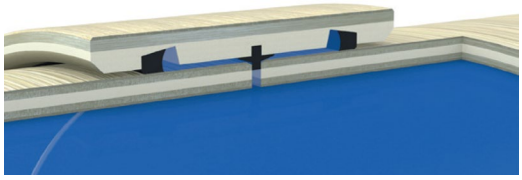
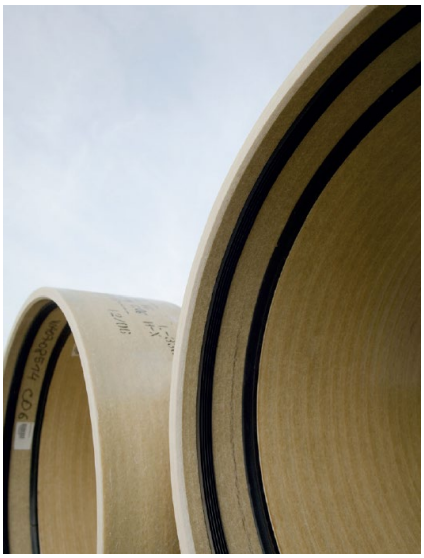
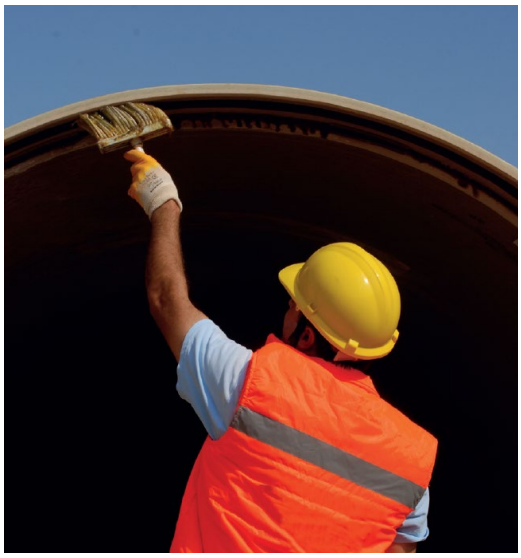
FIBERGLASS
PRESSURE COUPLING

MORE THAN 6 MILLION COUPLINGS HAVE BEEN INSTALLED WORLDWIDE

Most buried fiberglass pipelines are assembled with the trusted Thompson Pipe Pressure Coupling. These couplings have been used on five continents of the world for more than 40 years. The expected lifetime of our Fiberglass Pressure Couplings is more than 150 years. Therefore, the Pressure Coupling is a preferred coupling for most direct bury installations.







Assembly of the Flowtite Pressure Coupling

BENEFITS AND CUSTOMER VALUE	
Benefits	· Two separate gaskets for trouble free pressure distribution · Quick to assemble
Customer value	· Reliable! 6 million in service every day - worldwide · 150 years – expected lifetime!
Areas of use	· Gravity Sewer · Sewer Force Mains, · Water Transmission · Irrigation · Treatment Plants · Penstock
Other Available Joint Systems	· Angled Coupling · Restrained Lock Joint · Flush Sleeve

TECHNICAL DATA	
Operating pressure	Up to 450 PSI
Coupling material	Fiberglass Reinforced Plastic (FRP)
Estimated lifetime	More than 150 years
External Waterhead	462 Feet
Operating temperature	-58 °F – +122 °F
Gasket design	REKA
Gasket material	EPDM
Diameter range (DN)	12” – 156”
Fits the following pipes	Pressure pipe and sewer pipe
International Pipe Standards	**ASTM**: D3262, D3517, D3754, D4161; **AWWA** C950; **ISO**: 10639, 10467

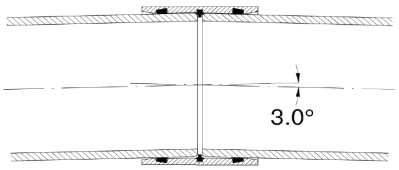
THOMPSON™ PIPE GROUP

FIBERGLASS
ANGLED COUPLING

COUPLING FOR INCREASED ANGULAR DEFLECTIONS UP TO 3° , WITHOUT THE USE OF THRUST BLOCKS.

The Angled Coupling is designed for pressure pipelines up to 250 psi. It is based on the design of the trusted Flowtite Pressure Coupling, a design that has been used on five continents of the world for more than 40 years. The expected lifetime of our fiberglass couplings is more than 150 years.

Radius of Curvature at Standard Pipe Lengths			
Pipe Length	10 ft	20 ft	40 ft
Radius of Curvature	190 ft	383 ft	763 ft



BENEFITS AND CUSTOMER VALUE

Benefits	· 3° angle on each coupling · Reduces number bends · No thrust blocking required · Quicker and easier installation
Customer value	· Cost efficient curving of the pipeline · Minimized construction & design work · Reduced cost on fittings and bends
Applications	· Sewer Force Mains, · Water Transmission · Irrigation · Treatment Plants · Penstock
Other Available Joint Systems	· Pressure Coupling · Restrained Lock Joint · Flush Sleeve

Note: DN54 upwards requires adjustment of the pipe spigots.

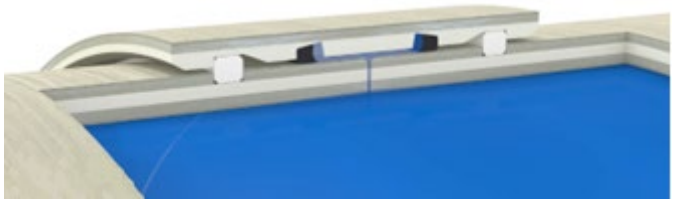
TECHNICAL DATA

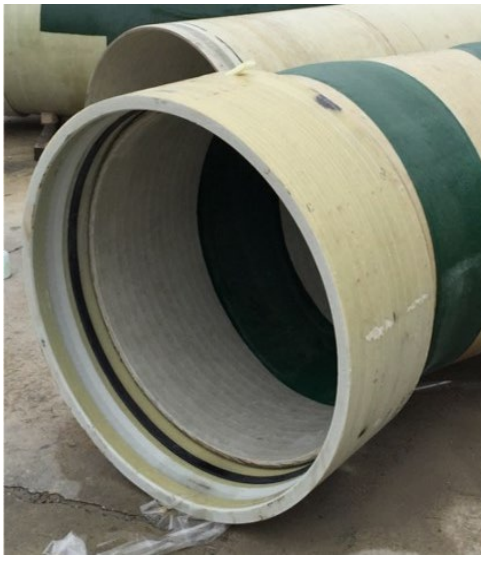
Operating pressure	Up to 250 PSI
Coupling material	Fiberglass Reinforced Plastic (FRP)
Estimated lifetime	More than 150 years
Fits the following pipes	Water and Sewer Pressure Pipe
Operating temperature	-58 °F – +122 °F
Gasket design	REKA
Gasket material	EPDM
Diameter range (DN)	12" – 99"
Minimum radius of curvature	190 ft at 10 ft pipe lengths
International Pipe Standards	**ASTM**: D3262, D3754, D3517, D4161; **AWWA** C950; **ISO**: 10639 10467

THOMPSON™ PIPE GROUP

FIBERGLASS
RESTRAINED LOCK JOINT

The Thompson Pipe Group fiberglass restrained locked joint is a double bell with rubber gaskets and locking rods to transfer axial thrust from one pipe section to another. On each side, the coupling bell has a standard rubber gasket and a rod-groove system, through which the load is transferred via compressive and shear action. The pipe spigot for locked joints has a matching groove. Locking rods are inserted with a hammer.





BENEFITS AND CUSTOMER VALUE

Benefits	· Two separate gaskets for trouble free pressure distribution · Quick and easy assembly
Customer Value	· 150 years – expected lifetime! · No buried metallic components
Applications	· Sewer Force Mains, · Water Transmission · Irrigation · Treatment Plants · Penstock
Other Available Joint Systems	· Pressure Coupling · Angled Coupling · Flush Sleeve

TECHNICAL DATA

Operating pressure	Up to 250 PSI*
Coupling material	Fiberglass Reinforced Plastic (FRP)
Estimated lifetime	More than 150 years
External Waterhead	462 Feet
Operating temperature	-58 °F – +122 °F
Gasket design	REKA
Gasket material	EPDM
Key-lock material	Polyamide 66
Diameter range (DN)	12” – 78”
Fits the following pipes	Water and Pressure Sewer Pipe
International Pipe Standards	**ASTM**: D3754, D3517, D4161; **AWWA** C950; **ISO** 7432

* Pressure dependent upon pipe diameter

THOMPSON PIPEGROUP

FIBERGLASS
FLUSH JOINT

OUR FIBERGLASS FLUSH JOINTS ARE METICULOUSLY DESIGNED FOR MICROTUNNELING, PIPE JACKING AND PIPE REHABILITATION INSTALLATION METHODS.

Our flush fiberglass joint is made to meet your exact needs with custom outer diameters, lengths, stiffness and pressure classes. This joint is the ideal for trenchless pipe installations. We can also customize the pipe for grout ports or supply fiberglass Intermediate Jacking Station leading and trailing pipes for your tunneling projects.

BENEFITS AND CUSTOMER VALUE	
Benefits	· Lighter than steel and concrete · Thinner pipe walls – relative to strength · High axial compressive strength · Corrosion Resistant
Customer Value	· Even smaller jacking machines handles it easily! · Less energy consumption during installation · Thinner pipe walls gives larger inner diameter
Applications	· Sewer Rehabilitation · Water Rehabilitation · Tunneling – Sewer
Installation Methods	· Microtunneling · Pilot tube · Pipe Jacking · Auger Boring · Sliplining

TECHNICAL DATA	
Operating pressure	Gravity to 100 psi
Main material	Fiberglass Reinforced Plastic (FRP)
Estimated lifetime	More than 150 years
External waterhead	277 feet
Operating temperature	-58 °F – +122 °F
Standard Lengths	3 – 40 ft
Gasket material	EPDM
Diameter range (DN)	12" – 126"*
Additional Technical Data	See TPG Trenchless Guide
International Pipe Standards	**ASTM**: D3262, D3754, D3517, D4161; **ISO**: 10639 10467

*Other sizes available upon request

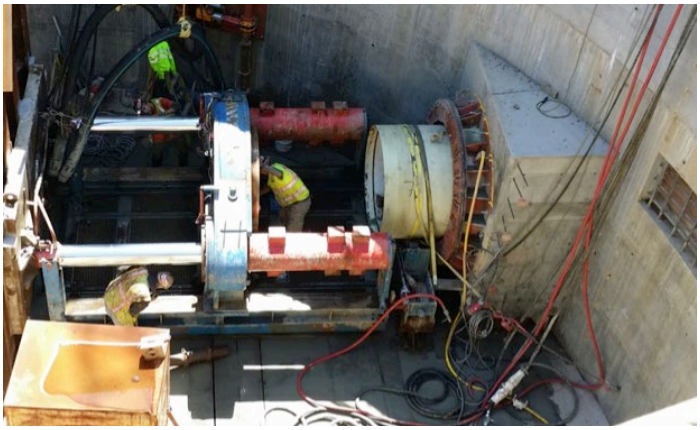
THOMPSON PIPEGROUP

FIBERGLASS
JACKING PIPE

FLUSH JOINT
Datasheet 09-2022

OUR FIBERGLASS JACKING PIPES ARE DESIGNED FOR TRENCHLESS INSTALLATIONS UNDER STRUCTURES LIKE ROADS, RAILWAYS AND BUILDINGS.

Tough, state-of-the-art Flowtite fiberglass pipe is made to meet your exact jacking needs, with custom outer diameters, lengths, stiffness and pressure grades. If an Intermediate Jacking Station (IJS) is needed for a long run, then Flowtite IJS leading/trailing pipes can be supplied. For your next jacking project, you owe it to yourself and your clients to take a closer look at Flowtite fiberglass pipe.



BENEFITS AND CUSTOMER VALUE	
Benefits	· Lighter than steel and concrete · Thinner pipe walls – relative to strength · High axial compressive strength · Corrosion Resistant
Customer Value	· Even smaller jacking machines handles it easily! · Less energy consumption during installation · Thinner pipe walls gives larger inner diameter
Applications	· Sewer Rehabilitation · Water Rehabilitation · Tunneling – Sewer
Installation Methods	· Microtunneling · Pilot tube · Pipe Jacking · Auger Boring · Sliplining

TECHNICAL DATA	
Operating pressure	Gravity to 100 psi
Main material	Fiberglass Reinforced Plastic (FRP)
Estimated lifetime	More than 150 years
External waterhead	277 feet
Operating temperature	-58 °F – +122 °F
Standard Lengths	3 – 40 ft
Gasket material	EPDM
Diameter range (DN)	12” – 96”
Additional Technical Data	See reverse side
International Pipe Standards	**ASTM**: D3262, D3754, D3517, D4161; **ISO**: 10639 10467

THOMPSON PIPEGROUP

FIBERGLASS
SLIPLINE PIPE

FLUSH JOINT
Datasheet 09-2022

OUR HIGH STRENGTH FIBERGLASS SLIPLINE PIPES ARE PERFECT FOR REHABILITIATING DETERIORATING PIPELINES WITH A QUICK AND EASY INSTALLATION.

With their high strength and flush joint design, our FRPM pipes are well suited for sliplining applications. The pipe can be assembled in an access pit and pushed inside the existing sewer, storm water or water host pipes. Alternatively, the pipes can be brought in, pipe by pipe, and jointed inside the existing tunnel. Our slipline pipe allows for installation with live flows which eliminates by-pass pumping.

BENEFITS AND CUSTOMER VALUE

Benefits	· Lightweight and easy to handle · Thinner pipe walls – relative to strength · High axial compressive strength · Corrosion Resistant · Full Structural Rehabilitation Method
Customer Value	· Rehabilitates old and deteriorating pipelines without removal of existing product · Thinner pipe walls gives larger inner diameter · Flush sleeve maximizes flow area · More than 150 years expected lifetime!
Applications	· Sewer Rehabilitation · Water Rehabilitation · Storm Drain Rehabilitation
Installation Methods	· Jacked · Carried in by cart

TECHNICAL DATA

Operating pressure	Gravity to 100 psi
Main material	Fiberglass Reinforced Plastic (FRP)
Estimated lifetime	More than 150 years
External waterhead	277 feet
Operating temperature	-58 °F – +122 °F
Standard Lengths	3 – 40 ft
Gasket material	EPDM
Diameter range (DN)	12” – 126”*
Additional Technical Data	See TPG Trenchless Guide
International Pipe Standards	**ASTM:** D3262, D3754, D3517, D4161; **ISO:** 10639 10467

*Other sizes available upon request

THOMPSON PIPEGROUP