

# RoscoeMossDISPATCH

Field stories and the tools that fuel them.



SPRING 2024 VOL. 10

## Custom Pipe Diameters and Fabrication



ROSCOEMOSS.COM





50 YEARS

# Spiral Pipe

For the past 50 years, Roscoe Moss Company has operated two spiral pipe mills to manufacture its pipe products. Utilizing the spiral pipe manufacturing process allows Roscoe Moss Company to change its setup from one diameter pipe to another in a

relatively quick manner. This bodes well for its production efficiency, as water well drilling

contractors can place orders for well casing in diameters ranging from 6.625" to 24", while Roscoe Moss Company's transmission pipe customers can place orders up to 60" in diameter. However, the most important benefit of utilizing the spiral manufacturing process is the ability to manufacture pipe in custom diameters that are not offered on the open market place.

In early 2024 a large copper mine in North America contacted Roscoe Moss Company about fabricating a custom diameter

casing for a utility borehole that would service its underground mining operations. For this specific project, the borehole would reach a depth of 2,190' and would encase 2 power cables transmitting 35KV of power, along with 4 fiber optics cables. Additionally, the power cables and the fiber optic cables would need to be isolated from each other to ensure no physical contact. Lastly, the mine management was pushing the design team to find the most economical solution, while the project management & electrical teams were pushing for the largest diameter necessary to safely house the cables.

Roscoe Moss Company was able to present a custom 13" OD pipe option with unique dividers welded throughout the interior of the pipe to safely and securely separate the cables from each other.

Additionally, alignment markers and handling lugs were added for ease during field installation. This creative design was able to meet the

economic concerns of the mine management, as well as satisfy the operational goals of the project managers, all while being designed and fabricated from Roscoe Moss Company's facility in Los Angeles and delivered to the mine in a timely manner.



Do not hesitate to contact Roscoe Moss Company with any inquires for custom diameters or fabrication needs.

