



MÜCHER DICHTUNGEN®



TECHNICAL BROCHURE
CIVILS



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Mücher Dichtungen is part of the California based worldwide Mission Rubber group of companies; **the originators of the rubber flexible coupling over 60 years ago.**

Since 1955 Mücher is developing, manufacturing and distributing couplings and seals for all pipe materials used in the low pressure civils and drainage industry. In general Mücher products are used when two pipes with both different diameters and materials need jointing. This requires a custom-made consulting to find a reliable long-term solution.

Whereas Mücher's core business used to be in the civils and drainage industry only, nowadays the business fields have been extended and include both plumbing and industry.

Due to working closely with various pipe manufactures, combined with the long-term presence on the European market place a product range has been formed that offers a reliable and permanent solution for almost any possible application. Especially the sealing technologies for repair solutions require a wide knowledge and expertise for all the different pipe materials and connection systems.

The heart of our manufacturing is the area of customized solutions where Mücher with its 60 year's experience is always identifying the right sealing system, is manufacturing the correct solution and is then supplying to site on time.



The majority of the product range is manufactured at the European headquarters in Frechen, near Cologne. Customized solutions for the UK market are also manufactured at Mücher's Sheffield based daughter company. Mücher and its distributors are present in over 30 different countries.

Together with its customers Mücher is permanently developing new and innovative products for below and above ground applications. Mücher's products are known for their high quality, for being easy to install and for solving problems on site. A good example of a new product development is the Multi-Flexible-Coupling GENIUS.

New product developments are tested in Mücher's own test laboratory against all requirements resulting from the relevant standard. Any new developed seal will run through both material and functional tests. Before any product launch the new developed seal will be tested on live sites to ensure it fulfills all requirements and ease of installation on site. Therefore it is assured that only products that meet the high Mücher quality standard will exit our factory.

Since 1993 Mücher has ran a quality management system and is certified to DIN EN ISO 9001:2008.



THE MÜCHER-COMMITMENT SUMMARIZES THE KEY COMPETENCE OF THE COMPANY.



CONSULTING



DELIVERY



INNOVATION



AVAILABILITY



SECURITY

CONSULTING

You can trust us – we are consulting you the right way! Both commercial and technical consulting have got the highest priority for Mücher. It is our ambition to offer solutions to our customers that are both technically reliable and commercially sustainable. The competence of our Sales & Technical team is outstanding and will continue to develop through training courses and further education.

The guideline to improve our support and consulting further is described in our quality management system according to DIN EN ISO 9001:2008 which was launched over 20 years ago.

DELIVERY

Ordered a.m. – supplied next day! Any a.m. incoming standard sized orders can be supplied next day either for stock or directly to site. Our operational processes from consulting to supplying is completed within a short period of time.

INNOVATION

Our innovations help improving problems on site! It is our companies aim to develop new products and to improve and further develop the existing range of products through rivaling new and innovative technologies. A good example is the initial launch of the TOX®-Technology to the sewerage industry. The TOX®-Technology eliminates the corrosion of the stainless steel components and increases the life circle.

AVAILABILITY

100% availability creates confidence! Our entire product range is stocked in bulk. This includes both core range items with a high turn around as well as special items with a lower demand. The manufacturing department is the heart of our company. **This is where we manufacture bespoke made large standard couplings and bushes on special customer demands and on time.**

Our 100% availability and delivery capacity allows us to offer a proper solution for almost any problem within the sewerage industry.

SECURITY

On the safe side with Mücher!

All our products comply with and exceed the requirements of the latest DIN and European standards as well as national and international approvals. If it says MÜCHER you can depend on a safe installation process for the installer.

The European Technical Approval ETA-09/0248 assumes a **life circle for Mücher couplings of 50 years, providing proper packaging, stocking and installation.**

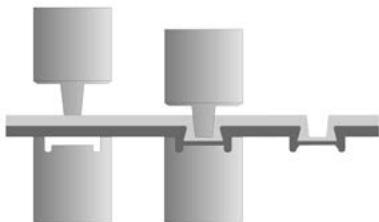


INNOVATION

Couplings and other Mücher joints and rings are constantly developed further, both in product design and material. They are characterised by quality, long-life cycle and user friendliness. **Our innovations are in the detail!**

TOX®-TECHNOLOGY

Traditional shear band fabrication entails spot welding of clamps to the shear band. Whereas with TOX®-TECHNOLOGY heat created during the welding process actually burns the stainless steel. The composition of the stainless steel is attached and intercrystalline corrosion can result at the welding points.

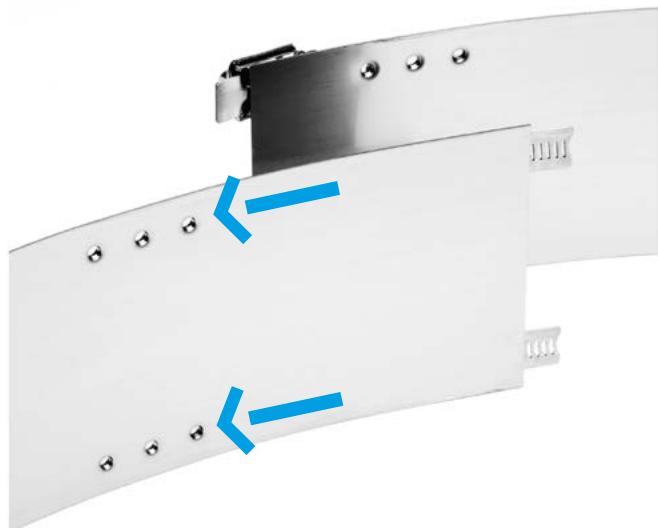
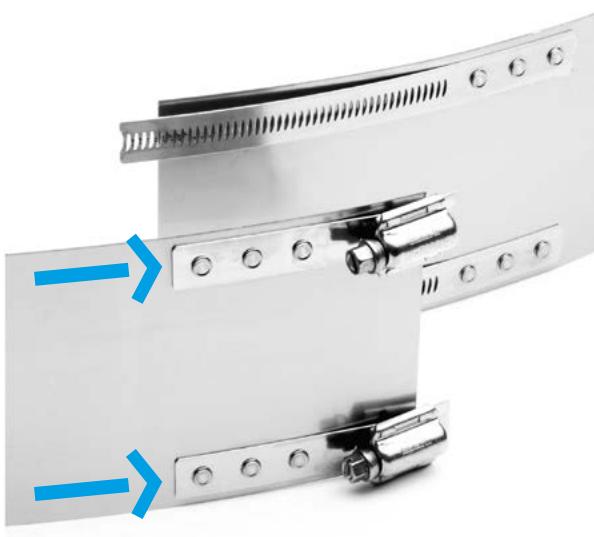


The shear bands on Mücher couplings incorporate the latest in stainless steel fastening techniques:

TOX®-TECHNOLOGY (Clinching process, no spot welds)

The negative aspects associated with spot welding are eliminated in this advance process, yet the bond meets or exceeds all relevant tensile strength and shear requirements.

| Properties | TOX®-Point | Spot Weld |
|------------------------------------|------------|----------------|
| Corrosion | none | yes |
| Structural Change | none | yes |
| Dynamic Resilience | excellent | not perfect |
| Static Resilience | good | excellent |
| Energy Input | minimal | extremely high |
| Environment friendly manufacturing | excellent | bad (steams) |



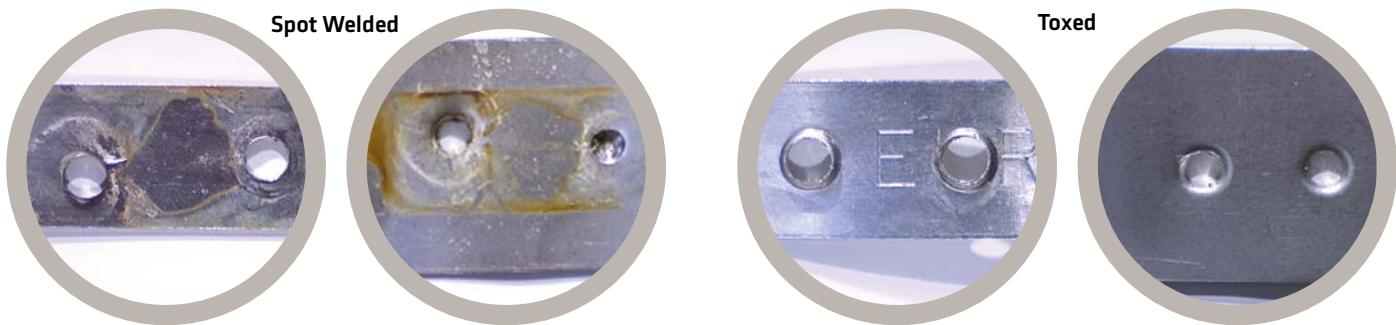


SALT SPRAY TEST SHOWS DIFFERENT CORROSION RESISTANCES

In a salt spray test according to DIN 50 021 SS (neutral) the different corrosion resistances of spot welded and toxed connection were compared.

Test Certificate No. 22000197 MPA NRW

After only a few days a clear corrosion was visible on the spot welded test blocks.
The toxed (clinched) stainless steel bands did not show any corrosion after 504 hours (test ended after 3 weeks).



ADVANCED BOLTING SYSTEM

All of Mücher's large diameter couplings (from MSC 635) and all extra wide couplings are fitted with the all new patent registered advanced bolting system. Choosing the right clamp type (hi-torque, medium duty or bolted) and applying the right tightening torque is essential for large diameter couplings.

The bolting system is manufactured from stainless steel grade 1.4401 (AISI 316). It is positioned on the EPDM rubber sleeve and ensures the necessary compression to form a permanently sealed joint.



The purpose of this new development is to make the installation of the coupling to the pipe considerably quicker and much easier. The new bolting system has been engineered so that the sledge runs through the header casing, eliminating any protrusion of the bolt head.

This enables the installer to use a standard 13mm socket wrench which will reduce installation time by more than 50%.

Compared to other bolting systems, the advanced Mission bolting systems offers the following advantages:

- Even better sealing performance by wider clamps
- Easier installation by sledge system running through header
- Twice as quick to install than standard systems
- No special tools required, just use a standard 13 mm socket wrench
- Less risk of injury, therefore more health and safety conscious



„LOCK IN PLACE“ RUBBER PROFILE

Mücher rubber sleeves are fitted with a unique rubber profile. The “lock in place” profile made from EPDM rubber ensures that the clamps and shear band are properly positioned on the sleeve and remain firmly in place during transit, stocking or installation on site.

The necessary compression of the rubber sleeve can only be guaranteed by a proper positioning of the stainless steel components.

Furthermore to the external based “lock in place” profile, the internal based sealing lines achieve a better sealing effect. Through the stepped sealing lines, additional EPDM sealing material can be compressed. This is of special advantage for sewerage pipes with a rough surface such as concrete pipes.





STAINLESS STEELS

Stainless steel refers to a range of iron based alloys which rely on their chromium content for resistance to corrosion. Research in a number of countries worldwide has shown that in normal soils austenitic stainless steel with a 17% chromium and 9% nickel content gives satisfactory performance, with a design life in excess of 100 years.

Whereas in poorly drained gravels, industrial or colliery spoil and in cases where the ground or groundwater contains chlorides (exceeding 1000 ppm) pitting of the steel can occur. In these circumstances the application of a protective wrapping such as "Denso tape" will give adequate protection. Alternatively, in these circumstances an austenitic stainless steel containing molybdenum (minimum 2%) will give better corrosion resistance without the need for additional protection.

Mücher supplies two grades of austenitic stainless steel to suit either normal conditions or conditions when additional corrosion resistance is required.

For use in normal conditions Mücher's standard products use components manufactured from grade 1.4301 (AISI 304) austenitic stainless steel to DIN EN 10088-2.

For those conditions requiring higher corrosion resistance then components manufactured from grade 1.4401 (AISI 316) austenitic stainless steel to DIN EN 10088-2 is available, too. This grade contains 2% molybdenum and is especially suitable for marine environments.

| DIN EN 100 88 | Trade Name | International Term | COMPOUNDS-% | | | |
|---------------|------------|--------------------|-------------|---------------|-------------|-----------------|
| | | | Carbon (C) | Chromium (Cr) | Nickel (Ni) | Molybdenum (Mo) |
| 1.4301 | V2A | BS 304 / AISI 304 | ≤ 0,07 | 17,0-19,0 | 8,5-10,5 | - |
| alternatively | | | | | | |
| 1.4307 | V2A | BS 304 / AISI 304 | ≤ 0,03 | 17,5-19,5 | 8,0-10,0 | - |
| 1.4303 | V2A | BS 304 / AISI 304 | ≤ 0,01 | 17,0-19,0 | 11,0-13,0 | - |
| 1.4567 | V2A | BS 304 / AISI 304 | ≤ 0,04 | 17,0-19,0 | 8,5-10,5 | - |
| | | | | | | |
| 1.4404 | V4A | BS 316 / AISI 316 | ≤ 0,03 | 16,5-18,5 | 10,0-13,0 | 2,0-2,5 |
| alternatively | | | | | | |
| 1.4401 | V4A | BS 316 / AISI 316 | ≤ 0,08 | 16,5-18,5 | 10,5-13,5 | 2,0-2,5 |
| 1.4571 | V4A | BS 316 / AISI 316 | ≤ 0,08 | 16,5-18,5 | 10,5-13,5 | 2,0-2,5 |

The welding of stainless steel requires special competence and care as the steel can potentially corrode, resulting in an intercrystalline attack.

Since 2001 Mücher successfully applies the TOX®-Technology which makes corrosion almost impossible.



CAOUTCHOUC ELASTOMERS

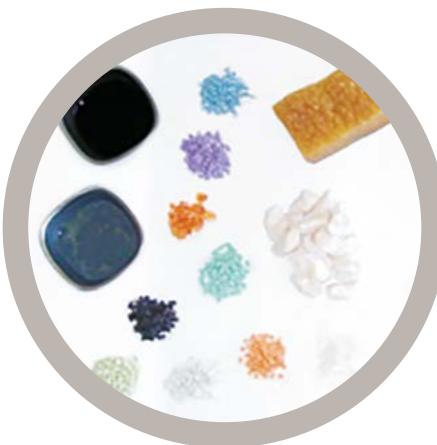
Rubber is a very flexible and elastic material with a high restoring force. In the technical application this material is officially named elastomer.

The raw materials are natural or synthetic elastomers. A rubber mixture contains different additives. Through addition of heat, rubber becomes vulcanised. This process enables the elasticity of rubber. Deformation within the elastic range can be repeated limitless times without the change of the initial shape. As soon as the deformation forces are released, the elastomer returns back into its initial shape.

Elastomers are resistant against many acids, leaches and aromatic hydrocarbons which appear in the private, public and industrial sewage. For the sealing technology it is important to estimate this resistance, knowing the conditions of the joint such as the concentration of the medium, temperature, pressure as well as the static and dynamic strains.

The ideal elastomer material which is resistant to all gases and fluids does not exist yet. It is necessary to select the material which is the most suitable to meet the requirements demanded.

The most common elastomer types used in the sewage technology are EPDM, SBR, NBR, NR, IIR and IR which all meet the current standards, such as DIN 4060 and DIN EN 681.



RESISTANCE OF ELASTOMERS

The following listed values are for guidance only. The values and characteristics cannot generally be transferred to all operating conditions.

| PROPERTIES | EPDM | SBR | NBR | NR | IIR | IR |
|----------------------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|
| Ozone Resistance | 1 | 4 | 4 | 4 | 2 | 4 |
| Oil Resistance | 4 | 5 | 2 | 6 | 6 | 6 |
| Fuel Resistance | 5 | 6 | 2 | 6 | 6 | 6 |
| Acid Resistance | 1 | 3 | 4 | 3 | 2 | 3 |
| Leach Resistance | 1 | 3 | 4 | 3 | 2 | 3 |
| Gas Permeability | 4 | 4 | 2 | 5 | 1 | 5 |
| Electric Resistance | 2 | 2 | 5 | 1 | 2 | 1 |
| Rebound Resilience | 3 | 3 | 3 | 2 | 6 | 2 |
| Tear Strength | 3 | 2 | 2 | 1 | 2 | 1 |
| Temperature Resistance | -40° to + 120°C | -40° to + 80°C | -30° to + 100°C | -40° to + 80°C | -30° to + 120°C | -30° to + 120°C |
| Temporary max. Temperature | + 160°C | + 130°C | + 130°C | + 130°C | + 180°C | + 160°C |

1 = excellent 2 = good 3 = satisfactory 4 = sufficient 5 = poor 6 = fail



SHORT DISCRIPTION OF CAOUTCHOUC TYPES

EPDM (Ethylene – Propylene – Diene – Monomer)

Contains extraordinary resistance to oxygen, ozone and further atmospheric influences.
UV-light resistant.

SBR (Styrene Butadiene Rubber)

One of the major synthetic rubbers with similar properties as natural rubber (NR). Compared to NR the abrasion resistance of SBR is superior but with an associated deterioration of the elasticity.

NBR (Acrylonitrile Butadiene Rubber)

The basis for NBR is a mixture of acrylonitrile and butadiene. The higher the acryl percentage, the better the resistance against mineral oils and fuels but with an associated deterioration of the elasticity and the cold flexibility.

NR (Natural Rubber)

The raw material is latex milk, extracted from caoutchouc trees. Unlike several synthetic rubbers, NR particularly possesses excellent elastic qualities.

IIR (Butyl Rubber)

Butyl is a mixture of polymer, isobutylene and approximately 3% isoprene. It has excellent aging - and weathering resistances as well as very low gas permeability.

IR (Isoprene Rubber)

Excellent elasticity and good electric resistance. Suits well for cut-offs with other caoutchouc types.



QUALITY MANAGEMENT SYSTEM, CE-MARKING

Since 1993 Mücher's quality management system according to DIN EN ISO 9001:2008 is the guideline for manufacturing, product development, sales and distribution. Developing the quality management system further is one of Mücher's strategic aims.

The compliance of Mücher products with all EU standards and approvals allows Mücher to CE-mark its products. With the CE-marking, Mücher declares that all products meet the requirements of the following standards both for functional and material requirements:



EUROPEAN STANDARD

DIN EN 16397

Since January 2015 flexible couplings have been standardized for the first time ever in the DIN EN 16397. Until 2014 couplings with and without shear band were only standardized in the DIN EN 295-4 when used with clay pipes.

The scope of application has now sizably extended to the following:

- Couplings can be used for all pipe materials for non-pressure drainage and sewage systems
- For above and below ground applications
- For installation inside and outside of buildings
- For repair purposes and connecting of different pipe systems

The new European Standard for flexible couplings is defined into two parts:

Part 1: Performance requirements, DIN EN 16397-1

Part 2: Characteristics and testing for metal banded flexible couplings, adaptors and bushes, DIN EN 16397-2

As all relevant pipe standards and technical regulations have been included in the new standard, the scope of testing has considerably increased. Mücher secures its high product quality and the compliance with the standards by external testing at MPA (Materialprüfungsamt) in Dortmund, as well as by internal tests in the Mücher test laboratory. **Therefore Mücher is able to proof test results and compliances although the external quality control is no longer obligatory.**



CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

Mücher Dichtungen GmbH & Co. KG
Europaallee 43, 50226 Frechen
Germany

has been approved by Lloyd's Register Quality Assurance to the following Quality Management System Standards:

DIN EN ISO 9001:2008

The Quality Management System is applicable to:

**Development, manufacturing and distribution for
sealings in gravity sewerage and sanitary application.**

Approval
Certificate No: KLN 4000182

Original Approval: 11 February 1999

Current Certificate: 28 January 2016

Certificate Expiry: 14 September 2018

Issued by: Lloyd's Register Quality Assurance GmbH
For and on behalf of: Lloyd's Register Quality Assurance Limited



Innere Kanalstr. 15, 50823 Köln, Germany, Handelsregister Nr. B 34587

For and on behalf of 1 Trinity Park, Bickenhill Lane, Birmingham, B37 7HS, United Kingdom



EUROPEAN TECHNICAL APPROVAL

The European Technical Approval ETA-09/0248 has got the second highest standing after a European harmonized standard.

Canada Plus Type 2B Standard Couplings, Bushes, Adaptor Couplings MAC, as well as Drain Couplings MDC have been approved on a European level for applications below and above ground for both buried and non-buried pipes of all materials.



The EOTA (European organization for technical approvals) is based in Brussels and has developed this approval in partnership with the French CSTB (Centre Scientifique et Technique du Bâtiment).

27 European testing boards accepted and validated the European Technical Approval ETA-09/0248 for their domestic markets.

| | |
|---|--|
| <p>Centre Scientifique et Technique du Bâtiment 84 avenue Jean Jaurès Champs sur Marne F-77447 Marne-la-Vallée Cedex 2 Tel : (33) 01 64 68 82 82 Fax : (33) 01 60 05 70 37</p> <p style="text-align: center;">CSTB le futur en construction MEMBRE DE L'EOATA</p> <p style="text-align: center;">* * * Autorisé et appliquant à l'article 10 de la directive 89/106/EEC du Conseil, du 21 décembre 1989, relative au renforcement des dispositions législatives, réglementaires et administratives des Etats membres concernant les produits de construction. * * *</p> | |
| Agrement Technique Européen ETA-09/0248 <small>(English language translation, the original version is in french language)</small> | |
| <p>Trade names: Noms commerciaux :</p> <p>Holder of approval: Titulaire :</p> <p>Generic type and use of construction product: Type générique et utilisation prévue du produit de construction :</p> <p>Validity from / to: Validité du : au :</p> <p>Manufacturing plant : Usines de fabrication :</p> <p>Le présent Agrément technique européen contient : This European Technical Approval contains:</p> | <p>- FLEX-SEAL Plus (NORHAM Company) - CANADA Plus (MÜCHER DICHTUNGEN GMBH & CO KG)</p> <p>Société NORHAM ZA Les Druisieux F-26260 Saint-Donat-sur-l'Herbasse</p> <p>Elastomeric flexible couplings, with an eventually stainless steel shear band used to assembly sewer or drainage pipe. Raccords flexibles en élastomère, éventuellement pourvus d'une bande de renfort en acier inoxydable, destinés à assembler différents types de canalisations d'assainissement.</p> <p>15 January 2013 15 January 2018</p> <p>- Société NORHAM ZA Les Druisieux F-26260 Saint-Donat-sur-l'Herbasse - MÜCHER DICHTUNGEN GMBH & CO KG Saalestrasse D-58256 Ennepetal</p> <p>14 pages including 4 annexes which form an integral part of the document. 14 pages incluant 4 annexes faisant partie intégrante du document.</p> |
| <small>Organisation pour l'Agrément Technique Européen European Organisation for Technical Approvals</small> | |

All testing boards mentioned below are members of the EOTA.

| EOATA MEMBERS | | EOATA MEMBERS | |
|----------------|--|-----------------|---|
| Austria : | ÖSTERREICHISCHES INSTITUT FÜR BAUTECHNIK (OIB) | Latvia | ETA-Latvia Building Department of the Ministry of Economics |
| Belgium | UNION BELGE POUR L'AGREMENT TECHNIQUE DANS LA CONSTRUCTION (UBAtc) asbl - BELGISCHE UNIE VOOR DE TECHNISCHE GOEDEKEURING IN DE BOUW (BUGb) vzw | Lithuania | Statybos Produkijos Sertifikavimo Centras (SPSC) SE Certification Centre of Building Products |
| Cyprus | CENTRAL LABORATORY - PUBLIC WORKS DEPARTMENT | Luxemburg | LABORATOIRE DES PONTS ET CHAUSSÉES |
| Czech Republic | Technicky a zkusebni ustav stavebni Praha, s.p. (TZUS) Technical and Test Institute for Construction | Netherlands | STICHTING BOUWKwaliteit (SBK) |
| Denmark | ETA-DANMARK A/S | Norway | SINTEF Building and Infrastructure (SINTEF) |
| Estonia | Tallinna Tehnikaülikool Tallinn University of Technology (TUT) | Poland | Institut Techniki Budowlanej (ITB) |
| Finland | VTT Expert Services Oy | Portugal | LABORATORIO NACIONAL DE ENGENHARIA CIVIL (LNEC) |
| France | CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT (CSTB) | Slovak Republic | Technicky a Skúšobny Ustav Stavebny (TSUS) Building Testing & Research Institute |
| Germany | DEUTSCHES INSTITUT FÜR BAUTECHNIK (DIBT) | Slovenia | ZAVOD ZA GRADBENIŠTVO SLOVENIJE (ZAG) |
| Greece | HELLENIC ORGANIZATION FOR STANDARDISATION (ELOT) | Spain | INSTITUTO DE CIENCIAS DE LA CONSTRUCCIÓN EDUARDO TORROJA (IETcc) |
| Hungary | ÉPİTESÜGYI MINOSÉGELLENORZÓ INNOVÁCIOS KHT (ÉMI Kht) Non-profit Company for Quality Control and Innovation in Building | Sweden | SWEDISH INSTITUTE FOR TECHNICAL APPROVAL IN CONSTRUCTION (SITAC) |
| Iceland | INNOVATION CENTRE ICELAND (NMI) | Switzerland | SWISS FEDERAL LABORATORIES FOR MATERIALS TESTING AND RESEARCH (EMPA) |
| Ireland | IRISH AGREEMENT BOARD (IAB) NATIONAL STANDARDS AUTHORITY OF IRELAND | United Kingdom | BRITISH BOARD OF AGREEMENT (BBA) |
| Italy | ISTITUTO PER LE TECNOLOGIE DELLA COSTRUZIONE (ITC) | | |

CONSTRUCTION PRODUCTS REGULATION

The European construction products regulation is in place since 01.07.2013.

As a manufacturer of building and construction products, Mücher Dichtungen® declares the conformity of all products according to the European standards and approvals in its declaration of performance.



Multi-Flexible-Coupling

GENIUS

- + One coupling for all pipe materials
- + For above and below ground
- + With integrated bushes
- + Resistant to 2.5 bar

Multi-Flexible-Coupling GENIUS – for the connection of all pipe systems with different or same outside diameters

The Multi-Flexible-Coupling GENIUS with integrated bushes connects all plain ended pipes within one dimension and can be used inside and outside of buildings.

The right solution always to hand: What ever pipe material needs to be jointed within one dimension, the GENIUS will always be the right solution for the contractor.



INSTALLATION

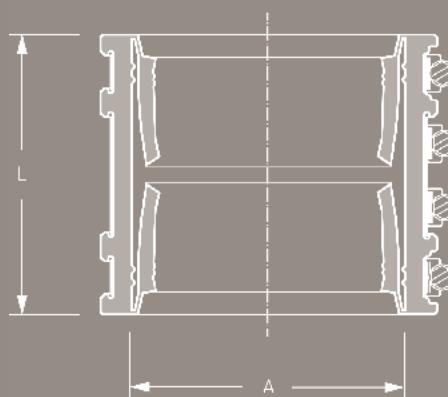


Bush at smaller pipe remains integrated – fold out and remove bush at larger pipe.

Slide GENIUS over larger pipe.

Push smaller pipe into GENIUS and tighten clamps and shear band reciprocally.

DESCRIPTION



TECHNICAL SPECIFICATION

Mult-Flexible-Coupling GENIUS with integrated bushes connects all plain ended pipe materials within one dimension with different or same outside diameters.

Pipe 1
Pipe 2
Article Number

DN/Material
DN/Material

Qty Price/Unit Total

Manufacturer:
Pressure Tightness:
Jetting Resistance:
Corrosion Resistance:
Sealing Material:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
2.5 bar water / -0.3 bar vacuum

Stainless Steel:

120 bar
TOX®-Technology
EPDM or Nitrile (NBR) rubber with lock in place profile according to
DIN EN 681-1
AISI 304/1.4301, alternatively AISI 316/1.4404 according to DIN EN
10088-2

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C

Standard/Approval: DIN EN 16397-2, European Technical Approval ETA-09/0248, CE15



PRODUCT RANGE

MULTI-FLEXIBLE-CO尤PLING GENIUS

| Article Number | Reference | A Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
|----------------|---------------|-------------------------|---------------------|-----------------------|----|----------------|
| 84000100 | GENIUS DN 100 | 108-137 | 120 | 2,5 | 10 | 1,3 |
| 84000125 | GENIUS DN 125 | 123-162 | 120 | 2,5 | 10 | 1,5 |
| 84000150 | GENIUS DN 150 | 158-192 | 150 | 2,5 | 10 | 2,4 |
| 84000200 | GENIUS DN 200 | 198-265 | 150 | 2,5 | 10 | 3,2 |
| 84000250 | GENIUS DN 250 | 248-326 | 150 | 2,5 | 13 | 6,1 |
| 84000300 | GENIUS DN 300 | 313-385 | 190 | 2,5 | 13 | 8,1 |

APPLICATION SCHEDULES

| DN 100 | GENIUS-OPTION Size Range (mm) | DN 125 | GENIUS-OPTION Size Range (mm) | DN 150 | GENIUS-OPTION Size Range (mm) |
|--|--|--|--|--|--|
| Clay — Clay | 125-137 125-137 | Clay — Clay | 150-162 150-162 | Clay — Clay | 176-192 176-192 |
| PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | Clay 108-125 125-137 | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | Clay 123-150 150-162 | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | Clay 158-176 176-192 |
| PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall |
| DN 200 | GENIUS-OPTION Size Range (mm) | DN 250 | GENIUS-OPTION Size Range (mm) | DN 300 | GENIUS-OPTION Size Range (mm) |
| Clay N+H — Clay N+H | 231-265 231-265 | Clay N+H — Clay N+H | 285-326 285-326 | Clay N+H — Clay N+H | 342-385 342-385 |
| PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | Clay 198-231 231-265 | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | Clay 248-285 285-326 | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | Clay 313-342 342-385 |
| PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall | PP/PVC/PE GRP Fib. Cement Ductile Iron Cast Iron Ultra-Rib/ Twinwall |



Coupling

CANADA PLUS TYPE 2A

- + Coupling for clay pipes
- + For above and below ground
- + For plain ended pipes within the same dimension
- + Resistant to 0.6 bar

Coupling Canada Plus Type 2A – for connecting clay pipes within same dimension

The coupling Canada Plus Type 2A connects plain ended clay pipes within same dimension and is compensating differences in outside diameters of max. 6 mm.

The coupling Canada Plus Type 2A can be used for applications above and below ground as well as inside and outside of buildings.

INSTALLATION



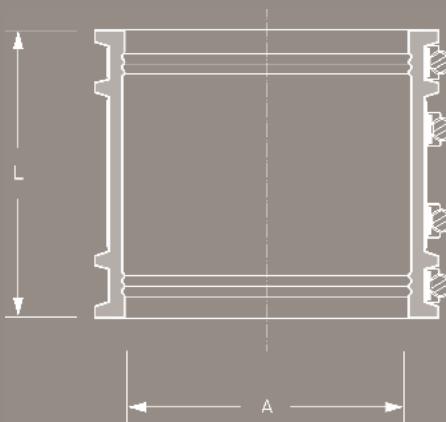
Position plain ended pipes.

Slide coupling over one plain end.

Center coupling over joint. Tighten clamps and shear band reciprocally.

DESCRIPTION

TECHNICAL SPECIFICATION



Coupling Canada Plus Type 2A for connecting clay pipes within same dimension for applications above and below ground as well as inside and outside of buildings.

Clay Pipe

DN/Strength _____

Article Number

____ Qty ____ Price/Unit ____ Total

Manufacturer:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55

Pressure Tightness:

0.6 bar water

Jetting Resistance:

120 bar

Corrosion Resistance:

TOX®-Technology

Sealing Material:

EPDM rubber with lock in place profile according to DIN EN 681-1

Stainless Steel:

AISI 304/1.4301 according to DIN EN 10088-2

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C

Standard/Approval: DIN EN 295-4, DIN EN 16397-2, CE15

PRODUCT RANGE 

COUPLING CANADA PLUS, TYPE 2A FOR CLAY PIPES

| Article Number | Reference | Nominal Diameter (DN) | A Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
|----------------|--------------------|-----------------------|-------------------|---------------|--------------------|----|-------------|
| 77100135 | Canada Plus MC 135 | 100 | 120-135 | 110 | 0,6 | 6 | 0,6 |
| 77125165 | Canada Plus MC 165 | 125 | 150-165 | 110 | 0,6 | 6 | 0,7 |
| 77150190 | Canada Plus MC 190 | 150 | 175-190 | 110 | 0,6 | 6 | 0,8 |
| 77200250 | Canada Plus MC 250 | 200 N | 235-250 | 110 | 0,6 | 6 | 1,0 |
| 77200260 | Canada Plus MC 260 | 200 H | 245-260 | 110 | 0,6 | 6 | 1,0 |
| 77250305 | Canada Plus MC 305 | 250 N | 290-305 | 165 | 0,6 | 10 | 1,9 |
| 77250325 | Canada Plus MC 325 | 250 H | 310-325 | 165 | 0,6 | 10 | 2,0 |
| 77300360 | Canada Plus MC 360 | 300 N | 345-360 | 165 | 0,6 | 10 | 2,2 |
| 77300385 | Canada Plus MC 385 | 300 H | 370-385 | 165 | 0,6 | 10 | 2,4 |
| 77350425 | Canada Plus MC 425 | 350 N | 410-425 | 165 | 0,6 | 13 | 2,7 |
| 77350440 | Canada Plus MC 440 | 350 H | 425-440 | 165 | 0,6 | 13 | 2,7 |
| 77400495 | Canada Plus MC 495 | 400 N | 475-495 | 165 | 0,6 | 13 | 3,1 |
| 77400505 | Canada Plus MC 505 | 400 H | 485-505 | 165 | 0,6 | 13 | 3,1 |
| 77450560 | Canada Plus MC 560 | 450 H | 540-560 | 165 | 0,6 | 13 | 3,2 |
| 77500590 | Canada Plus MC 590 | 500 N | 570-590 | 165 | 0,6 | 13 | 3,6 |
| 77500620 | Canada Plus MC 620 | 500 H | 600-620 | 165 | 0,6 | 13 | 3,9 |



Coupling

CANADA PLUS TYPE 2B

- + Coupling for clay pipes
- + For above and below ground
- + Combinable with bushes
- + Resistant to 2.5 bar

Coupling Canada Plus Type 2B – for connecting clay pipes within same or different dimensions

The coupling Canada Plus Type 2B connects plain ended clay pipes within same or different dimensions and is compensating differences in outside diameters of maximum 12 mm. Larger differences will require the use of bushes.

The coupling Canada Plus Type 2B can be used for applications above and below ground as well as inside and outside of buildings.

INSTALLATION



Position plain ended pipes.



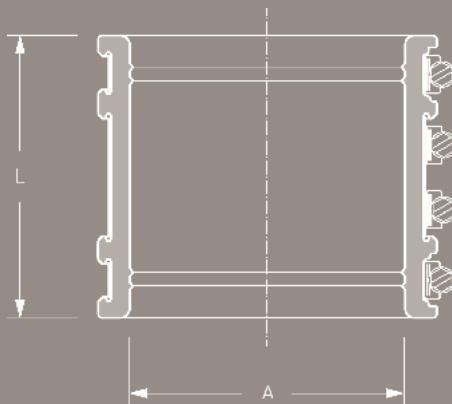
Slide coupling over one plain end.



Center coupling over joint. Tighten clamps and shear band reciprocally.

DESCRIPTION

TECHNICAL SPECIFICATION



Coupling Canada Plus Type 2B for connecting clay pipes within same or different dimensions for applications above and below ground as well as inside and outside of buildings.

Clay Pipe

DN/Strength _____

Article Number

____ Qty ____ Price/Unit ____ Total

Manufacturer:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55

Pressure Tightness: 2.5 bar water / -0.3 bar vacuum

120 bar

Jetting Resistance:

TOX®-Technology

Corrosion Resistance: EPDM or Nitrile (NBR) rubber with lock in place profile according to DIN EN 681-1

Sealing Material:

AISI 304/1.4301, alternatively AISI 316/1.4404 according to DIN EN 10088-2

Stainless Steel: -40°C to +120°C, temporary max. temperature +160°C

Temperature Resistance: DIN EN 16397-2, European Technical Approval ETA-09/0248, CE15

Standard/Approval:

PRODUCT RANGE 

COUPLING CANADA PLUS, TYPE 2B FOR CLAY PIPES

| Article Number | Reference | Nominal Diameter (DN) | A Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
|----------------|---------------------|-----------------------|-------------------|---------------|--------------------|----|-------------|
| 73100137 | Canada Plus MSC 137 | 100 | 120-137 | 120 | 2,5 | 10 | 0,9 |
| 73125162 | Canada Plus MSC 162 | 125 | 137-162 | 120 | 2,5 | 10 | 1,1 |
| 73150200 | Canada Plus MSC 200 | 150 | 175-200 | 150 | 2,5 | 10 | 1,7 |
| 73200250 | Canada Plus MSC 250 | 200 N | 225-250 | 150 | 2,5 | 10 | 2,0 |
| 73200275 | Canada Plus MSC 275 | 200 H | 250-275 | 150 | 2,5 | 10 | 2,3 |
| 73250310 | Canada Plus MSC 310 | 250 N | 285-310 | 190 | 2,5 | 13 | 3,5 |
| 73250335 | Canada Plus MSC 335 | 250 H | 310-335 | 190 | 2,5 | 13 | 3,8 |
| 73300360 | Canada Plus MSC 360 | 300 N | 335-360 | 190 | 2,5 | 13 | 4,0 |
| 73300385 | Canada Plus MSC 385 | 300 H | 355-385 | 190 | 2,5 | 13 | 4,3 |
| 73350430 | Canada Plus MSC 430 | 350 N | 400-430 | 190 | 2,5 | 13 | 4,7 |
| 73350445 | Canada Plus MSC 445 | 350 H | 415-445 | 190 | 2,5 | 13 | 4,9 |
| 73400495 | Canada Plus MSC 495 | 400 N | 465-495 | 190 | 2,5 | 13 | 5,2 |
| 73400510 | Canada Plus MSC 510 | 400 H | 480-510 | 190 | 2,5 | 13 | 5,5 |
| 73450560 | Canada Plus MSC 560 | 450 H | 530-560 | 190 | 2,5 | 13 | 5,9 |
| 73500600 | Canada Plus MSC 600 | 500 N | 570-600 | 190 | 2,5 | 13 | 6,3 |
| 73500620 | Canada Plus MSC 620 | 500 H | 590-620 | 190 | 2,5 | 13 | 6,4 |
| 73600700 | Canada Plus MSC 700 | 600 N | 670-700 | 190 | 1,0 | 20 | 7,9 |
| 73600735 | Canada Plus MSC 735 | 600 H | 705-735 | 190 | 1,0 | 20 | 8,3 |
| 73700805 | Canada Plus MSC 805 | 700 N | 775-805 | 190 | 1,0 | 20 | 9,1 |
| 73700875 | Canada Plus MSC 875 | 700 H | 850-875 | 190 | 1,0 | 20 | 9,5 |
| 73800915 | Canada Plus MSC 915 | 800 N | 885-915 | 190 | 1,0 | 20 | 10,3 |
| 73800975 | Canada Plus MSC 975 | 800 H | 945-975 | 190 | 1,0 | 20 | 10,8 |



Standard Coupling

CANADA PLUS TYPE 2B

- + For all pipe materials
- + For above and below ground
- + For usage with bushes
- + Resistant to 2.5 bar

Standard Coupling Canada Plus Type 2B – for the connection of all pipe systems with different or same outside diameters

The Standard Coupling Canada Plus Type 2B connects all plain ended pipes within same or different dimensions and is compensating differences in outside diameters of max. 12 mm. Larger differences will require the use of bushes.

The Standard Coupling Canada Plus Type 2B can be used for applications above and below ground as well as inside and outside of buildings.



INSTALLATION



Position plain ended pipes.

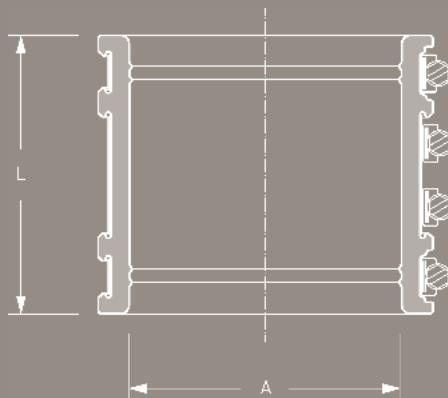


Slide coupling over one plain end.



Center coupling over joint. Tighten clamps and shear band reciprocally.

DESCRIPTION



TECHNICAL SPECIFICATION

Standard Coupling Canada Plus Type 2B for connection of all plain ended pipe materials with different or same outside diameters for applications above and below ground as well as inside and outside of buildings. Differences in outside diameters of more than 12 mm will require the use of bushes.

Pipe 1
Pipe 2
Article Number

DN/Material
DN/Material

Qty Price/Unit Total

Manufacturer:
Pressure Tightness:
Jetting Resistance:
Corrosion Resistance:
Sealing Material:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
2.5 bar water / -0.3 bar vacuum

Stainless Steel:

120 bar
TOX®-Technology
EPDM or Nitrile (NBR) rubber with lock in place profile according to
DIN EN 681-1
AISI 304/1.4301, alternatively AISI 316/1.4404 according to DIN EN
10088-2

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C
Standard/Approval:

DIN EN 16397-2, European Technical Approval ETA-09/0248, CE15

PRODUCT RANGE 

STANDARD COUPLING CANADA PLUS, TYPE 2B FOR ALL PIPE MATERIALS

| Article Number | Reference | A Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
|----------------|---------------------|----------------------|------------------|-----------------------|----|-------------|
| 79000115 | Canada Plus MSC 115 | 100-115 | 120 | 2,5 | 10 | 0,8 |
| 79000120 | Canada Plus MSC 120 | 105-120 | 120 | 2,5 | 10 | 0,9 |
| 73100137 | Canada Plus MSC 137 | 120-137 | 120 | 2,5 | 10 | 0,9 |
| 79000150 | Canada Plus MSC 150 | 125-150 | 120 | 2,5 | 10 | 1,0 |
| 73125162 | Canada Plus MSC 162 | 137-162 | 120 | 2,5 | 10 | 1,1 |
| 79000175 | Canada Plus MSC 175 | 150-175 | 120 | 2,5 | 10 | 1,2 |
| 79000190 | Canada Plus MSC 190 | 165-190 | 120 | 2,5 | 10 | 1,6 |
| 73150200 | Canada Plus MSC 200 | 175-200 | 150 | 2,5 | 10 | 1,7 |
| 79000212 | Canada Plus MSC 212 | 187-212 | 150 | 2,5 | 10 | 1,8 |
| 79000225 | Canada Plus MSC 225 | 200-225 | 150 | 2,5 | 10 | 1,9 |
| 73200225 | Canada Plus MSC 250 | 225-250 | 150 | 2,5 | 10 | 2,0 |
| 73200275 | Canada Plus MSC 275 | 250-275 | 150 | 2,5 | 10 | 2,3 |
| 79000290 | Canada Plus MSC 290 | 265-290 | 150 | 2,5 | 10 | 3,4 |
| 73250310 | Canada Plus MSC 310 | 285-310 | 190 | 2,5 | 13 | 3,5 |
| 79000320 | Canada Plus MSC 320 | 290-320 | 190 | 2,5 | 13 | 3,7 |
| 73250335 | Canada Plus MSC 335 | 310-335 | 190 | 2,5 | 13 | 3,8 |
| 79000350 | Canada Plus MSC 350 | 325-350 | 190 | 2,5 | 13 | 3,9 |
| 73300360 | Canada Plus MSC 360 | 335-360 | 190 | 2,5 | 13 | 4,0 |
| 73300385 | Canada Plus MSC 385 | 355-385 | 190 | 2,5 | 13 | 4,3 |
| 79000410 | Canada Plus MSC 410 | 385-410 | 190 | 2,5 | 13 | 4,5 |
| 73350430 | Canada Plus MSC 430 | 400-430 | 190 | 2,5 | 13 | 4,7 |
| 73350445 | Canada Plus MSC 445 | 415-445 | 190 | 2,5 | 13 | 4,9 |
| 79000465 | Canada Plus MSC 465 | 435-465 | 190 | 2,5 | 13 | 5,1 |
| 73400495 | Canada Plus MSC 495 | 465-495 | 190 | 2,5 | 13 | 5,2 |
| 73400510 | Canada Plus MSC 510 | 480-510 | 190 | 2,5 | 13 | 5,4 |
| 79000525 | Canada Plus MSC 525 | 495-525 | 190 | 2,5 | 13 | 5,5 |
| 79000545 | Canada Plus MSC 545 | 515-545 | 190 | 2,5 | 13 | 5,7 |
| 73450560 | Canada Plus MSC 560 | 530-560 | 190 | 2,5 | 13 | 5,9 |
| 79000570 | Canada Plus MSC 570 | 540-570 | 190 | 2,5 | 13 | 6,1 |
| 73500600 | Canada Plus MSC 600 | 570-600 | 190 | 2,5 | 13 | 6,3 |
| 73500620 | Canada Plus MSC 620 | 590-620 | 190 | 2,5 | 13 | 6,4 |
| 79000635 | Canada Plus MSC 635 | 620-635 | 190 | 1,0 | 20 | 7,2 |
| 79000650 | Canada Plus MSC 650 | 635-650 | 190 | 1,0 | 20 | 7,4 |
| 79000665 | Canada Plus MSC 665 | 650-665 | 190 | 1,0 | 20 | 7,5 |
| 79000680 | Canada Plus MSC 680 | 665-680 | 190 | 1,0 | 20 | 7,7 |
| 79000695 | Canada Plus MSC 695 | 680-695 | 190 | 1,0 | 20 | 7,8 |
| 73600700 | Canada Plus MSC 700 | 670-700 | 190 | 1,0 | 20 | 7,9 |
| 79000710 | Canada Plus MSC 710 | 695-710 | 190 | 1,0 | 20 | 8,0 |
| 79000725 | Canada Plus MSC 725 | 710-725 | 190 | 1,0 | 20 | 8,2 |
| 73600735 | Canada Plus MSC 735 | 705-735 | 190 | 1,0 | 20 | 8,3 |
| 79000740 | Canada Plus MSC 740 | 725-740 | 190 | 1,0 | 20 | 8,3 |
| 79000755 | Canada Plus MSC 755 | 740-755 | 190 | 1,0 | 20 | 8,5 |
| 79000770 | Canada Plus MSC 770 | 755-770 | 190 | 1,0 | 20 | 8,7 |
| 79000785 | Canada Plus MSC 785 | 770-785 | 190 | 1,0 | 20 | 8,8 |
| 79000800 | Canada Plus MSC 800 | 785-800 | 190 | 1,0 | 20 | 9,0 |
| 73700805 | Canada Plus MSC 805 | 775-805 | 190 | 1,0 | 20 | 9,1 |
| 79000815 | Canada Plus MSC 815 | 800-815 | 190 | 1,0 | 20 | 9,2 |
| 79000830 | Canada Plus MSC 830 | 815-830 | 190 | 1,0 | 20 | 9,3 |
| 79000845 | Canada Plus MSC 845 | 830-845 | 190 | 1,0 | 20 | 9,5 |
| 73700875 | Canada Plus MSC 875 | 860-875 | 190 | 1,0 | 20 | 9,8 |
| 79000890 | Canada Plus MSC 890 | 875-890 | 190 | 1,0 | 20 | 10,0 |
| 79000905 | Canada Plus MSC 905 | 890-905 | 190 | 1,0 | 20 | 10,1 |
| 73800915 | Canada Plus MSC 915 | 885-915 | 190 | 1,0 | 20 | 10,3 |
| 79000920 | Canada Plus MSC 920 | 905-920 | 190 | 1,0 | 20 | 10,3 |
| 79000935 | Canada Plus MSC 935 | 920-935 | 190 | 1,0 | 20 | 10,5 |
| 79000950 | Canada Plus MSC 950 | 935-950 | 190 | 1,0 | 20 | 10,6 |
| 79000965 | Canada Plus MSC 965 | 950-965 | 190 | 1,0 | 20 | 10,8 |



PRODUCT RANGE

STANDARD COUPLING CANADA PLUS, TYPE 2B FOR ALL PIPE MATERIALS

| Article Number | Reference | A Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
|----------------|----------------------|----------------------|------------------|-----------------------|----|-------------|
| 73800975 | Canada Plus MSC 975 | 945-975 | 190 | 1,0 | 20 | 10,8 |
| 79000980 | Canada Plus MSC 980 | 965-980 | 190 | 1,0 | 20 | 11,0 |
| 79000995 | Canada Plus MSC 995 | 980-995 | 190 | 1,0 | 20 | 11,1 |
| 79001010 | Canada Plus MSC 1010 | 995-1010 | 190 | 0,6 | 20 | 11,3 |
| 79001025 | Canada Plus MSC 1025 | 1010-1025 | 190 | 0,6 | 20 | 11,5 |
| 79001040 | Canada Plus MSC 1040 | 1025-1040 | 190 | 0,6 | 20 | 11,6 |
| 79001055 | Canada Plus MSC 1055 | 1040-1055 | 190 | 0,6 | 20 | 11,8 |
| 79001070 | Canada Plus MSC 1070 | 1055-1070 | 190 | 0,6 | 20 | 12,0 |
| 79001085 | Canada Plus MSC 1085 | 1070-1085 | 190 | 0,6 | 20 | 12,1 |
| 79001100 | Canada Plus MSC 1100 | 1085-1100 | 190 | 0,6 | 20 | 12,3 |
| 79001115 | Canada Plus MSC 1115 | 1100-1115 | 190 | 0,6 | 20 | 12,5 |
| 79001130 | Canada Plus MSC 1130 | 1115-1130 | 190 | 0,6 | 20 | 12,6 |
| 79001145 | Canada Plus MSC 1145 | 1130-1145 | 190 | 0,6 | 20 | 12,8 |
| 79001160 | Canada Plus MSC 1160 | 1145-1160 | 190 | 0,6 | 20 | 12,9 |
| 79001175 | Canada Plus MSC 1175 | 1160-1175 | 190 | 0,6 | 20 | 13,1 |
| 79001190 | Canada Plus MSC 1190 | 1175-1190 | 190 | 0,6 | 20 | 13,3 |
| 79001205 | Canada Plus MSC 1205 | 1190-1205 | 190 | 0,6 | 25 | 13,4 |
| 79001220 | Canada Plus MSC 1220 | 1205-1220 | 190 | 0,6 | 25 | 13,6 |
| 79001235 | Canada Plus MSC 1235 | 1220-1235 | 190 | 0,6 | 25 | 13,8 |
| 79001250 | Canada Plus MSC 1250 | 1235-1250 | 190 | 0,6 | 25 | 13,9 |
| 79001265 | Canada Plus MSC 1265 | 1250-1265 | 190 | 0,6 | 25 | 14,1 |
| 79001280 | Canada Plus MSC 1280 | 1265-1280 | 190 | 0,6 | 25 | 14,3 |
| 79001295 | Canada Plus MSC 1295 | 1280-1295 | 190 | 0,6 | 25 | 14,4 |
| 79001310 | Canada Plus MSC 1310 | 1295-1310 | 190 | 0,6 | 25 | 14,6 |
| 79001325 | Canada Plus MSC 1325 | 1310-1325 | 190 | 0,6 | 25 | 14,8 |
| 79001340 | Canada Plus MSC 1340 | 1325-1340 | 190 | 0,6 | 25 | 14,9 |
| 79001355 | Canada Plus MSC 1355 | 1340-1355 | 190 | 0,6 | 25 | 15,1 |
| 79001370 | Canada Plus MSC 1370 | 1355-1370 | 190 | 0,6 | 25 | 15,3 |
| 79001385 | Canada Plus MSC 1385 | 1370-1385 | 190 | 0,6 | 25 | 15,4 |
| 79001400 | Canada Plus MSC 1400 | 1385-1400 | 190 | 0,6 | 25 | 15,6 |
| 79001415 | Canada Plus MSC 1415 | 1400-1415 | 190 | - | 25 | 15,8 |
| 79001430 | Canada Plus MSC 1430 | 1415-1430 | 190 | - | 25 | 15,9 |
| 79001445 | Canada Plus MSC 1445 | 1430-1445 | 190 | - | 25 | 16,1 |
| 79001460 | Canada Plus MSC 1460 | 1445-1460 | 190 | - | 25 | 16,2 |
| 79001475 | Canada Plus MSC 1475 | 1460-1475 | 190 | - | 25 | 16,4 |
| 79001490 | Canada Plus MSC 1490 | 1475-1490 | 190 | - | 25 | 16,6 |
| 79001505 | Canada Plus MSC 1505 | 1490-1505 | 190 | - | 25 | 16,7 |
| 79001520 | Canada Plus MSC 1520 | 1505-1520 | 190 | - | 25 | 16,9 |
| 79001535 | Canada Plus MSC 1535 | 1520-1535 | 190 | - | 25 | 17,1 |
| 79001550 | Canada Plus MSC 1550 | 1535-1550 | 190 | - | 25 | 17,2 |
| 79001565 | Canada Plus MSC 1565 | 1550-1565 | 190 | - | 25 | 17,4 |
| 79001580 | Canada Plus MSC 1580 | 1565-1580 | 190 | - | 25 | 17,6 |
| 79001595 | Canada Plus MSC 1595 | 1580-1595 | 190 | - | 25 | 17,7 |
| 79001610 | Canada Plus MSC 1610 | 1595-1610 | 190 | - | 25 | 17,9 |
| 79001625 | Canada Plus MSC 1625 | 1610-1625 | 190 | - | 25 | 18,1 |
| 79001640 | Canada Plus MSC 1640 | 1625-1640 | 190 | - | 25 | 18,2 |
| 79001655 | Canada Plus MSC 1655 | 1640-1655 | 190 | - | 25 | 18,4 |
| 79001670 | Canada Plus MSC 1670 | 1655-1670 | 190 | - | 25 | 18,6 |
| 79001685 | Canada Plus MSC 1685 | 1670-1685 | 190 | - | 25 | 18,7 |
| 79001700 | Canada Plus MSC 1700 | 1685-1700 | 190 | - | 25 | 18,9 |
| 79001715 | Canada Plus MSC 1715 | 1700-1715 | 190 | - | 25 | 19,0 |
| 79001730 | Canada Plus MSC 1730 | 1715-1730 | 190 | - | 25 | 19,2 |
| 79001745 | Canada Plus MSC 1745 | 1730-1745 | 190 | - | 25 | 19,4 |
| 79001760 | Canada Plus MSC 1760 | 1745-1760 | 190 | - | 25 | 19,5 |
| 79001775 | Canada Plus MSC 1775 | 1760-1775 | 190 | - | 25 | 19,7 |
| 79001790 | Canada Plus MSC 1790 | 1775-1790 | 190 | - | 25 | 19,9 |
| 79001805 | Canada Plus MSC 1805 | 1790-1805 | 190 | - | 25 | 20,1 |

Larger sizes are available on request.



Standard Coupling

BUSH

- + For compensating different outside diameters
- + In combination with Standard Coupling
- + Extra tightness through pretension
- + Resistant to 2.5 bar

Bush – in combination with Standard Coupling – for compensating larger outside diameter differences

Bushes are required to be used in combination with Standard Couplings when there is an outside diameter difference of more than 12 mm.

By combining multiple bushes made from different thicknesses (5, 9, 14, 24 mm) almost any connection can be achieved ensuring a tight fit.

Bushes are manufactured with pretension and tighten against each other. This effect is supported through the toothing of the rubber profile.



INSTALLATION



Slide coupling completely over larger plain end.

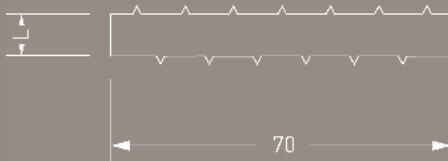


Slide bush over smaller plain end and position bush properly.



Center coupling over joint. Tighten clamps and shear band reciprocally.

DESCRIPTION



TECHNICAL SPECIFICATION

Bushes with pretension for compensating larger outside diameter differences. Outside diameter differences need to be taken on site.

Pipe 1
Pipe 2

DN/Material
DN/Material

Article Number

Qty ____ Price/Unit ____ Total

Manufacturer:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55

Pressure Tightness:

2.5 bar water / -0.3 bar vacuum

Jetting Resistance:

120 bar

Corrosion Resistance:

TOX®-Technology

Sealing Material:

EPDM or Nitrile (NBR) rubber with lock in place profile according to DIN EN 681-1

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C

Standard/Approval: DIN EN 16397-2, European Technical Approval ETA-09/0248, CE15



Coupling

BML-CONNECTOR

- + For bridge drainage
- + Reinforced clamps
- + AISI 316 stainless steel
- + Ozone resistant EPDM rubber

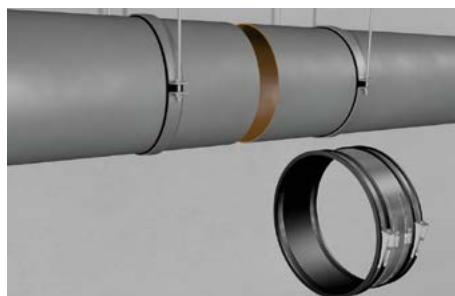
BML-Connector – for connecting bridge drainage pipes within same dimension

The BML-Connector is fitted with reinforced clamps. Linear expansion through temperature variation and vibrations of the bridge can be compensated.

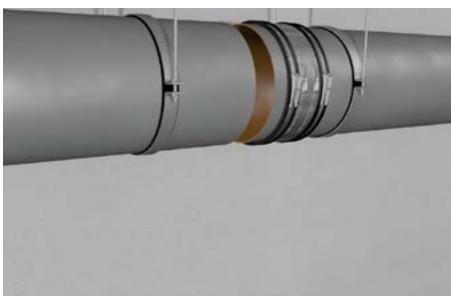
An angular deflection of up to 3% allows installations for curved bridges, too. The ozone resistant EPDM rubber guarantees a durable tightening.

The BML-Connector can also be supplied in nitrile (NBR) rubber to offer resistance against oil and petrol. The used materials are resistant against road salt and exhaust fumes.

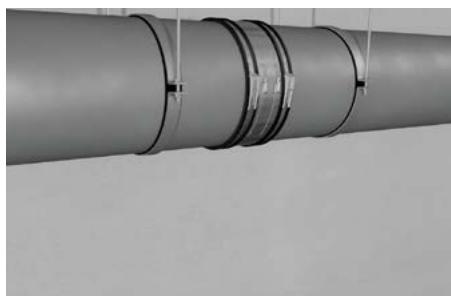
INSTALLATION



Position plain ended pipes.

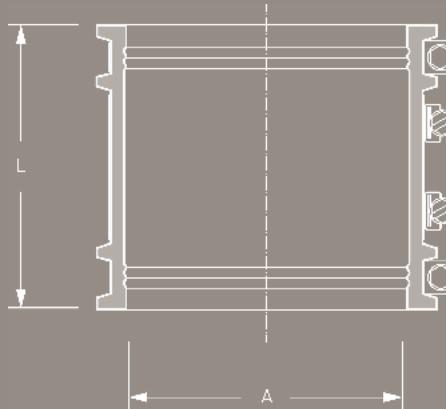


Slide coupling over one plain end.



Center coupling over joint. Tighten clamps and shear band reciprocally.

DESCRIPTION



TECHNICAL SPECIFICATION

BML-Connector for connecting bridge drainage pipes made from cast iron, GRP or stainless steel.

Pipe

DN/Material _____

Article Number

_____ Qty _____ Price/Unit _____ Total

Manufacturer:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55

Pressure Tightness:

2.5 bar water / -0.3 bar vacuum

Jetting Resistance:

120 bar

Corrosion Resistance:

TOX®-Technology

Sealing Material:

EPDM or Nitrile (NBR) rubber with lock in place profile according to

DIN EN 681-1

Stainless Steel:

AISI 304/1.4301, alternatively AISI 316/1.4404 according to DIN EN

10088-2

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C

Standard/Approval: DIN EN 16397-2, European Technical Approval ETA-09/0248, CE15

PRODUCT RANGE 

BML-CONNECTOR, FOR BRIDGE DRAINAGE

| Article Number | Reference | A Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
|----------------|----------------------|----------------------|------------------|-----------------------|----|----------------|
| 81000400 | BML-Connector DN 400 | 400-430 | 190 | 2,5 | 20 | 6,1 |
| 81000500 | BML-Connector DN 500 | 515-545 | 190 | 2,5 | 20 | 7,4 |
| 81000600 | BML-Connector DN 600 | 620-645 | 190 | 2,5 | 20 | 8,8 |

Larger sizes are available on request.



Extra Wide Coupling

CANADA TITAN XL

- + For all pipe materials
- + For above and below ground
- + Extra wide profile
- + Resistant to 2.5 bar

Extra Wide Coupling Canada TITAN XL – for safe connecting of large diameter pipes

The Extra Wide Coupling Canada TITAN XL connects all plain ended pipes within same or different dimensions and is compensating differences in outside diameters of max. 12 mm. Larger differences will require the use of bushes.

The extra wide profile allows a safe and flexible laying of large diameter pipes from DN 800.

INSTALLATION



Position plain ended pipes.

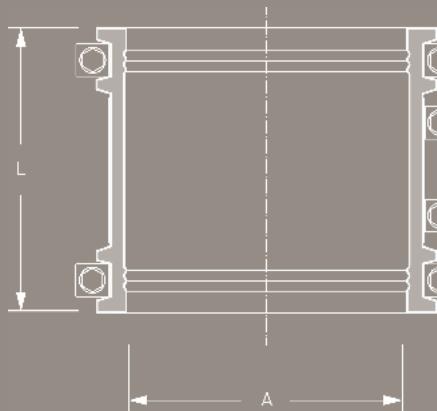


Slide coupling over one plain end.



Center coupling over joint. Tighten clamps and shear band reciprocally.

DESCRIPTION



TECHNICAL SPECIFICATION

Extra Wide Coupling Canada TITAN XL for connecting all plain ended pipe materials with different or same outside diameters for applications above and below ground. Differences in outside diameters of more than 12 mm will require the use of bushes.

Pipe 1 DN/Material _____

Pipe 2 DN/Material _____

Article Number _____

Qty Price/Unit Total

Manufacturer: MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
Pressure Tightness: 2.5 bar water / -0.3 bar vacuum

Jetting Resistance: 120 bar

Corrosion Resistance: TOX®-Technology

Sealing Material: EPDM or Nitrile (NBR) rubber with lock in place profile according to DIN EN 681-1

Stainless Steel: AISI 304/1.4301, alternatively AISI 316/1.4404 according to DIN EN 10088-2

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C

Standard/Approval: DIN EN 16397-2, CE15

PRODUCT RANGE 

| EXTRA WIDE COUPLING CANADA TITAN XL | | | | | | |
|-------------------------------------|-----------------------|-------------------------|------------------|-----------------------|----|-------------|
| Article Number | Reference | A Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
| 80000310 | Canada Titan MXL 310 | 285-310 | 300 | 2,5 | 13 | 5,6 |
| 80000320 | Canada Titan MXL 320 | 290-320 | 300 | 2,5 | 13 | 5,8 |
| 80000335 | Canada Titan MXL 335 | 310-335 | 300 | 2,5 | 13 | 6,0 |
| 80000350 | Canada Titan MXL 350 | 325-350 | 300 | 2,5 | 13 | 6,3 |
| 80000360 | Canada Titan MXL 360 | 335-360 | 300 | 2,5 | 13 | 6,5 |
| 80000385 | Canada Titan MXL 385 | 355-385 | 300 | 2,5 | 13 | 7,0 |
| 80000410 | Canada Titan MXL 410 | 385-410 | 300 | 2,5 | 13 | 7,4 |
| 80000430 | Canada Titan MXL 430 | 400-430 | 300 | 2,5 | 13 | 7,8 |
| 80000445 | Canada Titan MXL 445 | 415-445 | 300 | 2,5 | 13 | 8,1 |
| 80000465 | Canada Titan MXL 465 | 435-465 | 300 | 2,5 | 13 | 8,6 |
| 80000495 | Canada Titan MXL 495 | 465-495 | 300 | 2,5 | 13 | 9,0 |
| 80000510 | Canada Titan MXL 510 | 480-510 | 300 | 2,5 | 13 | 9,3 |
| 80000525 | Canada Titan MXL 525 | 495-525 | 300 | 2,5 | 13 | 9,8 |
| 80000545 | Canada Titan MXL 545 | 515-545 | 300 | 2,5 | 13 | 10,2 |
| 80000560 | Canada Titan MXL 560 | 530-560 | 300 | 2,5 | 13 | 10,7 |
| 80000570 | Canada Titan MXL 570 | 540-570 | 300 | 2,5 | 13 | 11,1 |
| 80000600 | Canada Titan MXL 600 | 570-600 | 300 | 2,5 | 13 | 11,5 |
| 80000620 | Canada Titan MXL 620 | 590-620 | 300 | 2,5 | 13 | 11,9 |
| 80000635 | Canada Titan MXL 635 | 620-635 | 300 | 1,0 | 20 | 12,3 |
| 80000650 | Canada Titan MXL 650 | 635-650 | 300 | 1,0 | 20 | 12,6 |
| 80000665 | Canada Titan MXL 665 | 650-665 | 300 | 1,0 | 20 | 13,0 |
| 80000680 | Canada Titan MXL 680 | 665-680 | 300 | 1,0 | 20 | 13,4 |
| 80000695 | Canada Titan MXL 695 | 680-695 | 300 | 1,0 | 20 | 13,8 |
| 80000700 | Canada Titan MXL 700 | 670-700 | 300 | 1,0 | 20 | 13,9 |
| 80000710 | Canada Titan MXL 710 | 695-710 | 300 | 1,0 | 20 | 14,1 |
| 80000725 | Canada Titan MXL 725 | 710-725 | 300 | 1,0 | 20 | 14,5 |
| 80000735 | Canada Titan MXL 735 | 705-735 | 300 | 1,0 | 20 | 14,9 |
| 80000740 | Canada Titan MXL 740 | 725-740 | 300 | 1,0 | 20 | 14,3 |
| 80000755 | Canada Titan MXL 755 | 740-755 | 300 | 1,0 | 20 | 14,7 |
| 80000770 | Canada Titan MXL 770 | 755-770 | 300 | 1,0 | 20 | 15,0 |
| 80000785 | Canada Titan MXL 785 | 770-785 | 300 | 1,0 | 20 | 15,3 |
| 80000800 | Canada Titan MXL 800 | 785-800 | 300 | 1,0 | 20 | 15,7 |
| 80000805 | Canada Titan MXL 805 | 775-805 | 300 | 1,0 | 20 | 16,1 |
| 80000815 | Canada Titan MXL 815 | 800-815 | 300 | 1,0 | 20 | 16,4 |
| 80000830 | Canada Titan MXL 830 | 815-830 | 300 | 1,0 | 20 | 16,8 |
| 80000845 | Canada Titan MXL 845 | 830-845 | 300 | 1,0 | 20 | 17,1 |
| 80000860 | Canada Titan MXL 860 | 845-860 | 300 | 1,0 | 20 | 17,5 |
| 80000875 | Canada Titan MXL 875 | 850-875 | 300 | 1,0 | 20 | 17,8 |
| 80000890 | Canada Titan MXL 890 | 875-890 | 300 | 1,0 | 20 | 18,1 |
| 80000905 | Canada Titan MXL 905 | 890-905 | 300 | 1,0 | 20 | 18,5 |
| 80000915 | Canada Titan MXL 915 | 885-915 | 300 | 1,0 | 20 | 18,8 |
| 80000920 | Canada Titan MXL 920 | 905-920 | 300 | 1,0 | 20 | 19,1 |
| 80000935 | Canada Titan MXL 935 | 920-935 | 300 | 1,0 | 20 | 19,5 |
| 80000950 | Canada Titan MXL 950 | 935-950 | 300 | 1,0 | 20 | 19,8 |
| 80000965 | Canada Titan MXL 965 | 950-965 | 300 | 1,0 | 20 | 20,2 |
| 80000975 | Canada Titan MXL 975 | 945-975 | 300 | 1,0 | 20 | 20,5 |
| 80000980 | Canada Titan MXL 980 | 965-980 | 300 | 1,0 | 20 | 20,9 |
| 80000995 | Canada Titan MXL 995 | 980-995 | 300 | 1,0 | 20 | 21,3 |
| 80001010 | Canada Titan MXL 1010 | 995-1010 | 300 | 0,6 | 20 | 21,7 |
| 80001025 | Canada Titan MXL 1025 | 1010-1025 | 300 | 0,6 | 20 | 22,1 |
| 80001040 | Canada Titan MXL 1040 | 1025-1040 | 300 | 0,6 | 20 | 22,5 |
| 80001055 | Canada Titan MXL 1055 | 1040-1055 | 300 | 0,6 | 20 | 22,8 |
| 80001070 | Canada Titan MXL 1070 | 1055-1070 | 300 | 0,6 | 20 | 23,1 |
| 80001085 | Canada Titan MXL 1085 | 1070-1085 | 300 | 0,6 | 20 | 23,4 |
| 80001100 | Canada Titan MXL 1100 | 1085-1100 | 300 | 0,6 | 20 | 23,8 |
| 80001115 | Canada Titan MXL 1115 | 1100-1115 | 300 | 0,6 | 20 | 24,1 |
| 80001130 | Canada Titan MXL 1130 | 1115-1130 | 300 | 0,6 | 20 | 24,5 |


PRODUCT RANGE ➤
EXTRA WIDE COUPLING CANADA TITAN XL

| Article Number | Reference | A Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
|----------------|-----------------------|-------------------------|------------------|-----------------------|----|-------------|
| 80001145 | Canada Titan MXL 1145 | 1130-1145 | 300 | 0,6 | 20 | 24,8 |
| 80001160 | Canada Titan MXL 1160 | 1145-1160 | 300 | 0,6 | 20 | 25,1 |
| 80001175 | Canada Titan MXL 1175 | 1160-1175 | 300 | 0,6 | 20 | 25,4 |
| 80001190 | Canada Titan MXL 1190 | 1175-1190 | 300 | 0,6 | 20 | 25,7 |
| 80001205 | Canada Titan MXL 1205 | 1190-1205 | 300 | 0,6 | 25 | 26,0 |
| 80001220 | Canada Titan MXL 1220 | 1205-1220 | 300 | 0,6 | 25 | 26,4 |
| 80001235 | Canada Titan MXL 1235 | 1220-1235 | 300 | 0,6 | 25 | 26,8 |
| 80001250 | Canada Titan MXL 1250 | 1235-1250 | 300 | 0,6 | 25 | 27,1 |
| 80001265 | Canada Titan MXL 1265 | 1250-1265 | 300 | 0,6 | 25 | 27,5 |
| 80001280 | Canada Titan MXL 1280 | 1265-1280 | 300 | 0,6 | 25 | 27,8 |
| 80001295 | Canada Titan MXL 1295 | 1280-1295 | 300 | 0,6 | 25 | 28,1 |
| 80001310 | Canada Titan MXL 1310 | 1295-1310 | 300 | 0,6 | 25 | 28,4 |
| 80001325 | Canada Titan MXL 1325 | 1310-1325 | 300 | 0,6 | 25 | 28,7 |
| 80001340 | Canada Titan MXL 1340 | 1325-1340 | 300 | 0,6 | 25 | 29,2 |
| 80001355 | Canada Titan MXL 1355 | 1340-1355 | 300 | 0,6 | 25 | 29,6 |
| 80001370 | Canada Titan MXL 1370 | 1355-1370 | 300 | 0,6 | 25 | 30,0 |
| 80001385 | Canada Titan MXL 1385 | 1370-1385 | 300 | 0,6 | 25 | 30,4 |
| 80001400 | Canada Titan MXL 1400 | 1385-1400 | 300 | 0,6 | 25 | 30,8 |
| 80001415 | Canada Titan MXL 1415 | 1400-1415 | 300 | - | 30 | 31,2 |
| 80001430 | Canada Titan MXL 1430 | 1415-1430 | 300 | - | 30 | 31,6 |
| 80001445 | Canada Titan MXL 1445 | 1430-1445 | 300 | - | 30 | 32,0 |
| 80001460 | Canada Titan MXL 1460 | 1445-1460 | 300 | - | 30 | 32,4 |
| 80001475 | Canada Titan MXL 1475 | 1460-1475 | 300 | - | 30 | 32,8 |
| 80001490 | Canada Titan MXL 1490 | 1475-1490 | 300 | - | 30 | 33,2 |
| 80001505 | Canada Titan MXL 1505 | 1490-1505 | 300 | - | 30 | 33,6 |
| 80001520 | Canada Titan MXL 1520 | 1505-1520 | 300 | - | 30 | 34,0 |
| 80001535 | Canada Titan MXL 1535 | 1520-1535 | 300 | - | 30 | 34,4 |
| 80001550 | Canada Titan MXL 1550 | 1535-1550 | 300 | - | 30 | 34,8 |
| 80001565 | Canada Titan MXL 1565 | 1550-1565 | 300 | - | 30 | 35,2 |
| 80001580 | Canada Titan MXL 1580 | 1565-1580 | 300 | - | 30 | 35,6 |
| 80001595 | Canada Titan MXL 1595 | 1580-1595 | 300 | - | 30 | 36,0 |
| 80001610 | Canada Titan MXL 1610 | 1595-1610 | 300 | - | 30 | 36,4 |
| 80001625 | Canada Titan MXL 1625 | 1610-1625 | 300 | - | 30 | 36,8 |
| 80001640 | Canada Titan MXL 1640 | 1625-1640 | 300 | - | 30 | 37,2 |
| 80001655 | Canada Titan MXL 1655 | 1640-1655 | 300 | - | 30 | 37,6 |
| 80001670 | Canada Titan MXL 1670 | 1655-1670 | 300 | - | 30 | 38,0 |
| 80001685 | Canada Titan MXL 1685 | 1670-1685 | 300 | - | 30 | 38,4 |
| 80001700 | Canada Titan MXL 1700 | 1685-1700 | 300 | - | 30 | 38,8 |
| 80001715 | Canada Titan MXL 1715 | 1700-1715 | 300 | - | 30 | 39,2 |
| 80001730 | Canada Titan MXL 1730 | 1715-1730 | 300 | - | 30 | 39,6 |
| 80001745 | Canada Titan MXL 1745 | 1730-1745 | 300 | - | 30 | 40,0 |
| 80001760 | Canada Titan MXL 1760 | 1745-1760 | 300 | - | 30 | 40,4 |
| 80001775 | Canada Titan MXL 1775 | 1760-1775 | 300 | - | 30 | 40,8 |
| 80001790 | Canada Titan MXL 1790 | 1775-1790 | 300 | - | 30 | 41,2 |
| 80001805 | Canada Titan MXL 1805 | 1790-1805 | 300 | - | 30 | 41,6 |
| 80001820 | Canada Titan MXL 1820 | 1805-1820 | 300 | - | 30 | 42,0 |
| 80001835 | Canada Titan MXL 1835 | 1820-1835 | 300 | - | 30 | 42,4 |
| 80001850 | Canada Titan MXL 1850 | 1835-1850 | 300 | - | 30 | 42,8 |
| 80001865 | Canada Titan MXL 1865 | 1850-1865 | 300 | - | 30 | 43,2 |
| 80001880 | Canada Titan MXL 1880 | 1865-1880 | 300 | - | 30 | 43,6 |
| 80001895 | Canada Titan MXL 1895 | 1880-1895 | 300 | - | 30 | 44,0 |
| 80001910 | Canada Titan MXL 1910 | 1895-1910 | 300 | - | 30 | 44,4 |
| 80001925 | Canada Titan MXL 1925 | 1910-1925 | 300 | - | 30 | 44,8 |
| 80001940 | Canada Titan MXL 1940 | 1925-1940 | 300 | - | 30 | 45,2 |
| 80001955 | Canada Titan MXL 1955 | 1940-1955 | 300 | - | 30 | 45,6 |
| 80001970 | Canada Titan MXL 1970 | 1955-1970 | 300 | - | 30 | 46,0 |
| 80001985 | Canada Titan MXL 1985 | 1970-1985 | 300 | - | 30 | 46,4 |

Larger sizes are available on request.



CANADA TITAN XL

COUPLINGS • ADAPTORS





Coupling Kit

EASY-REP

- + For repair of damage or cracks
- + No stop of water flow
- + For above and below ground
- + Resistant to 0.5 bar

Coupling Kit EASY-REP – allows local repairs without stopping the water flow

EASY-REP is a rubber flexible repair coupling supplied in an easy to install kit form.

EASY-REP is designed to allow pipe repairs to be carried out to sewerage and drainage pipelines which have been subject to local damage or cracks, without the need to replace the section of pipe or even to stop the flow of water whilst carrying out the repair.

INSTALLATION



Coat rubber glue to the sleeve.

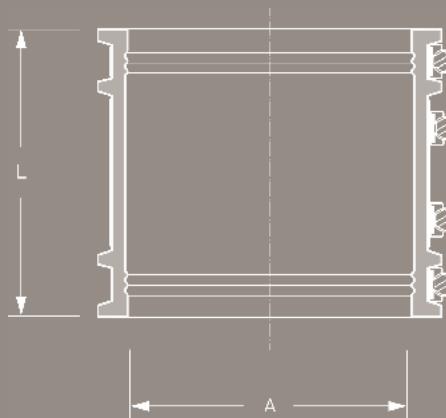


Tighten shear band reciprocally.



Tighten clamps.

DESCRIPTION



TECHNICAL SPECIFICATION

Coupling Kit EASY-REP for local repairs of damaged or cracked waste water pipes made from all materials. The outside diameter on the damaged pipe section needs to be taken on site.

Pipe

DN/Material _____

Article Number

____ Qty ____ Price/Unit ____ Total

Manufacturer:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55

Pressure Tightness:

0.5 bar water

Corrosion Resistance:

TOX®-Technology

Sealing Material:

EPDM rubber with lock in place profile according to DIN EN 681-1

Stainless Steel:

AISI 304/1.4301, alternatively AISI 316/1.4404 according to DIN EN

10088-2

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C

Standard/Approval: DIN EN 681-1, CE06, MPA Test Certificate No. 22 0008278

PRODUCT RANGE 

COUPLING KIT EASY-REP

| Article Number | Reference | A Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
|----------------|------------------|----------------------|------------------|-----------------------|----|-------------|
| 83000310 | EASY-REP MER 310 | 295-310 | 190 | 0,5 | 13 | 3,5 |
| 83000320 | EASY-REP MER 320 | 305-320 | 190 | 0,5 | 13 | 3,7 |
| 83000330 | EASY-REP MER 330 | 315-330 | 190 | 0,5 | 13 | 3,7 |
| 83000340 | EASY-REP MER 340 | 325-340 | 190 | 0,5 | 13 | 3,9 |
| 83000350 | EASY-REP MER 350 | 335-350 | 190 | 0,5 | 13 | 3,9 |
| 83000360 | EASY-REP MER 360 | 345-360 | 190 | 0,5 | 13 | 4,0 |
| 83000370 | EASY-REP MER 370 | 355-370 | 190 | 0,5 | 13 | 4,1 |
| 83000380 | EASY-REP MER 380 | 365-380 | 190 | 0,5 | 13 | 4,2 |
| 83000390 | EASY-REP MER 390 | 375-390 | 190 | 0,5 | 13 | 4,3 |
| 83000400 | EASY-REP MER 400 | 385-400 | 190 | 0,5 | 13 | 4,4 |
| 83000410 | EASY-REP MER 410 | 395-410 | 190 | 0,5 | 13 | 4,5 |
| 83000420 | EASY-REP MER 420 | 405-420 | 190 | 0,5 | 13 | 4,6 |
| 83000430 | EASY-REP MER 430 | 415-430 | 190 | 0,5 | 13 | 4,7 |
| 83000440 | EASY-REP MER 440 | 425-440 | 190 | 0,5 | 13 | 4,8 |
| 83000450 | EASY-REP MER 450 | 435-450 | 190 | 0,5 | 13 | 5,0 |
| 83000460 | EASY-REP MER 460 | 445-460 | 190 | 0,5 | 13 | 5,0 |
| 83000470 | EASY-REP MER 470 | 455-470 | 190 | 0,5 | 13 | 5,1 |
| 83000480 | EASY-REP MER 480 | 465-480 | 190 | 0,5 | 13 | 5,1 |
| 83000490 | EASY-REP MER 490 | 475-490 | 190 | 0,5 | 13 | 5,2 |
| 83000500 | EASY-REP MER 500 | 485-500 | 190 | 0,5 | 13 | 5,3 |
| 83000510 | EASY-REP MER 510 | 495-510 | 190 | 0,5 | 13 | 5,4 |
| 83000520 | EASY-REP MER 520 | 505-520 | 190 | 0,5 | 13 | 5,5 |
| 83000530 | EASY-REP MER 530 | 515-530 | 190 | 0,5 | 13 | 5,6 |
| 83000540 | EASY-REP MER 540 | 525-540 | 190 | 0,5 | 13 | 5,7 |
| 83000550 | EASY-REP MER 550 | 535-550 | 190 | 0,5 | 13 | 5,8 |
| 83000560 | EASY-REP MER 560 | 545-560 | 190 | 0,5 | 13 | 5,9 |
| 83000570 | EASY-REP MER 570 | 555-570 | 190 | 0,5 | 13 | 6,0 |
| 83000580 | EASY-REP MER 580 | 565-580 | 190 | 0,5 | 13 | 6,1 |
| 83000590 | EASY-REP MER 590 | 575-590 | 190 | 0,5 | 13 | 6,2 |
| 83000600 | EASY-REP MER 600 | 585-600 | 190 | 0,5 | 13 | 6,3 |
| 83000610 | EASY-REP MER 610 | 595-610 | 190 | 0,5 | 13 | 6,4 |
| 83000620 | EASY-REP MER 620 | 605-620 | 190 | 0,5 | 13 | 6,5 |
| 83000630 | EASY-REP MER 630 | 615-630 | 190 | 0,5 | 20 | 6,8 |
| 83000640 | EASY-REP MER 640 | 625-640 | 190 | 0,5 | 20 | 7,2 |
| 83000650 | EASY-REP MER 650 | 635-650 | 190 | 0,5 | 20 | 7,4 |
| 83000660 | EASY-REP MER 660 | 645-660 | 190 | 0,5 | 20 | 7,5 |
| 83000670 | EASY-REP MER 670 | 655-670 | 190 | 0,5 | 20 | 7,6 |
| 83000680 | EASY-REP MER 680 | 665-680 | 190 | 0,5 | 20 | 7,7 |

Larger sizes are available on request.





Adaptor Coupling

MAC

- + Adaptor for different outside diameters
- + For above and below ground
- + Reliable and durable solution
- + Resistant to 0.6 bar

Adaptor Coupling MAC – for the connection of all pipe systems with different outside diameters

The Adaptor Coupling MAC joints all plain ended pipes with different outside diameters and materials.

The Adaptor Coupling MAC can be used for applications above and below ground as well as inside and outside of buildings.

When changing nominal diameters, the flow direction needs consideration.



INSTALLATION



Position plain ended pipes.

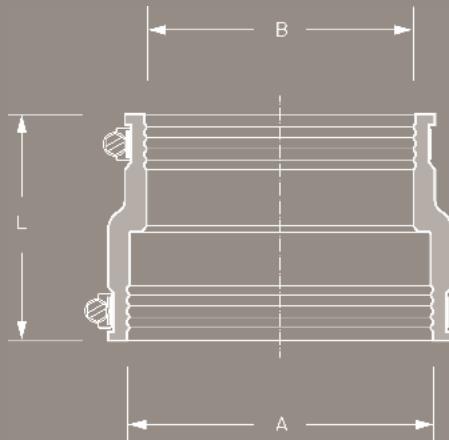


Slide adaptor coupling over one plain end.



Push other plain ended pipe into adaptor coupling and tighten clamps.

DESCRIPTION



TECHNICAL SPECIFICATION

Adaptor Coupling MAC for the connection of all plain ended pipe systems with different outside diameters for applications above and below ground as well as inside and outside of buildings.

Pipe 1
Pipe 2

DN/Material
DN/Material

Article Number

Qty Price/Unit Total

Manufacturer:
Pressure Tightness:
Jetting Resistance:
Sealing Material:
Stainless Steel:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
0.6 bar water / -0.3 bar vacuum
120 bar
EPDM rubber with lock in place profile according to DIN EN 681-1
AISI 304/1.4301, alternatively AISI 316/1.4404 according to DIN EN
10088-2

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C
Standard/Approval: DIN EN 16397-2, European Technical Approval ETA-09/0248, CE15

PRODUCT RANGE 

| ADAPTOR COUPLING MAC | | | | | | | |
|----------------------|-----------------|----------------------|----------------------|------------------|-----------------------|----|----------------|
| Article Number | Reference | A Size Range (mm) | B Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
| 76001251 | MAC 1251 | 110 - 125 | 80 - 95 | 120 | 0,6 | 6 | 0,6 |
| 76001252 | MAC 1252 | 110 - 125 | 100 - 115 | 120 | 0,6 | 6 | 0,6 |
| 76001360 | MAC 1360 | 121 - 136 | 75 - 89 | 100 | 0,6 | 6 | 0,6 |
| 76001361 | MAC 1361 | 121 - 136 | 80 - 95 | 120 | 0,6 | 6 | 0,7 |
| 76001362 | MAC 1362 | 121 - 136 | 100 - 115 | 120 | 0,6 | 6 | 0,6 |
| 76001363 | MAC 1363 | 121 - 136 | 110 - 125 | 120 | 0,6 | 6 | 0,6 |
| 76001451 | MAC 1451 | 130 - 145 | 95 - 110 | 100 | 0,6 | 6 | 0,5 |
| 76001452 | MAC 1452 | 130 - 145 | 110 - 125 | 120 | 0,6 | 6 | 0,7 |
| 76001501 | MAC 1501 | 135 - 150 | 100 - 115 | 100 | 0,6 | 6 | 0,5 |
| 76001602 | MAC 1602 | 144 - 160 | 110 - 125 | 120 | 0,6 | 6 | 0,8 |
| 76001603 | MAC 1603 | 144 - 160 | 121 - 136 | 120 | 0,6 | 6 | 0,8 |
| 76001701 | MAC 1701 | 155 - 170 | 100 - 115 | 150 | 0,6 | 6 | 1,0 |
| 76001702 | MAC 1702 | 155 - 170 | 110 - 125 | 120 | 0,6 | 6 | 0,8 |
| 76001703 | MAC 1703 | 155 - 170 | 130 - 145 | 120 | 0,6 | 6 | 0,8 |
| 76001801 | MAC 1801 | 160 - 180 | 100 - 115 | 150 | 0,6 | 6 | 1,0 |
| 76001802 | MAC 1802 | 160 - 180 | 110 - 125 | 150 | 0,6 | 6 | 1,1 |
| 76001805 | MAC 1805 | 160 - 180 | 155 - 170 | 150 | 0,6 | 6 | 1,3 |
| 76001922 | MAC 1922 | 170 - 192 | 110 - 125 | 120 | 0,6 | 6 | 0,9 |
| 76001923 | MAC 1923 | 170 - 192 | 121 - 136 | 120 | 0,6 | 6 | 0,9 |
| 76001924 | MAC 1924 | 170 - 192 | 144 - 160 | 120 | 0,6 | 6 | 0,9 |
| 76001991 | MAC 1991 | 180 - 200 | 100 - 115 | 150 | 0,6 | 6 | 1,2 |
| 76001993 | MAC 1993 | 180 - 200 | 121 - 136 | 150 | 0,6 | 6 | 1,2 |
| 76002000 | MAC 2000 | 180 - 200 | 130 - 145 | 150 | 0,6 | 6 | 1,4 |
| 76002001 | MAC 2001 | 180 - 200 | 155 - 170 | 150 | 0,6 | 6 | 1,3 |
| 76002002 | MAC 2002 | 180 - 200 | 160 - 180 | 150 | 0,6 | 6 | 1,3 |
| 76002102 | MAC 2102 | 185 - 210 | 110 - 125 | 150 | 0,6 | 6 | 1,3 |
| 76002104 | MAC 2104 | 185 - 210 | 130 - 145 | 150 | 0,6 | 6 | 1,3 |
| 76002105 | MAC 2105 | 185 - 210 | 144 - 160 | 150 | 0,6 | 6 | 1,2 |
| 76002152 | MAC 2152 offset | 200 - 215 | 100 - 115 | 150 | 0,6 | 6 | 1,0 |
| 76002203 | MAC 2203 | 195 - 220 | 155 - 170 | 150 | 0,6 | 6 | 1,2 |
| 76002303 | MAC 2303 | 205 - 230 | 130 - 145 | 165 | 0,6 | 6 | 1,8 |
| 76002352 | MAC 2352 | 210 - 235 | 110 - 125 | 150 | 0,6 | 6 | 1,5 |
| 76002353 | MAC 2353 | 210 - 235 | 121 - 136 | 150 | 0,6 | 6 | 1,5 |
| 76002354 | MAC 2354 | 210 - 235 | 144 - 160 | 150 | 0,6 | 6 | 1,5 |
| 76002355 | MAC 2355 | 210 - 235 | 170 - 192 | 150 | 0,6 | 6 | 1,5 |
| 76002356 | MAC 2356 | 210 - 235 | 190 - 215 | 150 | 0,6 | 6 | 1,5 |
| 76002505 | MAC 2505 | 225 - 250 | 155 - 170 | 150 | 0,6 | 6 | 1,4 |
| 76002507 | MAC 2507 | 225 - 250 | 195 - 220 | 150 | 0,6 | 6 | 1,5 |
| 76002508 | MAC 2508 | 225 - 250 | 205 - 230 | 150 | 0,6 | 6 | 1,6 |
| 76002654 | MAC 2654 | 240 - 265 | 144 - 160 | 150 | 0,6 | 6 | 1,8 |
| 76002655 | MAC 2655 | 240 - 265 | 170 - 192 | 150 | 0,6 | 6 | 1,7 |
| 76002656 | MAC 2656 | 240 - 265 | 190 - 215 | 150 | 0,6 | 6 | 1,7 |
| 76002657 | MAC 2657 | 240 - 265 | 210 - 235 | 150 | 0,6 | 6 | 1,7 |
| 76002753 | MAC 2753 | 250 - 275 | 155 - 170 | 165 | 0,6 | 6 | 2,1 |
| 76002755 | MAC 2755 | 250 - 275 | 195 - 220 | 165 | 0,6 | 6 | 2,3 |
| 76002904 | MAC 2904 | 265 - 290 | 144 - 160 | 150 | 0,6 | 6 | 2,0 |
| 76002905 | MAC 2905 | 265 - 290 | 170 - 192 | 150 | 0,6 | 6 | 1,8 |
| 76002906 | MAC 2906 | 265 - 290 | 190 - 215 | 150 | 0,6 | 6 | 2,0 |
| 76002907 | MAC 2907 | 265 - 290 | 210 - 235 | 150 | 0,6 | 6 | 2,0 |
| 76002908 | MAC 2908 | 265 - 290 | 240 - 265 | 150 | 0,6 | 6 | 1,9 |
| 76003003 | MAC 3003 offset | 275 - 300 | 180 - 200 | 150 | 0,6 | 6 | 1,4 |
| 76003157 | MAC 3157 | 290 - 315 | 245 - 270 | 165 | 0,6 | 6 | 2,0 |
| 76003158 | MAC 3158 | 290 - 315 | 260 - 285 | 165 | 0,6 | 6 | 2,1 |
| 76003204 | MAC 3204 | 295 - 320 | 144 - 160 | 150 | 0,6 | 6 | 2,7 |
| 76003205 | MAC 3205 | 295 - 320 | 170 - 192 | 150 | 0,6 | 6 | 2,6 |
| 76003206 | MAC 3206 | 295 - 320 | 190 - 215 | 150 | 0,6 | 6 | 2,1 |
| 76003207 | MAC 3207 | 295 - 320 | 210 - 235 | 150 | 0,6 | 6 | 2,5 |



PRODUCT RANGE

ADAPTOR COUPLING MAC

| Article Number | Reference | A Size Range (mm) | B Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
|----------------|-----------------|----------------------|----------------------|------------------|-----------------------|----|----------------|
| 76003208 | MAC 3208 | 295 - 320 | 240 - 265 | 150 | 0,6 | 6 | 2,6 |
| 76003209 | MAC 3209 | 295 - 320 | 265 - 290 | 150 | 0,6 | 6 | 2,5 |
| 76003257 | MAC 3257 | 300 - 325 | 250 - 275 | 165 | 0,6 | 6 | 2,7 |
| 76003307 | MAC 3307 | 305 - 330 | 245 - 270 | 150 | 0,6 | 6 | 1,7 |
| 76003351 | MAC 3351 offset | 310 - 335 | 180 - 205 | 150 | 0,6 | 6 | 2,2 |
| 76003357 | MAC 3357 | 310 - 335 | 295 - 320 | 150 | 0,6 | 6 | 1,8 |
| 76003600 | MAC 3600 | 335 - 360 | 295 - 320 | 165 | 0,6 | 6 | 3,1 |
| 76003606 | MAC 3606 | 335 - 360 | 190 - 215 | 165 | 0,6 | 6 | 3,1 |
| 76003607 | MAC 3607 | 335 - 360 | 210 - 235 | 165 | 0,6 | 6 | 3,0 |
| 76003608 | MAC 3608 | 335 - 360 | 240 - 260 | 165 | 0,6 | 6 | 3,2 |
| 76003609 | MAC 3609 | 335 - 360 | 265 - 290 | 165 | 0,6 | 6 | 3,1 |
| 76003708 | MAC 3708 | 345 - 370 | 300 - 325 | 165 | 0,6 | 6 | 2,6 |
| 76003709 | MAC 3709 | 345 - 370 | 310 - 335 | 165 | 0,6 | 6 | 2,5 |
| 76003850 | MAC 3850 | 360 - 385 | 300 - 325 | 165 | 0,6 | 6 | 3,0 |
| 76004608 | MAC 4608 | 435 - 460 | 360 - 385 | 180 | 0,6 | 6 | 2,6 |
| 76005150 | MAC 5150 | 490 - 510 | 385 - 410 | 165 | 0,6 | 6 | 3,8 |



ADAPTOR COUPLING MAC

COUPLINGS • ADAPTORS





Drain Coupling

MDC

- + Coupling for same outside diameters
- + For above and below ground
- + Reliable and durable solution
- + Resistant to 0.6 bar

Drain Coupling MDC – for the connection of all pipe systems with same outside diameters

The Drain Coupling MDC connects all plain ended pipes with same outside diameters and materials.

The Drain Coupling MDC can be used for applications above and below ground as well as inside and outside of buildings.

INSTALLATION



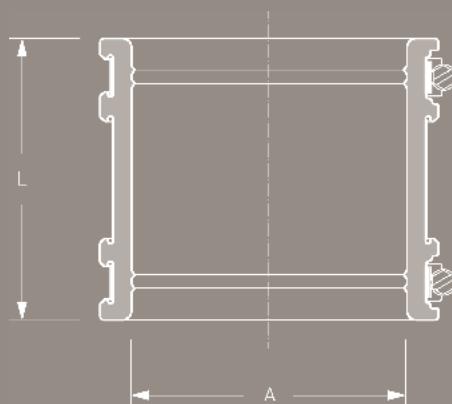
Position plain ended pipes.

Slide coupling over one plain end.

Center coupling over joint. Tighten clamps.

DESCRIPTION

TECHNICAL SPECIFICATION



Drain Coupling MDC for the connection of all plain ended pipe systems with same outside diameters for applications above and below ground as well as inside and outside of buildings.

Pipe 1
Pipe 2

DN/Material
DN/Material

Article Number

Manufacturer:
Pressure Tightness:
Jetting Resistance:
Sealing Material:

_____ Qty _____ Price/Unit _____ Total

Stainless Steel:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55 0.6 bar water / -0.3 bar vacuum

120 bar

EPDM or Nitrile (NBR) rubber with lock in place profile according to DIN EN 681-1
AISI 304/1.4301, alternatively AISI 316/1.4404 according to DIN EN 10088-2

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C

Standard/Approval: DIN EN 16397-2, European Technical Approval ETA-09/0248, CE15

PRODUCT RANGE 

| DRAIN COUPLING MDC | | | | | | |
|--------------------|-----------|----------------------|------------------|-----------------------|----|-------------|
| Article Number | Reference | A Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
| 76481958 | MDC 115 | 100 - 115 | 120 | 0,6 | 6 | 0,4 |
| 76481959 | MDC 120 | 105 - 120 | 120 | 0,6 | 6 | 0,4 |
| 76481960 | MDC 137 | 120 - 137 | 120 | 0,6 | 6 | 0,4 |
| 76481961 | MDC 150 | 125 - 150 | 120 | 0,6 | 6 | 0,5 |
| 76481962 | MDC 162 | 137 - 162 | 120 | 0,6 | 6 | 0,5 |
| 76481964 | MDC 175 | 150 - 175 | 120 | 0,6 | 6 | 0,6 |
| 76481966 | MDC 190 | 165 - 190 | 150 | 0,6 | 6 | 0,6 |
| 76481978 | MDC 200 | 175 - 200 | 150 | 0,6 | 6 | 0,6 |
| 76481980 | MDC 212 | 187 - 212 | 150 | 0,6 | 6 | 0,6 |
| 76481982 | MDC 225 | 200 - 225 | 150 | 0,6 | 6 | 0,7 |
| 76481983 | MDC 250 | 225 - 250 | 150 | 0,6 | 6 | 0,7 |
| 76481984 | MDC 275 | 250 - 275 | 150 | 0,6 | 6 | 0,8 |
| 76481290 | MDC 290 | 265 - 290 | 150 | 0,6 | 6 | 0,9 |

Larger sizes are available on request.



Joint for footed concrete pipes

MULTI-STEP

- + Connection of footed and circular pipes
- + For all pipe materials
- + Easy installation on site
- + Resistant to 0.5 bar

MULTI-STEP – internal joint for the connection of footed to circular pipes

MULTI-STEP connects footed concrete pipes with circular pipes from other materials. MULTI-STEP allows the punctual repair of footed concrete pipes within the operating sewer.

The MULTI-STEP joint consists of an EPDM elastomer with an internal steel body.

Circular pipes can be connected with footed concrete pipes as well as circular pipes among each other.



INSTALLATION



Remove damaged pipe section.

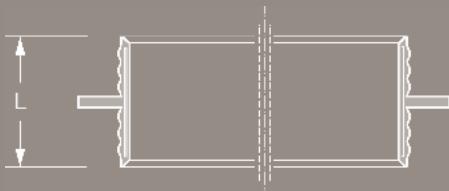


Chamfer pipes and insert MULTI-STEP. Slide short pipe section over MULTI-STEP.



Insert new pipe section and joint with a standard coupling.

DESCRIPTION



TECHNICAL SPECIFICATION

Joint MULTI-STEP for the connection of footed concrete pipes with circular pipes from other materials (e.g. clay, plastic, etc.).

Pipe 1
Pipe 2

DN/Material
DN/Material

Article Number

Qty Price/Unit Total

Manufacturer:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55

Pressure Tightness: 0.5 bar water / -0.3 bar vacuum

Sealing Material: EPDM rubber with internal steel body according to DIN EN 681-1

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C

Standard/Approval: DIN EN 681-1, CE06

PRODUCT RANGE 

JOINT FOR FOOTED CONCRETE PIPES MULTI-STEP

| Article Number | Reference | Internal Pipe Ø (mm) | L Length (mm) | resistant to (bar) | Weight (kg) |
|----------------|-------------------|----------------------|---------------|--------------------|-------------|
| 85100300 | Multi-Step DN 300 | 298-302 | 135 | 0,5 | 2,8 |



ROLL-RING

- + Connection to sockets without seal
- + Socket connection remains
- + Reliable and durable solution
- + Resistant to 0.5 bar

Roll-Ring – for the connection of spigots from all pipe materials to sockets without seal

The Roll-Ring connects spigots from all materials to sockets without seal (e.g. clay or concrete).

By using the Roll-Ring there is no need for cutting off the socket and connecting with a flexible coupling.

The Roll-Ring is individually produced to the customer's requirements, to provide the right compression for effective sealing.



INSTALLATION

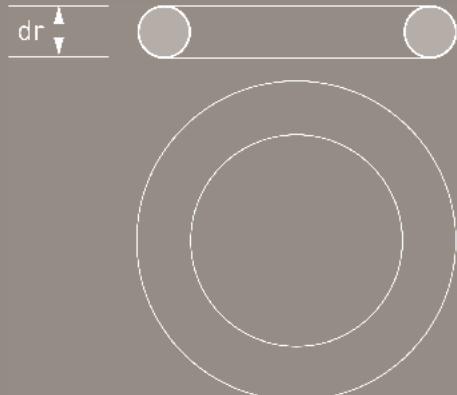


Do not use lubricant.

Position Roll-Ring in front of socket.

Push spigot into socket.

DESCRIPTION



TECHNICAL SPECIFICATION

Roll-Ring for the connection of spigots from all pipe materials to sockets without seal.

Pipe 1

DN/Material _____

Pipe 2

Socket Internal Ø (mm) _____

DN/Material _____

External Ø (mm) _____

Article Number

____ Qty ____ Price/Unit ____ Total

Manufacturer:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55

Pressure Tightness:

0.5 bar water / -0.3 bar vacuum

Sealing Material:

SBR rubber according to DIN EN 681-1

Temperature Resistance: -40°C to +80°, temporary max. temperature +130°C

Standard/Approval: DIN EN 681-1, CE06

PRODUCT RANGE 

| ROLL-RING | | | | | | | | |
|----------------|--------------------------------|-----|----------------------|----------------|------------------------|-------------------------|--------------------|-------------|
| Article Number | Reference | DN | Pipe Material Spigot | Outside-Ø (mm) | Internal-Socket Ø (mm) | dr String Strength (mm) | resistant to (bar) | Weight (kg) |
| 3010016 | Roll-Ring Clay DN 100 16 mm | 100 | Clay | 131 | 150-160 | 16 | 0,5 | 0,1 |
| 3010018 | Roll-Ring Clay DN 100 18 mm | 100 | Clay | 131 | 151-161 | 18 | 0,5 | 0,1 |
| 3010020 | Roll-Ring Clay DN 100 20 mm | 100 | Clay | 131 | 152-162 | 20 | 0,5 | 0,1 |
| 3010022 | Roll-Ring Clay DN 100 22 mm | 100 | Clay | 131 | 153-163 | 22 | 0,5 | 0,1 |
| 5010032 | Roll-Ring SML/PVC DN 100 32 mm | 100 | SML/PVC | 110 | 156-162 | 32 | 0,5 | 0,3 |
| 3012518 | Roll-Ring Clay DN 125 18 mm | 125 | Clay | 159 | 178-190 | 18 | 0,5 | 0,1 |
| 3012520 | Roll-Ring Clay DN 125 20 mm | 125 | Clay | 159 | 179-191 | 20 | 0,5 | 0,1 |
| 3012522 | Roll-Ring Clay DN 125 22 mm | 125 | Clay | 159 | 180-192 | 22 | 0,5 | 0,1 |
| 3012524 | Roll-Ring Clay DN 125 24 mm | 125 | Clay | 159 | 181-193 | 24 | 0,5 | 0,2 |
| 5012534 | Roll-Ring SML DN 125 34 mm | 125 | SML | 135 | 184-190 | 34 | 0,5 | 0,3 |
| 5012543 | Roll-Ring PVC DN 125 43 mm | 125 | PVC | 125 | 184-190 | 43 | 0,5 | 0,5 |
| 3015020 | Roll-Ring Clay DN 150 20 mm | 150 | Clay | 186 | 207-219 | 20 | 0,5 | 0,1 |
| 3015022 | Roll-Ring Clay DN 150 22 mm | 150 | Clay | 186 | 208-220 | 22 | 0,5 | 0,2 |
| 3015024 | Roll-Ring Clay DN 150 24 mm | 150 | Clay | 186 | 209-221 | 24 | 0,5 | 0,2 |
| 3015026 | Roll-Ring Clay DN 150 26 mm | 150 | Clay | 186 | 210-222 | 26 | 0,5 | 0,3 |
| 5015034 | Roll-Ring FC DN 150 34 mm | 150 | Fibre Cement | 176 | 214-222 | 34 | 0,5 | 0,4 |
| 5015040 | Roll-Ring SML/PVC DN 150 40 mm | 150 | SML/PVC | 160 | 215-223 | 40 | 0,5 | 0,5 |
| 3020022 | Roll-Ring Clay DN 200 22 mm | 200 | Clay | 242 | 265-279 | 22 | 0,5 | 0,2 |
| 3020024 | Roll-Ring Clay DN 200 24 mm | 200 | Clay | 242 | 266-280 | 24 | 0,5 | 0,3 |
| 3020026 | Roll-Ring Clay DN 200 26 mm | 200 | Clay | 242 | 267-281 | 26 | 0,5 | 0,3 |
| 5020046 | Roll-Ring SML DN 200 46 mm | 200 | SML | 210 | 275-283 | 46 | 0,5 | 1,1 |
| 5020051 | Roll-Ring PVC DN 200 51 mm | 200 | PVC | 200 | 274-282 | 51 | 0,5 | 1,1 |
| 3025026 | Roll-Ring Clay DN 250 26 mm | 250 | Clay | 299 | 324-334 | 26 | 0,5 | 0,4 |
| 3025028 | Roll-Ring Clay DN 250 28 mm | 250 | Clay | 299 | 325-335 | 28 | 0,5 | 0,4 |
| 3030028 | Roll-Ring Clay DN 300 28 mm | 300 | Clay | 355 | 380-390 | 28 | 0,5 | 0,5 |
| 3030030 | Roll-Ring Clay DN 300 30 mm | 300 | Clay | 355 | 381-391 | 30 | 0,5 | 0,6 |
| 3030032 | Roll-Ring Clay DN 300 32 mm | 300 | Clay | 355 | 382-392 | 32 | 0,5 | 0,6 |

Further sizes are available on request. Roll-Rings are available in string strengths 10-51 mm.



P-RING

- + Replacement of clay pipe spigot seal
- + For use of shortened clay pipes
- + Joint system C
- + Resistant to 0.6 bar

P-Ring – for the replacement of the clay pipe spigot seal for shortened clay pipes

The P-Ring connects shortened clay pipes with clay sockets (joint system C according to DIN EN 295). P-Rings are available for both normal and high strength purposes.

The internal steel ring assures the ideal positioning of the P-Ring when pushing pipes together.



INSTALLATION



Install P-Ring on spigot.

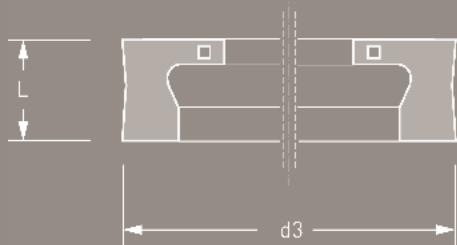


Apply lubricant to socket and P-Ring.



Push pipes together.

DESCRIPTION



TECHNICAL SPECIFICATION

P-Ring with internal steel ring for the connection of shortened clay pipe according to joint system C, DIN EN 295.

Clay Pipe

DN/Strength _____

Article Number

____ Qty ____ Price/Unit ____ Total

Manufacturer:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55

Pressure Tightness: 0.6 bar water / -0.3 bar vacuum

Sealing Material: EPDM rubber according to DIN EN 681-1

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C

Standard/Approval: DIN EN 295-4, CE06

PRODUCT RANGE 

| P-RING | | | | | |
|----------------|-----------------|-------------------------|---------------|--------------------|-------------|
| Article Number | Reference | d3 Functional Area (mm) | L Length (mm) | resistant to (bar) | Weight (kg) |
| 24720060 | P-Ring DN 200 N | 238 - 244 | 31 | 0,6 | 0,4 |
| 24720070 | P-Ring DN 200 H | 249 - 256 | 31 | 0,6 | 0,6 |
| 24725060 | P-Ring DN 250 N | 295 - 302 | 31 | 0,6 | 0,6 |
| 24725070 | P-Ring DN 250 H | 312 - 319 | 31 | 0,6 | 0,7 |
| 24730060 | P-Ring DN 300 N | 350 - 357 | 31 | 0,6 | 0,6 |
| 24730070 | P-Ring DN 300 H | 373 - 381 | 31 | 0,6 | 1,0 |
| 24740060 | P-Ring DN 400 N | 481 - 490 | 31 | 0,6 | 1,2 |
| 24740070 | P-Ring DN 400 H | 484 - 493 | 31 | 0,6 | 1,4 |
| 24750060 | P-Ring DN 500 N | 577 - 587 | 31 | 0,6 | 1,3 |
| 24750070 | P-Ring DN 500 H | 600 - 610 | 31 | 0,6 | 2,0 |
| 24760060 | P-Ring DN 600 N | 679 - 693 | 31 | 0,6 | 1,8 |
| 24760070 | P-Ring DN 600 H | 713 - 728 | 31 | 0,6 | 2,5 |



Ü-P-RING

- + Connection of thin walled pipes to clay sockets
- + Socket connection remains
- + Joint system C
- + Resistant to 0.6 bar

Ü-P-Ring – for the connection of spigots made from plastic, ductile or cast iron to clay sockets

The Ü-P-Ring connects thin walled pipes with clay sockets (joint system C according to DIN EN 295).

The internal steel ring assures the ideal positioning of the Ü-P-Ring when pushing pipes together.



INSTALLATION

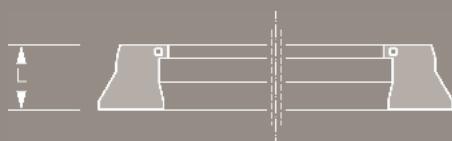


Install Ü-P-Ring on spigot.

Apply lubricant to socket and Ü-P-Ring.

Push pipes together.

DESCRIPTION



TECHNICAL SPECIFICATION

Ü-P-Ring with internal steel ring for the connection of thin walled pipes (plastic, cast iron, GRP) to clay sockets according to joint system C, DIN EN 295.

Clay Pipe
Connecting Pipe

DN/Strength _____
DN/Material _____

Article Number _____

____ Qty ____ Price/Unit ____ Total

| | |
|-------------------------|--|
| Manufacturer: | MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55 |
| Pressure Tightness: | 0.6 bar water / -0.3 bar vacuum |
| Sealing Material: | EPDM rubber according to DIN EN 681-1 |
| Temperature Resistance: | -40°C to +120°C, temporary max. temperature +160°C |
| Standard/Approval: | DIN EN 295-4, CE06 |

PRODUCT RANGE 

| Ü-P-RING | | | | | | |
|----------------|---------------------------------|--------------------------|---------------------------------|------------------|-----------------------|----------------|
| Article Number | Reference | Outside Ø Spigot (mm) | d4 Internal Socket Ø (mm) | L Length (mm) | resistant to (bar) | Weight (kg) |
| 22502000 | Ü-P-Ring Clay DN 200 N / PVC | 200 | 260,0 | 33 | 0,6 | 1,0 |
| 22502100 | Ü-P-Ring Clay DN 200 N / SML | 210 | 260,0 | 33 | 0,6 | 0,8 |
| 22502220 | Ü-P-Ring Clay DN 200 N / GGG-FC | 222 | 260,0 | 33 | 0,6 | 0,7 |
| 22502500 | Ü-P-Ring Clay DN 250 N / PVC | 250 | 317,5 | 33 | 0,6 | 1,3 |
| 22502740 | Ü-P-Ring Clay DN 250 N / SML | 274 | 317,5 | 33 | 0,6 | 0,8 |



M-P-RING

- + Changing from normal to high strength
- + Connection of clay spigot to clay socket
- + Joint system C
- + Resistant to 0.6 bar

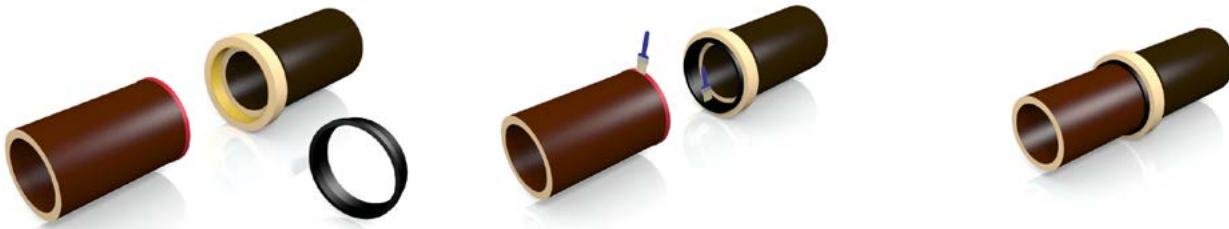
M-P-Ring DN 200 – for the connection of clay spigots with normal strength to clay sockets with high strength

The M-P-Ring DN 200 connects clay spigots with normal strength with seal (socket K or S-Ring) to sockets with high strength (socket K or S).

The change from normal to high strength can be done on the clay pipe run or when connecting to concrete manholes (extra strength BKK, extra strength GM-fitting).



INSTALLATION



Insert M-P-Ring into clay socket.

Apply lubricant to socket and M-P-Ring.

Push spigot into socket.

DESCRIPTION

TECHNICAL SPECIFICATION

M-P-Ring DN 200 for changing from normal to high strength on the pipe run or when connecting to concrete manholes from clay spigots with normal strength to sockets with high strength (socket K or S) according to joint system C, DIN EN 295.

Article Number

Qty Price/Unit Total

Manufacturer:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55

Pressure Tightness:

0.6 bar water / -0.3 bar vacuum

Sealing Material:

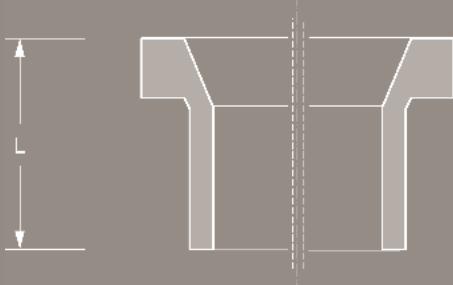
EPDM rubber according to DIN EN 681-1

Temperature Resistance:

-40°C to +120°C, temporary max. temperature +160°C

Standard/Approval:

DIN EN 295-4, CE06, MPA Test Certificate No. 22 8076499-01-2



PRODUCT RANGE 

| M-P-RING | | | | | | |
|----------------|---------------------|---------------------|----------------|---------------------|-----------------------|----------------|
| Article Number | Reference | Clay Spigot (mm) | Clay Socket | L Length (mm) | resistant to (bar) | Weight (kg) |
| 22602000 | M-P-Ring DN 200 N/H | DN 200 N | DN 200 H | 72 | 0,6 | 0,9 |



Ü-RING

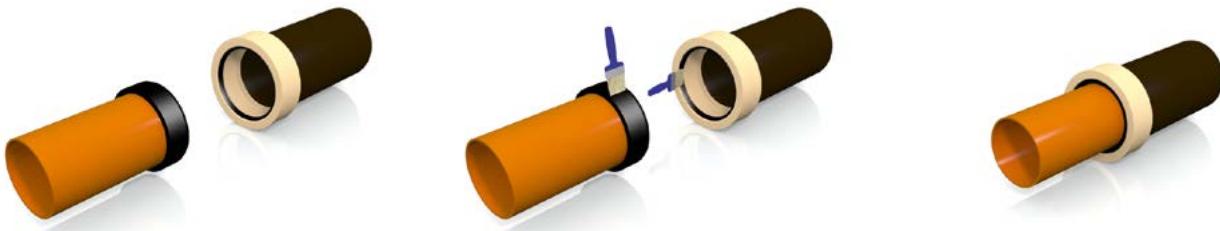
- + Connecting thin walled pipes to clay sockets
- + Socket connection remains
- + Joint system F
- + Resistant to 0.6 bar

Ü-Ring – for the connection of spigots made from plastic, ductile or cast iron to clay sockets

The Ü-Ring DN 200 connects clay thin walled pipes (plastic ductile or cast iron) to clay sockets (joint system F, DIN EN 295).



INSTALLATION

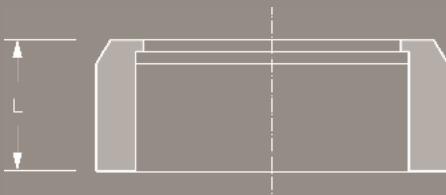


Install Ü-Ring on spigot.

Apply lubricant to socket and Ü-Ring.

Push spigot into socket.

DESCRIPTION



TECHNICAL SPECIFICATION

Ü-Ring for the connection of thin walled pipes (plastic, cast iron, GRP) to clay sockets according to joint system F, DIN EN 295.

Clay Pipe
Connecting Pipe

DN _____
DN/Material _____

Article Number

____ Qty ____ Price/Unit ____ Total

| | |
|-------------------------|--|
| Manufacturer: | MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55 |
| Pressure Tightness: | 0.6 bar water / -0.3 bar vacuum |
| Jetting Resistance: | 120 bar |
| Sealing Material: | EPDM rubber according to DIN EN 681-1 |
| Temperature Resistance: | -40°C to +120°C, temporary max. temperature +160°C |
| Standard/Approval: | DIN EN 295-4, CE06 |

PRODUCT RANGE 

| Ü-RING | | | | | | |
|----------------|----------------------------|-----------------------|--------------------|---------------|--------------------|-------------|
| Article Number | Reference | Outside Ø Spigot (mm) | Clay Pipe Lip-Seal | L Length (mm) | resistant to (bar) | Weight (kg) |
| 20210012 | Ü-Ring Clay DN 100 SML/PVC | 110 | L | 60 | 0,6 | 0,3 |
| 20212511 | Ü-Ring Clay DN 125 PVC | 125 | L | 60 | 0,6 | 0,3 |
| 20212510 | Ü-Ring Clay DN 125 SML | 135 | L | 60 | 0,6 | 0,4 |
| 20215012 | Ü-Ring Clay DN 150 SML/PVC | 160 | L | 60 | 0,6 | 0,6 |
| 20215013 | Ü-Ring Clay DN 150 CGG/FC | 170 | L | 60 | 0,6 | 0,3 |
| 20220020 | Ü-Ring Clay DN 200 PVC | 200 | L | 68 | 0,6 | 0,9 |
| 20220010 | Ü-Ring Clay DN 200 SML | 210 | L | 68 | 0,6 | 0,9 |



A-RING

- + Connecting to sockets without seal
- + Clay to socket (cast iron, plastic)
- + Joint system F
- + Resistant to 0.6 bar

A-Ring – for the connection of clay spigots to sockets without seal made from other pipe materials

The A-Ring connects clay spigots (joint system F according to DIN EN 295) to cast iron or plastic sockets without seal.

The internal steel ring assures the ideal positioning of the A-Ring when pushing pipes together.



INSTALLATION



Insert A-Ring in socket.

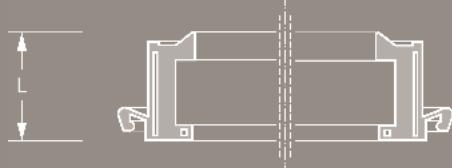


Apply lubricant to A-Ring.



Push spigot into socket.

DESCRIPTION



TECHNICAL SPECIFICATION

A-Ring with internal steel ring for the connection of clay spigots according to joint system F, DIN EN 295 to sockets made from cast iron or plastic.

Socket

DN/Material _____

Article Number

_____ Qty _____ Price/Unit _____ Total

Manufacturer:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55

Pressure Tightness:

0.6 bar water / -0.3 bar vacuum

Jetting Resistance:

120 bar

Sealing Material:

EPDM rubber according to DIN EN 681-1

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C

Standard/Approval: DIN EN 295-4, CE06

PRODUCT RANGE 

| A-RING | | | | | | |
|----------------|---------------|-----------------------|------------------------|---------------|--------------------|-------------|
| Article Number | Reference | Outside Ø Spigot (mm) | Internal Socket Ø (mm) | L Length (mm) | resistant to (bar) | Weight (kg) |
| 37010100 | A-Ring DN 100 | 131 | 159 +/- 2,0 | 60 | 0,6 | 0,4 |
| 37010125 | A-Ring DN 125 | 159 | 187 +/- 3,5 | 60 | 0,6 | 0,6 |
| 37010150 | A-Ring DN 150 | 186 | 218 +/- 3,5 | 60 | 0,6 | 0,8 |
| 37010200 | A-Ring DN 200 | 242 | 278 +/- 3,5 | 60 | 0,6 | 1,1 |



Wedge-Shaped Seal

MKG

- + Seal for concrete manholes
- + Fixed seal
- + Caoutchouc elastomer according to DIN EN 681-1
- + Resistant to 0.5 bar

Wedge-Shaped Seal MKG – for the connection of manhole rings according to DIN 4034

The Wedge-Shaped Seal MKG is used for sealing concrete manholes. The seal is made from a caoutchouc elastomer with a dense structure. It is positioned on the spigot of the manhole shaft and is compressed between the manhole rings.



INSTALLATION



Slide MKG seal over spigot.

Apply lubricant to MKG seal.

Push manhole rings together.

DESCRIPTION

TECHNICAL SPECIFICATION

Wedge-Shaped Seal MKG for concrete manholes according to DIN 4034. The connection requires testing according to DIN EN 1610.

DN _____

Article Number _____

____ Qty ____ Price/Unit ____ Total

| | |
|-------------------------|--|
| Manufacturer: | MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55 |
| Pressure Tightness: | 0.5 bar water |
| Sealing Material: | SBR rubber according to DIN EN 681-1 |
| Temperature Resistance: | -40°C to +80°C, temporary max. temperature +130°C |
| Standard/Approval: | DIN 4060, DIN 4034, DIN EN 1917, CE06 |

PRODUCT RANGE 

WEDGE-SHAPED SEAL FOR MANHOLES

| Article Number | Reference | dr Hight of Profile (mm) | B Contact Surface (mm) | Socket Gap min. (mm) | Socket Gap max. (mm) | resistant to (bar) | Weight (kg) |
|----------------|--------------------|--------------------------------|------------------------------|----------------------------|----------------------------|-----------------------|----------------|
| 35303058 | MKG DN 1000, 18 mm | 18 | 30 | 8,4 | 12,6 | 0,5 | 0,9 |
| 35303060 | MKG DN 1000, 20 mm | 20 | 32 | 9,3 | 14,0 | 0,5 | 1,3 |
| 35360061 | MKG DN 1200, 21 mm | 21 | 36 | 9,8 | 14,7 | 0,5 | 1,8 |
| 35450065 | MKG DN 1500, 25 mm | 25 | 44 | 11,7 | 17,5 | 0,5 | 3,0 |

WEDGE-SHAPED SEAL MKG 30

| dr Hight of Profile (mm) | B Contact Surface (mm) | Socket Gap min. (mm) | Socket Gap max. (mm) |
|-----------------------------|---------------------------|-------------------------|-------------------------|
| 12 | 22 | 5,6 | 8,4 |
| 14 | 26 | 6,5 | 9,8 |
| 16 | 30 | 7,5 | 11,2 |
| 18 | 33 | 8,4 | 12,6 |
| 20 | 37 | 9,3 | 14,0 |
| 22 | 41 | 10,3 | 15,4 |
| 24 | 44 | 11,2 | 16,8 |
| 26 | 48 | 12,1 | 18,2 |
| 28 | 52 | 13,1 | 19,6 |
| 30 | 55 | 14,0 | 21,0 |
| 32 | 59 | 19,9 | 22,4 |

WEDGE-SHAPED SEAL MKG 40

| dr Hight of Profile (mm) | B Contact Surface (mm) | Socket Gap min. (mm) | Socket Gap max. (mm) |
|-----------------------------|---------------------------|-------------------------|-------------------------|
| 12 | 20 | 5,6 | 8,4 |
| 14 | 24 | 6,5 | 9,8 |
| 16 | 27 | 7,5 | 11,2 |
| 18 | 30 | 8,4 | 12,6 |
| 19 | 31 | 8,9 | 13,3 |
| 20 | 32 | 9,3 | 14,0 |
| 21 | 36 | 9,8 | 14,7 |
| 22 | 38 | 10,3 | 15,4 |
| 24 | 42 | 11,2 | 16,8 |
| 25 | 44 | 11,7 | 17,5 |
| 26 | 45 | 12,1 | 18,2 |
| 27 | 46 | 12,6 | 18,9 |
| 28 | 52 | 13,1 | 19,6 |
| 30 | 52 | 14,0 | 21,0 |
| 32 | 56 | 19,9 | 22,4 |



Jointing Element

BKL

- + Joint integrated in concrete manholes
- + Polystyrene supporting element
- + Joint system F
- + Resistant to 0.5 bar

BKL Jointing Element – for the connection of clay pipes to concrete manholes and road gullies

The BKL Jointing Element is integrated into concrete manholes or road gullies (socket L, joint system F) when manufactured.

To get the necessary space for installation, the BKL Jointing Element is installed together with a polystyrene supporting element.

INSTALLATION

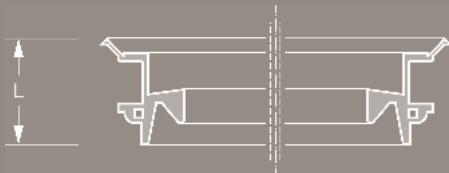


Remove polystyrene from socket.

Apply lubricant to BKL joint.

Push pipe into socket.

DESCRIPTION



TECHNICAL SPECIFICATION

BKL Jointing Element including polystyrene supporting element according to DIN EN 295-4 for the connection of clay pipes (joint system F) to concrete manholes or road gullies according to DIN 4034 and DIN EN 1917.

DN _____

Article Number _____

____ Qty ____ Price/Unit ____ Total

Manufacturer: MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
Pressure Tightness: 0.5 bar water
Sealing Material: EPDM rubber according to DIN EN 681-1
Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C
Standard/Approval: DIN EN 295-4, CE06

PRODUCT RANGE 

| BKL JOINITNG ELEMENT | | | | |
|----------------------|--|------------------|-----------------------|-------------|
| Article Number | Reference | L Length (mm) | resistant to (bar) | Weight (kg) |
| 36065150 | BKL DN 150 incl. supporting element type 1 | 38 | 0,5 | 0,2 |
| 36065151 | BKL DN 150 incl. supporting element type 2 | 38 | 0,5 | 0,2 |
| 36065200 | BKL DN 200 incl. supporting element | 38 | 0,5 | 0,3 |



Z-JOINT

- + For Road Gullies (wet sludge trap)
- + Excellent damping behaviour
- + Protection of concrete gully
- + Resistant to 0.5 bar

Z-JOINT - for concrete road gullies

The Z-Joint DN 450 is used for concrete road gullies with a wet sludge trap according to DIN 4052.

The Z-Joint is positioned on the gully rings and is compressed between them.

A better damping behavior is achieved, hence resulting in a longer life circle of the concrete road gully. The traffic loads can be absorbed more constantly.



INSTALLATION



Clean sealing surface.



Insert Z-Joint.



Push gully rings together.

DESCRIPTION



TECHNICAL SPECIFICATION

Z-Joint DN 450 for the connection of gully rings for concrete road gullies with a wet sludge trap according to DIN 4052.

Article Number

Qty Price/Unit Total

| | |
|-------------------------|--|
| Manufactuer: | MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55 |
| Pressure Tightness: | 0.5 bar water |
| Sealing Material: | EPDM rubber according to DIN EN 681-1 |
| Temperature Resistance: | -40°C to +120°C, temporary max. temperature +160°C |
| Standard/Approval: | DIN 4052, CE06 |



PRODUCT RANGE

Z-JOINT FOR ROAD GULLIES

| Article Number | Reference | Road Gully System | L Length (mm) | resistant to (bar) | Weight (kg) |
|----------------|----------------|-----------------------|---------------|--------------------|-------------|
| 12045030 | Z-Joint DN 450 | according to DIN 4052 | 36 | 0,5 | 1,0 |



Sewer Saddle

T-FLEX

- + For main sewers with smooth surface
- + For all sewer materials
- + Sealing against the outer sewer wall
- + Resistant to 0.5 bar

Sewer Saddle T-Flex - for connecting lateral pipes to existing sewers or drains

The seal of the Sewer Saddle T-Flex is formed by compression of the rubber apron against the outer sewer wall and connects laterals to existing sewers or drains with a smooth surface.

The size range of the Sewer Saddle T-Flex is designed to fit plain ended plastic pipes.

The tolerances of the Sewer Saddle T-Flex allow the use of standard core drills.



INSTALLATION



Drill and clean hole 90° to pipe axis.

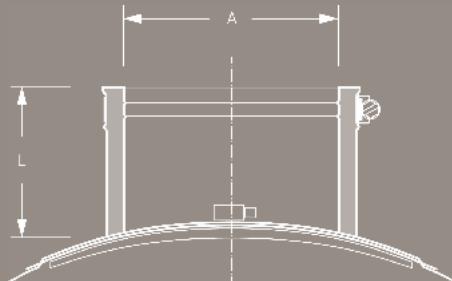


Position T-Flex centrally over cored hole and tighten clamps around the main sewer.



Push lateral pipe into saddle and tighten clamp.

DESCRIPTION



TECHNICAL SPECIFICATION

Sewer Saddle T-Flex for connecting lateral pipes to existing sewers or drains with a smooth surface.

Main Sewer
Lateral Pipe

DN/Material _____
DN/Material _____

Article Number

____ Qty ____ Price/Unit ____ Total

Manufacturer: MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
Pressure Tightness: 0.5 bar water
Sealing Material: EPDM rubber according to DIN EN 681-1
Stainless Steel: AISI 304/1.4301 according to DIN EN 10088-2
Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C
Standard/Approval: DIN EN 681-1, CE06, MPA Test Certificate No. 22 00003601-02-1

PRODUCT RANGE 

| SEWER SADDLE T-FLEX | | | | | | | | |
|---------------------|---------------|-------------------------|---------------------------------|--------------------|------------------|-----------------------|----|----------------|
| Article Number | Reference | A Size Range (mm) | Outside Ø Main Sewer (mm) | Core Drill (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
| 28104629 | T-FLEX DN 100 | 105-120 | 200-400 | 117-127 | 88 | 0,5 | 6 | 1,0 |
| 28105125 | T-FLEX DN 125 | 115-130 | 200-400 | 126-142 | 88 | 0,5 | 6 | 1,2 |
| 28106634 | T-FLEX DN 150 | 150-170 | 250-500 | 167-177 | 97 | 0,5 | 6 | 2,0 |
| 28108630 | T-FLEX DN 200 | 175-200 | 300-500 | 203-217 | 100 | 0,5 | 10 | 3,1 |

CORE DRILL

| Article Number | Reference | Core Drill (mm) | L Length (mm) | Weight (kg) |
|----------------|-------------------|--------------------|------------------|----------------|
| 32601110 | Core Drill 127 mm | 127 | 110 | 1,5 |
| 32601125 | Core Drill 142 mm | 142 | 110 | 1,6 |
| 32601160 | Core Drill 177 mm | 177 | 110 | 2,1 |
| 32601200 | Core Drill 217 mm | 217 | 110 | 2,8 |





Lateral Connector

LTC

- + Connecting PP/PVC to Twin Wall or Ultra-Rib
- + Universal connector for many sewers
- + Reliable and durable solution
- + Resistant to 0.5 bar

Lateral Connector LTC – for connecting lateral plastic pipes to existing structured walled main sewers

The Lateral Connector LTC connects smooth walled plastic pipes to existing structured walled sewers like Twin Wall or Ultra-Rib and offers an economical and easy to install solution on site.

The Lateral Connector LTC can be generally used for various structured walled sewers, depending on the wall thickness (see application advices).

INSTALLATION



Drill and clean hole 90° to pipe axis.

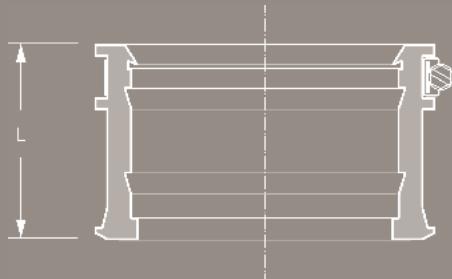


Insert LTC into main sewer.



Push lateral pipe into LTC and tighten clamp.

DESCRIPTION



TECHNICAL SPECIFICATION

Lateral Connector LTC for connecting lateral plastic pipes to existing structured walled main sewers.

Main Sewer
Lateral Pipe

DN/Material
DN _____

Article Number

____ Qty ____ Price/Unit ____ Total

Manufacturer:
Pressure Tightness:
Sealing Material:
Stainless Steel:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
0.5 bar water
EPDM rubber according to DIN EN 681-1
AISI 304/1.4301, alternatively AISI 316/1.4404 according to DIN EN 10088-2

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C
Standard/Approval: DIN EN 681-1, CE06, MPA Test Certificate No. 22 0004535

PRODUCT RANGE 

LATERAL CONNECTOR LTC FOR STRUCTURED WALLED MAIN SEWERS

| Article Number | Reference | Outside Ø Lateral Pipe (mm) | DN Main Sewer (mm) | Core Drill (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
|----------------|------------|-----------------------------------|--------------------------|--------------------|------------------|-----------------------|----|----------------|
| 32600110 | LTC DN 100 | 110 | from DN 300 | 127 | 90 | 0,5 | 6 | 0,50 |
| 32600125 | LTC DN 125 | 125 | from DN 300 | 142 | 90 | 0,5 | 6 | 0,55 |
| 32600160 | LTC DN 150 | 160 | from DN 300 | 177 | 90 | 0,5 | 6 | 0,70 |
| 32600200 | LTC DN 200 | 200 | from DN 350 | 217 | 125 | 0,5 | 6 | 1,15 |

Application advices:

- Lateral Connectors LTC DN 100, DN 125 and DN 150 can be used if the wall thickness of the main sewer is not larger than 55 mm.
- Lateral Connector LTC DN 200 can be used if the wall thickness of the main sewer is not larger than 90 mm.

CORE DRILL

| Article Number | Reference | Core Drill (mm) | L Length (mm) | Weight (kg) |
|-------------------|-------------------|--------------------|------------------|----------------|
| 32601110 | Core Drill 127 mm | 127 | 110 | 1,50 |
| 32601125 | Core Drill 142 mm | 142 | 110 | 1,60 |
| 32601160 | Core Drill 177 mm | 177 | 110 | 2,10 |
| 32601200 | Core Drill 217 mm | 217 | 110 | 2,80 |





Lateral Connector

M40

- + Connecting thin walled laterals to concrete sewers
- + Reliable and durable solution
- + EPDM rubber profile
- + Resistant to 0.5 bar

Lateral Connector M40 - for connecting thin walled lateral pipes to concrete main sewers (minimum wall thickness 45 mm)

The Lateral Connector M40 connects thin walled pipes (e.g. plastic, cast iron, etc.) to concrete main sewers with a minimum wall thickness of 45 mm.



INSTALLATION



Drill and clean hole 90° to pipe axis.



Insert M40 into main sewer.



Apply lubricant to lateral plain end and push lateral into M40.

DESCRIPTION



TECHNICAL SPECIFICATION

Lateral Connector M40 for connecting thin walled lateral pipes to existing concrete main sewers with a minimum wall thickness of 45 mm.

Main Sewer
Lateral Pipe

DN/Material _____
DN _____

Article Number _____

Qty _____ Price/Unit _____ Total _____

Manufacturer: MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
Pressure Tightness: 0.5 bar water
Jetting Resistance: 120 bar
Sealing Material: EPDM rubber according to DIN EN 681-1
Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C
Standard/Approval: DIN EN 681-1, CE06, MPA Test Certificate No. 22 1743097-02

PRODUCT RANGE 

| LATERAL CONNECTOR M40 | | | | | | | |
|-----------------------|----------------|-----------------------------------|---|--------------------|---------------------|-----------------------|----------------|
| Article Number | Reference | Outside Ø Lateral Pipe (mm) | Min. Wall Thickness Main Sewer (mm) | Core Drill (mm) | L Length (mm) | resistant to (bar) | Weight (kg) |
| 32200100 | M40 DN 100 PVC | 110 | 45 | 122 | 48 | 0,5 | 0,1 |
| 32200125 | M40 DN 125 PVC | 125 | 45 | 137 | 48 | 0,5 | 0,2 |
| 32200150 | M40 DN 150 PVC | 160 | 45 | 172 | 48 | 0,5 | 0,2 |
| 32200200 | M40 DN 200 PVC | 200 | 45 | 212 | 48 | 0,5 | 0,3 |
| 32200250 | M40 DN 250 PVC | 250 | 45 | 262 | 48 | 0,5 | 0,3 |
| 32200300 | M40 DN 300 PVC | 315 | 45 | 327 | 48 | 0,5 | 0,3 |
| 32200400 | M40 DN 400 PVC | 400 | 45 | 412 | 48 | 0,5 | 0,4 |
| 32100100 | M40 DN 100 SML | 110 | 45 | 122 | 48 | 0,5 | 0,1 |
| 32100125 | M40 DN 125 SML | 135 | 45 | 147 | 48 | 0,5 | 0,2 |
| 32100150 | M40 DN 150 SML | 160 | 45 | 172 | 48 | 0,5 | 0,2 |
| 32400100 | M40 DN 100 GGG | 118 | 45 | 130 | 48 | 0,5 | 0,2 |
| 32400150 | M40 DN 150 GGG | 170 | 45 | 182 | 48 | 0,5 | 0,2 |



Lateral Connector

M140

- + Connecting thin walled laterals to concrete sewers
- + Reliable and durable solution
- + Adaptable to pipe wall thickness
- + Resistant to 0.5 bar

Lateral Connector M140 – for connecting thin walled lateral pipes to concrete main sewers

The Lateral Connector M140 connects thin walled pipes (e.g. plastic, cast iron, etc.) to concrete main sewers.

The design of the Lateral Connector M140 allows cutting the connector to the length of the main sewer wall thickness.



INSTALLATION



Drill and clean hole 90° to pipe axis.

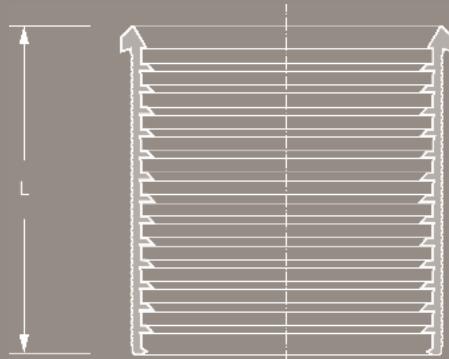


Cut M140 to length of wall thickness and insert M140 into main sewer.



Apply lubricant to lateral plain end and push lateral into M140.

DESCRIPTION



TECHNICAL SPECIFICATION

Lateral Connector M140 for connecting thin walled lateral pipes to existing concrete main sewers, covering a wall thickness of maximum 140 mm.

Main Sewer DN/Material _____
Lateral Pipe DN/Material _____

Article Number _____ Qty _____ Price/Unit _____ Total _____

Manufacturer: MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
Pressure Tightness: 0.5 bar water
Jetting Resistance: 120 bar
Sealing Material: EPDM rubber according to DIN EN 681-1
Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C
Standard/Approval: DIN EN 681-1, CE06

PRODUCT RANGE 

| LATERAL CONNECTOR M140 | | | | | | | |
|------------------------|-----------------|-----------------------------------|---|--------------------|---------------------|-----------------------|----------------|
| Article Number | Reference | Outside Ø Lateral Pipe (mm) | Min. Wall Thickness Main Sewer (mm) | Core Drill (mm) | L Length (mm) | resistant to (bar) | Weight (kg) |
| 32240100 | M140 DN 100 PVC | 110 | 45 | 122 | 155 | 0,5 | 0,4 |
| 32240125 | M140 DN 125 PVC | 125 | 45 | 137 | 155 | 0,5 | 0,4 |
| 32240150 | M140 DN 150 PVC | 160 | 45 | 172 | 155 | 0,5 | 0,6 |
| 32240200 | M140 DN 200 PVC | 200 | 45 | 212 | 155 | 0,5 | 0,7 |
| 32240250 | M140 DN 250 PVC | 250 | 45 | 262 | 155 | 0,5 | 0,9 |
| 32240300 | M140 DN 300 PVC | 315 | 45 | 327 | 155 | 0,5 | 1,0 |
| 32240400 | M140 DN 400 PVC | 400 | 45 | 412 | 155 | 0,5 | 1,1 |
| 32140100 | M140 DN 100 SML | 110 | 45 | 122 | 155 | 0,5 | 0,4 |
| 32140125 | M140 DN 125 SML | 135 | 45 | 147 | 155 | 0,5 | 0,5 |
| 32140150 | M140 DN 150 SML | 160 | 45 | 172 | 155 | 0,5 | 0,6 |
| 32440100 | M140 DN 100 GGG | 118 | 45 | 130 | 155 | 0,5 | 0,4 |
| 32440150 | M140 DN 150 GGG | 170 | 45 | 182 | 155 | 0,5 | 0,6 |



Lateral Connector



M55

- + Connecting clay laterals to concrete sewers
- + Reliable and durable solution
- + EPDM rubber profile
- + Resistant to 0.5 bar

Lateral Connector M55 – for connecting clay laterals to concrete main sewers and manholes

The Lateral Connector M55 connects plain ended clay pipes to concrete main sewers or manholes with a minimum wall thickness of 60 mm.



INSTALLATION



Drill and clean hole 90° to pipe axis.

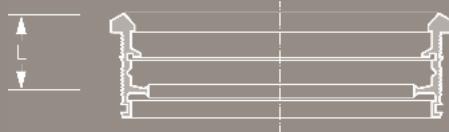


Insert M55 into main sewer.



Apply lubricant to plain ended lateral and push lateral into M55.

DESCRIPTION



TECHNICAL SPECIFICATION

Lateral Connector M55 for connecting clay laterals to concrete main sewers with a minimum wall thickness of 60 mm.

Main Sewer
Lateral Pipe

DN/Material
DN/Material

Article Number

Qty Price/Unit Total

| | |
|-------------------------|--|
| Manufacturer: | MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55 |
| Pressure Tightness: | 0.5 bar water |
| Jetting Resistance: | 120 bar |
| Sealing Material: | EPDM rubber according to DIN EN 681-1 |
| Temperature Resistance: | -40°C to +120°C, temporary max. temperature +160°C |
| Standard/Approval: | DIN EN 681-1, CE06, MPA Test Certificate No. 22 1743097-01 |

PRODUCT RANGE 

| LATERAL CONNECTOR M55 | | | | | | | |
|-----------------------|-------------------|-----------------------------------|---|--------------------|---------------------|-----------------------|----------------|
| Article Number | Reference | Outside Ø Lateral Pipe (mm) | Min. Wall Thickness Main Sewer (mm) | Core Drill (mm) | L Length (mm) | resistant to (bar) | Weight (kg) |
| 32051100 | M55 DN 100 Clay | 131 | 60 | 146 | 65 | 0,5 | 0,2 |
| 32051150 | M55 DN 150 Clay | 186 | 60 | 200 | 65 | 0,5 | 0,3 |
| 32051200 | M55 DN 200 N Clay | 242 | 60 | 257 | 65 | 0,5 | 0,4 |
| 32051250 | M55 DN 250 N Clay | 299 | 60 | 315 | 65 | 0,5 | 0,5 |



B-RING

- + Connecting clay laterals to clay sewers
- + From clay sewer DN 300
- + Preformed EPDM rubber profile
- + Resistant to 0.5 bar

B-Ring – for connecting clay laterals to clay main sewers

The B-Ring according to DIN EN 295-4 connects plain ended clay pipes and fittings to clay main sewers.

Both B-Ring and clay fitting form an economical solution when connecting to existing sewers.



INSTALLATION



Drill and clean hole 90° to pipe axis.

Insert B-Ring according to the peak marking. Push clay lateral into B-Ring.



DESCRIPTION



TECHNICAL SPECIFICATION

B-Ring for connecting clay laterals to clay main sewers.

Main Sewer
Lateral Pipe DN/Material
DN/Material

Article Number

____ Qty ____ Price/Unit ____ Total

Manufacturer: MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
Pressure Tightness: 0.5 bar water
Sealing Material: EPDM rubber according to DIN EN 681-1
Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C
Standard/Approval: DIN EN 295-4, CE06

PRODUCT RANGE 

| B-RING | | | | | | | |
|----------------|--------------------|-----------------------------------|---------------------------------|--------------------|---------------------|-----------------------|----------------|
| Article Number | Reference | Outside Ø Lateral Pipe (mm) | from Clay Main Sewer (mm) | Core Drill (mm) | L Length (mm) | resistant to (bar) | Weight (kg) |
| 34160150 | B-Ring DN 150 Clay | 186 | 300 | 200 | 30 | 0,5 | 0,2 |
| 34160200 | B-Ring DN 200 Clay | 242 | 400 | 257 | 30 | 0,5 | 0,3 |



NON-RATTLE-RING

- + Avoids rattling of manhole covers
- + Protects the entire manhole
- + Rigid shape (hardness 90 IRHD)
- + Long-Life through EPDM mold

Non-Rattle-Ring - avoids rattling of damaged manhole covers

The Non-Rattle-Ring avoids rattling of old damaged manhole covers.

Through the EPDM rubber hardness of 90 IRHD a long-term protection against rattling is achieved.

The rigidity of the Non-Rattle-Ring allows an easy installation.



INSTALLATION



Clean cover frame.

Insert Non-Rattle-Ring.

Pull cover back in.

DESCRIPTION

TECHNICAL SPECIFICATION

Non-Rattle-Ring for the protection of damaged manhole covers against rattling.

| Internal Dimension | External Dimension | Manhole Cover |
|--------------------|--------------------|---|
| 600 mm | 665 mm | DIN 4290 (Class B) |
| 600 mm | 682 mm | DIN 19584 (Class D, E, F) Ö-Norm B 5110 |

DIN Qty Price/Unit Total
 DIN Qty Price/Unit Total

Manufacturer: MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
Sealing Material: EPDM rubber according to DIN EN 681-1, hardness 90 IRHD
Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C
Standard/Approval: DIN EN 681-1, CE06



PRODUCT RANGE

NON-RATTLE-RING

| Article Number | Reference | Class | A Ext. Dimension (mm) | B Int. Dimension (mm) | L Length (mm) | Weight (kg) |
|----------------|------------------------|---------|-----------------------------|-----------------------------|---------------------|----------------|
| 7060066 | AKR DIN 4290 | B | 666 | 600 | 2 | 0,1 |
| 7060068 | AKR DIN 19584 & Ö-Norm | D, E, F | 682 | 600 | 2 | 0,1 |
| 7002050 | AKR-Strip 50 mm wide | - | - | - | 2 | 0,1 |





ANTIFREEZE RING FOR HYDRANTS

- + Prevents the freezing of surface boxes
- + Flexible and adoptable
- + Protects against ingressing water and dirt
- + Long-Life through EPDM mold

Antifreeze Ring for Hydrants – prevents the freezing of surface boxes

The Antifreeze Ring for Hydrants is made from non-ageing EPDM rubber which makes any greasing unnecessary during winter times and offers a perfect protection against the freezing of the surface box.

Furthermore the hydrants are protected against ingressing water and dirt.

INSTALLATION



Clean cover frame.

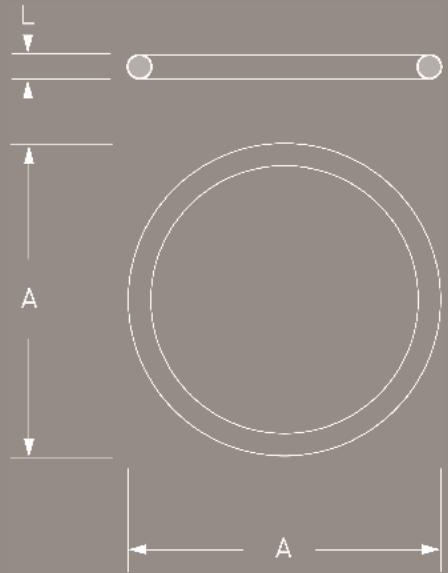
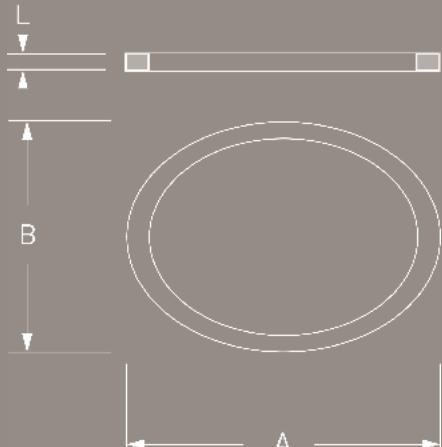


Insert Antifreeze Ring.



Close cover.

DESCRIPTION



PRODUCT RANGE 

ANTIFREEZE RING FOR HYDRANTS

| Article Number | Reference | Class | A (mm) | B (mm) | L (mm) | Weight (kg) |
|----------------|--|------------|-----------|-----------|-----------|----------------|
| 7204055 | Ring for Underground Hydrant DN 80, DIN 4055 | 341/236 mm | 341 | 236 | 2 | 0,1 |
| 7204056 | Ring for Surface Box, DIN 4056 | 157 mm | 157 | 157 | 2 | 0,1 |
| 7204057 | Ring for Surface Box, DIN 4057/38 (A) | 92 mm | 92 | 92 | 2 | 0,1 |
| 7214057 | Ring for Surface Box, DIN 4057/74 (B) | 118 mm | 118 | 118 | 2 | 0,1 |

TECHNICAL SPECIFICATION 

The Antifreeze Ring for Hydrants prevents the freezing of surface boxes as well as the ingress of water and the other contaminations.

Ring for Underground Hydrant DN 80 (341/236 mm), DIN 4055

Qty Price/Unit Total

Ring for Surface Box (157 mm), DIN 4056

Qty Price/Unit Total

Ring for Surface Box (92 mm), DIN 4057/38 (A)

Qty Price/Unit Total

Ring for Surface Box (118 mm), DIN 4057/74 (B)

Qty Price/Unit Total

Manufacturer: MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55

Sealing Material: EPDM rubber according to DIN EN 681-1

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C

Standard/Approval: DIN EN 681-1, CE06



LUBRICANT

- + Jointing forces are minimised
- + Compatibility with other sealing materials
- + For plastic, clay and concrete pipes
- + Various package sizes

Lubricant – minimizing the jointing forces for pipe laying

Lubricant is used to minimize the jointing forces when laying pipes such as plastic, clay or concrete.

Lubricant is compatible with other sealing materials.



INSTALLATION



Clean socket and spigot.

Apply lubricant to socket and spigot.

Push pipes together.

TECHNICAL SPECIFICATION

Lubricant for minimizing the jointing forces for pipe laying.

Pipe Material

Package Size

Qty Price/Unit Total

Manufacturer:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55

Scope of Application:

Plastic Pipes (White), Clay Pipes (Blue), Concrete Pipes (Gray)

Packaging Size:

White 250 g Tube, 500 g Tube, 1 kg Can, 3 kg Pail

Blue 1 kg Can, 3 kg Pail

Gray 5 kg Pail, 10 kg Pail

Standard/Approval:

CE06, Safety Data Sheet (EU) No. 1907/2006

PRODUCT RANGE 

| LUBRICANT | | | | |
|----------------|-----------------------|--------------------|-------------------|-------------|
| Article Number | Reference | Pipe Material | Content Packaging | Weight (kg) |
| 25060004 | Lubricant White 250 g | for plastic pipes | 250 g Tube | 0,3 |
| 25060005 | Lubricant White 500 g | for plastic pipes | 500 g Tube | 0,5 |
| 25060011 | Lubricant White 1 kg | for plastic pipes | 1 kg Can | 1,1 |
| 25060030 | Lubricant White 3 kg | for plastic pipes | 3 kg Pail | 3,1 |
| 25061011 | Lubricant Blue 1 kg | for clay pipes | 1 kg Can | 1,1 |
| 25061030 | Lubricant Blue 3 kg | for clay pipes | 3 kg Pail | 3,2 |
| 25061011 | Lubricant Gray 5 kg | for concrete pipes | 5 kg Pail | 5,2 |
| 25061030 | Lubricant Gray 10 kg | for concrete pipes | 10 kg Pail | 10,5 |



SHUTTERING-KIT FOR MANHOLE COVERS

- + Repair of Manhole Covers
- + Easy to install
- + Pour pipe included

Shuttering-Kit – for the repair of manhole covers

The Shuttering-Kit is used to apply poured mortar underneath the manhole frame, with a 620 mm diameter for new alignment.

After hardening of the poured mortar the Shuttering-Kit for manhole covers is reusable.

INSTALLATION



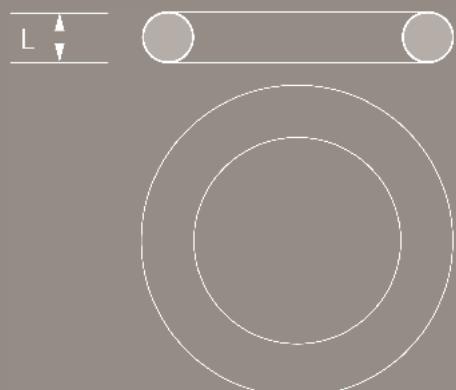
Lift manhole frame.



Blow up and position Shuttering-Kit. Then fill mortar into pour pipe.



DESCRIPTION



TECHNICAL SPECIFICATION

Shuttering-Kit for the repair of manhole covers incl. pour pipe.

Article Number _____

____ Qty ____ Price/Unit ____ Total

Manufacturer:
Standard/Approval:

MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
CEO6

PRODUCT RANGE

SHUTTERING-KIT FOR MANHOLE COVERS

| Article Number | Reference | Description | L Length (mm) | Weight (kg) |
|----------------|--|--|------------------|-------------|
| 10062512 | Shuttering-Kit Niveaufix DIN 4290 / 19584 | Shuttering-Kit incl. pour pipe, L 625 mm | 230 | 1,9 |



END CAP

- + Sealing of pipe ends
- + For use inside and outside of buildings
- + Clamps in stainless steel
- + Resistant to 0.6 bar

End Cap - for the long and short term sealing of pipe ends

The End Cap is used for the long and short term sealing of pipe ends to prevent ingress of dirt or water.

The End Cap can be used inside and outside of building.

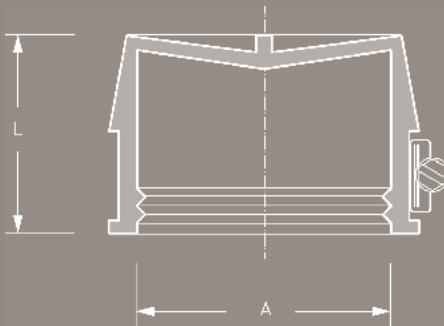
INSTALLATION



Slide End Cap over pipe end.

Tighten clamps.

DESCRIPTION



TECHNICAL SPECIFICATION

End Cap for the long and short term sealing of pipe ends.

Pipe DN/Material _____

Article Number _____

Qty _____ Price/Unit _____ Total _____

Manufacturer: MÜCHER DICHTUNGEN®, D-50226 Frechen, T +49 2234 928 03-0, F-55
Pressure Tightness: 0.6 bar water

Sealing Material: EPDM rubber according to DIN EN 681-1

Stainless Steel: AISI 304/1.4301, alternatively AISI 316/1.4404 according to
DIN EN 10088-2

Temperature Resistance: -40°C to +120°C, temporary max. temperature +160°C

Standard/Approval: DIN EN 681-1, CE06

PRODUCT RANGE

END CAP

| Article Number | Reference | A Size Range (mm) | L Length (mm) | resistant to (bar) | Nm | Weight (kg) |
|----------------|-----------|----------------------|------------------|-----------------------|----|-------------|
| 21474015 | End Cap 4 | 105-115 | 40 | 0,6 | 6 | 0,20 |
| 21475020 | End Cap 5 | 130-140 | 40 | 0,6 | 6 | 0,20 |
| 21476028 | End Cap 6 | 155-165 | 40 | 0,6 | 6 | 0,30 |
| 21478016 | End Cap 8 | 205-215 | 40 | 0,6 | 6 | 0,30 |

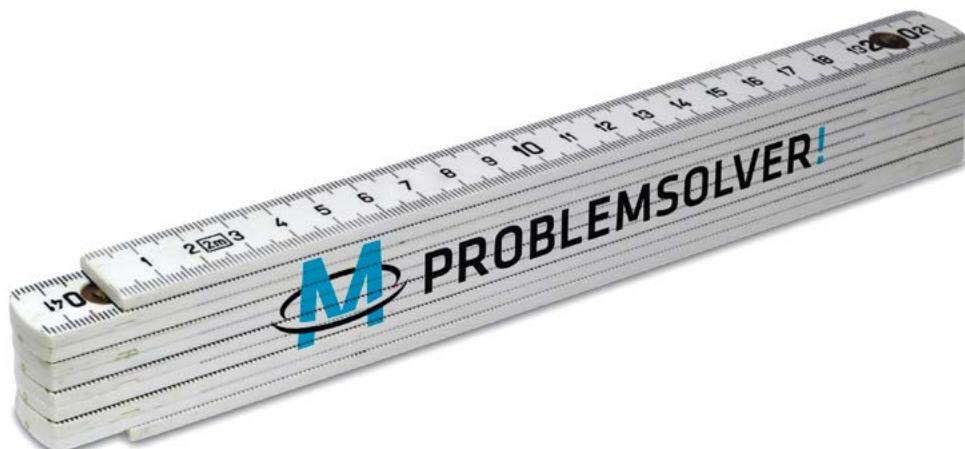


CLAY PIPES, ACCORDING TO DIN EN 295 ➤

| NORMAL STRENGTH | | | | HIGH STRENGTH | | | |
|-----------------|-------------|------------------|-----------------------------------|---------------|------------|------------------|---|
| DN | DIN 1230 | Steinzeug-Keramo | Steinzeug-Keramo Jacking Pipes dM | DN | DIN 1230 | Steinzeug-Keramo | |
| 100 | 131 +/- 3 | 131 +/- 3 | - | 100 | - | - | - |
| 125 | 159 +/- 3,5 | 159 +/- 3,5 | - | 125 | - | - | - |
| 150 | 186 +/- 4 | 186 +/- 4 | 213 +0/-4 | 150 | - | - | - |
| 200 | 242 +/- 5 | 242 +/- 5 | 276 +0/-6 | 200 | 262 +/- 5 | 254 +/- 5 | |
| 250 | 296 +/- 6 | 299 +/- 6 | 360 +0/-6 | 250 | 318 +/- 6 | 318 +/- 6 | |
| 300 | 350 +/- 7 | 355 +/- 7 | 406 +0/-10 | 300 | 374 +/- 7 | 376 +/- 7 | |
| 350 | 404 +/- 7 | 417 +/- 7 | - | 350 | 430 +/- 7 | 417 +/- 7 | |
| 400 | 460 +/- 8 | 486 +/- 8 | 556 +0/-12 | 400 | 490 +/- 7 | 492 +/- 8 | |
| 450 | 524 +/- 8 | - | - | 450 | 548 +/- 8 | 548 +/- 8 | |
| 500 | 581 +/- 9 | 581 +/- 9 | 661 +0/-15 | 500 | 607 +/- 9 | 609 +/- 9 | |
| 600 | 687 +/- 12 | 687 +/- 12 | 766 +0/-18 | 600 | 721 +/- 12 | 725 +/- 12 | |
| 700 | 790 +/- 15 | 831 +/- 15 | 870 +0/-24 | 700 | 831 +/- 15 | 858 +/- 12 | |
| 800 | 895 +/- 17 | 949 +/- 17 | 970 +0/-24 | 800 | 941 +/- 17 | 959 +/- 12 | |
| 900 | 1002 +/- 20 | 1008 +/- 20 | 1096 +0/-28 | 900 | - | 1084 +/- 14 | |
| 1000 | 1109 +/- 23 | 1119 +/- 23 | 1275 +0/-30 | 1000 | - | 1273 +/- 15 | |
| 1200 | - | 1320 +/- 28 | 1475 +0/-36 | 1200 | - | 1457 +/- 18 | |

| VARIOUS PIPE MATERIALS | | | | | | | |
|------------------------|----------|--------------------------|-----------------------|------|-----------|------------------------|-----------------|
| DN | PP / PVC | SML / BML (cast iron) | GGG (ductile iron) | GRP | ULTRA RIB | Concrete reinforced | Fibre Cement |
| 100 | 110 | 110 | 118 | - | - | approx. 144 | 116 |
| 125 | 125 | 135 | 144 | - | - | - | 141 |
| 150 | 160 | 160 | 170 | 168 | 170 | approx. 198 | 168 |
| 200 | 200 | 210 | 222 | 220 | 225 | approx. 252 | 220 |
| 250 | 250 | 274 | 274 | 272 | 280 | approx. 310 | 273 |
| 300 | 315 | 326 | 326 | 324 | 335 | approx. 420 / 440 | 328 |
| 350 | 355 | - | 378 | 376 | - | - | 384 |
| 400 | 400 | 429 | 429 | 427 | 450 | approx. 550 | 432 |
| 450 | 450 | - | 480 | 478 | - | - | 486 |
| 500 | 500 | 532 | 532 | 530 | 560 | approx. 670 | 540 |
| 600 | 630 | 635 | 635 | 616 | - | approx. 800 | 646 |
| 700 | 710 | - | 738 | 718 | - | approx. 930 | 750 |
| 800 | 800 | - | 842 | 820 | - | approx. 1060 | 858 |
| 900 | 900 | - | 945 | 924 | - | approx. 1190 | 963 |
| 1000 | 1000 | - | 1048 | 1026 | - | approx. 1320 | 1068 |
| 1100 | - | - | 1152 | 1099 | - | approx. 1450 | - |
| 1200 | 1200 | - | 1255 | 1229 | - | approx. 1580 | 1281 |

Technical changes reserved – May 2016.





ORDERING

When ordering couplings or bushes, it is essential to specify the size and type of pipes to be joined. **The outside diameter of the pipe(s) is the critical dimension needed to specify the correct coupling and/or bush.**

Mücher maintains an extensive stock of all types and sizes of couplings, whereas the most popular required are also available from many stockists Europewide.

All couplings and bushes over 620 mm diameter are manufactured to suit specific site requirements, therefore measurement of the outside diameter of the pipes to be joined is strongly recommended before ordering these couplings.

DELIVERY

Ordered a.m. – supplied next day! Any a.m. incoming standard sized orders can be supplied next day either for stock or directly to site.

Our operational processes from consulting to supplying is completed within a short period of time.

We are very flexible and work alongside our logistical partners to deliver:



The right product!  At the right time!  To any destination!

THE MÜCHER-COMMITMENT »



CONSULTING



DELIVERY



INNOVATION



AVAILABILITY



SECURITY

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CIVILS

PLUMBING