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Materion Introduces New ToughMet® Products

Product Innovations Offer More Design Flexibility for Oil and Gas Equipment

MAYFIELD HEIGHTS, Ohio--(BUSINESS WIRE)-- [Materion](#) Corporation (NYSE: MTRN), an advanced materials solutions provider, has introduced two new ToughMet® products engineered to improve the reach, reliability and accuracy of oil and gas equipment components. The new products offer greater design flexibility and versatility for use in more demanding oil and gas applications.

ToughMet 3 TS 130 is a new temper of the company's high strength, spinodally hardened copper-nickel-tin alloy that offers increased ductility to withstand more strain in directional drilling tools. In addition, the company now produces all of its ToughMet 3 TS tempers in large diameter bars more than twice the diameter previously available.

ToughMet 3 was originally developed for use in oil and gas applications, and the material continues to fuel innovative solutions that enhance performance, production and profitability for Materion's customers.

Last September, Materion introduced patent-pending ToughMet 3 Sucker Rod Couplings that maximize oilfield production output and significantly reduce the costs of well operations when used in place of sucker rod couplings made of conventional steel materials. The couplings were tested by Hess in oilfields in North Dakota where they significantly minimized the frequency of workovers associated with couplings made of other materials.

"At Materion, we strive to deliver high quality products that meet the needs of our customers," said W. Glenn Maxwell, President, Materion Performance Metals. "Customers wanted a copper alloy that they could use for more components in directional drilling tools. We modified ToughMet to get the strength and ductility they need. Customers have also been asking for larger diameter ToughMet bars for use in additional applications. We're pleased to introduce both of these options."

To learn more about ToughMet 3 TS 130, ToughMet 3 large diameter bars, ToughMet Sucker Rod Couplings or Materion's comprehensive portfolio of oil and gas products and services, please visit: www.materion.com/oilandgas.

About Materion

Materion Corporation is headquartered in Mayfield Heights, Ohio. Through its businesses, the company supplies worldwide markets with alloy products, beryllium products, electronic products, precious metal products, and engineered material systems. Around the world, the company's engineered materials can be found in technically demanding end-use products within the telecommunications and computer, automotive electronics, appliance, industrial components, plastics tooling, optical media, oil and gas, aerospace and defense, and off-highway and mining equipment markets. Visit www.Materion.com for more information.



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