

multi**gebo**

**BRASS COMPRESSION FITTING
FOR MULTILAYER PIPES
FROM VARIOUS MANUFACTURERS**



we make it easier.



ALL-IN-ONE REPAIR SOLUTIONS FOR MULTILAYER COMPOSITE PIPES FROM VARIOUS MANUFACTURERS.

Maximum flexibility with a modular construction system.



INNOVATION

- **Multigebo is available with length adjustment for repairs** in installed pipelines or for simple connection of two different Multilayer pipes. It is also available with male thread according to DIN 10226-1 (ISO 7/1) for transition, extension and reduction of Multilayer pipes.
- **The modular construction system provides flexibility of use** (one body for each outer diameter of the pipe, different support sleeves for different inner diameters)

APPLICATION

- **Repair of drinking water pipes** (cold and hot)
- **Repair of waterbearing heating systems**
- **Installation in walls and floors** (observe installation guidelines; apply corrosion protection and ensure expansion compensation).
- **Operating temperatures and pressure:** Drinking water cold max. 20°C/max. 10 bar; Drinking water warm max. 70°C/max. 6 bar
Heating water max. 70°C/max. 6 bar
- Short-term stressable up to max. 95°C

BENEFITS

- **INNOVATIVE Solution for repairing multilayer pipes** from various manufacturers
- **Very easy installation with basic tools:** standard wrenches
- **Saving time and labour costs**
- **Brass material and EPDM sealing conform with the hygienic requirements for drinking water** (brass material conform with the 4MSI composition list for metallic materials used for products in contact with drinking water).

Tested and approved for long-term use: temperature cycles test; the test was carried out by a German accredited testing laboratory. EPDM seal with a DVGW certificate for drinking water.

Other areas of application

The above-mentioned Multigebo compression fittings in 16 mm and 20 mm are also suitable for PE-Xc and PE-RT pipes according to DIN EN ISO 21003 type P as well as PE-X pipes according to DIN EN ISO 15875.

REPAIR KIT: COMPRESSION FITTINGS WITH ADJUSTABLE LENGTH for multilayer pipes
according to DIN 16836 and DIN EN ISO 21003 (type M)



Series 320

multigebo 14 x 14 mm

Code	Content	Quantity
14.320.02.14KIT		
	multigebo 14 x 14 mm fitting with adjustable length	1
	Support sleeve 10.0 mm	2
	Grip ring 14.0 mm	2
	Gauge for inner diameter of pipe	1

multigebo 16 x 16 mm

Code	Content	Quantity
14.320.02.16KIT		
	multigebo 16 x 16 mm fitting with adjustable length	1
	Support sleeve 11.5-11.6 mm	2
	Support sleeve 12.0 mm	2
	Grip ring 16.0 mm	2
	Gauge for inner diameter of pipe	1

multigebo 17 x 17 mm

Code	Content	Quantity
14.320.02.17KIT		
	multigebo 17mm x 17 mm fitting with adjustable length	1
	Support sleeve 13.0 mm	2
	Grip ring 17.0 mm	2
	Gauge for inner diameter of pipe	1

multigebo 20 x 20 mm

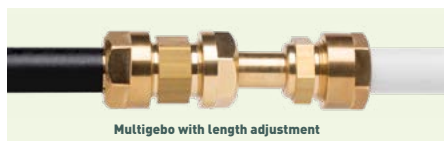
Code	Content	Quantity
14.320.02.20KIT		
	multigebo 20 x 20 mm fitting with adjustable length	1
	Support sleeve 14.4 mm	2
	Support sleeve 15.0 mm	2
	Support sleeve 15.5 mm	2
	Support sleeve 16.0 mm	2
	Grip ring 20.0 mm	2
	Gauge for inner diameter of pipe	1

multigebo 25/26 x 25/26 mm

Code	Content	Quantity
14.320.02.25KIT		
	multigebo 25/26 mm x 25/26 mm fitting with adjustable length	1
	Support sleeve 19.6 mm	2
	Support sleeve 20.0 mm	2
	Grip ring 25.0 mm	2
	Grip ring 26.0 mm	2
	Gauge for inner diameter of pipe	1

multigebo 32 x 32 mm

Code	Content	Quantity
14.320.02.32KIT		
	multigebo 32 mm x 32 mm fitting with adjustable length	1
	Support sleeve 25.6 mm	2
	Support sleeve 26.0 mm	2
	Grip ring 32 mm	2
	Gauge for inner diameter of pipe	1



REPAIR KIT COMPRESSION FITTINGS WITH MALE THREAD

(ISO 7/1) for multilayer pipes according to DIN 16836 and DIN EN ISO 21003 (type M)



Series 320

multigebo 14 MM X 1/2"

Code	Content	Quantity
14.320.00.14KIT		
	multigebo 14 mm x 1/2" with male thread	1
	Support sleeve 10.0 mm	1
	Grip ring 14.0 mm	1
	Gauge for inner diameter of pipe	1

multigebo 16 MM X 1/2"

Code	Content	Quantity
14.320.00.16KIT		
	multigebo 16 mm x 1/2" with male thread	1
	Support sleeve 11.5 – 11.6 mm	1
	Support sleeve 12.0 mm	1
	Grip ring 16.0 mm	1
	Gauge for inner diameter of pipe	1

multigebo 17 MM X 1/2"

Code	Content	Quantity
14.320.00.17KIT		
	multigebo 17mm x 1/2" with male thread	1
	Support sleeve 13.0 mm	1
	Grip ring 17.0 mm	1
	Gauge for inner diameter of pipe	1

multigebo 20 MM X 3/4"

Code	Content	Quantity
14.320.00.20KIT		
	multigebo 20 mm x 3/4" with male thread	1
	Support sleeve 14.4 mm	1
	Support sleeve 15.0 mm	1
	Support sleeve 15.5 mm	1
	Support sleeve 16.0 mm	1
	Grip ring 20.0 mm	1
	Gauge for inner diameter of pipe	1

multigebo 25/26 MM X 1"		
Code	Content	Quantity
14.320.00.25KIT	multigebo 25/26 mm x 1" with male thread	1
	Support sleeve 19.6 mm	1
	Support sleeve 20.0 mm	1
	Grip ring 25.0 mm	1
	Grip ring 26.0 mm	1
	Gauge for inner diameter of pipe	1
multigebo 32 MM X 1 1/4"		
Code	Content	Quantity
14.320.00.32KIT	multigebo 32 mm x 1 1/4" with male thread	1
	Support sleeve 25.6 mm	1
	Support sleeve 26.0 mm	1
	Grip ring 32.0 mm	1
	Gauge for inner diameter of pipe	1

THE FOLLOWING PRODUCTS ARE INCLUDED IN THE KITS

Multigebo with length compensation

Multigebo with male thread


Support sleeve



Grip ring



Gauge

MULTIGEBO REPAIR CASE

for multi-layer pipes from various manufacturers for sizes: 16 mm and 20 mm.
Multilayer pipes according to DIN 16836 and DIN EN ISO 21003 (type M)



MULTIGEBO REPAIR CASE

Code	Content	Quantity
14.320.35.1620	Multigebo repair case	1
Code	Each item also available separately	
14.320.02.20	multigebo 20 x 20 mm fitting with adjustable length*	1
14.320.00.20	multigebo 20 mm x 3/4" fitting with male thread **	2
14.320.34.144	Support sleeve for inner diameter 14.4 mm	4
14.320.34.150	Support sleeve for inner diameter 15.0 mm	4
14.320.34.155	Support sleeve for inner diameter 15.5 mm	4
14.320.34.160	Support sleeve for inner diameter 16.0 mm	4
14.320.27.20	Gauge for inner diameter of Multilayer pipes with an outside diameter 20 mm	1
240-22BH	Brass reducing socket 1/2" x 3/4"	2
14.320.02.16	multigebo 16 x 16 mm fitting with adjustable length*	1
14.320.00.16	multigebo 16 mm x 1/2" fitting with male thread **	2
14.320.34.115	Support sleeve for inner diameter 11.5-11.6 mm	4
14.320.34.120	Support sleeve for inner diameter 12.0 mm	4
14.320.27.16	Gauge for inner diameter of Multilayer pipes with an outside diameter 16 mm	1

* with two nuts and two grip rings

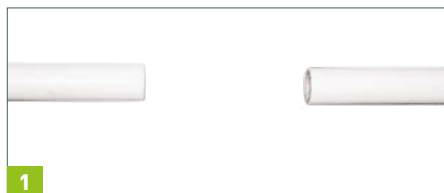
** with one nut and one grip ring

better. easier. faster.

HOW DOES IT WORK?

Following an installation example, please refer to the installation instructions that are supplied with the product.

Example for Multigebo with length adjustment.



1

Measure the outer diameter of the pipe. Cut out the damaged pipe section vertically to the pipe. Deburr the pipe ends on the inside and outside of the pipe. In case of ovalities appropriate measures for back rounding have to be carried out.



2

Measure the inner diameter of the pipe with the gauge. Push the suitable support sleeves into both pipe ends up to the end. Place both nuts on the pipe ends.



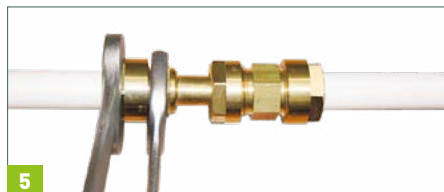
3

Put the grip rings on the pipe ends up to the end (audible click).



4

Push the body with adjustable length apart in the direction of the pipe ends until the screw ends audibly snap into place on the grip rings.



5

Screw on union nuts and tighten them until the grip rings protrude from the union nuts at a maximum of 1–2 mm. Twisting of the multilayer composite pipe must be avoided!



6

Finally fasten the middle nut (marked with a groove) on the body with adjustable length.