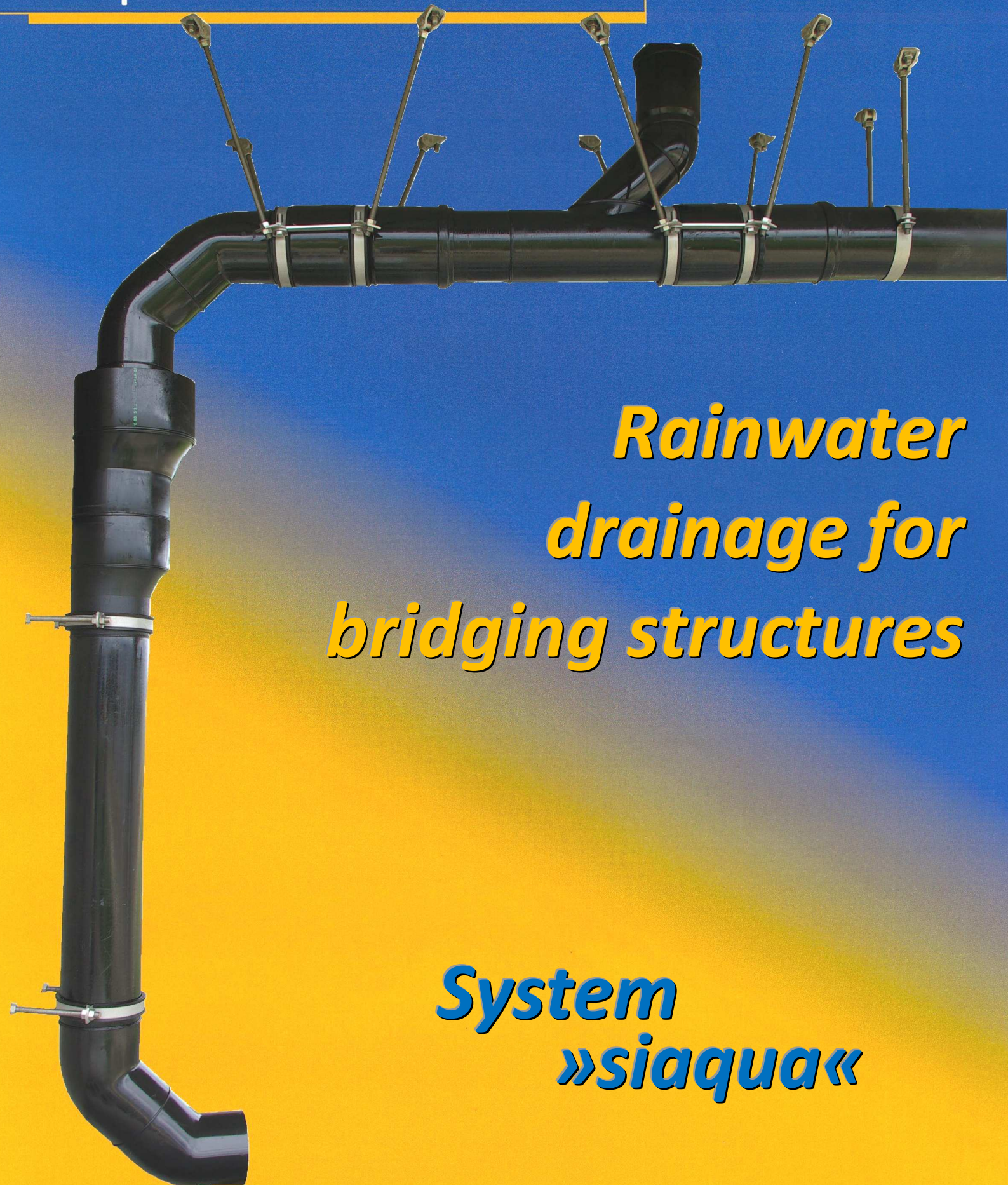


sikla

siaqua

*Rainwater
drainage for
bridging structures*

*System
»siaqua«*





Rainwater on bridges is an unpleasant thing

Removal or drainage of surface water (rainwater) from viaducts, bridges and flyovers is important for at least two reasons:

- traffic safety
- ecology.

The presence of rainwater on bridging structures is highly unwanted since these structures are in winter much more exposed to glaze ice as other road parts. However, water is not only harmful in winter and dangerous for the road traffic safety; it also has serious and negative impacts on several bridging structures, which is why building designers give great importance to the drainage system.

It is necessary to provide that drainage systems are already included in the design phase of bridging structures

Drainage system piping for bridging structures is an integral part of construction works and must comply with strict technical requirements.

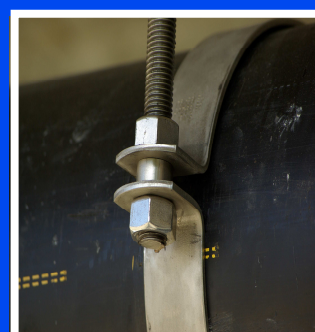
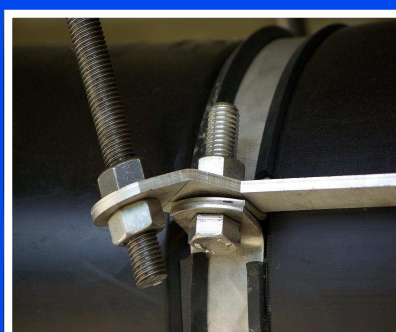
The fixation of the drainage system pipeline shall be conducted in such a way that the loads are securely transferred to the fixation parts. It shall also ensure drainage of excessive water out of the structures. Moreover, the piping must ensure safe transportation of loads and drainage, it shall be easy to install and comply with "general aesthetic criteria".

The drainage system shall be designed in such a way that in the event of an accident dangerous substances are drained away into special basins (reservoirs), where they can be safely removed before they could be discharged into the environment.

New system "siaqua" rainwater drainage system suitable for all bridging structures



Up till now excessive water of our bridging structures was drained away through cast iron pipes, but now also the Slovenian market offers the new rainwater drainage system called "siaqua" which is based on evolved material – high density polythene pipes (PE-HD), well recognized in Europe for many years. Within our program we offer you planning and delivery off all materials necessary for the drainage system installation in stainless Niro A4 or hot-dip galvanized version.





Siaqua – winning system advantages

The technical concept of the »siaqua« rainwater drainage system offers significant technical and economic advantages:

- low weight per meter;
- faster and safer installation of the system;
- increased lifetime – no corrosion;
- UV resistance;
- additional surface protection is not necessary;
- the pipe can be cut on site;
- at least 50 year guarantee;
- cost savings due to the lower purchase price and reduced installation time;
- resistance to aggressive chemicals;
- possibility of extension/movement of the pipeline together with the bridging structure;
- the entire fixing-mounting material is made of stainless steel Niro A4;
- possibility of anchoring or previously concreted guides.



Individual solutions with up to date technology

The Siaqua philosophy does not follow any rigid design concept. All essential components of the drainage system shall be adjusted individually according to the requirements of specific construction projects. Technical, economical and ecological aspects are also taken into account as well as quality of the products and materials used.

Therefore, Siaqua blocks and elements always meet the requirements of the latest technology, leading to technically convincing and economically reasonable solutions.

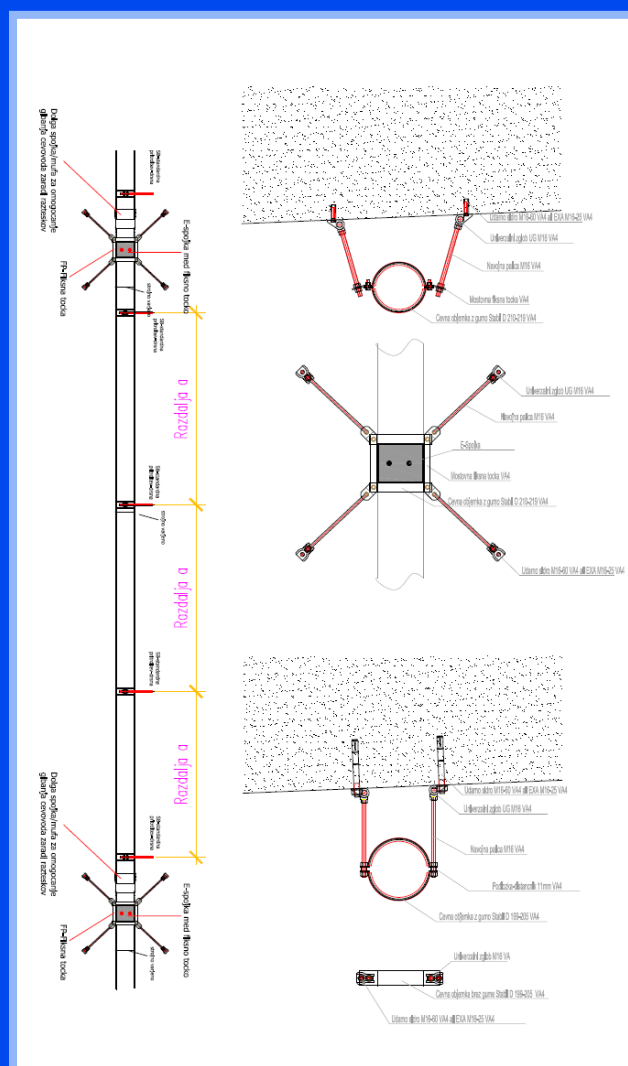


»siaqua« Rainwater drainage system for bridging structures

The installation package of the "Siaqua" rainwater drainage system for bridging structures covers the entire technical and service support for the construction and the design of a drainage system already in the design phase of the bridging structure. In doing so the following shall be documented:

- complete specifications / calculations and inventory checks of necessary material;
- installation and mounting of the entire system, undertaken by our own engineers and under our supervision;
- details of the pipeline and fixing material in AutoCad drawings;
- measures necessary for the inspection, cleaning and maintenance;
- takeover and guarantee.

Design, calculations and inventory checks undertaken by competent experts guarantee a fully functional top-performance drainage system. Sikla's Technical Service Centre is always available and cooperates closely with engineers and installers – whether it is about planning or on-site support. With our know-how we greatly contribute to the successful implementation of the project and can give you valuable advices for solutions in the field of technical equipment mounting.



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