



KLINGER

Pipe Products

**Couplings
& Flange Adaptors**

**Pipe Repairs
& Pipe Fittings**

**Bellows
& Strainers**

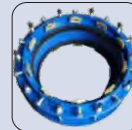
Tap In Products



KLINGER Pipe Products Finder - Select the correct product for the job



POLYGRIP COUPLING
DN63mm - DN315mm.
Up to PN16.
HDPE and PVC pipe.



LARGE DIAMETER. POLYGRIP
DN350mm - DN600mm.
Up to PN16.
HDPE pipe.



EVOGRIP COUPLING
DN110mm and DN160mm.
Up to PN16. Cost effective restrained joints for HDPE and PVC pipe.



G-FLEX GRIPPER COUPLING
DN20mm - DN350mm.
Up to PN30.
Steel pipe.

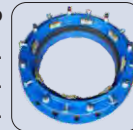
RESTRAINED COUPLINGS

For plastic and metallic pipe. Join plain ended pipes providing full axial restraint. Thereby preventing the pipework from pulling apart. No need for pipe anchors, thrust blocks or pipe restraint by other means. Saving time and money.

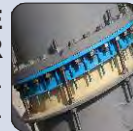
POLYGRIP ADAPTOR
DN63mm - DN315mm.
Up to PN16.
HDPE and PVC pipe.



LARGE DIA. POLYGRIP
DN350mm - DN600mm.
Up to PN16.
HDPE pipe.



RESTRAINED FLANGE ADAPTOR
DN50mm - DN2000mm.
Up to PN64. Steel pipe.



RESTRAINED ADAPTORS

Join plain ended pipe to flanged pipe providing full axial restraint. Thereby preventing the pipework from pulling apart. No thrust blocks required.



UNIFIT ADAPTORS
DN40mm - DN600mm.
PN10/16.
Universal flange drilling.



FLANGE ADAPTORS
DN40mm - DN3000mm.
Up to PN64.
For all rigid pipes.



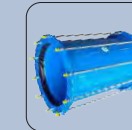
ENERSEAL ADAPTORS
DN315mm - DN1000mm.
Up to PN25. PVC pipe.

FLANGE ADAPTORS

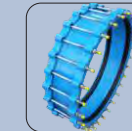
Cost effective rapid connection of plain ended pipes to flanged pipes. Universal drilling and special request drilling available.



UNIFIT COUPLING
DN40mm - DN600mm.
Up to PN64.
Wide range. All rigid pipe.



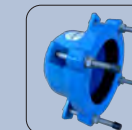
LONG BARREL COUPLING
DN40mm - DN3000mm.
Up to PN64. All rigid pipe.



LARGE DIA. COUPLING
DN650mm - 3000mm. Up to PN64.
All rigid pipe materials.



STEP COUPLING
DN40mm - DN3000mm.
Up to PN64.
All rigid pipe materials.



END CAP
DN40mm - 3000mm. Up to PN64.
All rigid pipe materials.

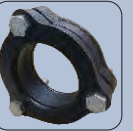
JUNIOR COUPLING
DN15mm - DN50mm.
Up to PN40.
Steel pipe.



DEDIFIT COUPLING
DN40mm - DN400mm.
Up to PN16.
Dedicated PVC and steel pipe.



SHORT COLLAR PIPE COUPLING
DN50mm - DN300mm.
Up to PN16. Fibre cement pipe.



G-FLEX INSTALL COUPLING
DN15mm - DN2500mm.
Up to PN16.
All pipe.



LP COUPLING
DN280mm - DN3000mm.
Low pressure structured wall pipe.



COMPLETE RANGE OF PIPE COUPLING PRODUCTS

For specialized and standard plain ended pipe connections.



DISMANTLING JOINT
DN40mm - DN3000mm.
Up to PN40.
For all flanged pipes.



ENERSEAL DISMANTLING JOINT
DN50mm - DN1000mm.
Up to PN25.
Fast installation for all flanged pipes.



RUBBER EXPANSION BELLOWS
DN20mm - DN600mm.
Up to PN16.
For all flanged pipes.

DISMANTLING JOINTS

For valve installations and future valve maintenance offering easy installation adjustment.

RUBBER BELLOWS

For absorbing vibration, compensating for pipe movement.



REPAIR COLLAR
DN40mm - DN3000mm.
Up to PN40. For all bell & spigot pipes.

REPAIR COLLAR

For the repair of leaking bell and spigot joints, AC collars and couplings. No need to dig up and disturb the pipe. Simply install around the leaking joint.



SNAP CLAMP
DN15mm - DN50mm.
PN16. PVC, steel, copper pipe.



JUNIOR REPAIR CLAMP
DN15mm - DN50mm.
PN16. PVC, steel, copper pipe.



ULTRA CLAMP
DN40mm - DN1200mm.
Up to PN16.
All rigid pipes.



G-FLEX REPAIR
DN20mm - DN2500mm.
Up to PN25.
All rigid pipes.

ULTRA CLAMP SERIES

For rapid and permanent repair of damaged pipes including:

- corrosion pitting
- impact damage
- cracks

These products should not be used for joining pipes as they do not accommodate pipe misalignment or angular deflection.

G-FLEX REPAIR

For the repair of large diameter and pressure pipes. These products can be used to join pipes as they can accommodate pipe misalignment and angular deflection.



G-FLEX REPAIR COUPLING
High pressure repairs for all types of rigid pipe materials.

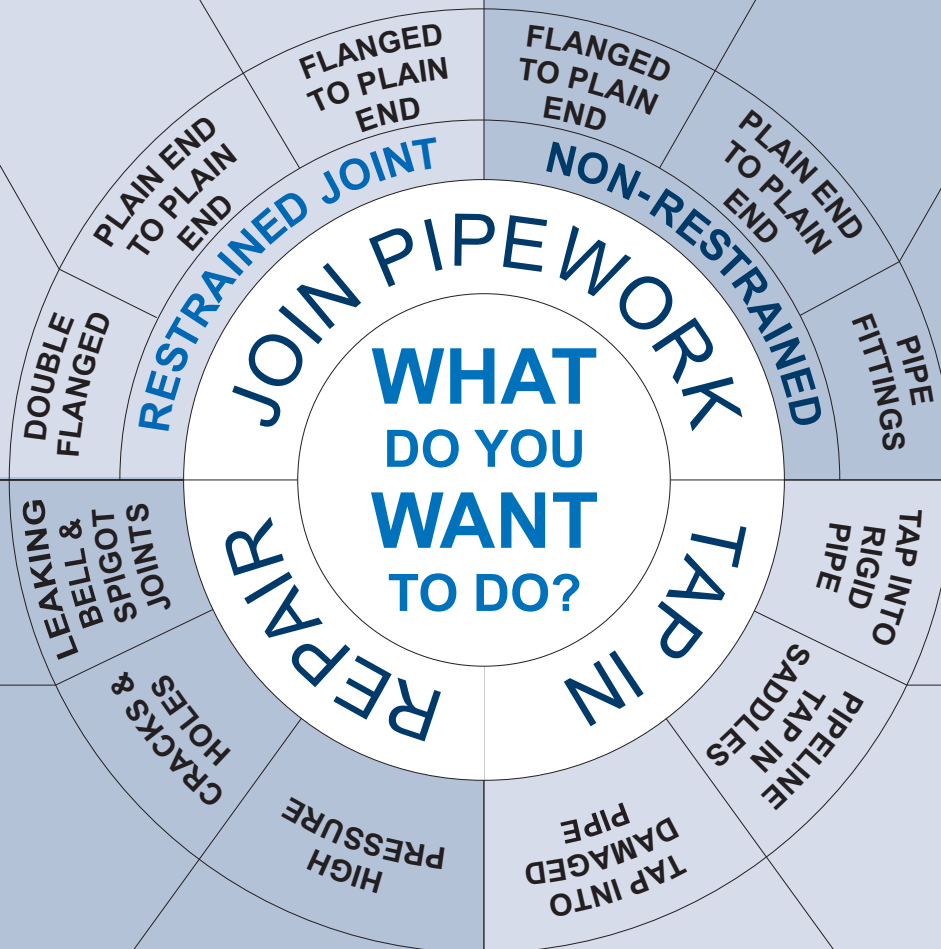
G-FLEX REPAIR
DN20mm - DN2500mm.
Up to PN25.
All rigid pipes.



EASI TEE
DN150mm - DN600mm.
Up to PN25. DN25mm - DN250mm outlet.



ULTRA SADDLE
DN50mm - DN350mm.
Up to PN16. DN15mm - DN50mm outlet.



ENERSEAL FITTINGS
DN315mm - DN1000mm.
Up to PN25.
Boltless socketed fittings for PVC pipe.

HALF COUPLINGS FOR FITTINGS
Manufactured and sold ready for welding to fabricated fittings at customer facilities.

STEEL SOCKETED FITTINGS
DN40mm - DN1600mm.
Up to PN40.
Socketed fittings for all pipe.



UNDER PRESSURE DRILL KIT - UPD
Complete a live tap into an operational pipeline by utilizing a suitable saddle and valve.

UPD
DN15mm - DN150mm.
Drilling heads up to PN25.



BOLT ON PIPE SADDLES
Available for all types of rigid pipe materials. The range covers outlets from 8mm up to 100mm BSP and flanged.

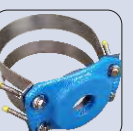
DI SADDLE FOR PVC PIPE
DN63mm - DN200mm.
Up to PN25.
DN25mm - DN50mm outlet.



BUFFALO SADDLE - SINGLE STRAP
DN50mm - DN600mm.
Up to PN16.
DN8mm - DN50mm outlet.



BUFFALO SADDLE - DOUBLE STRAP
DN125mm - DN600mm.
Up to PN16.
DN8mm - DN100mm outlet.



SERVICE SADDLE
DN50mm - DN350mm.
Up to PN16. DN15mm - DN50mm outlet.



Couplings & Flange Adaptors

Restrained Products

Applications:  Water Products  Gas Products  Industrial Applications



Dism. Joint & Rest. FA



EvoGrip



Flanged Flexibility

Dismantling Joints and Restrained Flange Adaptors are designed to provide greater versatility for the designer at the planning stage and the contractor at the installation stage of flanged pipe work systems. Dismantling Joints allow for simpler valve and pump maintenance in chambers.

Allows for Adjustment

Dismantling Joints are double flanged fittings that accommodate 50mm (2") axial adjustment. For applications where a full-face flange is required, such as wafer and butterfly valves, the full-face of the spigot flange provides a full flange sealing area. Once positioned at the required length the product is locked into position with the tie rods supplied. Thereby creating a restrained connection.

The Range

DN40mm - DN3000mm any flange drilling up to PN64.



G-Flex Gripper



Application

G-Flex Gripper couplings are designed to provide fully restrained joints for metallic pipework. The coupling is suitable for working pressures from 12 bar to 30 bar depending on the nominal size. With its corrosion resistant stainless steel construction and full end load restraining performance, the G-Flex Gripper is ideal for the marine industry.

Advantages

The G-Flex Gripper replaces:

- welding - flanging - threading - grooving

The coupling is ready to use and fitted in a matter of minutes without heavy equipment and long setup times. Manufactured from stainless steel with rubber seals suitable for potable water or chemicals such as various oils.

The Range

G-Flex Gripper couplings are available for steel pipe from DN20mm - DN350mm.

Application

EvoGrip Couplings are designed to provide fully restrained joints for HDPE pipework. The coupling is suitable up to and including a working pressure of 16 bar (1600 kPa).

Cost Effective

The EvoGrip is:

- ✓ lightweight and cost effective
- ✓ corrosion resistant
- ✓ extremely simple to install

The EvoGrip can be used on site immediately, eliminating the planning, cost and need for butt welding machines for the connection of HDPE pipe. Replacing TAK clamps and stub and flange connections for HDPE pipe.

The Range

EvoGrip Couplings are available for 110mm and 160mm HDPE.



PolyGrip



Application

The PolyGrip Range was designed as a simple, high performance end load restraint mechanical method of joining PVC and HDPE pipe. Designed to support and grip the pipe, preventing pipe collapse and pipe end pullout. The coupling is suitable for working pressure up to 16 bar (1600 kPa).

Advantages

The PolyGrip Range includes the following:

- fittings - couplings - flange adaptors - harnesses

Ready and simple to use. PolyGrip products can be installed under wet conditions without shelters, and even under water. It is ideal for on-the-spot repairs, no need for fusion joining equipment when unexpected problems arise.

The Range

PolyGrip products are available from 90mm - 315mm PVC and HDPE pipe outside diameters.

Couplings & Flange Adaptors

Non Restrained Products



DediFit Couplings



Dedicated Large Diameter



Dedicated Couplings for PVC/Steel Pipe

DediFit Couplings are designed specifically for quick and simple installation on PVC and/or steel pipe. The limited and dedicated operating range ensures the couplings are tightened with only several turns of the nut.

The Range

DediFit Couplings are supplied in red oxide primer or fusion bonded epoxy corrosion protection. Sizes available include:

PVC

63 / 90 / 110 / 160 / 200 / 250 / 315 / 355 / 400mm

STEEL

88.9 / 114.3 / 165-168 / 219 / 273 / 324 / 356 / 406mm

All couplings are suitable for a 16 bar working pressure.

Designed for Flexibility

Designed to allow several degrees of pipeline angular deflection, KLINGER Large Diameter Couplings and Adaptor Products are ideal for accommodating misaligned pipes. Simplifying the task of the design engineer and contractor.

Design Capability

With input from customers, products can be designed specifically to suit certain applications. Longer barrels, higher pressures, different coatings, special steels and specialized rubber compounds are some of the non-standard components added at design stage.

The Range

A comprehensive range is available from DN700mm - DN3000mm. Stepped couplings join pipes of different external diameters and flange adaptors can be supplied with flanges drilled to any national or international standard, or to a customers own detailed specification with pressure ratings up to 64 bar.





Universal Wide Range Couplings & Adaptors

KLINGER Unifit Universal Pipe Couplings are designed to accommodate plain ended pipes with different outside diameters. One fitting is able to connect a wide variety of pipe materials including steel, ductile iron, PVC, cast iron, GRP and asbestos cement pipes, amongst others. The range is designed and manufactured under a strict quality management system and the products meet the requirements of SANS 1808-2 of the South Africa Bureau of Standards. All products in the range have a test pressure of 24 bar on water (9 bar on gas) and are suitable for 16 bar working pressure for water (6 bar on gas).

Higher pressures up to 64 bar are available on request.



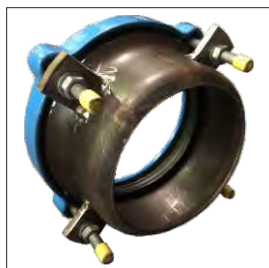
For joining plain ended pipes of similar or dissimilar materials, UNIFIT Universal Couplings have wide sealing tolerances ensuring all popular pipe materials can be connected. From DN40mm - DN600mm. Larger diameter wide range couplings can be manufactured.



UNIFIT Long Barrel Couplings are designed specifically for the connection of GRP and HDPE pipe. Barrel lengths are specified to cater for HDPE expansion and contraction upon installation. They can be used to span large gaps between pipe ends.



UNIFIT Step Couplings are used for connecting pipes of different nominal bore and different pipe material. From DN40mm - DN600mm. Restraining cleats and harnesses can be provided to prevent step couplings moving. Double bolt sets are available for GRP connections.



Half Couplings are supplied for welding to mild steel fittings from DN40mm - DN600mm. Enabling socketed fittings to be manufactured for all rigid pipe materials catering for pressure ratings up to and including PN64.

Specials

Longer barrels, higher pressures, different coatings, special stainless steels and specialized rubber compounds are some of the non-standard components available. We are able to design and manufacture special couplings according to customer requirements.

Extensive Range

An extensive range from DN15mm - DN600mm exists for:

- Couplings and Long Barrel Couplings
- Universal Drilling and Steel Flange Adaptors
- Step Couplings
- End Caps and End Plugs



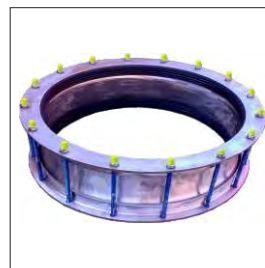
For joining flanged pipeline components to plain ended pipes, UNIFIT Universal Flange Adaptors have wide sealing tolerances and a universal flange drilling to suit T1000/3 and T1600/3. In some cases the adaptors also accommodate BS10 T/D. From DN40mm - DN600mm.



UNIFIT Steel Flange Adaptors are available in any flange drilling from PN6 to PN64 and any nominal bore from DN40mm - DN600mm. Restrained Flange Adaptors are also available.



UNIFIT External Test Caps are suitable for all rigid pipe materials. Sockets for pipe testing can be added as required. Sizes from DN40mm - DN600mm. Internal test plugs can be manufactured.



Specials are available. Customers can specify special materials for bolts, rubbers seals, sleeve and end rings. Higher pressure ratings are available up to 64 bar. Special corrosion protection coatings and dimensions can be made to order for all products.

Large Diameter Products

All couplings and adaptors are available as Dedicated Large Diameter products. From DN700mm - DN3000mm. Including the following: Couplings, Step Couplings, Long Barrel Couplings, Flange Adaptors, Restrained Flange Adaptors, Dismantling Joints, End Caps, etc.

PIPE OD vs KLINGER COUPLING CODE

5

NB	STEEL	DI	PVC / HDPE	AC - ASBESTOS CEMENT PIPE FC - FIBRE CEMENT PIPE						GRP				FLOWTITE	CODE	COUPLING RANGE (mm)		
				COD	CID CLASS						VECTUS CLASS					MIN	MAX	
					6	12	18	24	30	36	6	10	16			20		
40	48.3 TC40														TC40	48	58	
50	60.3 TC50		50 TC40	69 TC50											TC50	59	73	
65	76.1 TC65		63 TC50	82 TC65											TC65	72	85	
75		98 TC80	75 TC65	96 TC80											TC65-2	74	90	
80	88.9 TC65-2		90 TC65-2												TC80	88	103	
100	114.3 TC100	118 TC100-2	110 TC100	122 TC100-2											TC100	98	118	
125	139.7 TC125		125 TC100-2	150 TC125											TC100-2	108	128	
140			140 TC125												TC125	132	154	
150	165.1 TC150	170 TC150-2	160 TC150	177 TC150-2											TC150-2	150	170	
175	193.7 TC150-3			205 TC175											TC150-3	159	182	
200	219.1 TC175-2	222 TC175-2	200 TC175	232 TC200											TC175-2	180	194	
225	244 TC225			259 TC225-2											TC200	192	209	
250	273 TC225-3	274 TC225-3	250 TC225	286 TC250											TC225	205	222	
300	324 TC300-2	326 TC300-2	315 TC300	345 TC300-3											TC225-2	218	235	
350	356 TC350	378 TC350-3	355 TC350	426 TC400-3	378 TC350-3	382 TC350-3	396 TC400	412 TC400-2	426 TC400-3	440 TC400-4	359 TC350-2	360 TC350-2	363 TC350-2	365 TC350-2	TC200	218	235	
400	406 TC400	429 TC400-3	400 TC400	453 TC450	430 TC400-3	436 TC400-4	450 TC450	468 TC450-2	484 TC450-3	503 TC500	409 TC400-2	410 TC400-2	414 TC400-2	417 TC400-2	TC225-2	235	252	
450	457 TC450	480 TC450-3	450 TC450	507 TC500	483 TC450-3	488 TC450-3	506 TC500	524 TC500-3	545 TC500-4	566 TC500-5	459 TC450	462 TC450-2	466 TC450-2	470 TC450-2	TC225-3	250	274	
500	508 TC500	532 TC500-3	500 TC500	560 TC500-5	535 TC500-4	543 TC500-4	560 TC500-5	583 TC500-6	606 TC600	629 TC600-3	510 TC500-2	511 TC500-2	517 TC500-2	521 TC500-2	TC250	271	289	
525				587 TC500-6											TC250-2	286	304	
550	559 TC500-5			614 TC600-2											TC300	302	318	
600	610 TC600	635 TC600-3	630 TC640ID	667 TC677ID	638 TC600-3	651 TC661ID	672 TC682ID	699 TC709ID	727 TC735ID	755 TC763ID	561 TC500-5	563 TC500-5	569 TC500-5	573 TC500-5	TC300-2	315	332	
											612 TC600-2	614 TC600-2	620 TC600-2	624 TC600-2	TC300-3	334	350	
															TC350	344	360	
															TC350-2	356	372	
															TC350-3	374	391	
															TC400	391	407	
															TC400-2	401	417	
															TC400-3	417	437	
															TC400-4	430	446	
															TC450	444	460	
															TC450-2	458	474	
															TC450-3	477	493	
															TC500	494	510	
															TC500-2	509	523	
															TC500-3	518	534	
															TC500-4	526	546	
															TC500-5	556	572	
															TC500-6	577	593	
															TC600	604	614	
															TC600-2	611	624	
															TC600-3	627	643	



Couplings & Flange Adaptors

Non Restrained Products



Junior Couplings



Designed for Simplicity

KLINGER Junior Couplings are designed for quick and easy connection of galvanised mild steel pipes.

For repairs of faulty sections of pipe, the damaged section can be cut out and a new pipe piece can be quickly installed by simply sliding the junior coupling over the ends of the inserted pipe piece and then sliding back over the pipe ends to be connected. Junior couplings have hexagonal end nuts that can be tightened with a suitable wrench.

The Range

The range is available from DN15mm - DN50mm, with pressure ratings up to 40 bar (4000kPa).



Short Collar Couplings



Dedicated Couplings for AC/FC Pipe

Short Collar Couplings are designed specifically for quick and simple installation on asbestos cement and fibre cement pipes. The limited and dedicated operating range ensures the couplings are tightened with only several turns of the nut.

Short collar couplings are supplied in bitumen coating for corrosion protection.

The Range

Short collar couplings are available from DN50mm - DN300mm and suitable for a 16 bar working pressure.



G-Flex Install



Flexibility

G-Flex Install Couplings are high performance couplings allowing pipe angular deflection, expansion and contraction.

Superior Design

G-Flex Couplings are manufactured completely from stainless steel offering superior corrosion protection. The entire internal surface of the coupling is rubber lined, enabling these products to be used for harsh pipeline contents. EPDM, NBR or specialized rubber compounds are available.

G-Flex Couplings utilize a 'self-energizing' rubber seal. As the pressure increases, the lip seals are pressed more tightly against the pipe surface. This makes the G-Flex the best possible means of connecting GRP pipe.

The Range

G-Flex couplings are available in stainless steel or FBE coated mild steel from DN20mm - DN3000mm for virtually any pipe material.



Low Pressure Coupling



Application

LP Couplings are dedicated couplings designed as simple, cost effective methods of joining large diameter structured wall pipes (SWP) such as:

- Starway pipe
- Weholite pipe

Offering excellent corrosion resistance with full stainless steel construction.

Starway Couplings are designed for Starway SWP only.

The Weholite LP Coupling is designed for joining Weholite SWP. However, the Weholite LP Coupling can be used on any pipe material of gravity fed pipelines not exceeding 1 bar (100kPa), such as concrete.

The Range

Starway Couplings from DN200mm - DN2200mm.

Weholite LP Couplings from DN280mm - DN3000mm.

Tap In Products



DI Saddle for PVC Pipe



Application

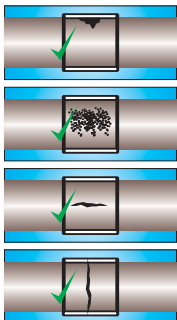
Ductile Iron Saddles for PVC pipe are dedicated saddles specific to PVC pipe. A dedicated range is available for pipes from OD63mm - OD200mm with branch outlet sizes of DN25mm or DN50mm female screwed BSP sockets.

Design Advantages

The saddle head includes a molded rubber seal that extends below and up into the saddle outlet. The castings are drilled and tapped eliminating loose nuts and washers.



Easi Tee



Application

Easi Tees are robust bolt on tee pieces that can be installed on live pipelines. Available from DN40mm - DN600mm with outlets available up to DN300mm.

Advantages

Easi Tees offer a secure, rigid, full circumferential seal around the pipe, supporting the pipe structurally.



Ultra Saddle & Tee



Application

Stainless steel full circle tap in saddles and tees.

Permanent Tap In Connection

Ultra Saddles and Tees are available in various clamp lengths (up to 600mm wide) and suitable for virtually any pipe material. Supplied complete with stainless steel armour plate vulcanized into the rubber seal at the time of molding, offering a permanent tap in solution. Available for pipe sizes from DN40mm - DN600mm. Outlet size DN15mm - DN50mm.



Buffalo Saddle



Tap In Flexibility

Buffalo Saddles are designed to offer the installer a universal saddle that will accommodate almost all rigid pipes diameters of a single nominal bore.

Allows for Adjustment

The Buffalo Saddle utilizes a stainless steel strap band that is tightened via fasteners on each side of the saddle head. The length of the fastener enables the strap band to be assembled around pipes of up to 20mm diameter variance. Single strap and double strap saddle heads are available with BSP screwed outlets from DN20mm - DN100mm or flanged outlets from DN50mm - DN100mm.

In conjunction with our Under Pressure Drilling kit, Buffalo Saddles and Easi Tees enable quick, economic and trusted tap in solutions.

The Range

For pipes from DN50mm - DN600mm with branch outlet sizes from DN20mm - DN100mm.



Under Pressure Drill



Application

Under pressure drilling is the precise process of drilling a hole into a flowing pipe system without leaking its contents or interrupting flow. We design and manufacture tapping saddles and tees that can be tailor made to your individual requirements, you install them and tap into a live operational pipeline with an Under Pressure Drilling (UPD) kit.

If customers do not want to purchase a UPD, we have the facility to tap in for our customers using our in house equipment.

Complete Solution

Under Pressure Drill kits are sold neatly packed in a robust steel box ready for use.

The Range

Under Pressure Drill kits are available with cutting heads from DN15mm - DN150mm.

Pipe Repairs



Snap Clamp



Application

The Snap Clamp series is a range of stainless steel pipe repair clamps for small diameter pipes. Snap Clamps should not be used to join pipes. As the Snap Clamp does not have a full circle seal around the entire pipe circumference, it is only suitable for repairing pin holes and localized damage.

Permanent Repair

Snap Clamps are available in 75mm lengths and are constructed with a stainless steel outer shell and a gridded rubber lining. The tightening lugs are galvanized ductile iron and therefore offer a permanent repair for pipe damage such as holes and corrosion pitting.

The Range

DN15mm - DN50mm.



Junior Repair Clamp



Application

The Junior Repair Clamp series is a range of stainless steel pipe repair clamps for small diameter pipes. They should not be used to join pipes but are suitable for repairing a full circumferential crack. The Junior Repair Clamp incorporates a gridded rubber lining with a stainless steel armour plate that prevents the rubber seal extruding out between the tightening lugs. This provides a full circle seal around the entire pipe circumference, it is therefore suitable for repairing pin holes, localized damage, pitting and circumferential cracks.

Permanent Repair

Junior Repair Clamps are available in 75mm lengths. They are constructed with a stainless steel outer shell and a gridded rubber lining with a stainless steel armour plate. The tightening lugs are galvanized ductile iron and therefore offer a permanent repair for damaged pipe.

The Range

DN15mm - DN50mm.



Ultra Clamp



Application

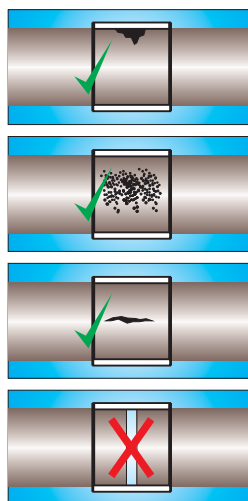
The Ultra Clamp series is a comprehensive range of stainless steel pipe repair clamps for rigid pipe materials. They should not be used to join pipes.

Permanent Repair

Ultra Clamps are available in various clamp lengths from 150mm to 1200mm wide. They are suitable for virtually any pipe material. Ultra Clamp products from DN40mm and greater are supplied as full circumferential repair clamps, complete with a stainless steel armour plate vulcanized into the rubber seal at the time of molding. Ultra Clamps are constructed from 100% stainless steel and therefore offer a permanent repair for many types of pipe damage such as cracks, holes and corrosion pitting. Special sizes and widths, and fast manufacturing for urgent breakdowns are available on request.

The Range

DN15mm - DN1200mm.



Impact damage

Corrosion holes

Small cracks

Should not be used for joining pipes

Easy to Install

Rapid installation in poor site conditions, made easy with simple, 'flip-over' action and self retaining bolts.

PIPE OD vs KLINGER ULTRA CLAMP CODE

NB	STEEL	DI	PVC / HDPE	AC - ASBESTOS CEMENT PIPE FC - FIBRE CEMENT PIPE						GRP				FLOWTITE	
				COD	CID CLASS						VECTUS CLASS				
					6	12	18	24	30	36	6	10	16		20
40	48.3 TUC1-0049														
50	60.3 TUC1-0062		50 TUC1-0049	69 TUC1-0072											
65	76.1 TUC1-0078		63 TUC1-0062	82 TUC1-0078											
75		98 TUC1-0099	75 TUC1-0072	96 TUC1-0099											
80	88.9 TUC1-0090		90 TUC1-0090												
100	114.3 TUC1-0116	118 TUC1-0116	110 TUC1-0110	122 TUC1-0125											
125	139.7 TUC1-0140		125 TUC1-0125	150 TUC1-0150											
140			140 TUC1-0140												
150	165.1 TUC1-0167	170 TUC1-0167	160 TUC1-0157	177 TUC1-0178											
175	193.7 TUC1-0193			205 TUC1-0206											
200	219.1 TUC1-0223	222 TUC1-0223	200 TUC1-0200	232 TUC1-0233											
225	244 TUC1-0241			259 TUC1-0263											
250	273 TUC1-0276	274 TUC1-0276	250 TUC1-0252	286 TUC1-0287											
300	324 TUC1-0325	326 TUC1-0325	315 TUC1-0315	345 TUC1-0347											
350	356 TUC1-0358	378 TUC2-0378	355 TUC1-0358	399 TUC2-0399	378 TUC2-0378	382 TUC2-0382	396 TUC2-0396	412 TUC2-0412	426 TUC2-0426	440 TUC2-0440	359 TUC1-0358	360 TUC1-0358	363 TUC1-0358	365 TUC2-0365	379 TUC2-0379



168 TUC1-0167	174 TUC1-0178	180 TUC1-0184	188 TUC1-0193	196 TUC1-0200
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222 TUC1-0223	229 TUC1-0233	239 TUC1-0241	250 TUC1-0252	262 TUC1-0263
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274 TUC1-0276	284 TUC1-0287	295 TUC1-0299	304 TUC1-0309	318 TUC1-0315	258 TUC1-0263	258 TUC1-0263	260 TUC1-0263	262 TUC1-0263		
328 TUC1-0332	340 TUC1-0347	353 TUC1-0358	365 TUC2-0365	378 TUC2-0378	309 TUC1-0309	309 TUC1-0309	311 TUC1-0315	314 TUC1-0315	327 TUC1-0332	

CODE	CLAMP RANGE (mm)	
	MIN	MAX
TUC1-0049	45	55
TUC1-0062	59	67
TUC1-0072	69	76
TUC1-0078	75	83
TUC1-0090	87	93
TUC1-0099	95	104
TUC1-0110	104	113
TUC1-0116	113	120
TUC1-0125	121	130
TUC1-0130	126	136
TUC1-0140	136	142
TUC1-0150	145	155
TUC1-0157	157	163
TUC1-0167	165	176
TUC1-0178	174	183
TUC1-0184	179	189
TUC1-0193	188	199
TUC1-0200	195	205
TUC1-0206	202	212
TUC1-0223	218	228
TUC1-0233	229	238
TUC1-0241	236	245
TUC1-0252	248	257
TUC1-0263	258	268
TUC1-0276	271	281
TUC1-0287	281	291
TUC1-0299	294	304
TUC1-0309	304	314
TUC1-0315	310	320
TUC1-0325	320	330
TUC1-0332	327	337
TUC1-0347	342	352
TUC1-0358	353	363

Pipe Repairs



G-Flex Repair



Permanent Pressure Pipe Repair

The G-Flex Repair Coupling is ideal for situations where a permanent repair of a pressure pipeline is required. Simply open up the coupling, wrap it around the damaged pipe and tighten the bolts. The pipe is repaired within minutes, thereby avoiding costly downtime. Being internally rubber lined and manufactured from stainless steel, the G-Flex Repair Coupling exhibits excellent corrosion resistance.

Superior Pressure Rating

G-Flex Repair Couplings offer the highest pressure rating of any wrap around pipe repair clamp or coupling. Traditional stainless steel pipe repair clamps (such as the Ultra Clamp) are unable to match the working pressure rating of a G-Flex Repair Coupling.

The Range

DN20mm - DN3000mm for virtually any pipe material.



Repair Collar



Application

For the Repair of:

- Leaking bell and spigot pipe joints
- Leaking AC or GRP pipe collars
- Leaking couplings

Repair Collars are made to order offering a quick and economical method of repairing leaking pipe joints. Creating a flexible joint that uses the same sealing principles as a standard mechanical coupling.

Repair Collars offer massive savings to the pipeline operator as the pipeline need not be emptied or cut in order to install the product to make the repair. Repair Collars are installed directly over the leaking joint or coupling without removing the existing leaking joint or coupling.

The Range

DN40mm - DN3000mm.

Bellows & Strainers



Rubber Bellows



Application

Rubber Expansion Joints (Bellows) are commonly used to absorb vibration, compensate for pipeline movement, reduce system noise and compensate for pipeline component misalignment. Additionally, rubber bellows limit electrolysis and counter expansion and contraction against start up and shutdown surge forces.

Advantages

Easy to install, economically priced.

The Range

DN20mm - DN600mm, PN10 - PN16.

BS10 Table D, EN1092-1 PN10, PN16.

Larger Rubber Expansion Joints can be quoted on request.



Pot Strainers



Advantages of a Pot Strainer

Pot Strainers reduce downtime for cleaning due to their construction including a bolted top cover and easily removable screen. They are accessed from above making them far easier to clean and replace the screen. Screens can be manufactured from any material, stainless steel grade 316 is the preferred standard. Lifting eyes and handles are supplied on the cover plate of larger pot strainers enabling easier removal and replacement thereof.

'Y' Strainers are cleaned from underneath, often resulting in difficult access.

Pot Strainers can be manufactured to customer requirements including specialized coatings and dimensions.

The Range

DN50mm - DN900mm, PN10 - PN64.

Pipe Fittings



EnerSeal Boltless Fittings



Application

Large diameter bolt-less socketed fittings for 315mm - 800mm PVC pipe. This is the most economical method of introducing fittings into a large diameter PVC pipeline. Our comprehensive range of fabricated EnerSeal fittings includes, but is not limited to the following:

- Bends
- Equal tees, scour tees, hydrant tees
- Socketed puddle pipes
- Y-pieces
- Crosses
- Flange adaptors
- Pressure testing end caps
- Straight repair connectors
- Etc.

We will supply weld on EnerSeal sockets, complete with the F576 rubber seal, to customers and fitting fabricators. Enabling customers to manufacture their own EnerSeal socketed fittings.

Advantages

- Quick, simple, cost effective installation
- No bolting required on site
- Lighter than cast ductile iron fittings
- Economically priced, less costly than cast fittings
- Locally manufactured, short lead times
- Supplied with quality self-energizing seals
- Robust
- Various coatings available
- Any standard or special fitting can be manufactured

Special Coatings

Corrosion protection coatings of fusion bonded epoxy (FBE), two pack wet spray epoxy and hot dipped galvanizing are available.

The Range

315 / 355 / 400 / 450 / 500 / 630 / 710 and 800mm OD PVC pipe up to 25 bar working pressure.



Pipe Fittings



EnerSeal Boltless Fittings

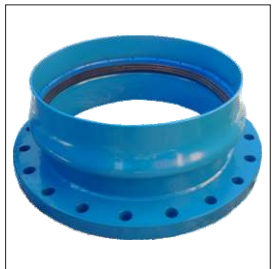


Application

Large diameter boltless socketed fittings for 315mm - 1000mm PVC pipe, PN25.



Sold un-coated ready for welding onto steel fittings. Creating socketed fittings for plain ended PVC pipe. EnerSeal Half Couplings can be manufactured for working pressure ratings up to and including PN25. From DN300mm - DN1000mm.



For joining flanged pipeline components to plain ended PVC pipes, EnerSeal Flange Adapters can be manufactured to suit any flange drilling up to and including PN25. From DN300mm - DN1000mm.

Advantages

- ✓ Quick, simple, cost effective installation
- ✓ No bolting required on site



EnerSeal Dismantling Joints are essentially 'studless' dismantling joints. No adaptor end ring is present. Therefore, there are no studs to tighten down a dismantling joint adaptor end ring, the product is quicker and vastly easier to install saving the contractor time and money.

EnerSeal Dismantling Joints are available in:

- DN50 - DN250 for PN10 and PN16
- DN300 - DN1000 for all flange drillings up to PN25.



Fabricated Fittings



Application

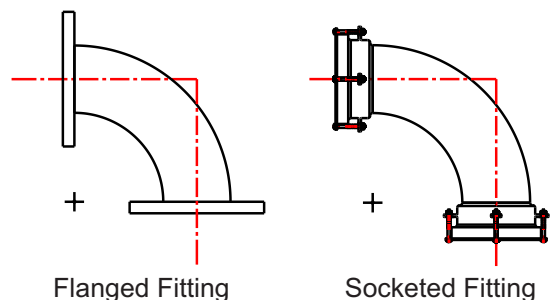
Fittings such as tees, bends, reducers, puddle pipes etc., are manufactured to order. Corrosion protection coatings such as Carboline or Sigmaguard can be specified.

Socketed Fittings

A socketed fitting is a fabricated steel fitting with a socketed end that consists of a self contained 'half coupling' that is suitable for virtually all rigid pipe materials. Plain ended pipe materials such as PVC, GRP and ductile iron can be inserted directly into the socketed fitting. Thus eliminating the need for special step couplings and providing special fittings suitable for all rigid pipe materials.

The Range

DN40mm - DN1200mm.




KLINGER
Pipe Products
TABLE OF POPULAR PIPE SIZES

NB	STEEL	DI	PVC / HDPE	AC - ASBESTOS CEMENT PIPE FC - FIBRE CEMENT PIPE						GRP				FLOWTITE	
				COD	CID CLASS					VECTUS CLASS					
					6	12	18	24	30	36	6	10	16		20
40	48,3		40												
50	60,3		50	69											
65	76,1		63	82											
75			75												
80	88,9	98	90	96											
100	114,3	118	110	122											
125	139,7		125	150											
140			140												
150	165,1	170	160	177		168	174	180	188	196					
175	193,7			205											
200	219	222	200	232		222	229	239	250	262					
225	244			259											
250	273	274	250	286		274	284	295	304	318	258	258	260	262	
300	324	326	315	345		328	340	353	365	378	309	309	311	314	327
350	356	378	355	426	378	382	396	412	426	440	359	360	363	365	379
400	406	429	400	453	430	436	450	468	484	503	409	410	414	417	413
450	457	480	450	507	483	488	506	524	545	566	459	462	466	470	464
500	508	532	500	560	535	543	560	583	606	629	510	511	517	521	515
525				587											
550	559			614							561	563	569	573	
600	610	635	630	667	638	651	672	699	727	755	612	614	620	624	617
650	660			720							662	665	672		
700	711	738		773	744	760	784	816	848		712	716	723		719
750	762			826							762	767	775		
800	813	842		879	850	868	896	935	969		813	818	826		821
850	864										864	868	878		
900	914	945		985	956	976	1008	1048			915	919	929		923
950	965										965	970	981		
1000	1016	1048		1090	1062	1084	1120	1165			1016	1020	1032		1025