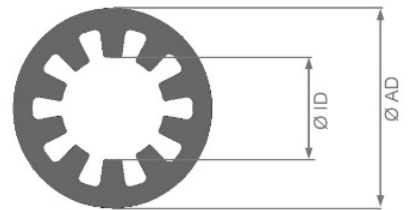


ClassicFixbasic

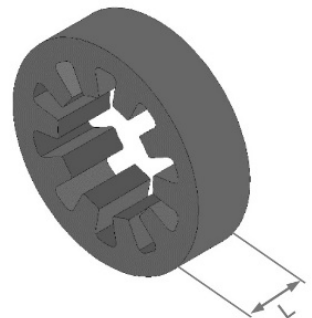


The ClassicFixbasic is the basic model of our Tube Line Wire – Protection Systems and offers you the following advantages:

- **excellent damping properties**
- **notches allow optimal tolerance adjustment**
- **little heat accumulation**
- **easy assembly**



Standard Material:	EPDM and NBR. VMQ is also available as a special version with increased temperature use.
Inner diameter:	5 to 38 mm
Body Hardness:	50 to 95 Shore A (depending on the material)



We design further dimensions according to your wishes and requirements.

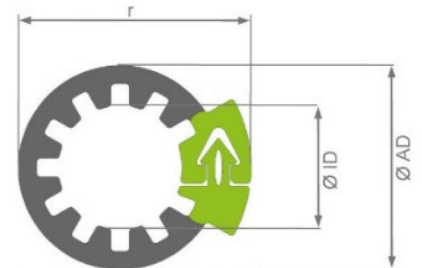
Principles: geometry and number of notches vary depending on the cross section.

ClipFixbasic

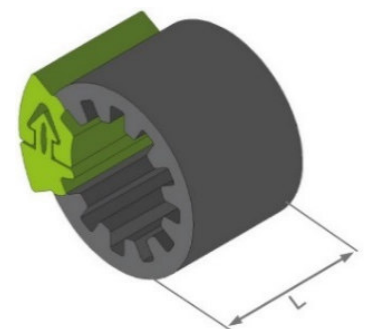


The ClipFixbasic provides several benefits:

- **suitable for subsequent assembly**
- **mountable in places which are difficult to access**
- **allows easy repairs**
- **quick assembly without adhesives**
- **easy to remove**



Standard Material:	EPDM
Inner diameter:	5 to 32 mm (in 1 mm gradations)
Thickness Clip:	minimum of 5 mm
Possible lengths:	10 mm to yard ware
Clip hardness:	95 Shore A
Body Hardness:	50 or 60 Shore A (depending on the material)



We look forward to developing further dimensions according to your individual requirements.

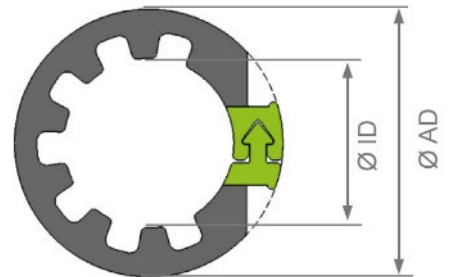
European Patent No.: EP 1 099 899 (expired in September 2020)
Chinese Design application number: 201630060486.8
Brand register Clip Fix@: 302015047964
Principles: geometry, number of notches and the clip vary depending on the cross section.

ClipFixcycle

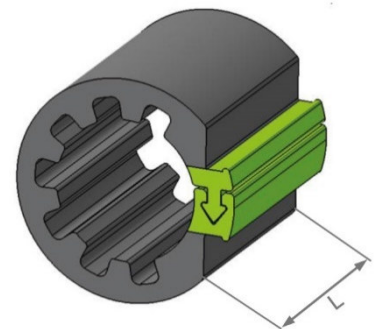


The ClipFixcycle provides several benefits:

- **ClipFixcycle integrates clip in outer diameter (less space rec**
- **suitable for subsequent assembly**
- **mountable in places which are difficult to access**
- **allows easy repairs**
- **quick assembly without adhesives**
- **easy to remove**



Standard Material:	EPDM
Inner diameter:	8 to 30 mm
Thickness Clip:	minimum of 5 mm
Possible lengths:	10 mm to yard ware
Clip hardness:	95 Shore A
Body Hardness:	50 or 60 Shore A (depending on the material)



In consideration of the available space, we design further products individually to your needs.

European Patent No.: EP 1 099 899 (expired in September 2020)
 Chinese Design application number: 201630060486.8
 Brand register Clip Fix®: 302015047964
 Principles: geometry, number of notches and the clip vary depending on the cross section.

ClassicFixtwins and ClipFixtwins



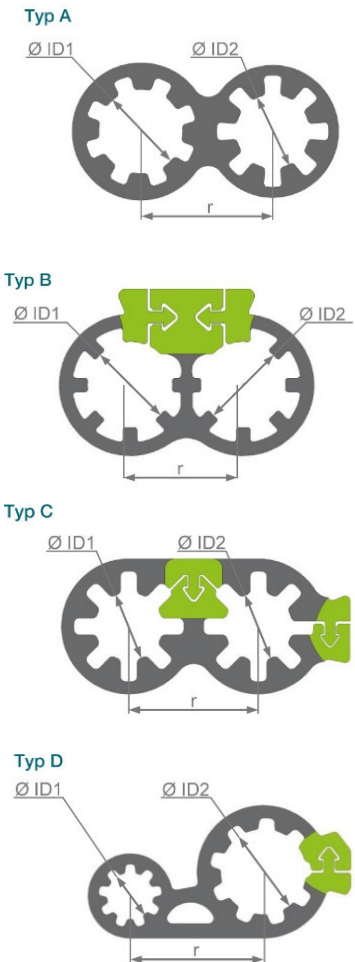
The ClassicFixtwins and ClipFixtwins protect two pipes simultaneously and moreover provide additional advantages:

- **combines distance holder, rattle protection and damper**
- **tolerance compensation for line distances**
- **quick assembly**
- **easy pipe fixation**
- **suitable for various pipe diameters**

Standard Material:	EPDM
Inner diameter:	8 to 28,5 mm
Thickness Clip:	minimum of 5 mm
Possible lengths:	10 mm to yard ware
Clip hardness:	95 Shore A
Body Hardness:	50 or 60 Shore A (depending on the material)

We are glad to assist you with the development and implementation of distance holders for the assembly of your cables.

European Patent No.: EP 1 099 899 (expired in September 2020)
 Chinese Design application number: 201630060486.8
 Brand register Clip Fix®: 302015047964
 Principles: geometry, number of notches and the clip vary depending on the cross section.



ClipFixspecs



In addition to the dimensions listed in our brochure, we manufacture customized versions based on your individual requirements. The below illustrated cross sections give you a first impression of special dimensions we have produced so far.

Design, dimensions, wall thicknesses and lengths are developed individually and in close cooperation with you.

Rapid Prototyping · Within a short time, we can provide you with cost-efficient prototypes in a close-to-serial design. Our prototypes are cut precisely with waterjet technology of the materials used in serial production. They are particularly suitable for the installation of space and functionality testing.

Rapid Prototyping provides additional advantages:

- **design close-to-series**
- **short lead times**
- **high flexibility**
- **dual component system: a hard part and a soft body**
- **cost efficiency**
- **made of serial materials**

Save time and money. Contact us!



P21009AA



P20858AA



P21115AA



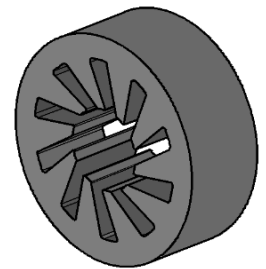
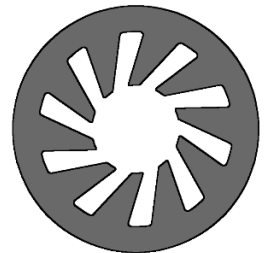
P21117AA

ClassicFixmulti



The ClassicFixmulti is suitable for different pipe diameters and offers various advantages:

- **reduction of product variety**
- **higher flexibility**
- **excellent tolerance compensation due to flexible notches**
- **standardization/ reduction of variants**

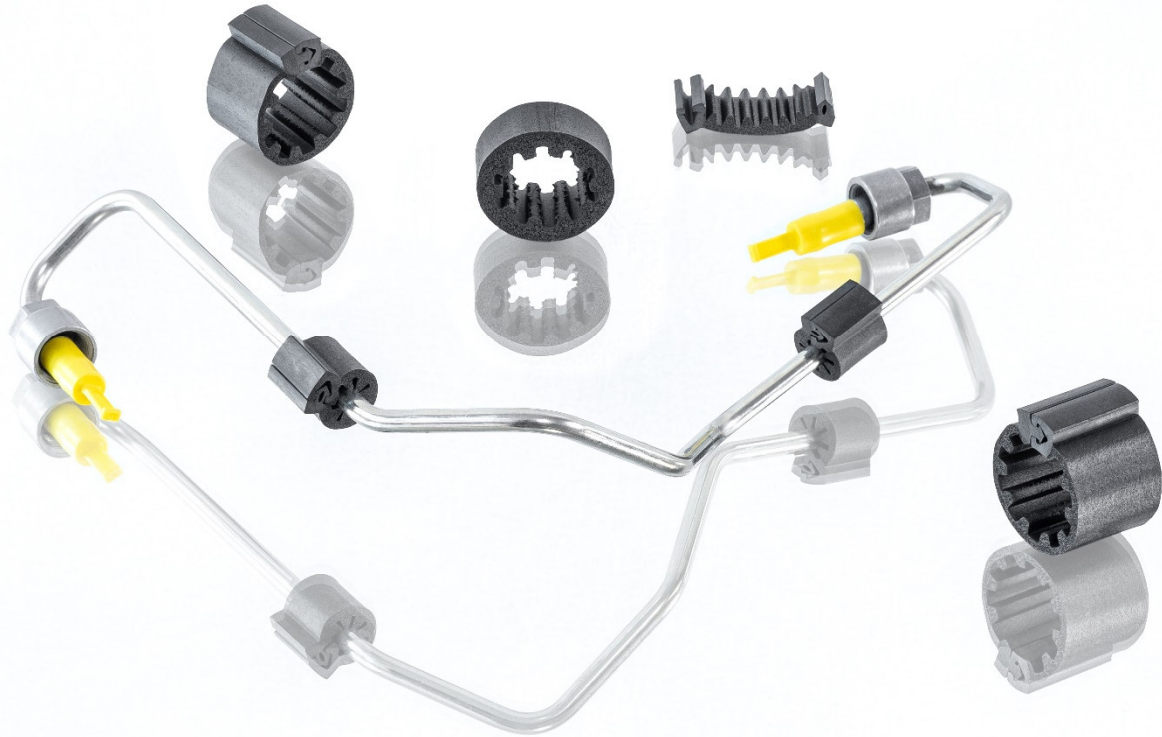


Standard Material:	EPDM and NBR. VMQ is also available as a special version with increased temperature use.
Inner diameter:	16 to 20 mm
Possible lengths:	10 mm to yard ware
Body Hardness:	50 to 95 Shore A (depending on the material)

We are glad to implement additional dimensions for you.

Principles: geometry and number of notches vary depending on the cross section.

ClassicFixmicro and ClipFixmicro



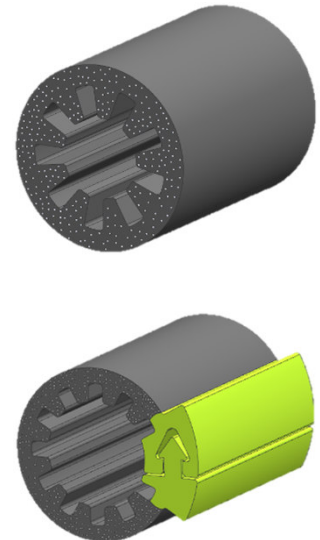
Perspective and further development

The Poppe Elastomertechnik GmbH is going to face the changing market forces and the resulting enhancements in the future. Electric vehicles will play a more important role in the automotive industry. They will gradually replace the classic combustion engine. Due to this fact, NHV (Noise Vibration Harshness) will play a greater role in vehicle development. By eliminating the classic engine noise, the perception of sounds and vibrations in the passenger compartment is focused on every audible detail. Previously unheard noises will push into the foreground. The aim is to optimize vibration and acoustic behavior of the vehicle. Poppe can make an important contribution to this.

For this reason, we have developed a microporous EPDM material, which improves damping and acoustic decoupling in the engine room and vehicle underbody. Additionally, it offers the effect of weight reduction.

By request, we can produce any ClipFix® article in microporous EPDM. In doing so, the traditional 50 Shore A solid rubber component will be replaced. Also, every ClassicFix article, which have solely consisted of our EPDM solid rubber so far, can be made of the microporous material in the future.

If we have caught your interest, feel free to contact us. We would be pleased to provide further information and to execute an appropriate offer.



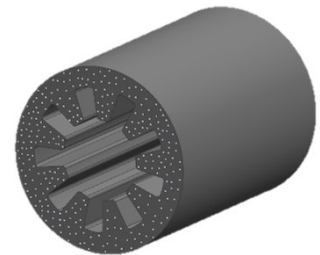
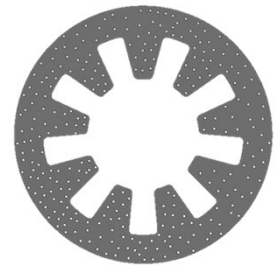
ClassicFixmicro



The ClassicFixmicro provides several benefits:

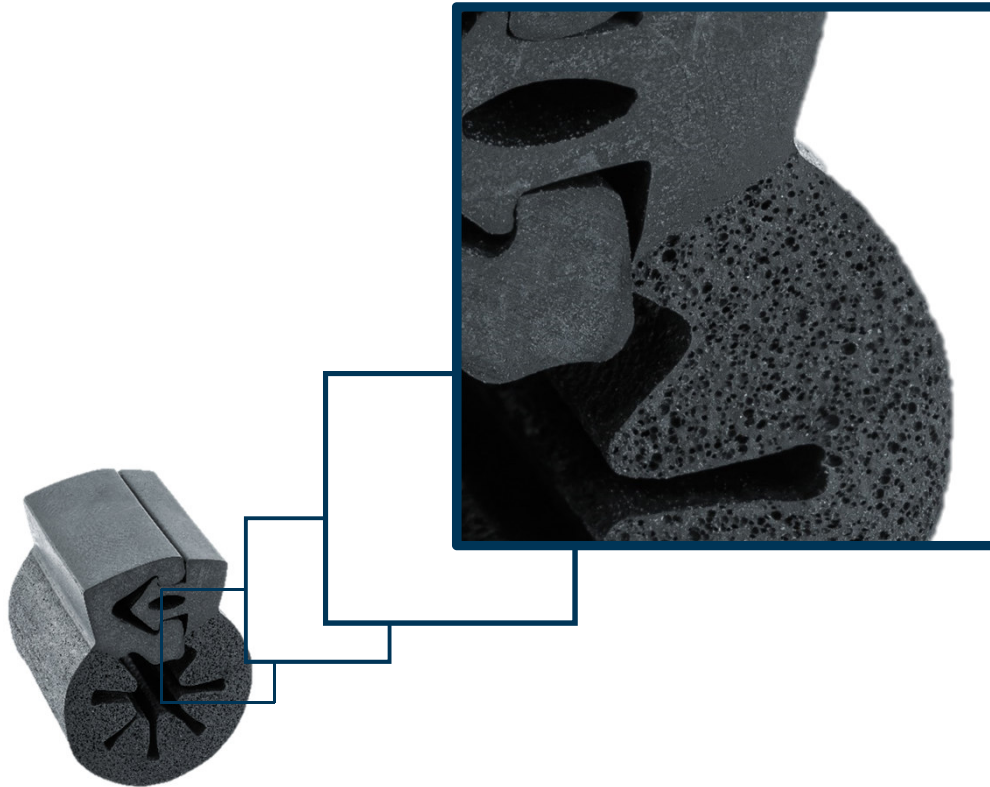
- **Up to 10 % weight reduction**
- **Improved damping features**
- **Noise minimization**
- **Enhanced dimensional compensation, therefore applicable for more resembling geometries**

Standard Material:	Microporous EPDM, see material data sheet
Inner diameter:	5 to 32 mm
Possible lengths:	10 mm to yard ware
Body Hardness:	See data sheet for microporous Material



Available dimensions can be found at [ClassicFixbasic](#).

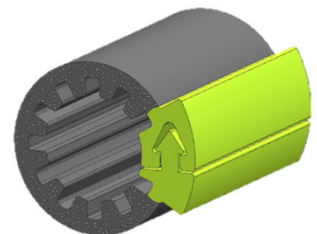
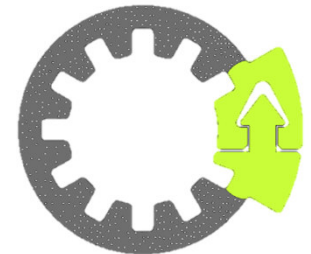
ClipFixmicro



The ClassicFixmicro provides several benefits:

- **Up to 10 % weight reduction**
- **Improved damping features**
- **Noise minimization**
- **Enhanced dimensional compensation, therefore applicable for more resembling geometries**

Standard Material:	Microporous EPDM, see material data sheet
Inner diameter:	5 to 32 mm
Thickness Clip:	minimum of 5 mm
Possible lengths:	10 mm to yard ware
Clip hardness:	95 Shore A
Body Hardness:	See data sheet for microporous material



Available dimensions can be found at [ClipFixbasic](#).

European Patent No.: EP 2 878 874