

PROTECTIVE ELEMENTS



BOLLARDS AND BARRIERS



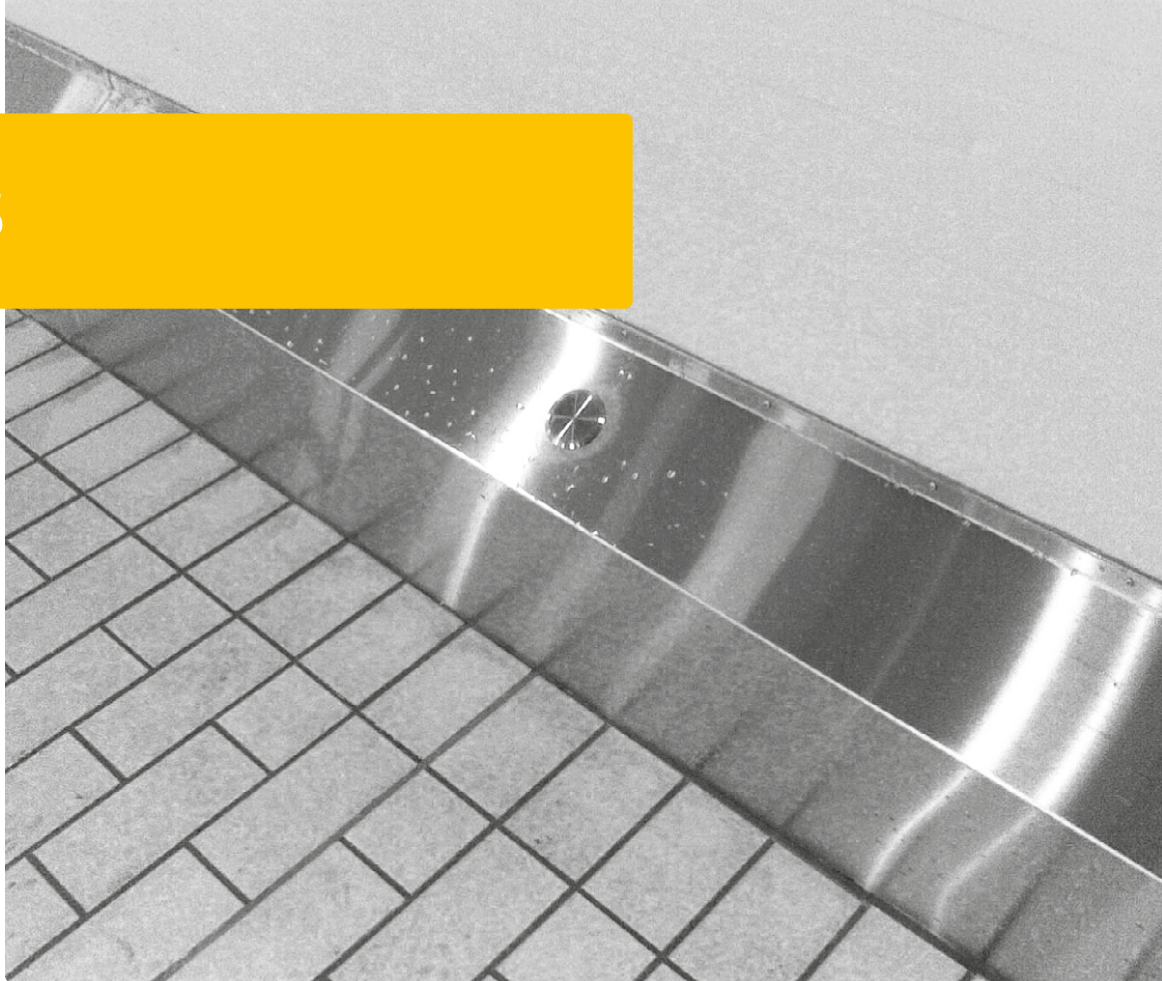
Protective elements are used e.g. in food industry plants (breweries, dairies, abattoirs), in catering facilities, and hospitals. The shape, diameter of pipes, height of buffers and mechanical resistance parameters are designed in accordance with the individual expectations of a client.

By standard, 1.5 to 3 [mm] thick pipes are used. We offer surfaces with matte or brushed finish. There are 2 types of buffer installation: 1) in holes in the floor which are filled with concrete; 2) by chemical or expansion anchors, that attach the flange of the buffer to the floor.

The complete unit constitutes a durable and hygienic element that provides protection for walls, sliding doors and other objects, and enables effective cleaning of the protected area. Non-corrosive stainless steel is a significant advantage for bollards and barriers in the event of mechanical damage. Upon impact, the product is only deformed, and it retains its hygienic characteristics.



KERBS

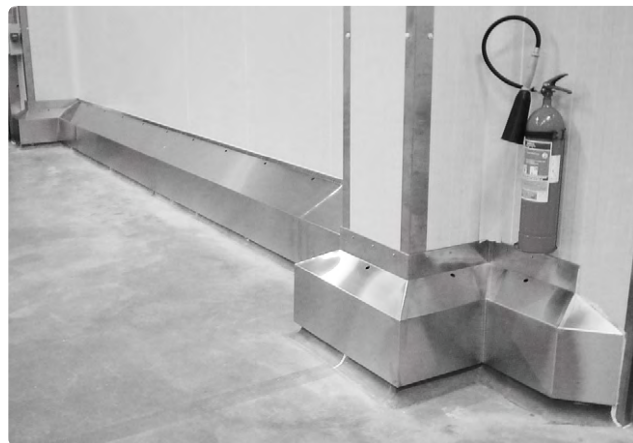


STAINLESS STEEL KERBS

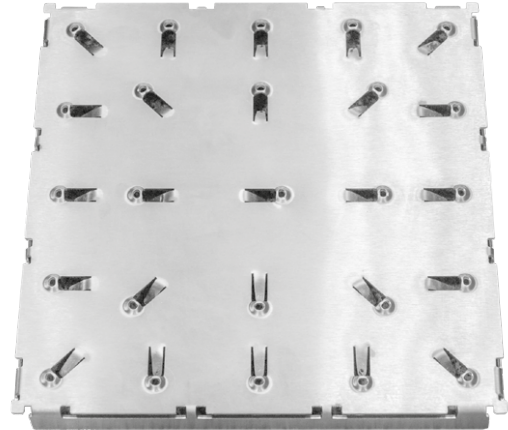
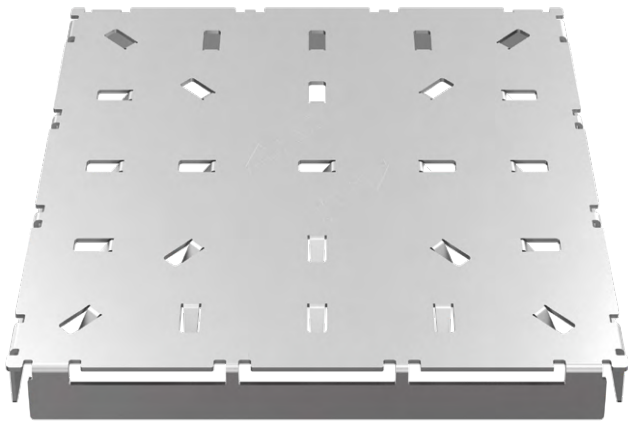
Food production, chemical, and pharmaceutical plants require adherence to particularly strict hygiene requirements. These include covering contact places between a floor and a wall, as well as walls and a ceiling, where dirt and moisture may accumulate, thus creating conditions contributing to the growth of bacteria.

Stainless steel kerbs are an excellent and functional solution to avoid the problem of bacterial contamination and dirt accumulation. The product is designed to fit to wall panels as well as concrete structures to effectively protect these surfaces. ATT's product line of kerbs is supplemented by finishing elements such as internal and external corners. At the connection between kerbs and the floor, appropriate sealing substances, resistant to strong disinfecting agents and high temperatures, are used.

The product range includes both kerbs that tightly adhere to the panels, and those filled with concrete, and then closed with special covers.



STAINLESS BUFFERING TILES



Stainless buffering tiles offered by ATT are made of 2 and 3 mm thick sheet metal. They feature high degree of resistance to devastation and damage, and withstand virtually every load occurring in industry and transport.

Due to the strict hygienic requirements imposed by e.g. food processing industry standards, ATT offers stainless steel products characterized by anti-corrosion, hygienic finishing and durability.

APPLICATION

- heavy industry plants,
- food industry plants,
- production halls,
- warehouses, stacking yards,
- printing houses,
- unloading ramps,
- foundries, ironworks.

ADVANTAGES

- resistance to high load classes,
- durability,
- safety,
- renovation of the floor is not required,
- technical support during the entire process of implementation of an order,
- installation service.



EXPANSION JOINTS

EXPANTION JOINTS

In order to prevent cracks in floors made over larger surfaces, expansion joint cuts are applied during floor application. A stainless steel expansion joint is a structural element buffering surface movements. It also protects gaps against accumulation of any kind of contamination.

