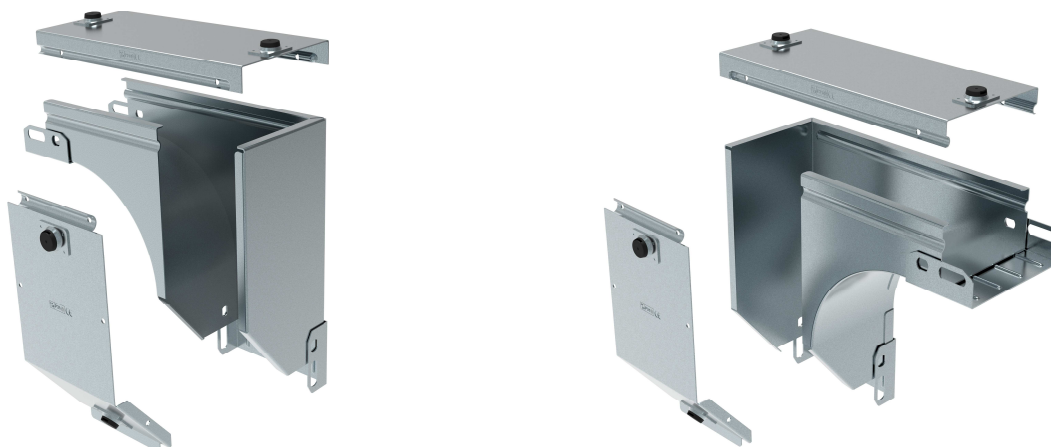


## P31-LEFT/RIGHT HAND OUTSIDE RISER H50 + COVER

Reference(s): 31AZB050..(Z,G,C) 31AYB050..(Z,C,G)  
340706-4806../85/86/87/88/89/90/91  
342706-4826../85/86/87/88/89/90/91  
344706-4846../85/86/87/88/89/90/91  
340684-4807../07/08/09/10/11/12/13  
342684-4827../07/08/09/10/11/12/13  
344684-4847../07/08/09/10/11/12/13



### 1. USE

Left and right hand outside riser with plane variation in H50 with cover.

### 2. RANGE

#### ■ 2.1 Left hand outside riser H50 + cover PG

| Description                           | Code      | Code Export | Width |        | Weight |       | Thickness |        | Coating | Section |         |
|---------------------------------------|-----------|-------------|-------|--------|--------|-------|-----------|--------|---------|---------|---------|
|                                       |           |             | (mm)  | (inch) | (Kg)   | (lb)  | (mm)      | (inch) |         | (mm²)   | (inch²) |
| P31-LEFT HAND OUTSIDE RISER 50X50 PG  | 31AYB050Z | 340684      | 50    | 1,97   | 0,29   | 0,64  | 1         | 0,04   | PG      | 2304    | 3,57    |
| P31-LEFT HAND OUTSIDE RISER 50X100 PG | 480685    | --          | 100   | 3,94   | 1,18   | 2,60  | 1         | 0,04   | PG      | 4606    | 7,14    |
| P31-LEFT HAND OUTSIDE RISER 50X150 PG | 480686    | --          | 150   | 5,91   | 1,78   | 3,92  | 1         | 0,04   | PG      | 6956    | 10,78   |
| P31-LEFT HAND OUTSIDE RISER 50X200 PG | 480687    | --          | 200   | 7,87   | 2,31   | 5,10  | 1         | 0,04   | PG      | 9306    | 14,42   |
| P31-LEFT HAND OUTSIDE RISER 50X300 PG | 480688    | --          | 300   | 11,81  | 3,97   | 8,75  | 1         | 0,04   | PG      | 14006   | 21,71   |
| P31-LEFT HAND OUTSIDE RISER 50X400 PG | 480689    | --          | 400   | 15,75  | 5,85   | 12,89 | 1         | 0,04   | PG      | 18706   | 28,99   |
| P31-LEFT HAND OUTSIDE RISER 50X500 PG | 480690    | --          | 500   | 19,69  | 7,87   | 17,36 | 1         | 0,04   | PG      | 23406   | 36,28   |
| P31-LEFT HAND OUTSIDE RISER 50X600 PG | 480691    | --          | 600   | 23,62  | 9,81   | 21,63 | 1         | 0,04   | PG      | 28106   | 43,56   |

#### ■ 2.2 Left hand outside riser H50 + cover HDG

| Description                            | Code      | Code Export | Width |        | Weight |       | Thickness |        | Coating | Section |         |
|----------------------------------------|-----------|-------------|-------|--------|--------|-------|-----------|--------|---------|---------|---------|
|                                        |           |             | (mm)  | (inch) | (Kg)   | (lb)  | (mm)      | (inch) |         | (mm²)   | (inch²) |
| P31-LEFT HAND OUTSIDE RISER 50X50 HDG  | 31AYB050C | 342684      | 50    | 1,97   | 0,32   | 0,70  | 1         | 0,04   | HDG     | 2304    | 3,57    |
| P31-LEFT HAND OUTSIDE RISER 50X100 HDG | 482685    | --          | 100   | 3,94   | 1,30   | 2,86  | 1         | 0,04   | HDG     | 4606    | 7,14    |
| P31-LEFT HAND OUTSIDE RISER 50X150 HDG | 482686    | --          | 150   | 5,91   | 1,95   | 4,31  | 1         | 0,04   | HDG     | 6956    | 10,78   |
| P31-LEFT HAND OUTSIDE RISER 50X200 HDG | 482687    | --          | 200   | 7,87   | 2,55   | 5,61  | 1         | 0,04   | HDG     | 9306    | 14,42   |
| P31-LEFT HAND OUTSIDE RISER 50X300 HDG | 482688    | --          | 300   | 11,81  | 4,37   | 9,63  | 1         | 0,04   | HDG     | 14006   | 21,71   |
| P31-LEFT HAND OUTSIDE RISER 50X400 HDG | 482689    | --          | 400   | 15,75  | 6,43   | 14,18 | 1         | 0,04   | HDG     | 18706   | 28,99   |
| P31-LEFT HAND OUTSIDE RISER 50X500 HDG | 482690    | --          | 500   | 19,69  | 8,66   | 19,10 | 1         | 0,04   | HDG     | 23406   | 36,28   |
| P31-LEFT HAND OUTSIDE RISER 50X600 HDG | 482691    | --          | 600   | 23,62  | 10,79  | 23,79 | 1         | 0,04   | HDG     | 28106   | 43,56   |

#### ■ 2.3 Left hand outside riser H50 + cover BLUE

| Description                             | Code      | Code Export | Width |        | Weight |       | Thickness |        | Coating | Section |         |
|-----------------------------------------|-----------|-------------|-------|--------|--------|-------|-----------|--------|---------|---------|---------|
|                                         |           |             | (mm)  | (inch) | (Kg)   | (lb)  | (mm)      | (inch) |         | (mm²)   | (inch²) |
| P31-LEFT HAND OUTSIDE RISER 50X50 BLUE  | 31AYB050G | 344684      | 50    | 1,97   | 0,29   | 0,64  | 1         | 0,04   | BLUE    | 2304    | 3,57    |
| P31-LEFT HAND OUTSIDE RISER 50X100 BLUE | 484685    | --          | 100   | 3,94   | 1,18   | 2,60  | 1         | 0,04   | BLUE    | 4606    | 7,14    |
| P31-LEFT HAND OUTSIDE RISER 50X150 BLUE | 484686    | --          | 150   | 5,91   | 1,78   | 3,92  | 1         | 0,04   | BLUE    | 6956    | 10,78   |
| P31-LEFT HAND OUTSIDE RISER 50X200 BLUE | 484687    | --          | 200   | 7,87   | 2,31   | 5,10  | 1         | 0,04   | BLUE    | 9306    | 14,42   |
| P31-LEFT HAND OUTSIDE RISER 50X300 BLUE | 484688    | --          | 300   | 11,81  | 3,97   | 8,75  | 1         | 0,04   | BLUE    | 14006   | 21,71   |
| P31-LEFT HAND OUTSIDE RISER 50X400 BLUE | 484689    | --          | 400   | 15,75  | 5,85   | 12,89 | 1         | 0,04   | BLUE    | 18706   | 28,99   |
| P31-LEFT HAND OUTSIDE RISER 50X500 BLUE | 484690    | --          | 500   | 19,69  | 7,87   | 17,36 | 1         | 0,04   | BLUE    | 23406   | 36,28   |
| P31-LEFT HAND OUTSIDE RISER 50X600 BLUE | 484691    | --          | 600   | 23,62  | 9,81   | 21,63 | 1         | 0,04   | BLUE    | 28106   | 43,56   |

# P31-LEFT/RIGHT HAND OUTSIDE RISER H50 + COVER

Reference(s): 31AZB050..(Z,G,C) 31AYB050..(Z,C,G)  
4806../85/86/87/88/89/90/91-4826../85/86/87/88/89/90/91  
4846../85/86/87/88/89/90/91-4807../07/08/09/10/11/12/13  
4827../07/08/09/10/11/12/13-4847../07/08/09/10/11/12/13  
340706-342706-344706-340684-342684-344684

## ■ 2.4 Right hand outside riser H50 + cover PG

| Description                            | Code      | Code Export | Width |        | Weight |       | Thickness |        | Coating | Section |         |
|----------------------------------------|-----------|-------------|-------|--------|--------|-------|-----------|--------|---------|---------|---------|
|                                        |           |             | (mm)  | (inch) | (Kg)   | (lb)  | (mm)      | (inch) |         | (mm²)   | (inch²) |
| P31-RIGHT HAND OUTSIDE RISER 50X50 PG  | 31AZB050Z | 340706      | 50    | 1,97   | 0,29   | 0,64  | 1         | 0,04   | PG      | 2304    | 3,57    |
| P31-RIGHT HAND OUTSIDE RISER 50X100 PG | 480707    | --          | 100   | 3,94   | 1,18   | 2,60  | 1         | 0,04   | PG      | 4606    | 7,14    |
| P31-RIGHT HAND OUTSIDE RISER 50X150 PG | 480708    | --          | 150   | 5,91   | 1,78   | 3,92  | 1         | 0,04   | PG      | 6956    | 10,78   |
| P31-RIGHT HAND OUTSIDE RISER 50X200 PG | 480709    | --          | 200   | 7,87   | 2,31   | 5,10  | 1         | 0,04   | PG      | 9306    | 14,42   |
| P31-RIGHT HAND OUTSIDE RISER 50X300 PG | 480710    | --          | 300   | 11,81  | 3,97   | 8,75  | 1         | 0,04   | PG      | 14006   | 21,71   |
| P31-RIGHT HAND OUTSIDE RISER 50X400 PG | 480711    | --          | 400   | 15,75  | 5,85   | 12,89 | 1         | 0,04   | PG      | 18706   | 28,99   |
| P31-RIGHT HAND OUTSIDE RISER 50X500 PG | 480712    | --          | 500   | 19,69  | 7,87   | 17,36 | 1         | 0,04   | PG      | 23406   | 36,28   |
| P31-RIGHT HAND OUTSIDE RISER 50X600 PG | 480713    | --          | 600   | 23,62  | 9,81   | 21,63 | 1         | 0,04   | PG      | 28106   | 43,56   |

## ■ 2.5 Right hand outside riser H50 + cover HDG

| Description                             | Code      | Code Export | Width |        | Weight |       | Thickness |        | Coating | Section |         |
|-----------------------------------------|-----------|-------------|-------|--------|--------|-------|-----------|--------|---------|---------|---------|
|                                         |           |             | (mm)  | (inch) | (Kg)   | (lb)  | (mm)      | (inch) |         | (mm²)   | (inch²) |
| P31-RIGHT HAND OUTSIDE RISER 50X50 HDG  | 31AZB050C | 342706      | 50    | 1,97   | 0,32   | 0,70  | 1         | 0,04   | HDG     | 2304    | 3,57    |
| P31-RIGHT HAND OUTSIDE RISER 50X100 HDG | 482707    | --          | 100   | 3,94   | 1,30   | 2,86  | 1         | 0,04   | HDG     | 4606    | 7,14    |
| P31-RIGHT HAND OUTSIDE RISER 50X150 HDG | 482708    | --          | 150   | 5,91   | 1,95   | 4,31  | 1         | 0,04   | HDG     | 6956    | 10,78   |
| P31-RIGHT HAND OUTSIDE RISER 50X200 HDG | 482709    | --          | 200   | 7,87   | 2,55   | 5,61  | 1         | 0,04   | HDG     | 9306    | 14,42   |
| P31-RIGHT HAND OUTSIDE RISER 50X300 HDG | 482710    | --          | 300   | 11,81  | 4,37   | 9,63  | 1         | 0,04   | HDG     | 14006   | 21,71   |
| P31-RIGHT HAND OUTSIDE RISER 50X400 HDG | 482711    | --          | 400   | 15,75  | 6,43   | 14,18 | 1         | 0,04   | HDG     | 18706   | 28,99   |
| P31-RIGHT HAND OUTSIDE RISER 50X500 HDG | 482712    | --          | 500   | 19,69  | 8,66   | 19,10 | 1         | 0,04   | HDG     | 23406   | 36,28   |
| P31-RIGHT HAND OUTSIDE RISER 50X600 HDG | 482713    | --          | 600   | 23,62  | 10,79  | 23,79 | 1         | 0,04   | HDG     | 28106   | 43,56   |

## ■ 2.6 Right hand outside riser H50 + cover BLUE

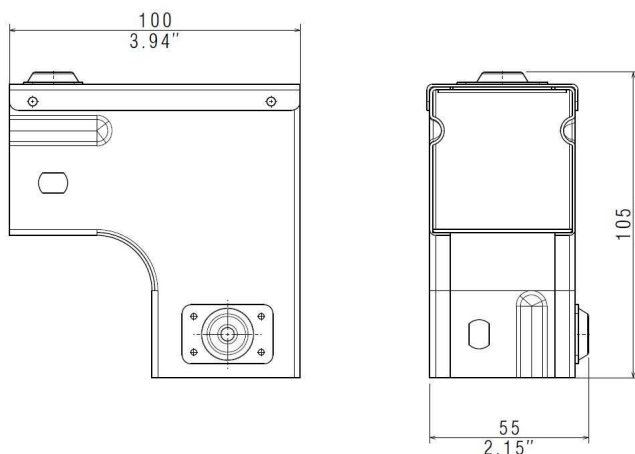
| Description                              | Code      | Code Export | Width |        | Weight |       | Thickness |        | Coating | Section |         |
|------------------------------------------|-----------|-------------|-------|--------|--------|-------|-----------|--------|---------|---------|---------|
|                                          |           |             | (mm)  | (inch) | (Kg)   | (lb)  | (mm)      | (inch) |         | (mm²)   | (inch²) |
| P31-RIGHT HAND OUTSIDE RISER 50X50 BLUE  | 31AZB050G | 344706      | 50    | 1,97   | 0,29   | 0,64  | 1         | 0,04   | PG      | 2304    | 3,57    |
| P31-RIGHT HAND OUTSIDE RISER 50X100 BLUE | 484707    | --          | 100   | 3,94   | 1,18   | 2,60  | 1         | 0,04   | BLUE    | 4606    | 7,14    |
| P31-RIGHT HAND OUTSIDE RISER 50X150 BLUE | 484708    | --          | 150   | 5,91   | 1,78   | 3,92  | 1         | 0,04   | BLUE    | 6956    | 10,78   |
| P31-RIGHT HAND OUTSIDE RISER 50X200 BLUE | 484709    | --          | 200   | 7,87   | 2,31   | 5,10  | 1         | 0,04   | BLUE    | 9306    | 14,42   |
| P31-RIGHT HAND OUTSIDE RISER 50X300 BLUE | 484710    | --          | 300   | 11,81  | 3,97   | 8,75  | 1         | 0,04   | BLUE    | 14006   | 21,71   |
| P31-RIGHT HAND OUTSIDE RISER 50X400 BLUE | 484711    | --          | 400   | 15,75  | 5,85   | 12,89 | 1         | 0,04   | BLUE    | 18706   | 28,99   |
| P31-RIGHT HAND OUTSIDE RISER 50X500 BLUE | 484712    | --          | 500   | 19,69  | 7,87   | 17,36 | 1         | 0,04   | BLUE    | 23406   | 36,28   |
| P31-RIGHT HAND OUTSIDE RISER 50X600 BLUE | 484713    | --          | 600   | 23,62  | 9,81   | 21,63 | 1         | 0,04   | BLUE    | 28106   | 43,56   |

# P31-LEFT/RIGHT HAND OUTSIDE RISER H50 + COVER

Reference(s): 31AZB050..(Z,G,C) 31AYB050..(Z,C,G)  
4806../85/86/87/88/89/90/91-4826../85/86/87/88/89/90/91  
4846../85/86/87/88/89/90/91-4807../07/08/09/10/11/12/13  
4827../07/08/09/10/11/12/13-4847../07/08/09/10/11/12/13  
340706-342706-344706-340684-342684-344684

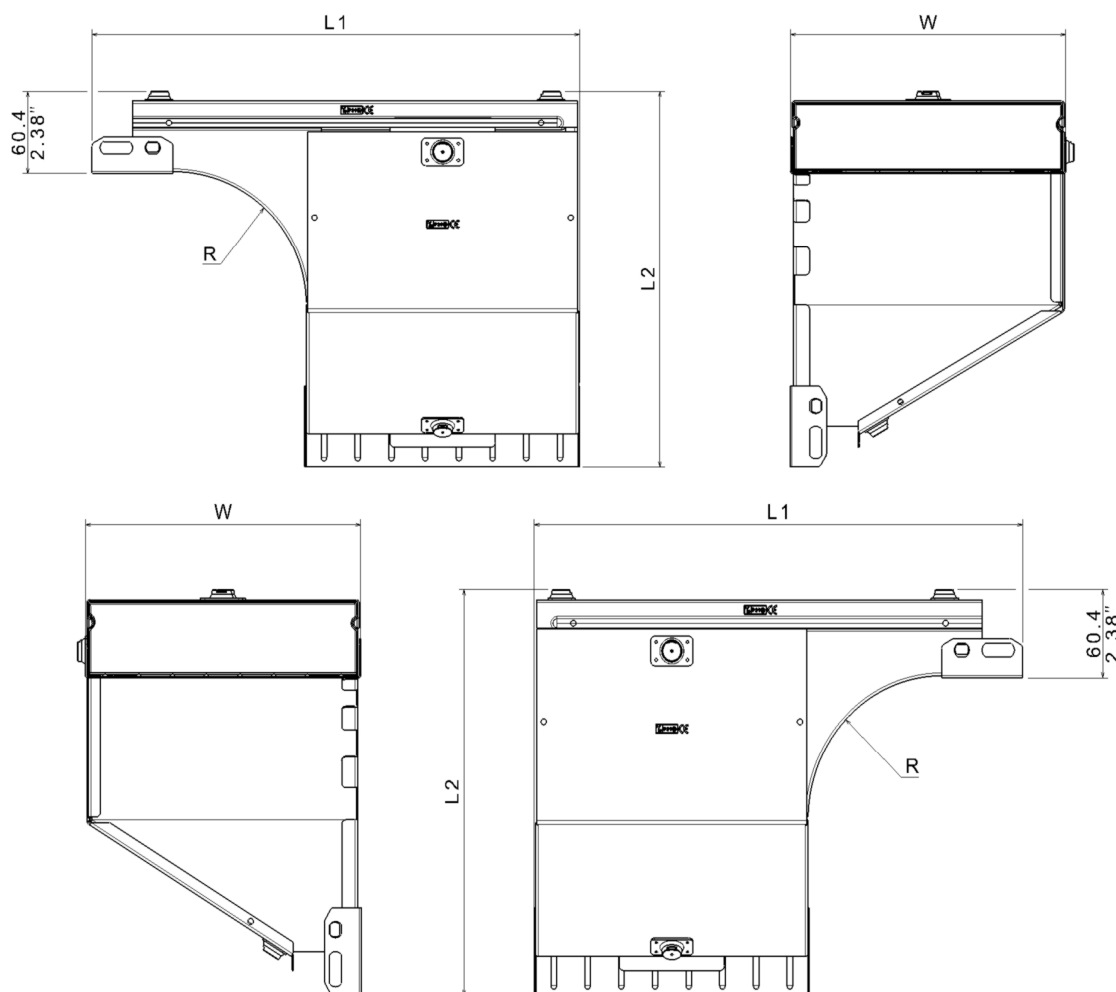
## 3. DIMENSIONS

### ■ 3.1 Upright falling tee plane variation W50



### ■ 3.2 Upright falling tee plane variation from W100 to W600

| Description                              | Width |        | Radius |        | L1   |        | L2   |        |
|------------------------------------------|-------|--------|--------|--------|------|--------|------|--------|
|                                          | (mm)  | (inch) | (mm)   | (inch) | (mm) | (inch) | (mm) | (inch) |
| P31-LEFT/RIGHT HAND OUTSIDE RISER 50X100 | 104   | 4,09   | 99     | 3,90   | 262  | 10,30  | 248  | 9,76   |
| P31-LEFT/RIGHT HAND OUTSIDE RISER 50X150 | 154   | 6,06   | 99     | 3,90   | 312  | 12,28  | 278  | 10,94  |
| P31-LEFT/RIGHT HAND OUTSIDE RISER 50X200 | 204   | 8,03   | 99     | 3,90   | 362  | 14,25  | 278  | 10,94  |
| P31-LEFT/RIGHT HAND OUTSIDE RISER 50X300 | 304   | 11,97  | 99     | 3,90   | 462  | 18,19  | 338  | 13,31  |
| P31-LEFT/RIGHT HAND OUTSIDE RISER 50X400 | 404   | 15,91  | 149    | 5,87   | 632  | 24,88  | 388  | 15,28  |
| P31-LEFT/RIGHT HAND OUTSIDE RISER 50X500 | 504   | 19,84  | 149    | 5,87   | 732  | 28,82  | 438  | 17,24  |
| P31-LEFT/RIGHT HAND OUTSIDE RISER 50X600 | 604   | 23,78  | 149    | 5,87   | 832  | 32,76  | 488  | 19,21  |



## 4. INSTALLATION

### ■ 4.1 Screw and tools

Use screws M6x12 tightened at 11Nm

Reference(s): 341895 / 03V1M610Z (PG)

485035 (Zn-Ni)

346895/ 03V1M610L (SS316L)

341708 / 31X99X999 (PG)

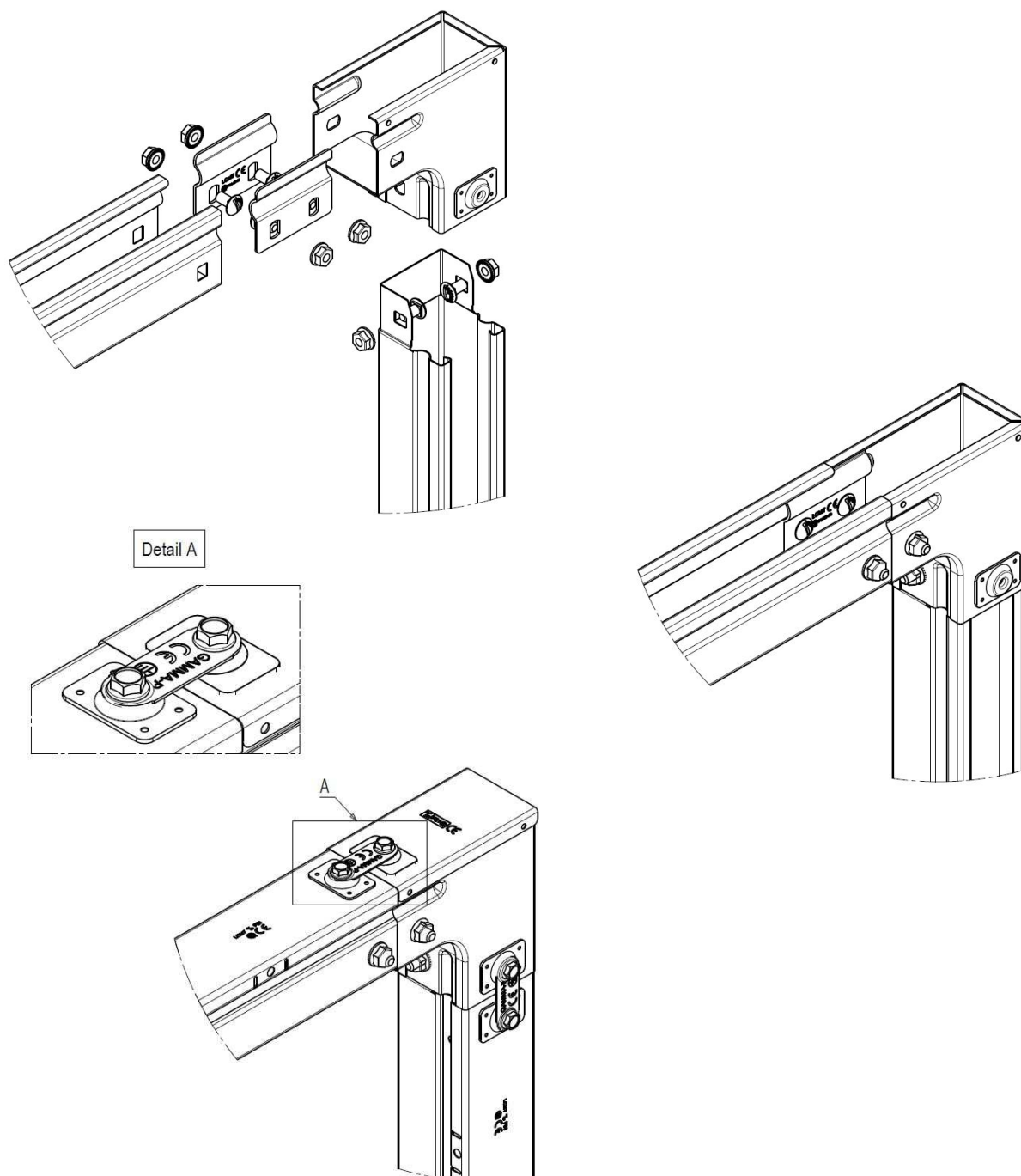
346474 / 31X99X99X (SS316L)

### ■ 4.2 Fitting to cable tray W50

Upright falling tee plane variation width 50mm (1,97") are assembled:

- Female side to fitting using EA coupler LG-481562 (PG) or LG-483562 (HDG) and 4 screws M6x12
- Male side to fitting using 2 screws M6x12

Join all covers by earth connection using copper plate or cable to guarantee electrical continuity.

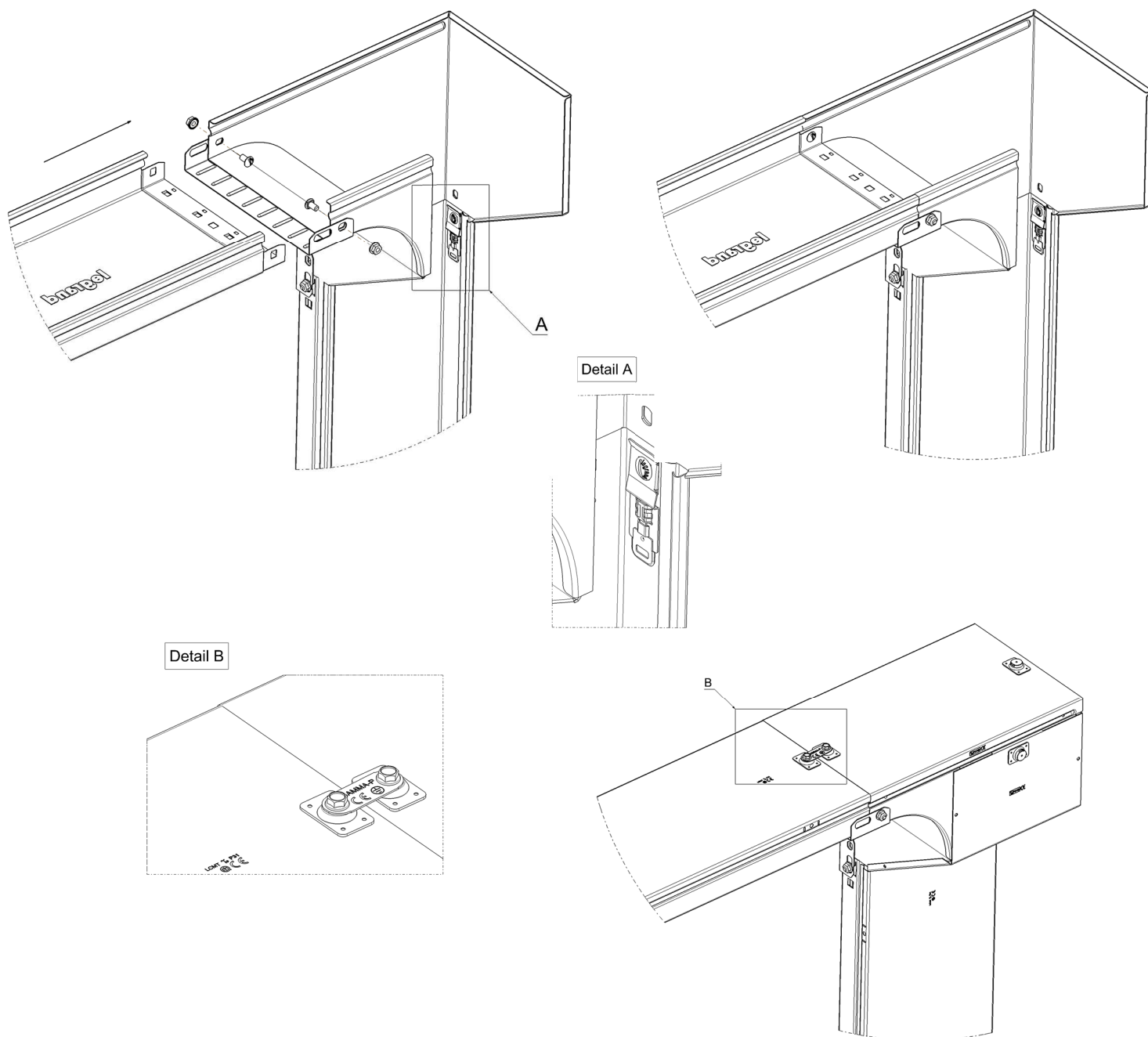


# P31-LEFT/RIGHT HAND OUTSIDE RISER H50 + COVER

Reference(s): 31AZB050...(Z,G,C) 31AYB050...(Z,C,G)  
4806../85/86/87/88/89/90/91-4826../85/86/87/88/89/90/91  
4846../85/86/87/88/89/90/91-4807../07/08/09/10/11/12/13  
4827../07/08/09/10/11/12/13-4847../07/08/09/10/11/12/13  
340706-342706-344706-340684-342684-344684

## 4.3 Fitting to cable tray

Left and right hand inside riser plane variation in height 50 are assembled using 4 screws M6x12 on the sides.  
Join all covers by earth connection using copper plate or cable to guarantee electrical continuity.



# P31-LEFT/RIGHT HAND OUTSIDE RISER H50 + COVER

Reference(s): 31AZB050...(Z,G,C) 31AYB050...(Z,C,G)  
4806../85/86/87/88/89/90/91-4826../85/86/87/88/89/90/91  
4846../85/86/87/88/89/90/91-4807../07/08/09/10/11/12/13  
4827../07/08/09/10/11/12/13-4847../07/08/09/10/11/12/13  
340706-342706-344706-340684-342684-344684

## 5. TECHNICAL DATA

### ■ 5.1 Climatic characteristics

Storage and operating temperature: - 20° C à + 120° C

### ■ 5.2 Material characteristics

| Material finish | Material        | Standard    | Resistance class against corrosion |
|-----------------|-----------------|-------------|------------------------------------|
| PG              | DX51D + Z200    | EN 10346    | Classe 3 - CEI 61537               |
| BLUE            | DX51D + Z200    | EN 10346    | Classe 3 - CEI 61537               |
| HDG             | DC 01           | EN 10130    | Classe 6 - CEI 61537               |
| SS304           | X5CrNi18-10     | EN 10 088-2 | Classe 9A - CEI 61537              |
| SS316L          | X2CrNiMo17-12-2 | EN 10 088-2 | Classe 9B - CEI 61537              |

## 6. CONFORMITY - CERTIFICATION

Comply with CEI 61537 Cable tray systems

Certification: CE, IMQ