

1350 ALLOY (EC)

ALUMINUM CONTINUOUS CAST RE-DRAW ROD



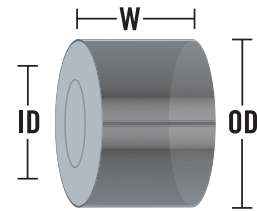
For Electrical and
Mechanical Applications

PRODUCT DESCRIPTION

- Non-heat-treatable alloy
- Principle alloying elements: none (primary trace elements: iron and silicon)
- Density: 2.705 g/cm³
- Standard diameter:* .375," .500," .875" (9.5mm, 12.7mm, 22.2mm)
- Tempers supplied: O (Annealed), H (Strain Hardened)

STANDARD PACKAGING * * Randomly wound:

- **Weight:** 5,600 lbs (2,540 kg)
- **ID:** 30.75" (78.10 cm)
- **OD:** 61.50" (156.21 cm)
- **W:** 34.00" (86.36 cm)
- **Option:** Palletized, eye-to-the-sky, ID and/or OD wrapping
- Rod surface condition: very clean to oiled



END-USE APPLICATION

- Electrical conductor and magnet wire
- Metallizing wire
- Fence tie wire
- Various round wire products

GENERAL INFORMATION

- Alloy equivalent or similar to: E-AI (Austria), A5/L (France), EA1995 (Germany), 1E (Great Britain)
- Wire specification: ASTM B230, B230M, B609, B609M

*other diameters: .375" (9.5mm) – 1.0" (25.4mm) available based upon minimum quantity requirements.

**other packaging: 4,000 lbs. (1,814 kg) – 7,500 lbs. (3,402 kg) available based upon minimum quantity requirements.



ALUMINUM ROD

TYPICAL PROPERTIES

TEMPER	ULTIMATE TENSILE STRENGTH		PERCENT ELONGATION IN 10"	CONDUCTIVITY % IACS	RESISTIVITY OHM-mm ² /mm	TEMP. COEFF. OF RESISTANCE @ 20°C
	ksi	(MPa)				
ROD (.375")						
H12	14.5	(100)	22	61.6	0.027988	0.00407
H14	16.5	(115)	12	61.5	0.028034	0.00406
H16	19.0	(130)	7	61.4	0.028080	0.00406
H18	22.0	(150)	5	61.4	0.028080	0.00406
WIRE (10 AWG)						
0	10.0	(70)	—	62.0	0.027808	0.00410
H12, H22	14.5	(100)	—	61.6	0.027988	0.00407
H14, H24	17.5	(120)	—	61.5	0.028034	0.00406
H16, H26	19.5	(130)	—	61.4	0.028080	0.00406
H19	26.0	(180)	1.6	61.2	0.028176	0.00404

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