



FUNCTIONS AND POSSIBILITIES

- Stainless steel acid-resistant EN 1.4404
- Narrow profiles 20 mm
- Wide profiles for modular locks 85 mm
- Wide profiles 130, 180 and 260 mm
- Finger trap gasket
- Arches and round windows
- Burglary and bullet resistance
- Fire resistance up to EI 120
- Sliding door up to EI 30

STÅLPROFIL SYSTEM IN STAINLESS STEEL

Stålprofil can deliver all profile systems in stainless steel, acid-resistant quality EN 1.4404 (AISI/ASTM 316L). The systems are intended for glazed door and sliding door sections, and facade, wall and window sections, interior as well as exterior, in offices and shopping centres, airports, banks, embassies, prisons, schools, hospitals, etc.

The profiles are non-insulated, insulated with a thermal bridge and fire insulated and can fulfil requirements for, e.g., fire, burglary- or bullet resistance, thermal insulation and airborne noise reduction, etc. Technical approvals as issued by SITAC includes, e.g. fire and burglary resistant sections in combination. The profiles are especially suitable when there are high demands for corrosion resistance and resistance against wear and tear.



ACID-RESISTANT QUALITY EN 1.4404 (AISI/ASTM 316L, SS 2348)

All our profiles and glazing beads in stainless steel are in acid-resistant quality **EN 1.4404**. This quality is also known as **AISI/ASTM 316L** and formerly designated **SS 2348**. The use of stainless steel quality EN 1.4404 is especially suitable for environments with demands for resistance against air pollution, coastal environments, resistance against chemicals, etc. This in comparison with, e.g., the low grade non-acid resistant stainless steel quality EN 1.4301 (AISI 304).

The profiles are solid and have a good resistance against wear and tear. The glazing beads are of the same high quality and the other accessories are, of course, compatible for use with stainless steel profiles. The glazing beads has a hidden fixation in the profiles.

The form and surface of the profiles in stainless steel give a classically beautiful stainless steel look and the surface mirrors the surrounding colours in a soft and pleasant way.



COMPARISON WITH OTHER SOLUTIONS

The solid profiles do not need to be covered with thin sheet metal to achieve the stainless surface. Hence, there is no risk of corrosion between the profiles and any sheet steel cover, loose pieces nor visible screws and popnuts. It also means there is no risk of tearing or deformation of the thin cover. When choosing sections in stainless steel profile systems from Stålprofil you **avoid**:

- Loose and glued sheet metal
- Risk of corrosion between various steel materials
- Wear and tear of covering
- Loose flanges
- Visible screws and pop nuts
- Non-acid resistant quality, e.g., EN 1.4301 (AISI 304)

