

### *Stainless steel enclosures IP66* *Features and benefits*

#### Features:

- ☐ IP66 certified
- ☐ Grades 304, 304L and 316L available
- ☐ Monobloc symmetrical enclosure
- ☐ Scotch Brite mechanical polished finish
- ☐ Wide range of accessories shared with Spacial 3D (steel wall) and Thalassa (GRP wall) ranges
- ☐ Canopies available for additional protection
- ☐ Door reversible by inverting enclosure
- ☐ Multiple equipment mounting options – galvanised plain chassis, perforated chassis, DIN chassis and inner doors
- ☐ Smooth sides to reduce effect of dirt build up
- ☐ Vertical door rails for equipment mounting
- ☐ 3mm double bar chromed zamack lock
- ☐ UL-50 approval



| Dimensions   | Enclosure | Plate |
|--------------|-----------|-------|
| 300x200x150  | 54915     | 55715 |
| 300x300x150  | 54902     | 55702 |
| 400x300x150  | 54917     | 55712 |
| 400x300x200  | 54918     | 55712 |
| 400x400x200  | 54919     | 55719 |
| 500x400x200  | 54923     | 55723 |
| 600x400x200  | 54926     | 55726 |
| 600x600x250  | 54929     | 55729 |
| 700x500x250  | 54935     | 55735 |
| 800x600x250  | 54956     | 55756 |
| 800x800x300  | 54946     | 55745 |
| 1000x800x300 | 54961     | 55760 |
| 1200x800x300 | 54964     | 55764 |

#### Benefits:

- ☐ High resistance to corrosion
- ☐ Reduced likelihood of dirt build up
- ☐ IP66 ensured with the use of a canopy
- ☐ Choice of equipment mounting options can provide the simplest solution
- ☐ Enclosure can be mounted with door hinged right or left to suit available space



# Spatial stainless steel enclosure

## presentation

These enclosures are particularly intended for industrial sectors where cleanliness, hygiene and resistance to corrosion are of paramount importance, such as in the chemical, petroleum and food and agriculture industries.

## technical characteristics

- Degree of protection IP 66 conforming to EN 60 529.
- Resistance to external mechanical impact: IK 10 conforming to EN 50 102.
- Standard door closure by 3 mm double bar lock (chromed zamack or epoxy black).
- Totally symmetrical enclosure. Reversal of door opening direction by simple inversion of the enclosure.
- Equipotential connection assured by M6 x 16 screws on body and on door.
- Four holes for fixing direct to wall or by means of fixing lugs (to be ordered separately), blanked off by sealing plugs
- No perforated on body.
- UL-50 approval and Veritas Office certification.

## polished/brushed stainless steel range

- Monobloc enclosures constructed of AISI304 stainless steel, thickness 1 mm to 1.5 mm.
- Scotch Brite (AST) mechanical polishing of all surfaces provides excellent resistance to corrosion.
- Polyurethane seal.
- Two perforated vertical door reinforcement profiles (on models from 600 mm height), with Ø 4.25 mm holes on 25 mm pitch.
- Door reinforcement frame for ref. 54961 and 54964, section 20 x 15 mm, with Ø 5 and 10 mm holes on 25 mm pitch.

## microbeading finish stainless steel range

- Monobloc enclosures in stainless steel AISI 304L (resistant to highly corrosive organic agents) or AISI 316L (resistant to concentrated acids and halogens).
- Microbeading finish consists of high velocity bombardment of the surface to be treated with ceramic beads, closing by cold hardening all rolling microcracks and increasing the hardness of the steel.
- The main properties of this overall satin finish are to considerably reduce substance adherence and to enable disinfection or even sterilisation.
- Enclosure sheet thickness 1.5 mm, with bonded 20 x 6 neoprene seal and hinges in stainless steel 316L. Door reinforcement frame from 600 mm height, 2 and 3 closure points from 500 and 1000 mm heights respectively.



| external dimensions |       |       | polished encl. ref. | micro-beaded encl. ref. |                      |
|---------------------|-------|-------|---------------------|-------------------------|----------------------|
| height              | width | depth | stainless steel 304 | stainless steel 304L    | stainless steel 316L |
| 300                 | 200   | 150   | ENN54915            | ENN54802                | ENN54852             |
|                     | 300   | 150   | ENN54902            | ENN54804                | ENN54854             |
| 400                 | 300   | 150   | ENN54917            | ENN54806                | ENN54856             |
|                     | 300   | 200   | ENN54918            | ENN54807                | ENN54857             |
|                     | 400   | 200   | ENN54919            | ENN54808                | ENN54858             |
| 500                 | 400   | 200   | ENN54923            | ENN54810                | ENN54860             |
| 600                 | 400   | 200   | ENN54926            | ENN54812                | ENN54862             |
|                     | 600   | 250   | ENN54929            | ENN54814                | ENN54864             |
| 700                 | 500   | 250   | ENN54935            | ENN54816                | ENN54866             |
|                     | 800   | 250   | ENN54956            | ENN54818                | ENN54868             |
| 800                 | 800   | 300   | ENN54946            | ENN54819                | ENN54869             |
|                     | 1000  | 800   | ENN54961            | ENN54820                | ENN54870             |
| 1200                | 800   | 300   | ENN54964            | ENN54822                | ENN54872             |

## Stainless steel type selection

- The types of steel used for Sarel enclosures are adapted to resist aggressive agents in the humid, saline and acid atmospheres of the food industry, both chemical and mechanical, thus minimising the risks of corrosion.
- Stainless steel contains chromium and other elements such as nickel and molybdenum which give it high resistance to corrosion and aggressive agents. Its low carbon content guarantees excellent resistance to intercrystalline corrosion.
- The different finishes proposed (brushed, microbeading, electropolished or painted) enable solutions to all demands relating to appearance, cleaning and long life.

| stainless steel type | chemical composition (%) |        |        |        | type of finish (1) | examples of use                         |
|----------------------|--------------------------|--------|--------|--------|--------------------|-----------------------------------------|
| AISI grade N. Europe | carbon                   | chrome | nickel | molyb. |                    |                                         |
| 304                  | 1.4301                   | < 0,07 | 17-19  | 8-10   | 0                  | Brushed Agri-food, pharmaceuticals      |
| 304 L                | 1.4307                   | < 0,03 | 17-19  | 8-10   | 0                  | Microbeading                            |
| 316 L                | 1.4404                   | < 0,03 | 17-19  | 10-13  | 2-2,5              | Microbeading Marine, chemicals industry |

(1) Stainless steel can be painted on request (excellent guarantee against corrosion) or electropolished (mirror finish).

# Spacial stainless steel enclosure



■ Polyurethane sealing gasket and gutter shaped front profile ensure total protection.



■ Perforated vertical door reinforcement rails on enclosures above 600 mm height allow fixing of door mounted equipment.



■ Door reinforcement frame on models ENN54961 and ENN54964.  
■ Stainless steel hinges screw fixed to the body of enclosure to simplify removal of door for reversing its opening direction. Door opening angle: 120°.

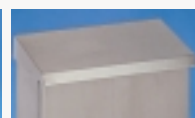
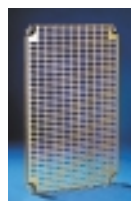


■ 4 welded studs in rear of enclosure for attaching plain chassis and step slides. 4 drillings for mounting enclosure on wall, either directly or using fixing lugs.



■ Welded earth studs on enclosure body and door with bolted connection lead. Total security in operation.

## accessories selection table



| external dimensions |       |       | equipment mounting accessories references |              |                 |                   |                         | general accessories |          |
|---------------------|-------|-------|-------------------------------------------|--------------|-----------------|-------------------|-------------------------|---------------------|----------|
| height              | width | depth | chassis plain                             | silkscreened | microperforated | perforated plates | mixed chassis symmetric | step slides         | canopies |
| 300                 | 200   | 150   | ENN55715                                  | —            | —               | ENN55415          | —                       | —                   | ENN50516 |
|                     | 300   | 150   | ENN55702                                  | —            | —               | ENN55402          | ENN55002                | —                   | ENN50517 |
| 400                 | 300   | 150   | ENN55712                                  | ENN55362     | ENN50412        | ENN55417          | ENN55017                | —                   | ENN50517 |
|                     | 300   | 200   | ENN55712                                  | ENN55362     | ENN50412        | ENN55417          | ENN55017                | ENN53490            | ENN50518 |
|                     | 400   | 200   | ENN55719                                  | ENN55369     | ENN50419        | ENN55419          | ENN55019                | ENN53490            | ENN50519 |
| 500                 | 400   | 200   | ENN55723                                  | ENN55373     | ENN50423        | ENN55423          | ENN55023                | ENN53490            | ENN50519 |
| 600                 | 400   | 200   | ENN55726                                  | ENN55376     | ENN50426        | ENN55426          | ENN55026                | ENN53490            | ENN50519 |
|                     | 600   | 250   | ENN55729                                  | ENN55379     | ENN50429        | ENN55429          | ENN55029                | ENN53491            | ENN50521 |
| 700                 | 500   | 250   | ENN55735                                  | ENN55385     | ENN50435        | ENN55435          | ENN55035                | ENN53491            | ENN50520 |
| 800                 | 600   | 250   | ENN55756                                  | ENN55396     | ENN50456        | ENN55456          | ENN55056                | ENN53491            | ENN50521 |
|                     | 800   | 300   | ENN55745                                  | —            | ENN50445        | ENN55446          | ENN55045                | ENN53492            | ENN50561 |
| 1000                | 800   | 300   | ENN55760                                  | —            | ENN50460        | ENN55460          | ENN55060                | ENN53492            | ENN50561 |
| 1200                | 800   | 300   | ENN55764                                  | —            | ENN50464        | ENN55464          | ENN55064                | ENN53492            | ENN50561 |

## special versions

On request, these enclosures can be delivered with:

- bonded safety glass,
  - alternative locks,
  - other dimensions or forms,
  - alternative finishes (paint finish, electropolishing, etc.).
- Consult our local sales office for quantities.



Special version example

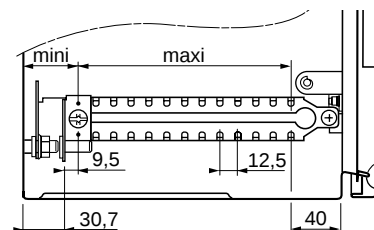
# Spacial stainless steel enclosure

## step slides

- Set of 4 step slides.
- Enable depth adjustment of chassis on 12.5 mm pitch. In addition, a 4 mm diameter hole on the front lip of each slide can be used for mounting other equipment or accessories.
- Material: steel, galvanised.

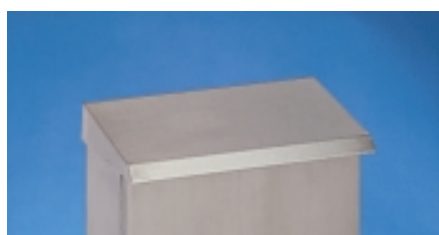


| reference | for enclosures depth | dimensions A (mm) |
|-----------|----------------------|-------------------|
| ENN53490  | 200                  | 44                |
| ENN53491  | 250                  | 46                |
| ENN53492  | 300                  | 49                |



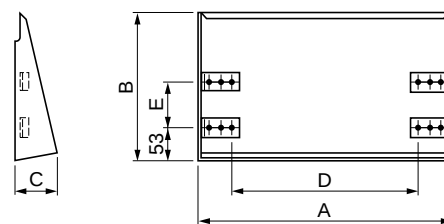
## canopy

- Direct attachment to enclosure body.
- Material: stainless steel 304, thickness 1.5 mm, Scotch Brite (AST) type polished finish.
- Fixings for assembly included.
- Alternative finishes and steel grades: please contact our local sales office.



| reference | for enclosures width | depth |
|-----------|----------------------|-------|
| ENN50516  | 200                  | 150   |
| ENN50517  | 300                  | 150   |
| ENN50518  | 300                  | 200   |
| ENN50519  | 400                  | 200   |
| ENN50520  | 500                  | 250   |
| ENN50521  | 600                  | 250   |
| ENN50561  | 800                  | 300   |

| canopy reference | dimensions |     |    |     |     |
|------------------|------------|-----|----|-----|-----|
|                  | A          | B   | C  | D   | E   |
| ENN50516         | 205        | 183 | 51 | 120 | —   |
| ENN50517         | 305        | 183 | 51 | 220 | —   |
| ENN50518         | 305        | 233 | 51 | 220 | 70  |
| ENN50519         | 405        | 233 | 70 | 320 | 70  |
| ENN50520         | 505        | 283 | 70 | 420 | 120 |
| ENN50521         | 605        | 283 | 70 | 520 | 120 |
| ENN50561         | 805        | 333 | 70 | 720 | 170 |



## wall fixing lugs

- Set of 4 wall fixing lugs in stainless steel 304 or 316L.
- Attach directly to enclosure, either in vertical or horizontal position.



| reference | s/steel type | finish           |
|-----------|--------------|------------------|
| ENN53496  | 304          | polished/brushed |
| ENN51251  | 304L         | microbeading     |
| ENN54969  | 316L         | microbeading     |

## locks

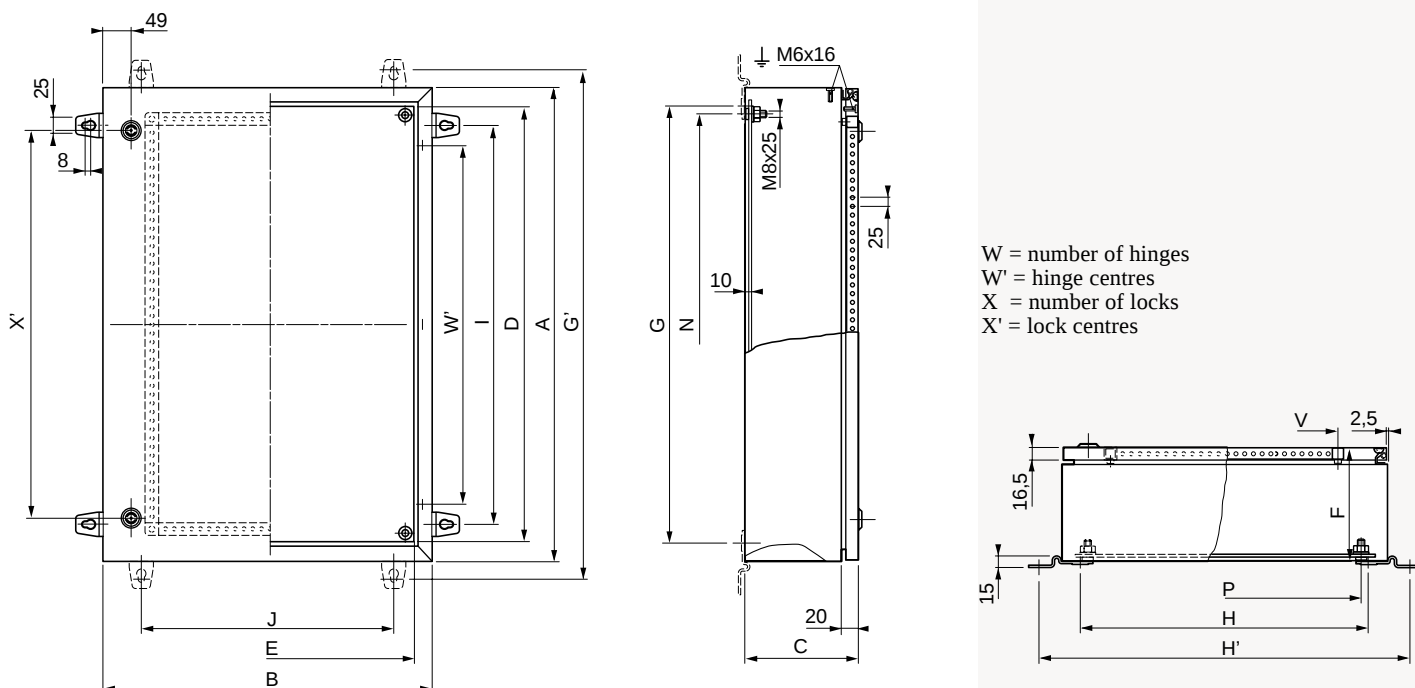
- 3 mm double bar zamack chromed lock included.
- Degree of protection: IP 66.



| reference | description                   |
|-----------|-------------------------------|
| ENN51354  | 3 mm double bar (replacement) |
| ENN51351  | Triangular, 8 mm male         |
| ENN51352  | Square, 7 mm male             |
| ENN51353  | Square, 6 mm male             |
| ENN51357  | PB release, chrome 1242 E     |
| ENN51358  | PB release, polyamide 1242 E  |

# Spacial stainless steel enclosure

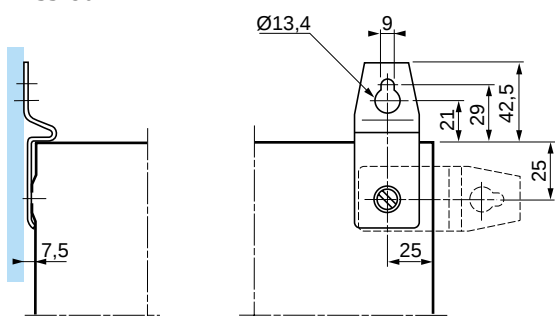
## dimensions



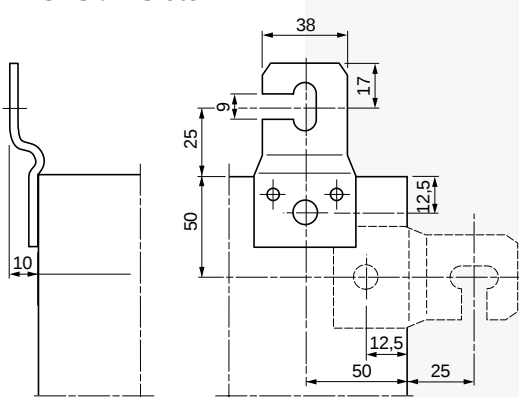
| external dimensions |     |     | internal dimensions |     |     | wall fixing points (1) |     |      |     |      |     | rear mounted fixing studs |     | cable guide | closure points |      |   |     | weight kg |
|---------------------|-----|-----|---------------------|-----|-----|------------------------|-----|------|-----|------|-----|---------------------------|-----|-------------|----------------|------|---|-----|-----------|
| A                   | B   | C   | D                   | E   | F   | G                      | H   | I    | J   | G'   | H'  | N                         | P   | V           | W              | W'   | X | X'  |           |
| 300                 | 200 | 150 | 257                 | 157 | 134 | 250                    | 150 | 250  | 150 | 358  | 258 | 225                       | 125 | —           | 2              | 162  | 1 | —   | 3.9       |
| 300                 | 300 | 150 | 257                 | 257 | 134 | 250                    | 250 | 250  | 250 | 358  | 358 | 225                       | 225 | —           | 2              | 162  | 1 | —   | 4.8       |
| 400                 | 300 | 150 | 347                 | 257 | 134 | 350                    | 250 | 350  | 250 | 458  | 358 | 325                       | 225 | —           | 2              | 262  | 2 | 200 | 5.7       |
| 400                 | 300 | 200 | 347                 | 257 | 184 | 350                    | 250 | 350  | 250 | 458  | 358 | 325                       | 225 | —           | 2              | 262  | 2 | 200 | 6.7       |
| 400                 | 400 | 200 | 347                 | 357 | 184 | 350                    | 350 | 350  | 350 | 458  | 458 | 325                       | 325 | —           | 2              | 262  | 2 | 200 | 7         |
| 500                 | 400 | 200 | 457                 | 357 | 184 | 450                    | 350 | 450  | 350 | 558  | 458 | 425                       | 325 | —           | 2              | 362  | 2 | 250 | 9.2       |
| 600                 | 400 | 200 | 557                 | 357 | 184 | 550                    | 350 | 550  | 350 | 658  | 458 | 525                       | 325 | 319         | 2              | 462  | 2 | 350 | 10.7      |
| 600                 | 600 | 250 | 557                 | 557 | 234 | 550                    | 550 | 550  | 550 | 658  | 658 | 525                       | 525 | 519         | 2              | 462  | 2 | 350 | 14        |
| 700                 | 500 | 250 | 657                 | 457 | 234 | 650                    | 450 | 650  | 450 | 758  | 558 | 625                       | 425 | 419         | 2              | 562  | 2 | 450 | 18.5      |
| 800                 | 600 | 250 | 757                 | 557 | 234 | 750                    | 550 | 750  | 550 | 858  | 658 | 725                       | 525 | 519         | 2              | 662  | 2 | 550 | 23.5      |
| 800                 | 800 | 300 | 757                 | 757 | 284 | 750                    | 750 | 750  | 750 | 858  | 858 | 725                       | 725 | 719         | 2              | 662  | 2 | 550 | 31        |
| 1000                | 800 | 300 | 957                 | 757 | 284 | 950                    | 750 | 950  | 750 | 1058 | 858 | 925                       | 725 | 650         | 3              | 862  | 2 | 750 | 38.5      |
| 1200                | 800 | 300 | 1157                | 757 | 284 | 1150                   | 750 | 1150 | 750 | 1258 | 858 | 1125                      | 725 | 650         | 3              | 1062 | 2 | 950 | 44        |

(1) With wall fixing lugs ref. ENN53496, to be ordered separately.

## polished/brushed stainless steel range ENN53496



## microbeading stainless steel range ENN51251/ENN54969



## chassis

Dimensions, see page 87.