

# 5154A ALLOY

## ALUMINUM CONTINUOUS CAST RE-DRAW ROD



For Mechanical Applications

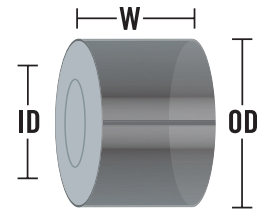
### PRODUCT DESCRIPTION

- Non-heat-treatable alloy
- Principle alloying elements: magnesium
- Density: 2.60 g/cm<sup>3</sup>
- Standard diameter:\* .375" (9.5mm)
- 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

- Insect screening
- Shielding wire for co-axial cable
- Various round wire products

### GENERAL INFORMATION

- Wire Specification: ASTM B211
- Polycrystalline diamond dies recommended for drawing to prevent die galling
- Maximum reduction (in area) by drawing before annealing: 95%

TYPICAL PROPERTIES			
TEMPER	ULTIMATE TENSILE STRENGTH		PERCENT ELONGATION IN 10"
	ksi	(MPa)	
ROD (.375")			
F	35-36	(225-250)	18
WIRE (10 AWG)			
0	34	(235)	20-25
H32	38	(260)	—
H34	41	(280)	—
H36	44	(305)	—
H38	48	(330)	—
H39	50	(345)	—

\*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