



Fiberglass Pipe Joint Tools



THE COMPLETE ECOSYSTEM OF MATERIALS & POWER TOOLS



ABOUT US

OTA Fiberglass is a specialized supplier of raw materials, consumables, and accessories for FRP / GRP / GRE piping systems. Our product range supports all major pipe jointing methods, including lamination (butt & wrap), adhesive bonded joints, and bell & spigot systems.

With a strong focus on material compatibility, field reliability, and long-term performance, OTA Fiberglass delivers complete jointing solutions tailored for water, industrial, chemical, and marine piping networks across the GCC and international markets.

Why OTA Fiberglass?

If you ever need Fiberglass Specialty Tools! We have the complete solution to relieve all your FRP / RTR / GRE / GRP project requirements

Culture of Service

As a company which started by serving the needs of the manufacturer's; operators, laminators, field workers and end users, we pride ourselves on customer service as our first and foremost service.



International Availability

OTA Fiberglass products are available internationally through our global distribution network, local authorized distributors, and OTAFiberglass.com. Select fiberglass specialty tools and accessories are available for fast dispatch, with typical shipping times of 2–3 business days.

International Delivery

OTA Fiberglass supports time-sensitive projects with efficient domestic and international shipping solutions. Through our expanding logistics network and regional supply points, we ensure reliable delivery of specialty tools to support fiberglass piping projects worldwide.

As part of our continued growth, OTA Fiberglass is expanding its international presence to better serve key industrial markets and provide complete fiberglass specialty solutions wherever they are needed.

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TOOLS & MATERIALS

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Pipe Joining Process



Step 1: Surface Preparation

The first crucial step involves preparing the surface of the pipe ends to ensure proper adhesion. This typically includes cleaning and abrading the surfaces to remove any contaminants and create a rough texture.



Step 2: Aligning the Pipes

The two pipe sections are then brought together and precisely aligned. It's critical to ensure the ends meet squarely and that the pipeline maintains its intended direction.



Step 3: Applying Resin to the Joint Area

Once aligned, the joining area is coated with a specialized resin. This resin acts as the bonding agent that will secure the composite wrapping and create a strong, leak-proof joint.



Step 4: Wrapping with Composite Material

With the resin applied, layers of composite material (often fiberglass or carbon fiber fabric) are meticulously wrapped around the joint. Each layer is impregnated with the resin, building up strength and structural integrity.



Step 5: Curing the Joint

After wrapping, the joint needs time to cure. This process, often accelerated by heat or specific environmental conditions, allows the resin to fully harden and create a strong, durable bond.



Pipe Joining Tools



1. Resin Systems



Resin systems are the backbone of high-performance FRP piping and composite structures, providing the chemical resistance, mechanical strength, and durability required in demanding environments. The right resin ensures long service life, strong bonding, and reliable performance throughout the system lifecycle.

When properly selected and applied, resin systems protect the reinforcement, seal the laminate, and deliver corrosion-resistant, structurally sound solutions across water, industrial, and chemical applications



Advanced Composite Solutions

Isophthalic Resin

High-quality polyester resin offering excellent mechanical strength and resistance to moisture and mild chemicals.

Key Features:

- Good corrosion resistance
- Easy processing
- Compatible with CSM and woven roving

Applications:

- FRP pipe lamination
- Butt & wrap joints
- Water and wastewater systems
- General industrial pipelines



Advanced Composite Solutions

Vinyl Ester Resin

Premium resin system designed for aggressive chemical and high-temperature environments.

Key Features:

- Superior chemical resistance
- High thermal stability
- Excellent fatigue performance

Applications:

- Chemical pipelines
- Industrial effluent systems
- Seawater and desalination plants



Advanced Composite Solutions

UV Premixed ISO Resin

Isophthalic resin pre-blended with UV inhibitors for outdoor exposure.

Key Features:

- UV-resistant
- Smooth, protective finish
- Prevents discoloration and surface degradation

Applications:

- External pipe joints
- Outdoor FRP structures
- Final joint topcoats



2. Catalysts & Accelerators



Catalysts and accelerators are essential components in FRP resin systems, controlling curing speed, gel time, and final laminate performance. Catalysts such as MEKP initiate the polymerization process, while accelerators like Dimethylaniline (DMA) optimize curing under varying ambient conditions. Together, they ensure consistent curing, strong mechanical properties, and reliable performance across lamination, jointing, and repair applications in fiberglass piping and composite systems.

MEKP Catalyst

Standard methyl ethyl ketone peroxide catalyst for polyester and vinyl ester resins.

Key Features:

- Reliable curing
- Consistent polymerization
- Widely accepted in FRP applications



LPT Catalyst

Low-temperature peroxide catalyst offering controlled and predictable curing.

Key Features:

- Stable reaction profile
- High-quality surface finish
- Suitable for controlled environments



Dimethylaniline (DMA)

Liquid accelerator used to reduce gel and cure times.

Key Features:

- Improved curing in cold climates
- Adjustable working time
- Enhances field productivity



3. Reinforcement Materials



Chopped Strand Mat (CSM) – 450 g/m²

Randomly oriented fiberglass reinforcement providing uniform thickness and bonding.

Key Features:

- Excellent interlaminar bonding
- Good impact resistance
- Easy wet-out

Applications:

- Base lamination layer
- Pipe joints and fittings
- Structural laminates



Woven Roving (600 / 800 / 1250 g/m²)

Heavy structural reinforcement fabric delivering high mechanical strength.

Key Features:

- High tensile and hoop strength
- Excellent load distribution
- Compatible with polyester and vinyl ester resins

Applications:

- Pressure pipes
- Large diameter joints
- Structural FRP components



Woven Roving Tapes

Narrow-width reinforcement tapes for joint wrapping and localized strengthening.

Key Features:

- 50 mm, 100 mm, 160 mm
- GSM 270, 360, 800

Applications:

- Butt & wrap joints
- Flange reinforcement
- Pipe repairs



Boat Tape – 162 / 200 g/m²

Balanced woven fiberglass tape designed for localized strengthening.

Key Features:

- High tensile strength
- Excellent resin compatibility
- Easy draping and handling

Applications:

- Joint reinforcement
- Repairs
- Structural wrapping



ARG Roving (Alkali Resistant Glass)

Specialized fiberglass reinforcement for alkaline environments.

Key Features:

- High chemical resistance
- Long-term durability
- Excellent dispersion

Applications:

- GRC systems
- Hybrid FRP applications
- Cementitious composites

4. Adhesive Bonding Systems



Adhesive Epoxy Resin Cement Kit

Two-component epoxy adhesive designed for FRP pipe joining.

Key Features:

- High bond strength
- Fast cure
- Easy onsite application

Applications:

- Adhesive pipe joints
- Bell & spigot joints
- FRP repair



IPD and AP Hardener for Epoxy

Engineered hardener ensuring optimal curing and mechanical performance.

Key Features:

- Balanced working time
- High final hardness
- Temperature resistance



Epoxy Pipe Joining Adhesive 2

high-performance, two-component epoxy resin system designed for joining pipelines.

Key Features:

- Offers excellent adhesion, chemical resistance, and durability.
- Reliable solution for maintaining pipeline integrity and preventing leaks.
- Small packs for convenient handling and applying a measured quantity of adhesive

5. Finishing & Surface



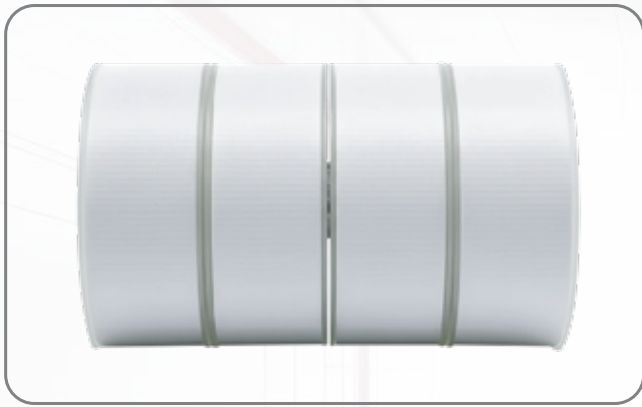


Surface Tissue – 30 g/m² – 40 g/m²

Lightweight surface veil used as the final lamination layer.

Key Features:

- Smooth glossy finish
- Prevents fiber print-through
- Corrosion-resistant surface
- Enhanced chemical resistance
- Improved surface durability
- Crack and blister resistance



Top Tape / Surface Top Tape / Polyester Netting

Finishing tapes used during curing to consolidate laminates. Curing aid providing compression and air evacuation.

Functions:

- Air release
- Smooth surface finish
- Controlled resin flow

Sizes:

- 50 mm × 100 m
- 100 mm × 100 m
- Applications:
- Laminated pipe joints
- Structural wraps



6. Solvents, Release Agents & Consumables



Solvents, release agents, and consumables ensure clean surfaces, smooth demolding, controlled curing, and professional finishing in every FRP installation.

Acetone

Industrial-grade solvent for surface and tool cleaning.

Uses:

- Pre-bonding preparation
- Resin tool cleanup



Polyester Film

Non-stick release film used during curing.

Functions:

- Prevents resin adhesion
- Produces smooth finishes



Global Release Agent

High-efficiency mold and surface release agent.

Features:

- Clean demolding
- Compatible with all resin systems
- Extends mold life



7. Tools & Accessories





Mixing Buckets

Durable containers for accurate resin and adhesive mixing.

Applications:

Resin systems, adhesives, laminations, jointing work.

Key Features:

Chemical resistant, easy to clean, multiple size options.



Resin / Aluminum Combination Rollers

Combination resin rollers featuring aluminum cores with orange resin handles, designed for efficient resin distribution and air removal during lamination.

Applications:

- FRP lamination
- Composite layups
- Structural reinforcement

Key Features:

- Aluminum roller for effective air release
- Ergonomic orange resin handle
- Durable and reusable construction



Brushes and Spatulas

Hand tools for precise resin application and material handling.

Applications:

Detail lamination, adhesive spreading, touch-up work.

Key Features:

Solvent resistant, flexible bristles/blades, easy control.



Catalyst Dispensers

Precision dispensing tool used for accurate measurement and controlled dispensing of catalysts during resin mixing.

Applications:

- Resin preparation
- Composite lamination processes

Key Features:

- Accurate measurement control
- Easy-to-use dispensing mechanism
- Chemical-resistant construction



Fiberglass Rollers

Specialized rollers designed for laminating applications requiring solvent resistance and enhanced durability.

Applications:

- Fiberglass lamination
- Composite manufacturing

Key Features:

- Solvent-resistant paint roller
- Beveled edge for smooth application
- Fused fabric with reinforced core



Canvas Band Clamp

Heavy-duty clamping solution designed to secure large components during bonding and curing operations.

Applications:

- Composite assembly
- Structural bonding
- Industrial clamping

Key Features:

- Heavy-duty capacity up to 2,000 lb / 997 kg
- High-grade malleable iron construction
- Dual self-locking mechanism



Pi Tape

Precision circumference measuring tape used to accurately determine outside diameter and circumference.

Applications:

- Pipe measurement
- Industrial inspection
- Quality control

Key Features:

- Measures outside circumference and diameter
- Graduation: 1 mm
- Scale according to DIN 866
- Vernier scale: 0.1 mm
- Laser-scaled markings
- Tape width: 16 mm



Measuring Cylinders

Transparent measuring cylinders used for accurate liquid volume measurement in resin and catalyst preparation.

Applications:

- Resin mixing
- Catalyst measurement

Key Features:

- Clear volume markings
- Chemical-resistant material
- Suitable for laboratory and site use



Barcol Tester

Handheld hardness tester used to measure the hardness of cured fiberglass laminates and other materials.

Applications:

Composite quality control
Material inspection

Key Features:

- Measures hardness of fiberglass laminates
- Quick and reliable testing
- Portable, handheld device
- Suitable for certain metals and plastics



Air Spray Gun

Air-operated spray gun used during lamination processes to apply gel coats and mixed materials evenly.

Applications:

- Gel coat application
- Composite lamination

Key Features:

- Lightweight, handheld design
- Used for gel coat and mixture application
- Streamlines the mixing and spraying process



Bristle Rollers

Hybrid rollers combining the benefits of aluminum rollers and synthetic hair rollers for effective air removal.

Applications:

- Composite lamination
- Fiber reinforcement work

Key Features:

- Combines aluminum and synthetic roller qualities
- Ideal for knitted and uni-directional fibers
- Smooths out trapped air pockets



OTA Fiberglass Tool Case

Heavy-duty protective cases, custom-designed for the safe transport and organized storage of tools on industrial project sites.

Applications:

- Tool storage • On-site transportation

Key Features:

- Heavy-duty yet lightweight construction for industrial use
- Suitable for tool loads ranging from 30 to 80 kg
- Robust, rugged design for demanding project environments
- Equipped with secure locking system and four side handles for easy handling
- Custom-designed interior foam padding, precision-cut to securely fit multiple tools inside the case based on the customer's selected tool settt

9. Heating Blankets for Pipe Joint Curing



OTA Fiberglass Heating Blankets are engineered for controlled heat curing of adhesive joints and laminated pipe connections in GRE, and RTR piping systems. Designed for harsh field conditions, they ensure uniform temperature distribution, reliable curing, and long-term joint integrity

Temperature Control Systems

TB Future T30 Smart Temperature Controller

Product Description:

The TB Future T30 is an industrial-grade digital controller supplied with the M1 Heating Blanket series. It enables multi-stage, programmable curing cycles with unmatched accuracy and safety.

Key Features:

- Programmable up to 6 heating stages
- Real-time digital temperature display
- Over-temperature alarm (above 150°C)
- Lock function to prevent unauthorized changes
- Controls heating blankets up to 7000W
- Second sensor for High End Curing
- IP54 industrial protection rating
- Programmable Auto-timed shutoff



Heating Blanket

Advanced Model M1

Product Overview

The OTA Fiberglass Advanced Heating Blanket (M1) is engineered for high-precision curing applications where temperature accuracy, safety, and repeatability are critical. Supplied with the TB Future T30 Smart Temperature Controller, it offers multi-stage heating control for demanding industrial environments.



Heating Blanket Construction

- Heating element: 11 mm thick silicone rubber
- Outer surface: Smooth leather-mesh silicone
- Flexibility: Bend radius up to 6 mm (¼ inch)
- Resistance: Moisture, chemicals, and radiation
- Fastening: Double spring buckle system (Standard), press studs (M1)



Installation & Operation

How It Works

1. Complete joint lamination or adhesive bonding
2. Wrap heating blanket in a single layer (no overlap)
3. Secure using spring buckle or snap-stud system
4. Connect to or TB Future T30
5. Set required curing temperature
6. Monitor via neon indicators or digital display
7. Allow controlled cure cycle to complete



Safety & Handling

Safety Highlights

- Do not overlap blankets during operation
- Do not touch blanket during or immediately after curing
- Avoid use in wet or damp conditions
- Allow minimum 30 minutes cooling before handling
- Cold-tab handles on M1 ensure safer adjustment during heating



Technical Specifications (Summary)

Safety Highlights

Parameter

- Voltage
- Temperature Range
- Recommended Control
- Pipe Size Range
- Max Power (T30)
- Sensor Type
- Protection Rating
- Cable Length

Specification

110V / 220V AC
50°C – 200°C
0–150°C
1"– 48"
7000W
NTC-3950
IP54
2m (M2), 3m (M1)





Applications

OTA Fiberglass Heating Blankets are widely used in:

- GRE & RTR pipe joint curing
- FRP butt & wrap lamination joints
- Offshore pipeline construction
- Chemical and petrochemical plants
- Desalination facilities
- Remote and cold-climate installations
- Compatible with GRP, GRE, and RTR piping systems



Warranty & Support

OTA Fiberglass Heating Blankets are supplied with a Lifetime Warranty covering workmanship and materials. Global technical support and fast international shipping are available.

- Free replacement or repair for manufacturing defects
- Global shipping within 3–5 business days
- 24/7 technical support and field guidance
- Field demonstration



Product Variants Summary

Feature	M1	M2
Constant Temperature	✓	✓
Adjustable (50–200°C)	✓	✓
Fixed 110°C Option	✓	x
Cold Tab	✓	x
Thickness	2mm	1.5mm

10. Pipe Shavers & Surface Preparation Tools



The OTA Fiberglass Pipe Shaver is a precision-engineered set designed for accurate end preparation of GRE, and RTR pipes. It ensures perfectly machined spigot tapers, square ends, and smooth bonding surfaces—critical for high-performance adhesive joints and butt & wrap lamination joints. Built for rugged site conditions, the pipe shaver delivers repeatable accuracy, reduced preparation time, and superior joint geometry.

Primary Applications

- Adhesive bonded joints (bell & spigot systems)
- Butt & wrap lamination joints
- GRE, and RTR pipe installations
- Field and workshop pipe end preparation
- Taper machining for large-diameter pipelines
- Repair and retrofit joint preparation



How It Works (Operational Overview)

1. Mount the pipe shaver securely onto the pipe end using the correct arbor.
2. Adjust the taper angle or cutting depth as required.
3. Activate the power drive to machine the pipe surface.
4. Achieve a smooth, concentric, and uniform spigot profile.
5. Clean the prepared surface before adhesive bonding or lamination.

This controlled machining eliminates uneven bonding gaps and reduces joint failure risk.



Key Features

- Precision tapering for consistent adhesive bond lines
- Smooth surface finish for superior resin adhesion
- Compatible with wide pipe diameter ranges
- Heavy-duty power drive for continuous site use
- Adjustable taper angle capability
- Designed for fast setup and minimal operator fatigue
- Suitable for on-site and factory environments



Included Components

- Pipe shaver cutting head
- Power drive unit
- Arbor set (various pipe sizes)
- Mounting and adjustment accessories



Pipe Shaver Tool

Advanced Model: F1

Description

The OTA Fiberglass F1 Pipe Shaver is a compact, high-performance pipe preparation tool designed for accurate and efficient external shaving of fiberglass and composite pipes. Built with a lightweight, military-grade stainless steel body, the F1 delivers power, speed, and precision in demanding field and workshop environments.

The tool features robust machining, a factory-set taper angle, and a large grinding drum to ensure smooth, consistent pipe surface preparation without the need for a pipe vise

Pipe Shaver Sets 25-150mm | 200-600mm | 700-1000mm

Applications

- Fiberglass / GRP pipe joint preparation
- Composite pipeline installation
- Structural bonding and lamination
- Industrial pipe repair and maintenance

Key Features:

- Lightweight, compact, and sturdy stainless steel construction
- Easy-to-assemble modular design
- Large grinding drum for efficient and uniform shaving
- Built-in tapering angle for precise pipe preparation
- No pipe vise required during operation
- Space-saving design with minimal components
- Designed for field and on-site use

Key Features:

- Pipe Size Range: 1" – 40"
- Preset Taper Range Angle : 1.75° – 2.5°
- Custom Taper Angles: Available on request

Design & Performance Highlights:

- Accurate tapering ensures strong, reliable pipe joints
- Efficient grinding drum improves shaving speed and finish quality
- Robust construction ensures long service life in industrial conditions





Safety & Operation

- Designed for use with standard PPE (gloves, goggles, safety wear)
- Stable mounting minimizes vibration and operator risk
- Clear operational guides and videos available
- Safe and controlled material removal



Warranty & Guarantee

FULL LIFETIME WARRANTY

OTA Fiberglass Engineering® Pipe Shavers are warranted for the lifetime of the unit, covering defects in workmanship and materials, including:

- Pipe shaver body
- Arbors

Warranty remains valid unless the product becomes unusable due to non-manufacturing-related damage.

Defective units with regulator systems are replaced or returned free of charge



Support, Training & Media

- Operation videos
- Pipe joint installation guides
- Taper angle adjustment tutorials
- On-site application videos
- Through distributor and technical support network



Special Tools



OTA Fiberglass Pipe Shaver utilizes a high RPM, compact power drive and a large Abrasive Grinding Drum design for tapering pipe spigots in GRE Pipes



OTA Fiberglass Heating Blanket is a heat source that maintains a constant temperature during the adhesive curing process. Coupled with Smart Controller TB Future T30 engineered to deliver precision, safety, and automation in demanding industrial curing applications

11. Precision Thermal Solutions



OTA Fiberglass designs and manufactures high-performance industrial heating solutions for controlled, safe, and efficient thermal management. Our product range serves critical industrial processes where temperature accuracy, reliability, and durability are essential.

All products are engineered for compatibility with the TB Future T30 Smart Temperature Controller, enabling intelligent temperature regulation, programmable heating cycles, and enhanced operational safety.

TB Future T30 – Smart Temperature Controller

Description:

An industrial-grade smart controller designed to operate and protect electric heating systems. The T30 converts sensor input into precise digital control, allowing accurate temperature maintenance and programmable heating profiles.

Key Features:

- Smart PID temperature control
- Multi-stage programmable heating curves (up to 6 stages)
- Countdown timer with automatic shutoff
- Over-temperature and over-voltage protection
- Lockable parameter settings
- Industrial IP54-rated enclosure

Typical Applications:

- Heating blankets
- Drum and IBC heaters
- Battery and gas cylinder heaters
- Process and trace heating systems



Industrial Heating Blankets

Description:

Industrial heating blankets designed for uniform surface heating in temperature-sensitive applications. The construction ensures even heat distribution while minimizing thermal loss.

Construction:

- Silicone-coated outer layer
- Integrated heating elements
- 7 mm fiberglass insulation

Applications:

- Composite and epoxy curing
- Rotor blade and structural repairs
- Aerospace, marine, and wind energy components



Standard Drum Heaters (0–200°C)

Product Type: Drum Heating Jackets / Bands

Description:

Flexible drum heaters for maintaining or raising the temperature of materials stored in drums in non-hazardous environments.

Features:

- Silicone jacket or band construction
- Fiberglass insulation for energy efficiency
- External temperature control via T30

Applications:

- Oils, waxes, resins, adhesives
- Food-grade and pharmaceutical materials





Standard Drum Heaters (0–200°C)

Product Type: Explosion-Proof Drum Heating Jackets

Description:

Certified drum heaters for use in hazardous environments where explosive gases or combustible dust may be present.

Certifications & Safety

- ATEX Directive 2014/34/EU
- Suitable for Zones 1, 2, 21, and 22
- Anti-static, flame-retardant construction

Typical Applications

- Oil and gas processing
- Chemical and solvent storage
- Hazardous material handling



IBC Heating Systems

Product Type: IBC Heating Jackets & Base Heaters

Description:

Heating solutions designed for Intermediate Bulk Containers, providing controlled surface heating for large-volume materials.

Configurations

- Sidewall heating jackets
- Base heaters
- Insulated top covers

Applications

- Adhesives and coatings
- Food ingredients
- Chemical processing materials



Concrete Curing Blankets

Product Type: Construction Heating Blankets

Description:

Thermal blankets engineered to support concrete curing in cold weather conditions by maintaining consistent surface temperatures.

Applications

- Infrastructure projects
- Precast and poured concrete works
- Winter construction environments



Heating Tapes

Product Type: Trace Heating

Description:

Flexible heating tapes for maintaining temperature along pipes, valves, and equipment surfaces.

Available Variants

- Silicone rubber insulation (0–200°C)
- Glass silk insulation (0–400°C)
- Silicate fibre insulation (0–900°C)

Typical Applications

- Pipe and valve heating
- Chemical processing
- Fluid viscosity maintenance



Immersion Heaters

Product Type: Direct Liquid Heating

Description:

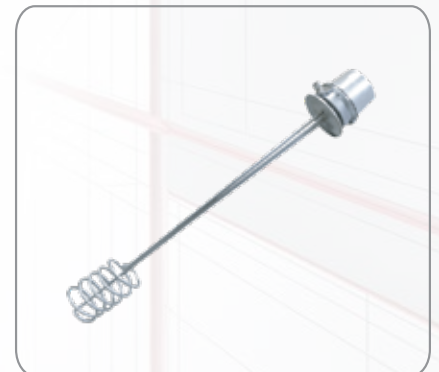
Electric immersion heaters designed for direct heating of liquids in tanks, vessels, and containers.

Configurations

- Screw-plug
- Flanged
- Over-the-side

Applications

- Water, oil, and chemical heating
- Process tanks and industrial vessels



Cartridge Heaters

Product Type: Internal Process Heating

Description:

Compact, high-watt density heaters for internal heating of tools, molds, and mechanical components.

Applications

- Molds and dies
- Hot runner systems
- Packaging and automation machinery



Ceramic Heating Elements

Product Type: Radiant Heating Elements

Description:

High-temperature ceramic heaters designed for applications requiring fast radiant heat in confined spaces.

Applications

- Sealing and welding
- Shrink packaging
- Industrial heat processing



Gas Cylinder Heaters

Product Type: Cylinder Heating Jackets

Description:

Heating jackets designed to maintain gas pressure and flow in cylinders exposed to cold environments.

Applications

- Welding gas cylinders
- Beverage gas systems
- Industrial gas supply



Quality, Safety & Compliance

ATEX-certified products available

- Industrial-grade materials
- Designed for continuous operation
- Smart temperature control for safety

12. Tools & Accessories



OTA Fiberglass Engineering's Tools & Accessories range delivers industrial-grade reliability, safety, and precision across plumbing, oil & gas, construction, and mechanical sectors. Every tool is designed to meet or exceed industry standards, ensuring professionals achieve efficient, safe, and long-lasting performance on every job

Drain Cleaning Equipment

Sectional Drain Cleaning Machine – DCX1

Description:

A powerful sectional drain cleaning machine engineered for efficient removal of blockages in residential, commercial, and industrial pipelines.

Applications

- Drain and sewer cleaning
- Plumbing maintenance
- Commercial and industrial pipe cleaning

Key Features

- 390W induction motor for durability and quiet operation
- Reversible drive for clearing stubborn blockages
- Optimized 400 RPM speed for safety and performance
- Pipe capacity: 20 mm – 100 mm
- Maximum cleaning length: 30 meters
- Includes 8 sectional cables (Ø16 mm × 2.3 m)
- Barrel accessory for easy transport and storage



Pipe Holding & Clamping Solutions

Tri-Stand Chain Vise – CVX2

Description:

A lightweight yet heavy-duty tri-stand vise designed for on-site pipe fitting and fabrication work.

Applications

- Pipe cutting, threading, and welding
- Plumbing and mechanical installations
- Field pipe fabrication

Key Features

- High-strength aluminum die-cast base
- Clamping capacity: ½ – 6 pipes
- Supports up to 600 kg load
- Forged steel jaws with wire-cutting capability
- Foldable stand for portability
- Integrated tool tray, pipe rest, and pipe benders



Bench Chain Vise – CVX1

Description:

A workshop-grade bench-mounted chain vise offering superior grip and long-term durability.

Applications

- Workshop pipe cutting and threading
- Fabrication and maintenance shops

Key Features

- Rugged cast steel base
- Forged clamping jaw for strong grip
- Pipe capacity: ½ – 6
- Designed for continuous heavy-duty use



Pipe Preparation Tools

Pipe Reamer – PRX1

Description:

A precision pipe reaming tool designed to deliver smooth internal pipe finishes without damaging pipe walls.

Applications

- Pipe end preparation
- Plumbing and mechanical installations
- Workshop and on-site pipe finishing

Key Features

- Long taper design prevents pipe digging
- Manual and power-drive compatible
- Forged 5-blade reamer cone
- Reaming capacity: 1/8" – 2"
- Lightweight at 3.2 kg



Pipe Bending Tools

Lever Bender – LBX1

Description:

A versatile manual lever bender capable of handling multiple pipe materials with precision.

Applications

- Plumbing and HVAC installations
- Mechanical and fabrication work

Key Features

- Designed for copper, aluminum, iron, stainless steel
- Bending capacity: 3/4" (19 mm)
- Lever-driven mechanical advantage
- Smooth, accurate bends without pipe deformation



HANDHELD POWER DRIVE TOOL

Description:

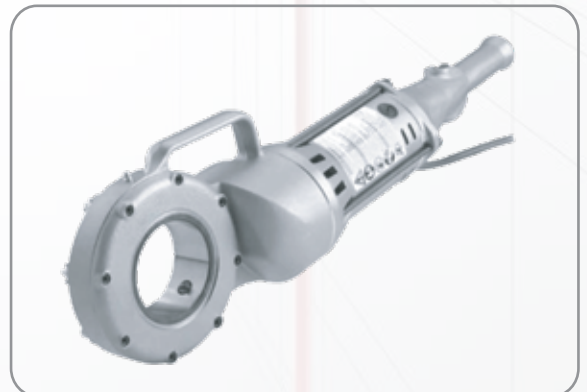
The handheld power drive tool is a compact yet powerful solution designed for demanding pipe and conduit threading operations. Engineered for durability and performance, it delivers reliable power for both on-site and workshop use while maintaining excellent portability and control.

Applications

- Pipe and conduit threading operations
- Mechanical, electrical, and plumbing (MEP) installations
- Field and workshop pipe fabrication
- Bolt threading for industrial and construction use
- Power source for compatible pipe processing equipment

Key Features

- Compact, high-performance handheld power drive tool
- Fully equipped for rigorous threading applications
- Cuts both right-hand and left-hand threads quickly and efficiently
- Pipe threading capacity from 1/8" to 2"
- Bolt threading capacity from 1/4" to 1"
- Compatible with RIDGID 12-R, 00-R, 00-RB, and 11-R die heads
- Can serve as a power source for larger pipe processing machines
- Durable cast aluminum housing for long service life
- Heavy-duty switch and high-strength internal components



Powerdrive PD7

Thin-Wall Conduit Bender – CBX2

Description:

A compact and lightweight conduit bender optimized for smaller conduit sizes.

Applications

- Electrical and construction installations
- Confined-space conduit work

Key Features

- Cast aluminum construction
- Bends $\frac{3}{4}$ " thin-wall and $\frac{1}{2}$ " heavy-wall conduit
- Up to 5" (127 mm) inside radius
- Built-in level vial for precision



Pipe Wrenches & Turning Tools

Straight Pipe Wrenches – SWX Series (6" to 60")

Description:

Heavy-duty straight pipe wrenches engineered for maximum torque, durability, and professional-grade performance.

Applications

- Plumbing and pipe fitting
- Oil & gas pipelines
- Industrial and utility installations

Key Features

- Drop-forged Cr-V steel hook jaws
- Induction-quenched jaw teeth
- Fully heat-treated bodies
- Ductile cast iron handles
- Exceeds GGG-W-651E Type II Class A standards
- Sizes available: 6", 10", 12", 14", 18", 36", 60"



Chain Pipe Wrench

Heavy-Duty & Light-Duty Models

Description:

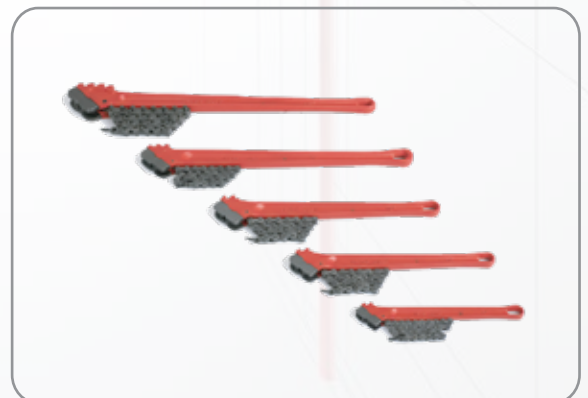
High-torque chain pipe wrenches designed for fast, secure gripping of large or awkward pipes.

Applications

- Industrial maintenance
- Oil & gas and mechanical piping

Key Features

- Double-jaw ratchet-like action
- Replaceable alloy steel jaws (heavy-duty)
- Cr-V steel jaw material
- Excellent grip in tight or high-torque applications



Strap Wrenches

Strap Wrenches – STRX1 & SWX2

Description:

Non-marring strap wrenches ideal for polished, coated, or delicate pipe surfaces.

Applications

- Plastic, stainless steel, and coated pipes
- Maintenance and installation work

Key Features

- Aluminum handles for lightweight strength
- Nylon strap prevents surface damage
- STRX1 capacity: up to 12" pipes
- SWX2 capacity: up to 7" pipes



Threading Accessories

Threading Machine Dies – DTM1 & DTM2

Description:

Precision-engineered threading dies designed for clean, accurate pipe threading.

Applications

- Plumbing and pipe fabrication
- Workshop and field threading

Key Features

- Alloy steel construction
- DTM1: ½" – ¾" pipe sizes
- DTM2: 1" – 2" pipe sizes
- Compatible with OToAworks threading machines



12R Threading Dies – DHX3 & DHX4

Description:

Professional-grade 12R die sets for accurate NPT pipe threading.

Applications

- Plumbing and industrial pipe threading

Key Features

- DHX3: ½" pipe size
- DHX4: 1" pipe size
- Hardened alloy steel
- Compatible with 12R die heads



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