

Primary Aluminium Wire Rod

Wire diameters	9.5 / 12.0 / 15.0 / 19.0 mm
Coil weight	2000 / 3000 kg
Coil diameters	max. 1450 / 1660 mm
Min. Al	99.7 %



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Chemical composition - corresponding to EN AW1370 in EN 573-3:2007

in Mass %

Al (min.)	Impurities (max.)							
	Si	Fe	Cu	Mn	Mg	Cr	Zn	B
99.7	0.1	0.2	0.02	0.01	0.02	0.01	0.04	0.02

Analysis method: optical emission as per ASTM E 1251-07

Mechanical and electrical characteristics

Metallurgical delivery temper	Mechanical characteristics*			Electric characteristics* (temperature 20°C)	
	Tensile strength R _m [Mpa]		Typical elongation A ₁₀₀ [%]	Resistivity [μΩcm]	Conductivity [% IACS]
	min.	max.	Usual values	max.	min.
H14	115	130	13	2.801	61.5
H13	105	120	16	2.801	61.5
H12	95	110	20	2.801	61.5
H11	80	95	25	2.785	61.9

*Analysis method: EN 10002-1:2001 ASTM B 557:2006

*Analysis method: ASTM B 193:2002

Diameters

in mm

According to the diameter, the metallurgical tempers which may be produced are as follows:

Diameter	Diameter tolerances	Metallurgical deliver temper
9.5	+ 0,5	H12/H13/H14
12.0	+ 0,5	H11/H12/H13
15/19	+ 0,5	H11

For a diameter of 9.5 mm, we can also produce wire rods with tensile strength ranging between 90 and 100 Mpa.

Coil dimensions and weight

Coil weight	Inner diameter	Maximum outside diameter	Height
[kg]	[mm]	[mm]	[mm]
2000	560 ± 25	1450	860 ± 20
2000	760 ± 25	1450	860 ± 20
3000	760 ± 25	1660	860 ± 20

Packaging

Horizontal axis (eye-to-the-wall) or vertical axis (eye-to-the-sky) depending on customer requirements.