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ENGINEERING PIPELINE DHPI MANUFACTURING

SHANDONG DONGHONG PIPE INDUSTRY CO., LTD.

COMPANY INTRODUCTION



DONGHONG PIPELINE TECHNOLOGY MANUFACTURING PARK



DONGHONG INTELLIGENT PIPELINE MANUFACTURING PARK



DONGHONG NEW MATERIALS INDUSTRIAL PARK



DONGHONG XINJIANG MANUFACTURING PARK

Donghong Co., Ltd. is the first enterprise in the composite-pipe industry to be listed on the Shanghai Stock Exchange, and operates a fully integrated domestic production base covering the entire industrial chain. Founded 30 years ago, the company has remained true to its mission — “LET INTELLIGENT PIPELINES MAKE HUMAN LIFE BETTER” — and is striving to become a globally leading provider of comprehensive pipeline ecosystem solutions.

With deep roots in water conservancy, municipal engineering and related sectors, Donghong leverages innovations in smart-water sensing terminals to deliver safe, efficient, full-lifecycle services for eco-friendly drinking-water supply, long-distance high-pressure water transmission and smart water-network development. Empowered by China’s strong intelligent-manufacturing capabilities, Donghong is actively driving the high-quality development of the global water-conservancy industry, advancing toward a safer, greener and smarter future.



220+

INVENTION PATENTS



36+

BUSINESS SPANS MULTIPLE COUNTRIES



20+

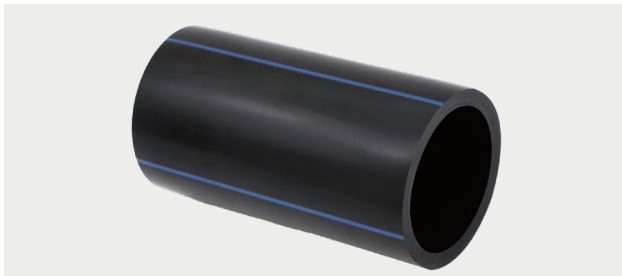
QUALIFICATIONS & CERTIFICATIONS



CERTIFICATIONS & ACCREDITATIONS

Donghong’s pipeline products are exported to 36 countries and have earned a range of internationally recognized certifications, including ISO, AS/NZS, GOST, EN, API, CE, WRAS and ASME.

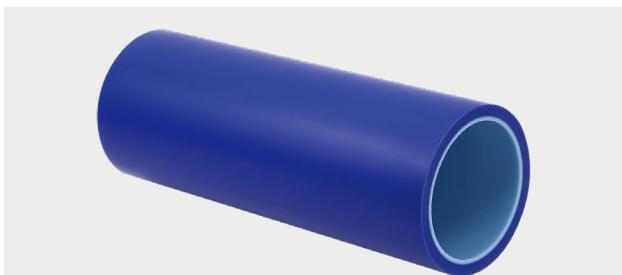
POLYETHYLENE (PE) PIPES



SOLID-WALL PE PIPE



CUSTOM-COLORED PE PIPE



SILVER-ION ANTI-BACTERIAL & ANTI-FOULING STRUCTURAL PIPE



PURE-WHITE UV-RESISTANT PE PIPE

Compliant with standards: ISO 9001, ISO 4427, EN 12201, GOST 18599

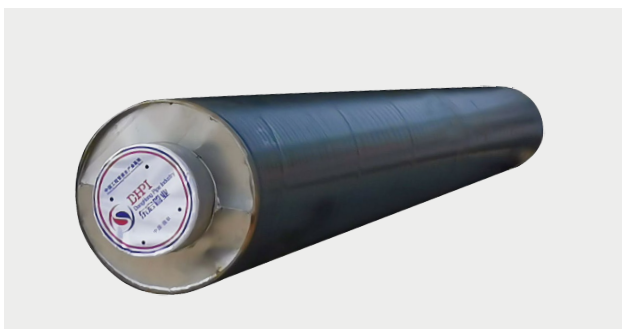
Caliber: dn20-1200mm Pressure: 0.8-2.5MPa

Advantages: Excellent resistance to chemicals and soil-induced corrosion • superior hydraulic performance • small-diameter coils for convenient transportation • long service life.

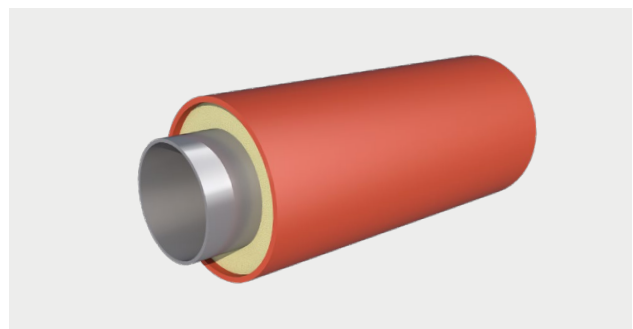
Silver-ion antibacterial & anti-fouling inner coating (food-grade) :99.9 % antibacterial efficiency • inner-surface water contact angle up to 110° • delivers strong hydrophobic and scale-resistant performance.

Enhanced UV & weathering resistance: Dual-mode UV shielding outer layer, formulated with rutile titanium dioxide and HALS.

THERMAL INSULATION PIPE SERIES



PRE FABRICATED DIRECT BURIED STEAM INSULATED PIPE



PRE-FABRICATED DIRECT-BURIED INSULATED PIPE WITH CUSTOM-COLORED PVC OUTER SHEATH

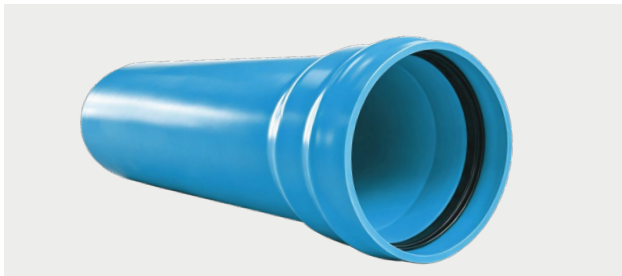
Caliber: dn50-1800mm

Spray-Winding Process: Uniform PU spray foaming on the base pipe, externally wrapped with tightly wound PE tape.

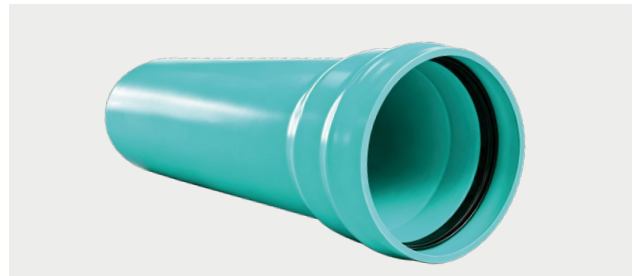
Pipe-in-Pipe Process: Base pipe and outer protective casing positioned and sealed, filled with injected PU foam.

Custom-isable outer protective casing options (PVC, PE, among others) to suit project requirements; PU density selectable.

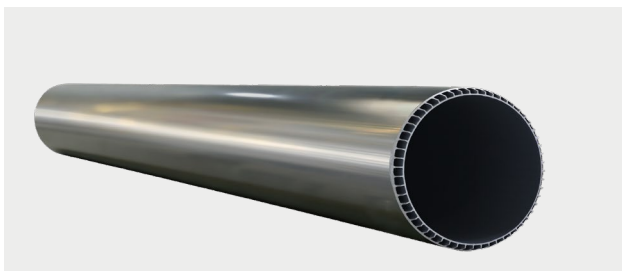
POLYVINYL CHLORIDE (PVC) PIPES



HIGH PERFORMANCE PVC-UH PIPE FOR WATER SUPPLY



PVC-UH PIPE FOR LOW PRESSURE SEWAGE AND DRAINAGE



HARD POLYVINYL CHLORIDE (PVC-U) AXIAL HOLLOW WALL PIPE FOR BURIED DRAINAGE



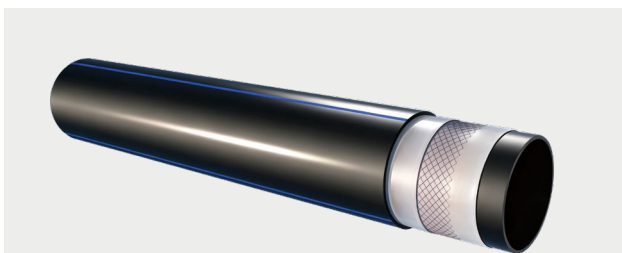
PVC-U PIPE FOR WATER SUPPLY

Material: PVC-U, PVC-UH, PVC-O, PVC-M

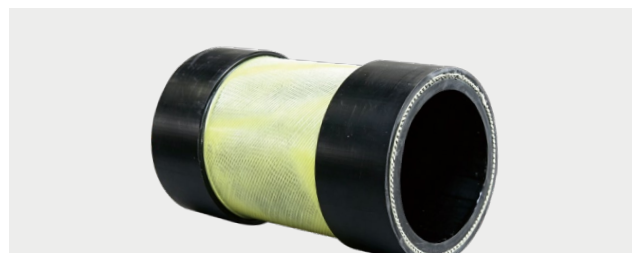
Caliber: dn50-1600mm **Pressure:** 0.5-2.5MPa **Ring stiffness:** SN2-SN16

Advantages: Excellent compression resistance and resilience performance • integral steel-frame rubber socket joint for superior tightness and sealing performance • outstanding resistance to external impact and water hammer • lead-free eco-friendly formula, hygienic and non-toxic.

STEEL-WIRE-MESH REINFORCED HDPE COMPOSITE PIPE SYSTEM (SRTP)



STEEL-WIRE-MESH REINFORCED HDPE COMPOSITE PIPE SYSTEM (SRTP)



STEEL-WIRE-ROPE-TAPE REINFORCED POLYETHYLENE COMPOSITE PIPE

Compliant with standards: GB/T32439-2007/2015

Caliber: dn50-1200mm **Pressure:** 0.8-15MPa

Advantages: Combines comprehensive PE material properties with high compressive strength of steel pipe • supports electrofusion and conventional mechanical connection methods • delivers notable cost savings compared with conventional PE pipes in equivalent specifications • suitable for long-distance overhead installation with excellent anti-sagging performance.

Extended Products: Three-layer construction with steel-wire-mesh reinforcement core, inner and outer PE layers • upgraded evolution of PE pipe; customizable inner layer and reinforcement layer.

PRODUCT INTRODUCTION



ANTI-CORROSION STEEL PIPE



INTERNAL-FBE-LINED & EXTERNAL-3PE
COATED STEEL PIPE



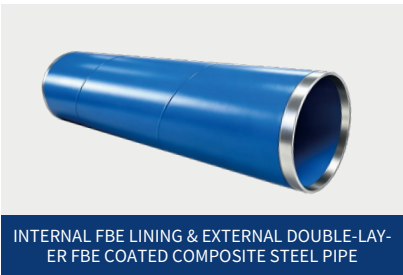
ANTIBACTERIAL COATED COMPOSITE
STEEL PIPE



UV-RESISTANT COATING COMPOSITE
STEEL PIPE



STAINLESS STEEL CLAD CARBON
STEEL PIPE



INTERNAL FBE LINING & EXTERNAL DOUBLE-LAY-
ER FBE COATED COMPOSITE STEEL PIPE



INTERNAL EPOXY & EXTERNAL 3PP
COATED COMPOSITE STEEL PIPE

Anti-Corrosion Layer Material: PE, PP, Bitumen, Epoxy Resin, UV-Resistant Agent, Glass-Flake Filler, etc.
Caliber: DN50-4020mm

Customizable Extra-Large Diameter · Multiple Anti-Corrosion Options · Long Service Life · High Pressure Resistance · Excellent Weatherability · Good Wear Resistance · Lower Cost for Liquid-Coat Anti-Corrosion Layers

FITTING



BUTT-FUSION FITTINGS



ELECTRO-FUSION FITTINGS



PRE-INSULATED FITTINGS



PVC FITTINGS



STEEL FITTINGS

INTELLIGENT MONITORING SOLUTION ○○○

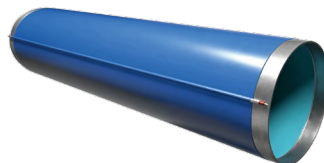


Driven by scientific-technological innovation, Donghong has developed the Intelligent Pipeline Terminal, delivering disruptive innovation for pipeline safety and asset management.

This terminal deeply integrates composite pipelines, sensing technologies and software platforms. Leveraging material modification, custom-designed connections, composite structures and terminal integration, this multi-dimensional smart solution endows pipelines with all-weather, long-distance, high-precision sensing functions. Core parameters including flow velocity, pressure and pipe structural integrity are transmitted in real time, realizing genuine pre-emptive risk warning.



SMART TERMINAL PRODUCT FOR STEEL-WIRE REINFORCED POLYETHYLENE COMPOSITE PIPE



SMART TERMINAL PRODUCT FOR STEEL-PLASTIC COMPOSITE PIPE



SMART TERMINAL PRODUCT FOR INSULATED PIPE

DONGHONG PIPELINE MONITORING & REHABILITATION TECHNOLOGY

Donghong's pipeline rehabilitation focuses on urban pipeline renewal and upgrading. It adopts trenchless in-situ restoration for aged and damaged pipelines, avoiding traffic disruption and residential disturbance caused by traditional excavation. Core techniques include UV-CIPP ultraviolet curing, mechanical spiral winding, stainless-steel lining and mortar spray rehabilitation.

The water supply pipeline inline inspection robot is equipped with a hydrodynamic parachute, high-sensitivity hydrophones, HD camera units and IMU attitude sensors to identify various pipeline abnormalities.



CLASSIC PROJECTS



EASTERN ROUTE WATER TRANSMISSION & DISTRIBUTION PROJECT
OF THE SOUTH-TO-NORTH WATER DIVERSION PROJECT



HAN-TO-WEI RIVER DIVERSION WATER TRANSMISSION &
DISTRIBUTION PROJECT



XINJIANG SN WATER DIVERSION PROJECT



XINJIANG ZD WATER SUPPLY PROJECT (PHASE II)



ABU-DHABI NATURAL GAS PROJECT



COROLLARY WATER PROJECT FOR XPCC OF HOTAN
YULONG-KASHGAR WATER CONTROL COMPLEX, XINJIANG



DEEP-SEA TAILINGS DISPOSAL PROJECT FOR INDONESIA OBI
NICKEL-COBALT PROJECT



LONG-DISTANCE WATER SUPPLY IN MONGOLIA

LET INTELLIGENT PIPELINES MAKE HUMAN LIFE BETTER

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