

Aluminium Rod

Applicable Standard For Aluminium

Type	Applicable Standard
1350	ASTM B-230, ASTM B-233, IEC 207
1120	AS - 1531
6101, 6201	ASTM B-398, IEC 208
6061, 6162	ASTM B-308, AS 1865

- Other type standards are available upon customer's request



Specification

Type	Temper	Diameter	PROPERTIES						PURPOSES		
			Ultimate Tensile Strength			Elongation	Resistivity	Conductivity	A	B	C
		mm ²	Ksi	Mpa (N/mm ²)	Kg/mm ²	%	Ohm.mm/m	% IACS			
1070	-	7.6, 9.5, 12	12.0 - 17.0	83 - 117	8.5 - 11.9	8	0.027899	61.8	•		•
1120	H12	7.6, 9.5	17.4 - 26.1	120 - 180	12.2 - 18.3	5	0.029220	59.0	•		•
1350	O	7.6, 9.5, 12	8.5 - 14.0	59 - 97	6.0 - 9.9	8	0.027899	61.8	•		•
	H12		12.0 - 17.0	83 - 117	8.5 - 11.9	8	0.028035	61.5	•		•
	H14		15.0 - 20.0	103 - 138	10.5 - 14.1	6	0.028080	61.4	•		•
	H16		17.5 - 22.0	117 - 152	11.9 - 15.5	6	0.028126	61.3	•		
6061	T81 & T91	≤ 7.6*	52.20	360	36.70	5	0.047890	36.0		•	
		> 7.6**	49.30	340	34.70	7	0.047890	36.0			
6101	T4	7.6, 9.5	21.7 - 30.4	150 - 210	15.3 - 21.4	8	0.033156	52.0	•		
6162	T81 & T91	≤ 7.6*	46.96	324.00	33.03	5	0.047890	36.0		•	
		> 7.6**	42.03	290	29.56	7	0.047890	36.0			
6201	T4	7.6, 9.5	26.1 - 34.8	180 - 240	18.3 - 24.3	8	0.033478	51.5	•		•

Note : - Other type can be manufactured as per customer request

- (*) : Hard drawn wire minimum Φ 2.95 mm
- (**) : Hard drawn wire maximum Φ 9.27 mm
- A : Electrical Conductor
- B : High Mechanical
- C : Deoxidant

Packing

MATERIALS	DIAMETER	COIL WEIGHT	COIL DIMENSION				IDENTIFICATION
	mm	Kgs	Type	ID	OD	H	
ALUMINIUM	12	1000 - 1200	Compacted Coil	550	1100	850	Coil Serial Number, Production date, Material Designation, Weight, Tensile Strength, Elongation and Conductivity
	9.5	1500 - 2000	Compacted Coil	550	1500	850	
	7.6	1500 - 2000	Loose Coil	600	2000	1500	
	≤ 7.6*	700.00	Compacted Coil	550	900	850	
	> 7.6 **	350.00	Wooden Reel 950	-	950	700	

Note : - Other type of Packaging will followed as per customer request