

DEOX

ALUMINUM CONTINUOUS CAST ROD



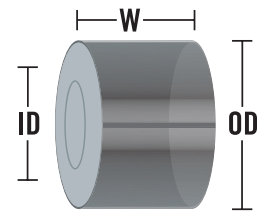
For Steel
Deoxidation

PRODUCT DESCRIPTION

- Non-heat-treatable alloy
- Principle alloying elements: none (primary trace elements: magnesium, iron and silicon)
- Density: 2.70 g/cm³
- Standard diameter:* .375" (9.5mm), 500" (12.7mm), .6875" (17.5mm)
- Tempers supplied: F

STANDARD PACKAGING ** Randomly wound:

- **Weight:** 4,000 lbs (1,814 kg)
- **ID:** 30.75" (78.10 cm)
- **OD:** 56.50" (143.51 cm)
- **W:** 34.00" (86.36 cm)
- **Option:** Palletized, eye vertical or horizontal
- Rod surface condition: very clean to oiled



END-USE APPLICATION

- Deoxidation of steel through ladle refinement

GENERAL INFORMATION

- In the pursuit of correct steel chemistry, temperature and the maximum removal of sulphur, phosphorus and dissolved gases, the single most important step is the deoxidation of steel.

ADVANTAGES OF ROD

- Ease of addition
- Rapid rate of reaction
- Low cost
- Strong affinity for oxygen
- Grain refinement properties

TYPICAL PROPERTIES			
TEMPER	ULTIMATE TENSILE STRENGTH		PERCENT ELONGATION IN 10"
	ksi	(MPa)	
ROD (.375")			
F	15-24	(105-165)	10 – 15

*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