

Technical Manual

UNI-Coupling



UNI-Coupling



+ connecting pipes
better, quicker
and safer than
you are used to

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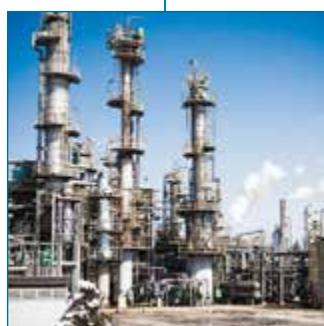
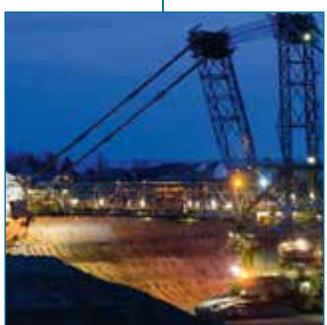
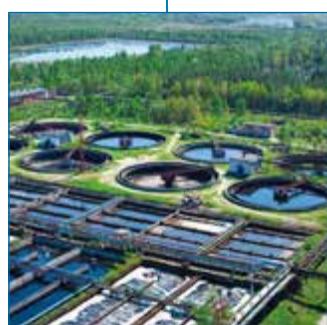
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Connecting pipes better, quicker and safer ...

With the UNI-Coupling you connect pipes the easy way. Better than a threaded connection, quicker than a welded connection and safer than a flanged connection.

The stainless steel UNI-Coupling has a number of advantages compared to similar couplers. The UNI-Coupling has two specific parts making this coupler unique. A patented seal that eliminates the risk of leakage and a special shaped anchoring grip ring, which ensures a reliable, restraint connection.

Moreover the UNI-Coupling can be installed fast and thanks to the wide range, it can effortlessly connect different types of pipes with various outside diameters. Better, quicker and safer than you are used to. The UNI-Coupling offers you an easy to install, time saving and money saving solution.

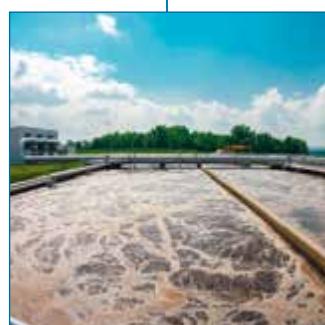
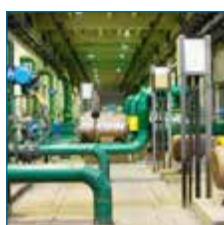


... in various applications

The UNI-Coupling has approvals for several applications such as shipbuilding, offshore, water treatment, chemical process industry, commercial buildings and infrastructure.

Applications:

- Reverse osmosis
- Process water
- Oil pipelines
- Gas turbines
- Cooling water
- Compressed air
- Rinse water
- Emergency showers
- Extinguishing lines
- Tank storage
- Bilge water
- Ballast water
- Sprinkler lines
- Drinking water
- District heating
- Air conditioning
- Wastewater
- Water distribution
- Gas distribution



High flexibility and safety margins

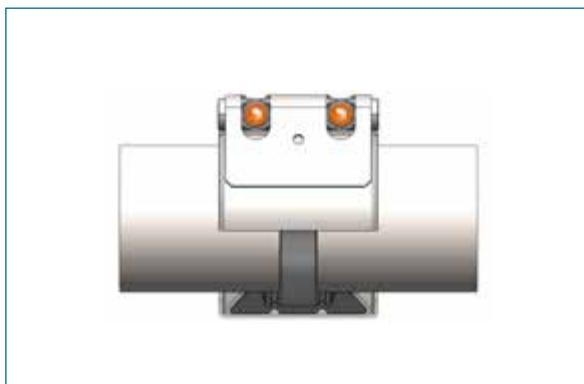
High flexibility and safety margins: the basic principle of UNI-Coupling.

Two types of UNI-Coupling

UNI-Coupling applies one unique technical principle in two basic types of products and is available for any type of pipe combination to be connected. Based on the well proven coupling technology, we combine various pipe materials for different applications.

Safety and reliability has been proven and certified by public authorities, insurance companies, technical inspectors and licensing institutes for all the major industrial sectors. You can rely on the UNI-Coupling.

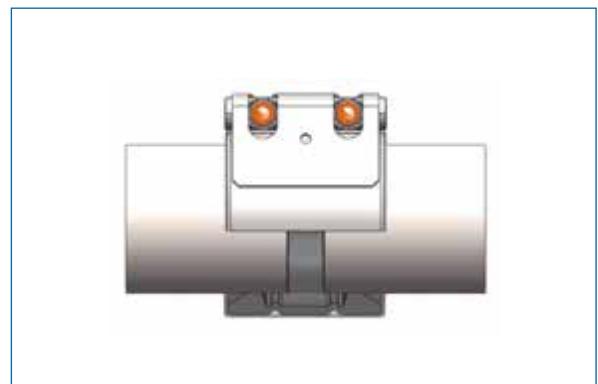
UNI-Grip / UNI-Plastgrip / UNI-Combigrip



Axially restrained



UNI-Flex / UNI-Rep



Axially flexible



Features and unique patented solution

The patented seal with an integrated compensation solution

Once installed, the unique seal with coupling compensation beads makes the use of stainless steel inserts superfluous in most applications. This actively prevents potential corrosion problems.

There will be a progressive sealing effect due to the wedgeshaped structure. This ensures a watertight sealing even at high pressures. Due to the solid seal design (without thin lips) robustness of the seal guarantees durability even under harsh conditions.

Progressive anchoring with spherical profile

Internal pressure or axial forces cause tensil loads which is absorbed by the progressive anchoring ring. The teeth

show a spherical profile which ensures a high tip hardness and therefore a solid grip even at the toughest type surface. Especially important when it comes to thin walled stainless steel or cast iron pipes.

Thanks to the simultaneous cuts of the teeth (5°) a firm grip on other surfaces like metallic coated pipes is also guaranteed. This because the teeth penetrate the outer surface and anchor in the pipe wall.

Fire protection for your safety

For applications in which a fire protection must be guaranteed we meet the high demands of the shipbuilding industry according to ISO 19921/19922. These high requirements are ensured by an additional fire protection.

Patented seal



Axially flexible



Progressive anchoring



Axially restrained



Countless benefits

Universal use

- Suitable for any pipe material
- Compatible with any traditional jointing system
- Joins pipes of similar or dissimilar materials
- Leakproof joint for liquids, gas and solids
- Quick and simple repairs of damaged pipes without service interruptions
- Installation and sealing principle consistent throughout the range
- Axially restrained or axially flexible (compensator) versions available

Economical

- Pre-assembled design ensures simple and quick installation
- For use on plain end pipes without the need for costly pipe end preparation
- Simply cut pipes to length, center coupling and tighten bolts
- Suitable for thick and thin wall pipes
- No expensive installation tools required

Reliable

- Stress free, flexible pipe joint
- Compensates axial movement and angular deflection
- Pressure resistant and leak tight even with inaccurate pipe assembly
- Dampens water hammer, vibration and structure-borne noise

Easy handling

- Detachable and reusable
- Maintenance free and trouble free
- No time consuming alignment and fitting work
- Easy installation technology
- No heat or fire hazard: can be fitted in fire risk or confined spaces without special equipment

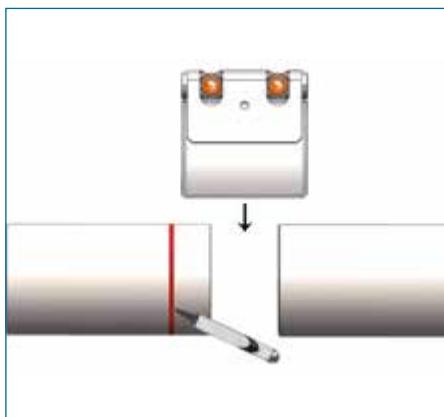
Durable

- Progressive sealing effect
- Progressive anchoring effect
- Corrosion resistant and temperature resistant
- Good resistance to chemicals
- Long service life

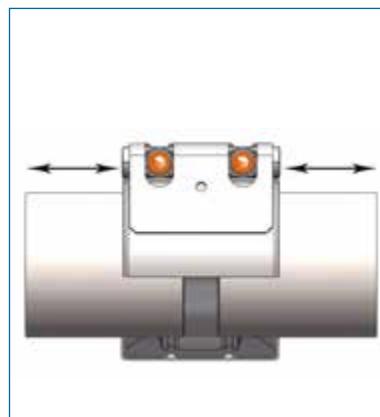
Space saving

- Compact design for space saving installation of pipes
- Needs little space
- Choice of mounting position
- Lightweight
- Increases the payload

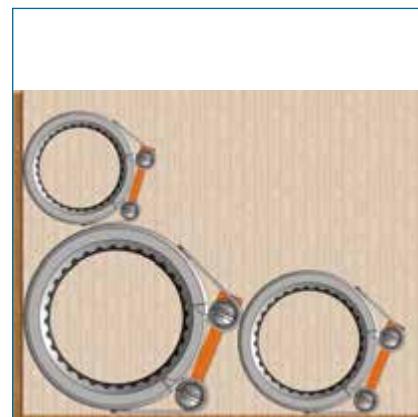
Universal use



Reliable



Space saving



Test results

Safe

- Absorbs vibrations/oscillations
- Reduces pressure surges
- Reduces fatigue fractures
- No fire or explosion hazard during installation
- No cost for protective measures
- Quadruple safety
- Absorbs overloading through flexibility

Damping

- Increases the life of valves and systems
- Compensates axial offset and angles
- Coupler and compensator in one

Long lasting stress free

- Corrosion resistant
- Good resistance to temperature and chemicals
- Low torque guarantees long service life

PN16; Ø 114,3 mm

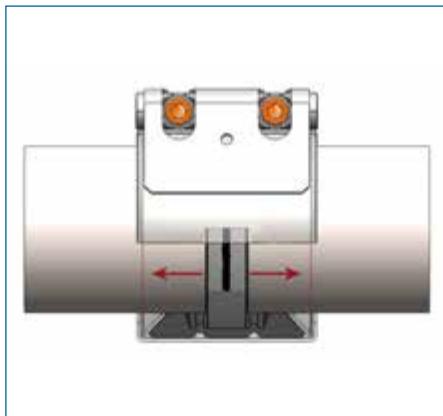
UNI-Coupling Connection (2 x DN80) 8,7 kg



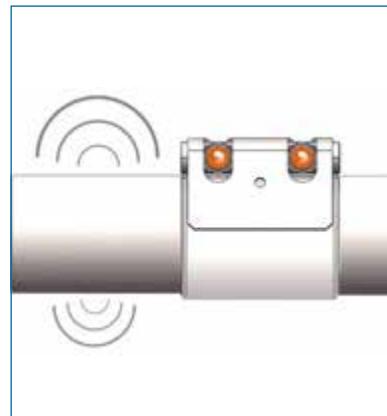
Flange Connection (2 x 2 pieces) 21,9 kg



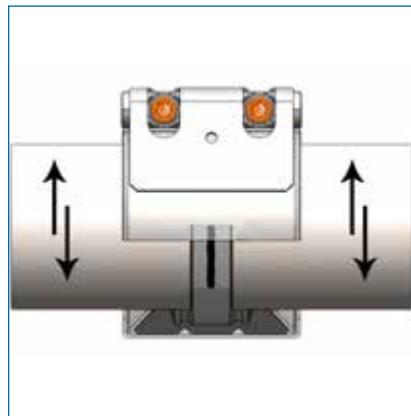
Safe



Damping



Long lasting stress free



Approvals

The UNI-Coupling has several approvals. More approvals are pending.

DVGW



TÜV NORD



IACS



- DIN EN 681
- DIN EN 682
- KTW 1.3.13
- W270
- ISO: 9001:2008
- ISO: 14001:2004

Bureau Veritas



Class NK



Lloyd's Register



DET Norske Veritas / Germanischer Lloyd's



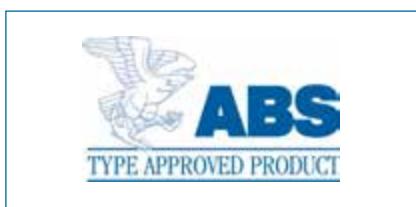
RINA Services



Korean Register



American Bureau of Shipping



Russian Maritime Register of Shipping



China Classification Society



Test results

Corrosion test

264 hours salt spray corrosion test.

Tested according to ASTM B117, DIN EN ISO 9227.

264 hours corrosion test

Results: after 264 hours (11 days) NO CORROSION



Fire test

Certified custom build fire test bench. Capable of testing under conditions up to 850°C and to a maximum of 24 bar pressure.



Vacuum test

Custom build vacuum test capable of testing up to a vacuum of 0,1 bar absolute pressure.



Youtube Channel

Check our UNI-Coupling Youtube Channel for testing video's / fitting instructions and more ...

Vibration test

Custom build vibration bench capable of testing diameters up to DN600 under 3 different frequencies and 3 different RPM's.



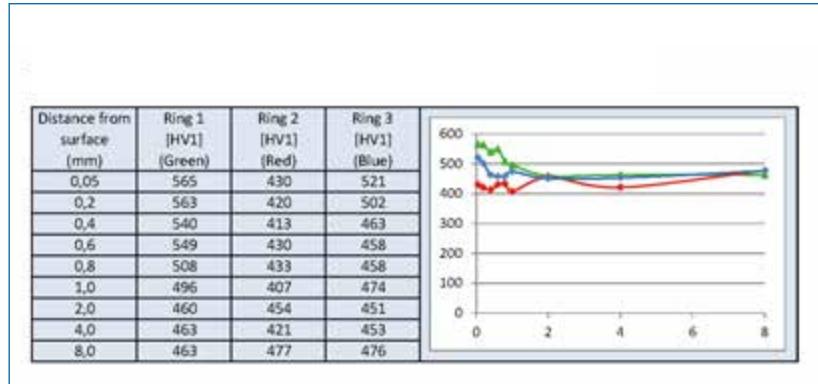
Gasket test

- Results: pressure on the seal
- No strip insert
- No corrosion



Anchoring test

- Results: hardening from: 1450 N/mm² (460 HV1) to 1850 N/mm² (565 HV1 = 53 HRC)
- Ring 1 = UNI-Coupling (green), ring 2 (red) and 3 (blue) = competitors



Tightness and burstpressure test

Custum build pressure bench capable of testing all diameters, pipe materials and pressure ratings.



Pullout test

Custum build pullout bench capable of testing diameters up to DN750 under maximum pullout force up to 50 tons.



Type overview

The UNI-Coupling is available in various types.

UNI-Grip

- To connect metal - metal
- For restraint jointing
- Patented wedge shaped seal
- 2 grip rings for metal pipes
- Stainless steel 1.4571 (W5) quality

UNI-Plastgrip

- To connect plastic - plastic
- For restraint jointing
- Patented wedge shaped seal
- 2 grip rings for plastic pipes
- Stainless steel 1.4571 (W5) quality

UNI-Combigrip

- To connect metal - plastic
- For restraint jointing
- Patented wedge shaped seal
- 1 grip ring for metal pipes
- 1 grip ring for plastic pipes
- Stainless steel 1.4571 (W5) quality

UNI-Flex

- To connect metal - plastic
- To connect metal - metal
- To connect plastic - plastic
- For flexible jointing
- Patented wedge shaped seal
- Stainless steel 1.4571 (W5) quality

UNI-Rep

- To connect metal - plastic
- To connect metal - metal
- To connect plastic - plastic
- For flexible jointing
- Patented wedge shaped seal
- Clamp mechanism for repairing under pressure
- Stainless steel W5 quality
- Stainless steel 1.4571 (W5) quality

UNI-Grip



UNI-Flex



UNI-Plastgrip / UNI-Combigrip



UNI-Rep



Technical data



Technical data overview

Typ	Ø (mm)	Width (mm)	Pressure (PN) 	Pressure (WP) 
 UNI-Grip	21 - 172	45 - 110	16	32 to 70
	185 - 745	138 - 146	2.5 to 16	6 to 25
 UNI-Plastgrip	39 - 172	60 - 110	10	16
	172 - 640	140 - 146	2.5 to 10	6 to 16
 UNI-Combigrip	39 - 172	60 - 110	10	16
	172 - 640	140 - 146	2.5 to 10	6 to 16
 UNI-Flex	19 - 172	45 - 110	16	25
	188 - 2090 Bigger on request	140 - 206 280 - 420	2,5 to 16	6 to 25
 UNI-Rep	33 - 172	45 - 110	16	25
	185 - 2090 Bigger on request	140 - 206 280 - 420	6 to 16	10 to 25

Wider range	OD (mm)	Number of couplers	Material quality	
UNI-Coupling	21 - 47,5 47,5 - 172	7 15	standard W5 standard W5	to 5 mm thickness to 5 mm thickness

Connecting	Metal - Metal	Plastic - Plastic	Metal - Plastic	Restrained / Flexible
UNI-Grip	X			restrained
UNI-Plastgrip		X		restrained
UNI-Combigrip			X	restrained
UNI-Flex	X	X	X	flexible
UNI-Rep	X	X	X	flexible

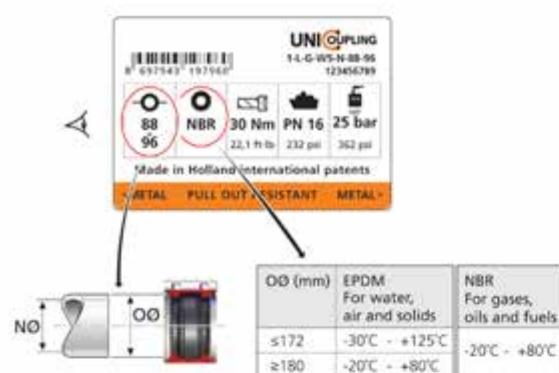
Sealing material	EPDM > 21 - 2090 mm	NBR	Silicone or Viton
Temperature range	-30 °C - +125 °C	-20 °C - +80 °C	on request
Medium	drinking water, wastewater, compressed air, alcohol and solids	water, gas, oil, fuel, and other hydrocarbons	on request

Quality	Housing	Lock bars	Bolts	Anchoring
W5	1.4571 / 316 Ti	1.4571 / 316 Ti	A4 – 80 / 316 Ti	1.4310 / 301

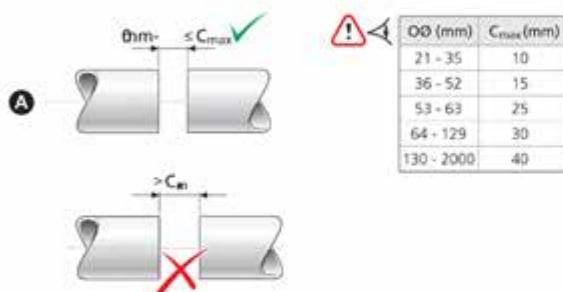
Installation Conditions

1. Installation conditions

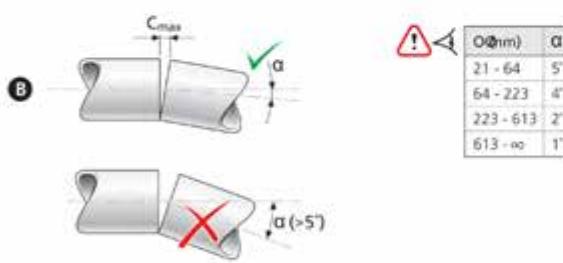
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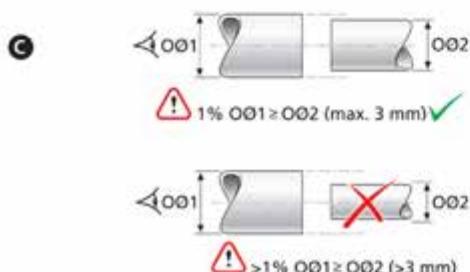
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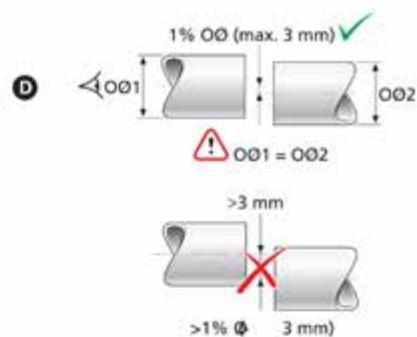
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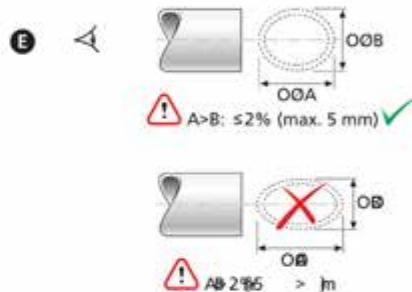
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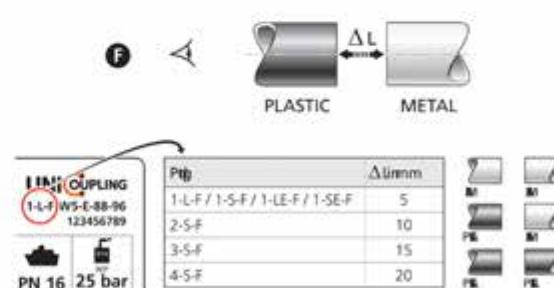
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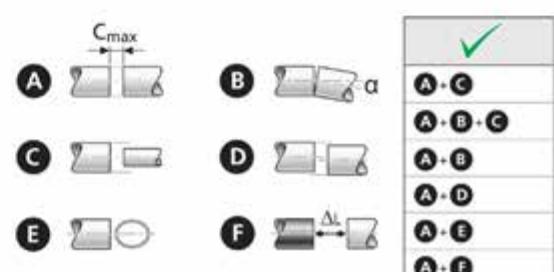
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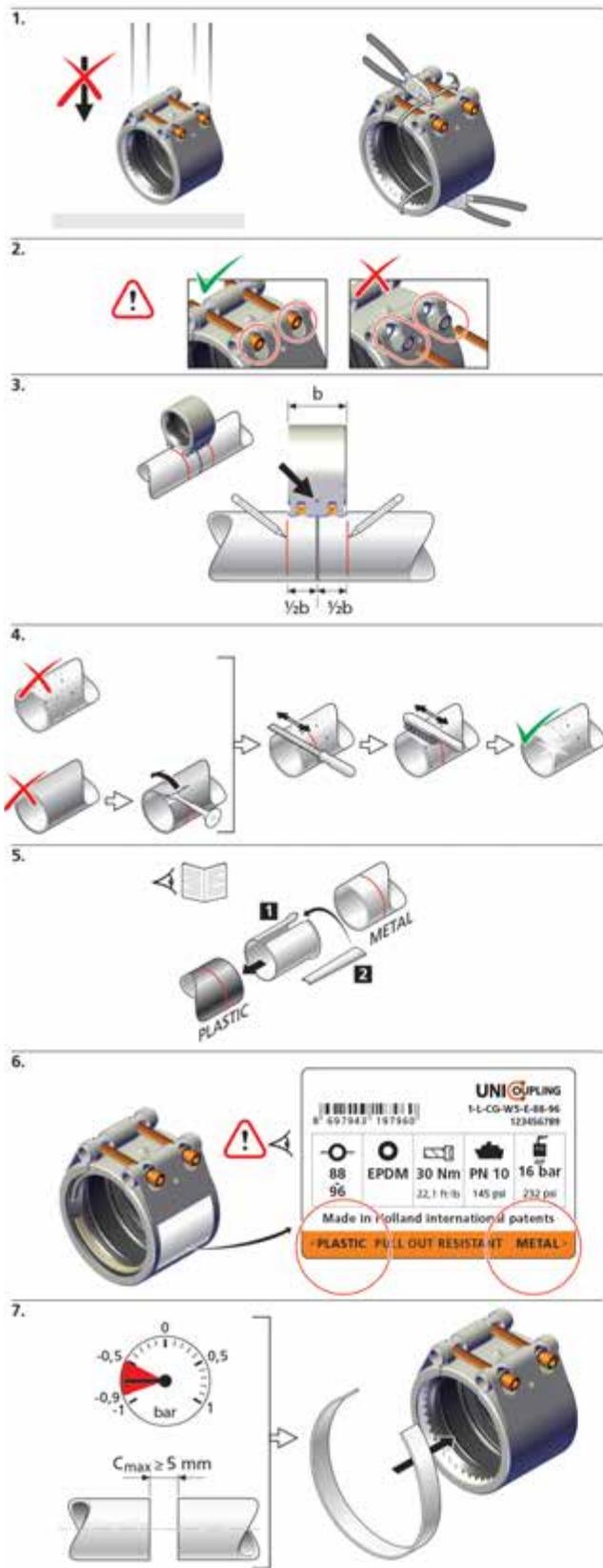
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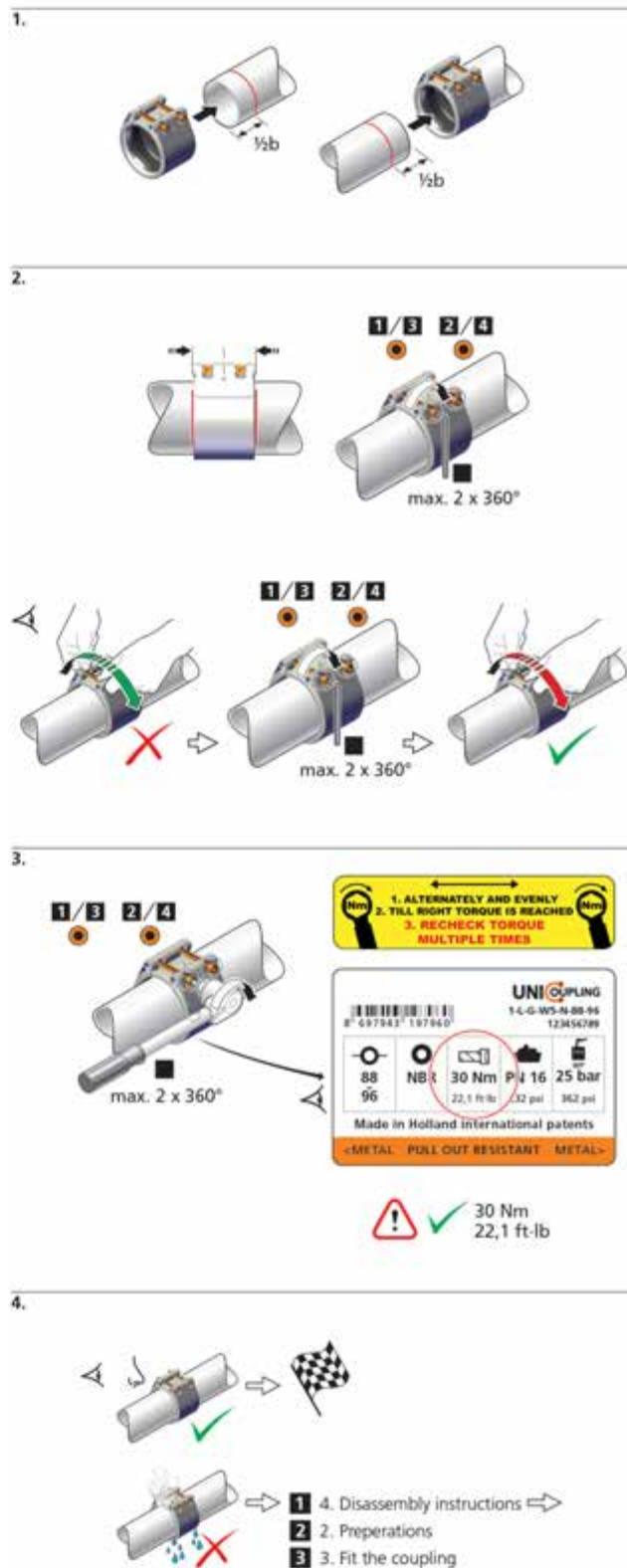
8.



2. Preparations

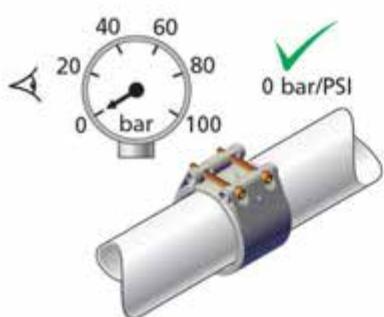


3. Fit the coupling

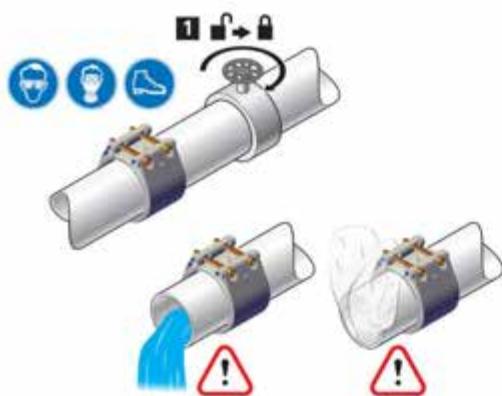


4. Disassembly instructions

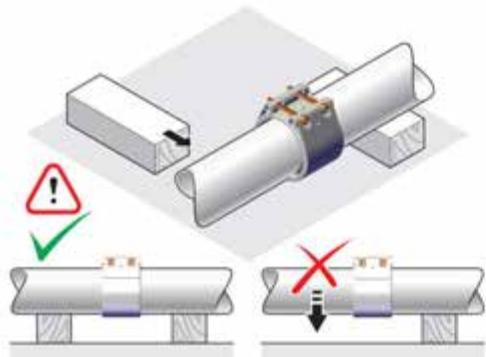
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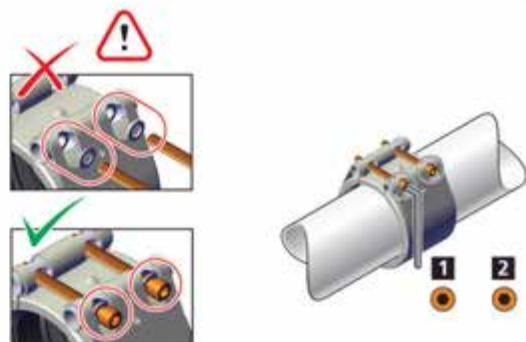
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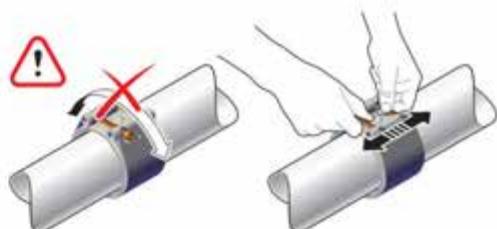
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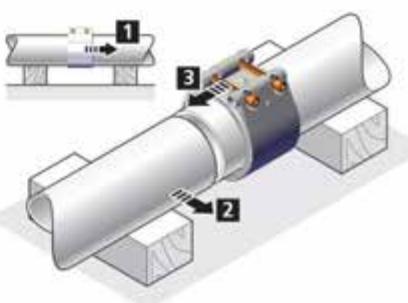
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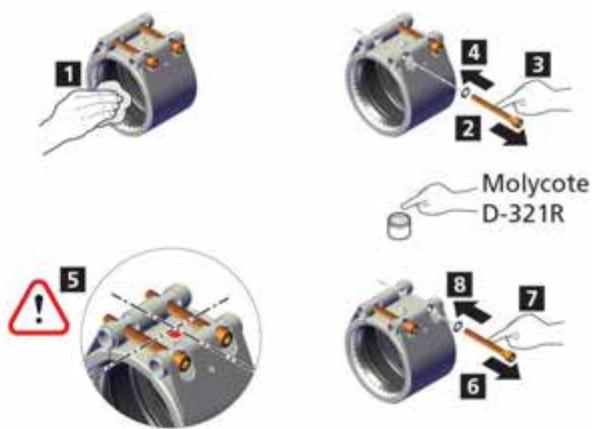
5.



6.



7.



Fitting Instructions UNI-Grip, UNI-Plastgrip, UNI-Combigrasp, Uni-Flex

1.



2.



3.



4.



5.



6.



7.



8.



Fitting Instructions UNI-Rep

1.



2.



3.



4.



5.



6.



7.



8.



Fitting Instructions Insert

Economy Insert

- Suitable for PE, PVC, PP and PB plastic pipes
- Stainless steel 1.4310 (W2) quality
- Insert without range
- Other dimensions on request
- Use insert stiffeners for installation on PE, PVC, PP or PB pipes

1.



2.



3.



Insert with wedge

- Suitable for PE, PVC, PP and PB plastic pipes
- Stainless steel 1.4310 (W2) quality
- Insert with range
- Other dimensions on request
- Use insert stiffeners for installation on PE, PVC, PP or PB pipes

1.



2.



3.



Fitting Instructions UNI-Fire



Accessories

Strip inserts

Strip inserts protect the sealing sleeve against mechanical or chemical damage in the pipe end area.

Strip inserts are required for:

- External pressure (e.g. underwater pipeline)
- Vacuum ≥ 0.5 bar A pressure (e.g. suction line)
- Swelling of the rubber caused by contact with chemicals

Subsequent installation of strip inserts for all types of couplings is possible. Strip insert are made of 316 Ti [1.4571] quality steel and capable of handling high temperature, vacuum and external pressure.

Strip insert



Strip inserts are only required for above mentioned application

Fitting plier / fitting belt

Fitting plier / fitting belt

For convenient assembly of UNI-Rep couplings we recommend using a fitting plier. The plier uses the bores in the housing to close the coupling which enables you to manually tighten the bolts. For bigger diameters (>300 mm) use a fitting belt.

Torque wrench

Always assemble UNI-Couplings with a torque wrench. The correct torque is indicated on the housing of each UNI-Coupling. In using a torque wrench you ensure that the UNI-Coupling is not overstressed.

Fitting plier



Torque wrench



Dimensions

and minimal wall thickness at nominal pressure PN

Pipe Ø		Nominal Ø		Minimum Pipe wall thickness		
Metric (mm)	Ips (inch)	Metric (dn)	Ips (nom)	Stainless steel tube	CuNi10Fe (DIN)	CuNi10Mn1Fe (ISO)
UNI-Grip (mm)	UNI-Grip (mm)					
26,9	1.050	20	¾	1.5	1.5	
30,0	1.180	25	1.2	1.5	1.5	
33,7	1.325	25	1	1.5	2.0	
38,0	1.495	32	1.5	1.5	2.0	
42,4	1.670	32	1 ¼	1.5	2.0	
44,5	1.750	40	1.75	1.5	2.0	
48,3	1.900	40	1 ½	1.5	2.0	
54,0	2.125	50	2.125	1.5	2.0	
57,0	2.245	50	2.25	1.5	2.0	
60,3	2.375	50	2	1.5	2.0	
66,6	2.625	65	2 ½	2.0	2.0	
70,0	2.756	65	2 ½	2.0	2.0	
73,0	2.875	65	2 ½	2.0	2.0	
76,1	(3.000)	65		2.0	2.0	
79,5	3.125	65	3	2.0	2.0	
84,0	3.305	80	3.3	2.0	2.0	
88,9	3.500	80	3	2.0	2.0	
100,6	3.960	80	(3)	2.0	2.3	
101,6	(4.000)	90	(3 ½)	2.0	2.3	
104,0	4.095	100	4.1	2.0	2.3	
104,8	4.125	100	(4)	2.0	2.3	
108,0	4.250	100	4 ¼	2.0	2.3	
114,3	4.500	100	4	2.0	2.3	
127,0	5.000	100	4 ½	2.6	3.0	
129,0	5.080	125	5	2.6	3.0	
130,2	5.125	125	(5)	2.6	3.0	
⁸ 131,0				3.0		
133,0	5.235	125	5 ¼	2.6	3.0	
139,7	(5.500)	125	(5 ½)	2.6	3.0	
141,3	5.565	125	5	2.6	3.0	
154,0	6.065	150	6.1	2.6	3.0	
⁸ 155,0				2,5		
159,0	6.260	150	6 ¼	2.6	3.0	
168,3	6.625	150	6	2.6	3.5	
193,7	7.625	200	7.6	3.0	3.5	
⁸ 206,0				3.0		
219,1	8.625	200	8	3.0	3.5	
244,5	9.625	225	9	on request	4.5	
⁸ 256,0				on request		
267,0	10.510	250	10.5	on request	4.5	
273,0	10.750	250	10	on request	5.0	
⁸ 306,0				on request		
323,9	12.750	300	12	on request	5.5	
355,6	14.000	350	14	on request	6.0	
406,4	16.000	400	16	on request	8.0	
457,2	18.000	450	18	on request	9.0	
508,0	20.000	500	20	on request	10.0	
558,8	22.000	550	22	on request	10.0	
609,6	24.000	600	24	on request	12.0	

Thinner walls are possible at lower pressures; please contact your local dealer.
⁸ Standard pipe dimension for stainless steel (outer diameter related to the wall thickness)

Installation time

and dimension comparison, metric/inch

The installation time includes:

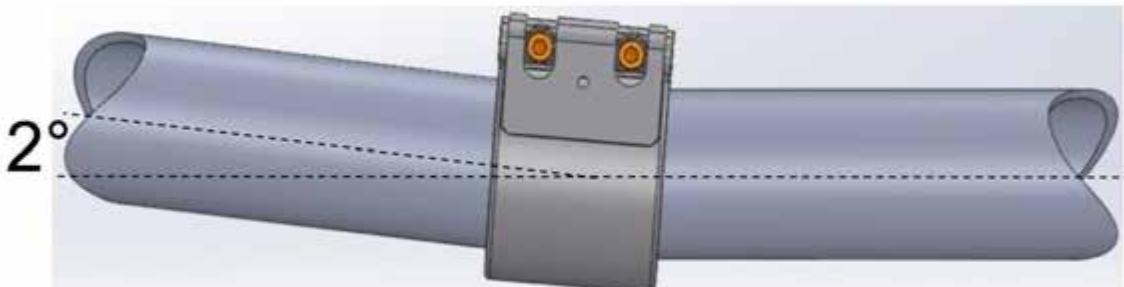
- Marking of half the coupling width on both pipe ends
- Fitting the coupling over pipe ends and correct alignment
- Tightening the bolts with a torque wrench

Pipe Ø	Nominal Ø	Installation time per coupling (min)		
Metric (mm)	Ips (inch)	Metric (dn)	Ips (nom)	
26,9	1.050	20	3/4	2
30	1.180	25	1.2	2
33,7	1.325	25	1	2
38	1.495	32	1.5	2
42,4	1.670	32	1 1/4	2
44,5	1.750	40	1.75	2
48,3	1.900	40	1 1/2	2
54	2.125	50	2.125	3
57	2.245	50	2.25	3
60,3	2.375	50	2	3
66,6	2.625	65	2 1/2	4
73	2.875	65	2 1/2	4
76,1	(3.000)	65	3	4
79,5	3.125	65	3	4
84	3.305	80	3.3	4
88,9	3.500	80	3	4
100,6	3.960	80	(3)	5
101,6	(4.000)	90	(3 1/2)	5
104	4.095	100	4.1	5
104,8	4.125	100	(4)	5
108	4.250	100	4 1/4	5
114,3	4.500	100	4	5
127	5.000	100	4 1/2	6
129	5.080	125	5	6
130,2	5.125	125	(5)	6
133	5.235	125	5 1/4	6
139,7	(5.500)	125	(5 1/2)	6
141,3	5.565	125	5	6
154	6.065	150	6.1	7
159	6.260	150	6 1/4	7
168,3	6.625	150	6	7
219,1	8.625	200	8	9
244,5	9.625	225	9	10
267	10.510	250	10.5	10
273	10.750	250	10	10
323,9	12.750	300	12	12
355,6	14.000	350	14	12
406,4	16.000	400	16	12
457,2	18.000	450	18	12
508	20.000	500	20	12
558,8	22.000	550	22	12
609,6	24.000	600	24	12

Notes

Angular deflection

UNI-Couplings cover angular deflection of pipes up to 2° (4°) in any direction.

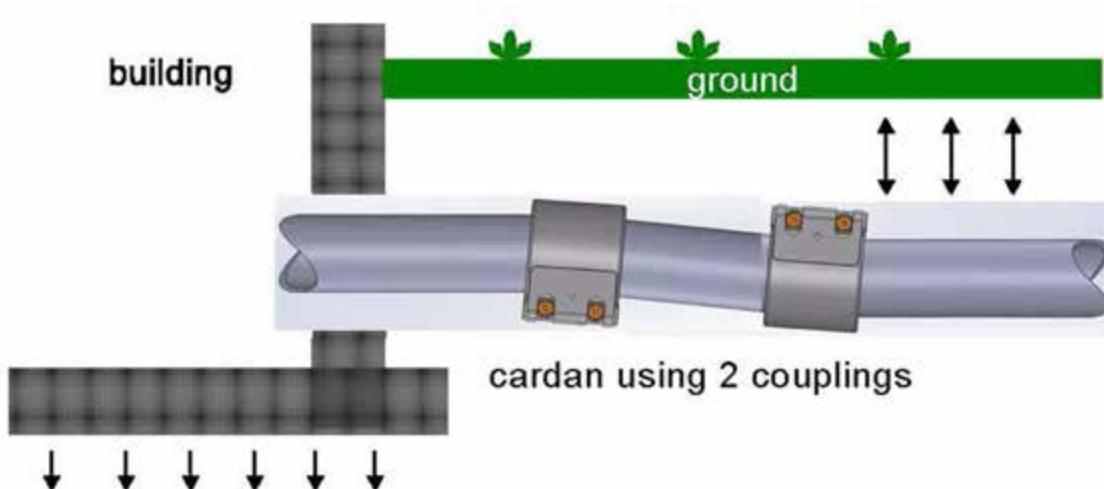


The 2° angular deflection corresponds to 35 mm per meter of pipe length.

The installation is very easy and there is no need for costly pipe alignment.

It is possible to fit the pipe with angular deflection and to use the joint for dynamic angular movement under working conditions after installing the pipe system.

Example: Ground settling



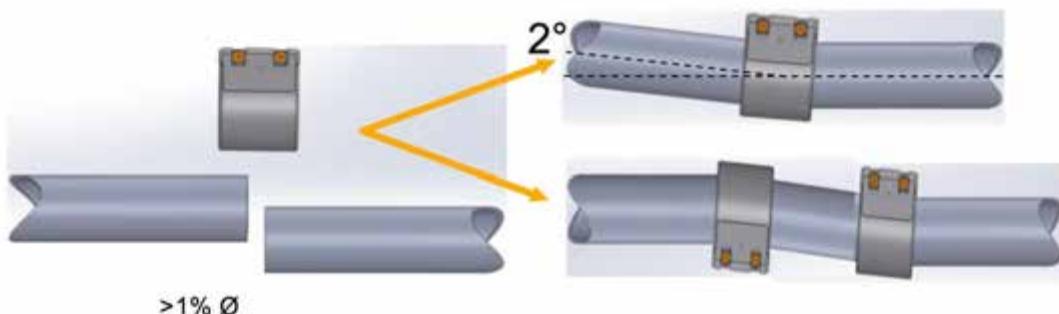
Note: Pipe end gap C max must always be kept.

Axial misalignment

UNI-Couplings generally allow misalignment of the pipe axis. However, we recommend avoiding misalignment wherever possible or absorbing it either with an angularity of max 2° or by using an intermediate piece.

Since "zero misalignment" is hard to realize, a minimal misalignment is tolerated. The following rule serves to explain the limits of what is tolerable, with the aim of keeping axial misalignment as small as possible.

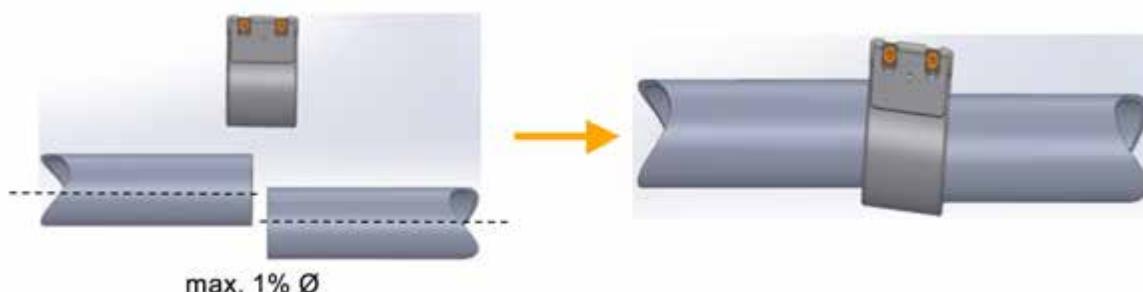
'For fixed pipe ends, a misalignment of up to 1% (max. 3 mm) of corresponding pipe OD can be tolerated without any restrictions. It does not affect the correct fitting of the UNI-Coupling'.



Where the pipeline guides are sufficiently spaced from the pipe end, the butt ends can be rectified by hand with low force, approx. 500N. The remaining axial misalignment after tightening the lock bolts is minimal. For such an application a larger misalignment prior to connecting can be permitted, keeping the following rule in mind:

A misalignment of up to 1% in the fitted position has no negative influence on the function of UNI-Flex and UNI-Rep pipe couplings and is therefore tolerable up to pipe OD of 300 mm.

Under such conditions a slight sloping of the coupling on the pipe ends has to be expected.



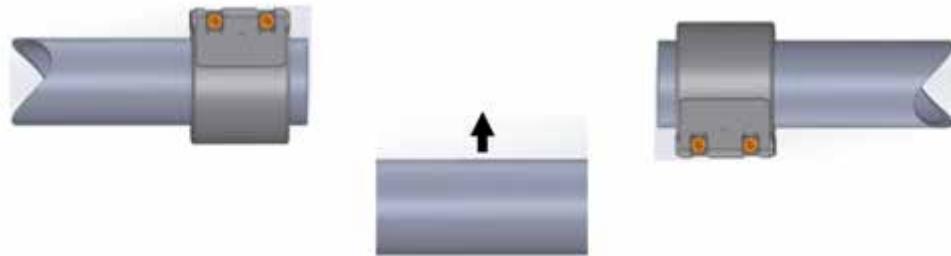
Retrofitting pipe sections and fittings

Thanks to their large clearance and allowable fitting gap as well as the wide tolerance range, UNI-Couplings are predestined as an ideal construction element for retrofitting pipe sections and fittings during repair work or for changes in the pipeline direction.

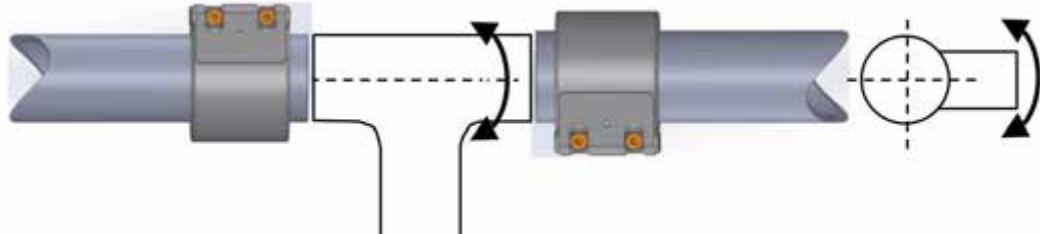


UNI-Coupling pipe couplings do not absorb bending or torsion forces. Pressure lines must be supported, anchored and guided.

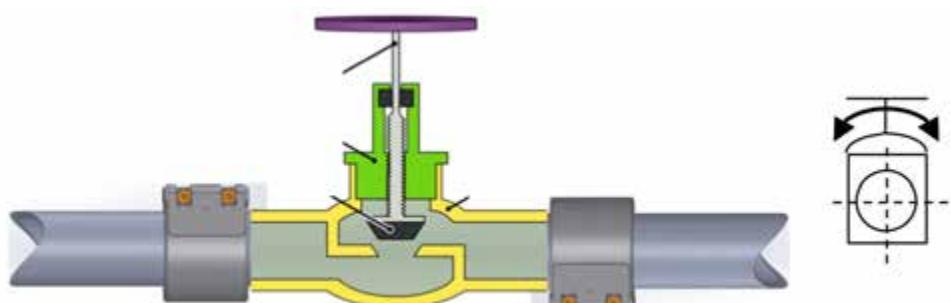
Pipe section for existing or new pipelines



Fitting (T), position and direction of the branch are freely selectable



Valve with plain ends, rotatable to any position



Axial movement/change in length

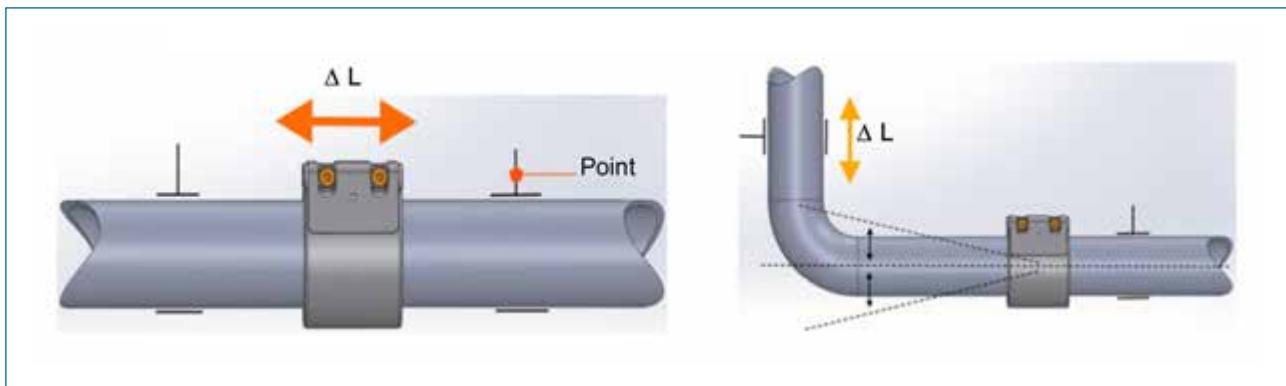
Temperature changes in pipeline systems cause axial movement and tensile or pressure stress, which must be compensated by adequate countermeasures.



UNI-Coupling pipe couplings do not absorb bending or torsion forces. Pressure lines must be supported, anchored and guided.

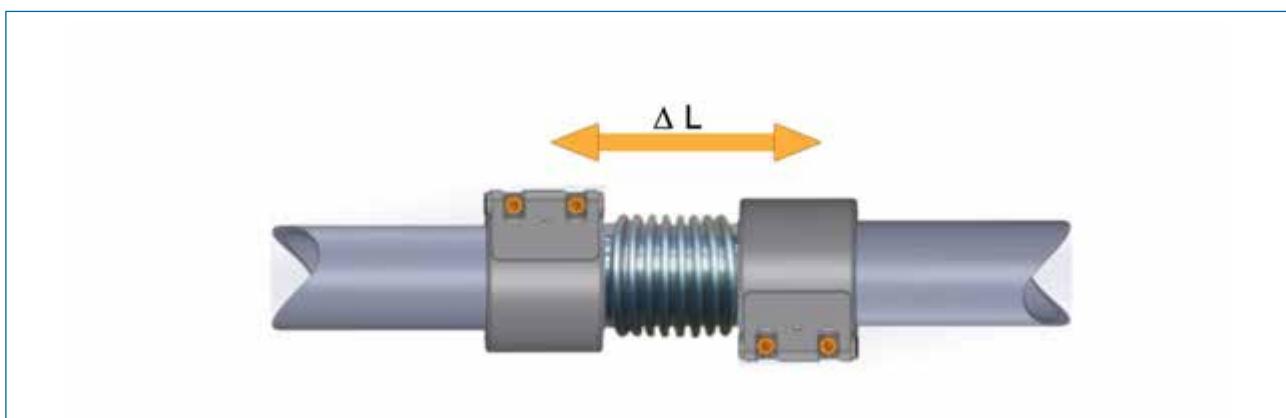
UNI-Flex and UNI-Rep pipe couplings are able to compensate axial movement of straight pipe sections, up to 20 mm depending on the size of coupling.

- compensation of axial movement
- no abrasion on the sealing sleeve
- escaping space for rubber expansion under temperature
- stress-free pipeline without additional means (see below)



Note: Pipe end gap C max. must always be kept.

Larger axial movements need compensation, such as traditional compensators



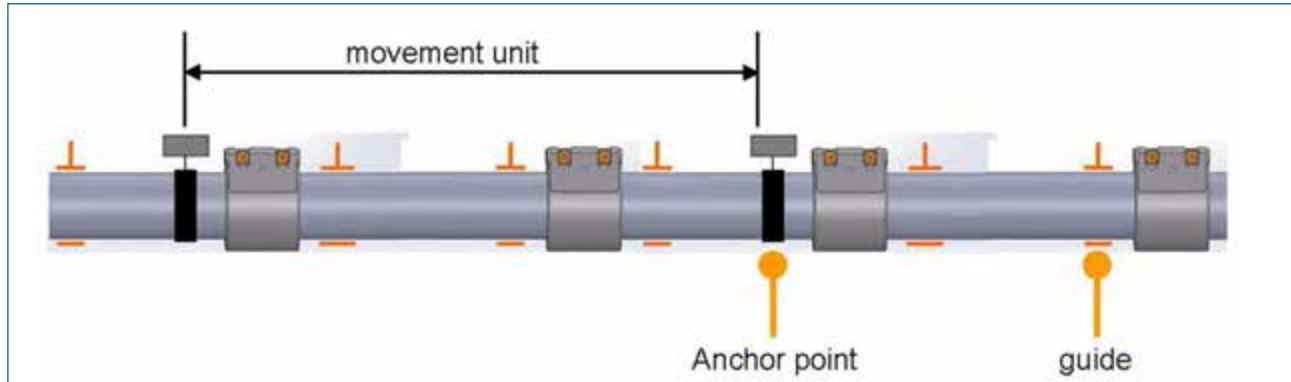
Anchor points and guides with axial movement

Clever fastening of pipe sections which are exposed to axial movement due to temperature influences can be divided into 'movement units' and joined very economically with UNI-Flex and UNI-Rep pipe couplings as compensators.

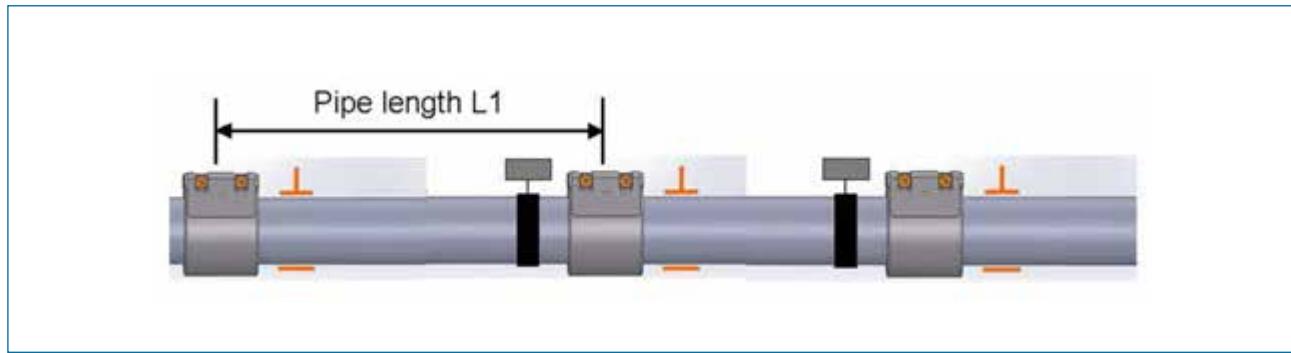


UNI-Coupling pipe couplings do not absorb bending or torsion forces. Pressure lines must be supported, anchored and guided.

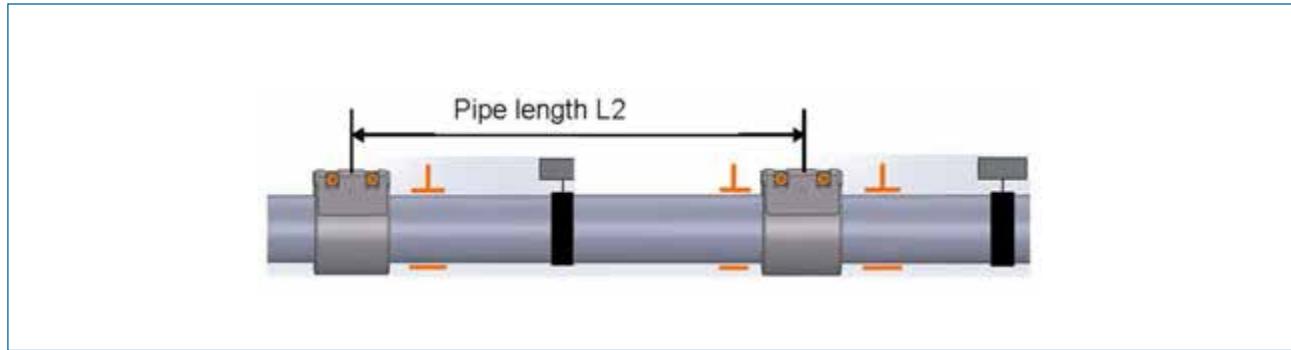
The distance between 2 anchor points forms a movement unit.



The movement between the 2 anchor points may not exceed the permissible value given for one joint.

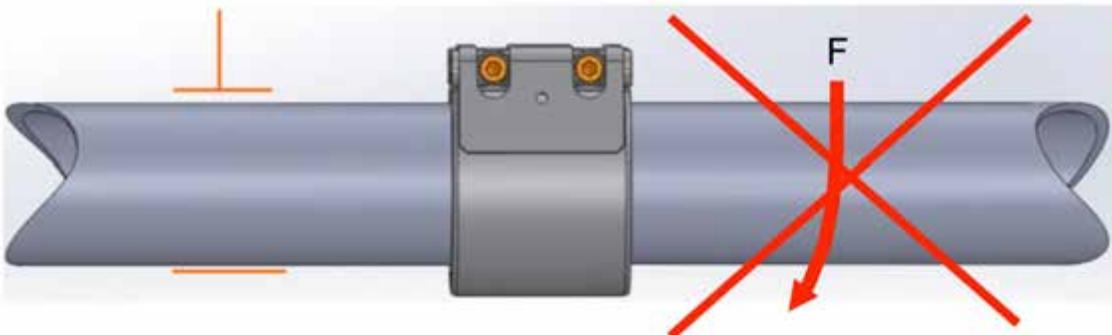


Depending on the value of axial movement, every second anchor point can be replaced with a guide.



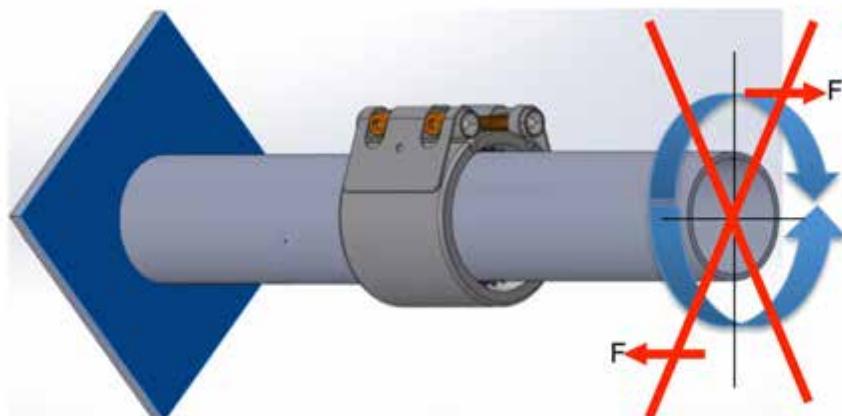
Bending/torsion

Bending



UNI-Coupling pipe couplings do not absorb bending or torsion forces. Pressure lines must be supported, anchored and guided.

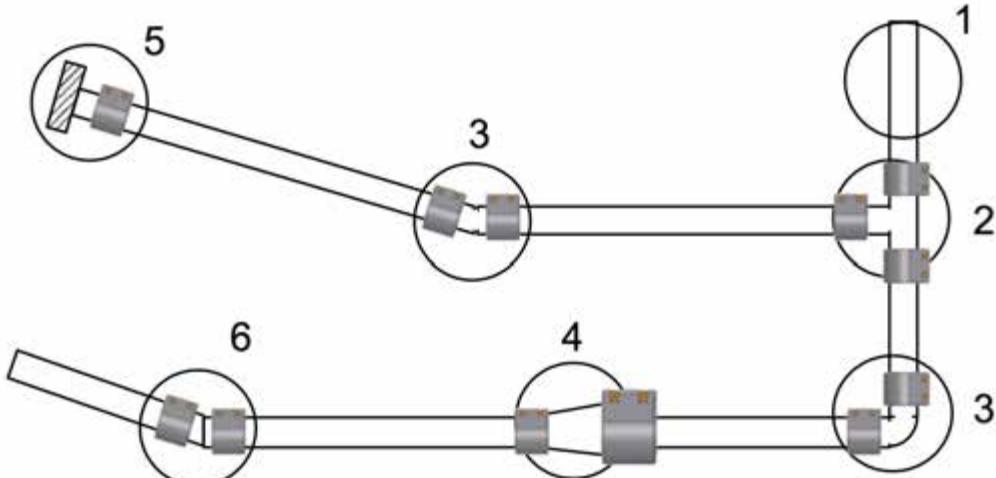
Torsion



Underground pipelines



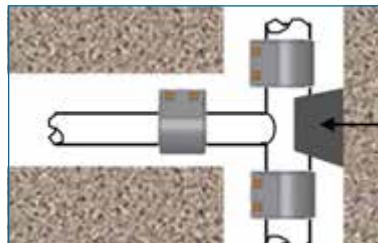
UNI-Coupling pipe couplings do not absorb axial forces. Structural measures for buried pipelines are required in order to absorb axial forces (e.g. lean concrete abutment)



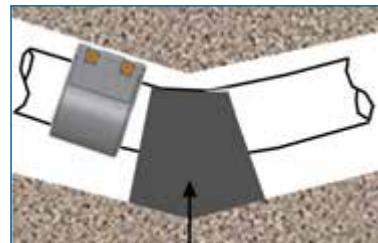
1 Sufficient back fill weight to prevent side thrust or buckling



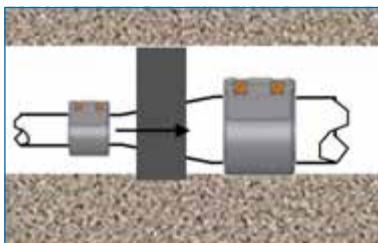
2 Tees (e.g. concrete thrust blocks)



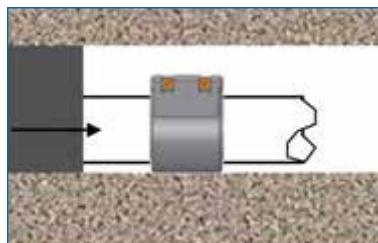
3 Bends direction changes



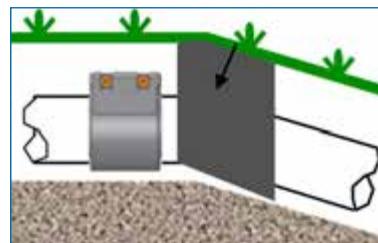
4 OD reductions



5 Blank ends



6 Inclination changes



The arrows indicate the counterforce of the abutment.

Freely installed pipelines

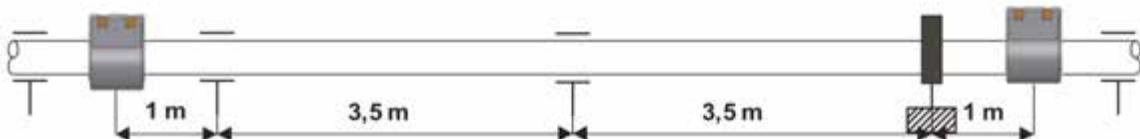


UNI-Coupling pipe couplings do not absorb axial forces.

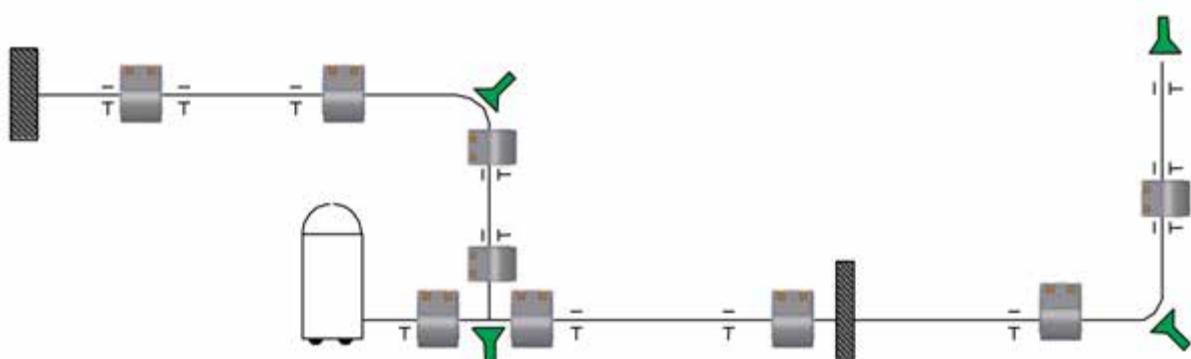
Important: Pressure lines must be supported, anchored and guided. Depending on the installation situation, supports have to be changed to anchor points.

Guideline: One anchor point and at least one guide point per pipe section!

Structural measures for freely installed pipelines – example for a 9-meter pipe length



Application example



Installation of vertical pipelines

UNI-Grip pipe couplings are the ideal joints to keep plain-ended metal pipe sections in vertical installations perfectly tight and axially restrained.

In the extreme case of a vertical, free-hanging pump pressure mains, the forces arising for each coupling are calculated based on the following values:

- weight of pipe sections
- weight of couplings (joints)
- weight of pump
- weight of water column in pipes
- force factor resulting from internal pressure and possible pressure surges

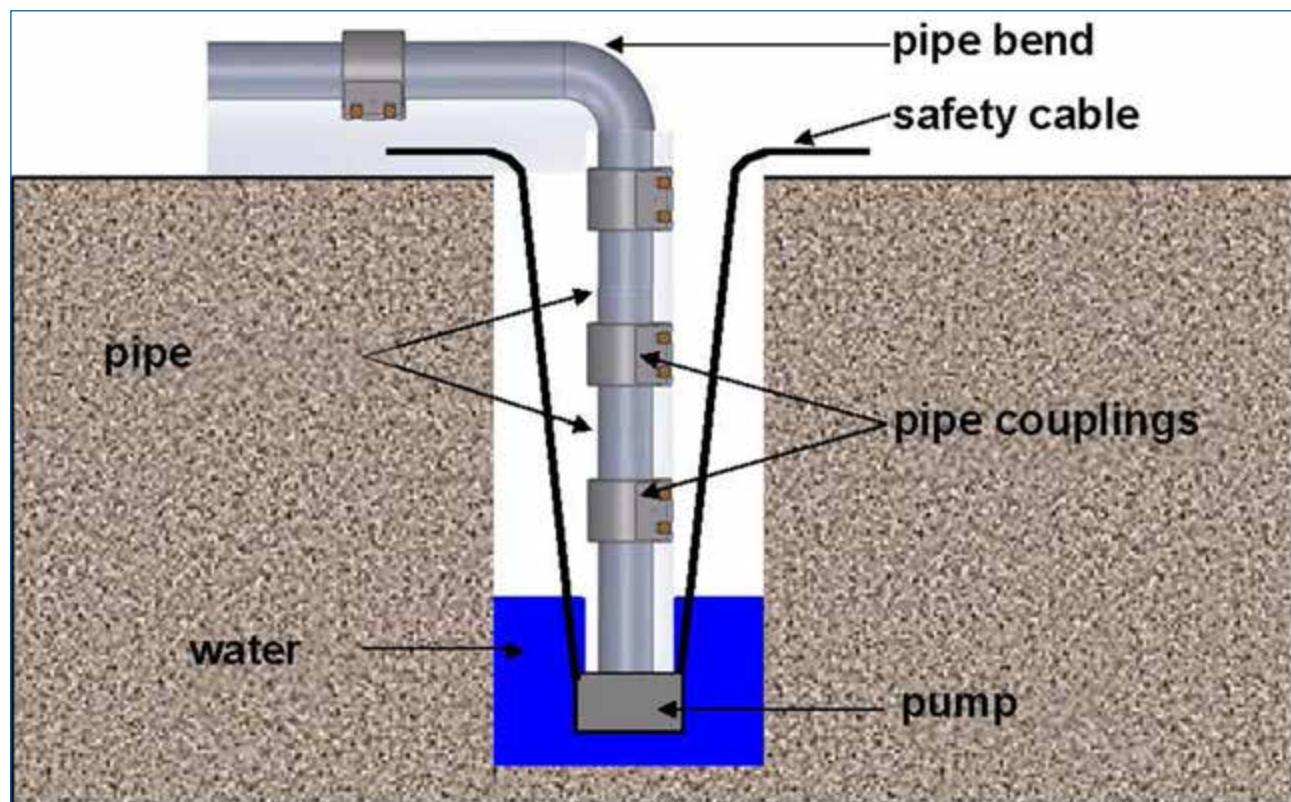
UNI-Grip, UNI-Combigrasp and UNI-Plastgrip pipe couplings deliver sufficient resistance against torsion, resulting from switching the pump on or off. (Please consult pump manufacturer for details.)

Application examples:

- drilling hole pump lines
- fresh water pump lines
- heat pumps
- shaft pipelines
- charge and discharge systems of silos, tanks and containers



Note: The application of UNI-Combigrasp and UNI-Plastgrip couplings for installation of vertical pipelines is not recommended.



Electrical conductivity UNI-Flex/UNI-Rep

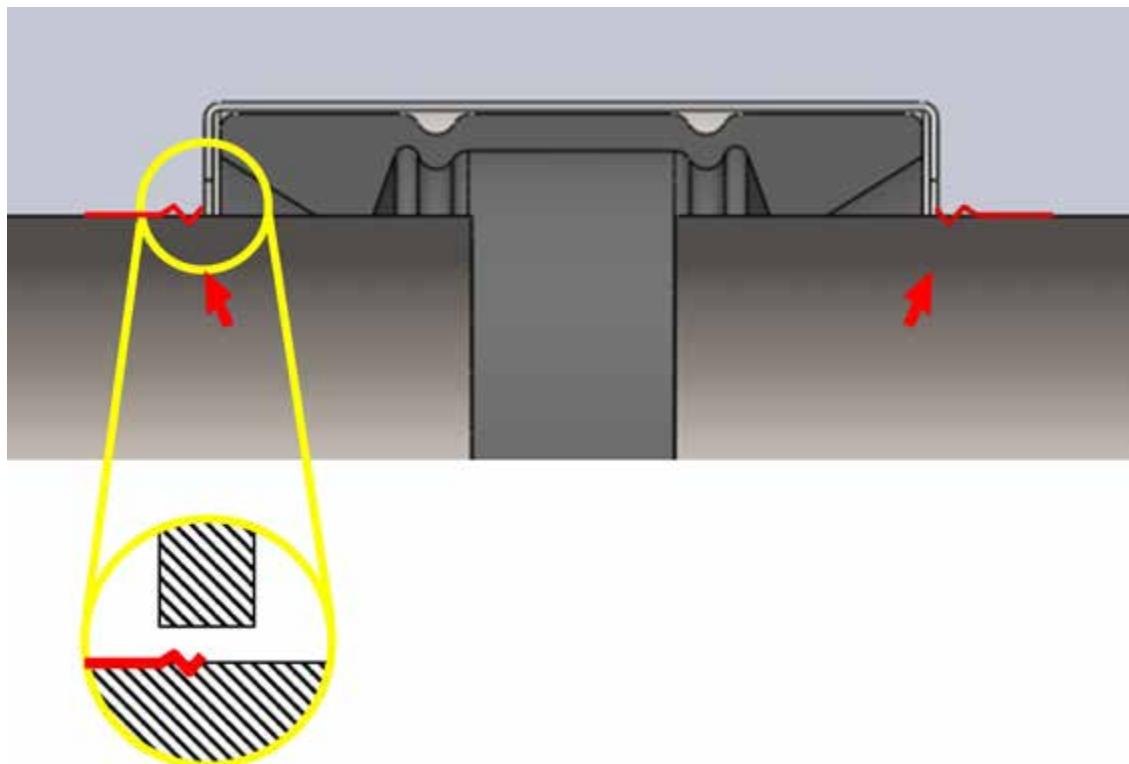


UNI-Flex and UNI-Rep pipe couplings do NOT provide electrical conductivity from pipe to pipe.

However, they should not be used as 'insulation'. Even under prescribed installation conditions, an electrical contact between the housing of the coupling or the strip insert and the pipe surface can occur.

If electrical conductivity is required, it can be achieved by bridging over the coupling from pipe to pipe with an earth strap.

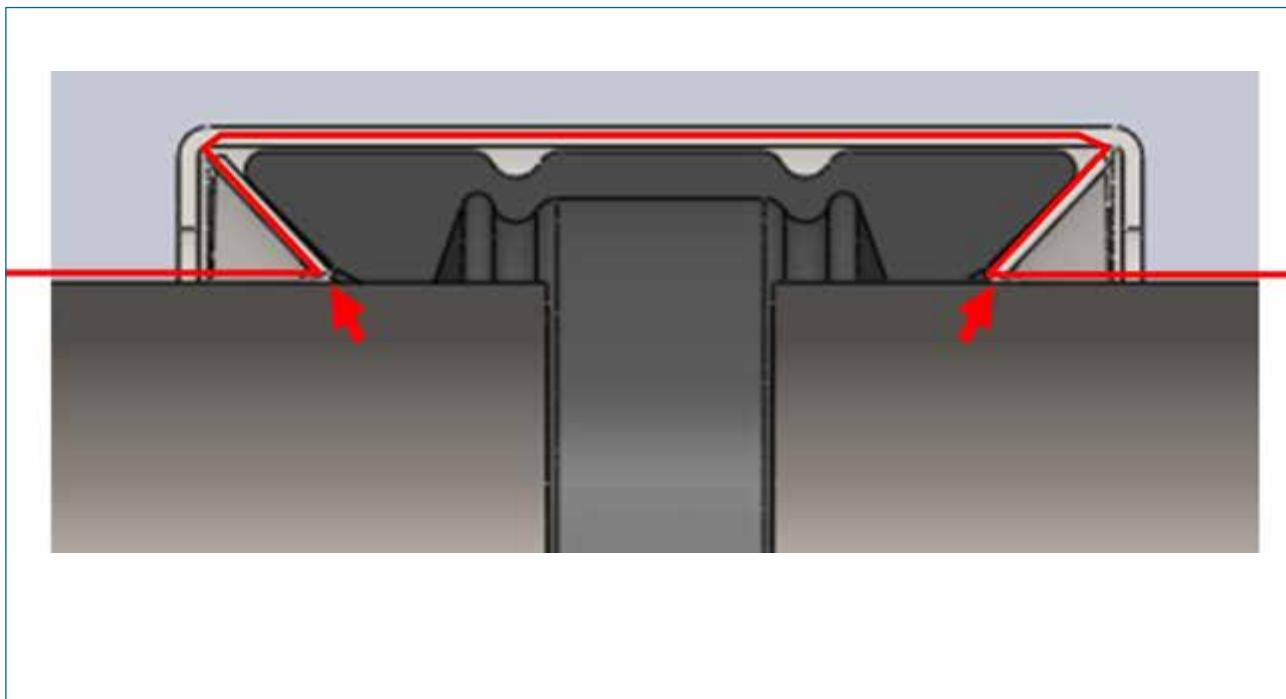
Should it be necessary to prevent electrical conductivity of the pipe joint, electrical insulation of the pipeline elements can be achieved by coupling-in a section of plastic pipe, measuring one meter in length.



Electrical conductivity UNI-Grip

UNI-Grip pipe couplings guarantee electrical conductivity for metal-to-metal piping by bridging over from pipe to pipe through the metallic anchoring mechanism.

Measurements have proven a sufficiently low electrical transition resistance of UNI-Grip pipe couplings.



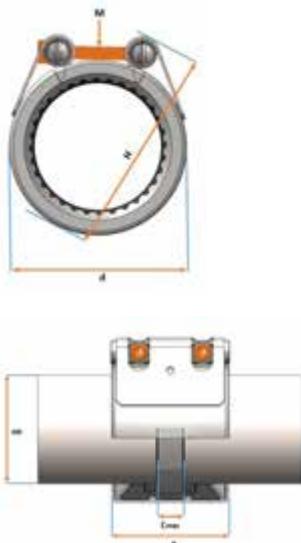
Electrical conductivity is ensured thanks to the anchoring rings gripping into the pure metallic surface of the pipe.



Note: Because of the use of plastic pipes, there is no electrical conductivity with UNI-Combigrasp and UNI-Plastgrip pipe couplings.

Product-range



UNI-Grip L PN16**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
21.0 - 24.0	779 724 001	0	0.2	779 721 001
25.0 - 29.0	779 724 002	0	0.2	779 721 002
29.0 - 32.0	779 724 003	0	0.2	779 721 003
33.0 - 36.0	779 724 004	0	0.2	779 721 004
36.0 - 39.0	779 724 005	0	0.4	779 721 005
39.0 - 43.0	779 724 006	0	0.4	779 721 006
43.0 - 47.5	779 724 007	0	0.4	779 721 007
47.5 - 52.5	779 724 008	0	0.4	779 721 008
52.5 - 58.0	779 724 009	0	0.6	779 721 009
58.0 - 64.0	779 724 010	0	0.6	779 721 010
64.0 - 72.0	779 724 011	0	1.4	779 721 011
72.0 - 80.0	779 724 012	0	1.4	779 721 012
80.0 - 88.0	779 724 013	0	1.6	779 721 013
88.0 - 96.0	779 724 014	0	1.6	779 721 014
97.0 - 105.0	779 724 015	0	1.7	779 721 015
104.0 - 112.0	779 724 016	0	1.7	779 721 016
112.0 - 120.0	779 724 017	0	1.9	779 721 017
122.0 - 130.0	779 724 018	0	1.9	779 721 018
129.0 - 137.0	779 724 019	0	3.4	779 721 019
137.0 - 145.0	779 724 020	0	3.5	779 721 020
149.0 - 157.0	779 724 021	0	3.6	779 721 021
157.0 - 165.0	779 724 022	0	3.7	779 721 022
164.0 - 172.0	779 724 023	0	3.8	779 721 023

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
21.0 - 24.0	M6	16	70	10	21.0	24.0	46	45	76	7
25.0 - 29.0	M6	16	70	10	25.0	29.0	46	45	76	7
29.0 - 32.0	M6	16	70	10	29.0	32.0	54	45	84	7
33.0 - 36.0	M6	16	70	10	33.0	36.0	54	45	84	7
36.0 - 39.0	M8	16	60	15	36.0	39.0	66	60	104	25
39.0 - 43.0	M8	16	50	15	39.0	43.0	66	60	104	25
43.0 - 47.5	M8	16	50	15	43.0	47.5	74	60	112	25
47.5 - 52.5	M8	16	50	15	47.5	52.5	74	60	112	25
52.5 - 58.0	M8	16	50	25	52.5	58.0	85	75	125	25
58.0 - 64.0	M8	16	40	25	58.0	64.0	85	75	125	25
64.0 - 72.0	M10	16	40	30	64.0	72.0	108	95	164	40
72.0 - 80.0	M10	16	40	30	72.0	80.0	108	95	164	40
80.0 - 88.0	M10	16	35	30	80.0	88.0	124	95	170	40
88.0 - 96.0	M10	16	35	30	88.0	96.0	124	95	170	40
97.0 - 105.0	M10	16	35	30	97.0	105.0	141	95	187	40
104.0 - 112.0	M10	16	35	30	104.0	112.0	141	95	187	40
112.0 - 120.0	M10	16	35	30	112.0	120.0	158	95	202	40
122.0 - 130.0	M10	16	32	30	122.0	130.0	158	95	202	40
129.0 - 137.0	M12	16	32	40	129.0	137.0	178	110	230	65
137.0 - 145.0	M12	16	32	40	137.0	145.0	186	110	238	65
149.0 - 157.0	M12	16	32	40	149.0	157.0	197	110	249	65
157.0 - 165.0	M12	16	32	40	157.0	165.0	205	110	255	65
164.0 - 172.0	M12	16	32	40	164.0	172.0	212	110	262	65

UNI-Grip LE PN10**Model:**

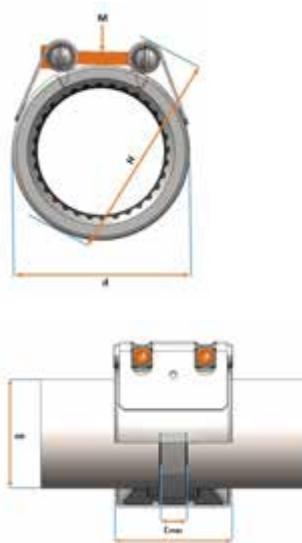
- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

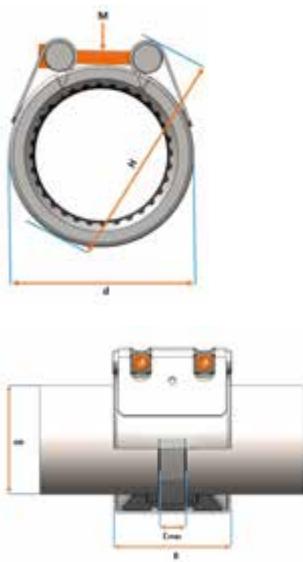
Option:

- Sealing type Viton on request



OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
64 - 72	779 724 411	0	1.0	779 721 411
72 - 80	779 724 412	0	1.0	779 721 412
80 - 88	779 724 413	0	1.0	779 721 413
88 - 96	779 724 414	0	1.0	779 721 414
97 - 105	779 724 415	0	1.1	779 721 415
104 - 112	779 724 416	0	1.1	779 721 416
112 - 120	779 724 417	0	1.2	779 721 417
122 - 130	779 724 418	0	1.2	779 721 418
129 - 137	779 724 419	0	2.1	779 721 419
137 - 145	779 724 420	0	2.2	779 721 420
149 - 157	779 724 421	0	2.3	779 721 421
157 - 165	779 724 422	0	2.3	779 721 422
164 - 172	779 724 423	0	2.4	779 721 423

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
64 - 72	M10	10	16	30	64	72	108	95	164	40
72 - 80	M10	10	16	30	72	80	108	95	164	40
80 - 88	M10	10	16	30	80	88	124	95	170	40
88 - 96	M10	10	16	30	88	96	124	95	170	40
97 - 105	M10	10	16	30	97	105	141	95	187	40
104 - 112	M10	10	16	30	104	112	141	95	187	40
112 - 120	M10	10	16	30	112	120	158	95	202	40
122 - 130	M10	10	16	30	122	130	158	95	202	40
129 - 137	M12	10	16	40	129	137	178	110	230	65
137 - 145	M12	10	16	40	137	145	186	110	238	65
149 - 157	M12	10	16	40	149	157	197	110	249	65
157 - 165	M12	10	16	40	157	165	205	110	255	65
164 - 172	M12	10	16	40	164	172	212	110	262	65

UNI-Grip S PN16**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

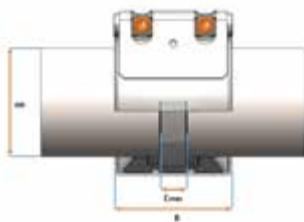
*Restricted working conditions for CuNiFe tubes with a wall thickness ≤ to 4 mm. For pipe dimensions with an asterix, these may only be loaded with max PN 2,5.

OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
21.0 - 24.0	779 764 001	0	0.2	779 762 001
25.0 - 29.0	779 764 002	0	0.2	779 762 002
29.0 - 32.0	779 764 003	0	0.2	779 762 003
33.0 - 36.0	779 764 004	0	0.2	779 762 004
36.0 - 39.0	779 764 005	0	0.4	779 762 005
39.0 - 43.0	779 764 006	0	0.4	779 762 006
43.0 - 47.5	779 764 007	0	0.4	779 762 007
47.5 - 52.5	779 764 008	0	0.4	779 762 008
52.5 - 58.0	779 764 009	0	0.6	779 762 009
58.0 - 64.0	779 764 010	0	0.6	779 762 010
64.0 - 72.0	779 764 011	0	1.4	779 762 011
72.0 - 80.0	779 764 012	0	1.4	779 762 012
80.0 - 88.0	779 764 013	0	1.6	779 762 013
88.0 - 96.0	779 764 014	0	1.6	779 762 014
97.0 - 105.0	779 764 015	0	1.7	779 762 015
104.0 - 112.0	779 764 016	0	1.7	779 762 016
112.0 - 120.0	779 764 017	0	1.9	779 762 017
122.0 - 130.0	779 764 018	0	1.9	779 762 018
129.0 - 137.0	779 764 019	0	3.4	779 762 019
137.0 - 145.0	779 764 020	0	3.5	779 762 020
149.0 - 157.0	779 764 021	0	3.6	779 762 021
157.0 - 165.0	779 764 022	0	3.7	779 762 022
164.0 - 172.0	779 764 023	0	3.8	779 762 023
185.0 - 198.0	779 764 024	0	6.5	779 762 024
198.0 - 211.0	779 764 025	0	6.7	779 762 025
210.0 - 223.0	779 764 026	0	9.2	779 762 026
221.0 - 234.0	779 764 027	0	9.5	779 762 027
234.0 - 247.0	779 764 028	0	9.8	779 762 028
247.0 - 260.0	779 764 029	0	10.1	779 762 029
*	779 764 030	0	10.5	779 762 030
277.0 - 290.0	779 764 031	0	10.9	779 762 031

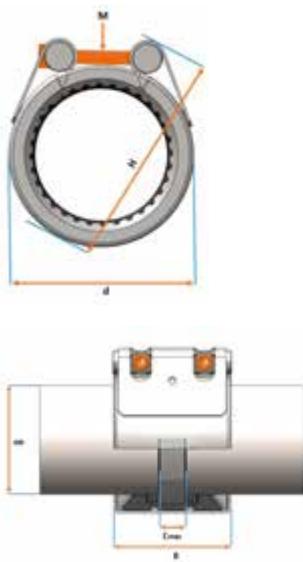
OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
21.0 - 24.0	M6	16	70	10	21.0	24.0	46	45	76	7
25.0 - 29.0	M6	16	70	10	25.0	29.0	46	45	76	7
29.0 - 32.0	M6	16	70	10	29.0	32.0	54	45	84	7
33.0 - 36.0	M6	16	70	10	33.0	36.0	54	45	84	7
36.0 - 39.0	M8	16	60	15	36.0	39.0	66	60	104	25
39.0 - 43.0	M8	16	50	15	39.0	43.0	66	60	104	25
43.0 - 47.5	M8	16	50	15	43.0	47.5	74	60	112	25
47.5 - 52.5	M8	16	50	15	47.5	52.5	74	60	112	25
52.5 - 58.0	M8	16	50	25	52.5	58.0	85	75	125	25
58.0 - 64.0	M8	16	40	25	58.0	64.0	85	75	125	25
64.0 - 72.0	M10	16	40	30	64.0	72.0	108	95	164	40
72.0 - 80.0	M10	16	40	30	72.0	80.0	108	95	164	40
80.0 - 88.0	M10	16	35	30	80.0	88.0	124	95	170	40
88.0 - 96.0	M10	16	35	30	88.0	96.0	124	95	170	40
97.0 - 105.0	M10	16	35	30	97.0	105.0	141	95	187	40
104.0 - 112.0	M10	16	35	30	104.0	112.0	141	95	187	40

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	OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
	112.0 - 120.0	M10	16	35	30	112.0	120.0	158	95	202	40
	122.0 - 130.0	M10	16	32	30	122.0	130.0	158	95	202	40
	129.0 - 137.0	M12	16	32	40	129.0	137.0	178	110	230	65
	137.0 - 145.0	M12	16	32	40	137.0	145.0	186	110	238	65
	149.0 - 157.0	M12	16	32	40	149.0	157.0	197	110	249	65
	157.0 - 165.0	M12	16	32	40	157.0	165.0	205	110	255	65
	164.0 - 172.0	M12	16	32	40	164.0	172.0	212	110	262	65
	185.0 - 198.0	M16	16	25	40	185.0	198.0	236	138	262	160
	198.0 - 211.0	M16	16	25	40	198.0	211.0	249	138	275	160
	210.0 - 223.0	M16	16	25	40	210.0	223.0	261	140	287	160
	221.0 - 234.0	M16	16	25	40	221.0	234.0	272	140	298	160
	234.0 - 247.0	M16	16	25	40	234.0	247.0	285	140	311	160
	247.0 - 260.0	M16	16	25	40	247.0	260.0	298	140	324	160
*	263.0 - 276.0	M16	16	25	40	263.0	276.0	314	140	340	160
	277.0 - 290.0	M16	16	25	40	277.0	290.0	328	142	354	160

UNI-Grip S PN10**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

*Restricted working conditions for CuNiFe tubes with a wall thickness \leq to 4 mm. For pipe dimensions with an asterisk, these may only be loaded with max PN 2,5.

OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
210 - 223	779 764 126	0	6.9	779 762 126
221 - 234	779 764 127	0	7.0	779 762 127
234 - 247	779 764 128	0	7.2	779 762 128
247 - 260	779 764 129	0	7.5	779 762 129
*	779 764 130	0	7.7	779 762 130
*	779 764 131	0	7.9	779 762 131
*	779 764 132	0	11.1	779 762 132
*	779 764 133	0	11.5	779 762 133
*	779 764 134	0	11.8	779 762 134
*	779 764 135	0	12.1	779 762 135
*	779 764 136	0	12.4	779 762 136
*	779 764 137	0	12.7	779 762 137
*	779 764 138	0	13.0	779 762 138

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)	
210 - 223	M16	10	16	40	210	223	261	138	287	160	
221 - 234	M16	10	16	40	221	234	272	138	298	160	
234 - 247	M16	10	16	40	234	247	285	138	311	160	
247 - 260	M16	10	16	40	247	260	298	138	324	160	
*	263 - 276	M16	10	16	40	263	276	314	138	340	160
*	277 - 290	M16	10	16	40	277	290	328	140	354	160
*	288 - 301	M16	10	16	40	288	301	339	140	365	160
*	301 - 314	M16	10	16	40	301	314	352	140	378	160
*	315 - 328	M16	10	16	40	315	328	366	140	392	160
*	327 - 340	M16	10	16	40	327	340	378	140	404	160
*	340 - 353	M16	10	16	40	340	353	391	140	417	160
*	350 - 363	M16	10	16	40	350	363	401	140	427	160
*	361 - 374	M16	10	16	40	361	374	412	142	438	160

UNI-Grip S PN6**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

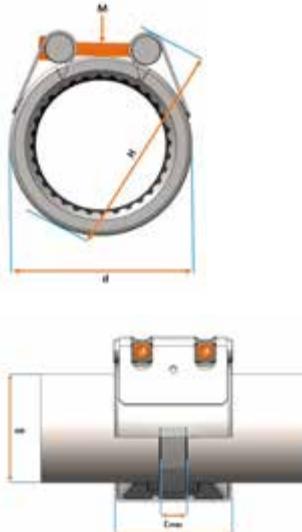
Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

- *Restricted working conditions for CuNiFe tubes with a wall thickness ≤ to 4 mm. For pipe dimensions with an asterisk, these may only be loaded with max PN 2,5.

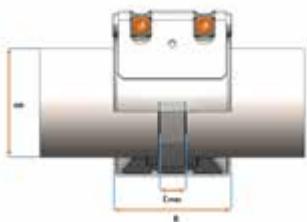


OD nominal (mm) (mm)	EPDM Code	SP Weight (kg)	NBR Code
185 - 198	779 764 224	0	5.4 779 762 224
198 - 211	779 764 225	0	5.6 779 762 225
210 - 223	779 764 226	0	5.7 779 762 226
221 - 234	779 764 227	0	5.9 779 762 227
234 - 247	779 764 228	0	6.1 779 762 228
247 - 260	779 764 229	0	6.2 779 762 229
*	779 764 230	0	6.5 779 762 230
*	779 764 231	0	6.7 779 762 231
*	779 764 232	0	8.1 779 762 232
*	779 764 233	0	8.3 779 762 233
*	779 764 234	0	8.5 779 762 234
*	779 764 235	0	8.7 779 762 235
*	779 764 236	0	8.9 779 762 236
*	779 764 237	0	9.1 779 762 237
*	779 764 238	0	9.3 779 762 238
*	779 764 239	0	13.3 779 762 239
*	779 764 240	0	13.6 779 762 240
*	779 764 241	0	13.9 779 762 241
412 - 425	779 764 242	0	14.2 779 762 242
422 - 435	779 764 243	0	14.5 779 762 243
438 - 451	779 764 244	0	14.9 779 762 244
451 - 464	779 764 245	0	15.2 779 762 245
460 - 473	779 764 246	0	15.4 779 762 246
476 - 489	779 764 247	0	15.8 779 762 247
488 - 501	779 764 248	0	16.1 779 762 248
503 - 516	779 764 249	0	16.5 779 762 249

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)	
185 - 198	M16	6	10	40	185	198	236	138	262	160	
198 - 211	M16	6	10	40	198	211	249	138	275	160	
210 - 223	M16	6	10	40	210	223	261	138	287	160	
221 - 234	M16	6	10	40	221	234	272	138	298	160	
234 - 247	M16	6	10	40	234	247	285	138	311	160	
247 - 260	M16	6	10	40	247	260	298	138	324	160	
*	263 - 276	M16	6	10	40	263	276	314	138	340	160
*	277 - 290	M16	6	10	40	277	290	328	140	354	160
*	288 - 301	M16	6	10	40	288	301	339	140	365	160
*	301 - 314	M16	6	10	40	301	314	352	140	378	160
*	315 - 328	M16	6	10	40	315	328	366	140	392	160
*	327 - 340	M16	6	10	40	327	340	378	140	404	160
*	340 - 353	M16	6	10	40	340	353	391	140	417	160
*	350 - 363	M16	6	10	40	350	362	401	140	427	160
*	361 - 374	M16	6	10	40	361	374	412	142	438	160
*	374 - 387	M16	6	10	40	374	387	425	142	451	160
*	387 - 400	M16	6	10	40	387	400	438	142	464	160
*	400 - 413	M16	6	10	40	400	413	451	142	477	160
412 - 425	M16	6	10	40	412	425	463	138	489	160	
422 - 435	M16	6	10	40	422	435	473	138	499	160	

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	OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
	438 - 451	M16	6	10	40	438	451	489	138	515	160
	451 - 464	M16	6	10	40	451	464	502	138	528	160
	460 - 473	M16	6	10	40	460	473	511	138	537	160
	476 - 489	M16	6	10	40	476	489	527	138	553	160
	488 - 501	M16	6	10	40	488	501	539	138	565	160
	503 - 516	M16	6	10	40	503	516	554	138	580	160

UNI-Grip S PN2.5**Model:**

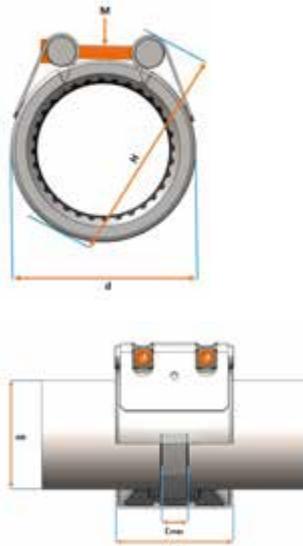
- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

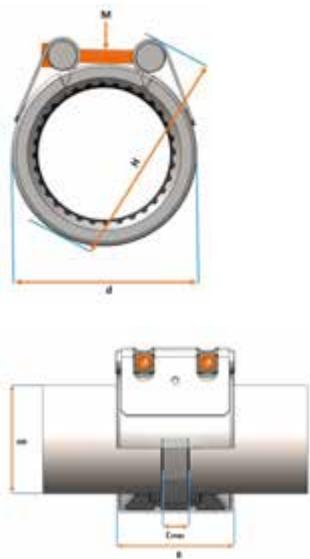


OD nominal (mm) (mm)	EPDM Code	SP Code	Weight (kg)	NBR Code
288 - 301	779 764 332	0	6.8	779 762 332
301 - 314	779 764 333	0	7.0	779 762 333
315 - 328	779 764 334	0	7.2	779 762 334
327 - 340	779 764 335	0	7.4	779 762 335
340 - 353	779 764 336	0	7.5	779 762 336
350 - 363	779 764 337	0	7.7	779 762 337
361 - 374	779 764 338	0	7.8	779 762 338
374 - 387	779 764 339	0	9.5	779 762 339
387 - 400	779 764 340	0	9.7	779 762 340
400 - 413	779 764 341	0	9.9	779 762 341
412 - 425	779 764 342	0	10.1	779 762 342
422 - 435	779 764 343	0	10.3	779 762 343
438 - 451	779 764 344	0	10.5	779 762 344
451 - 464	779 764 345	0	10.7	779 762 345
460 - 473	779 764 346	0	10.9	779 762 346
476 - 489	779 764 347	0	11.1	779 762 347
488 - 501	779 764 348	0	11.3	779 762 348
503 - 516	779 764 349	0	11.6	779 762 349
520 - 533	779 764 350	0	16.9	779 762 350
531 - 544	779 764 351	0	17.2	779 762 351
546 - 559	779 764 352	0	17.6	779 762 352
557 - 570	779 764 353	0	17.9	779 762 353
571 - 584	779 764 354	0	18.2	779 762 354
600 - 613	779 764 355	0	18.9	779 762 355
610 - 623	779 764 356	0	19.2	779 762 356
628 - 641	779 764 357	0	19.6	779 762 357
648 - 661	779 764 358	0	20.1	779 762 358
676 - 689	779 764 359	0	20.8	779 762 359
688 - 701	779 764 360	0	21.1	779 762 360
700 - 713	779 764 361	0	21.4	779 762 361
717 - 730	779 764 362	0	21.9	779 762 362
732 - 745	779 764 363	0	22.2	779 762 363

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
288 - 301	M16	2.5	6	40	288	301	339	138	365	160
301 - 314	M16	2.5	6	40	301	314	352	138	378	160
315 - 328	M16	2.5	6	40	315	328	366	138	392	160
327 - 340	M16	2.5	6	40	327	340	378	138	404	160
340 - 353	M16	2.5	6	40	340	353	391	138	417	160
350 - 363	M16	2.5	6	40	350	363	401	138	427	160
361 - 374	M16	2.5	6	40	361	374	412	138	438	160
374 - 387	M16	2.5	6	40	374	387	425	138	451	160
387 - 400	M16	2.5	6	40	387	400	438	138	464	160
400 - 413	M16	2.5	6	40	400	413	451	138	477	160
412 - 425	M16	2.5	6	40	412	425	463	138	489	160
422 - 435	M16	2.5	6	40	422	435	473	138	499	160
438 - 451	M16	2.5	6	40	438	451	489	138	515	160
451 - 464	M16	2.5	6	40	451	464	502	138	528	160
460 - 473	M16	2.5	6	40	460	473	511	138	537	160
476 - 489	M16	2.5	6	40	476	489	527	138	553	160

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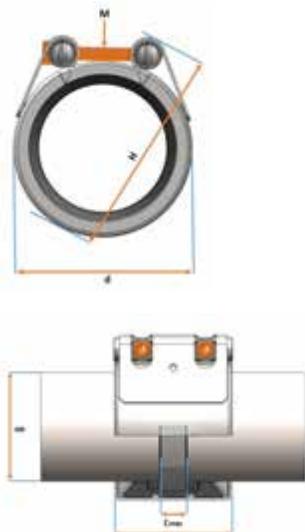


OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min. (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
488 - 501	M16	2.5	6	40	488	501	539	138	565	160
503 - 516	M16	2.5	6	40	503	516	554	138	580	160
520 - 533	M16	2.5	6	40	520	533	575	140	603	160
531 - 544	M16	2.5	6	40	531	544	586	140	614	160
546 - 559	M16	2.5	6	40	546	559	601	140	629	160
557 - 570	M16	2.5	6	40	557	570	612	140	640	160
571 - 584	M16	2.5	6	40	571	584	626	140	654	160
600 - 613	M16	2.5	6	40	600	613	655	140	683	160
610 - 623	M16	2.5	6	40	610	623	665	140	693	160
628 - 641	M16	2.5	6	40	628	641	683	140	711	160
648 - 661	M16	2.5	6	40	648	661	703	140	731	160
676 - 689	M16	2.5	6	40	676	689	731	140	759	160
688 - 701	M16	2.5	6	40	688	701	743	140	771	160
700 - 713	M16	2.5	6	40	700	713	755	140	783	160
717 - 730	M16	2.5	6	40	717	730	772	140	800	160
732 - 745	M16	2.5	6	40	732	745	787	140	815	160

UNI-Plastgrip

PF 1 D1 A89

UNI-Plastgrip L PN10



Model:

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality
- Temperature/Pressure:**

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory

OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
40	779 732 006	0	0.4	779 729 006
50	779 732 008	0	0.5	779 729 008
63	779 732 010	0	0.6	779 729 010
75	779 732 012	0	1.4	779 729 012
90	779 732 014	0	1.5	779 729 014
110	779 732 016	0	1.7	779 729 016
125	779 732 018	0	1.8	779 729 018
140	779 732 020	0	3.5	779 729 020
160	779 732 022	0	3.7	779 729 022

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
40	M8	10	16	15	39.0	43.0	66	60	104	25
50	M8	10	16	15	47.5	52.5	74	60	112	25
63	M8	10	16	25	58.0	64.0	85	75	125	25
75	M10	10	16	30	72.0	80.0	108	95	164	40
90	M10	10	16	30	88.0	96.0	124	95	170	40
110	M10	10	16	30	104.0	112.0	141	95	187	40
125	M10	10	16	30	122.0	130.0	158	95	202	40
140	M12	10	16	40	137.0	145.0	186	110	238	65
160	M12	10	16	40	157.0	165.0	205	110	255	65

UNI-Plastgrip S PN10**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

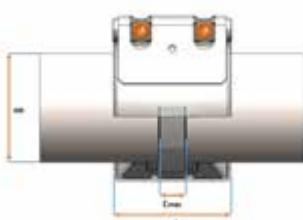
- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory**



OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
180	779 712 024	0	6.0	779 709 024
200	779 712 025	0	6.6	779 709 025
225	779 712 027	0	7.0	779 709 027
250	779 712 029	0	7.5	779 709 029
280	779 712 030	0	8.7	779 709 030
315	779 712 031	0	11.1	779 709 031
355	779 712 032	0	12.2	779 709 032

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max.	OD min	OD max.	d (mm)	B (mm)	H (mm)	Torque (N/m)
180	M16	10	16	40	172	185	223	138	259	160
200	M16	10	16	40	195	208	246	138	272	160
225	M16	10	16	40	215	228	272	138	298	160
250	M16	10	16	40	247	260	298	138	324	160
280	M16	10	16	40	269	282	320	142	346	160
315	M16	10	16	40	312	325	363	146	389	160
355	M16	10	16	40	350	363	401	146	427	160

UNI-Plastgrip S/S2 PN6**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

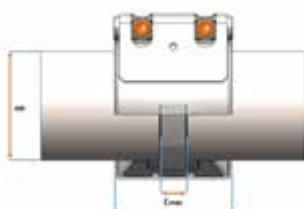
- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory**



OD nominal (mm) (mm)	EPDM Code	SP Weight (kg)	NBR Code
180	779 742 024	0	5.0
200	779 742 025	0	5.4
225	779 742 027	0	5.8
250	779 742 029	0	6.5
280	779 742 030	0	6.9
315	779 742 031	0	8.6
355	779 742 032	0	9.5
400	779 742 033	0	13.5
450	779 742 034	0	17.5
500	779 742 035	0	19.3

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
180	M16	6	10	40	172	185	223	140	259	160
200	M16	6	10	40	195	208	246	140	272	160
225	M16	6	10	40	215	228	272	140	298	160
250	M16	6	10	40	247	260	298	140	324	160
280	M16	6	10	40	269	282	320	140	346	160
315	M16	6	10	40	312	325	363	142	389	160
355	M16	6	10	40	350	363	401	142	427	160
400	M16	6	10	40	395	408	446	146	472	160
450	M16	6	10	40	447	460	498	146	524	160
500	M16	6	10	40	502	515	553	146	579	160

UNI-Plastgrip S/S2/S3/S4 PN2.5**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

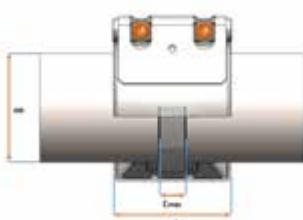
- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory**



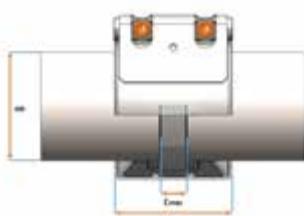
OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
315	779 752 031	0	7.8	779 749 031
355	779 752 032	0	8.5	779 749 032
400	779 752 033	0	10.5	779 749 033
450	779 752 034	0	13.1	779 749 034
500	779 752 035	0	14.5	779 749 035
550	779 752 036	0	21.1	779 749 036
630	779 752 037	0	23.5	779 749 037

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max.	OD min	OD max.	d (mm)	B (mm)	H (mm)	Torque (N/m)
315	M16	2.5	6	40	312	325	363	140	389	160
355	M16	2.5	6	40	350	363	401	140	427	160
400	M16	2.5	6	40	395	408	446	142	472	160
450	M16	2.5	6	40	447	460	498	142	524	160
500	M16	2.5	6	40	502	515	553	142	579	160
550	M16	2.5	6	40	557	570	608	146	634	160
630	M16	2.5	6	40	627	640	678	146	704	160

UNI-Combigrasp

PF 1 D1 A90

UNI-Combigrasp L PN10



Model:

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality
- Temperature/Pressure:**

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory**

OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
39.0 - 43.0	779 740 006	0	0.4	779 737 006
47.5 - 52.5	779 740 008	0	0.5	779 737 008
58.0 - 64.0	779 740 010	0	0.6	779 737 010
72.0 - 80.0	779 740 012	0	1.4	779 737 012
88.0 - 96.0	779 740 014	0	1.5	779 737 014
104.0 - 112.0	779 740 016	0	1.7	779 737 016
108.0 - 115.0	779 740 017	0	1.7	779 737 017
122.0 - 130.0	779 740 018	0	1.8	779 737 018
137.0 - 145.0	779 740 020	0	3.5	779 737 020
157.0 - 165.0	779 740 022	0	3.7	779 737 022
164.0 - 172.0	779 740 024	0	3.8	779 737 024

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max.	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
39.0 - 43.0	M8	10	16	15	39.0	43.0	66	60	104	25
47.5 - 52.5	M8	10	16	15	47.5	52.5	74	60	112	25
58.0 - 64.0	M8	10	16	25	58.0	64.0	85	75	125	25
72.0 - 80.0	M10	10	16	30	72.0	80.0	108	95	164	40
88.0 - 96.0	M10	10	16	30	88.0	96.0	124	95	170	40
104.0 - 112.0	M10	10	16	30	104.0	112.0	141	95	187	40
108.0 - 115.0	M10	10	16	30	108.0	115.0	141	95	187	40
122.0 - 130.0	M10	10	16	30	122.0	130.0	158	95	202	40
137.0 - 145.0	M12	10	16	40	137.0	145.0	186	110	238	65
157.0 - 165.0	M12	10	16	40	157.0	165.0	205	110	255	65
164.0 - 172.0	M12	10	16	40	164.0	172.0	212	110	262	65

UNI-Combigrasp S PN10**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

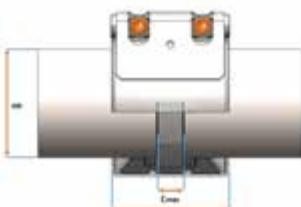
- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory



OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
172 - 185	779 724 924	0	6.2	779 721 924
195 - 208	779 724 925	0	6.6	779 721 925
215 - 228	779 724 926	0	7.3	779 721 926
247 - 260	779 724 927	0	8.1	779 721 927
269 - 282	779 724 928	0	8.7	779 721 928
312 - 325	779 724 929	0	11.1	779 721 929
350 - 363	779 724 930	0	12.2	779 721 930

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max.	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
172 - 185	M16	10	16	40	172	185	223	142	249	160
195 - 208	M16	10	16	40	195	208	246	142	272	160
215 - 228	M16	10	16	40	215	228	266	142	292	160
247 - 260	M16	10	16	40	247	260	298	142	324	160
269 - 282	M16	10	16	40	269	282	320	142	346	160
312 - 325	M16	10	16	40	312	325	363	142	389	160
350 - 363	M16	10	16	40	350	363	401	142	427	160

UNI-Combigrasp S/S2 PN6**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

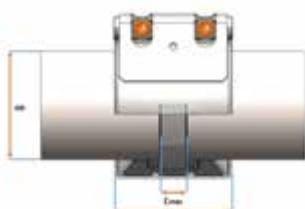
- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory



OD nominal (mm) (mm)	EPDM Code	SP Weight (kg)	NBR Code
172 - 185	779 750 924	0 4.980	779 747 924
195 - 208	779 750 925	0 5.440	779 747 925
215 - 228	779 750 926	0 5.840	779 747 926
247 - 260	779 750 927	0 6.480	779 747 927
269 - 282	779 750 928	0 6.920	779 747 928
312 - 325	779 750 929	0 8.644	779 747 929
350 - 363	779 750 930	0 9.489	779 747 930
395 - 408	779 750 931	0 13.486	779 747 931
447 - 460	779 750 932	0 17.467	779 747 932
502 - 515	779 750 933	0 19.300	779 747 933

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
172 - 185	M16	6	10	40	172	185	223	140	249	160
195 - 208	M16	6	10	40	195	208	246	140	272	160
215 - 228	M16	6	10	40	215	228	266	140	292	160
247 - 260	M16	6	10	40	247	260	298	140	324	160
269 - 282	M16	6	10	40	269	282	320	140	346	160
312 - 325	M16	6	10	40	312	325	363	142	389	160
350 - 363	M16	6	10	40	350	363	401	142	427	160
395 - 408	M16	6	10	40	395	408	446	146	472	160
447 - 460	M16	6	10	40	447	460	498	146	524	160
502 - 515	M16	6	10	40	502	515	553	146	579	160

UNI-Combigrasp S/S2/S3/S4 PN2,5**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

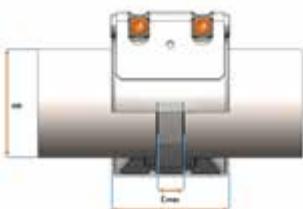
- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory



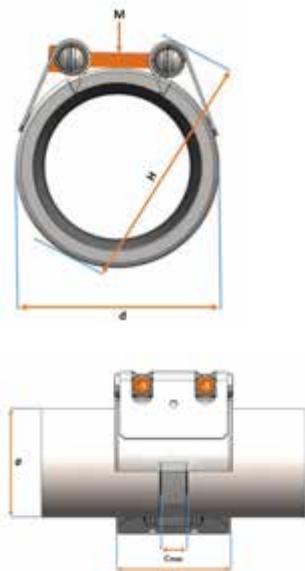
OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
312 - 325	779 760 929	0	7.8	779 757 929
350 - 363	779 760 930	0	8.5	779 757 930
395 - 408	779 760 931	0	10.5	779 757 931
447 - 460	779 760 932	0	13.1	779 757 932
502 - 515	779 760 933	0	14.5	779 757 933
557 - 570	779 760 934	0	21.1	779 757 934
627 - 640	779 760 935	0	23.5	779 757 935

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max.	OD min	OD max.	d (mm)	B (mm)	H (mm)	Torque (N/m)
312 - 325	M16	2.5	6	40	312	325	363	140	389	160
350 - 363	M16	2.5	6	40	350	363	401	140	427	160
395 - 408	M16	2.5	6	40	395	408	446	142	472	160
447 - 460	M16	2.5	6	40	447	460	498	142	524	160
502 - 515	M16	2.5	6	40	502	515	553	142	579	160
557 - 570	M16	2.5	6	40	557	570	608	146	634	160
627 - 640	M16	2.5	6	40	627	640	678	146	704	160

UNI-Flex

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UNI-Flex L PN16



Model:

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality
- Temperature/Pressure:**

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory**

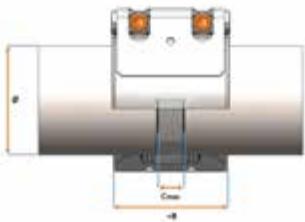
OD nominal (mm) (mm)	EPDM Code	SP Weight (kg)	NBR Code
21.0 - 24.0	779 812 001	0	0.2
25.0 - 29.0	779 812 002	0	0.2
29.0 - 32.0	779 812 003	0	0.2
33.0 - 36.0	779 812 004	0	0.2
36.0 - 39.0	779 812 005	0	0.4
39.0 - 43.0	779 812 006	0	0.4
43.0 - 47.5	779 812 007	0	0.4
47.5 - 52.5	779 812 008	0	0.4
52.5 - 58.0	779 812 009	0	0.6
58.0 - 64.0	779 812 010	0	0.6
64.0 - 72.0	779 812 011	0	1.0
72.0 - 80.0	779 812 012	0	1.0
80.0 - 88.0	779 812 013	0	1.0
88.0 - 96.0	779 812 014	0	1.0
97.0 - 105.0	779 812 015	0	1.1
104.0 - 112.0	779 812 016	0	1.1
112.0 - 120.0	779 812 017	0	1.2
122.0 - 130.0	779 812 018	0	1.2
129.0 - 137.0	779 812 019	0	2.1
137.0 - 145.0	779 812 020	0	2.2
149.0 - 157.0	779 812 021	0	2.3
157.0 - 165.0	779 812 022	0	2.3
164.0 - 172.0	779 812 023	0	2.4

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max.	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
21.0 - 24.0	M6	16	25	10	21.0	24.0	46	45	76	3.0
25.0 - 29.0	M6	16	25	10	25.0	29.0	46	45	76	3.0
29.0 - 32.0	M6	16	25	10	29.0	32.0	54	45	84	3.0
33.0 - 36.0	M6	16	25	10	33.0	36.0	54	45	84	3.0
36.0 - 39.0	M8	16	25	15	36.0	39.0	66	60	104	5.0
39.0 - 43.0	M8	16	25	15	39.0	43.0	66	60	104	5.0
43.0 - 47.5	M8	16	25	15	43.0	47.5	74	60	112	5.0
47.5 - 52.5	M8	16	25	15	47.5	52.5	74	60	112	5.0
52.5 - 58.0	M8	16	25	25	52.5	58.0	85	75	125	5.0
58.0 - 64.0	M8	16	25	25	58.0	64.0	85	75	125	5.0
64.0 - 72.0	M10	16	25	30	64.0	72.0	108	95	164	10.0
72.0 - 80.0	M10	16	25	30	72.0	80.0	108	95	164	10.0
80.0 - 88.0	M10	16	25	30	80.0	88.0	124	95	170	10.0
88.0 - 96.0	M10	16	25	30	88.0	96.0	124	95	170	10.0
97.0 - 105.0	M10	16	25	30	97.0	105.0	141	95	187	10.0
104.0 - 112.0	M10	16	25	30	104.0	112.0	141	95	187	10.0
112.0 - 120.0	M10	16	25	30	112.0	120.0	158	95	202	12.5
122.0 - 130.0	M10	16	25	30	122.0	130.0	158	95	202	12.5
129.0 - 137.0	M12	16	25	40	129.0	137.0	178	110	230	20.0

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OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min. (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
137.0 - 145.0	M12	16	25	40	137.0	145.0	186	110	238	25.0
149.0 - 157.0	M12	16	25	40	149.0	157.0	197	110	249	30.0
157.0 - 165.0	M12	16	25	40	157.0	165.0	205	110	255	30.0
164.0 - 172.0	M12	16	25	40	164.0	172.0	212	110	262	30.0



UNI-Flex S PN16**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

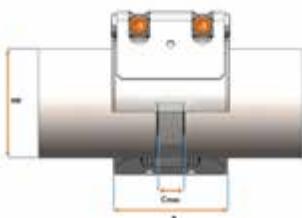
- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory**

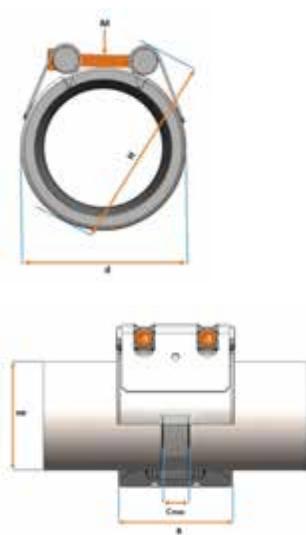


OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
185 - 198	779 864 024	0	5.0	779 862 024
198 - 211	779 864 025	0	5.2	779 862 025
210 - 223	779 864 026	0	5.3	779 862 026
221 - 234	779 864 027	0	5.5	779 862 027
234 - 247	779 864 028	0	5.6	779 862 028
247 - 260	779 864 029	0	5.8	779 862 029
263 - 276	779 864 030	0	6.0	779 862 030
277 - 290	779 864 031	0	7.6	779 862 031
288 - 301	779 864 032	0	7.8	779 862 032
301 - 314	779 864 033	0	8.0	779 862 033
315 - 328	779 864 034	0	8.2	779 862 034
327 - 340	779 864 035	0	8.4	779 862 035
340 - 353	779 864 036	0	8.6	779 862 036
350 - 363	779 864 037	0	8.8	779 862 037
361 - 374	779 864 038	0	12.6	779 862 038
374 - 387	779 864 039	0	12.9	779 862 039
387 - 400	779 864 040	0	13.3	779 862 040
400 - 413	779 864 041	0	13.6	779 862 041
412 - 425	779 864 042	0	13.9	779 862 042
422 - 435	779 864 043	0	14.1	779 862 043
438 - 451	779 864 044	0	14.5	779 862 044
451 - 464	779 864 045	0	14.9	779 862 045
460 - 473	779 864 046	0	15.1	779 862 046
476 - 489	779 864 047	0	15.5	779 862 047
488 - 501	779 864 048	0	15.8	779 862 048
503 - 516	779 864 049	0	16.2	779 862 049
520 - 533	779 864 050	0	16.6	779 862 050
531 - 544	779 864 051	0	16.9	779 862 051
546 - 559	779 864 052	0	17.2	779 862 052
557 - 570	779 864 053	0	17.5	779 862 053
571 - 584	779 864 054	0	17.9	779 862 054
600 - 613	779 864 055	0	18.6	779 862 055
610 - 623	779 864 056	0	18.9	779 862 056
628 - 641	779 864 057	0	19.3	779 862 057
648 - 661	779 864 058	0	19.8	779 862 058
676 - 689	779 864 059	0	20.5	779 862 059
688 - 701	779 864 060	0	20.8	779 862 060
700 - 713	779 864 061	0	21.1	779 862 061
717 - 730	779 864 062	0	21.5	779 862 062
732 - 745	779 864 063	0	21.9	779 862 063

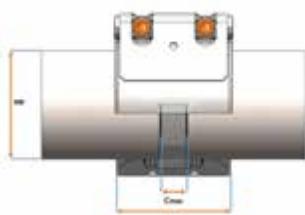
OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
185 - 198	M12	16	25	40	185	198	236	140	262	30
198 - 211	M12	16	25	40	198	211	249	140	275	30
210 - 223	M12	16	25	40	210	223	261	140	287	30
221 - 234	M12	16	25	40	221	234	272	140	298	30
234 - 247	M12	16	25	40	234	247	285	140	311	30

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OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
247 - 260	M12	16	25	40	247	260	298	140	324	30
263 - 276	M12	16	25	40	263	276	314	140	340	30
277 - 290	M16	16	25	40	277	290	328	142	354	30
288 - 301	M16	16	25	40	288	301	339	142	365	30
301 - 314	M16	16	25	40	301	314	352	142	378	30
315 - 328	M16	16	25	40	315	328	366	142	392	30
327 - 340	M16	16	25	40	327	340	378	142	404	50
340 - 353	M16	16	25	40	340	353	391	142	417	50
350 - 363	M16	16	25	40	350	363	401	142	427	50
361 - 374	M16	16	25	40	361	374	412	146	438	50
374 - 387	M16	16	25	40	374	387	425	146	451	50
387 - 400	M16	16	25	40	387	400	438	146	464	50
400 - 413	M16	16	25	40	400	413	451	146	477	50
412 - 425	M16	16	25	40	412	425	463	146	489	50
422 - 435	M16	16	25	40	422	435	473	146	499	50
438 - 451	M16	16	25	40	438	451	489	146	515	50
451 - 464	M16	16	25	40	451	464	502	146	528	50
460 - 473	M16	16	25	40	460	473	511	146	537	50
476 - 489	M16	16	25	40	476	489	527	146	553	50
488 - 501	M16	16	25	40	488	501	539	146	565	50
503 - 516	M16	16	25	40	503	516	554	146	580	50
520 - 533	M16	16	25	40	520	533	575	146	603	60
531 - 544	M16	16	25	40	531	544	586	146	614	60
546 - 559	M16	16	25	40	546	559	601	146	629	60
557 - 570	M16	16	25	40	557	570	612	146	640	60
571 - 584	M16	16	25	40	571	584	626	146	654	60
600 - 613	M16	16	25	40	600	613	655	146	683	60
610 - 623	M16	16	25	40	610	623	665	146	693	70
628 - 641	M16	16	25	40	628	641	683	146	711	70
648 - 661	M16	16	25	40	648	661	703	146	731	70
676 - 689	M16	16	25	40	676	689	731	146	759	70
688 - 701	M16	16	25	40	688	701	743	146	771	70
700 - 713	M16	16	25	40	700	713	755	146	783	70
717 - 730	M16	16	25	40	717	730	772	146	800	70
732 - 745	M16	16	25	40	732	745	787	146	815	70

UNI-Flex S2 PN16**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory**

OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
756 - 782	779 864 064	0	26.1	779 862 064
782 - 808	779 864 065	0	26.7	779 862 065
806 - 832	779 864 066	0	27.3	779 862 066
828 - 854	779 864 067	0	27.9	779 862 067
856 - 882	779 864 068	0	28.6	779 862 068
882 - 908	779 864 069	0	29.2	779 862 069
904 - 930	779 864 070	0	29.8	779 862 070

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max.	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
756 - 782	M16	16	25	40	756	782	824	146	852	70
782 - 808	M16	16	25	40	782	808	850	146	878	70
806 - 832	M16	16	25	40	806	832	874	146	902	70
828 - 854	M16	16	25	40	828	854	896	146	924	80
856 - 882	M16	16	25	40	856	882	924	146	952	80
882 - 908	M16	16	25	40	882	908	950	146	978	80
904 - 930	M16	16	25	40	904	930	972	146	1000	80

UNI-Flex S PN10**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

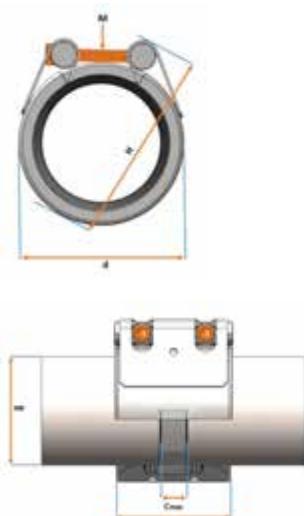
- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory



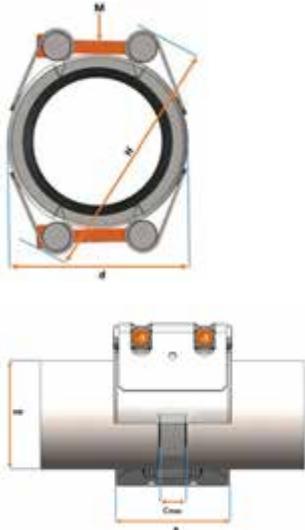
OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
185 - 198	779 864 124	0	3.9	779 862 124
198 - 211	779 864 125	0	4.0	779 862 125
210 - 223	779 864 126	0	4.1	779 862 126
221 - 234	779 864 127	0	4.2	779 862 127
234 - 247	779 864 128	0	4.3	779 862 128
247 - 260	779 864 129	0	4.4	779 862 129
263 - 276	779 864 130	0	4.6	779 862 130
277 - 290	779 864 131	0	6.1	779 862 131
288 - 301	779 864 132	0	6.3	779 862 132
301 - 314	779 864 133	0	6.4	779 862 133
315 - 328	779 864 134	0	6.6	779 862 134
327 - 340	779 864 135	0	6.8	779 862 135
340 - 353	779 864 136	0	6.9	779 862 136
350 - 363	779 864 137	0	7.0	779 862 137
361 - 374	779 864 138	0	8.9	779 862 138
374 - 387	779 864 139	0	9.1	779 862 139
387 - 400	779 864 140	0	9.4	779 862 140
400 - 413	779 864 141	0	9.6	779 862 141
412 - 425	779 864 142	0	9.8	779 862 142
422 - 435	779 864 143	0	9.9	779 862 143
438 - 451	779 864 144	0	10.2	779 862 144
451 - 464	779 864 145	0	10.4	779 862 145
460 - 473	779 864 146	0	10.5	779 862 146
476 - 489	779 864 147	0	10.8	779 862 147
488 - 501	779 864 148	0	11.0	779 862 148
503 - 516	779 864 149	0	11.2	779 862 149
520 - 533	779 864 150	0	11.5	779 862 150
531 - 544	779 864 151	0	11.7	779 862 151
546 - 559	779 864 152	0	11.9	779 862 152
557 - 570	779 864 153	0	12.1	779 862 153
571 - 584	779 864 154	0	12.3	779 862 154
600 - 613	779 864 155	0	12.8	779 862 155
610 - 623	779 864 156	0	12.9	779 862 156
628 - 641	779 864 157	0	13.2	779 862 157
648 - 661	779 864 158	0	13.5	779 862 158
676 - 689	779 864 159	0	14.0	779 862 159
688 - 701	779 864 160	0	14.2	779 862 160
700 - 713	779 864 161	0	14.4	779 862 161
717 - 730	779 864 162	0	14.7	779 862 162
732 - 745	779 864 163	0	14.9	779 862 163

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
185 - 198	M12	10	16	40	185	198	236	138	262	30
198 - 211	M12	10	16	40	198	211	249	138	275	30
210 - 223	M12	10	16	40	210	223	261	138	287	30
221 - 234	M12	10	16	40	221	234	272	138	298	30
234 - 247	M12	10	16	40	234	247	285	138	311	30

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OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
247 - 260	M12	10	16	40	247	260	298	138	324	30
263 - 276	M12	10	16	40	263	276	314	138	340	30
277 - 290	M12	10	16	40	277	290	328	140	354	30
288 - 301	M12	10	16	40	288	301	339	140	365	30
301 - 314	M12	10	16	40	301	314	352	140	378	30
315 - 328	M12	10	16	40	315	328	366	140	392	30
327 - 340	M12	10	16	40	327	340	378	140	404	40
340 - 353	M12	10	16	40	340	353	391	140	417	40
350 - 363	M12	10	16	40	350	363	401	140	427	40
361 - 374	M12	10	16	40	361	374	412	142	438	40
374 - 387	M12	10	16	40	374	387	425	142	451	40
387 - 400	M12	10	16	40	387	400	438	142	464	40
400 - 413	M12	10	16	40	400	413	451	142	477	40
412 - 425	M12	10	16	40	412	425	463	142	489	40
422 - 435	M12	10	16	40	422	435	473	142	499	40
438 - 451	M12	10	16	40	438	451	489	142	515	40
451 - 464	M12	10	16	40	451	464	502	142	528	40
460 - 473	M12	10	16	40	460	473	511	142	537	40
476 - 489	M12	10	16	40	476	489	527	142	553	40
488 - 501	M12	10	16	40	488	501	539	142	565	40
503 - 516	M12	10	16	40	503	516	554	142	580	40
520 - 533	M16	10	16	40	520	533	575	142	603	50
531 - 544	M16	10	16	40	531	544	586	142	614	50
546 - 559	M16	10	16	40	546	559	601	142	629	50
557 - 570	M16	10	16	40	557	570	612	142	640	50
571 - 584	M16	10	16	40	571	584	626	142	654	50
600 - 613	M16	10	16	40	600	613	655	142	683	50
610 - 623	M16	10	16	40	610	623	665	142	693	60
628 - 641	M16	10	16	40	628	641	683	142	711	60
648 - 661	M16	10	16	40	648	661	703	142	731	60
676 - 689	M16	10	16	40	676	689	731	142	759	60
688 - 701	M16	10	16	40	688	701	743	142	771	60
700 - 713	M16	10	16	40	700	713	755	142	783	60
717 - 730	M16	10	16	40	717	730	772	142	800	60
732 - 745	M16	10	16	40	732	745	787	142	815	60

UNI-Flex S2/S3 PN10**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory**

OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
756 - 782	779 864 164	0	18.4	779 862 164
782 - 808	779 864 165	0	18.8	779 862 165
806 - 832	779 864 166	0	19.2	779 862 166
828 - 854	779 864 167	0	19.6	779 862 167
856 - 882	779 864 168	0	20.0	779 862 168
882 - 908	779 864 169	0	20.4	779 862 169
904 - 930	779 864 170	0	20.8	779 862 170
936 - 962	779 864 171	0	30.6	779 862 171
961 - 987	779 864 172	0	31.2	779 862 172
984 - 1010	779 864 173	0	31.8	779 862 173
1004 - 1030	779 864 174	0	32.3	779 862 174
1044 - 1070	779 864 175	0	33.3	779 862 175
1076 - 1102	779 864 176	0	34.1	779 862 176
1104 - 1130	779 864 177	0	34.8	779 862 177
1138 - 1177	779 864 178	0	39.2	779 862 178
1192 - 1231	779 864 179	0	40.6	779 862 179
1241 - 1280	779 864 180	0	41.8	779 862 180
1331 - 1370	779 864 181	0	44.1	779 862 181
1413 - 1452	779 864 182	0	46.1	779 862 182

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
756 - 782	M16	10	16	40	756	782	824	142	852	60
782 - 808	M16	10	16	40	782	808	850	142	878	60
806 - 832	M16	10	16	40	806	832	874	142	902	60
828 - 854	M16	10	16	40	828	854	896	142	924	60
856 - 882	M16	10	16	40	856	882	924	142	952	60
882 - 908	M16	10	16	40	882	908	950	142	978	60
904 - 930	M16	10	16	40	904	930	972	142	1000	60
936 - 962	M16	10	16	40	936	962	1004	146	1032	60
961 - 987	M16	10	16	40	961	987	1029	146	1057	60
984 - 1010	M16	10	16	40	984	1010	1052	146	1080	60
1004 - 1030	M16	10	16	40	1004	1030	1072	146	1100	60
1044 - 1070	M16	10	16	40	1044	1070	1116	146	1146	80
1076 - 1102	M16	10	16	40	1076	1102	1148	146	1178	80
1104 - 1130	M16	10	16	40	1104	1130	1176	146	1206	80
1138 - 1177	M16	10	16	40	1138	1177	1223	146	1253	80
1192 - 1231	M16	10	16	40	1192	1231	1277	146	1307	80
1241 - 1280	M16	10	16	40	1241	1280	1326	146	1356	80
1331 - 1370	M16	10	16	40	1331	1370	1416	146	1446	80
1413 - 1452	M16	10	16	40	1413	1452	1498	146	1528	80

UNI-Flex S PN6**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

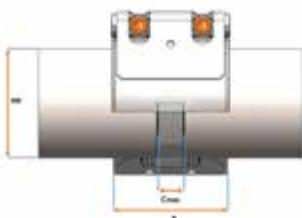
- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

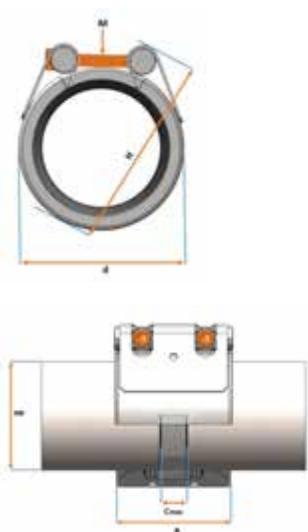
- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory



OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
277 - 290	779 864 231	0	4.7	779 862 231
288 - 301	779 864 232	0	4.8	779 862 232
301 - 314	779 864 233	0	4.9	779 862 233
315 - 328	779 864 234	0	5.0	779 862 234
327 - 340	779 864 235	0	5.1	779 862 235
340 - 353	779 864 236	0	5.2	779 862 236
350 - 363	779 864 237	0	5.2	779 862 237
361 - 374	779 864 238	0	5.3	779 862 238
374 - 387	779 864 239	0	5.4	779 862 239
387 - 400	779 864 240	0	5.5	779 862 240
400 - 413	779 864 241	0	5.6	779 862 241
412 - 425	779 864 242	0	5.7	779 862 242
422 - 435	779 864 243	0	5.8	779 862 243
438 - 451	779 864 244	0	5.9	779 862 244
451 - 464	779 864 245	0	6.0	779 862 245
460 - 473	779 864 246	0	6.1	779 862 246
476 - 489	779 864 247	0	6.2	779 862 247
488 - 501	779 864 248	0	6.3	779 862 248
503 - 516	779 864 249	0	6.5	779 862 249
520 - 533	779 864 250	0	9.1	779 862 250
531 - 544	779 864 251	0	9.2	779 862 251
546 - 559	779 864 252	0	9.4	779 862 252
557 - 570	779 864 253	0	9.5	779 862 253
571 - 584	779 864 254	0	9.7	779 862 254
600 - 613	779 864 255	0	10.1	779 862 255
610 - 623	779 864 256	0	10.2	779 862 256
628 - 641	779 864 257	0	10.4	779 862 257
648 - 661	779 864 258	0	10.6	779 862 258
676 - 689	779 864 259	0	11.0	779 862 259
688 - 701	779 864 260	0	11.1	779 862 260
700 - 713	779 864 261	0	11.3	779 862 261
717 - 730	779 864 262	0	11.5	779 862 262
732 - 745	779 864 263	0	11.6	779 862 263

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
277 - 290	M12	6	10	40	277	290	328	138	354	30
288 - 301	M12	6	10	40	288	301	339	138	365	30
301 - 314	M12	6	10	40	301	314	352	138	378	30
315 - 328	M12	6	10	40	315	328	366	138	392	30
327 - 340	M12	6	10	40	327	340	378	138	404	40
340 - 353	M12	6	10	40	340	353	391	138	417	40
350 - 363	M12	6	10	40	350	363	401	138	427	40
361 - 374	M12	6	10	40	361	374	412	138	438	40
374 - 387	M12	6	10	40	374	387	425	138	451	40
387 - 400	M12	6	10	40	387	400	438	138	464	40
400 - 413	M12	6	10	40	400	413	451	138	477	40
412 - 425	M12	6	10	40	412	425	463	138	489	40

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OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min. (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
422 - 435	M12	6	10	40	422	435	473	138	499	40
438 - 451	M12	6	10	40	438	451	489	138	515	40
451 - 464	M12	6	10	40	451	464	502	138	528	40
460 - 473	M12	6	10	40	460	473	511	138	537	40
476 - 489	M12	6	10	40	476	489	527	138	553	40
488 - 501	M12	6	10	40	488	501	539	138	565	40
503 - 516	M12	6	10	40	503	516	554	138	580	40
520 - 533	M12	6	10	40	520	533	575	140	603	50
531 - 544	M12	6	10	40	531	544	586	140	614	50
546 - 559	M12	6	10	40	546	559	601	140	629	50
557 - 570	M12	6	10	40	557	570	612	140	640	50
571 - 584	M12	6	10	40	571	584	626	140	654	50
600 - 613	M12	6	10	40	600	613	655	140	683	50
610 - 623	M12	6	10	40	610	623	665	140	693	60
628 - 641	M12	6	10	40	628	641	683	140	711	60
648 - 661	M12	6	10	40	648	661	703	140	731	60
676 - 689	M12	6	10	40	676	689	731	140	759	60
688 - 701	M12	6	10	40	688	701	743	140	771	60
700 - 713	M12	6	10	40	700	713	755	140	783	60
717 - 730	M12	6	10	40	717	730	772	140	800	60
732 - 745	M12	6	10	40	732	745	787	140	815	60

UNI-Flex S2/S3 PN6**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

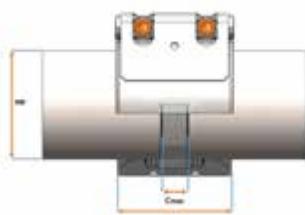
- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory**



OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
756 - 782	779 864 264	0	14.7	779 862 264
782 - 808	779 864 265	0	15.1	779 862 265
806 - 832	779 864 266	0	15.3	779 862 266
828 - 854	779 864 267	0	15.6	779 862 267
856 - 882	779 864 268	0	15.9	779 862 268
882 - 908	779 864 269	0	16.3	779 862 269
904 - 930	779 864 270	0	16.5	779 862 270
936 - 962	779 864 271	0	21.3	779 862 271
961 - 987	779 864 272	0	21.7	779 862 272
984 - 1010	779 864 273	0	22.1	779 862 273
1004 - 1030	779 864 274	0	22.4	779 862 274
1044 - 1070	779 864 275	0	23.0	779 862 275
1076 - 1102	779 864 276	0	23.6	779 862 276
1104 - 1130	779 864 277	0	24.0	779 862 277
1138 - 1177	779 864 278	0	27.7	779 862 278
1192 - 1231	779 864 279	0	28.6	779 862 279
1241 - 1280	779 864 280	0	29.3	779 862 280
1331 - 1370	779 864 281	0	30.8	779 862 281
1413 - 1452	779 864 282	0	32.1	779 862 282
1432 - 1471	779 864 283	0	32.4	779 862 283

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
756 - 782	M12	6	10	40	756	782	824	140	852	60
782 - 808	M12	6	10	40	782	808	850	140	878	60
806 - 832	M12	6	10	40	806	832	874	140	902	60
828 - 854	M12	6	10	40	828	854	896	140	924	60
856 - 882	M12	6	10	40	856	882	924	140	952	60
882 - 908	M12	6	10	40	882	908	950	140	978	60
904 - 930	M12	6	10	40	904	930	972	140	1000	60
936 - 962	M16	6	10	40	936	962	1029	142	1057	60
961 - 987	M16	6	10	40	961	987	1004	142	1032	60
984 - 1010	M16	6	10	40	984	1010	1052	142	1080	60
1004 - 1030	M16	6	10	40	1004	1030	1072	142	1100	60
1044 - 1070	M16	6	10	40	1044	1070	1116	142	1146	80
1076 - 1102	M16	6	10	40	1076	1102	1148	142	1178	80
1104 - 1130	M16	6	10	40	1104	1130	1176	142	1206	80
1138 - 1177	M16	6	10	40	1138	1177	1223	142	1253	80
1192 - 1231	M16	6	10	40	1192	1231	1277	142	1307	80
1241 - 1280	M16	6	10	40	1241	1280	1326	142	1356	80
1331 - 1370	M16	6	10	40	1331	1370	1416	142	1446	80
1413 - 1452	M16	6	10	40	1413	1452	1498	142	1528	80
1432 - 1471	M16	6	10	40	1432	1471	1517	142	1547	80

UNI-Flex S PN2.5**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

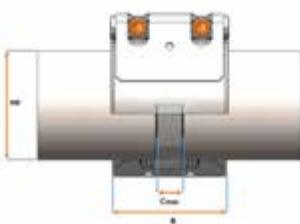
- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory**



OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
520 - 533	779 864 350	0	6.6	779 862 350
531 - 544	779 864 351	0	6.7	779 862 351
546 - 559	779 864 352	0	6.8	779 862 352
557 - 570	779 864 353	0	6.9	779 862 353
571 - 584	779 864 354	0	7.0	779 862 354
600 - 613	779 864 355	0	7.2	779 862 355
610 - 623	779 864 356	0	7.3	779 862 356
628 - 641	779 864 357	0	7.4	779 862 357
648 - 661	779 864 358	0	7.6	779 862 358
676 - 689	779 864 359	0	7.8	779 862 359
688 - 701	779 864 360	0	7.9	779 862 360
700 - 713	779 864 361	0	8.0	779 862 361
717 - 730	779 864 362	0	8.1	779 862 362
732 - 745	779 864 363	0	8.3	779 862 363

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
520 - 533	M12	2.5	6	40	520	533	575	138	603	60
531 - 544	M12	2.5	6	40	531	544	586	138	614	60
546 - 559	M12	2.5	6	40	546	559	601	138	629	60
557 - 570	M12	2.5	6	40	557	570	612	138	640	60
571 - 584	M12	2.5	6	40	571	584	626	138	654	60
600 - 613	M12	2.5	6	40	600	613	655	138	683	60
610 - 623	M12	2.5	6	40	610	623	665	138	693	70
628 - 641	M12	2.5	6	40	628	641	683	138	711	70
648 - 661	M12	2.5	6	40	648	661	703	138	731	70
676 - 689	M12	2.5	6	40	676	689	731	138	759	70
688 - 701	M12	2.5	6	40	688	701	743	138	771	70
700 - 713	M12	2.5	6	40	700	713	755	138	783	70
717 - 730	M12	2.5	6	40	717	730	772	138	800	70
732 - 745	M12	2.5	6	40	732	745	787	138	815	70

UNI-Flex S2/S3/S4 PN2.5**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

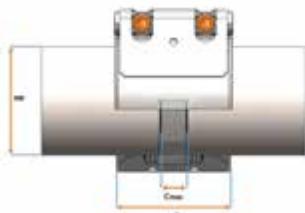
- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

Remark:

- For safe installation on PVC-, ABS-, PE-, PP- and PB-pipes insert stiffeners are mandatory**

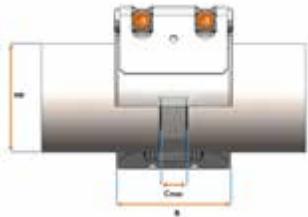


OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
756 - 782	779 864 364	0	10.9	779 862 364
782 - 808	779 864 365	0	11.1	779 862 365
806 - 832	779 864 366	0	11.3	779 862 366
828 - 854	779 864 367	0	11.5	779 862 367
856 - 882	779 864 368	0	11.7	779 862 368
882 - 908	779 864 369	0	11.9	779 862 369
904 - 930	779 864 370	0	12.1	779 862 370
936 - 962	779 864 371	0	16.9	779 862 371
961 - 987	779 864 372	0	17.2	779 862 372
984 - 1010	779 864 373	0	17.5	779 862 373
1004 - 1030	779 864 374	0	17.7	779 862 374
1044 - 1070	779 864 375	0	18.2	779 862 375
1076 - 1102	779 864 376	0	18.6	779 862 376
1104 - 1130	779 864 377	0	18.9	779 862 377
1138 - 1177	779 864 378	0	22.2	779 862 378
1192 - 1231	779 864 379	0	22.8	779 862 379
1241 - 1280	779 864 380	0	23.4	779 862 380
1331 - 1370	779 864 381	0	24.5	779 862 381
1413 - 1452	779 864 382	0	25.5	779 862 382
1432 - 1471	779 864 383	0	25.7	779 862 383
1529 - 1568	779 864 384	0	34.0	779 862 384
1620 - 1672	779 864 385	0	38.6	779 862 385
1827 - 1879	779 864 386	0	41.9	779 862 386
2000 - 2052	779 864 387	0	44.7	779 862 387
2038 - 2090	779 864 388	0	45.3	779 862 388

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
756 - 782	M12	2.5	6	40	756	782	824	138	852	70
782 - 808	M12	2.5	6	40	782	808	850	138	878	70
806 - 832	M12	2.5	6	40	806	832	874	138	902	70
828 - 854	M12	2.5	6	40	828	854	896	138	924	70
856 - 882	M12	2.5	6	40	856	882	924	138	952	70
882 - 908	M12	2.5	6	40	882	908	950	138	978	70
904 - 930	M12	2.5	6	40	904	930	972	138	1000	70
936 - 962	M12	2.5	6	40	936	962	1004	140	1032	80
961 - 987	M12	2.5	6	40	961	987	1029	140	1057	80
984 - 1010	M12	2.5	6	40	984	1010	1052	140	1080	80
1004 - 1030	M12	2.5	6	40	1004	1030	1072	140	1100	80
1044 - 1070	M12	2.5	6	40	1044	1070	1116	140	1146	80
1076 - 1102	M12	2.5	6	40	1076	1102	1148	140	1178	80
1104 - 1130	M12	2.5	6	40	1104	1130	1176	140	1206	80
1138 - 1177	M12	2.5	6	40	1138	1177	1223	140	1253	80
1192 - 1231	M12	2.5	6	40	1192	1231	1277	140	1307	80
1241 - 1280	M12	2.5	6	40	1241	1280	1326	140	1356	80
1331 - 1370	M12	2.5	6	40	1331	1370	1416	140	1446	80
1413 - 1452	M12	2.5	6	40	1413	1452	1498	140	1528	80
1432 - 1471	M12	2.5	6	40	1432	1471	1517	142	1547	80
1529 - 1568	M12	2.5	6	40	1529	1568	1614	142	1644	80

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OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
1620 - 1672	M12	2.5	6	40	1620	1672	1718	142	1748	80
1827 - 1879	M12	2.5	6	40	1827	1879	1925	142	1955	80
2000 - 2052	M12	2.5	6	40	2000	2052	2098	142	2128	80
2038 - 2090	M12	2.5	6	40	2038	2090	2136	142	2166	80

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UNI-Rep L PN16

Model:

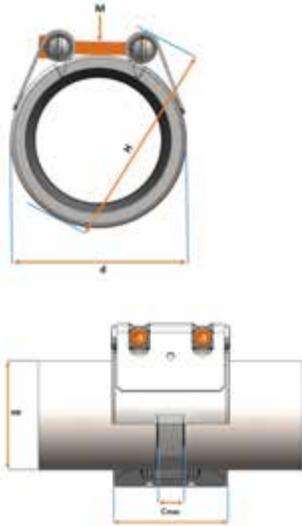
- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

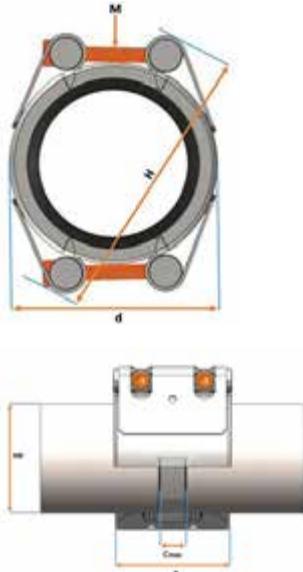
Option:

- Sealing type Viton on request



OD nominal (mm) (mm)	EPDM Code	SP	Weight (kg)	NBR Code
36.0 - 39.0	779 912 005	0	0.4	779 909 005
39.0 - 43.0	779 912 006	0	0.4	779 909 006
43.0 - 47.5	779 912 007	0	0.4	779 909 007
47.5 - 52.5	779 912 008	0	0.4	779 909 008
52.5 - 58.0	779 912 009	0	0.6	779 909 009
58.0 - 64.0	779 912 010	0	0.6	779 909 010
64.0 - 72.0	779 912 011	0	1.0	779 909 011
72.0 - 80.0	779 912 012	0	1.0	779 909 012
80.0 - 88.0	779 912 013	0	1.0	779 909 013
88.0 - 96.0	779 912 014	0	1.0	779 909 014
97.0 - 105.0	779 912 015	0	1.1	779 909 015
104.0 - 112.0	779 912 016	0	1.1	779 909 016
112.0 - 120.0	779 912 017	0	1.2	779 909 017
122.0 - 130.0	779 912 018	0	1.2	779 909 018
129.0 - 137.0	779 912 019	0	2.1	779 909 019
137.0 - 145.0	779 912 020	0	2.2	779 909 020
149.0 - 157.0	779 912 021	0	2.3	779 909 021
157.0 - 165.0	779 912 022	0	2.3	779 909 022
164.0 - 172.0	779 912 023	0	2.4	779 909 023

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
36.0 - 39.0	M8	16	60	15	36.0	39.0	66	60	104	5.0
39.0 - 43.0	M8	16	50	15	39.0	43.0	66	60	104	5.0
43.0 - 47.5	M8	16	50	15	43.0	47.5	74	60	112	5.0
47.5 - 52.5	M8	16	50	15	47.5	52.5	74	60	112	5.0
52.5 - 58.0	M8	16	50	25	52.5	58.0	85	75	125	5.0
58.0 - 64.0	M8	16	40	25	58.0	64.0	85	75	125	5.0
64.0 - 72.0	M10	16	40	30	64.0	72.0	108	95	164	10.0
72.0 - 80.0	M10	16	40	30	72.0	80.0	108	95	164	10.0
80.0 - 88.0	M10	16	35	30	80.0	88.0	124	95	170	10.0
88.0 - 96.0	M10	16	35	30	88.0	96.0	124	95	170	10.0
97.0 - 105.0	M10	16	35	30	97.0	105.0	141	95	187	10.0
104.0 - 112.0	M10	16	35	30	104.0	112.0	141	95	187	10.0
112.0 - 120.0	M10	16	35	30	112.0	120.0	158	95	202	12.5
122.0 - 130.0	M10	16	32	30	122.0	130.0	158	95	202	12.5
129.0 - 137.0	M12	16	32	40	129.0	137.0	178	110	230	20.0
137.0 - 145.0	M12	16	32	40	137.0	145.0	186	110	238	25.0
149.0 - 157.0	M12	16	32	40	149.0	157.0	197	110	249	30.0
157.0 - 165.0	M12	16	32	40	157.0	165.0	205	110	255	30.0
164.0 - 172.0	M12	16	32	40	164.0	172.0	212	110	262	30.0

UNI-Rep S2 PN16**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

OD nominal (mm) (mm)	EPDM Code	SP Code	Weight (kg)	NBR Code
172 - 198	779 964 024	0	7.8	779 962 024
197 - 223	779 964 026	0	8.1	779 962 026
221 - 247	779 964 028	0	8.4	779 962 028
250 - 276	779 964 030	0	8.7	779 962 030
275 - 301	779 964 032	0	10.8	779 962 032
302 - 328	779 964 034	0	11.3	779 962 034
327 - 353	779 964 036	0	11.7	779 962 036
348 - 374	779 964 038	0	16.1	779 962 038
374 - 400	779 964 040	0	16.8	779 962 040
399 - 425	779 964 042	0	17.4	779 962 042
425 - 451	779 964 044	0	18.0	779 962 044
447 - 473	779 964 046	0	18.6	779 962 046
475 - 501	779 964 048	0	19.3	779 962 048
490 - 516	779 964 049	0	19.7	779 962 049
507 - 533	779 964 050	0	20.1	779 962 050
533 - 559	779 964 052	0	20.7	779 962 052
558 - 584	779 964 054	0	21.4	779 962 054
587 - 613	779 964 055	0	22.1	779 962 055
615 - 641	779 964 057	0	22.8	779 962 057
635 - 661	779 964 058	0	23.3	779 962 058
663 - 689	779 964 059	0	24.0	779 962 059
687 - 713	779 964 061	0	24.6	779 962 061
704 - 730	779 964 062	0	25.0	779 962 062
719 - 745	779 964 063	0	25.4	779 962 063

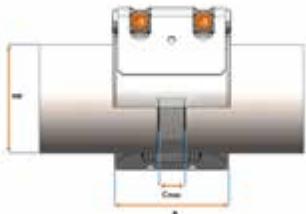
OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min. (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
172 - 198	M12	16	25	40	172	198	236	140	262	30
197 - 223	M12	16	25	40	197	223	261	140	287	30
221 - 247	M12	16	25	40	221	247	285	140	311	30
250 - 276	M12	16	25	40	250	276	314	140	340	30
275 - 301	M16	16	25	40	275	301	339	142	365	30
302 - 328	M16	16	25	40	302	328	366	142	392	30
327 - 353	M16	16	25	40	327	353	391	142	417	50
348 - 374	M16	16	25	40	348	374	412	146	438	50
374 - 400	M16	16	25	40	374	400	438	146	464	50
399 - 425	M16	16	25	40	399	425	463	146	489	50
425 - 451	M16	16	25	40	425	451	489	146	515	50
447 - 473	M16	16	25	40	447	473	511	146	537	50
475 - 501	M16	16	25	40	475	501	539	146	565	50
490 - 516	M16	16	25	40	490	516	554	146	580	50
507 - 533	M16	16	25	40	523	533	575	146	603	60
533 - 559	M16	16	25	40	533	559	601	146	629	60
558 - 584	M16	16	25	40	558	584	626	146	654	60
587 - 613	M16	16	25	40	587	613	655	146	683	60
615 - 641	M16	16	25	40	615	641	683	146	711	70
635 - 661	M16	16	25	40	635	661	703	146	731	70

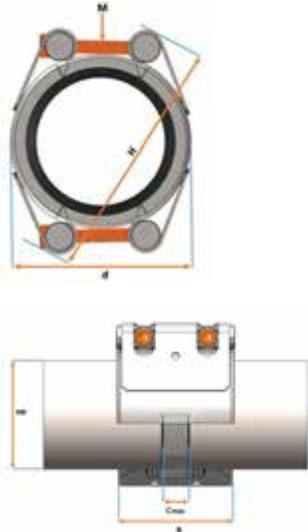
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OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
663 - 689	M16	16	25	40	663	689	731	146	759	70
687 - 713	M16	16	25	40	687	713	755	146	783	70
704 - 730	M16	16	25	40	704	730	772	146	800	70
719 - 745	M16	16	25	40	719	745	787	146	815	70



UNI-Rep S2 PN10**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

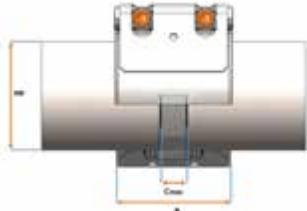
- Sealing type Viton on request

OD nominal (mm) (mm)	EPDM Code	SP Code	Weight (kg)	NBR Code
172 - 198	779 964 124	0	6.4	779 962 124
197 - 223	779 964 126	0	6.6	779 962 126
221 - 247	779 964 128	0	6.8	779 962 128
250 - 276	779 964 130	0	7.0	779 962 130
275 - 301	779 964 132	0	9.0	779 962 132
302 - 328	779 964 134	0	9.4	779 962 134
327 - 353	779 964 136	0	9.7	779 962 136
348 - 374	779 964 138	0	12.0	779 962 138
374 - 400	779 964 140	0	12.4	779 962 140
399 - 425	779 964 142	0	12.8	779 962 142
425 - 451	779 964 144	0	13.2	779 962 144
447 - 473	779 964 146	0	13.6	779 962 146
475 - 501	779 964 148	0	14.1	779 962 148
490 - 516	779 964 149	0	14.3	779 962 149
507 - 533	779 964 150	0	14.6	779 962 150
533 - 559	779 964 152	0	15.0	779 962 152
558 - 584	779 964 154	0	15.4	779 962 154
587 - 613	779 964 155	0	15.9	779 962 155
615 - 641	779 964 157	0	16.3	779 962 157
635 - 661	779 964 158	0	16.6	779 962 158
663 - 689	779 964 159	0	17.1	779 962 159
687 - 713	779 964 161	0	17.5	779 962 161
704 - 730	779 964 162	0	17.7	779 962 162
719 - 745	779 964 163	0	18.0	779 962 163

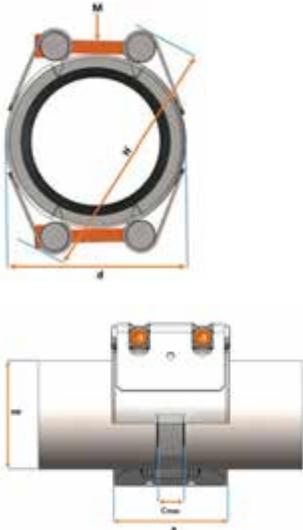
OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
172 - 198	M12	10	16	40	172	198	236	138	262	30
197 - 223	M12	10	16	40	197	223	261	138	287	30
221 - 247	M12	10	16	40	221	247	285	138	311	30
250 - 276	M12	10	16	40	250	276	314	138	340	30
275 - 301	M12	10	16	40	275	301	339	140	365	30
302 - 328	M12	10	16	40	302	328	366	140	392	30
327 - 353	M12	10	16	40	327	353	391	140	417	40
348 - 374	M12	10	16	40	348	374	412	142	438	40
374 - 400	M12	10	16	40	374	400	438	142	464	40
399 - 425	M12	10	16	40	399	425	463	142	489	40
425 - 451	M12	10	16	40	425	451	489	142	515	40
447 - 473	M12	10	16	40	447	473	511	142	537	40
475 - 501	M12	10	16	40	475	501	539	142	565	40
490 - 516	M12	10	16	40	490	516	554	142	580	40
507 - 533	M16	10	16	40	507	533	575	142	603	50
533 - 559	M16	10	16	40	533	559	601	142	629	50
558 - 584	M16	10	16	40	558	584	626	142	654	50
587 - 613	M16	10	16	40	587	613	655	142	683	50
615 - 641	M16	10	16	40	615	641	683	142	711	60
635 - 661	M16	10	16	40	635	661	703	142	731	60

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OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max. (mm)	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
663 - 689	M16	10	16	40	663	689	731	142	759	60
687 - 713	M16	10	16	40	687	713	755	142	783	60
704 - 730	M16	10	16	40	704	730	772	142	800	60
719 - 745	M16	10	16	40	719	745	787	142	815	60

UNI-Rep S2 PN6**Model:**

- Housing, Bars and Strip insert (option): Stainless Steel W5 (1.4571) Quality

Temperature/Pressure:

- Operating temperature EPDM: -30°C to 125°C
- Operating temperature NBR: -20°C to 80°C

Option:

- Sealing type Viton on request

OD nominal (mm) (mm)	EPDM Code	SP Code	Weight (kg)	NBR Code
264 - 290	779 964 231	0	7.1	779 962 231
275 - 301	779 964 232	0	7.2	779 962 232
302 - 328	779 964 234	0	7.4	779 962 234
327 - 353	779 964 236	0	7.6	779 962 236
348 - 374	779 964 238	0	7.8	779 962 238
374 - 400	779 964 240	0	8.0	779 962 240
399 - 425	779 964 242	0	8.2	779 962 242
425 - 451	779 964 244	0	8.4	779 962 244
447 - 473	779 964 246	0	8.6	779 962 246
475 - 501	779 964 248	0	8.8	779 962 248
490 - 516	779 964 249	0	8.9	779 962 249
507 - 533	779 964 250	0	11.8	779 962 250
533 - 559	779 964 252	0	12.2	779 962 252
558 - 584	779 964 254	0	12.5	779 962 254
587 - 613	779 964 255	0	12.8	779 962 255
615 - 641	779 964 257	0	13.2	779 962 257
635 - 661	779 964 258	0	13.4	779 962 258
663 - 689	779 964 259	0	13.7	779 962 259
687 - 713	779 964 261	0	14.0	779 962 261
704 - 730	779 964 262	0	14.2	779 962 262
719 - 745	779 964 263	0	14.4	779 962 263

OD nominal (mm) (mm)	M	PN (bar)	WP (bar)	C max.	OD min (mm)	OD max. (mm)	d (mm)	B (mm)	H (mm)	Torque (N/m)
264 - 290	M12	6	10	40	264	290	328	138	354	30
275 - 301	M12	6	10	40	275	301	339	138	365	30
302 - 328	M12	6	10	40	302	328	366	138	392	30
327 - 353	M12	6	10	40	327	353	391	138	417	40
348 - 374	M12	6	10	40	348	374	412	138	438	40
374 - 400	M12	6	10	40	374	400	438	138	464	40
399 - 425	M12	6	10	40	399	425	463	138	489	40
425 - 451	M12	6	10	40	425	451	489	138	515	40
447 - 473	M12	6	10	40	447	473	511	138	537	40
475 - 501	M12	6	10	40	475	501	539	138	565	40
490 - 516	M12	6	10	40	490	516	554	138	580	40
507 - 533	M12	6	10	40	507	533	575	140	603	50
533 - 559	M12	6	10	40	533	559	601	140	629	50
558 - 584	M12	6	10	40	558	584	626	140	654	50
587 - 613	M12	6	10	40	587	613	655	140	683	50
615 - 641	M12	6	10	40	615	641	683	140	711	60
635 - 661	M12	6	10	40	635	661	703	140	731	60
663 - 689	M12	6	10	40	663	689	731	140	759	60
687 - 713	M12	6	10	40	687	713	755	140	783	60
704 - 730	M12	6	10	40	704	730	772	140	800	60
719 - 745	M12	6	10	40	719	745	787	140	815	60

Stützhülsen

PF 1 54 323



Insert stiffener Economy for UNI-Coupling - VG-D

Model:

- Suitable for PE, PP and PB pipes
- Stainless steel A2 quality (AISI 304)
- For pipe sizes > d355 use an insert stiffener with wedge
- Other dimensions available on request

d x e (mm)	SDR	Code	Weight (kg)	L (mm)
40 x 3,7	11.0	709 026 391	0.200	100
40 x 2,3	17.6 / 17.0	709 026 392	0.200	100
50 x 4,6	11.0	709 026 203	0.095	100
50 x 2,9	17.6 / 17.0	709 026 206	0.102	100
63 x 5,8	11.0	709 026 211	0.121	100
63 x 3,6	17.6 / 17.0	709 026 214	0.132	100
75 x 6,8	11.0	709 026 220	0.152	100
75 x 4,3	17.6 / 17.0	709 026 223	0.158	100
90 x 8,2	11.0	709 026 230	0.210	120
90 x 5,2	17.6 / 17.0	709 026 233	0.227	120
110 x 10,0	11.0	709 026 242	0.257	120
110 x 6,3	17.6 / 17.0	709 026 245	0.279	120
125 x 11,4	11.0	709 026 254	0.293	120
125 x 7,2	17.6 / 17.0	709 026 257	0.317	120
140 x 12,7	11.0	709 026 266	0.383	140
140 x 8,0	17.6 / 17.0	709 026 269	0.416	140
160 x 14,6	11.0	709 026 278	0.655	140
160 x 9,1	17.6 / 17.0	709 026 281	0.711	140
180 x 16,4	11.0	709 026 290	0.739	140
180 x 10,7	17.0	709 026 408	0.801	140
180 x 10,3	17.6	709 026 293	0.804	140
200 x 18,2	11.0	709 026 302	0.940	160
200 x 11,9	17.0	709 026 409	1.018	160
200 x 11,4	17.6	709 026 305	1.024	160
225 x 20,5	11.0	709 026 314	1.060	160
225 x 13,4	17.0	709 026 410	1.146	160
225 x 12,8	17.6	709 026 317	1.155	160
250 x 22,8	11.0	709 026 326	1.567	160
250 x 14,8	17.0	709 026 411	1.697	160
250 x 14,3	17.6	709 026 329	1.705	160
280 x 25,5	11.0	709 026 338	1.760	160
280 x 16,6	17.0	709 026 340	1.904	160
280 x 16,0	17.6	709 026 341	1.914	160
315 x 28,7	11.0	709 026 350	1.979	160
315 x 18,7	17.0	709 026 413	2.144	160
315 x 17,9	17.6	709 026 353	2.157	160
355 x 32,3	11.0	709 026 362	2.324	160
355 x 21,1	17.0	709 026 414	2.416	160
355 x 20,2	17.6	709 026 365	2.431	160



Insert stiffener with wedge for UNI-Coupling - VG-D

Model:

- Suitable for PE, PP and PB pipes
- Stainless steel A2 quality (AISI 304)
- Other dimensions available on request

d x e	SDR	Code	Weight (kg)	L (mm)
370 x 35.0	11.0	709 026 133	1.000	225
400 x 22.7	17.6	709 026 139	2.561	225
400 x 36.4	11.0	709 026 138	1.000	225
450 x 25.5	17.6	709 026 149	1.000	225
450 x 41.0	11.0	709 026 148	3.350	225
500 x 28.3	17.6	709 026 159	0.360	225
500 x 45.5	11.0	709 026 158	1.000	225
560 x 31.7	17.6	709 026 169	3.900	225
560 x 51.0	11.0	709 026 168	1.000	225
630 x 35.7	17.6	709 026 179	4.789	225
630 x 57.3	11.0	709 026 178	4.470	225
710 x 40.2	17.6	709 026 189	1.000	225
710 x 64.5	11.0	709 026 188	1.000	225
800 x 45.3	17.6	709 026 199	1.000	225
800 x 72.7	11.0	709 026 198	1.000	225
900 x 51.2	17.6	709 026 183	1.070	225
900 x 81.8	11.0	709 026 182	1.070	225
1000 x 56.8	17.6	709 026 191	1.150	225
1000 x 90.9	11.0	709 026 192	1.070	225
1200 x 109.1	11.0	709 026 184	1.070	225
1400 x 79.6	17.6	709 026 187	1.070	225
1400 x 127.3	11.0	709 026 186	1.070	225
1600 x 90.9	17.6	709 026 196	1.070	225
1600 x 145.5	11.0	709 026 195	1.070	225



Insert stiffener with wedge for PVC pipes SDR21 - VG-D

Model:

- Stainless steel A2 quality (AISI 304), optional A4 quality (AISI 316)

d x e	PN (mm)	Code
50 x 2.4	10	709 026 207
75 x 3.6	10	709 026 027
63 x 3.0	10	709 026 019
90 x 4.3	10	709 026 039
110 x 5.3	10	709 026 049
125 x 6.0	10	709 026 058
140 x 6.7	10	709 026 067
160 x 7.7	10	709 026 079
180 x 8.6	10	709 026 088
200 x 9.6	10	709 026 094
225 x 10.8	10	709 026 101
250 x 11.9	10	709 026 105
280 x 13.4	10	709 026 145
315 x 15.0	10	709 026 123

Insert stiffener with wedge for PVC pipes SDR13,5 - VG-D**Model:**

- Stainless steel A2 quality (AISI 304), optional A4 quality (AISI 316)

d x e (mm)	PN (bar)	Code
63 x 4.7	16	709 026 015
75 x 5.6	16	709 026 024
90 x 6.7	16	709 026 035
110 x 8.2	16	709 026 045
125 x 9.3	16	709 026 054
140 x 10.4	16	709 026 063
160 x 11.9	16	709 026 074

Accessories

PF 1 D1 A95



UNI-Fire Ø 21 - 223 mm Fire Protective Housing

suitable for any type of coupling

Transforms regular couplings into fire protective couplings

- Other dimensions available on request

Model:

- Stainless steel 1.4571 (W5) quality

Code	Weight (kg)	d (mm)	OD min (mm)	OD max. (mm)	B (mm)	H (mm)
779 773 001	0.1	61	21.0	29.0	95	91
779 773 002	0.1	69	29.0	36.0	95	99
779 773 003	0.2	81	36.0	43.0	110	119
779 773 004	0.2	89	43.0	52.5	110	127
779 773 005	0.3	100	52.5	64.0	125	140
779 773 006	0.5	123	64.0	80.0	145	179
779 773 007	0.6	139	80.0	97.0	145	185
779 773 008	0.6	156	97.0	113.0	145	202
779 773 009	0.7	173	113.0	130.0	145	217
779 773 010	0.9	193	130.0	138.0	160	245
779 773 011	0.9	201	138.0	149.0	160	253
779 773 012	8.3	212	149.0	157.0	160	264
779 773 013	1.0	220	157.0	164.0	160	270
779 773 014	1.0	227	164.0	213.0	160	277
779 773 015	1.0	276	213.0	223.0	190	302

PF 1 D1 A94

Fitting Plier

Mode of action:

- For convenient assembling of the UNI-Rep couplings we recommend to use a plier
- The plier uses the bores in the housing in order to close the coupling
- In case of bigger diameter (>300mm) use a fitting belt

Code	Weight (kg)	OD min (mm)	OD max. (mm)
779 245 000	1.5	36	238



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709 026 024	80	709 026 305	78	779 721 415	42	779 729 012	50
709 026 027	79	709 026 314	78	779 721 416	42	779 729 014	50
709 026 035	80	709 026 317	78	779 721 417	42	779 729 016	50
709 026 039	79	709 026 326	78	779 721 418	42	779 729 018	50
709 026 045	80	709 026 329	78	779 721 419	42	779 729 020	50
709 026 049	79	709 026 338	78	779 721 420	42	779 729 022	50
709 026 054	80	709 026 340	78	779 721 421	42	779 732 006	50
709 026 058	79	709 026 341	78	779 721 422	42	779 732 008	50
709 026 063	80	709 026 350	78	779 721 423	42	779 732 010	50
709 026 067	79	709 026 353	78	779 721 924	55	779 732 012	50
709 026 074	80	709 026 362	78	779 721 925	55	779 732 014	50
709 026 079	79	709 026 365	78	779 721 926	55	779 732 016	50
709 026 088	79	709 026 391	78	779 721 927	55	779 732 018	50
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709 026 101	79	709 026 408	78	779 721 929	55	779 732 022	50
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709 026 178	79	779 709 032	51	779 724 012	41	779 739 025	52
709 026 179	79	779 712 024	51	779 724 013	41	779 739 027	52
709 026 182	79	779 712 025	51	779 724 014	41	779 739 029	52
709 026 183	79	779 712 027	51	779 724 015	41	779 739 030	52
709 026 184	79	779 712 029	51	779 724 016	41	779 739 031	52
709 026 186	79	779 712 030	51	779 724 017	41	779 739 032	52
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779 760 930	57	779 762 236	46	779 764 017	43	779 764 340	48
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779 809 006	58	779 862 045	60	779 862 160	63	779 862 270	68
779 809 007	58	779 862 046	60	779 862 161	63	779 862 271	68
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779 809 009	58	779 862 048	60	779 862 163	63	779 862 273	68
779 809 010	58	779 862 049	60	779 862 164	65	779 862 274	68
779 809 011	58	779 862 050	60	779 862 165	65	779 862 275	68
779 809 012	58	779 862 051	60	779 862 166	65	779 862 276	68
779 809 013	58	779 862 052	60	779 862 167	65	779 862 277	68
779 809 014	58	779 862 053	60	779 862 168	65	779 862 278	68
779 809 015	58	779 862 054	60	779 862 169	65	779 862 279	68
779 809 016	58	779 862 055	60	779 862 170	65	779 862 280	68
779 809 017	58	779 862 056	60	779 862 171	65	779 862 281	68
779 809 018	58	779 862 057	60	779 862 172	65	779 862 282	68
779 809 019	58	779 862 058	60	779 862 173	65	779 862 283	68
779 809 020	58	779 862 059	60	779 862 174	65	779 862 350	69
779 809 021	58	779 862 060	60	779 862 175	65	779 862 351	69
779 809 022	58	779 862 061	60	779 862 176	65	779 862 352	69
779 809 023	58	779 862 062	60	779 862 177	65	779 862 353	69
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779 812 004	58	779 862 066	62	779 862 181	65	779 862 357	69
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Checklist

for information request

Criteria:

Employed pipe materials acc. DIN / AISI

Strength of the pipe materials to be joined

Pipe outside diameters (OD)

Wall thickness

Working pressure

Test pressure

Connecting technique used

Medium to be conveyed

Temperature of medium in °C, min./max.

Surrounding medium

Surrounding temperature

Pipe laying (open, in shaft or buried)

Type approval desired

Estimated quantity of joints

Notes

Notes

Notes



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