



**GP-Z**



**GP-G**



**GP-A2**



**GP-PL**



**GP-PVC**



**GP-O / GL-O**



**SP-Z**



**SP-V**



**SP-H**



**SP-HX**

## CHARACTERISTICS

- Standard range of pre galvanized channels for medium duty fluid piping.
- Great flexibility in assembly: suspended, directly fixed to walls, fixed to other perforated channels, etc.
- compatible with the clamp range from the catalogue, both for piping and electrical needs.
- Ideal for specialized installers in this field.
- In a variety of materials:
  - Galvanized: for supporting electrical installations or simple indoor/outdoor fluid installations with moderate corrosion.
  - Stainless steel: For outdoor use or in humid or pollutant (chlorine-free) industrial environments.
  - Yellow plasti-coated: High isolation and great resistance to corrosive environments. Used for identification of gas installations.
  - PVC: for light loads. Easy installation (may be cut without tools) and good resistance to chemical agents in general.

## BASE MATERIAL



## APPLICATION EXAMPLES



Channels and cantilevers for electrical and telecommunication installations and piping.

Cable tray supports.

Accessories which complement basic equipment.

## 1. GAMA

| ITEM | PHOTO                                                                               | REFERENCE               | DESCRIPTION                                | MATERIAL                                                                                                  | COATING                                                                                                                                                     |
|------|-------------------------------------------------------------------------------------|-------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    |    | GPZ201010               | Channel 20 x 10 x 1                        | <br>Steel              | <br>Zinc-plated $\geq 5\mu\text{m}$<br>( $\bar{x} = 7\mu\text{m}$ )      |
|      |                                                                                     | GPZ250808               | Channel 25 x 8 x 0,80                      |                                                                                                           |                                                                                                                                                             |
| 2    |    | GPG271812 / GPG3M271812 | Channel 27 x 18 x 1.25                     | <br>Steel              | <br>Atlantis C2-M<br>$\geq 7\mu\text{m}$ ( $\bar{x} = 10\mu\text{m}$ )   |
|      |                                                                                     | GPG283018 / GPG3M283018 | Channel 28 x 30 x 1.80                     |                                                                                                           |                                                                                                                                                             |
|      |                                                                                     | GPG384020               | Channel 38 x 40 x 2.00                     |                                                                                                           |                                                                                                                                                             |
|      |                                                                                     | GPG351312               | Channel 35 x 12 x 1,20                     |                                                                                                           |                                                                                                                                                             |
|      |                                                                                     | GPG402015               | Channel 40 x 20 x 1.50                     |                                                                                                           |                                                                                                                                                             |
| 3    |    | GPI271812               | Channel 27 x 18 x 1.25                     | <br>Stainless steel A2 | --                                                                                                                                                          |
|      |                                                                                     | GPI283015               | Channel 28 x 30 x 1.50                     |                                                                                                           |                                                                                                                                                             |
|      |                                                                                     | GPI384020               | Channel 38 x 40 x 2.00                     |                                                                                                           |                                                                                                                                                             |
| 4    |   | GPP271812               | Channel 27 x 18 x 1.25                     | <br>Steel              | <br>Yellow plastic paint                                                 |
| 5    |  | GPV251120               | Channel 25 x 11 x 2.00                     | <br>PVC              | --                                                                                                                                                          |
| 6    |  | GPO357510               | Zinc-plated omega Channel<br>slotted/plain | <br>Steel            | <br>Atlantis C2-M<br>$\geq 7\mu\text{m}$ ( $\bar{x} = 10\mu\text{m}$ ) |
|      |                                                                                     | GPO351515               |                                            |                                                                                                           |                                                                                                                                                             |
|      |                                                                                     | GLO357510               |                                            |                                                                                                           |                                                                                                                                                             |
|      |                                                                                     | GLO351515               |                                            |                                                                                                           |                                                                                                                                                             |
| 7    |  | SPZ271820               | Cantilever 27 x 18 x 1,20 x 200            | <br>Steel            | <br>Zinc-plated $\geq 5\mu\text{m}$                                    |
|      |                                                                                     | SPZ271830               | Cantilever 27 x 18 x 1,20 x 300            |                                                                                                           |                                                                                                                                                             |
|      |                                                                                     | SPZ384020               | Cantilever 38 x 40 x 2,00 x 200            |                                                                                                           |                                                                                                                                                             |
|      |                                                                                     | SPZ384025               | Cantilever 38 x 40 x 2,00 x 250            |                                                                                                           |                                                                                                                                                             |
|      |                                                                                     | SPZ384030               | Cantilever 38 x 40 x 2,00 x 300            |                                                                                                           |                                                                                                                                                             |
|      |                                                                                     | SPZ384035               | Cantilever 38 x 40 x 2,00 x 350            |                                                                                                           |                                                                                                                                                             |
|      |                                                                                     | SPZ384040               | Cantilever 38 x 40 x 2,00 x 400            |                                                                                                           |                                                                                                                                                             |
|      |                                                                                     | SPZ384050               | Cantilever 38 x 40 x 2,00 x 500            |                                                                                                           |                                                                                                                                                             |
| 8    |  | SPV2718                 | Vertical support                           | <br>Steel            | <br>Zinc-plated $\geq 5\mu\text{m}$                                    |
|      |                                                                                     | SPV3840                 |                                            |                                                                                                           |                                                                                                                                                             |
| 9    |  | SPH2718                 | Horizontal support                         | <br>Steel            | <br>Zinc-plated $\geq 5\mu\text{m}$                                    |
|      |                                                                                     | SPH3840                 |                                            |                                                                                                           |                                                                                                                                                             |
| 10   |  | SPGH2718                | Horizontal channel support                 | <br>Steel            | <br>Zinc-plated $\geq 5\mu\text{m}$                                    |
|      |                                                                                     | SPGH3840                |                                            |                                                                                                           |                                                                                                                                                             |

## 2. COMPATIBILITY TABLE.

[illegible]

### 3. INSTALLATION DATA

#### 3.1 GP-Z

#### Zinc-plated slotted channel



##### Material



Steel

##### Coating

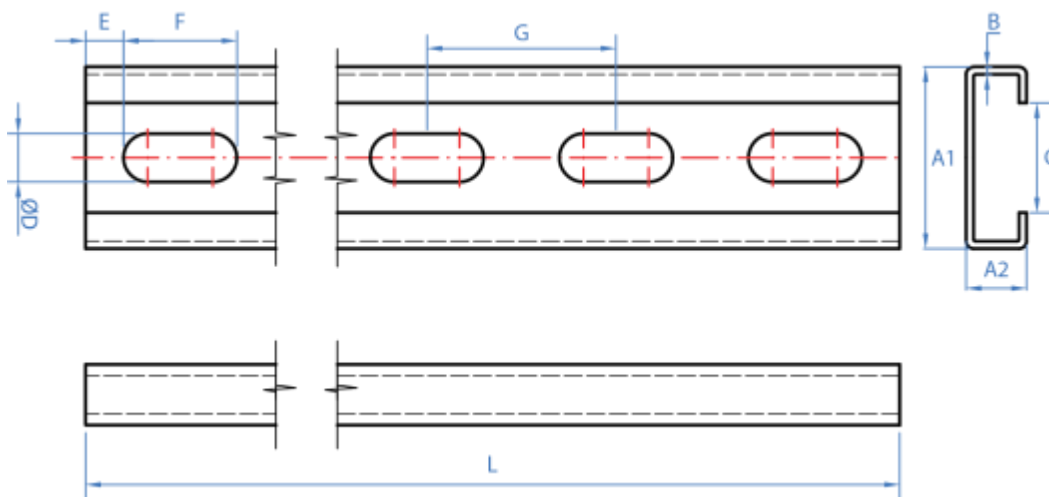


Zinc-plated  $\geq 5\mu\text{m}$  ( $\bar{x} = 7\mu\text{m}$ )

#### Installation data

| Code      | A1 | A2 | B   | C    | $\varnothing D$ | E   | F  | G  | L    |
|-----------|----|----|-----|------|-----------------|-----|----|----|------|
| GPZ201010 | 20 | 10 | 1,0 | 10,5 | 6,5             | 5   | 15 | 25 | 2000 |
| GPZ250808 | 25 | 8  | 0,8 | 14,0 | 6,5             | 3,5 | 18 | 25 | 1000 |

#### Drawing



#### Resistances

See section 5. *LOAD AND DESIGN HIPOTESIS*

## 3.2 GP-G

### Galvanized slotted channel



#### Material



Steel

#### Coating



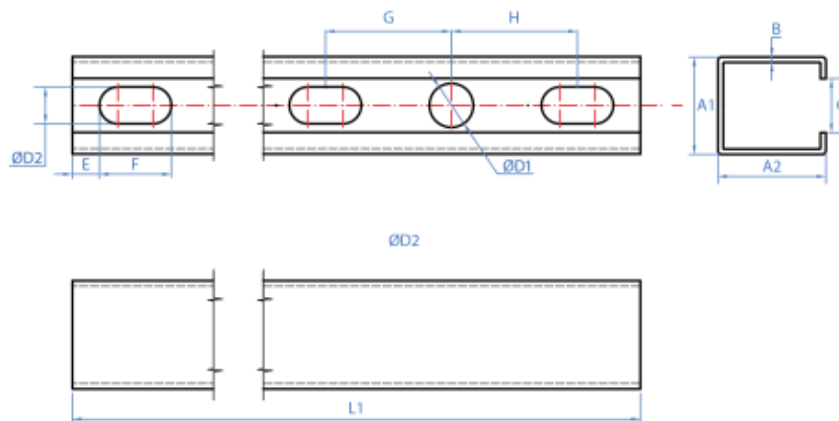
Atlantis C2 H  
 $\geq 7\mu\text{m}$  ( $\bar{x} = 10\mu\text{m}$ ) GPG271812  
 $\geq 15\mu\text{m}$  ( $\bar{x} = 20\mu\text{m}$ ) Rest of the channels

#### Installation data

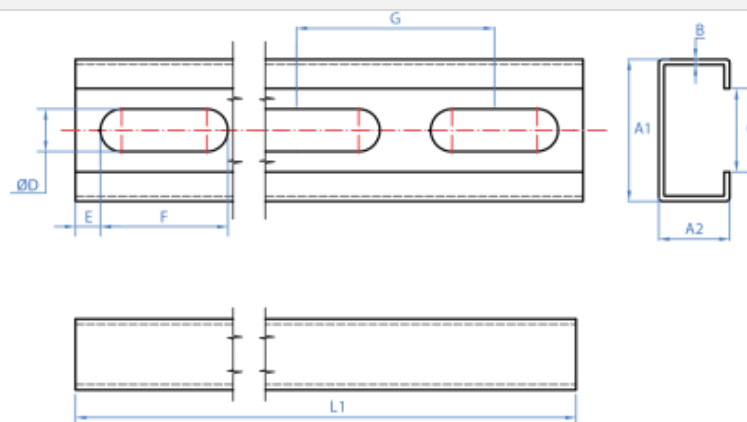
| Code        | A1 | A2 | B    | C    | ØD1  | ØD2  | E   | F    | G    | H  | L1   |
|-------------|----|----|------|------|------|------|-----|------|------|----|------|
| GPG271812   | 27 | 18 | 1,25 | 15,0 | 10,5 | 8,5  | 8,0 | 18,5 | 30   | 30 | 2000 |
| GPG3M271812 | 27 | 18 | 1,25 | 15,0 | 10,5 | 8,5  | 8,0 | 18,5 | 30   | 30 | 3000 |
| GPG283018   | 28 | 30 | 1,80 | 15,0 | 12,0 | 10,0 | 7,5 | 20,0 | 35   | 35 | 2000 |
| GPG3M283018 | 28 | 30 | 1,80 | 15,0 | 12,0 | 10,0 | 7,5 | 20,0 | 35   | 35 | 3000 |
| GPG384020   | 38 | 40 | 2,00 | 17,0 | 12,0 | 10,0 | 7,5 | 20,0 | 35   | 35 | 2000 |
| GPG351312   | 35 | 13 | 1,20 | 15,5 | 8,5  | --   | 4,0 | 18,0 | 28,0 | -- | 2000 |
| GPG402015   | 40 | 20 | 1,50 | 23,5 | 12,0 | --   | 7,0 | 36,0 | 50   | -- | 2000 |

#### Drawing

GPG271812 / GPG283018 / GPG384020



GPG351312 / GPG402015



#### Resistances

See section 5. *LOAD AND DESIGN HIPOTESIS*

### 3.3 GP-A2

#### Stainless steel slotted channel



##### Material



Steel

##### Coating

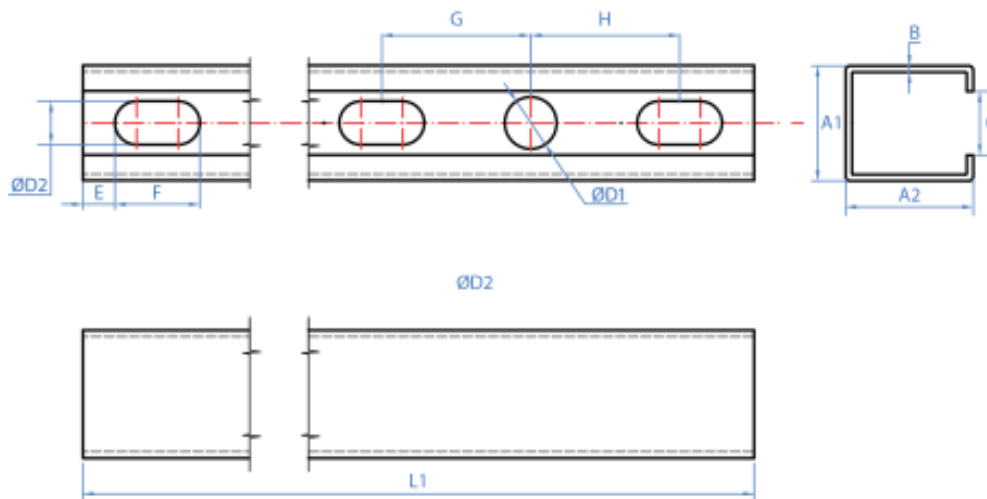


Stainless steel A2

#### Installation data

| Code      | A1 | A2 | B    | C    | ØD1  | ØD2  | E   | F  | G  | H  | L1   |
|-----------|----|----|------|------|------|------|-----|----|----|----|------|
| GPI271812 | 27 | 18 | 1,25 | 15,0 | 12,0 | 8,0  | 15  | 20 | 35 | 35 | 2000 |
| GPI283015 | 28 | 30 | 1,50 | 15,0 | 12,0 | 10,0 | 10  | 20 | 35 | 35 | 2000 |
| GPI384020 | 38 | 40 | 2,00 | 17,0 | 12,0 | 12,0 | 9,5 | 20 | 35 | 35 | 2000 |

#### Drawing



#### Resistances

See section 5. *LOAD AND DESIGN HIPOTESIS*

3.4 GP-PL

Plastic painted slotted channel



Material



Steel

Coating

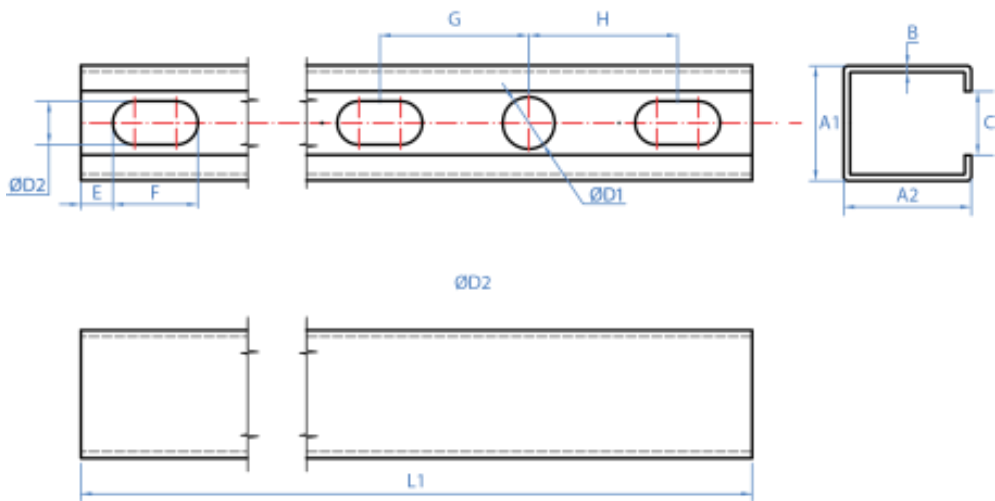


Yellow plastic paint

Installation data

| Code      | A1 | A2 | B    | C    | ØD1  | ØD2 | E  | F  | G  | H  | L1   |
|-----------|----|----|------|------|------|-----|----|----|----|----|------|
| GPP271812 | 27 | 18 | 1,25 | 15,0 | 12,0 | 8,0 | 15 | 20 | 35 | 35 | 1000 |

Drawing



3.5 GP-PVC

PVC slotted channel



Material

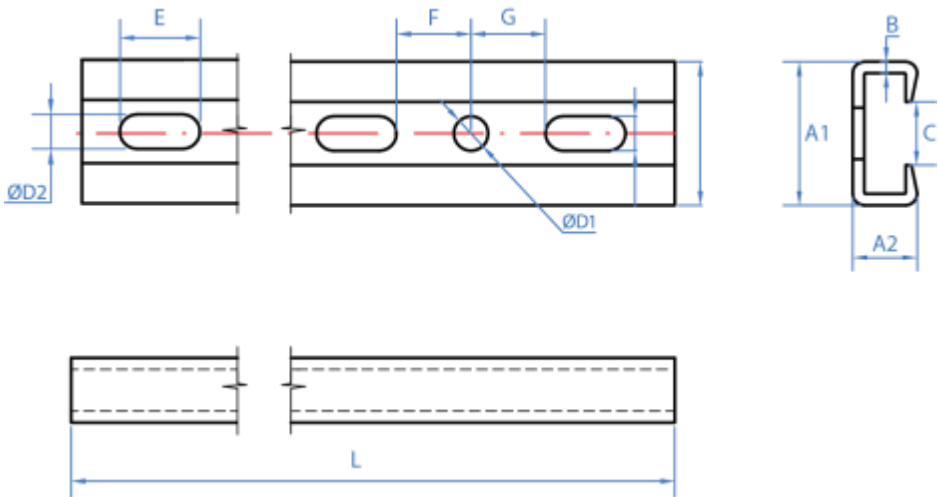


PVC

Installation data

| Code      | A1 | A2   | B   | C    | ØD1 | ØD2 | E  | F  | G  | L1   |
|-----------|----|------|-----|------|-----|-----|----|----|----|------|
| GPV251120 | 25 | 11,5 | 2,0 | 11,5 | 6,0 | 6,0 | 14 | 13 | 13 | 1000 |

Drawing



### 3.6 GP-O / GL-O

#### Zinc-plated omega slotted/plain channel



##### Material



Steel

##### Coating

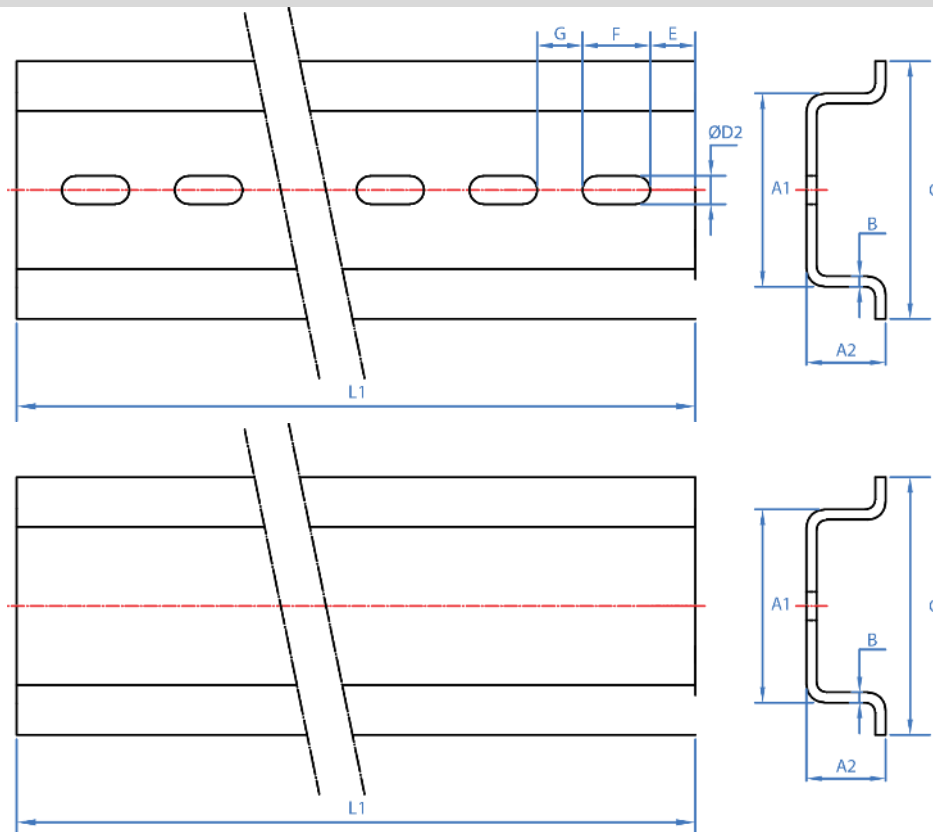


Atlantis C2-M  $\geq 7\mu\text{m}$  ( $\bar{x} = 10\mu\text{m}$ )

#### Installation data

| Code      | A1 | A2  | B   | C  | $\varnothing D2$ | E  | F  | G  | L1   |
|-----------|----|-----|-----|----|------------------|----|----|----|------|
| GPO357510 | 27 | 7,5 | 1,0 | 35 | 6,25             | 10 | 12 | 10 | 2000 |
| GPO351515 | 27 | 15  | 1,5 | 35 | 6,25             | 10 | 12 | 10 | 2000 |
| GLO357510 | 27 | 7,5 | 1,0 | 35 | --               | 10 | 12 | 10 | 2000 |
| GLO351515 | 27 | 15  | 1,5 | 35 | --               | 10 | 12 | 10 | 2000 |

#### Drawing



### 3.7 SP-Z

#### Perforated Cantilever



##### Material



Steel

##### Coating

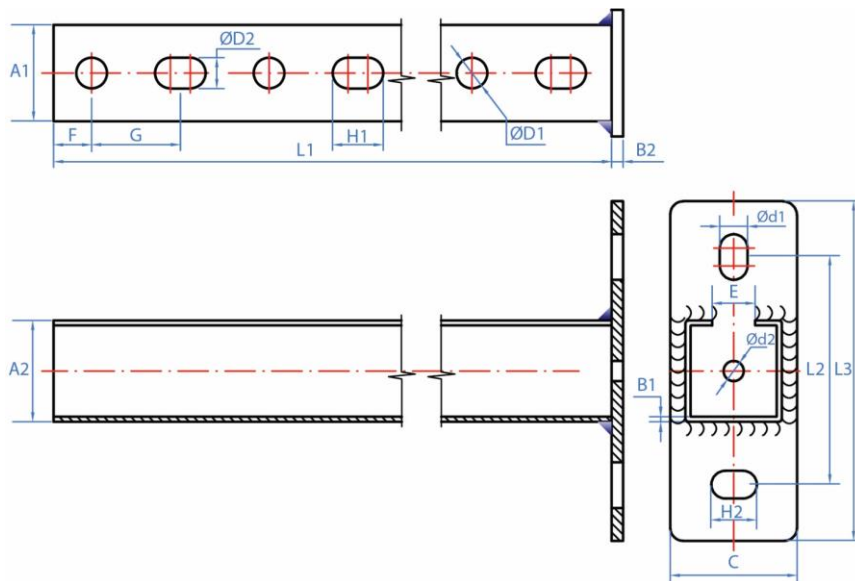


Zinc-plated  $\geq 5\mu\text{m}$

#### Installation data

| Code      | A1 | A2 | B1   | B2  | C  | $\varnothing D1$ | $\varnothing D2$ | $\varnothing d1$ | $\varnothing d2$ | E  | F  | G  | H1 | H2 | L1  | L2 | L3  |
|-----------|----|----|------|-----|----|------------------|------------------|------------------|------------------|----|----|----|----|----|-----|----|-----|
| SPZ271820 | 27 | 18 | 1,25 |     | 40 |                  | 8                |                  |                  | 15 | 10 |    |    |    | 200 | 80 | 120 |
| SPZ271830 |    |    |      |     |    |                  |                  |                  |                  |    |    |    |    |    | 300 |    |     |
| SPZ384020 | 38 | 40 | 2,00 | 4,5 | 45 | 12               | 12               | 11               | 8                | 17 | 10 | 35 | 20 | 18 | 200 | 90 | 132 |
| SPZ384025 |    |    |      |     |    |                  |                  |                  |                  |    | 20 |    |    |    | 250 |    |     |
| SPZ384030 |    |    |      |     |    |                  |                  |                  |                  |    | 20 |    |    |    | 300 |    |     |
| SPZ384035 |    |    |      |     |    |                  |                  |                  |                  |    | 15 |    |    |    | 350 |    |     |
| SPZ384040 |    |    |      |     |    |                  |                  |                  |                  |    | 25 |    |    |    | 400 |    |     |
| SPZ384050 |    |    |      |     |    |                  |                  |                  |                  |    | 20 |    |    |    | 500 |    |     |
| SPZ384060 |    |    |      |     |    |                  |                  |                  |                  |    | 15 |    |    |    | 600 |    |     |

#### Drawing

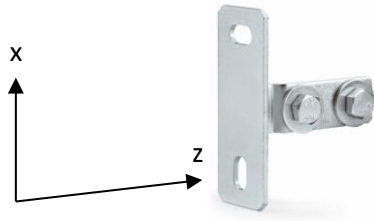


#### Resistances

See section 5. *LOAD AND DESIGN HIPOTESIS*

### 3.8 SP-V

#### Vertical support



##### Material



Steel

##### Coating



Zinc-plated  $\geq 5\mu\text{m}$

##### Valid for

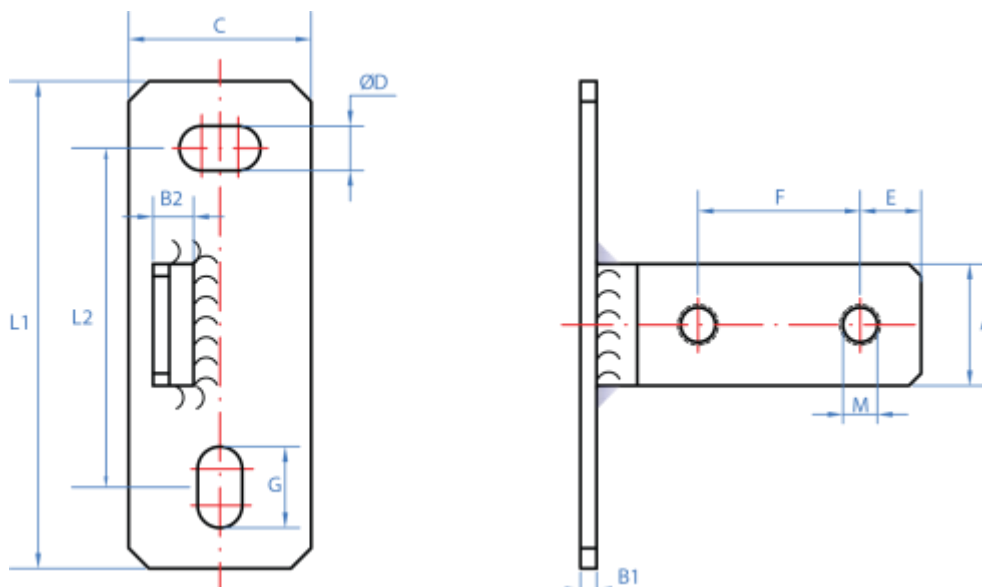


Slotted channel GP-G

#### Installation data

| Code    | A    | B1 | B2 | C    | $\varnothing D$ | E  | F  | G  | L1  | L2 | M  |
|---------|------|----|----|------|-----------------|----|----|----|-----|----|----|
| SPV2718 | 21,5 | 4  | 10 | 42,5 | 11              | 15 | 40 | 20 | 120 | 88 | 10 |
| SPV3840 | 30   |    |    |      |                 |    |    |    |     |    |    |

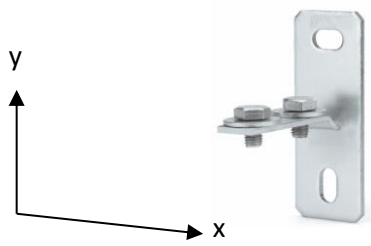
#### Drawing



| Code    | Maximum recommended load<br>axis X [kg] | Maximum recommended load<br>axis Z [kg] |
|---------|-----------------------------------------|-----------------------------------------|
| SPV2718 | 35                                      | 75                                      |
| SPV3840 | 60                                      | 85                                      |

### 3.9 SP-H

#### Horizontal support

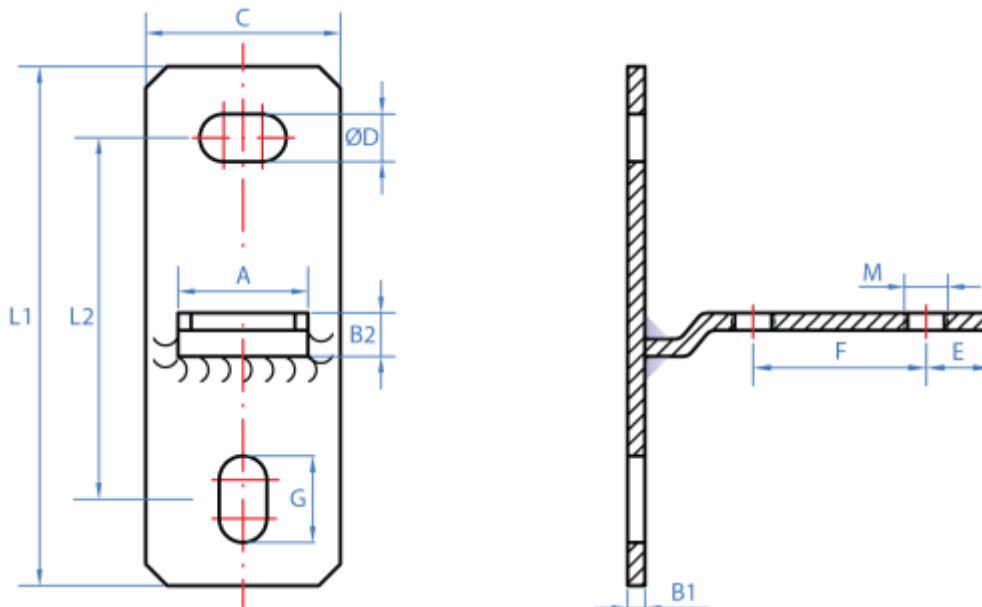


| Material | Coating                         | Valid for            |
|----------|---------------------------------|----------------------|
| <b>A</b> | <b>Z</b><br>ZINC                |                      |
| Steel    | Zinc-plated $\geq 5\mu\text{m}$ | Slotted channel GP-G |

#### Installation data

| Code    | A    | B1 | B2 | C    | $\varnothing D$ | E  | F  | G  | L1  | L2 | M  |
|---------|------|----|----|------|-----------------|----|----|----|-----|----|----|
| SPH2718 | 21,5 | 4  | 10 | 42,5 | 11              | 15 | 40 | 20 | 120 | 80 | 10 |
| SPH3840 | 30   |    |    |      |                 |    |    |    |     |    |    |

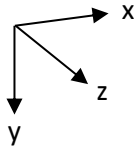
#### Drawing



| Code    | Maximum recommended load<br>axis X [kg] | Maximum recommended load<br>axis Y [kg] |
|---------|-----------------------------------------|-----------------------------------------|
| SPH2718 | 165                                     | 25                                      |
| SPH3840 | 165                                     | 40                                      |

### 3.10 SP-HX

#### Horizontal channel support



##### Material



Steel

##### Coating



Zinc-plated  $\geq 5\mu\text{m}$

##### Valid for

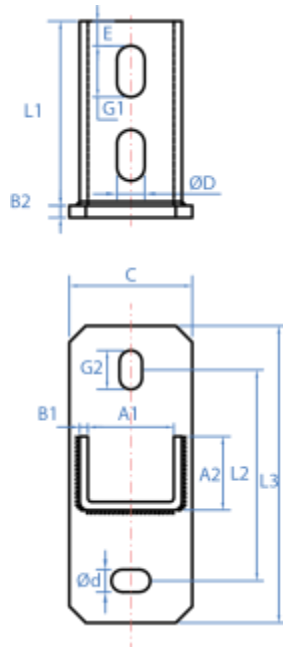


Slotted channel GP-G

#### Installation data

| Code     | A1 | A2 | B1 | B2 | C  | $\varnothing D$ | $\varnothing d$ | E  | G1 | G2 | L1 | L2  | L3  |
|----------|----|----|----|----|----|-----------------|-----------------|----|----|----|----|-----|-----|
| SPGH2718 | 31 | 20 | 3  | 4  | 40 | 11,0            | 11              | 11 | 19 | 19 | 70 | 78  | 120 |
| SPGH3840 | 42 | 35 | 4  | 6  | 60 | 13,5            | 11              | 12 | 25 | 16 | 90 | 103 | 145 |

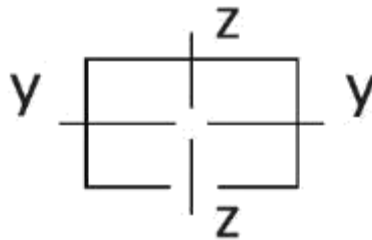
#### Drawing



| Code     | Maximum recommended load<br>axis X [kg] | Maximum recommended load<br>axis Y [kg] | Maximum recommended load<br>axis Z [kg] |
|----------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| SPGH2718 | 430                                     | 95                                      | 40                                      |
| SPGH3840 | 430                                     | 95                                      | 40                                      |

## 4. GEOMETRIC DATA

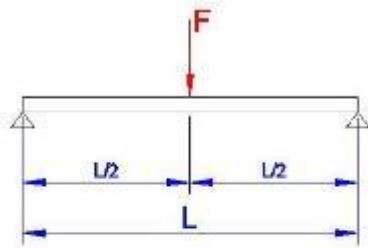
| REFERENCE | SECTION   | WEIGHT                   | AREA               | MOMENT OF INERTIA ( $I_y$ ) | MOMENT OF INERTIA ( $I_z$ ) | RESISTANT MODULE ( $W_y$ ) | RESISTANT MODULE ( $W_z$ ) |
|-----------|-----------|--------------------------|--------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|
|           | [mm x mm] | [Kg/m]                   | [cm <sup>2</sup> ] | [cm <sup>4</sup> ]          | [cm <sup>4</sup> ]          | [cm <sup>3</sup> ]         | [cm <sup>3</sup> ]         |
| GPZ201010 | 20 x 10   | 0.31                     | 0.44               | 0.06                        | 0.25                        | 0.10                       | 0.25                       |
| GPZ250808 | 25 x 8    | 0.26                     | 0.35               | 0.03                        | 0.30                        | 0.06                       | 0.24                       |
| GPG271812 | 27 x 18   | 0.66                     | 0.84               | 0.37                        | 0.97                        | 0.34                       | 0.71                       |
| GPG283018 | 28 x 30   | 1.25                     | 1.60               | 1.79                        | 2.10                        | 1.03                       | 1.50                       |
| GPG384020 | 38 x 40   | 2.00                     | 2.55               | 5.39                        | 6.18                        | 2.39                       | 3.25                       |
| GPG351312 | 35 x 13   | Performance not declared |                    |                             |                             |                            |                            |
| GPG402015 | 40 x 20   | 0.94                     | 1.30               | 0.71                        | 3.10                        | 0.57                       | 1.55                       |
| GPP271812 | 27 x 18   | 0.66                     | 0.84               | 0.37                        | 0.97                        | 0.34                       | 0.71                       |
| GPI271812 | 27 x 18   | 0.66                     | 0.79               | 0.36                        | 0.90                        | 0.33                       | 0.67                       |
| GPI283015 | 28 x 30   | 1.25                     | 1.37               | 1.54                        | 1.82                        | 0.89                       | 1.30                       |
| GPI384020 | 37 x 40   | 2.00                     | 2.55               | 5.39                        | 6.18                        | 2.39                       | 3.25                       |
| SPZ271820 | 27 x 18   | 1,20                     | 0.84               | 0.37                        | 0.97                        | 0.34                       | 0.71                       |
| SPZ271830 | 27 x 18   | 1,20                     | 0.84               | 0.37                        | 0.97                        | 0.34                       | 0.71                       |
| SPZ384020 | 38 x 40   | 2,4                      | 2.55               | 5.39                        | 6.18                        | 2.39                       | 3.25                       |
| SPZ384025 | 38 x 40   | 2,4                      | 2.55               | 5.39                        | 6.18                        | 2.39                       | 3.25                       |
| SPZ384030 | 38 x 40   | 2,4                      | 2.55               | 5.39                        | 6.18                        | 2.39                       | 3.25                       |
| SPZ384035 | 38 x 40   | 2,4                      | 2.55               | 5.39                        | 6.18                        | 2.39                       | 3.25                       |
| SPZ384040 | 38 x 40   | 2,4                      | 2.55               | 5.39                        | 6.18                        | 2.39                       | 3.25                       |
| SPZ384050 | 38 x 40   | 2,4                      | 2.55               | 5.39                        | 6.18                        | 2.39                       | 3.25                       |
| SPZ384060 | 38 x 40   | 2,4                      | 2.55               | 5.39                        | 6.18                        | 2.39                       | 3.25                       |



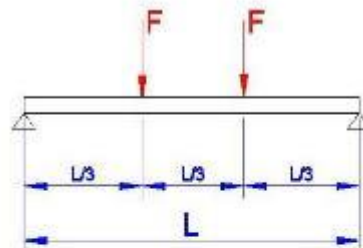
## 5. LOAD AND DESIGN HIPOTESIS

### LOAD AND DESIGN HIPOTESIS FOR SLOTTED CHANNELS GP-Z

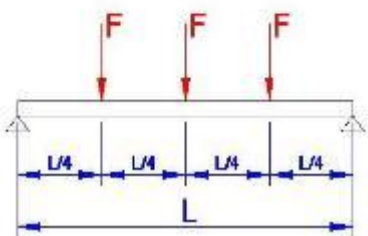
Case 1: One load point in the center



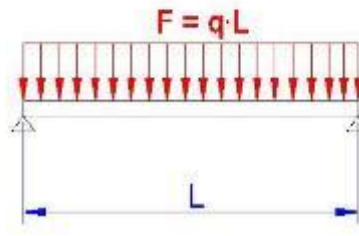
Case 2: Two load points on L/3



Case 3: Three load points on L/4

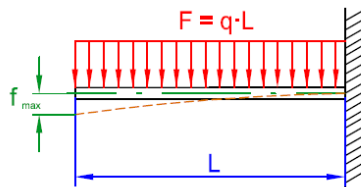


Case 4: Uniforme load

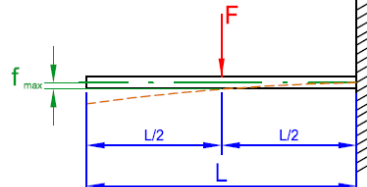


### LOAD AND DESIGN HIPOTESIS FOR CANTILEVERS SP-Z

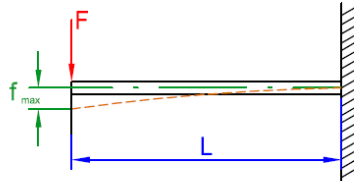
Case 1: Uniforme load



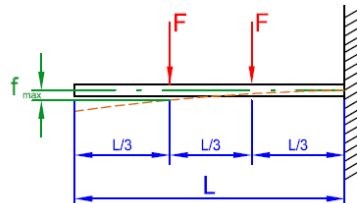
Case 2: One load point in the middle



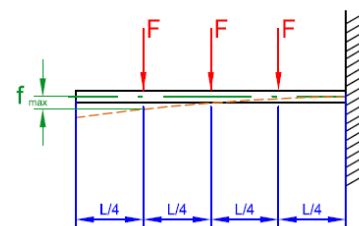
Case 3: One load point in the center



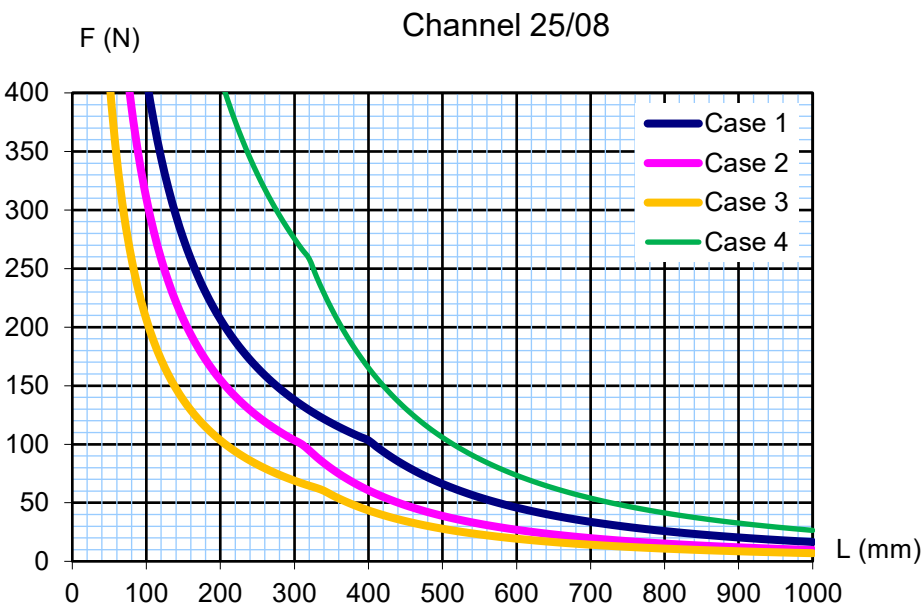
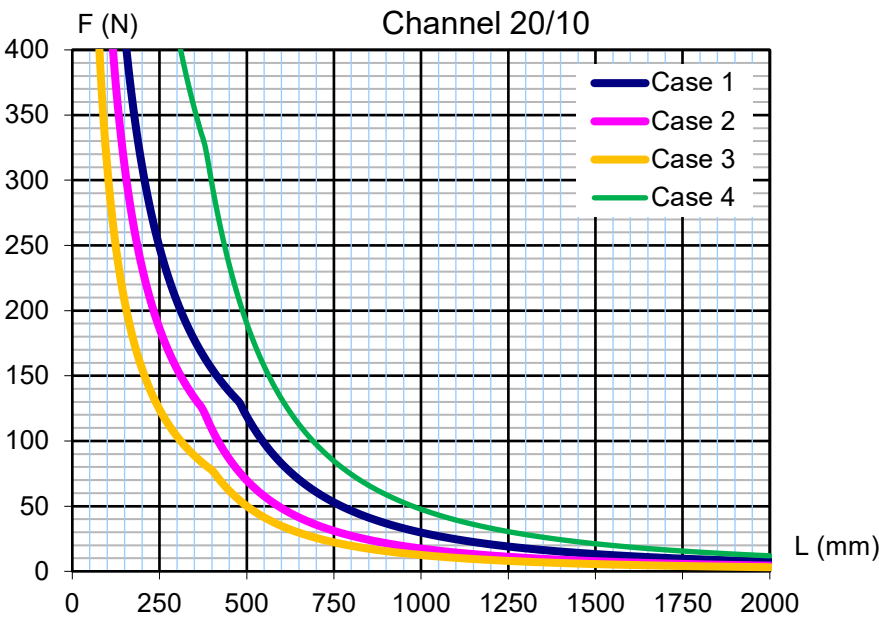
Case 4: Two load points on L/3



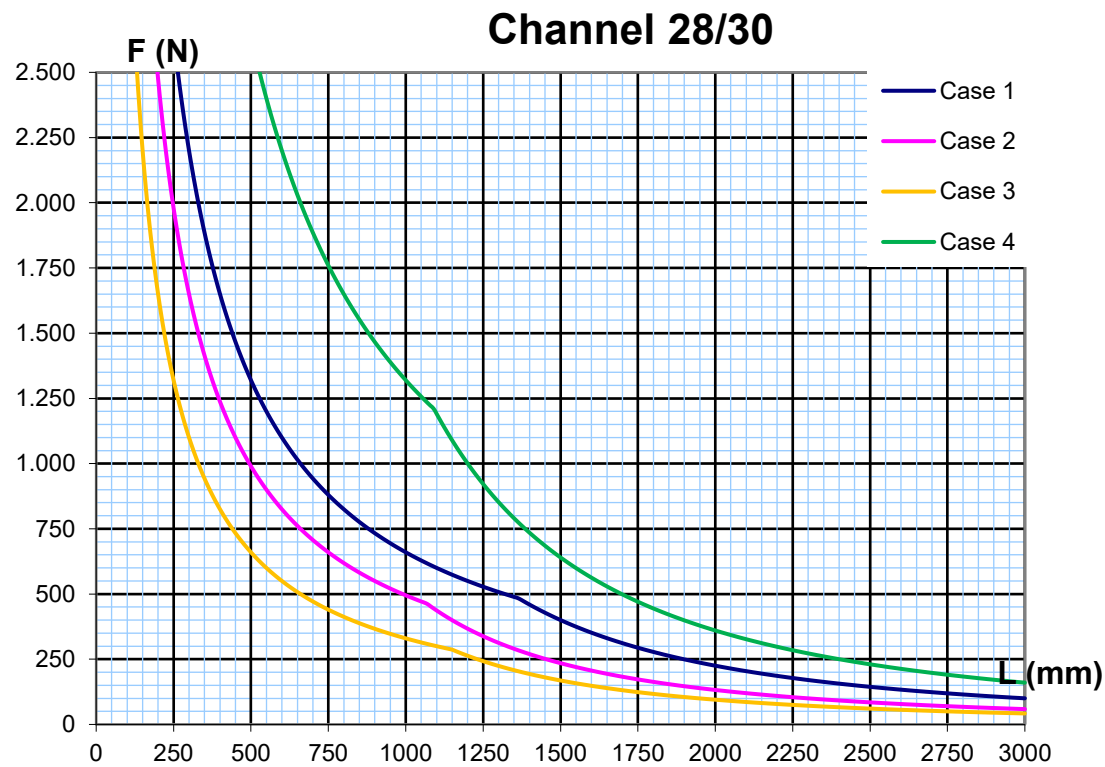
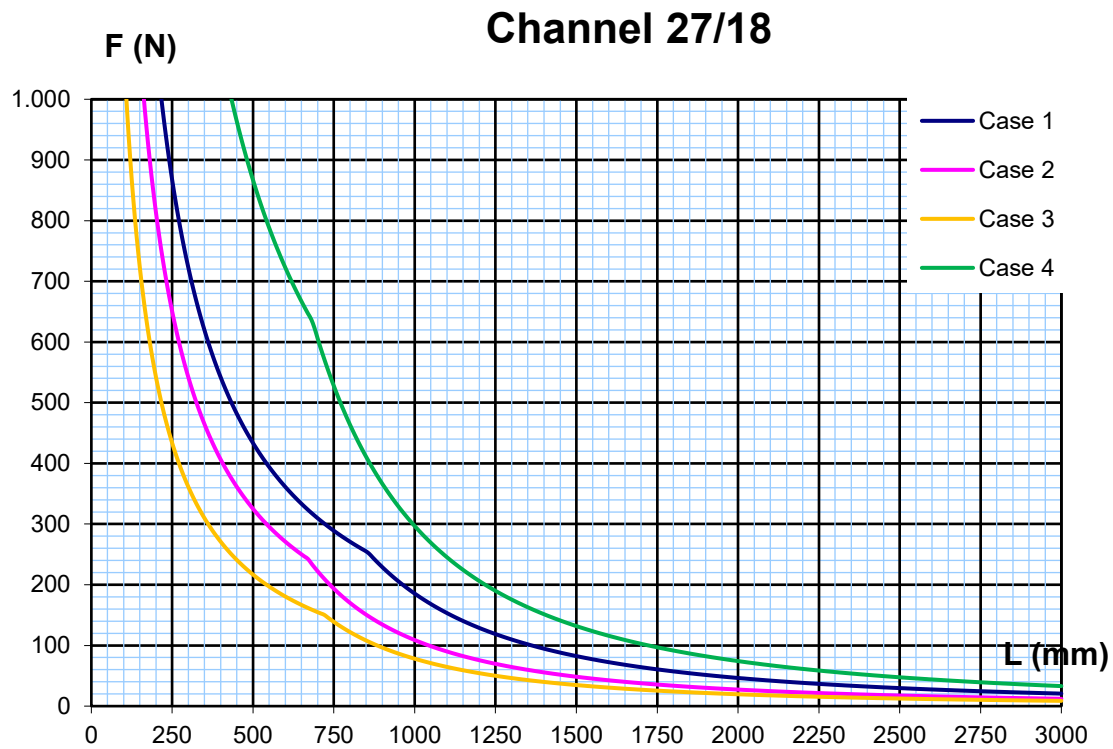
Case 5: Three load points on L/4

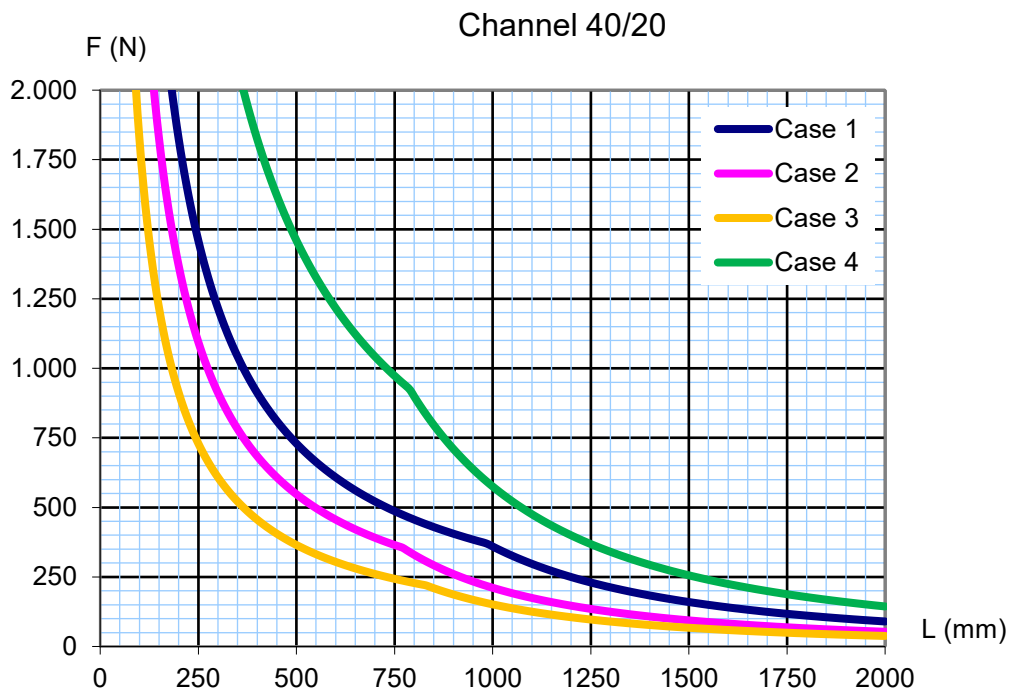
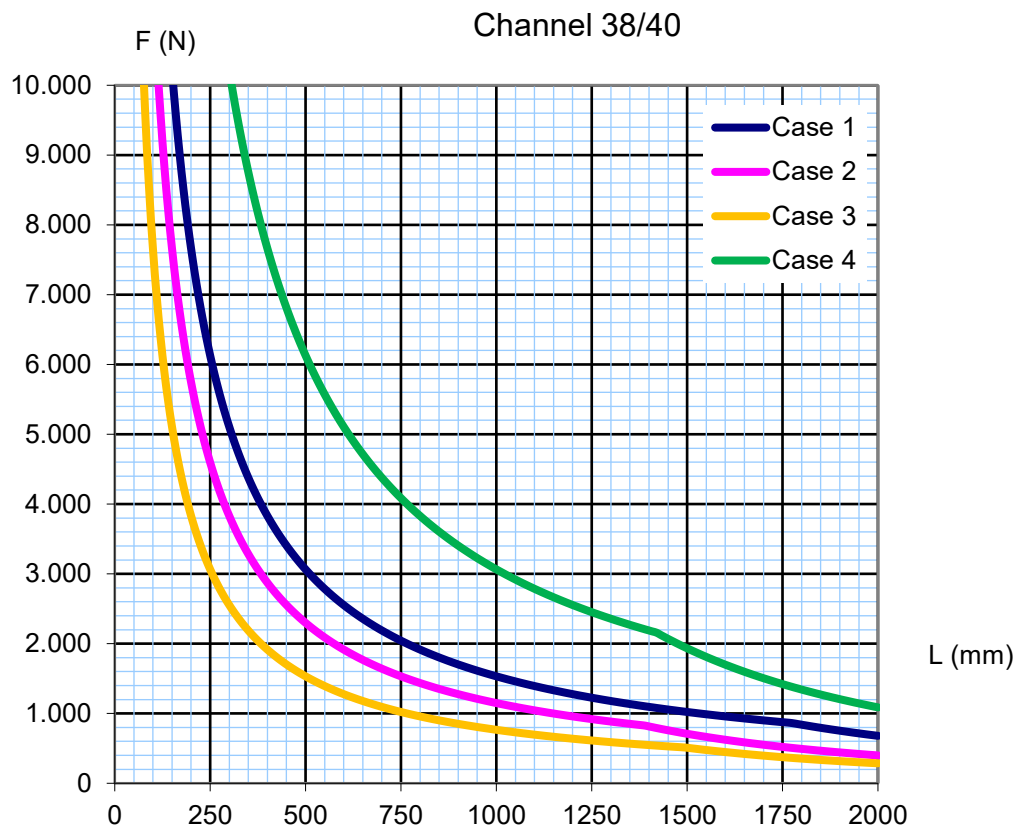


MAXIMUM RECOMMENDED LOADS FOR SLOTTED CHANNELS GP-Z

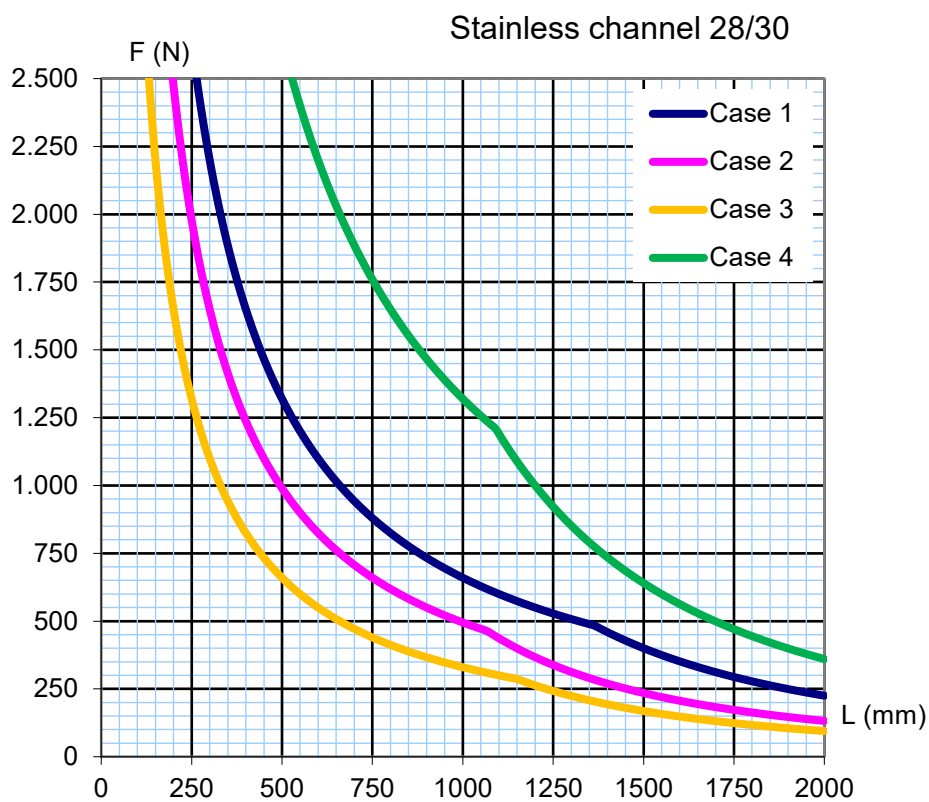
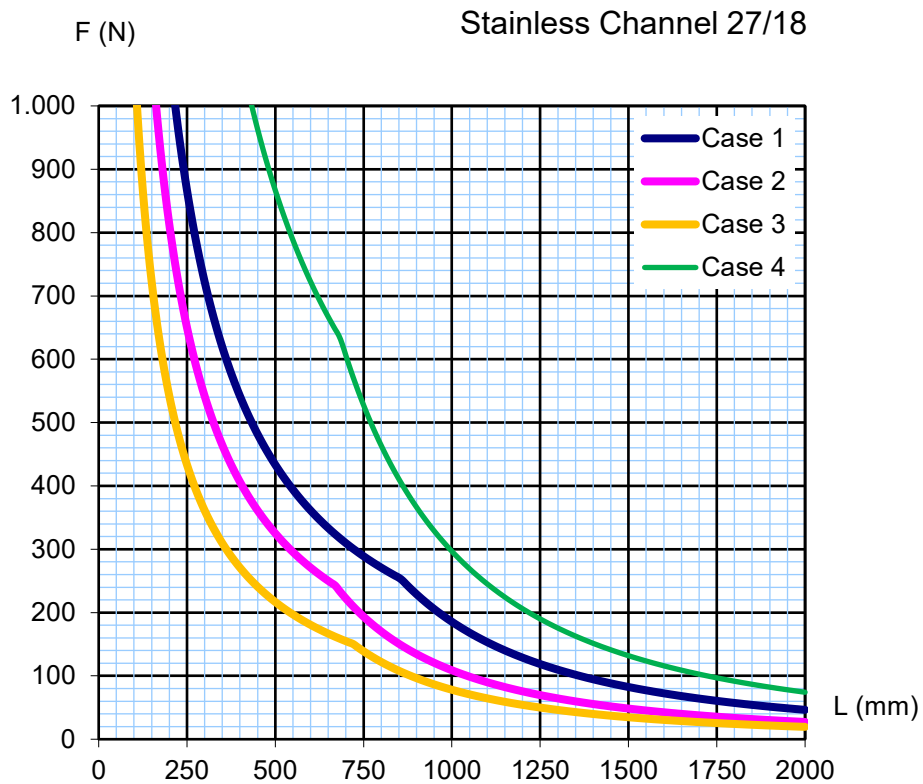


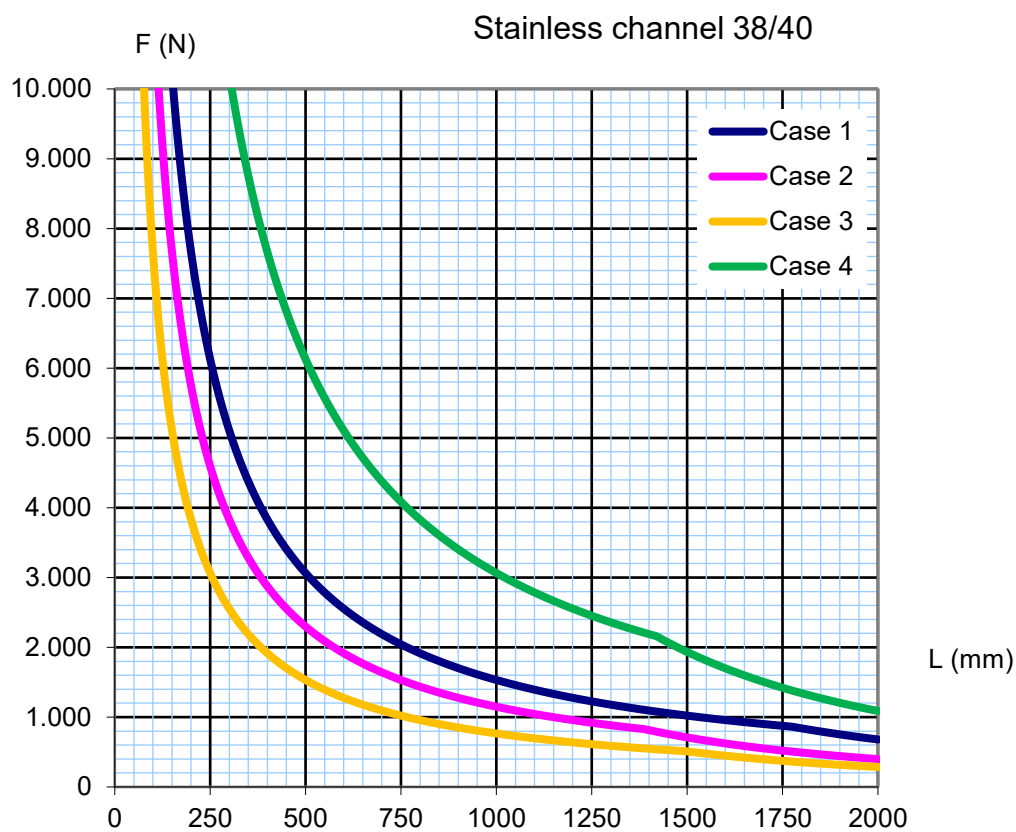
MAXIMUM RECOMMENDED LOADS FOR SLOTTED CHANNELS GP-G



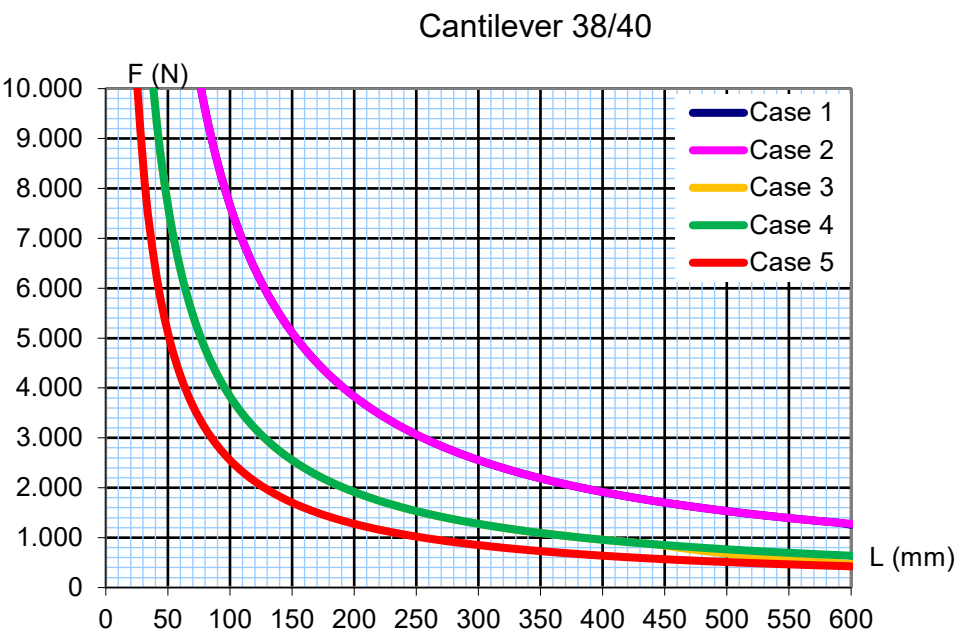
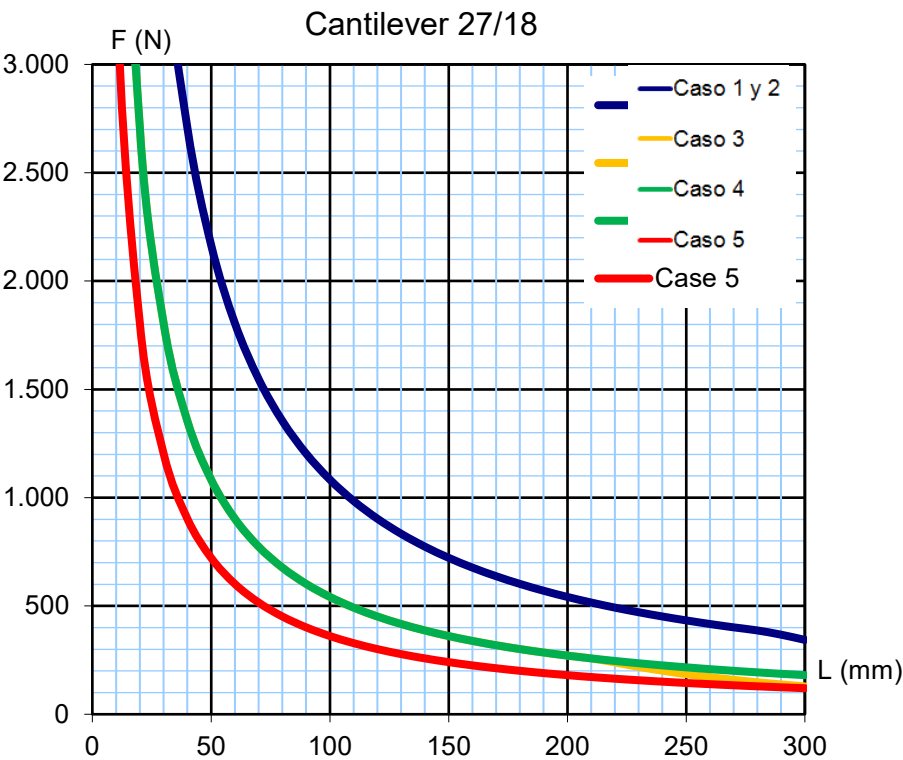


MAXIMUM RECOMMENDED LOADS FOR SLOTTED CHANNELS GP-A2





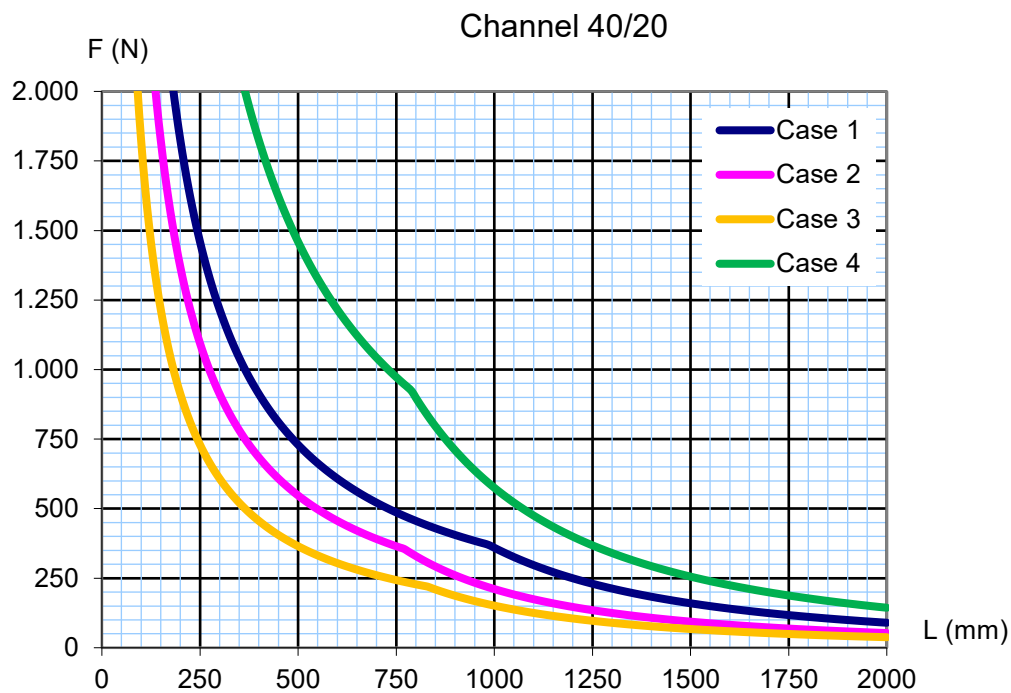
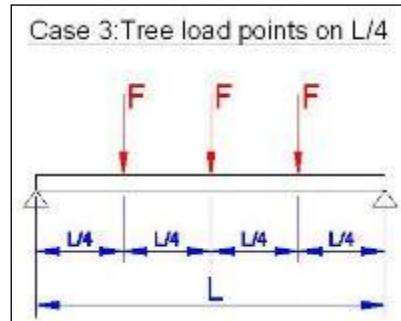
MAXIMUM RECOMMENDED LOADS FOR CANTILEVERS SP-Z



## SLOTTED CHANNEL DESIGN EXAMPLE

### Slotted channel design example:

Channel GPG402015: Channel length 800 mm with three clamps equally spaced at 200 mm (case 3)

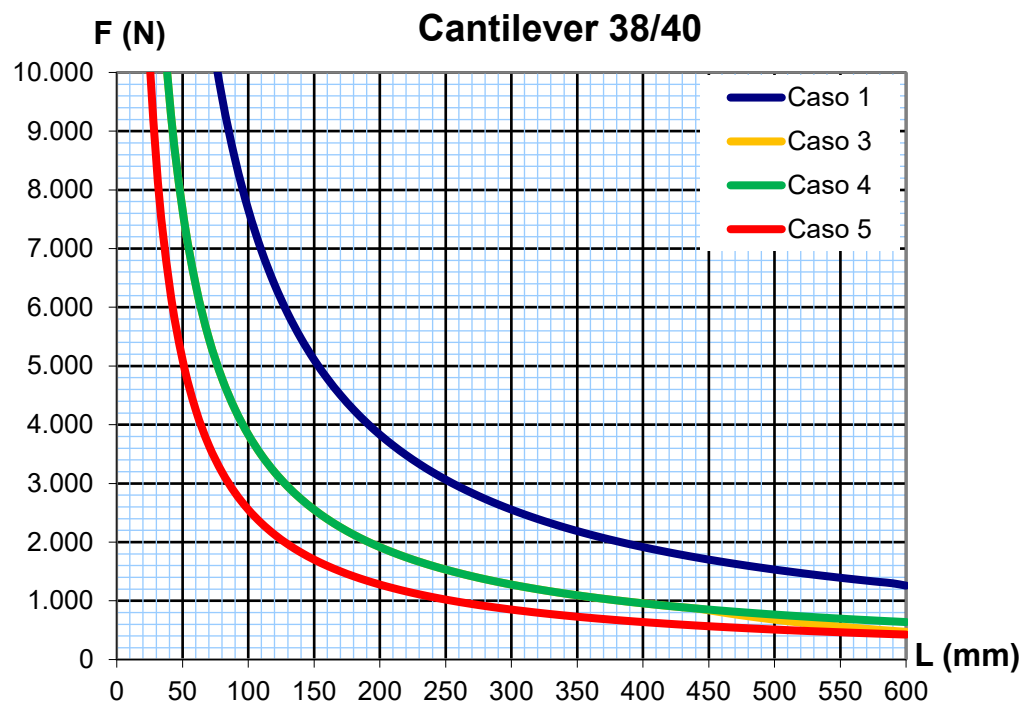
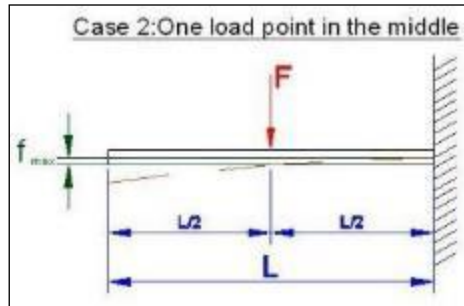


Result is an admissible load per clamp of 250 N ( $\approx 25$  Kg).

CANTILEVER DESIGN EXAMPLE

**Cantilever design example:**

Cantilever SPZ384020: One pipe situated 150 mm from the wall (case 2).



Result is an admissible load of 5.000 N ( $\approx 500$  Kg).

These admissible loads are only applicable if the cantilever is fixed with anchors complying with their guidelines of use and their corresponding applications.

Loads transmitted to the base material must be checked separately (steel and concrete)