

Bondstrand Guide

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Bondstrand Guide

Bondstrand GRE is highly resistant to corrosion caused by (salt) water, chemicals, residues and bacteria. Similarly, it resists corrosion even in aggressive environments. Cathodic protection is not required. Lightweight - easy to install Bondstrand GRE pipes weigh only a quarter to an eighth of steel pipes

BONDSTRAND™ - NOV

Marine & Offshore Designing the Bondstrand system This guide contains general information for designing suspended Bondstrand piping systems. This information, in conjunction with good general engineering practice and the designer's good judgment, must all be applied to complete a successful and economical piping system. Installation of

Bondstrand Guide - Give Local St. Joseph County

Description. For over 65 years, Bondstrand™ has been a leading and trusted provider of corrosion-resistant, non-metallic composite solutions for marine and offshore, chemical, industrial, and mining project applications. Combined with our unique range of engineering services, Bondstrand provides end users with versatile alternatives to traditional materials—including glass-reinforced epoxy (GRE) piping, fiber-reinforced polymer (FRP) structures, and composite pressure vessels.

Bondstrand Fiberglass Pipe - NOV

Description Bondstrand 2000M Bondstrand 7000M Pipe Diameter 1-40 inch (25-1000 mm) 1-40 inch (25-1000 mm) Joining System Quick-Lock 1-6 inch Taper/Taper 8-40 inch Quick-Lock 1-6 inch Taper/Taper 8-40 inch Liner (1) 0.5 mm - Temperature(2) 200°F (93°C) 200°F (93°C) Pressure Rating (3) 17.2 bar (1-16 inch) 16.0 bar (18-40 inch) 17.2 bar (1-16 inch)

Bondstrand™ 2000M/7000M for Marine & Offshore

Bondstrand flanges are Glassfiber Reinforced Epoxy (GRE) filament-wound epoxy pipe flanges in diameters 25 through 1000 mm (1-40 inch) designed to be used in combination with Bondstrand pipes. Flanges are used in Bondstrand pipe systems to connect appendages and equipment, or to make connection with other lines of similar or other material.

Assembly Instructions for Bondstrand Fiberglass Flanges

Description Bondstrand® 2000M Bondstrand® 7000M Pipe diameter 1-40 inch 1-40 inch Joining system Quick-Lock 1-16 inch Quick-Lock 1-16 inch Taper/Taper 18-40 inch Taper/Taper 18-40 inch Liner *0.5 mm - **Temperature 121°C 121°C Pressure Rating 16 bar 16 bar * Also available without liner;

Bondstrand 2000M/7000M Glassfi ber Reinforced Epoxy (GRE) ...

Bondstrand 2000 Fiberglass Pipe and Fittings. for general industrial service. Uses and applicationsWaste water and sewage systems Potable water lines Chemical process piping Food processing plant piping Drainage systems Cooling water piping Deionized water systems Jet fuel and liquid petroleum piping Jet engine air start systems Piping Systems for alkalis and nonoxidizing acids General industrial service for moderately corrosive liquids.

Bondstrand 2000 Fiberglass Pipe and Fittings

Bondstrand 2400 Series Product Data. Approvals. ISO/FDIS 14692 is an international standard intended for offshore applications on both fixed and floating topsides facilities. It is used as guidance for the specification, manufacture, testing and installation of GRE (Glassfiber Reinforced Epoxy) piping systems.

Bondstrand 2400 Series Product Data - NOV

Versatile by design. For over 65 years, Bondstrand™ has been a leading and trusted provider of corrosion-resistant, nonmetallic composite solutions for marine and offshore project applications. Combined with our unique range of engineering services, Bondstrand provides end users with versatile alternatives to traditional materials—including glass-reinforced epoxy (GRE) piping, fiber-reinforced polymer (FRP) structures, and composite pressure vessels.

Bondstrand Composite Solutions - NOV

Bondstrand 2000M Glassfiber Reinforced Epoxy (GRE) pipe system. Standard 0.5 mm internal resin-rich reinforced liner. Maximum operating temperature: 93°C (for higher temperature rating, consult NOV Fiber Glass Systems). Maximum pressure rating: 17.2 bar (250 psi) for 1 - 16 inch, 16.0 bar (232 psi) for 18 - 40 inch. Minimum pressure: full vacuum.

Bondstrand 2000M/7000M for Marine & Offshore

Bondstrand Glassfiber Reinforced Epoxy (GRE) systems are cost-effective, maintenance-free and light weight solutions designed to provide a corrosion-free and erosion-free operation during the service life of the vessel. The many advantages of Bondstrand GRE pipe systems

Bondstrand Marine Piping Systems

Bondstrand® provides four distinct series of filament-wound pipe and fittings using continuous glass filaments and thermosetting resins for marine and naval applications: Series 2000M A lined epoxy pipe and fittings system for applications which include ballast lines, fresh and saltwater

Bondstrand Design Manual - Microsoft Azure

Bondstrand Taper-Taper fittings & flanges are glassfiber reinforced filament-wound epoxy pipe fittings in diameters 50 through 1000 mm (2-40 inch) designed to be used with Bondstrand pipes. Pipe is standard with integral Taper-Taper spigot and socket ends for adhesive bonding or with integral Key-Lock male and female ends for mechanical joining.

Bondstrand product data fittings & flanges for pipe series ...

Bondstrand™ 2000, 4000, 5000 and 7000 Fittings Dimensions www.fgspipe.com • fgspipe@nov.com The Quick-Lock bell end has a 1/2° taper and is the standard end configuration. All other end configurations, including size reductions, are made to order. Flanges are drilled in accordance with ANSI B16.5, Class 150. Other drilling specifica-

Bondstrand™ 2000, 4000, 5000 and 7000 Fittings Dimensions

Bondstrand®Guide Specification Pipe constructionThe structural wall of fiberglass pipe in 2 through 16-inch sizes shall have continuous glass fibers wound at a 543/ 4helical angle in a matrix of premium vinyl ester resin.

Series 5000 Fiberglass Pipe and Fittings

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See Bondstrand Corrosion Guide FP132 for specific applications. Does, not require thrust blocks at ambient temperatures when properly installed in most soils. Smooth inner liner provides Hazen-Williams coefficient of 150 for lower friction losses and reduced pumping costs.

Series 4000 Fiberglass Pipe and Fittings

Fittings Dimensions in 2” through 16” (For Bondstrand™ pipe systems 3000, 3200, 3300, 3000A, 3200A and 3300A) Units:All dimensions are in U.S. Customary units (inches). Diametric dimensions are maximums.

Fittings Dimensions in 2” through 16”

Consult Ameron corrosion guide FP132 or Ameron Applications Engineering for recommendations for your particular application. Bondstrand Series 3000A is available with the patented Pronto-Lock®and Pronto-Lock II mechanical joining systems and may be used to temperatures as high as 210°F (99°C).