

Wrought alloys : Chemical composition limits (per cent)

Alloy (ISS)	New	Equivalent alloy (AA) U.S.A.	Copper		Magnesium		Silicon		Iron	Manganese		* Others (Total) Max	Remarks
			Min.	Max.	Min.	Max.	Min.	Max.	Max	Min.	Max.		
1 C	19000	1100	-	0.10	-	-	-	0.5	0.6	-	0.1	0.1	Aluminium 99.0% Mn
		1200	-	0.05	-	-	Si+Fe	1.0	-	-	0.05	0.1	Aluminium 99.0% Mn
1 B	19500	1050	-	0.05	-	-	-	0.25	0.4	-	0.05	0.1	Aluminium 99.5% Mn
1 E	19501	-	-	0.04	-	-	-	0.15	0.35	-	0.03	0.1	Aluminium 99.5% Mn
		1350	-	0.05	-	-	-	0.10	0.40	-	0.01	0.1	Aluminium 99.5% Mn
-	19600	1060	-	0.05	-	-	-	0.25	0.35	-	0.03	0.1	Aluminium 99.6% Mn
-	19700	1070	-	0.03	-	-	-	0.2	0.25	-	0.03	0.1	Aluminium 99.7% Mn
H 15	24345	2014	3.8	5.0	0.2	0.8	0.5	1.2	0.7	0.3	1.2	0.5	-
H 14	24534	2017	3.5	4.7	0.4	1.2	0.2	0.7	0.7	0.4	1.2	0.5	-
N3	31000	3003	-	0.1	-	0.1	-	0.6	0.7	1.0	1.5	0.4	-
N21	43000	4043	-	0.1	-	0.2	4.5	6.0	0.6	-	0.5	0.2	-
N2	46000	4047	-	0.1	-	0.2	10.0	13.0	0.6	-	0.5	0.2	-
N4	52000	5052	-	0.1	1.7	2.6	-	0.6	0.5	-	0.5	0.4	Cr + Mn = 0.5
N5	53000	5086	-	0.1	2.8	4.0	-	0.6	0.5	-	0.5	0.4	Cr + Mn = 0.5
N6	55000	5056	-	0.1	4.5	5.6	-	0.6	0.7	-	0.5	0.4	Chromium upto 0.25
N8	54300	5083	-	0.1	4.0	4.9	-	0.4	0.7	0.5	1.0	0.4	Chromium upto 0.25
H 20 %	65032	-	0.15	0.4	0.7	1.2	0.4	0.8	0.7	0.2	0.8	0.4	**Cr = 0.15-0.35
		6061	0.15	0.4	0.8	1.2	0.4	0.8	0.7	-	0.15	0.4	Chromium 0.04 to 0.35
H 9	63400	6063	-	0.1	0.4	0.9	0.3	0.7	0.6	-	0.3	0.4	-
		6066	0.7	1.2	0.8	1.4	0.9	1.8	0.7	0.6	1.1	0.4	-
		64423	-	0.5	1.0	0.5	1.3	0.7	1.3	0.8	-	1.0	-
91E	63401	6101	-	0.05	0.4	0.9	0.3	0.7	0.5	-	0.03	0.1	-
		64401	6201	-	0.1	0.6	0.9	0.5	0.9	0.5	-	0.03	0.1
H 30	64430	6351	-	0.1	0.4	1.2	0.6	1.3	0.6	0.4	1.0	0.3	-
		6082	-	0.1	0.6	1.2	0.7	1.3	0.5	0.4	1.0	0.3	Chromium upto 0.25
-	74530	7039	-	0.2	1.0	1.5	-	0.4	0.7	0.2	0.7	0.4	Zinc 4.0 - 5.0 %
-	-	7075	1.2	2.0	2.1	2.9	-	0.5	0.5	-	0.3	0.2	Zinc (5.1 -6.1)% & Chromium(0.18-0.28) %

* Titanium and/or other grain refining elements

**Either Mn or Cr shall be present