Chemical Composition of Ferritic and Martensitic Stainless Steel Tubes for General and Structural Applications

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 268/A 268M-03	TP405	---	S40500	0.08	1	1	0.04	0.03	11.5-14.5	0.5	---	Al 0.10-0.30
ASTM A 511-96	MT 405	---	---	0.08	1	1	0.04	0.03	11.5-14.5	0.5	---	Al 0.10-0.30
DIN 17456:1999	X6CrAl13	1.4002	---	0.08	1	1	0.04	0.015	12.00-14.00	---	---	Al 0.10-0.30
ASTM A 268/A 268M-03	TP410	---	S41000	0.15	1	1	0.04	0.03	11.5-13.5	---	---	---
ASTM A 511-96	MT 410	---	---	0.15	1	1	0.04	0.03	11.5-13.5	0.5	---	---
JIS G 3446:1994	SUS410TKA	---	---	0.15	1	1	0.04	0.03	11.50-13.50	---	---	---
	SUS410TKC	---	---	0.15	1	1	0.04	0.03	11.50-13.50	---	---	---
DIN 17456:1999	X12Cr13	1.4006	---	0.08-0.15	1.5	1	0.04	0.015	11.50-13.50	0.75	---	---
ASTM A 268/A 268M-03	TP409	---	S40900	0.08	1	1	0.045	0.03	10.5-11.7	0.5	---	Ti 6 x C to 0.75
BS 6323-8:1982 AMD 2:1989	LW 12	---	---	0.06	0.6	0.9	0.04	0.02	11.0-13.0	0.5	---	N 0.025; Ti 5 x C to 0.70
	LW 19	---	---	0.08	1	1	0.04	0.03	10.5-12.5	1	---	Ti 6 x C to 1.00
DIN 17455:1999	X2CrTi12	1.4512	---	0.03	1	1	0.04	0.015	10.50-12.50	---	---	Ti 6 x (C+N) to 0.65
DIN 17456:1999	X2CrTi12	1.4512	---	0.03	1	1	0.04	0.015	10.50-12.50	---	---	Ti 6 x (C+N) to 0.65
ASTM A 268/A 268M-03	TP430	---	S43000	0.12	1	1	0.04	0.03	16.0-18.0	---	---	---
ASTM A 554-03	MT-430	---	---	0.12	1	1	0.04	0.03	16.0-18.0	0.5	---	---
ASTM A 511-96	MT 430	---	---	0.12	1	1	0.04	0.03	16.0-18.0	0.5	---	---
JIS G 3446:1994	SUS430TKA	---	---	0.12	1	0.75	0.04	0.03	16.00-18.00	---	---	---
	SUS430TKC	---	---	0.12	1	0.75	0.04	0.03	16.00-18.00	---	---	---
DIN 17455:1999	X6Cr17	1.4016	---	0.08	1	1	0.04	0.015	16.00-18.00	---	---	Al 0.10-0.30
DIN 17456:1999	X6Cr17	1.4016	---	0.08	1	1	0.04	0.015	16.00-18.00	---	---	---
AFNOR NF A 49-647:1979	TS Z 8 C 17	---	---	0.1	1	1	0.04	0.03	16-18	0.5	---	---
ASTM A 268/A 268M-03	TP439	---	S43035	0.07	1	1	0.04	0.03	17.00-19.00	0.5	---	Al 0.15; N 0.04; Ti 0.20 + 4 (C + N) to 1.10
DIN 17455:1999	X3CrTi17	1.451	---	0.05	1	1	0.04	0.015	16.00-18.00	---	---	Ti 4 x (C+N)+0.15 to 0.80
DIN 17456:1999	X3CrTi17	1.451	---	0.05	1	1	0.04	0.015	16.00-18.00	---	---	Ti 4 x (C+N)+0.15 to 0.80