

# SELECT AN ALLOY FOR DUCTILE IRON

Improved Nucleation & Graphite Structure  
 ↓  
 Less Casting Porosity  
 ↓  
 Reduced Chill, Improved Machinability  
 ↓  
 Lower Scrap Rates  
 ↓  
 Fewer Dross Defects  
 ↓  
 Higher Magnesium Recoveries, Fewer Iron Emissions

## NODULARIZERS – Convert Graphite into Nodular Structure

<b>Lamet® Nodularizer</b>	●	●	●	●			Maximum nodule count and nodularity, less shrinkage.
<b>Elmag® Nodularizer</b>	●						Various grades tailored to various treatment processes, including long-holding times.
<b>Remag® Nodularizer</b>	●		●				Ideal for thin sections.

## COVER ALLOYS AND PRECONDITIONERS – Enhance Nodularization

<b>Topseed® Conditioner</b>	●		●		●	●	Cover for nodularizer in ladle pocket, delaying Mg reaction and improving recoveries.
<b>Preseed® Preconditioner</b>		●	●	●			Furnace addition that improves graphite structure.

## INOCULANTS – Reduce or Eliminate Chilled Sections

<b>Alinoc® Inoculant</b>	●	●	●				Designed for ferritic and ferritic/pearlitic grades.
<b>Barinoc® Inoculant</b>	●		●				Designed for medium-to-heavy sections.
<b>Reseed® Inoculant</b>	●	●	●	●			Effective with pure Mg and magnesium-ferrosilicon.
<b>Ultraseed® Bi Inoculant</b>	●		●				Provides strong chill reduction, high nodule density.
<b>Ultraseed® Ce Inoculant</b>	●	●	●	●			Provides strong chill reduction, less microporosity.
<b>Ultraseed® Zr Inoculant</b>	●		●				Provides strong chill reduction, high nodule count.

### Need more information?

Your Elkem technical-sales representative will help you select the product and nodularization practice (including the ladle pocket) that is most suitable for your foundry conditions. Please contact:

#### In the U.S.A.: Elkem Materials Inc.

P.O. Box 266; Pittsburgh, PA; 15230; Tel: +1-800-848-9795; Fax: +1-412-299-7238; e-mail: customerservice@elkem.com

#### In Canada: Elkem Metal Canada Inc.

1685 Main Street West; Hamilton, Ontario L8S 1G5; Tel: +1-905-572-7273; Fax: +1-905-572-6741; e-mail: ham.sales@elkem.com

#### In Mexico: Martin Foundry Products

Av. del Carmen 162; Col. Villa del Carmen; CP 25016 Saltillo, Coahuila; Tel: +52-844-163-0624; e-mail: martin.flores@mfp.com.mx

#### In South America: Elkem Materials South America, Ltd.

Rue Dona Francisca, 8300; Zona Industrial Norte; CEP: 89219-600 Joinville SC; Brazil; Tel: +55 47-3130-5200; e-mail: antonio.carrascosa@elkem.com

[www.elkem.com](http://www.elkem.com)



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