

CHEMICAL PROPERTIES OF BOLTS

A2-70 (SS304) & A4-80 (SS316)

	Material Designation	Material No.	C %	Si ≤%	Mn ≤%	Cr %	Mo %	Ni %	Altri %
A2	X 5 Cr Ni 1810	1.4301	≤0.07	1.0	2.0	17.5 to 19.5	-	8.0 to 10.5	-
	X 2 Cr Ni 1811	1.4306	≤0.03	1.0	2.0	18.0 to 20.0	-	10.0 to 12.0	-
	X 8 Cr Ni 19/10	1.4303	≤0.07	1.0	2.0	17.0 to 19.0	-	11.0 to 13.0	-
A3	X 6 Cr Ni Ti 1811	1.4541	≤0.10	1.0	2.0	17.0 to 19.0	-	9.0 to 12.0	Ti ≥5X % C
A4	X 5 Cr Ni Mo 1712	1.4401	≤0.07	1.0	2.0	16.5 to 18.5	2.0 to 2.5	10.0 to 13.0	-
	X 2 Cr Ni Mo 1712	1.4404	≤0.03	1.0	2.0	16.5 to 18.5	2.0 to 2.5	10.0 to 13.0	-
A5	X 6 Cr Ni Mo Ti 1712	1.4571	≤0.10	1.0	2.0	16.5 to 18.5	2.0 to 2.5	10.5 to 13.5	Ti ≥5X % C