

PRODUCT

ALUMINIUM



Product Description

All aluminium strip and heavy rounds are manufactured from high quality continuous cast EC Grade rod.

Refinery Designation: Aluminium 1350, drawing stock for electrical purposes.

Specification

AS/NZS 1865:1997

Tolerances

Diameter Tolerances - Round Wire (Except Machining Grade)

Specified Diameter (Plus or Minus)	Diameter Tolerance *
millimetres	
≤ 0.30	0.010
> 0.030 ≤ 0.70	0.015
> 0.70 ≤ 1.50	0.025
> 1.50 <math>< 10.00</math>	0.050

* Deviates from specified diameter.

Edge or Corner Radius Tolerance - Strip, Rectangular or Shaped Wire

Specified Thickness	Edge / Corner Radius*	Edge / Corner Radius Tolerance + / -
millimetres		
≤ 1.00	0.5 x thickness	0.08
> 1.00 ≤ 1.50	0.50	0.08
> 1.50 ≤ 2.00	0.50	0.10
> 2.00 ≤ 2.50	0.60	0.10
> 2.50 ≤ 6.50	0.80	0.13

* The arc need not be tangential to the flats but the wire should be substantially free from sharp, rough or projecting edges.

Note: The edge or corner radius tolerance is the allowable deviation from the specified radius.

Thickness and Width Tolerance - Strip, Rectangular, Square Bar and Shaped Wire (Except Machining Grade)

Specified Thickness	Thickness or Width Tolerance + / -	
	Strip & Shaped Wire or Width	Rectangular & Square Bar
millimetres		
≤ 1	0.025	-
> 1 ≤ 3	0.04	-
> 3 ≤ 6	0.05	-
> 6 ≤ 12	0.08	-
> 12 ≤ 16	0.10	-
> 10 ≤ 25	-	0.10
> 25 ≤ 50	-	0.15
> 50 ≤ 75	-	0.20



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