

triple e™

ALUMINUM CONTINUOUS CAST RE-DRAW ROD

1050 ALLOY/triple e™

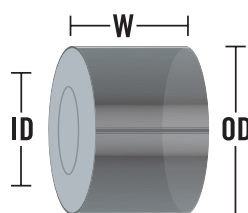


PRODUCT DESCRIPTION

- Non-heat-treatable alloy
- Principle alloying elements: iron
- Density: 2.71 g/cm³
- Standard diameter: * .375", .500" (9.5mm, 12.7mm)
- Tempers supplied: 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
- Magnet wire

For Electrical Applications

GENERAL INFORMATION

- Wire specification: ASTM B800
- No intermediate anneal can be assumed in processing H24 WIRE
- Conductivity of H24 wire increased up to 1% by batch annealing rather than in-line resistance annealing
- AA designation: 8176 alloy

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")						
H24	15-20	(105-140)	12-15	59	0.029222	0.00390
WIRE (10 AWG)						
H24	17-19	(115-130)	10-14	61	0.028264	0.00403
H19	30-35	(205-240)	<2	59	0.029222	0.00390

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

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

