



gebounifix



UNIFIX MINI

pages 170-171

The small, light and quick repair solution for sealing holes, fractures and porous areas in water-bearing pipes. Suitable for steel, black steel, copper and stainless steel piping, as well as for the temporary repair of PE and PVC pipes. Available for 21–93 mm outside pipe diameter and in 60 or 100 mm length.



UNIFIX MIDDLE

pages 172-173

Our sealing clamp is suitable to seal water-bearing as well as gas-bearing pipes. Middle is available up to an outside pipe diameter of 118 mm and in length of 100 and 150 mm.



UNIFIX TAPPING SADDLE

pages 174-175

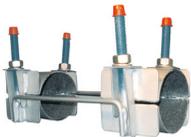
The extremely economical solution for creating additional branches. The clamp as well as the 60 mm wide and 1.5 mm thick mounting bands are completely made of stainless steel.



UNIFIX MAXI

pages 176-203

The classic for civil engineering. For sealing gas- or water-bearing steel, cast iron, ductile cast iron and fibre cement pipes, as well as for repairing PE and PVC pipes. Maxi is available as one, two or three part version, as well as with threaded or flanged outlet.



HOLDERS

pages 218

The suitable solution to protect non-restrained pipe connections from sliding



MAXI BOX S, L, XL

pages 219

With these three repair boxes you are flexible in reacting to various repair situations.



DO YOU KNOW THE EASY FUNCTION?

ALL PRODUCTS WITH THE EASY SYMBOL ARE EQUIPPED WITH EASY GRIP FUNCTION.

The Easy Grip function is an „installation aid“, which makes the installation of stainless steel clamps significantly easier and installation times significantly shorter.

The result are savings in time, costs and energy!

It works as follows:



Side supports in all Middle and Maxi clamps are fitted with hooks.

These hooks are designed for attaching a typical ring wrench or open-end wrench.

The EasyGrip function follows the lever principle: Press the lower edge of the clamp and the combination wrench together with one hand. The mobile holder can now comfortably be placed on the upper edge of the stainless steel clamp using the other hand.
Tighten nuts and done!

**NEVER BEFORE HAS THE INSTALLATION OF STAINLESS STEEL
SEALING CLAMPS BEEN SO EASY!**

UNIFIX MINI – SEALING CLAMPS OF STAINLESS STEEL

APPLICATION: for sealing holes, cracks and porous areas in water-bearing pipes.

SUITABLE FOR

STEEL PIPES | BLACK STEEL PIPES | STAINLESS STEEL PIPES | COPPER PIPES

and for temporary repairs in cold water areas:

PE PIPES | PVC PIPES | MULTILAYER PIPES

FEATURES OF UNIFIX-MINI CLAMPS:

- **Sealing of holes, cracks and porous areas in water-bearing pipes with a smooth surface.**
- The strong honeycomb structure of the seal (EPDM approved for drinking water systems) provides an improved compensation for pipe irregularities.
- Installation of the Mini clamp in a limited mounting space (7 mm is sufficient!) is easily feasible.
- **Pressure stages:** water PN 10, **temperature:** water up to 90°C
- Sealing band, bridge and threaded bolts of stainless steel.
- Fully glued gasket.
- Extremely easy installation.
- **Two lengths of clamps: 60 mm (with one bolt) or: 100 mm (with two bolts).**



| LENGTH 60 MM | | |
|--------------|----------------------|-----------------|
| Length [m] | Pipe diameter-Ø [mm] | Code |
| 60 | 21–25 | 51.01.021025.06 |
| 60 | 26–30 | 51.01.026030.06 |
| 60 | 33–37 | 51.01.033037.06 |
| 60 | 38–42 | 51.01.038042.06 |
| 60 | 42–45 | 51.01.042045.06 |
| 60 | 48–51 | 51.01.048051.06 |
| 60 | 55–58 | 51.01.055058.06 |
| 60 | 60–64 | 51.01.060064.06 |
| 60 | 69–73 | 51.01.069073.06 |
| 60 | 74–80 | 51.01.074080.06 |
| 60 | 87–93 | 51.01.087093.06 |

LENGTH 100 MM

| Length [m] | Pipe diameter-Ø [mm] | Code |
|------------|----------------------|------------------------|
| 100 | 21 – 25 | 51.01.021025.10 |
| 100 | 26 – 30 | 51.01.026030.10 |
| 100 | 33 – 37 | 51.01.033037.10 |
| 100 | 42 – 45 | 51.01.042045.10 |
| 100 | 48 – 51 | 51.01.048051.10 |
| 100 | 55 – 58 | 51.01.055058.10 |
| 100 | 60 – 64 | 51.01.060064.10 |
| 100 | 69 – 73 | 51.01.069073.10 |
| 100 | 74 – 80 | 51.01.074080.10 |
| 100 | 87 – 93 | 51.01.087093.10 |



As standard, all products are fitted with EPDM sealing for drinking water.

The NBR sealing is available at no extra charge. In this case, the article codes start with 50.

ASSEMBLY INSTRUCTIONS FOR UNIFIX MINI

Stainless steel sealing clamps (lengths 60 and 100 mm)

PREPARATION:

1. Clean the pipe around the damaged area to remove dirt.
2. Make sure that the pipe outer diameter corresponds to the range for the respective sealing clamp.
3. The sealing and the pipe can be moistened with soapy water to increase the assembly efficiency.
(mixing ratio 1 (Soap) : 5 (Water))
4. Loosen the nuts on the screws to the end of the thread.

**Assembly steps:**

1. Pull up the stainless steel bridge and open the clamp.



2. Bend the sealing clamp around the pipe and hook in the stainless steel bridge again. Please be sure the damaged spot is as much as possible covered by the sealing sleeve. (The distance between the outer edge of the damaged area and the outer edge of the sealing clamp may not be less than 2 cm each side).

Note: The steps listed above may also be performed next to the repair area and then slide the installed sealing clamp over the damaged area.



3. Tighten the nuts uniformly with a torque of 20 Nm.
After about 15–20 minutes retighten the nuts again with a torque of 20 Nm.
After the repair has been made a compression test must be performed.

UNIFIX MIDDLE – SEALING CLAMPS OF STAINLESS STEEL

EASY
GRIP

APPLICATION: for sealing holes, cracks and porous areas in water- or gas-bearing pipes.

SUITABLE FOR

STEEL PIPE | COPPER PIPE | STAINLESS STEEL PIPE | BLACK STEEL PIPE | CAST IRON PIPE | DUCTILE CAST IRON PIPE | FIBRE CEMENT PIPE

and for temporary repairs in cold water systems:

PE PIPES | PVC PIPES

FEATURES OF UNIFIX-MIDDLE CLAMPS:

- **Suitable for sealing holes, cracks and porous areas in water- or gas-bearing pipes** with a smooth surface.
- The EPDM sealing approved for drinking water or NBR sealing for gas (DIN DVGW). (Caution: for gas-bearing pipes only outside building)
- **Pressure stages:** water PN 16, gas PN 4; **temperatures:** water up to 90°C, gas from -5 to +50°C.
- Sealing band, bridge and threaded bolts of stainless steel 1.4301 (V2A) similar to AISI 304.
- Fully glued gasket
- Threaded bolts with blue Teflon coating and caps for thread protection.
- **In lengths 100 mm (with one threaded bolts) and 150 mm (with two threaded bolts) available.**

On request, clamps with threaded outlet are available!

UNIFIX MIDDLE – SEALING CLAMPS OF STAINLESS STEEL

EASY
GRIP

UNIFIX MIDDLE, LENGTH 100 MM (WITH ONE THREADED BOLT)

| Length [m] | Pipe diameter- \varnothing [mm] | Code |
|------------|-----------------------------------|-----------------|
| 100 | 32 – 36 | 51.02.032036.10 |
| 100 | 40 – 44 | 51.02.040044.10 |
| 100 | 44 – 51 | 51.02.044051.10 |
| 100 | 48 – 55 | 51.02.048055.10 |
| 100 | 50 – 57 | 51.02.050057.10 |
| 100 | 52 – 59 | 51.02.052059.10 |
| 100 | 56 – 63 | 51.02.056063.10 |
| 100 | 58 – 65 | 51.02.058065.10 |
| 100 | 60 – 67 | 51.02.060067.10 |
| 100 | 75 – 83 | 51.02.075083.10 |
| 100 | 87 – 95 | 51.02.087095.10 |
| 100 | 108 – 118 | 51.02.108118.10 |



UNIFIX MIDDLE, LENGTH 150 MM (WITH TWO THREADED BOLTS)

| Length [m] | Pipe diameter- \varnothing [mm] | Code |
|------------|-----------------------------------|-----------------|
| 150 | 32 – 36 | 51.02.032036.15 |
| 150 | 40 – 44 | 51.02.040044.15 |
| 150 | 44 – 51 | 51.02.044051.15 |
| 150 | 48 – 55 | 51.02.048055.15 |
| 150 | 50 – 57 | 51.02.050057.15 |
| 150 | 52 – 59 | 51.02.052059.15 |
| 150 | 56 – 63 | 51.02.056063.15 |
| 150 | 58 – 65 | 51.02.058065.15 |
| 150 | 60 – 67 | 51.02.060067.15 |
| 150 | 75 – 83 | 51.02.075083.15 |
| 150 | 87 – 95 | 51.02.087095.15 |
| 150 | 108 – 118 | 51.02.108118.15 |



As standard, all products are fitted with EPDM sealing for drinking water.

The NBR sealing for water and gas is available at no extra charge.

In this case, the article codes start with 50.

UNIFIX TAPPING SADDLES WITH FEMALE THREAD



A cost-effective alternative for creating branches!



FEATURES OF UNIFIX TAPPING SADDLES WITH FEMALE THREAD

- Suitable for creating for making branches of water- or gas-bearing pipes.
- The tapping saddles are made of stainless steel 1.4301 (V2A) similar to AISI 304 and are available with EPDM sealing (for drinking water) or NBR sealing (for gas). (Caution: only for gas-bearing pipes outside buildings)
- The mounting bands are also made of stainless steel and lined inside with a smooth rubber collar. This prevents damage, particularly in plastic pipes and prevents the tapping saddle from slipping.

LENGTH UPPER SHELL:: 125 MM AT BRANCHES UP TO 1 1/4"; 150 MM AT BRANCHES UP TO 1 1/2"

| Length [m] | Thread size [inch] | Code |
|---------------------|--------------------|-------------------|
| 88 – 110 DN 80 | 1/2" | 51.21.088110.12.1 |
| | 3/4" | 51.21.088110.12.2 |
| | 1" | 51.21.088110.12.3 |
| | 1 1/4" | 51.21.088110.12.4 |
| 108 – 134 DN 100 | 1/2" | 51.21.108134.12.1 |
| | 3/4" | 51.21.108134.12.2 |
| | 1" | 51.21.108134.12.3 |
| | 1 1/4" | 51.21.108134.12.4 |
| | 1 1/2" | 51.21.108134.12.5 |
| 114 – 139 DN 125 | 2" | 51.21.108134.12.6 |
| | 1/2" | 51.21.114139.12.1 |
| | 3/4" | 51.21.114139.12.2 |
| | 1" | 51.21.114139.12.3 |
| | 1 1/4" | 51.21.114139.12.4 |
| | 1 1/2" | 51.21.114139.12.5 |
| | 2" | 51.21.114139.12.6 |

LENGTH UPPER SHELL.: 125 MM AT BRANCHES UP TO 1 1/4", 150 MM AT BRANCHES UP TO 1 1/2"

| Length [m] | Thread size [inch] | Code |
|---------------------|--------------------|-------------------|
| 138 – 160 DN 150 | 1/2" | 51.21.138160.15.1 |
| | 3/4" | 51.21.138160.15.2 |
| | 1" | 51.21.138160.15.3 |
| | 1 1/4" | 51.21.138160.15.4 |
| | 1 1/2" | 51.21.138160.15.5 |
| | 2" | 51.21.138160.15.6 |
| 159 – 180 DN 175 | 1/2" | 51.21.159180.15.1 |
| | 3/4" | 51.21.159180.15.2 |
| | 1" | 51.21.159180.15.3 |
| | 1 1/4" | 51.21.159180.15.4 |
| | 1 1/2" | 51.21.159180.15.5 |
| | 2" | 51.21.159180.15.6 |
| 190 – 218 DN 200 | 1/2" | 51.21.190218.15.1 |
| | 3/4" | 51.21.190218.15.2 |
| | 1" | 51.21.190218.15.3 |
| | 1 1/4" | 51.21.190218.15.4 |
| | 1 1/2" | 51.21.190218.15.5 |
| | 2" | 51.21.190218.15.6 |
| 216 – 238 DN 225 | 1/2" | 51.21.216238.15.1 |
| | 3/4" | 51.21.216238.15.2 |
| | 1" | 51.21.216238.15.3 |
| | 1 1/4" | 51.21.216238.15.4 |
| | 1 1/2" | 51.21.216238.15.5 |
| | 2" | 51.21.216238.15.6 |
| 230 – 260 DN 250 | 1/2" | 51.21.230260.15.1 |
| | 3/4" | 51.21.230260.15.2 |
| | 1" | 51.21.230260.15.3 |
| | 1 1/4" | 51.21.230260.15.4 |
| | 1 1/2" | 51.21.230260.15.5 |
| | 2" | 51.21.230260.15.6 |
| 265 – 285 DN 275 | 1/2" | 51.21.265285.15.1 |
| | 3/4" | 51.21.265285.15.2 |
| | 1" | 51.21.265285.15.3 |
| | 1 1/4" | 51.21.265285.15.4 |
| | 1 1/2" | 51.21.265285.15.5 |
| | 2" | 51.21.265285.15.6 |

As standard, all products are fitted with EPDM sealing for drinking water. The NBR sealing for water and gas is available at no extra charge. In this case, the article codes start with 50.

UNIFIX MAXI

Suitable for sealing water- or gas-bearing pipes

Available in one, two or three part versions, or with threaded or flanged outlet!

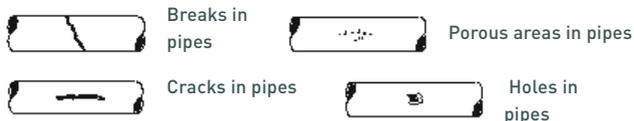
SUITABLE FOR

STEEL PIPES | CAST IRON PIPES | DUCTILE CAST IRON PIPES | FIBRE-CEMENT PIPES

and for sealing in cold water areas

PE PIPES | PVC PIPES

Unifix Maxi clamps can be used in the case of the following damage or installation situations:



FEATURES OF UNIFIX MAXI CLAMPS

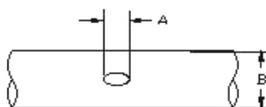
- **Suitable for sealing water- or gas-bearing pipes (note: gas-bearing pipes only outside buildings).**
- **Our sealing clamps are 100% made of 1.4301 (V2A) stainless steel** - similar to AISI 304, and are suitable for quick and permanent repairs of cracked, perforated or porous pipes. For applications that require higher overall strength (wastewater treatment plants, chemical industry, increased chloride content) we offer Maxi clamps made of stainless steel V4A - AISI316.
- **The bolts** are welded to the clamp, so only the stainless steel bridge is movable. This prevents any part of the clamp from getting lost during assembly work.
- The welding during manufacturing is performed by robots to ensure continuous precision and quality (welding as per EN15614-1). After welding process, the repair clamps are passivated to protect them against corrosion.
- **The bolts** are Teflon coated. This ensures lifelong durability.
- **The nuts** are passivated and guarantee free movement.
- The mounting range is embossed on the sealing clamp and thus legible for many years after its installation.
- All products are standard equipped with EPDM seals for drinking water, but are also available with NBR seals for gas (DIN DVGW tested) or viton seals upon request.
- Regular tests ensure the high quality of the GEBU Unifix series.

SELECTING THE RIGHT MAXI CLAMP WITH THE RIGHT LENGTH

In the following is an overview of the dimensions for which you can use Maxi clamps in one-, two- or three-part versions.

| Range: sections [mm] | Maxi 1 (one-part) | Maxi 2 (two-part) | Maxi 3 (three-part) |
|----------------------|----------------------|----------------------|------------------------|
| 48–87 | X | | |
| 88–269 | X | X | |
| 270–350 | X | X | X |
| 351–835 | | X | X |
| 836–970 | | | X |

To determine the correct length of the sealing clamp, add the size of the damaged area (A) and the pipe diameter (B). In the case of PE pipes, add 50% of their value to the sum obtained.



TEMPERATURES: Water up to 90°C, gas from -5 to +50°C

PRESSURE STAGES:

The permissible pressure stages vary depending on the type of pipe, its outer diameter, type of damage and the use of one-part or multi-part sealing clamp. The following values should be taken as a basis:

| Pipe outer- ϕ [mm] | Pressure stage [bar] | |
|-------------------------|----------------------|-----|
| | Water | Gas |
| MAXI 1 (one-part clamp) | | |
| 48–102 | 16 | 5 |
| 106–230 | 16 | 4 |
| 237–350 | 10 | 3 |

| Pipe outer- ϕ [mm] | Pressure stage [bar] | |
|-------------------------|----------------------|-----|
| | Water | Gas |
| MAXI 2 (two-part clamp) | | |
| 88–282 | 16 | 4 |
| 295–510 | 10 | 3 |
| 510–530 | 6 | – |

| Pipe outer- ϕ [mm] | Pressure stage [bar] | |
|---------------------------|----------------------|-----|
| | Water | Gas |
| MAXI 3 (three-part clamp) | | |
| 270–460 | 10 | 3 |
| 475–630 | 6 | 2 |

| Pipe outer- ϕ [mm] | Pressure stage [bar] | |
|---------------------------|----------------------|-----|
| | Water | Gas |
| MAXI 3 (three-part clamp) | | |
| 654–780 | 4 | – |
| 813–1000 | 2 | – |

LENGTH / BOLTS:

| Length [mm] | Number of bolts |
|-------------|-----------------|
| 150 | 2 |
| 200 | 2 |
| 300 | 3 |
| 400 | 4 |
| 500 | 5 |

| Length [mm] | Number of bolts |
|-------------|-----------------|
| 600 | 6 |
| 700 | 7 |
| 800 | 8 |
| 900 | 9 |
| 1000 | 10 |

MAXI 1 - ONE-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 150 M, WITH TWO BOLTS



| DN | Installation length [mm] | Pipe outer- ϕ [mm] | Code |
|-----|--------------------------|-------------------------|------------------------|
| 40 | 150 | 48 – 55 | 51.03.048055.15 |
| | 150 | 52 – 59 | 51.03.052059.15 |
| 50 | 150 | 60 – 67 | 51.03.060067.15 |
| | 150 | 67 – 74 | 51.03.067074.15 |
| 65 | 150 | 70 – 77 | 51.03.070077.15 |
| | 150 | 73 – 80 | 51.03.073080.15 |
| | 150 | 76 – 85 | 51.03.076085.15 |
| | 150 | 82 – 90 | 51.03.082090.15 |
| 80 | 150 | 87 – 95 | 51.03.087095.15 |
| | 150 | 90 – 98 | 51.03.090098.15 |
| | 150 | 95 – 105 | 51.03.095105.15 |
| | 150 | 98 – 108 | 51.03.098108.15 |
| | 150 | 102 – 112 | 51.03.102112.15 |
| 100 | 150 | 106 – 116 | 51.03.106116.15 |
| | 150 | 108 – 118 | 51.03.108118.15 |
| | 150 | 113 – 123 | 51.03.113123.15 |
| | 150 | 118 – 128 | 51.03.118128.15 |
| | 150 | 120 – 131 | 51.03.120131.15 |
| 125 | 150 | 125 – 135 | 51.03.125135.15 |
| | 150 | 132 – 144 | 51.03.132144.15 |
| | 150 | 135 – 145 | 51.03.135145.15 |
| 150 | 150 | 140 – 152 | 51.03.140152.15 |
| | 150 | 151 – 161 | 51.03.151161.15 |
| | 150 | 159 – 170 | 51.03.159170.15 |
| | 150 | 165 – 176 | 51.03.165176.15 |
| | 150 | 167 – 177 | 51.03.167177.15 |
| | 150 | 170 – 182 | 51.03.170182.15 |

As standard, all products are fitted with EPDM sealing for drinking water. The NBR sealing for water and gas is available at no extra charge. In this case, the article codes start with 50.

MAXI 1 - ONE-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 200 M, WITH TWO BOLTS

| DN | Installation length [mm] | Pipe outer- ϕ [mm] | Code |
|-----|--------------------------|-------------------------|-----------------|
| 40 | 200 | 48 – 55 | 51.03.048055.20 |
| | 200 | 52 – 59 | 51.03.052059.20 |
| 50 | 200 | 60 – 67 | 51.03.060067.20 |
| | 200 | 67 – 74 | 51.03.067074.20 |
| 65 | 200 | 70 – 77 | 51.03.070077.20 |
| | 200 | 73 – 80 | 51.03.073080.20 |
| | 200 | 76 – 85 | 51.03.076085.20 |
| | 200 | 82 – 90 | 51.03.082090.20 |
| 80 | 200 | 87 – 95 | 51.03.087095.20 |
| | 200 | 90 – 98 | 51.03.090098.20 |
| | 200 | 95 – 105 | 51.03.095105.20 |
| | 200 | 98 – 108 | 51.03.098108.20 |
| | 200 | 102 – 112 | 51.03.102112.20 |
| | 200 | 106 – 116 | 51.03.106116.20 |
| 100 | 200 | 108 – 118 | 51.03.108118.20 |
| | 200 | 113 – 123 | 51.03.113123.20 |
| | 200 | 118 – 128 | 51.03.118128.20 |
| | 200 | 120 – 131 | 51.03.120131.20 |
| | 200 | 125 – 135 | 51.03.125135.20 |
| 125 | 200 | 132 – 144 | 51.03.132144.20 |
| | 200 | 135 – 145 | 51.03.135145.20 |
| | 200 | 140 – 152 | 51.03.140152.20 |
| 150 | 200 | 151 – 161 | 51.03.151161.20 |
| | 200 | 159 – 170 | 51.03.159170.20 |
| | 200 | 165 – 176 | 51.03.165176.20 |
| | 200 | 167 – 177 | 51.03.167177.20 |
| | 200 | 170 – 182 | 51.03.170182.20 |
| | 200 | 174 – 184 | 51.03.174184.20 |
| | 200 | 176 – 186 | 51.03.176186.20 |
| | 200 | 180 – 191 | 51.03.180191.20 |
| | 200 | 186 – 196 | 51.03.186196.20 |
| 175 | 200 | 193 – 203 | 51.03.193203.20 |
| | 200 | 200 – 212 | 51.03.200212.20 |
| | 200 | 209 – 220 | 51.03.209220.20 |
| 200 | 200 | 215 – 225 | 51.03.215225.20 |
| | 200 | 219 – 230 | 51.03.219230.20 |



As standard, all products are fitted with EPDM sealing for drinking water. The NBR sealing for water and gas is available at no extra charge. In this case, the article codes start with 50.

MAXI 1 - ONE-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 300 M, WITH THREE BOLTS



| DN | Installation length [mm] | Pipe outer-Ø [mm] | Code |
|-----|--------------------------|-------------------|------------------------|
| 50 | 300 | 60 – 67 | 51.03.060067.30 |
| | 300 | 67 – 74 | 51.03.067074.30 |
| 65 | 300 | 70 – 77 | 51.03.070077.30 |
| | 300 | 73 – 80 | 51.03.073080.30 |
| | 300 | 76 – 85 | 51.03.076085.30 |
| | 300 | 82 – 90 | 51.03.082090.30 |
| 80 | 300 | 87 – 95 | 51.03.087095.30 |
| | 300 | 90 – 98 | 51.03.090098.30 |
| | 300 | 95 – 105 | 51.03.095105.30 |
| | 300 | 98 – 108 | 51.03.098108.30 |
| | 300 | 102 – 112 | 51.03.102112.30 |
| | 300 | 106 – 116 | 51.03.106116.30 |
| | 300 | 108 – 118 | 51.03.108118.30 |
| 100 | 300 | 113 – 123 | 51.03.113123.30 |
| | 300 | 118 – 128 | 51.03.118128.30 |
| | 300 | 120 – 131 | 51.03.120131.30 |
| | 300 | 125 – 135 | 51.03.125135.30 |
| 125 | 300 | 132 – 144 | 51.03.132144.30 |
| | 300 | 135 – 145 | 51.03.135145.30 |
| | 300 | 140 – 152 | 51.03.140152.30 |
| 150 | 300 | 151 – 161 | 51.03.151161.30 |
| | 300 | 159 – 170 | 51.03.159170.30 |
| | 300 | 165 – 176 | 51.03.165176.30 |
| | 300 | 167 – 177 | 51.03.167177.30 |
| | 300 | 170 – 182 | 51.03.170182.30 |
| | 300 | 174 – 184 | 51.03.174184.30 |
| | 300 | 176 – 186 | 51.03.176186.30 |
| | 300 | 180 – 191 | 51.03.180191.30 |
| 175 | 300 | 186 – 196 | 51.03.186196.30 |
| | 300 | 193 – 203 | 51.03.193203.30 |
| | 300 | 200 – 212 | 51.03.200212.30 |
| 200 | 300 | 209 – 220 | 51.03.209220.30 |
| | 300 | 215 – 225 | 51.03.215225.30 |
| | 300 | 219 – 230 | 51.03.219230.30 |
| | 300 | 222 – 233 | 51.03.222233.30 |
| | 300 | 228 – 240 | 51.03.228240.30 |
| | 300 | 232 – 242 | 51.03.232242.30 |
| | 300 | 237 – 247 | 51.03.237247.30 |
| | 300 | 239 – 249 | 51.03.239249.30 |
| | 300 | 243 – 253 | 51.03.243253.30 |
| | 300 | 250 – 260 | 51.03.250260.30 |
| | 300 | 252 – 262 | 51.03.252262.30 |
| | 300 | 261 – 271 | 51.03.261271.30 |
| | 300 | 266 – 276 | 51.03.266276.30 |
| 250 | 300 | 270 – 280 | 51.03.270280.30 |
| | 300 | 273 – 284 | 51.03.273284.30 |
| | 300 | 280 – 293 | 51.03.280293.30 |
| | 300 | 290 – 300 | 51.03.290300.30 |
| | 300 | 300 – 310 | 51.03.300310.30 |
| | 300 | 310 – 320 | 51.03.310320.30 |

As standard, all products are fitted with EPDM sealing for drinking water. The NBR sealing for water and gas is available at no extra charge. In this case, the article codes start with 50.

MAXI 1 – ONE-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 400M, WITH FOUR BOLTS

| DN | Installation length [mm] | Pipe outer- ϕ [mm] | Code | |
|-----|--------------------------|-------------------------|-----------------|-----------------|
| 65 | 400 | 73 – 80 | 51.03.073080.40 | |
| | 400 | 76 – 85 | 51.03.076085.40 | |
| | 400 | 82 – 90 | 51.03.082090.40 | |
| 80 | 400 | 87 – 95 | 51.03.087095.40 | |
| | 400 | 90 – 98 | 51.03.090098.40 | |
| | 400 | 95 – 105 | 51.03.095105.40 | |
| | 400 | 98 – 108 | 51.03.098108.40 | |
| | 400 | 102 – 112 | 51.03.102112.40 | |
| | 400 | 106 – 116 | 51.03.106116.40 | |
| 100 | 400 | 108 – 118 | 51.03.108118.40 | |
| | 400 | 113 – 123 | 51.03.113123.40 | |
| | 400 | 118 – 128 | 51.03.118128.40 | |
| | 400 | 120 – 131 | 51.03.120131.40 | |
| | 400 | 125 – 135 | 51.03.125135.40 | |
| 125 | 400 | 132 – 144 | 51.03.132144.40 | |
| | 400 | 135 – 145 | 51.03.135145.40 | |
| | 400 | 140 – 152 | 51.03.140152.40 | |
| 150 | 400 | 151 – 161 | 51.03.151161.40 | |
| | 400 | 159 – 170 | 51.03.159170.40 | |
| | 400 | 165 – 176 | 51.03.165176.40 | |
| | 400 | 167 – 177 | 51.03.167177.40 | |
| | 400 | 170 – 182 | 51.03.170182.40 | |
| | 400 | 174 – 184 | 51.03.174184.40 | |
| | 400 | 176 – 186 | 51.03.176186.40 | |
| | 400 | 180 – 191 | 51.03.180191.40 | |
| | 400 | 186 – 196 | 51.03.186196.40 | |
| 175 | 400 | 193 – 203 | 51.03.193203.40 | |
| | 400 | 200 – 212 | 51.03.200212.40 | |
| | 400 | 209 – 220 | 51.03.209220.40 | |
| 200 | 400 | 215 – 225 | 51.03.215225.40 | |
| | 400 | 219 – 230 | 51.03.219230.40 | |
| | 400 | 222 – 233 | 51.03.222233.40 | |
| | 400 | 228 – 240 | 51.03.228240.40 | |
| | 400 | 232 – 242 | 51.03.232242.40 | |
| | 400 | 237 – 247 | 51.03.237247.40 | |
| | 400 | 239 – 249 | 51.03.239249.40 | |
| | 400 | 243 – 253 | 51.03.243253.40 | |
| | 400 | 250 – 260 | 51.03.250260.40 | |
| | 400 | 252 – 262 | 51.03.252262.40 | |
| | 400 | 261 – 271 | 51.03.261271.40 | |
| | 400 | 266 – 276 | 51.03.266276.40 | |
| | 250 | 400 | 270 – 280 | 51.03.270280.40 |
| | | 400 | 273 – 284 | 51.03.273284.40 |
| | | 400 | 280 – 293 | 51.03.280293.40 |
| 400 | | 290 – 300 | 51.03.290300.40 | |
| 400 | | 300 – 310 | 51.03.300310.40 | |
| 400 | | 310 – 320 | 51.03.310320.40 | |
| 300 | 400 | 315 – 326 | 51.03.315326.40 | |
| | 400 | 320 – 330 | 51.03.320330.40 | |
| | 400 | 325 – 335 | 51.03.325335.40 | |
| | 400 | 334 – 346 | 51.03.334346.40 | |
| | 400 | 340 – 350 | 51.03.340350.40 | |
| | 400 | 350 – 360 | 51.03.350360.40 | |

As standard, all products are fitted with EPDM sealing for drinking water.

The NBR sealing for water and gas is available at no extra charge.

In this case, the article codes start with 50.

MAXI 1 – ONE-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 500 M, WITH FIVE BOLTS

| DN | Installation length [mm] | Pipe outer-Ø [mm] | Code |
|-----|--------------------------|-------------------|------------------------|
| 100 | 500 | 108 – 118 | 51.03.108118.50 |
| | 500 | 113 – 123 | 51.03.113123.50 |
| | 500 | 118 – 128 | 51.03.118128.50 |
| | 500 | 120 – 131 | 51.03.120131.50 |
| | 500 | 125 – 135 | 51.03.125135.50 |
| 125 | 500 | 132 – 144 | 51.03.132144.50 |
| | 500 | 135 – 145 | 51.03.135145.50 |
| | 500 | 140 – 152 | 51.03.140152.50 |
| 150 | 500 | 151 – 161 | 51.03.151161.50 |
| | 500 | 159 – 170 | 51.03.159170.50 |
| | 500 | 165 – 176 | 51.03.165176.50 |
| | 500 | 167 – 177 | 51.03.167177.50 |
| | 500 | 170 – 182 | 51.03.170182.50 |
| | 500 | 174 – 184 | 51.03.174184.50 |
| | 500 | 176 – 186 | 51.03.176186.50 |
| | 500 | 180 – 191 | 51.03.180191.50 |
| 175 | 500 | 186 – 196 | 51.03.186196.50 |
| | 500 | 193 – 203 | 51.03.193203.50 |
| | 500 | 200 – 212 | 51.03.200212.50 |
| 200 | 500 | 209 – 220 | 51.03.209220.50 |
| | 500 | 215 – 225 | 51.03.215225.50 |
| | 500 | 219 – 230 | 51.03.219230.50 |
| | 500 | 222 – 233 | 51.03.222233.50 |
| | 500 | 228 – 240 | 51.03.228240.50 |
| | 500 | 232 – 242 | 51.03.232242.50 |
| | 500 | 237 – 247 | 51.03.237247.50 |
| | 500 | 239 – 249 | 51.03.239249.50 |
| | 500 | 243 – 253 | 51.03.243253.50 |
| | 500 | 250 – 260 | 51.03.250260.50 |
| | 500 | 252 – 262 | 51.03.252262.50 |
| | 500 | 261 – 271 | 51.03.261271.50 |
| | 500 | 266 – 276 | 51.03.266276.50 |
| 250 | 500 | 270 – 280 | 51.03.270280.50 |
| | 500 | 273 – 284 | 51.03.273284.50 |
| | 500 | 280 – 293 | 51.03.280293.50 |
| | 500 | 290 – 300 | 51.03.290300.50 |
| | 500 | 300 – 310 | 51.03.300310.50 |
| 300 | 500 | 310 – 320 | 51.03.310320.50 |
| | 500 | 315 – 326 | 51.03.315326.50 |
| | 500 | 320 – 330 | 51.03.320330.50 |
| | 500 | 325 – 335 | 51.03.325335.50 |
| | 500 | 334 – 346 | 51.03.334346.50 |
| | 500 | 340 – 350 | 51.03.340350.50 |
| | 500 | 350 – 360 | 51.03.350360.50 |

MAXI 1 - ONE-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 600M, WITH SIX BOLTS

| DN | Installation length [mm] | Pipe outer- \emptyset [mm] | Code | |
|-----|--------------------------|------------------------------|-----------------|-----------------|
| 200 | 600 | 215 – 225 | 51.03.215225.60 | |
| | 600 | 219 – 230 | 51.03.219230.60 | |
| | 600 | 222 – 233 | 51.03.222233.60 | |
| | 600 | 228 – 240 | 51.03.228240.60 | |
| | 600 | 232 – 242 | 51.03.232242.60 | |
| | 600 | 237 – 247 | 51.03.237247.60 | |
| | 600 | 239 – 249 | 51.03.239249.60 | |
| | 600 | 243 – 253 | 51.03.243253.60 | |
| | 600 | 250 – 260 | 51.03.250260.60 | |
| | 600 | 252 – 262 | 51.03.252262.60 | |
| | 600 | 261 – 271 | 51.03.261271.60 | |
| | 600 | 266 – 276 | 51.03.266276.60 | |
| | 250 | 600 | 270 – 280 | 51.03.270280.60 |
| | | 600 | 273 – 284 | 51.03.273284.60 |
| 600 | | 280 – 293 | 51.03.280293.60 | |
| 600 | | 290 – 300 | 51.03.290300.60 | |
| 600 | | 300 – 310 | 51.03.300310.60 | |
| 600 | | 310 – 320 | 51.03.310320.60 | |
| 300 | 600 | 315 – 326 | 51.03.315326.60 | |
| | 600 | 320 – 330 | 51.03.320330.60 | |
| | 600 | 325 – 335 | 51.03.325335.60 | |
| | 600 | 334 – 346 | 51.03.334346.60 | |
| | 600 | 340 – 350 | 51.03.340350.60 | |
| | 600 | 350 – 360 | 51.03.350360.60 | |

As standard, all products are fitted with EPDM sealing for drinking water.
The NBR sealing for water and gas is available at no extra charge.
In this case, the article codes start with 50.

MAXI 2 - TWO-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 200 M, WITH TWO BOLTS



| DN | Installation length [mm] | Pipe outer- ϕ [mm] | Code |
|-----|--------------------------|-------------------------|------------------------|
| 80 | 200 | 88 – 110 | 51.04.088110.20 |
| | 200 | 100 – 120 | 51.04.100120.20 |
| 100 | 200 | 108 – 128 | 51.04.108128.20 |
| | 200 | 112 – 134 | 51.04.112134.20 |
| | 200 | 120 – 140 | 51.04.120140.20 |
| 125 | 200 | 133 – 156 | 51.04.133156.20 |
| | 200 | 138 – 160 | 51.04.138160.20 |
| 150 | 200 | 158 – 180 | 51.04.158180.20 |
| | 200 | 165 – 185 | 51.04.165185.20 |
| | 200 | 168 – 190 | 51.04.168190.20 |
| | 200 | 176 – 196 | 51.04.176196.20 |
| 175 | 200 | 190 – 210 | 51.04.190210.20 |
| | 200 | 195 – 217 | 51.04.195217.20 |
| 200 | 200 | 210 – 230 | 51.04.210230.20 |
| | 200 | 216 – 238 | 51.04.216238.20 |
| | 200 | 225 – 246 | 51.04.225246.20 |
| | 200 | 230 – 250 | 51.04.230250.20 |

INSTALLATION LENGTH: 300 M, WITH THREE BOLTS

| DN | Installation length [mm] | Pipe outer- ϕ [mm] | Code |
|-----|--------------------------|-------------------------|------------------------|
| 80 | 300 | 88 – 110 | 51.04.088110.30 |
| | 300 | 100 – 120 | 51.04.100120.30 |
| 100 | 300 | 108 – 128 | 51.04.108128.30 |
| | 300 | 112 – 134 | 51.04.112134.30 |
| | 300 | 120 – 140 | 51.04.120140.30 |
| 125 | 300 | 133 – 156 | 51.04.133156.30 |
| | 300 | 138 – 160 | 51.04.138160.30 |
| 150 | 300 | 158 – 180 | 51.04.158180.30 |
| | 300 | 165 – 185 | 51.04.165185.30 |
| | 300 | 168 – 190 | 51.04.168190.30 |
| | 300 | 176 – 196 | 51.04.176196.30 |
| 175 | 300 | 190 – 210 | 51.04.190210.30 |
| | 300 | 195 – 217 | 51.04.195217.30 |
| 200 | 300 | 210 – 230 | 51.04.210230.30 |
| | 300 | 216 – 238 | 51.04.216238.30 |
| | 300 | 225 – 246 | 51.04.225246.30 |
| | 300 | 230 – 250 | 51.04.230250.30 |
| | 300 | 238 – 260 | 51.04.238260.30 |
| | 300 | 250 – 271 | 51.04.250271.30 |
| 250 | 300 | 269 – 289 | 51.04.269289.30 |
| | 300 | 273 – 293 | 51.04.273293.30 |
| | 300 | 282 – 302 | 51.04.282302.30 |
| | 300 | 295 – 315 | 51.04.295315.30 |

MAXI 2 - TWO-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 300 M, WITH THREE BOLTS

| DN | Installation length [mm] | Pipe outer- ϕ [mm] | Code |
|-----|--------------------------|-------------------------|------------------------|
| 300 | 300 | 314 – 335 | 51.04.314335.30 |
| | 300 | 322 – 344 | 51.04.322344.30 |
| | 300 | 337 – 358 | 51.04.337358.30 |
| 350 | 300 | 347 – 368 | 51.04.347368.30 |
| | 300 | 365 – 385 | 51.04.365385.30 |

LENGTH: 400 M, WITH FOUR BOLTS

| DN | Installation length [mm] | Pipe outer- ϕ [mm] | Code |
|-----|--------------------------|-------------------------|------------------------|
| 80 | 400 | 88 – 110 | 51.04.088110.40 |
| | 400 | 100 – 120 | 51.04.100120.40 |
| 100 | 400 | 108 – 128 | 51.04.108128.40 |
| | 400 | 112 – 134 | 51.04.112134.40 |
| | 400 | 120 – 140 | 51.04.120140.40 |
| 125 | 400 | 133 – 156 | 51.04.133156.40 |
| | 400 | 138 – 160 | 51.04.138160.40 |
| 150 | 400 | 158 – 180 | 51.04.158180.40 |
| | 400 | 165 – 185 | 51.04.165185.40 |
| | 400 | 168 – 190 | 51.04.168190.40 |
| | 400 | 176 – 196 | 51.04.176196.40 |
| 175 | 400 | 190 – 210 | 51.04.190210.40 |
| | 400 | 195 – 217 | 51.04.195217.40 |
| 200 | 400 | 210 – 230 | 51.04.210230.40 |
| | 400 | 216 – 238 | 51.04.216238.40 |
| | 400 | 225 – 246 | 51.04.225246.40 |
| | 400 | 230 – 250 | 51.04.230250.40 |
| | 400 | 238 – 260 | 51.04.238260.40 |
| | 400 | 250 – 271 | 51.04.250271.40 |
| | 400 | 269 – 289 | 51.04.269289.40 |
| 250 | 400 | 273 – 293 | 51.04.273293.40 |
| | 400 | 282 – 302 | 51.04.282302.40 |
| | 400 | 295 – 315 | 51.04.295315.40 |
| 300 | 400 | 314 – 335 | 51.04.314335.40 |
| | 400 | 322 – 344 | 51.04.322344.40 |
| | 400 | 337 – 358 | 51.04.337358.40 |
| 350 | 400 | 347 – 368 | 51.04.347368.40 |
| | 400 | 365 – 385 | 51.04.365385.40 |
| | 400 | 382 – 402 | 51.04.382402.40 |
| | 400 | 396 – 420 | 51.04.396420.40 |
| 400 | 400 | 410 – 430 | 51.04.410430.40 |
| | 400 | 420 – 440 | 51.04.420440.40 |

As standard, all products are fitted with EPDM sealing for drinking water.

The NBR sealing for water and gas is available at no extra charge.

In this case, the article codes start with 50.

MAXI 2 - TWO-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 500 M, WITH FIVE BOLTS

| DN | Installation length [mm] | Pipe outer- \varnothing [mm] | Code |
|-----|--------------------------|--------------------------------|------------------------|
| 80 | 500 | 88 – 110 | 51.04.088110.50 |
| | 500 | 100 – 120 | 51.04.100120.50 |
| 100 | 500 | 108 – 128 | 51.04.108128.50 |
| | 500 | 112 – 134 | 51.04.112134.50 |
| | 500 | 120 – 140 | 51.04.120140.50 |
| 125 | 500 | 133 – 156 | 51.04.133156.50 |
| | 500 | 138 – 160 | 51.04.138160.50 |
| 150 | 500 | 158 – 180 | 51.04.158180.50 |
| | 500 | 165 – 185 | 51.04.165185.50 |
| | 500 | 168 – 190 | 51.04.168190.50 |
| | 500 | 176 – 196 | 51.04.176196.50 |
| 175 | 500 | 190 – 210 | 51.04.190210.50 |
| | 500 | 195 – 217 | 51.04.195217.50 |
| 200 | 500 | 210 – 230 | 51.04.210230.50 |
| | 500 | 216 – 238 | 51.04.216238.50 |
| | 500 | 225 – 246 | 51.04.225246.50 |
| | 500 | 230 – 250 | 51.04.230250.50 |
| | 500 | 238 – 260 | 51.04.238260.50 |
| | 500 | 250 – 271 | 51.04.250271.50 |
| | 500 | 269 – 289 | 51.04.269289.50 |
| 250 | 500 | 273 – 293 | 51.04.273293.50 |
| | 500 | 282 – 302 | 51.04.282302.50 |
| | 500 | 295 – 315 | 51.04.295315.50 |
| 300 | 500 | 314 – 335 | 51.04.314335.50 |
| | 500 | 322 – 344 | 51.04.322344.50 |
| | 500 | 337 – 358 | 51.04.337358.50 |
| 350 | 500 | 347 – 368 | 51.04.347368.50 |
| | 500 | 365 – 385 | 51.04.365385.50 |
| | 500 | 382 – 402 | 51.04.382402.50 |
| | 500 | 396 – 420 | 51.04.396420.50 |
| 400 | 500 | 410 – 430 | 51.04.410430.50 |
| | 500 | 420 – 440 | 51.04.420440.50 |
| | 500 | 435 – 455 | 51.04.435455.50 |
| | 500 | 450 – 470 | 51.04.450470.50 |
| 450 | 500 | 457 – 477 | 51.04.457477.50 |
| | 500 | 485 – 508 | 51.04.485508.50 |
| 500 | 500 | 510 – 530 | 51.04.510530.50 |

MAXI 2 - TWO-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 600 M, WITH SIX BOLTS

| DN | Installation length [mm] | Pipe outer- \emptyset [mm] | Code |
|-----|--------------------------|------------------------------|------------------------|
| 300 | 600 | 314 – 335 | 51.04.314335.60 |
| | 600 | 322 – 344 | 51.04.322344.60 |
| | 600 | 337 – 358 | 51.04.337358.60 |
| 350 | 600 | 347 – 368 | 51.04.347368.60 |
| | 600 | 365 – 385 | 51.04.365385.60 |
| | 600 | 382 – 402 | 51.04.382402.60 |
| | 600 | 396 – 420 | 51.04.396420.60 |
| 400 | 600 | 410 – 430 | 51.04.410430.60 |
| | 600 | 420 – 440 | 51.04.420440.60 |
| | 600 | 435 – 455 | 51.04.435455.60 |
| | 600 | 450 – 470 | 51.04.450470.60 |
| 450 | 600 | 457 – 477 | 51.04.457477.60 |
| | 600 | 485 – 508 | 51.04.485508.60 |
| 500 | 600 | 510 – 530 | 51.04.510530.60 |

As standard, all products are fitted with EPDM sealing for drinking water. The NBR sealing for water and gas is available at no extra charge. In this case, the article codes start with 50.

Up to 855 mm outside pipe diameter and installation length 800 mm also available upon request.

MAXI 3 - THREE-PART STAINLESS STEEL SEALING CLAMP



INSTALLATION LENGTH: 300 M, WITH THREE BOLTS

| DN | Installation length [mm] | Pipe outer- \varnothing [mm] | Code |
|-----|--------------------------|--------------------------------|------------------------|
| 250 | 300 | 270 – 300 | 51.05.270300.30 |
| 300 | 300 | 310 – 340 | 51.05.310340.30 |
| | 300 | 335 – 365 | 51.05.335365.30 |
| 350 | 300 | 340 – 370 | 51.05.340370.30 |
| | 300 | 360 – 390 | 51.05.360390.30 |
| | 300 | 385 – 415 | 51.05.385415.30 |
| | 300 | 395 – 425 | 51.05.395425.30 |
| 400 | 300 | 400 – 430 | 51.05.400430.30 |
| | 300 | 410 – 440 | 51.05.410440.30 |
| | 300 | 430 – 460 | 51.05.430460.30 |
| | 300 | 435 – 465 | 51.05.435465.30 |
| 450 | 300 | 440 – 470 | 51.05.440470.30 |
| | 300 | 460 – 490 | 51.05.460490.30 |

INSTALLATION LENGTH: 400 M, WITH FOUR BOLTS

| DN | Installation length [mm] | Pipe outer- \varnothing [mm] | Code |
|-----|--------------------------|--------------------------------|------------------------|
| 250 | 400 | 270 – 300 | 51.05.270300.40 |
| 300 | 400 | 310 – 340 | 51.05.310340.40 |
| | 400 | 335 – 365 | 51.05.335365.40 |
| 350 | 400 | 340 – 370 | 51.05.340370.40 |
| | 400 | 360 – 390 | 51.05.360390.40 |
| | 400 | 385 – 415 | 51.05.385415.40 |
| | 400 | 395 – 425 | 51.05.395425.40 |
| 400 | 400 | 400 – 430 | 51.05.400430.40 |
| | 400 | 410 – 440 | 51.05.410440.40 |
| | 400 | 430 – 460 | 51.05.430460.40 |
| | 400 | 435 – 465 | 51.05.435465.40 |
| 450 | 400 | 440 – 470 | 51.05.440470.40 |
| | 400 | 460 – 490 | 51.05.460490.40 |
| | 400 | 475 – 505 | 51.05.475505.40 |
| 500 | 400 | 485 – 515 | 51.05.485515.40 |

MAXI 3 – THREE-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 500 M, WITH FIVE BOLTS

| DN | Installation length [mm] | Pipe outer- ϕ [mm] | Code |
|-----|--------------------------|-------------------------|-----------------|
| 350 | 500 | 360 – 390 | 51.05.360390.50 |
| | 500 | 385 – 415 | 51.05.385415.50 |
| | 500 | 395 – 425 | 51.05.395425.50 |
| 400 | 500 | 400 – 430 | 51.05.400430.50 |
| | 500 | 410 – 440 | 51.05.410440.50 |
| | 500 | 430 – 460 | 51.05.430460.50 |
| | 500 | 435 – 465 | 51.05.435465.50 |
| 450 | 500 | 440 – 470 | 51.05.440470.50 |
| | 500 | 460 – 490 | 51.05.460490.50 |
| | 500 | 475 – 505 | 51.05.475505.50 |
| 500 | 500 | 485 – 515 | 51.05.485515.50 |
| | 500 | 510 – 540 | 51.05.510540.50 |
| | 500 | 530 – 560 | 51.05.530560.50 |



INSTALLATION LENGTH: 600 M, WITH SIX BOLTS

| DN | Installation length [mm] | Pipe outer- ϕ [mm] | Code |
|-----|--------------------------|-------------------------|------------------|
| 400 | 600 | 435 – 465 | 51.05.435465.60 |
| 450 | 600 | 440 – 470 | 51.05.440470.60 |
| | 600 | 460 – 490 | 51.05.460490.60 |
| | 600 | 475 – 505 | 51.05.475505.60 |
| 500 | 600 | 485 – 515 | 51.05.485515.60 |
| | 600 | 510 – 540 | 51.05.510540.60 |
| | 600 | 530 – 560 | 51.05.530560.60 |
| | 600 | 535 – 565 | 51.05.535565.60 |
| | 600 | 555 – 585 | 51.05.555585.60 |
| | 600 | 570 – 600 | 51.05.570600.60 |
| 600 | 600 | 585 – 615 | 51.05.585615.60 |
| | 600 | 610 – 640 | 51.05.610640.60 |
| | 600 | 620 – 650 | 51.05.620650.60 |
| | 600 | 630 – 660 | 51.05.630660.60 |
| | 600 | 654 – 684 | 51.05.654684.60 |
| 700 | 600 | 702 – 732 | 51.05.702732.60 |
| | 600 | 711 – 741 | 51.05.711741.60 |
| 750 | 600 | 747 – 777 | 51.05.747777.60 |
| | 600 | 780 – 810 | 51.05.780810.60 |
| 800 | 600 | 813 – 843 | 51.05.813843.60 |
| | 600 | 852 – 882 | 51.05.852882.60 |
| | 600 | 864 – 894 | 51.05.864894.60 |
| 900 | 600 | 900 – 930 | 51.05.900930.60 |
| | 600 | 925 – 955 | 51.05.925955.60 |
| | 600 | 945 – 975 | 51.05.945975.60 |
| | 600 | 970 – 1000 | 51.05.9701000.60 |

As standard, all products are fitted with EPDM sealing for drinking water. The NBR sealing for water and gas is available at no extra charge. In this case, the article codes start with 50.

MAXI 3 - THREE-PART STAINLESS STEEL SEALING CLAMP

EASY
GRIP

INSTALLATION LENGTH: 700 MM, WITH SEVEN BOLTS

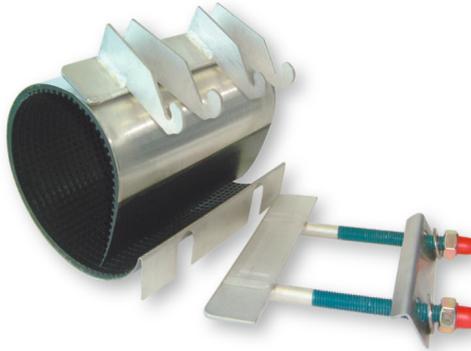
| DN | Installation length [mm] | Pipe outer-Ø [mm] | Code |
|-----|--------------------------|-------------------|-------------------------|
| 400 | 700 | 435 - 465 | 51.05.435465.70 |
| 450 | 700 | 440 - 470 | 51.05.440470.70 |
| | 700 | 460 - 490 | 51.05.460490.70 |
| | 700 | 475 - 505 | 51.05.475505.70 |
| 500 | 700 | 485 - 515 | 51.05.485515.70 |
| | 700 | 510 - 540 | 51.05.510540.70 |
| | 700 | 530 - 560 | 51.05.530560.70 |
| | 700 | 535 - 565 | 51.05.535565.70 |
| | 700 | 555 - 585 | 51.05.555585.70 |
| 600 | 700 | 570 - 600 | 51.05.570600.70 |
| | 700 | 585 - 615 | 51.05.585615.70 |
| | 700 | 610 - 640 | 51.05.610640.70 |
| | 700 | 620 - 650 | 51.05.620650.70 |
| | 700 | 630 - 660 | 51.05.630660.70 |
| 700 | 700 | 654 - 684 | 51.05.654684.70 |
| | 700 | 702 - 732 | 51.05.702732.70 |
| 750 | 700 | 711 - 741 | 51.05.711741.70 |
| | 700 | 747 - 777 | 51.05.747777.70 |
| 800 | 700 | 780 - 810 | 51.05.780810.70 |
| | 700 | 813 - 843 | 51.05.813843.70 |
| | 700 | 852 - 882 | 51.05.852882.70 |
| 900 | 700 | 864 - 894 | 51.05.864894.70 |
| | 700 | 900 - 930 | 51.05.900930.70 |
| | 700 | 925 - 955 | 51.05.925955.70 |
| | 700 | 945 - 975 | 51.05.945975.70 |
| | 700 | 970 - 1000 | 51.05.9701000.70 |

As standard, all products are fitted with EPDM sealing for drinking water. The NBR sealing for water and gas is available at no extra charge. In this case, the article codes start with 50.

UNIFIX MAXI CLAMP – SLIM VERSION**EASY
GRIP**

All Maxi clamps are also available in the following special versions - the SLIM version.

The Slim version is a perfect solution for places where there is not enough space for repair.

**SLIM VERSION - FEATURES****Are you installing in tight spaces?**

With the Slim you can simply unhook the plate with the mounting bolts leaving you with only a 10 mm opening required for installation.

UNIFIX MAXI - UNIFIX MAXI CLAMPS WITH DIFFERENT TYPES OF OUTLETS

EASY
GRIP

One-, two- or three-part Maxi clamps are available in versions with different outlets:

- with female thread,
- with male thread,
- with female/male thread



TECHNICAL SPECIFICATIONS: UNIFIX MAXI WITH THREADED OUTLET

SEALING CLAMP: stainless steel 1.4301 (V2A) similar to AISI 304

BOLTS: stainless steel 1.4301 (V2A) similar to AISI 304; dimensions – depending on the diameter – M12, M14 or M16.

NUTS: stainless steel 1.4301 (V2A) similar to AISI 304; sizes: M12, M14 or M16.

The nuts are passivated and guarantee free movement.

BRIDGE: stainless steel 1.4301 (V2A) similar to AISI 304

BRIDGE PLATE: stainless steel 1.4301 (V2A) similar to AISI 304. The bridge plate is vulcanised into the sealing.

SEALING: As standard, EPDM sealing (for drinking water) is used, alternatively NBR sealing is provided (for gas). The sealing features a honeycombed structure and ensures optimal sealing together with the O-ring seal at the outlet.

After welding, all stainless steel parts are passivated in order to achieve a high degree of protection against corrosion.

All products are also available in stainless steel V4A.

UNIFIX MAXI - UNIFIX MAXI CLAMPS WITH DIFFERENT TYPES OF OUTLETS

EASY
GRIP

THREADED OUTLETS:

Female thread: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4"

Male thread: 2 1/2", 3"

Female/male thread: 2" female, 2 1/2" male

MINIMUM DIMENSIONS PIPE OUTER-Ø AND MINIMUM NEEDED INSTALLATION LENGTHS ON THREADED OUTLETS:

| Threaded connector | Middle respectively Maxi 1* | Installation length [mm] | Maxi 2 | Installation length [mm] |
|--------------------|-----------------------------|--------------------------|-------------------|--------------------------|
| | Pipe outer-Ø [mm] | | Pipe outer-Ø [mm] | |
| 1/2" | 40 – 44 | 150 | 88–110 | 200 |
| 3/4" | 48 – 55 | 150 | 88–110 | 200 |
| 1" | 67 – 74 | 150 | 88–110 | 200 |
| 1 1/4" | 82 – 89 | 150 | 88–110 | 200 |
| 1 1/2" | 95–105 | 150 | 88–110 | 200 |
| 2" | 95–105 | 150 | 88–110 | 200 |
| 2 1/2" | 108–118 | 300 | 108–128 | 300 |
| 3" | – | – | 108–128 | 400 |
| 4" | – | – | 133–153 | 400 |

* Important: for products with a threaded outlet:

For pipes with an outside diameter of less than 65 mm (installation length: 15 mm), it is recommended to use the Unifix Middle type. For outside diameter from 65 mm up please ask for type Maxi.

UNIFIX MAXI - UNIFIX MAXI CLAMPS WITH DIFFERENT TYPES OF OUTLETS



TECHNICAL SPECIFICATIONS: UNIFIX MAXI WITH FLANGE CONNECTION

- The flange version is only available for our two- or three-part Maxi clamps and fits ranges from 88–110 mm to 768–798 mm. The installation lengths are optionally 300, 400, 500, 600, 800 and 1000 mm.
- The materials are the same as for Maxi clamps with a threaded outlet with the following addition:
- Information about the welded-on flange: stainless steel 1.4301 (V2A) similar to AISI 304, WIG welded (Wolfram Inert Gas) on the inside and outside to create a full weld of the external body and flange. The absolute overall height of the outlet is approx. 120 mm for flanges to DN 150 and approx. 150 mm for flanges DN 200–DN 300.
- Flange connections: stainless steel 1.4301 (V2A) similar to AISI 304; flanges according to DIN EN 1092-1, from DN50 to DN300.
- After welding, stainless steel parts are passivated in order to achieve a high degree of protection against corrosion.
- All products are also available in stainless steel V4A.
- Outside pipe diameter 545 mm and up is delivered as a three part Maxi as standard version.
- A version with bolts pointed downward is also possible.
- Pressure stages vary depending on the outer diameter of the pipes, materials used and the flange version. The pressures listed in the table are solely intended as a guideline.
- Seal made of EPDM (for drinking water) or alternatively of NBR (for gas)

UNIFIX MAXI WITH FLANGE CONNECTION FOR TWO- OR THREE-PART CLAMPS

EASY
GRIP

PRESSURE TABLE

| Pipe outer diameter [mm] | Pressure stage [bar] | |
|--------------------------|----------------------|-----|
| | Water | Gas |
| 88–210 | 16 | 4 |
| 216–410 | 10 | 3 |
| 420–798 | 6 | 2 |

MINIMUM REQUIRED OUTSIDE DIAMETER AND MINIMUM REQUIRED LENGTH FOR MAXI WITH FLANGE OUTLET

Flange size in combination with pipe outer diameter and installation length

| Flange | Pipe outer \varnothing [mm] | Installation length | Flange adapter |
|------------------|-------------------------------|---------------------|----------------|
| DN 50 | 88 – 110 | 300 | PN 10/16 |
| DN 65 | 88 – 110 | 300 | PN 10/16 |
| DN 80 PLUS | 88 – 110 | 400 | PN 10/16 |
| DN 80 | 108 – 128 | 400 | PN 10/16 |
| DN 100 PLUS | 108 – 128 | 400 | PN 10/16 |
| DN 100 | 133 – 153 | 400 | PN 10/16 |
| DN 125 | 135 – 155 | 400 | PN 10/16 |
| DN 150 PLUS | 158 – 180 | 400 | PN 10/16 |
| DN 150 | 169 – 189 | 400 | PN 10/16 |
| DN 200 PLUS | 210 – 230 | 500 | PN 10 |
| DN 200, 8 holes | 240 – 260 | 500 | PN 10 |
| DN 200, 12 holes | 240 – 260 | 500 | PN 16 |
| DN 250 PLUS | 240 – 260 | 600 | PN 10 |
| DN 250 | 315 – 325 | 600 | PN 10 |
| DN 300 | upon request | | |

PLUS = contains a stainless steel reduction piece for a smaller DN size.

UNIFIX MAXI 2 WITH FLANGE OUTLET



| DN | Pipe outer-Ø [mm] | Installation length [m] | | | | | |
|-----|---------------------|-------------------------|-----|-----|-----|-----|------|
| | | 300 | 400 | 500 | 600 | 800 | 1000 |
| 80 | 88–110 | X | X | X | X | | |
| | 100–120 | X | X | X | X | | |
| 100 | 108–128 | X | X | X | X | | |
| | 114–134 | X | X | X | X | | |
| | 120–140 | X | X | X | X | | |
| | 130–150 | X | X | X | X | | |
| 125 | 133–155 | X | X | X | X | | |
| | 135–155 | X | X | X | X | | |
| | 140–160 | X | X | X | X | | |
| 150 | 158–180 | X | X | X | X | | |
| | 165–185 | X | X | X | X | | |
| | 168–189 | X | X | X | X | | |
| | 170–190 | X | X | X | X | | |
| | 176–196 | X | X | X | X | | |
| | 180–200 | X | X | X | X | | |
| 175 | 190–210 | X | X | X | X | | |
| | 195–217 | X | X | X | X | | |
| | 205–225 | X | X | X | X | | |
| 200 | 210–230 | X | X | X | X | | |
| | 216–238 | X | X | X | X | | |
| | 225–246 | X | X | X | X | | |
| | 230–250 | X | X | X | X | | |
| | 240–260 | X | X | X | X | | |
| 225 | 252–272 | X | X | X | X | | |
| | 260–280 | X | X | X | X | | |
| | 269–289 | X | X | X | X | | |
| 250 | 273–293 | X | X | X | X | | |
| | 282–302 | X | X | X | X | | |
| | 295–315 | X | X | X | X | | |

UNIFIX MAXI 2 WITH FLANGE OUTLET

EASY
GRIP

| DN | Pipe outer-Ø [mm] | Installation length [m] | | | | | |
|-----|-------------------|-------------------------|-----|-----|-----|-----|------|
| | | 300 | 400 | 500 | 600 | 800 | 1000 |
| 300 | 314-334 | X | X | X | X | | |
| | 322-344 | X | X | X | X | | |
| | 335-355 | X | X | X | X | | |
| 350 | 347-367 | | X | X | X | | |
| | 350-368 | | X | X | X | | |
| | 360-380 | | X | X | X | | |
| | 365-385 | | X | X | X | X | |
| | 382-402 | | X | X | X | X | |
| | 396-420 | | X | X | X | X | |
| | 404-424 | | X | X | X | X | |
| 400 | 410-430 | | X | X | X | X | |
| | 420-440 | | | X | X | X | |
| | 435-455 | | | X | X | X | |
| | 468-488 | | | X | X | X | |
| 500 | 485-505 | | | X | X | X | |
| | 527-547 | | | | X | X | |
| | 545-575 | | | | X | X | |
| | 568-598 | | | | X | X | |
| 600 | 588-618 | | | | X | X | |
| | 610-640 | | | | X | X | X |
| | 628-658 | | | | X | X | X |
| | 648-678 | | | | | X | X |
| | 668-698 | | | | | X | X |
| | 688-718 | | | | | X | X |
| 700 | 708-738 | | | | | X | X |
| | 728-758 | | | | | X | X |
| 750 | 748-778 | | | | | X | X |
| | 768-798 | | | | | X | X |

UNIFIX HOLDERS

Use these holders to secure non-restrained pipe connections from sliding.

ABOUT OUR HOLDERS

BOLTS:

Stainless steel 1.4301 (V2A) similar to AISI 304; M16

STAINLESS STEEL BRIDGE:

Stainless steel 1.4301 (V2A) similar to AISI 304

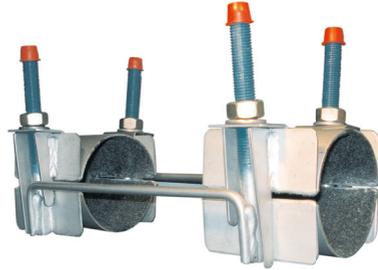
THREADED NUTS:

Stainless steel 1.4301 (V2A) similar to AISI 304. Size M16, passivated

STAINLESS STEEL BAND + SUPPORT BARS:

Stainless steel 1.4301 (V2A) similar to AISI 304

- After welding all stainless steel parts are passivated to ensure optimal corrosion protection
- Also available in V4A stainless steel
- Inside coating of the stainless steel band: The inside of the stainless steel clamp is taped with a non-skid film (similar to emery paper). This tightly secures the pipes and even thin-walled pipes are not damaged.
- The holders are available from DN 100 bis DN 600
- Installation lengths and exact dimensions available upon request
- Special production on specific customer request



UNIFIX-MAXI BOX S

EASY GRIP

Our **economic** repair box. Nine different sizes of Unifix Maxi stainless steel repair clamps for all types of pipe from 60 mm to 170 mm outside-Ø – **ALL IN ONE BOX!**

SUITABLE FOR:

STEEL PIPE | CAST IRON PIPE | DUKTILE CAST IRON PIPE | FIBRE CEMENT PIPE

PE-PIPE | PVC-PIPE

COLD WATER AREA

ABOUT OUR UNIFIX MAXI BOX S

This repair box contains nine different repair clamps (all in 200 mm installation length) for various pipes from DN 50 to DN 150. The following table indicates which types of pipe are covered by which sizes of sealing clamp

CAUTION: The nine stainless steel clamps are not intended to be combined

WEIGHT: 22 kg

BOX DIMENSIONS: 600 x 400 x 230 mm

BOLTS: Stainless steel 1.4301 (V2A) similar to AISI 304; M14

SPANNER PLATE: Stainless steel 1.4301 (V2A) similar to AISI 304, vulcanized into the seal

SEAL: Stainless steel sealing clamps with EDPM seal for drinking water or NBR seal for gas.



Item no.: 50.03.20.1 (with NBR seal)

Item no.: 51.03.20.1 (with EPDM-seal)

| Pipe outer-Ø (mm-) | Pressure level (bar-) | |
|--------------------|-----------------------|-----|
| | Water | Gas |
| 48 – 95 | 16 | 5 |
| 88 – 170 | 16 | 4 |

| Item No. |
|-----------------------------|
| 50.03.20.1 (with NBR seal) |
| 51.03.20.1 (with EPDM seal) |

| CONTENT MAXI BOX S |
|---|
| Stainless steel clamps Unifix Maxi |
| <ul style="list-style-type: none"> • 1 piece UNIFIX MAXI 60 – 67 mm • 1 piece UNIFIX MAXI 70 – 77 mm • 1 piece UNIFIX MAXI 82 – 90 mm • 1 piece UNIFIX MAXI 90 – 98 mm • 1 piece UNIFIX MAXI 98 – 108 mm • 1 piece UNIFIX MAXI 108 – 118 mm • 1 piece UNIFIX MAXI 118 – 128 mm • 1 piece UNIFIX MAXI 132 – 144 mm • 1 piece UNIFIX MAXI 159 – 170 mm |

| Maxi 1 | DN | | Cast iron | Steel | PVC | Fibre cement pipe | | | | |
|-----------|---------|-------|-----------|-------------|-----|-------------------|------|-------|--------------|------------------|
| | Nominal | Inch | | | | PN 2.5 | PN 6 | PN 10 | PN 12.5 cal. | PN 12.5 non cal. |
| | Width | | | | | Pipe Outer-Ø (mm) | | | | |
| 60 – 67 | 50 | 2 | 66 | 60.3 | 63 | - | - | - | - | - |
| 70 – 77 | 60 | - | 77 | 70.0 | - | - | - | - | - | - |
| | 65 | 2 1/2 | - | 76.1 | 75 | - | - | - | - | - |
| 82 – 90 | 65 | 2 1/2 | 82 | - | - | - | - | - | 83 | 85 |
| | 70 | - | - | 87 | - | - | - | - | - | - |
| 90 – 98 | 80 | 3 | 98 | 88.9 | 90 | - | - | 98 | - | - |
| 98 – 108 | 80 | 3 | - | - | - | - | - | - | 100 | 104 |
| | 90 | - | 108 | 101.6 | - | - | - | - | - | - |
| 108 – 118 | 100 | 4 | 118 | 108 / 114.3 | 110 | - | - | - | - | - |
| 118 – 128 | 100 | 4 | - | - | - | - | 118 | 120 | 124 | 130 |
| 132 – 144 | 125 | - | 144 | 133 / 139.7 | 140 | - | - | - | - | - |
| 159 – 170 | 125 | - | - | - | - | - | - | - | - | 159 |
| | 150 | 6 | 170 | 159 / 168.3 | 160 | 168 | - | - | - | - |

UNIFIX-MAXI BOX L

Our **most flexible repair box**.

44 different repair facilities with Gebo Unifix stainless steel clamps for all types of pipe from 48 mm to 359 mm outside-Ø – **ALL IN ONE BOX!**

SUITABLE FOR

STEEL PIPE | CAST IRON PIPE | DUCTILE CAST IRON PIPE | FIBRE CEMENT PIPE

PE-PIPE | PVC-PIPE

COLD WATER AREA

ABOUT OUR UNIFIX MAXI BOX L

This repair set includes a total of 20 sealing clamps and the corresponding spanner plates

DIMENSIONS OF THE BOX: 800 x 600 x 600 mm

A „modular system“ for repairs to be made on pipes with a diameter of 48 - 359 mm. Each sealing clamp can be used individually or connected to another sealing clamp, creating one, two or three part sealing clamps. The concept is to combine the various sealing clamps to allow the desired outside pipe diameter to be sealed.

THE INSTALLATION LENGTH OF THE CLAMPS IS GENERALLY 300 MM

BOLTS: Stainless steel 1.4301 (V2A) similar to AISI 304, M14

SPANNER PLATES: Stainless steel 1.4301 (V2A) similar to AISI 304

SEAL: The Seal is available as EPDM for drinking water or NBR for gas. It features honeycombed structure and bevelled ends.

PRESSURE LEVELS: The pressure levels vary depending on the number of elements used and the different outside pipe diameters.

The values contained in the tables are therefore solely intended as a guideline:

| Pipe Outer-Ø (mm) | Pressure level (bar) | |
|-------------------|----------------------|-----|
| | Water | Gas |
| 48– 95 | 16 | 5 |
| 88–282 | 16 | 4 |
| 282–359 | 10 | 3 |

| Item No. |
|-----------------------------|
| 50.03.30.1 (with NBR seal) |
| 51.03.30.1 (with EPDM seal) |



Item no.: 50.03.30.1
(with NBR seal)

Item no.: 51.03.30.1
(with EPDM seal)

Content Maxi Box L

Stainless steel clamps Unifix Maxi

- 3 pieces UNIFIX MAXI 48 – 55 mm (section 1)
- 3 pieces UNIFIX MAXI 52 – 59 mm (section 2)
- 3 pieces UNIFIX MAXI 60 – 67 mm (section 3)
- 3 pieces UNIFIX MAXI 70 – 77 mm (section 4)
- 3 pieces UNIFIX MAXI 82 – 90 mm (section 5)
- 3 pieces UNIFIX MAXI 90 – 98 mm (section 6)
- 1 piece UNIFIX MAXI 102 – 112 mm (section 7)
- 1 piece UNIFIX MAXI 118 – 128 mm (section 8)

Spanner plates:

- 8 different sizes of spanner plates (5 pieces per size)

| Section | Length | Pipe Outer-Ø (mm) | Code |
|---------|--------|-------------------|--------------|
| 1 | 300 | 48– 55 | 51.03.30.1.1 |
| 2 | 300 | 52– 59 | 51.03.30.1.2 |
| 3 | 300 | 60– 67 | 51.03.30.1.3 |
| 4 | 300 | 70– 77 | 51.03.30.1.4 |
| 5 | 300 | 82– 90 | 51.03.30.1.5 |
| 6 | 300 | 90– 98 | 51.03.30.1.6 |
| 7 | 300 | 102–112 | 51.03.30.1.7 |
| 8 | 300 | 118–128 | 51.03.30.1.8 |

| Spanner plates | Code |
|----------------|--------------|
| D | 51.03.30.1.D |
| E | 51.03.30.1.E |
| G | 51.03.30.1.G |
| H | 51.03.30.1.H |
| I | 51.03.30.1.I |
| J | 51.03.30.1.J |
| K | 51.03.30.1.K |
| L | 51.03.30.1.L |

HOW IT WORKS

EASY
GRIP

Take the outside diameter of the damaged pipe.

Select the right combination of the stainless steel bands and the suitable spanner plates (according to the table)

For smaller pipe dimensions the single clamps can be used. Bigger pipe dimensions can be covered by combination of various sealing clamps. All sealing clamps have a length of 300 mm with four bolts.

The spanner plates are available in different sizes. These plates have to choose carefully because they have a special „curvature“ which has to correspond to the “curvature” of the outside pipe diameter which has to be repaired. That is why the spanner plates are separately enclosed and not – as usual – vulcanized into the gasket.

The spanner plates have a double side glued tape, so that they can easily fixed into the clamp.



Put the combined clamp after the assembly together and install – done!

All components of the Maxi Box L can be ordered separately.

| Pipe outer-Ø (mm) | Sections | Spanner plates |
|-------------------|-----------|----------------|
| 48– 55 | 1 | D |
| 52– 59 | 2 | D |
| 60– 67 | 3 | E |
| 70– 77 | 4 | E |
| 82– 90 | 5 | G |
| 9 0– 98 | 6 | G |
| 102–112 | 7 | I |
| 106–126 | 1 + 1 | 2xH |
| 112–132 | 2 + 1 | 2xI |
| 118–128 | 8 | I |
| 118–138 | 2 + 2 | 2xI |
| 124–144 | 3 + 2 | 2xJ |
| 130–150 | 3 + 3 | 2xJ |
| 140–160 | 4 + 3 | 2xJ |
| 150–170 | 4 + 4 | 2xJ |
| 163–183 | 5 + 4 | 2xK |
| 164–194 | 1 + 1 + 1 | 3xK |
| 170–200 | 2 + 1 + 1 | 3xK |
| 176–196 | 5 + 5 | 2xK |
| 176–206 | 2 + 2 + 1 | 3xK |
| 182–202 | 6 + 5 | 2xK |
| 182–212 | 2 + 2 + 2 | 3xK |

| Pipe outer-Ø (mm) | Sections | Spanner plates |
|-------------------|-----------|----------------|
| 188–208 | 6 + 6 | 2xK |
| 188–218 | 3 + 2 + 2 | 3xK |
| 194–224 | 3 + 3 + 2 | 3xK |
| 195–215 | 7 + 5 | 2xK |
| 200–230 | 3 + 3 + 3 | 3xK |
| 201–231 | 7 + 6 | 2xK |
| 210–240 | 4 + 3 + 3 | 3xK |
| 217–237 | 8 + 6 | 2xL |
| 220–250 | 4 + 4 + 3 | 3xL |
| 230–250 | 8 + 7 | 2xL |
| 230–260 | 4 + 4 + 4 | 3xL |
| 243–273 | 5 + 4 + 4 | 3xL |
| 256–286 | 5 + 5 + 4 | 3xL |
| 269–299 | 5 + 5 + 5 | 3xL |
| 275–305 | 6 + 5 + 5 | 3xL |
| 281–311 | 6 + 6 + 5 | 3xL |
| 287–317 | 6 + 6 + 6 | 3xL |
| 288–318 | 7 + 5 + 5 | 3xL |
| 294–324 | 7 + 6 + 5 | 3xL |
| 300–330 | 7 + 6 + 6 | 3xL |
| 316–346 | 8 + 6 + 6 | 3xL |
| 329–359 | 8 + 7 + 6 | 3xL |



UNIFIX MAXI BOX XL

Our **greatest** repair box.

Five different sizes of Unifix Maxi repair clamps for the repair of various pipe materials from 90 - 669 mm outside-Ø – ALL IN ONE BOX!

SUITABLE FOR

STEEL PIPE | CAST IRON PIPE | DUKTILE CAST IRON PIPE | FIBRE CEMENT PIPE

PE-PIPE | PVC-PIPE

COLD WATER AREA



ABOUT OUR MAXI BOX XL

The concept works like this: repair various outside pipe diameters by connecting the various sections contained in the Maxi XL Box

The sections (A – E) can be used also separately for the corresponding pipe diameter

Dimensions of the box: 800 x 600 x 600 mm

The installation length of the sealing clamps is generally 400 mm.

Tip: Using the content of two Maxi XL boxes you can also repair pipes up to an outside pipe diameter of 1086 mm. And the box even has enough space to hold twice its content.

Materials: Sealing clamps, bolts (M16): Stainless steel 1.4301 (V2A) similar to AISI 304

Seal: The Seal is available as EPDM for drinking water or NBR for gas. It features honeycombed structure and bevelled ends.

Pressure levels: The pressure levels vary depending on the number of elements used and further depend on the different outside pipe diameters and the kind of damage.

Therefore all figures are „guidelines“:

| Pipe outer-Ø [mm] | Pressure level [bar] | |
|-------------------|----------------------|-----|
| | Water | Gas |
| 213– 282 | 16 | 4 |
| 282– 460 | 10 | 3 |
| 460– 630 | 6 | 2 |
| 630– 813 | 4 | 1 |
| 813–1086 | 2 | 0,5 |

| Item no. |
|-----------------------------|
| 50.03.40.1 (with NBR seal) |
| 51.03.40.1 (with EPDM seal) |

Content Maxi Box XL

STAINLESS STEEL CLAMPS UNIFIX MAXI

- 1 piece UNIFIX MAXI 90 – 98 mm (section A)
- 1 piece UNIFIX MAXI 111 – 121 mm (section B)
- 1 piece UNIFIX MAXI 131 – 141 mm (section C)
- 1 piece UNIFIX MAXI 160 – 170 mm (section D)
- 1 piece UNIFIX MAXI 190 – 200 mm (section E)

HOW IT WORKS

Take the outside diameter of the damaged pipe.

Select the right combination of the stainless steel bands (according to the table), available in each box and hook them into.

Mount it – done!

REPAIRS WITH MAXI BOX XL (SINGLE EQUIPMENT)

| Area / Pipe outer- \varnothing (mm) | Sections |
|---------------------------------------|---------------|
| 213-233 | A + B |
| 233-253 | A + C |
| 253-273 | B + C |
| 264-284 | A + D |
| 284-304 | B + D |
| 294-314 | A + E |
| 304-324 | C + D |
| 314-334 | B + E |
| 335-355 | C + E |
| 354-384 | A + B + C |
| 386-416 | A + B + D |
| 406-436 | A + C + D |
| 416-446 | A + B + E |
| 426-456 | B + C + D |
| 436-466 | A + C + E |
| 456-486 | B + C + E |
| 467-497 | A + D + E |
| 487-517 | B + D + E |
| 508-538 | C + D + E |
| 527-567 | A + B + C + D |
| 558-598 | A + B + C + E |
| 589-629 | A + B + D + E |
| 609-649 | A + C + D + E |
| 629-669 | B + C + D + E |

REPAIR WITH A „DOUBLE EQUIPMENT“ OF MAXI BOX XL

| Area / Pipe outer- \varnothing (mm) | Sections |
|---------------------------------------|---------------------------|
| 694- 744 | E + E + B + A + A |
| 728- 778 | E + E + C + B + A |
| 796- 846 | E + E + D + C + B |
| 816- 866 | E + E + D + C + C |
| 894- 954 | E + E + D + C + B + A |
| 928- 988 | E + E + D + D + B + A |
| 982-1042 | E + E + D + D + C + C |
| 1026-1086 | E + E + D + C + C + B + A |

Install them according to the assembly instruction – done!

If a stainless steel clamp of Maxi Box XL is used up it can be ordered separately.

**ASSEMBLY INSTRUCTIONS FOR UNIFIX MAXI CLAMPS
WITH THE EASYGRIP EASY INSIDE FUNCTION****Assembly instructions for Unifix Maxi clamps with the Easygrip Easy Inside function****Preparation:**

1. Clean the pipe around the damaged.
2. Make sure that the pipe outer diameter corresponds to the range for the respective sealing clamp.
3. The sealing and the pipe can be moistened with soapy water to increase the assembly efficiency.
Mixing ratio (soap 1:5: water)

Assembly steps:

1. Loosen nuts to the red thread protection caps (do not remove). Pull up the stainless steel bridge and bend the clamp apart. Position the clamp over the pipe (image 1).
2. Hook the bridge into the Easygrip notch of the side bar (image 2).
Then pull the bridge higher, so that the bridge lies on the ends of the side bars (image 3).
3. Take a combination wrench and place it in the Easygrip notch of the side bars (image 4).
Simultaneously grab the combination wrench and the lower bar of the clamp and pull them together.
You may now easily raise the bridge to its final position. The nuts can now easily be hand tightened. Be sure the rubber seal neatly rests on the pipe.
4. Remove the combination wrench from the Easygrip notch and evenly hand tighten the nuts. Now evenly tighten the nuts with a torque wrench – at M12 and M14 to 70 Nm and 120 Nm for M16 for steel, cast iron and fibre cement pipes.
For PVC pipes the torque may only be approx. 50 Nm. After approx. 15–20 minutes retighten the nuts using the same torque setting.

For PE pipe please note the following information:

Recheck whether the installation length of the clamp was calculated correctly (installation length calculation see page XX)!

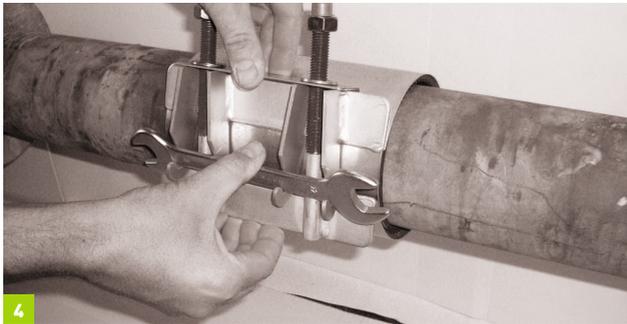
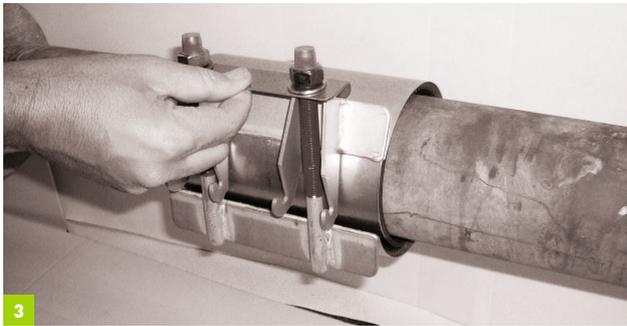
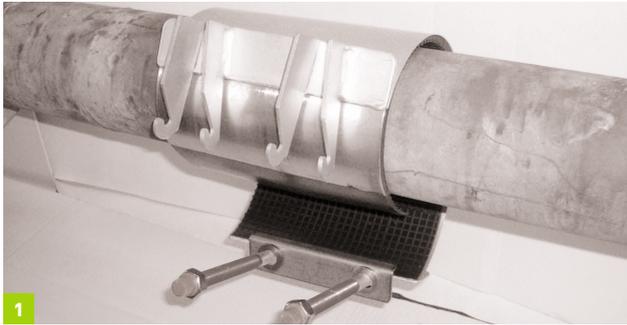
After the initial hand tightening, the nuts are tightened with a torque of 70 Nm at M12 and M14, and 120 Nm at M16. Then wait 15 minutes and retighten with the specified torque. After a repeated waiting period of 15 minutes retighten again.

If possible, retighten the nuts with the specified torque after a 24 hour waiting period.

5. The same method may be used for multi part repair clamps and / or repair clamps with threaded or flanged outlet. With multi part versions it is not necessary to open more than one clamp side.

Note:

1. Make sure that there is no dirt between the pipe and the stainless steel clamp.
2. Despite the teflon coated bolts and the passivated nuts, the closure must be kept as clean as possible to prevent the nuts and bolts from seizing.
3. Installation steps 1 to 3 can also be carried out next to the damaged area. Then, the pre-assembled clamp should be pushed onto the damaged area and fixed as described in step 4.



HOW TO FIND THE CORRECT ARTICLE NUMBER?

All GEBO article numbers have a specific meaning.

This means that the article number contains precise information about the product type/version, size and material of the product.

The article numbers form a modular system. This is an example:

AN EXAMPLE OF A PRODUCT NUMBER AND EXPLANATION:

| | |
|--------|---|
| 51 | Sealing clamp of stainless steel V2A with EPDM seal |
| 06 | Type Maxi, one-part, with female thread outlet |
| 120131 | pipe outer diameter: from 120 to 131 mm |
| 20 | length 200 mm |
| 5 | threaded outlet 1 1/2" |

ALTOGETHER, IT LOOKS LIKE THIS:

51 . 06 . 120131 . 20 . 5

EXAMPLE: ITEM NUMBER CONFIGURATION FOR A MINI

- ① Stainless steel sealing clamp made of V2A with EPDM seal
- ② Type Mini
- ③ For outside pipe-Ø from/to: 21–25 mm
- ④ Installation length: 100 mm

51 . 01 . 021025 . 10

EXAMPLE: ITEM NUMBER CONFIGURATION FOR A MAXI

- ① Stainless steel sealing clamp made of V2A with EPDM seal
- ② Type Maxi 1 with female thread
- ③ For outside pipe-Ø from/to: 82–89 mm
- ④ Installation length: 150 mm
- ⑤ Threaded outlet: 1"

51 . 06 . 082089 . 15 . 3

DIMENSION TABLE FOR PRESSURE PIPES

| DN PIPE TYPE | THREADED STEEL PIPE | STEEL-BLACK STEEL PIPE | STEEL PIPE WITH PE COVERING | STAINLESS STEEL | GRAY CAST IRON PN8/PN16 | DUCTILE CAST IRON |
|--------------|---------------------|------------------------|-----------------------------|-----------------|-------------------------|-------------------|
| 40 | 48.3 | 51.0 | 51.9 | 48.3 | 56.0 | 56.0 |
| 50 | 60.3 | 57.0 | 63.9 | 60.3 | 66.0 | 66.0 |
| 65 | 76.1 | 70.0 | 79.7 | 76.1 | 77.0 | 82.0 |
| 80 | 88.9 | 88.9 | 92.5 | 88.9 | 98.0 | 98.0 |
| 100 | 114.3 | 108.0 | 117.5 | 114.3 | 118.0 | 118.0 |
| 125 | 139.7 | 133.0 | 144.0 | 139.7 | 144.0 | 144.0 |
| 150 | 168.3 | 159.0 | 168.3 | 168.3 | 170.0 | 170.0 |
| 200 | 219.1 | 216.0 | 219.1 | 219.1 | 222.0 | 222.0 |
| 250 | 273.0 | 267.0 | 273.0 | 273.0 | 274.0 | 274.0 |
| 300 | 323.9 | 318.0 | 323.9 | 323.9 | 326.0 | 326.0 |
| 350 | 355.6 | 368.0 | 360.0 | | 378.0 | 378.0 |
| 400 | 406.4 | 419.0 | 410.8 | | 429.0 | 429.0 |
| 450 | 457.0 | | 461.4 | | 480.0 | 480.0 |
| 500 | 508.0 | | 513.0 | | 532.0 | 532.0 |
| | | | 564.0 | | 583.0 | |
| 600 | 610.0 | | 615.0 | | 634.0 | 635.0 |
| | | | 665.0 | | | |
| 700 | 711.0 | | 716.0 | | 738.0 | 738.0 |
| | | | 767.0 | | | |
| 800 | 813.0 | | 819.0 | | 842.0 | 842.0 |
| | | | 870.0 | | | |
| 900 | 914.0 | | 920.0 | | 945.0 | 945.0 |
| 1000 | 1016.0 | | 1022.0 | | 1048.0 | 1048.0 |

DIMENSION TABLE FOR PRESSURE PIPES

| DN PIPE TYPE | PE | PVC | PE-Xa | FIBRE-CEMENT PIPES | | | |
|--------------|--------|--------|--------|--------------------|--------|---------|---------|
| | | | | PN 10 | PN 10 | PN 12.5 | PN 12.5 |
| | | | | cal. | uncal. | cal. | uncal. |
| 40 | 50.0 | 50.0 | 50.0 | | | | |
| 50 | 63.0 | 63.0 | 63.0 | | | | |
| 65 | 75.0 | 75.0 | 75.0 | | | 83.0 | 85.0 |
| 80 | 90.0 | 90.0 | 90.0 | 98.0 | 102.0 | 100.0 | 104.0 |
| 100 | 110.0 | 110.0 | 110.0 | 120.0 | 128.0 | 124.0 | 130.0 |
| | 125.0 | 125.0 | 125.0 | | | | |
| 125 | 140.0 | 140.0 | 140.0 | 149.0 | 154.0 | 153.0 | 159.0 |
| 150 | 160.0 | 160.0 | 160.0 | 178.0 | 184.0 | 182.0 | 190.0 |
| | 180.0 | 180.0 | 180.0 | | | | |
| 200 | 200.0 | 200.0 | 200.0 | 234.0 | 243.0 | 240.0 | 252.0 |
| | 225.0 | 225.0 | 225.0 | | | | |
| 250 | 250.0 | 250.0 | 250.0 | 286.0 | 288.0 | 296.0 | 308.0 |
| | 280.0 | 280.0 | 280.0 | | | | |
| 300 | 315.0 | 315.0 | 315.0 | 342.0 | 346.0 | 352.0 | 368.0 |
| 350 | 355.0 | 355.0 | 355.0 | 400.0 | 404.0 | 410.0 | 428.0 |
| 400 | 400.0 | 400.0 | 400.0 | 456.0 | 460.0 | 470.0 | 488.0 |
| 450 | 450.0 | 450.0 | 450.0 | 510.0 | | 524.0 | 546.0 |
| 500 | 500.0 | 500.0 | 500.0 | 564.0 | | 582.0 | 606.0 |
| | 560.0 | 560.0 | 560.0 | | | | |
| 600 | 630.0 | 630.0 | 630.0 | 678.0 | | 698.0 | 726.0 |
| 700 | 710.0 | 710.0 | 710.0 | | 792.0 | | |
| 800 | 800.0 | 800.0 | 800.0 | | | | |
| 900 | 900.0 | 900.0 | 900.0 | | | | |
| 1000 | 1000.0 | 1000.0 | 1000.0 | | 1126.0 | | |