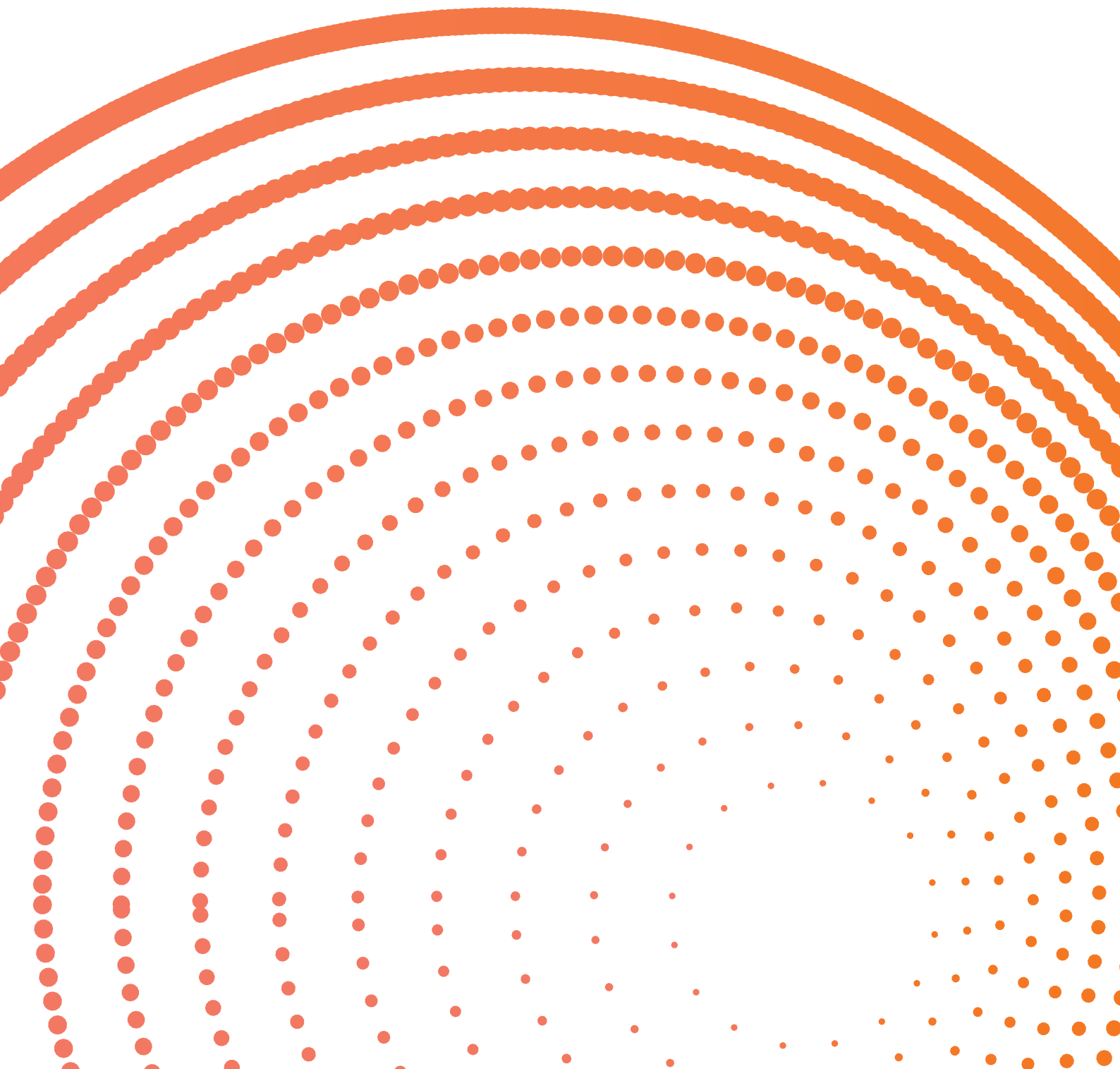


Rod Milling Technical Specifications



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	
	Min.	Max.	Min.	Max.
1.5"- 4"	26	34	260	320

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.

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



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



molycop.com

All Rights Reserved 2023

This publication has been prepared by Moly-Cop Global Holdings Inc. on its behalf and as agent for each of its related companies. All information contained in this publication is subject to change, replacement and/or modification at any time, without notice. Moly-Cop Global Holdings Inc. expressly disclaims all warranties, whether expressed or implied, oral or written, including any implied warranty of merchantability, fitness for a particular purpose, non-infringement, or other warranties arising from course of dealing, course of performance, usage of trade, or otherwise. The information is provided on an "as is" and "as available" basis. The information is provided for informational purposes only and Moly-Cop Global Holdings Inc. does not warrant the accuracy of any information or that the information will be error-free. Users of this publication are responsible to verify the accuracy and completeness of all information. Moly-Cop Global Holdings Inc. shall have no liability for any losses or damages of any kind arising out of or resulting from this publication, its contents and any use thereof.

Photographs shown are representative only of typical applications and are current as of August, 2023. This publication is not an offer to trade and shall not form any part of the trading terms in any transaction.

Reproduction in whole or in part, in any form or medium without the express written permission of Moly-Cop Global Holdings Inc. is prohibited. All images and content, trademarks or registered trademarks are the property of Moly-Cop Global Holdings Inc.

