



STANDARD PRODUCTS OF NALCO

DOC/QC/SPEC/01/STRIP

ISSUE No 004.Rev 00

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CAST STRIPS

SL.NO	PRODUCT	PRODUCT DESCRIPTION	SPECIFICATIONS											PRODUCT CODE	
			% Si	%Fe	%Cu	%Mn	%Mg	% Cr	%Zn	%Ti	%V	% Other Impurities Each	% Other Impurities Total		% Aluminum
1	ALLOY AA 3003	ALUMINUM CAST STRIP (CS 03)	0.60 max	0.70 max	0.05 to 0.20	1.00 to 1.50	-	-	0.10 max	-	-	0.05 max	0.15 max	-	CS 03
2	ALLOY AA 1050	ALUMINUM CAST STRIP (CS 10)	0.25 max	0.40 max	0.05 max	0.05 max	0.05 max	-	0.05 max	0.03 max	0.05 max	0.03 max	-	99.50 min	CS 10
3	ALLOY AA1100	ALUMINUM CAST STRIP (CS 11)	0.95 (Si + Fe) max		0.05 to 0.20	0.05 max	-	-	0.10 max	-	-	0.05 max	0.15 max	99.00 min	CS 11
4	ALLOY AA1200	ALUMINUM CAST STRIP (CS 12)	1.00 (Si + Fe) max		0.05 max	0.05 max	-	-	0.10 max	0.05 max	-	0.05 max	0.15 max	99.00 min	CS 12
5	ALLOY AA1235	ALUMINUM CAST STRIP (CS 35)	0.65 (Si + Fe) max		0.05 max	0.05 max	0.05 max	-	0.10 max	0.06 max	0.05 max	0.03 max	-	99.35 min	CS 35



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			% Si	% Fe	% Cu	% Mn	% Mg	% Cr	% Zn	% Ti	% V	% Other Impurities Each	% Other Impurities Total	% Aluminum	
6	ALLOY AA5050	ALUMINUM CAST STRIP (CS 50)	0.40 max	0.70 max	0.20 max	0.10 max	1.10 to 1.80	0.10 max	0.25 max	-	-	0.05 max	0.15 max	-	CS 50
7	ALLOY AA5052	ALUMINUM CAST STRIP (CS 52)	0.25 max	0.40 max	0.10 max	0.10 max	2.20 to 2.80	0.15 to 0.35	0.05 max	-	-	0.05 max	0.15 max	-	CS 52
8	ALLOY AA8011	ALUMINUM CAST STRIP (CS 80)	0.50 to 0.90	0.60 to 1.00	0.10 max	0.20 max	0.05 max	0.05 max	0.10 max	0.08 max	-	0.05 max	0.15 max	-	CS 80
9	ALLOY AA5086	ALUMINUM CAST STRIP (CS 86)	0.40 max	0.50 max	0.10 max	0.20 to 0.70	3.50 to 4.50	0.05 to 0.25	0.25 max	0.15 max	-	0.05 max	0.15 max	-	CS 86
10	ALLOY AA3105	ALUMINIUM CAST STRIP (CS31)	0.60 max	0.70 max	0.30 max	0.30 to 0.80	0.20 to 0.80	0.20 max	0.40 max	0.10 max	-	0.05 max	0.15 max	-	CS31



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CAST STRIPS (CONTD.)

DIMENSIONS:

1. STRIP WIDTH (TRIMMED) : (i) 950 to 1600 mm for Alloy 1000 series
: (ii) 1270 to 1480 mm for Alloy AA8011 series
: (iii) 1220 mm (max)for Alloy 3004 and 5000 series
2. STRIP GAUGE : (i) 6 to 8 mm for 3000 , 5000 & 8000 series
: (ii) 6 to 10 mm for 1000 series
3. COIL OUTER DIA (max) : 1900 mm
4. COIL INNER DIA (max) : 610 mm
5. CROWN (max) : 0 to 2.00 % (positive crown only)
(EDGE-CENTRE-EDGE)

TOLERANCES:

1. STRIP GAUGE : ± 0.2 mm
2. STRIP WIDTH : ± 4 mm
3. TELESCOPICITY OF THE COIL : ± 8 mm



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LIST OF ABBREVIATIONS

ABBREVIATION	EXPANDED FORM	ABBREVIATION	EXPANDED FORM
AA	Aluminium Association (Standards)	Imp	Impurities
Al	Aluminium	Max	Maximum
Approx	Approximate	Min	Minimum
Cr	Chromium	Mg	Magnesium
Cu	Copper	Mn	Manganese
EC	Electrical Conductor	Ni	Nickel
Fe	Iron	OI	Other Impurities
HP	High Purity	Si	Silicon
Sl.No	Serial Number	Zn	Zinc
Ti	Titanium	V	Vanadium