

# 1100 ALLOY

## ALUMINUM CONTINUOUS CAST RE-DRAW ROD



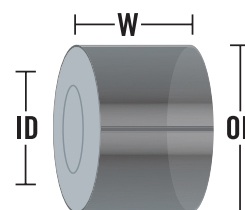
For Mechanical Applications

### PRODUCT DESCRIPTION

- Non-heat-treatable alloy
- Principle alloying elements: none (primary trace elements: iron, silicon and copper)
- Density: 2.71 g/cm<sup>3</sup>
- Standard diameter:\* .375," .500" (9.5mm, 12.7mm)
- Tempers supplied: F (as Fabricated)

### 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

- Welding wire
- Metallizing wire
- Cold heading wire
- Various round wire products

### GENERAL INFORMATION

- Alloy equivalent of similar to 990C (Canada), A45 (France)
- Wire specifications: ASTM B211

TYPICAL PROPERTIES			
TEMPER	ULTIMATE TENSILE STRENGTH		PERCENT ELONGATION IN 10"
	ksi	(MPa)	
<b>ROD (.375")</b>			
F	17.5	(120)	18
<b>WIRE (10 AWG)</b>			
0	13	(90)	—
H12	15	(105)	—
H14	17	(115)	—
H16	20	(140)	—
H19	22	(150)	—

\*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