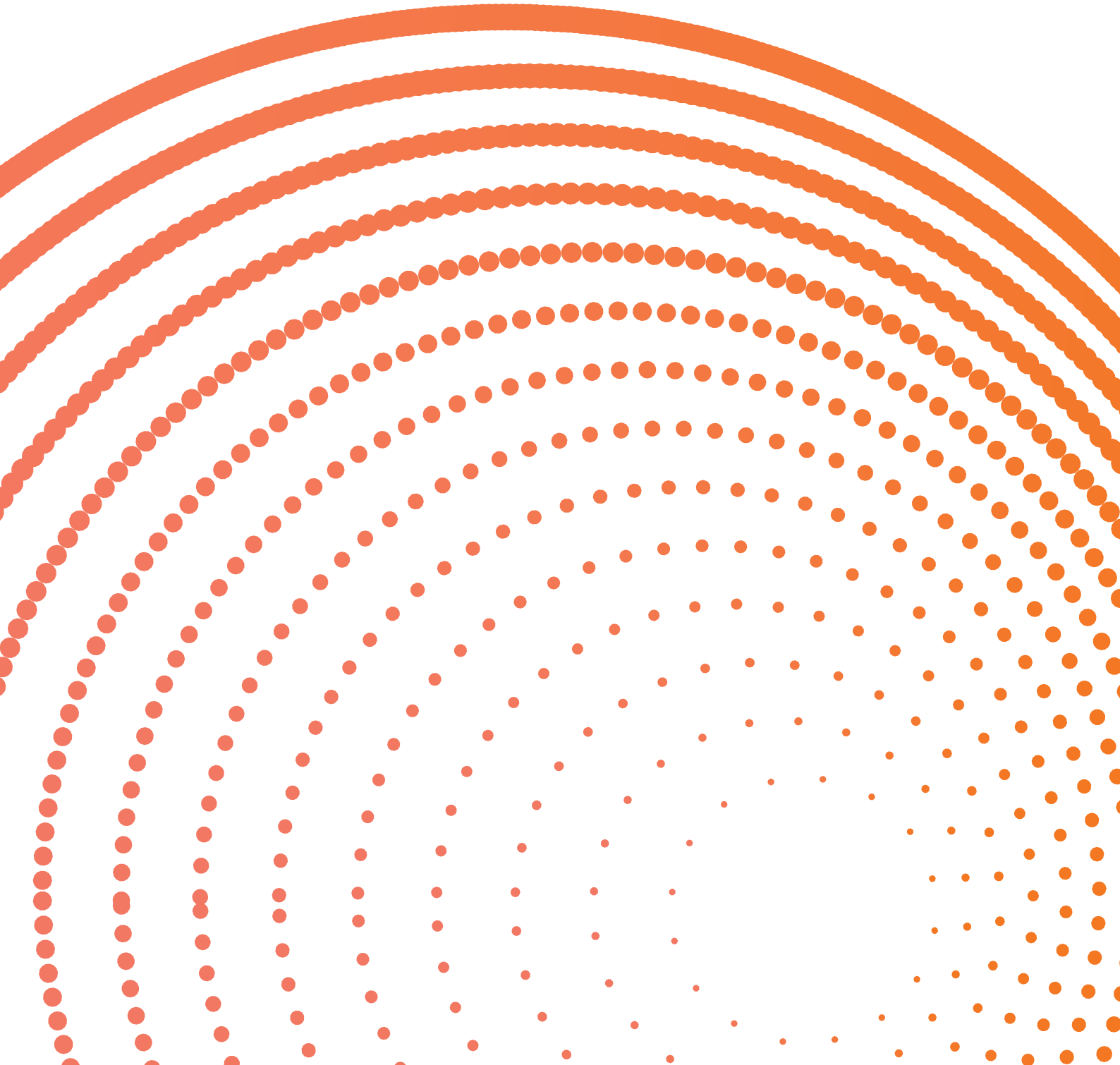
Rod Milling Technical Specifications

MOLYCOP

High Carbon Rods

Milling



Rod Milling High Carbon Rods

Complete metallurgical control is maintained from melting through rolling and final processing. Although not heat-treated to high hardness, special thermal processing is employed to assure soundness and resistance to premature breakage.

Supply and Quality Guarantee

Long established strategic relationships with local and foreign raw material suppliers allow us to ensure all balls supplied to our customers are made from the highest quality products and meet strict Molycop specifications. This combined with our global manufacturing network gives our customers the confidence in the quality of the product that only Molycop is able to assure.

Product Specifications

Sizes

Molycop supplies High Carbon steel grinding rods produced from electric furnace steel in diameters 1.0" through 4.0".

Chemistry

Our high carbon rod has the chemical requirements to comply with AISI 1090. Chemical analysis typical of that used in Molycop High Carbon grinding rods is as follows:

Chemistry % 1.5"- 4"

C	Mn	Si	Cr	Mo
Min./Max.	Min./Max.	Min./Max.	Min./Max.	Max.
0.70-1.05	0.60-1.05	0.10-0.36	0.10-0.95	0.10

Hardness, length and straightness

Molycop High Carbon grinding rods are available in lengths up to 21' cut in whole inch increments with a length tolerance of +/- 1". Rods are produced to a straightness of 1/8" camber per 5 linear feet.

Hardness

Hardness Scale	HRC		Brinell	
Value	Min.	Max.	Min.	Max.
1.5"- 4"	26	34	260	320

The above is intended as a guide only. Individual rod hardness readings may fall outside the range listed above.

Packaging Options

Packaging Options

Molycop heat treated grinding rods can be supplied in strapped bundles with bundle weights or rod counts to suit individual customer requirements. The product can be transported in bulk by open top trucks or in standard 20ft containers.

If you're interested in exploring Molycop's products and services, we're here to help.

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molycop.com