

INDIAN			USA	Copper		Magnesium		Silicon		Iron	Manganese		*Others	Remarks	USAGE
OLD	NEW		(AA)	Min.	Max.	Min.	Max.	Min.	Max.	Max.	Max.	Max.	(Total)		
1 C	19000		1100	-	0.10	-	-	-	0.5	0.6		0.1	0.1	Aluminium 99.0% Min	Packaging lightly stresses & decorative assemblies
-	-		1200	-	0.05	-	-	Si+Fe 1.0				0.05	0.1	Aluminium 99.0% Min	
1 B	19500		1050	-	0.05	-	-	-	0.25	0.1	-	0.05	0.1	Aluminium 99.5% Min	Electrical conductors, cable sheathings, impact- extruded products, pressing utilities of anodizing quality, pen caps, piping etc.
1 E	19501		-	-	0.04	-	-	-	0.15	0.35	-	0.03	0.1	Aluminium 99.5% Min	
	-		1350	-	0.05	-	-	-	0.10	0.40	-	0.01	0.1	Aluminium 99.5% Min	
-	19700		1070	-	0.03	-	-	-	0.2	0.25	-	0.03	0.1	Aluminium 99.7% Min	
H 15	24345	#	2014	3.8	5.0	0.2	0.8	0.5	1.2	0.7	0.3	1.2	0.5		Highly stressed component of all types in aircraft, ordnance other structures, screw machine products.
H 14	24534	#	2017	3.5	4.7	0.4	1.2	0.2	0.7	0.7	0.4	1.2	0.5		
N 3	31000		3003	-	0.1	-	0.1	-	0.6	0.7	1.0	1.5	0.4		
N 21	43000		4043	-	0.1	-	0.2	4.5	6.0	0.6	-	0.5	0.2		Welding wire, architectural applications.
N 2	46000		1017	-	0.1	-	0.2	10.0	13.0	0.6	-	0.5	0.2		
N 4	52000		5052	-	0.1	1.7	2.6	-	0.6	0.5	-	0.5	0.4	Cr + Mn = 0.50/0	Structures exposed to marine atmosphere, aircraft ship building, parts, wire rope ferrules, rivet stock.
N 5	53000		5086	-	0.1	2.8	4.0	-	0.6	0.5		0.5	0.4	Cr + Mn = 0.5%	
N 6	55000		5056	-	0.1	4.5	5.6	-	0.6	0.7		0.5	0.4	Chromium upto 0.250/0	Zips, Welding Rods and Rivets.
N 8	54300		5083	-	0.1	4.0	4.9	-	0.4	0.7	0.5	1.0	0.4	Chromium upto 0.25%a	
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%	Heavy duty building hardware for bus body,rivets etc
-	-		6061	0.15	0.4	0.8	1.2	0.4	0.8	0.7		0.15	0.4	Cr 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		Good surface finish, medium strength,anodized sec.
-	-	#	6066	0.7	1.2	0.8	1.4	0.9	1.8	0.7	0.6	1.1	0.4		Welded struct., textile parts, heavy duty m/c parts.
-	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		High strength electrical busbar sections.
-	64401	#	6201	-	0.1	0.6	0.9	0.5	0.9	0.5	-	0.03	0.1		Overhead conductors,ACAR and AAAC.
H 30	64430	#	6351	-	0.1	0.4	1.2	0.6	1.3	0.6	0.4	1.0	0.3		General engg. item rail, vehicles, bridges, cranes
-	-		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 %	Excellent welding property with no loss of str
-	-	#	7075	1.2	2.0	2.1	2.9	-	0.40	-	2.1	2.9	0.15	-	-