



Packaging Options

Injection wire packaging can be tailored to meet the customer's needs and we are happy to discuss specific requirements on request. However, in most cases, injection wires will be supplied in coiled packages as described below.

Wire diameter 9.3mm				Wire diameter 13mm and 16mm			
Length (metres)	I.D. (mm)	O.D. (mm)	Width (mm)	Length (metres)	I.D. (mm)	O.D. (mm)	Width (mm)
5900	720	1112	820	3400	600	1100	800
				3600	600	1125	800
				3850	600	1150	800
				4200	600	1200	800
				4700	600	1250	800
				5100	600	1300	800

Note:
All coils are available in either vertical or horizontal presentation, and up to 1200mm in width. Other inner diameters are available on request.

Typical diameter : density relationship by product (grams/metre)						
Product	Description	4mm	5mm	9mm	13mm	16mm
Hi-Cal [®]	Pure Calcium			54		
CaSi	Calcium-silicon	16	25	110	225	330
CaFe	Calcium-iron			122	250	365
AlCaFe	Aluminium-calcium-iron				200	300
FeTi	Ferrotitanium	25	40	165	370	570
S	Sulphur				190	280
FeB	Ferroboron	30	45	200	550	825
C	Carbon				140	205
Mg	Magnesium	10	15	60	140	210
NOC	Ferrosilicon inoculant	18	27	110	240	



About Injection Alloys Group

The company:

Injection Alloys is a group of companies with manufacturing facilities and commercial offices in many locations across the globe. The head office is in Cambridge in the United Kingdom, where it was founded in 1985.

The people:

Injection Alloys considers its people to be its most important asset. The Group employs a wide range of technical and commercial experts, all working to provide solutions to your wire feeding and steel treatment requirements. We work in harmony to give the very best in service, support and productivity for the customer.

Our mission:

To tirelessly promote and deliver the very best customer service, satisfaction and technical support, through the progressive development and introduction of innovative products, processes and supply chain solutions.

Our policy on the environment:

We will always operate with the environment in mind and always strive to minimise the effect that our business has on it, by minimising waste and energy consumption and developing products that support our customers in their efforts to reduce the effect that they have on the environment.

Product Range

Wire diameters

- Nominal 9mm for Hi-Cal[®] seamless ultra high yield cored wire
- Industry standard 13mm and 16mm for conventional cored wires
- Smaller sizes for foundry applications available
- Other diameters available on specific request

Wire feeders

Injection Alloys offers a range of wire feed machines in single, twin, or four strand configurations. However, we do work with our customers to develop and supply wire feeders customised for specific applications and products in both the steel and foundry industries.

Please see our technical data sheets for further information.

Typical wire types and applications

Hi-Cal [®]	Pure calcium	The seamless solution to ultra high calcium yields
CaSi	Calcium-silicon	Inclusion modification and castability
CaFe	Calcium-iron	Low silicon steel modification
AlCaFe	Aluminium-calcium-iron	High recovery modification
FeTi	Ferrotitanium	Microalloying and deoxidisation
S	Sulphur	Re-sulphurising of engineering steels
FeB	Ferroboron	Microalloying
C	Carbon	Trimming addition
Mg	Magnesium	Desulphurisation and nodularisation
NOC	Ferrosilicon inoculant	FeSi and rare earth for late inoculation
CaCN ₂	Calcium cyanamide	Adding nitrogen to steels

All products could be colour coded to customer specification.
Many other grades available on customer request.

innovative solutions