

WECO® – INTERNAL PIPE SEALS

TECHNICAL SPECIFICATION

Rubber quality	EPDM for drinking water EPDM for industrial water, waste water (EPDM - ethylene-propylene-diene rubber) NBR for gas, oil, Kerosene, etc. (NBR - acrylonitrile-butadiene rubber)		
Shore hardness	70 +/- 5		
Diameter ranges	- non-walkable :	DN 185 to	DN 599
	- walkable:	DN 600 to	DN 3.500
Pressure ranges	up to 20 bar internal pipe pressure		
Sleeve dimensions	total width:	280 mm	480 mm
	web width:	150 mm	350 mm
	sleeve thickness:	6 mm	6 mm
Pipe profiles	- egg-shaped - circular - special profiles on request		
Clamping bands material	Made of stainless steel (e.g. 1.4571, 1.4404 or 1.4301 for water, sewage, gas, etc.) or carbon steel (e.g. Fe 590-2 for gas, oil, etc.) depending on operating conditions and special customer demands.		
Material tests	Necessary approvals and certificates are available upon request.		

WECO®

INTERNAL PIPE SEALS

The Original

FULL SERVICE

CONSULTING

DISTRIBUTION

INSTALLATION

KNOW HOW-TRANSFER

PBT Rohrsanierungs-, Vertriebs- und Dienstleistungsgesellschaft mbH

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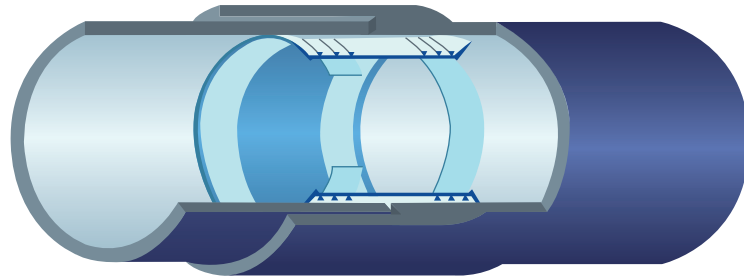
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Since the 1960s **WECO®** - internal pipe seals have been used worldwide for trench less rehabilitation of pipes and sewers for industrial water, drinking water, waste water, fuel and gas.

During the rehabilitation process use customizable rubber sleeves made of special compound which are applied over the damaged area of the inner wall of the pipe.

With installation of clamping bands in the corresponding grooves of the sleeves a safe, durable and low-cost mechanical sealing is achieved.

For special applications we develop customized solutions on request.



Aligning the **WECO®**-sleeve



Fitting the clamping bands



WECO®-seal installation

ADVANTAGES

of the **WECO®** - system

- Reduced supply interruptions due to fast installation.
- Significant reductions in excavations because depending on the pipe diameter, pipe access is only necessary every 150-400m.
- The **WECO®** - system can be used with almost all pipe materials (concrete, steel, cast iron, PVC, Fiberglass, etc.)
- Pipe junctions, pipe feeders, recesses, etc. can also be isolated or sealed with the help of the **WECO®** - system.
- For sealing of longitudinal cracks **WECO®**- hoses can be installed and also be mounted to each other endlessly to create a pipe within a pipe.
- In addition to round profiles, other noncircular profiles (egg, ellipse or oval profiles) can be sealed with **WECO®** - internal seals.
- Upon request each **WECO®** - internal pipe seal can be leak tested after assembly with the help of a special valve.
- The permanent elasticity and flexibility of the sleeves secures permanent seal of the pipe joints even in case of shifts of the pipe axis after rehabilitation.
- **WECO®** - internal pipe seals are used successfully even in non-accessible pipe diameters, for example as „Liner-End-Seals“ for sealing the ends of pipes which have been previously rehabilitated with internal liners.

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Your partner for **WECO®** - internal pipe seals with international experience and all around service. Please contact us for more information on the various options of rehabilitation with our **WECO®** - system.