0	17.0-20.0		10C%-1.0			
SUS347TP	JIS G3459	0.08	1.00	2.00	0.045	0.030	9.0-13.0	17.0-20.0			10C%			
	JIS G3463													
1.4550 X6CrNiNb18-10	EN 10297	0.08	1.00	2.00	0.045	0.015	9.0-12.0	17.0-19.0			10C%-1.0			
	EN 10216													