



## Instrukcja montażu

2024-09-02

# P11153

Norma: PN-EN 1176-1:2017-12

Rozmiar: 6,50 x 4,92 m

Wielkość strefy bezpieczeństwa: 9,83 x 7,92 m

Powierzchnia strefy bezpieczeństwa: 60,85 m<sup>2</sup>

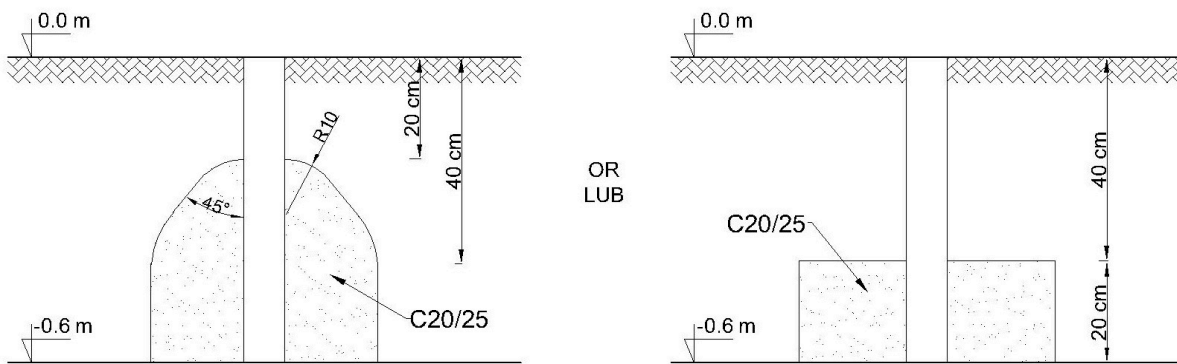
Wysokość: 3,34 m

Wysokość upadku: 2,04 m

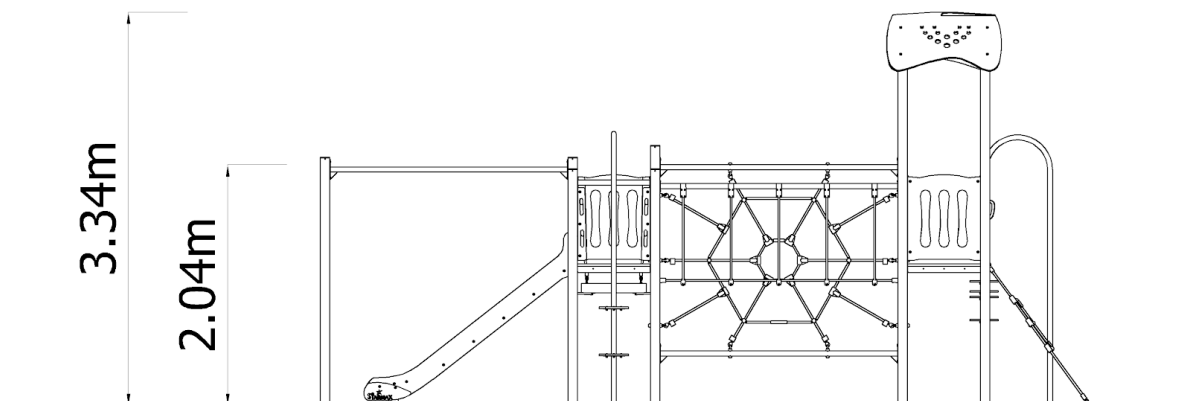
Wiek: 3+



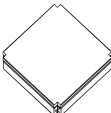
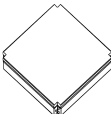
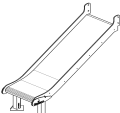
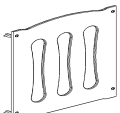
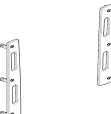
## Fundamentowanie

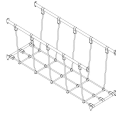
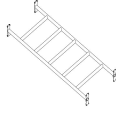
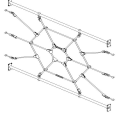
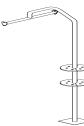
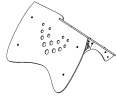


## Rzut boczny

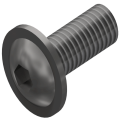
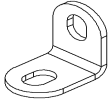
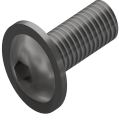
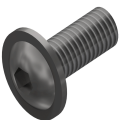
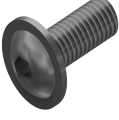


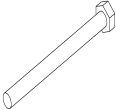
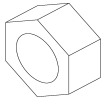
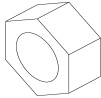
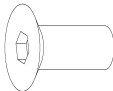
## Lista modułów

| Moduł | Nazwa                           | Wizualizacja                                                                          | Ilość |
|-------|---------------------------------|---------------------------------------------------------------------------------------|-------|
| M1101 | Podest kwadratowy - bez mocowań |    | 2     |
| M1102 | Podest kwadratowy - 1 mocowanie |    | 2     |
| M1203 | Zjeżdżalnia 120 kompletna       |    | 1     |
| M1302 | Zabezpieczenie ażurowe          |    | 4     |
| M1338 | Oslona - Drążek                 |  | 7     |
| M1343 | Zwężka - Uchwyt                 |  | 6     |
| M1374 | Zwężka - Uchwyt 618             |  | 2     |
| M1394 | Poprzeczka 140                  |  | 1     |
| M1424 | Przejście z talerzami 2100      |  | 1     |
| M1436 | Przejście z belkami 1400        |  | 1     |

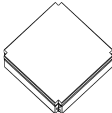
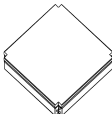
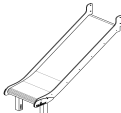
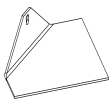
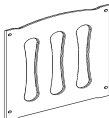
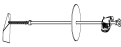
|                     |                                        |                                                                                       |          |
|---------------------|----------------------------------------|---------------------------------------------------------------------------------------|----------|
| <b>M1451</b>        | <b>Przejście linowe 2100</b>           |    | <b>1</b> |
| <b>M1453</b>        | <b>Drabinka pozioma 2100</b>           |    | <b>1</b> |
| <b>M1454</b>        | <b>Przejście pajęczyna 2100</b>        |    | <b>1</b> |
| <b>M1507</b>        | <b>Wejście linowe 120</b>              |    | <b>1</b> |
| <b>M1510</b>        | <b>Rura strażacka 120</b>              |    | <b>1</b> |
| <b>M1546</b>        | <b>Rura strażacka ze stopniami 120</b> |  | <b>1</b> |
| <b>M1601</b>        | <b>Dach fala z otworami</b>            |  | <b>2</b> |
| <b>P11153-01-19</b> | <b>Słupy do zestawu P11153</b>         |  | <b>1</b> |

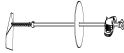
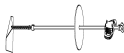
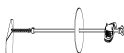
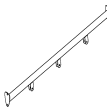
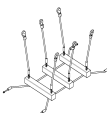
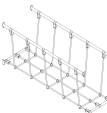
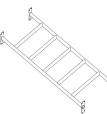
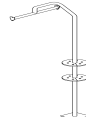
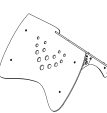
## Lista elementów złącznych

| Moduł              | Nazwa                                | Wizualizacja                                                                          | Ilość |
|--------------------|--------------------------------------|---------------------------------------------------------------------------------------|-------|
| ISO7380-2-M8x16-A2 | Śruba M8x16 z łbem podkładkowym A2   |    | 236   |
| DIN 986 - M8       | Nakrętka kołpakowa M8 A2             |    | 13    |
| ISO7089-M8-A2      | Podkładka okrągła płaska M8 A2       |    | 81    |
| ISO7380-2-M8x30-A2 | Śruba M8x30 z łbem podkładkowym A2   |    | 12    |
| B-P0000-07         | Kątownik montażowy paneli            |  | 64    |
| ISO7380-2-M8x25-A2 | Śruba M8x25 z łbem podkładkowym A2   |  | 64    |
| DIN986-M8-A2       | Nakrętka kołpakowa M8 A2             |  | 68    |
| ISO7380-2-M8x35-A2 | Śruba M8x16 z łbem podkładkowym A2   |  | 4     |
| ISO7380-2-M8x40-A2 | Śruba M8x40 z łbem podkładkowym A2   |  | 6     |
| K02                | Korek zabezpieczający płaski M10 M12 |  | 12    |

|                          |                                        |                                                                                       |          |
|--------------------------|----------------------------------------|---------------------------------------------------------------------------------------|----------|
| <b>DIN933-M10x100-A2</b> | <b>Śruba M10x100</b>                   |    | <b>6</b> |
| <b>DIN 934 - M10</b>     | <b>Nakrętka sześciokątna M10</b>       |    | <b>6</b> |
| <b>DIN986-M10-A2</b>     | <b>Nakrętka kołpakowa M10 A2</b>       |    | <b>2</b> |
| <b>ISO7089-M10-A2</b>    | <b>Podkładka M10 A2</b>                |    | <b>2</b> |
| <b>DIN934-M6</b>         | <b>Nakrętka sześciokątna M6</b>        |    | <b>3</b> |
| <b>ISO10642-M6X20-A2</b> | <b>Śruba M6x20 z łbem stożkowym A2</b> |  | <b>3</b> |
| <b>ISO7093-M6</b>        | <b>Podkładka M6 poszerzana</b>         |  | <b>3</b> |

## Lista części

| Podzespół  | Nazwa                               | Wizualizacja                                                                          | Ilość |
|------------|-------------------------------------|---------------------------------------------------------------------------------------|-------|
| M1101-01   | Podest kwadratowy - bez mocowań     |    | 2     |
| M1102-01   | Podest kwadratowy - 1 mocowanie     |    | 2     |
| M1203-01   | Zjeżdżalnia 120                     |    | 1     |
| B-M1001-01 | Blacha kotwiąca słup 80x80          |    | 23    |
| H-M1302-01 | Zabezpieczenie ażurowe - Panel      |  | 4     |
| M1338-01   | Drażek                              |  | 7     |
| H-M1343-01 | Zwężka - Uchwyt                     |  | 12    |
| H-M1374-01 | Zwężka - Uchwyt 618                 |  | 4     |
| A-M1394-01 | Poprzeczka 140 spawana              |  | 1     |
| A-M1424-01 | Poręcz - przejście z talerzami 2100 |  | 1     |
| M1424-01   | Talerz z liną skręcony 760          |  | 1     |

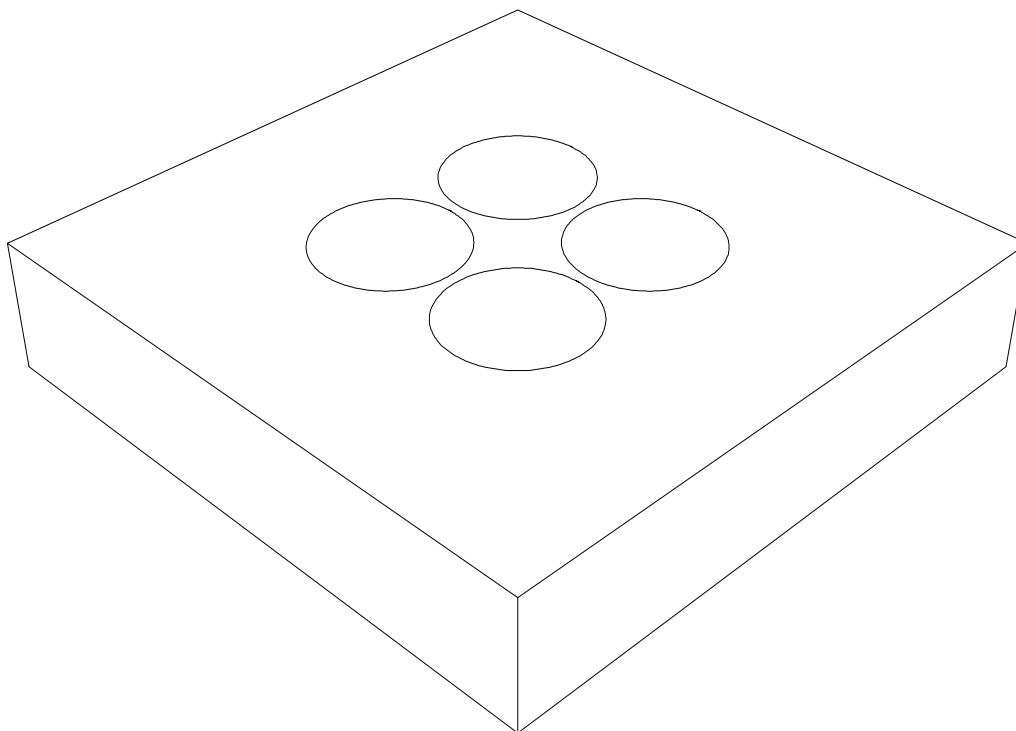
|                   |                                                   |                                                                                       |          |
|-------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|----------|
| <b>M1424-02</b>   | <b>Talerz z liną skręcony 625</b>                 |    | <b>1</b> |
| <b>M1424-03</b>   | <b>Talerz z liną skręcony 430</b>                 |    | <b>1</b> |
| <b>M1424-04</b>   | <b>Talerz z liną skręcony 672</b>                 |    | <b>1</b> |
| <b>A-M1436-01</b> | <b>Poręcz przejście z belkami 1400</b>            |    | <b>2</b> |
| <b>M1436-01</b>   | <b>Olinowanie z belkami</b>                       |    | <b>1</b> |
| <b>M1451_01</b>   | <b>Przejście linowe 2100 skręcone</b>             |    | <b>1</b> |
| <b>A_M1453_01</b> | <b>Drabinka pozioma 2100 spawana</b>              |  | <b>1</b> |
| <b>M1454_01</b>   | <b>Przejście pajęczyna 2100 skręcone</b>          |  | <b>1</b> |
| <b>M1507-01</b>   | <b>Wejście linowe 120</b>                         |  | <b>1</b> |
| <b>M1510-01</b>   | <b>Rura strażacka 120</b>                         |  | <b>1</b> |
| <b>M1546-01</b>   | <b>Rura strażacka ze stopniami 120 - skręcona</b> |  | <b>1</b> |
| <b>M1601-01</b>   | <b>Dach fala z otworami - skręcony</b>            |  | <b>2</b> |



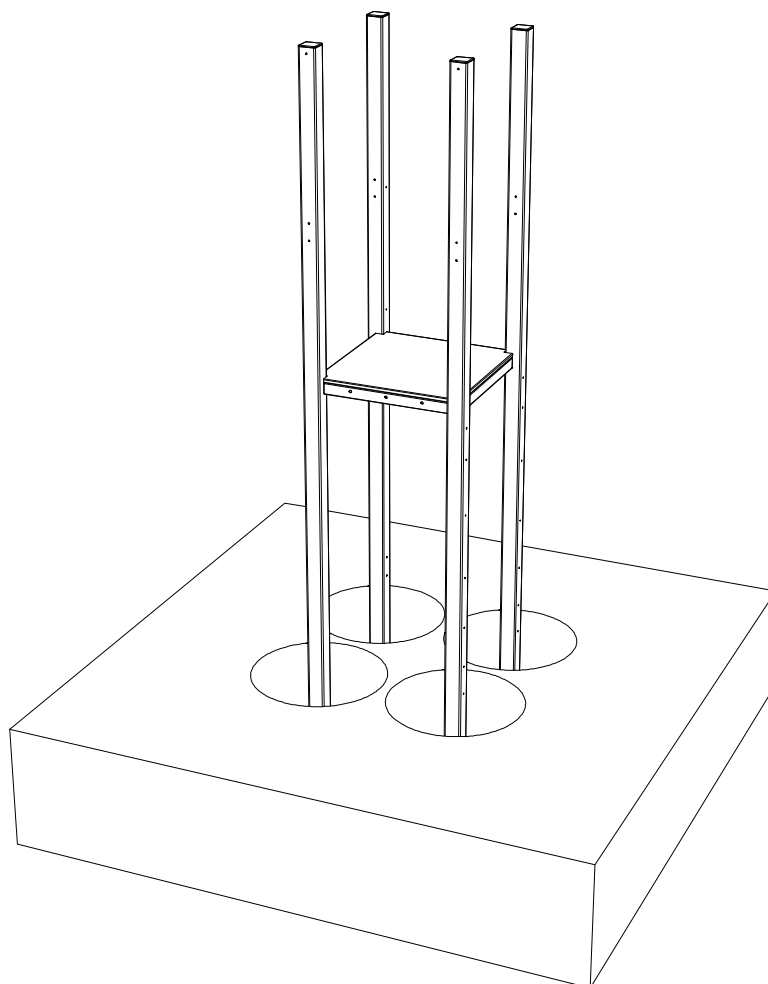
|                     |                                |                                                                                     |           |
|---------------------|--------------------------------|-------------------------------------------------------------------------------------|-----------|
| <b>P11153-01-19</b> | <b>Słupy do zestawu P11153</b> |  | <b>19</b> |
|---------------------|--------------------------------|-------------------------------------------------------------------------------------|-----------|

# Kolejność montażu

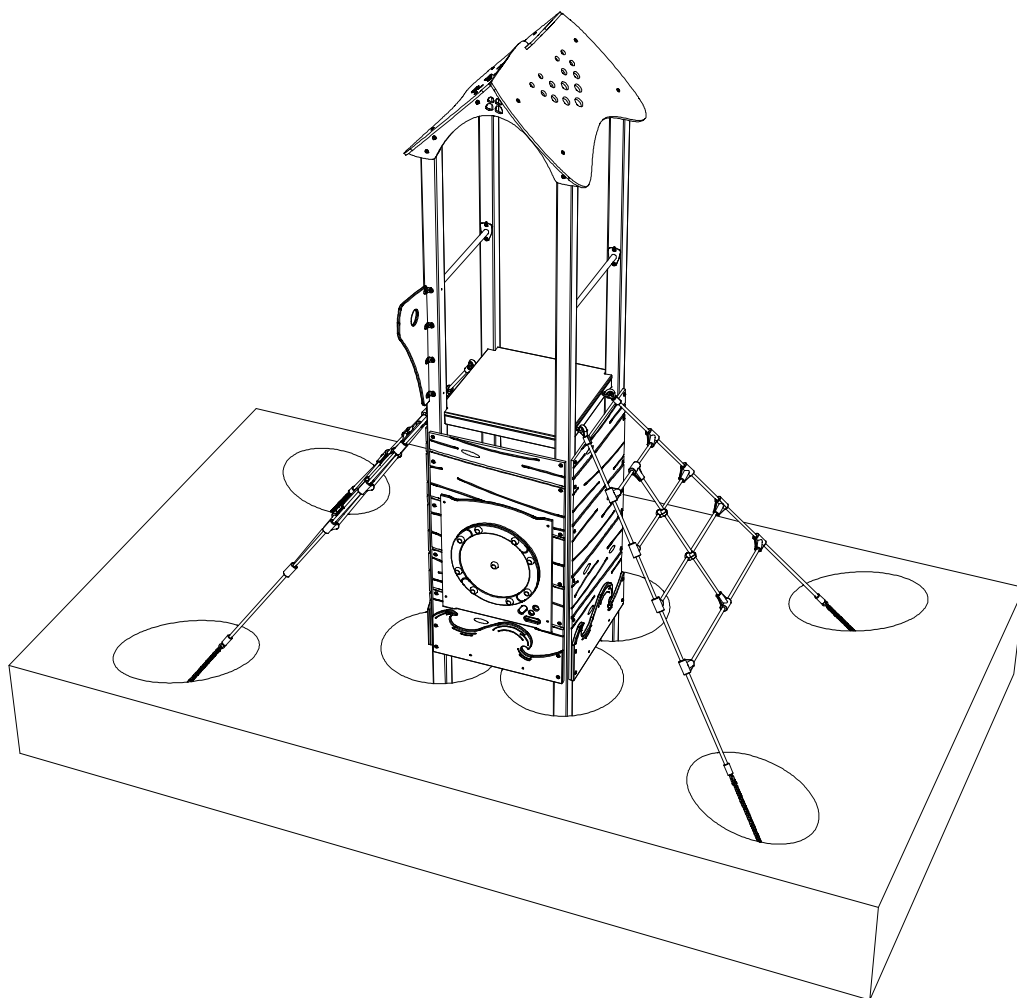
Krok 1 - Wykopać otwory pod słupy  
(wymiary i głębokość podane na str. 2).



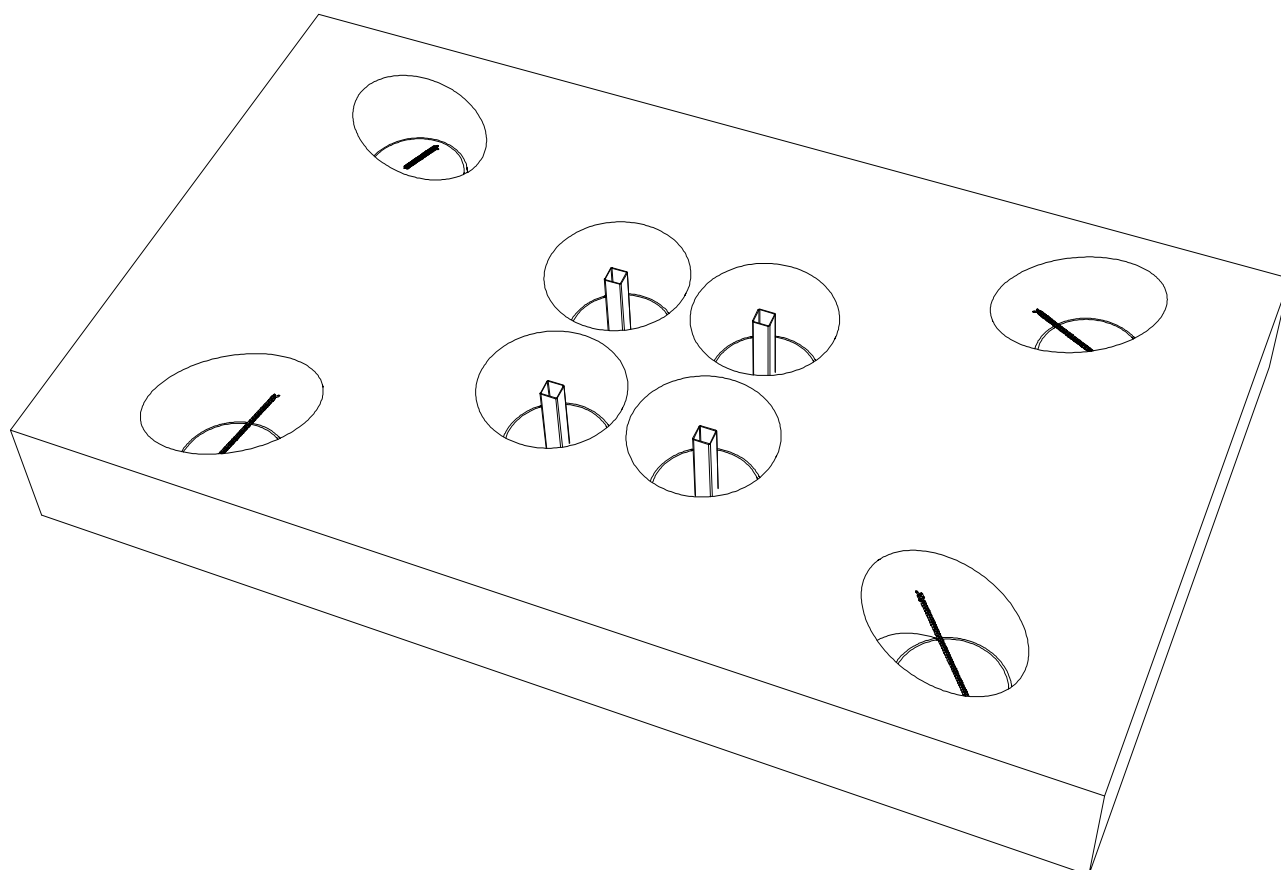
Krok 2 - Skręcić słupy zestawu z podestem  
i umieścić go we wcześniej wykopanych otworach.



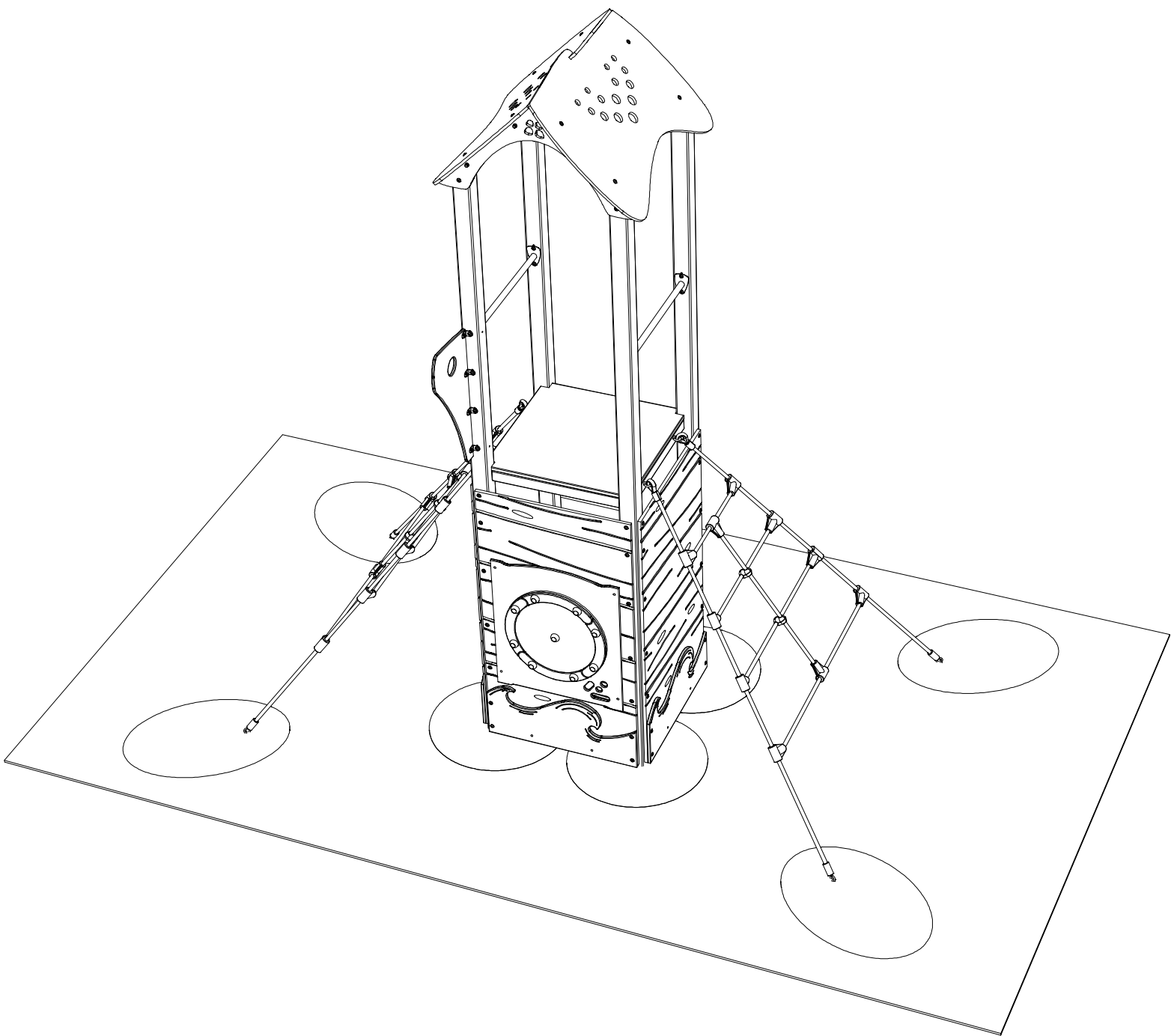
Krok 3 - Wstępnie skręcić wszystkie elementy składowe zestawu.

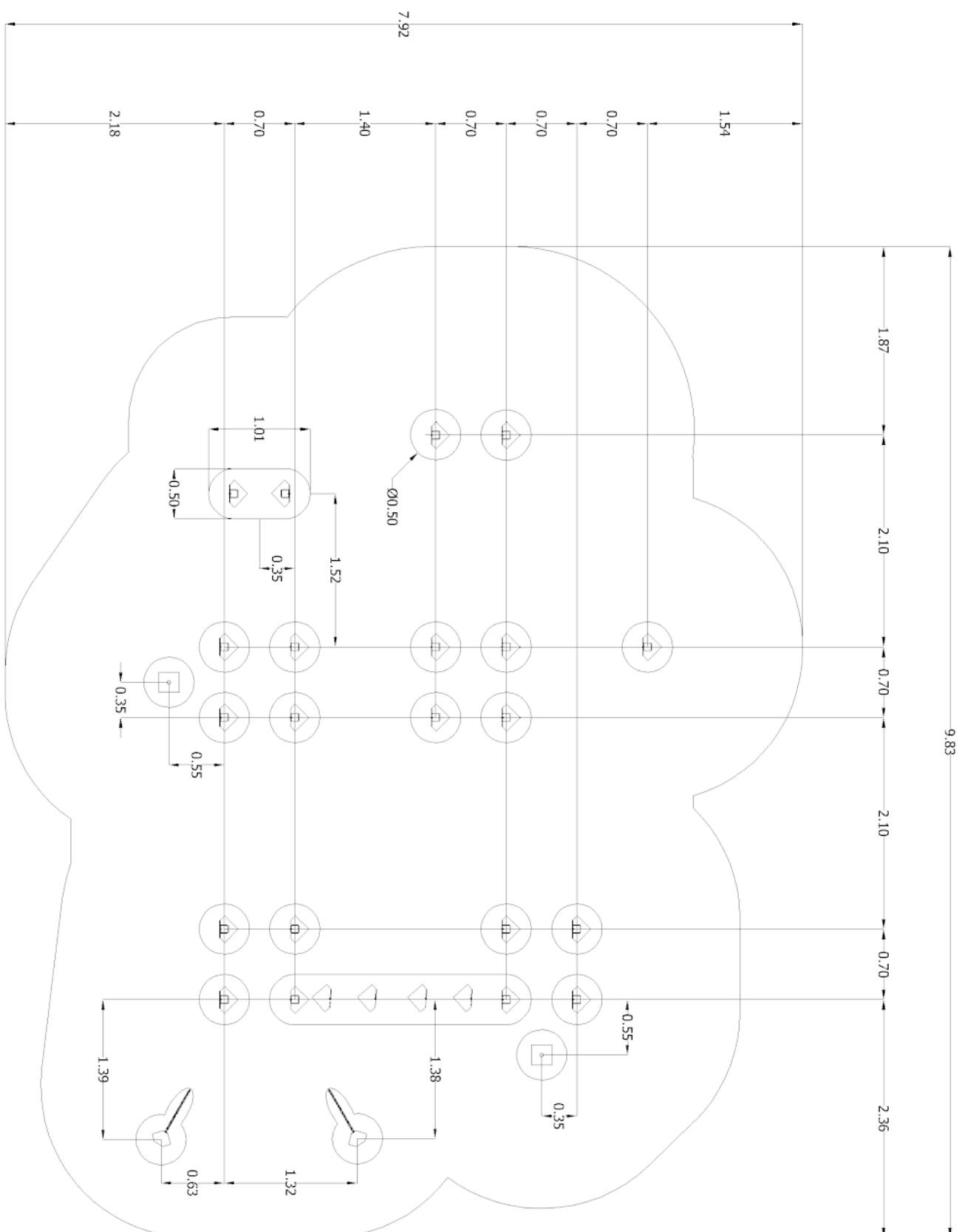


Krok 4 - Zalać wykopy betonem zgodnie ze specyfikacją podaną na str. 2.

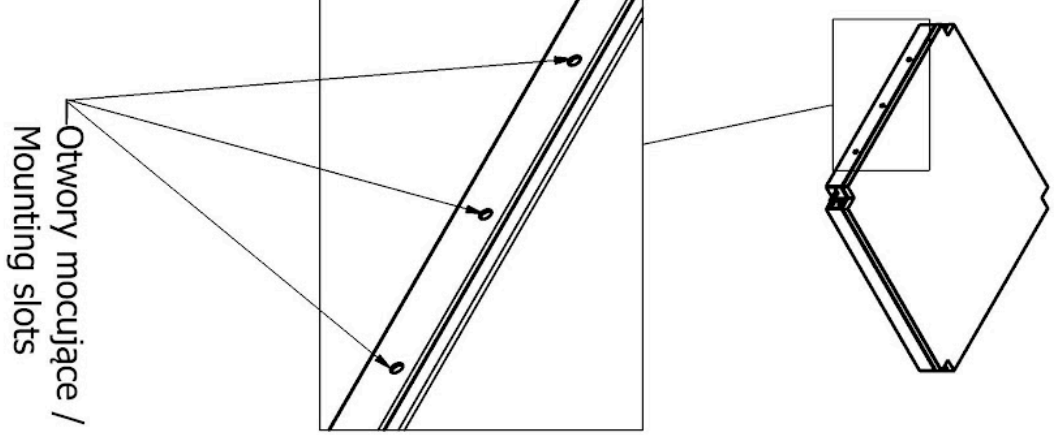
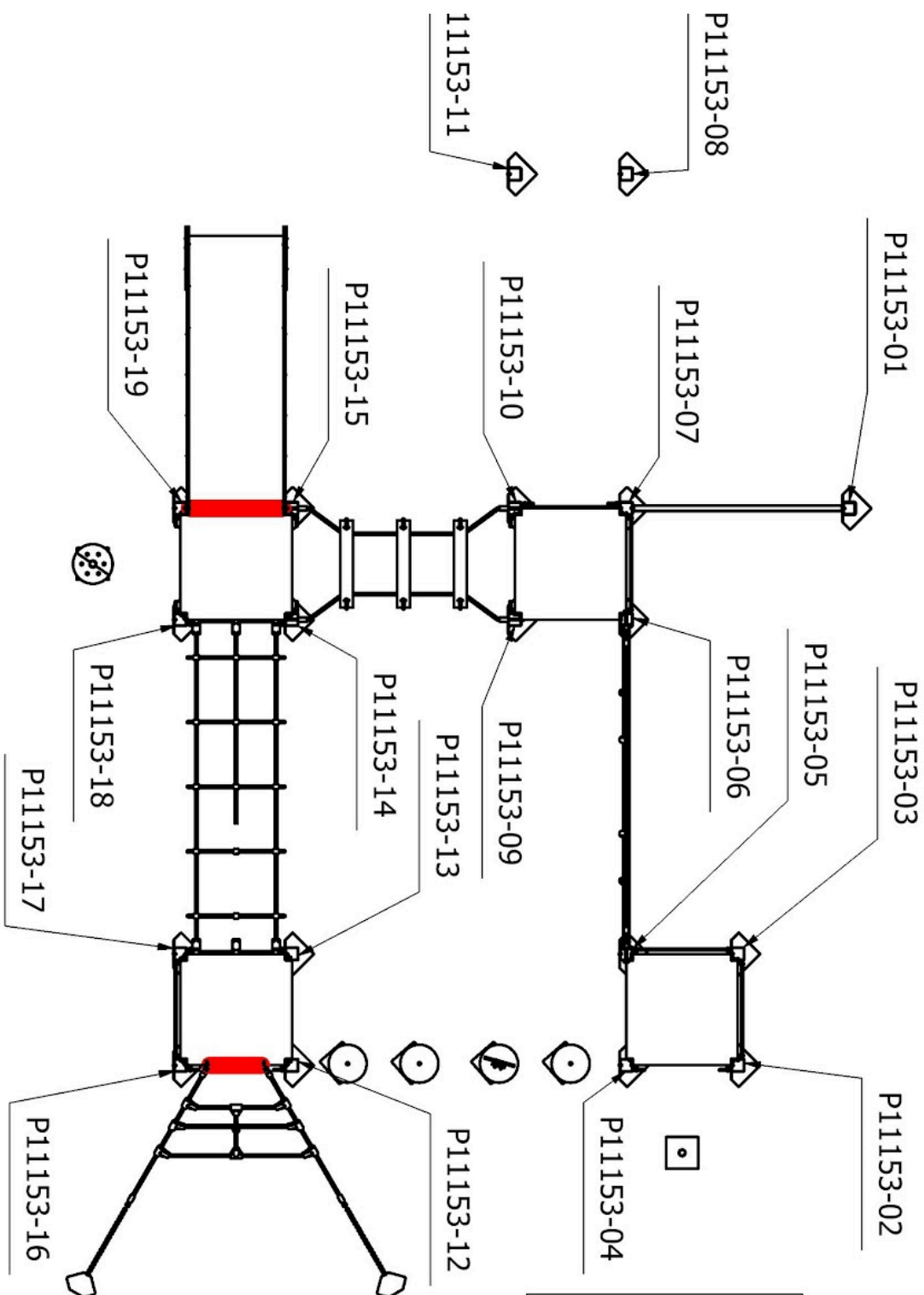


Krok 5 - Po odczekaniu do momentu zaschnięcia betonu dokręcić dokładnie wszystkie elementy składowe zestawu i zasypać wykopy. Przygotować odpowiednią nawierzchnię według projektu.

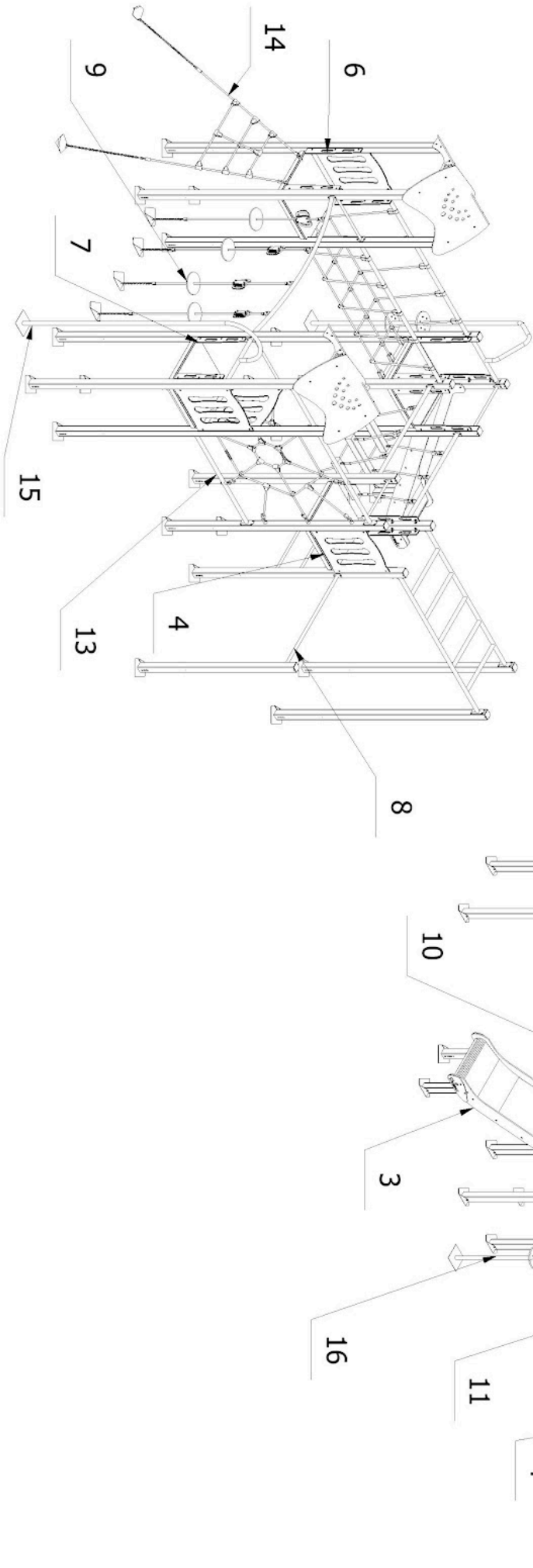




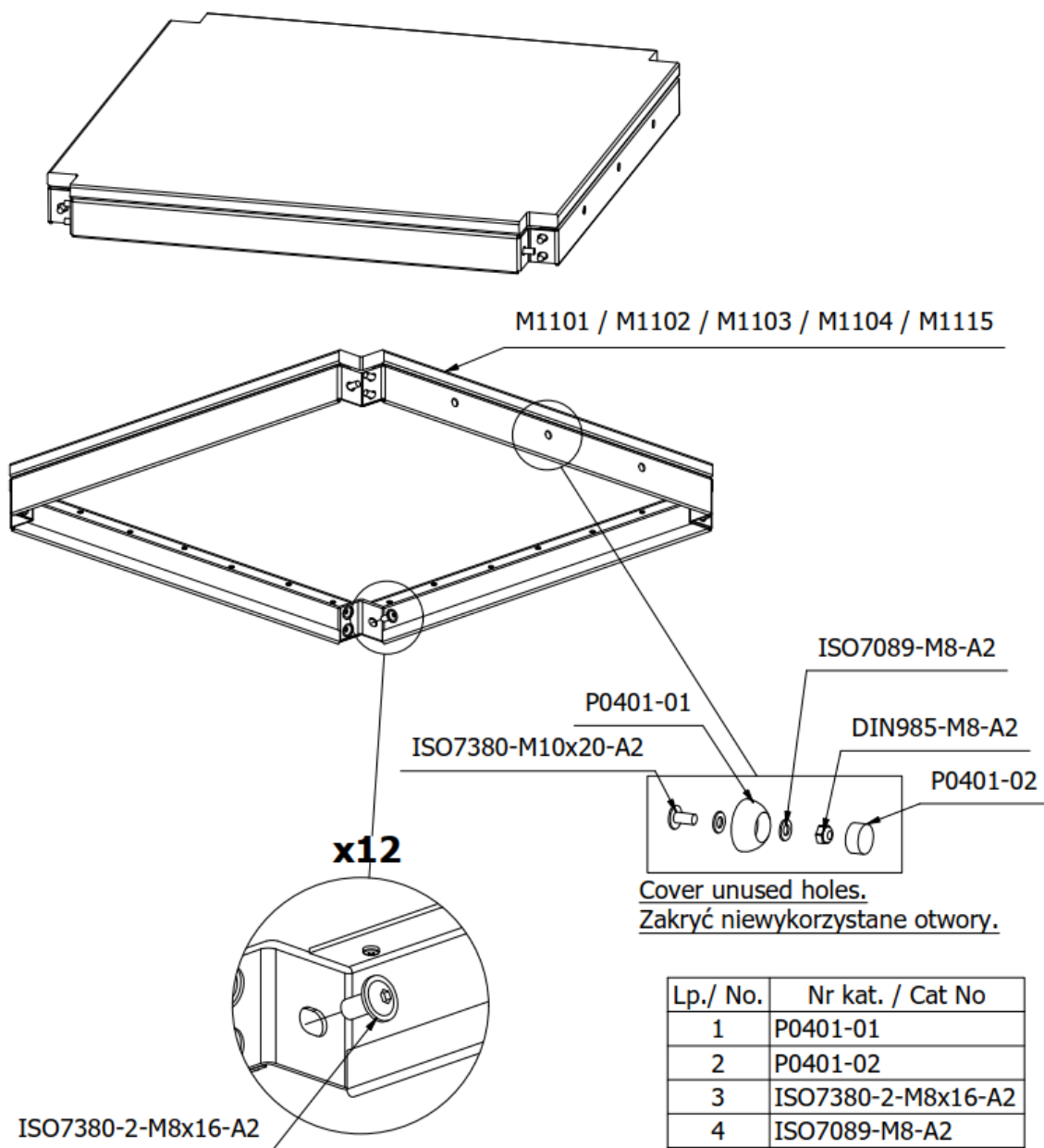
Na czerwono zaznaczono miejsca otworów mocujących w podeście /  
In red is the placement of platform's mounting slots



| Lp. / No. | Nr kat. / ID | Ilość / Quantity | Lp. / No. | Nr kat. / ID | Ilość / Quantity |
|-----------|--------------|------------------|-----------|--------------|------------------|
| 1         | M1101        | 2                | 14        | M1507        | 1                |
| 2         | M1102        | 2                | 15        | M1510        | 1                |
| 3         | M1203        | 1                | 16        | M1546        | 1                |
| 4         | M1302        | 4                | 17        | M1601        | 2                |
| 5         | M1338        | 7                | 18        | P11153-01-19 | 1                |
| 6         | M1343        | 6                |           |              |                  |
| 7         | M1374        | 2                |           |              |                  |
| 8         | M1394        | 1                |           |              |                  |
| 9         | M1424        | 1                |           |              |                  |
| 10        | M1436        | 1                |           |              |                  |
| 11        | M1451        | 1                |           |              |                  |
| 12        | M1453        | 1                |           |              |                  |
| 13        | M1454        | 1                |           |              |                  |



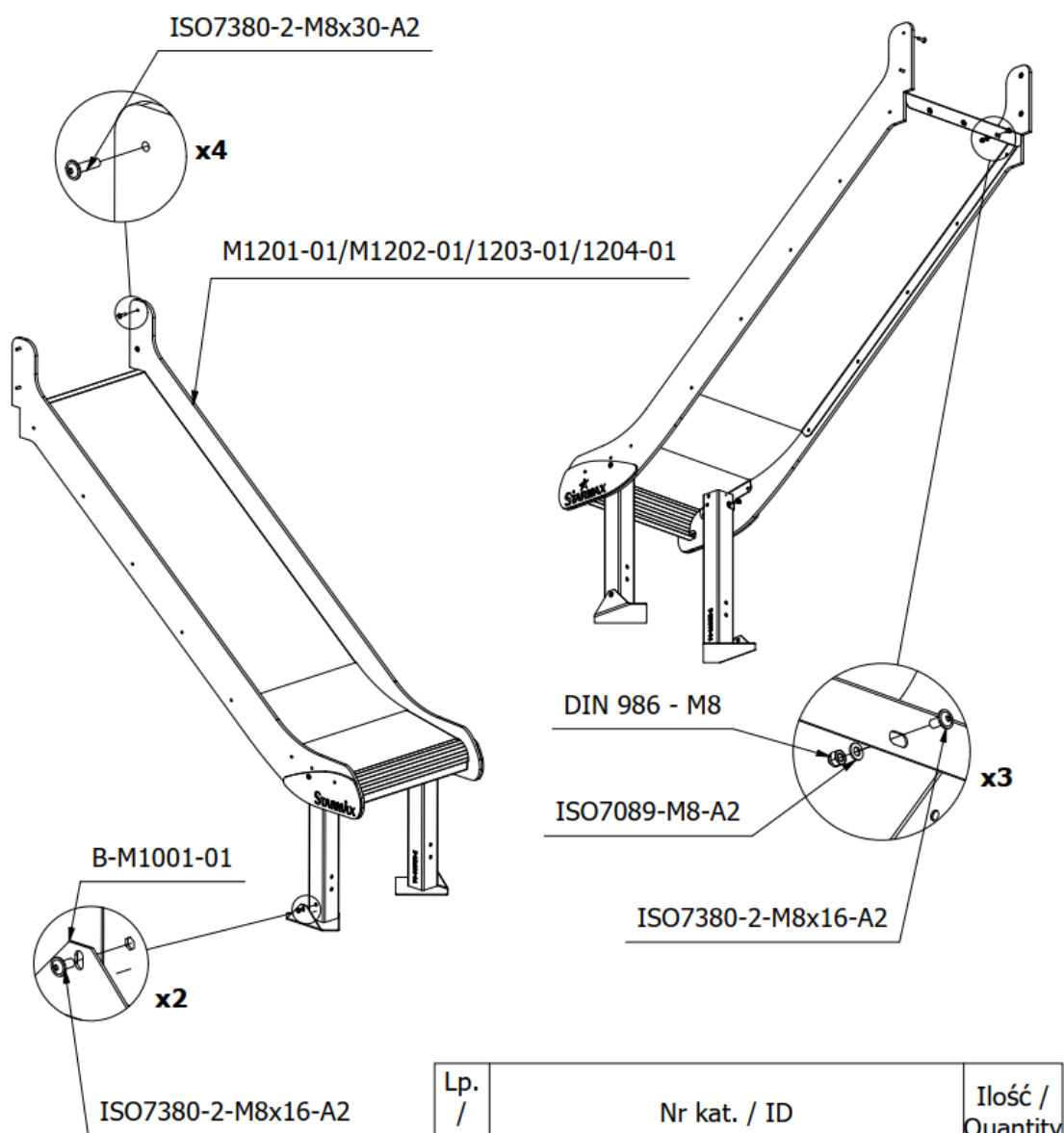
## M1101 / M1102 / M1103 / M1104 / M1115



| Lp./ No. | Nr kat. / Cat No                 | Ilość / Quantity |
|----------|----------------------------------|------------------|
| 1        | M1101 / M1102 /<br>M1103 / M1104 | 1                |
| 2        | ISO7380-2-M8x16-A2               | 12               |

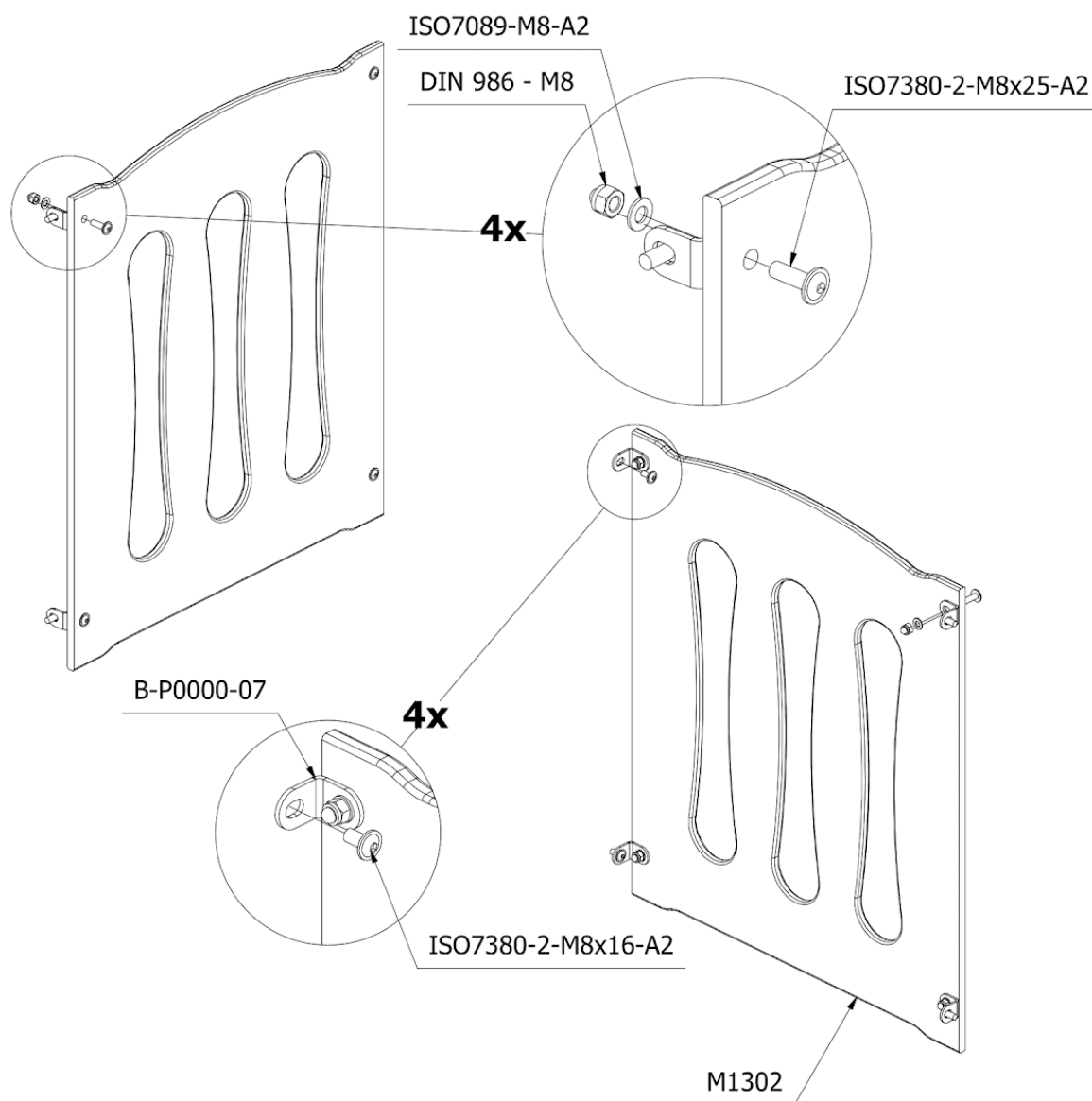


## M1201/M1202/M1203/M1204



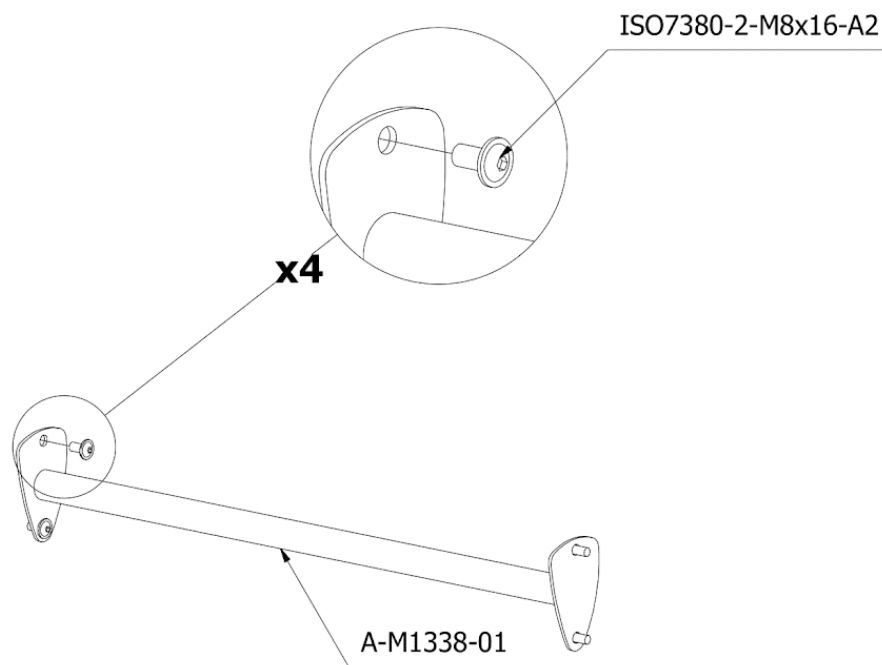
| Lp.<br>/ No. | Nr kat. / ID                      | Ilość /<br>Quantity |
|--------------|-----------------------------------|---------------------|
| 1            | M1201-01/M1202-01/1203-01/1204-01 | 1                   |
| 2            | B-M1001-01                        | 2                   |
| 3            | DIN 986 - M8                      | 7                   |
| 4            | ISO7089-M8-A2                     | 7                   |
| 5            | ISO7380-2-M8x16-A2                | 5                   |
| 6            | ISO7380-2-M8x30-A2                | 4                   |

## M1301 / M1302



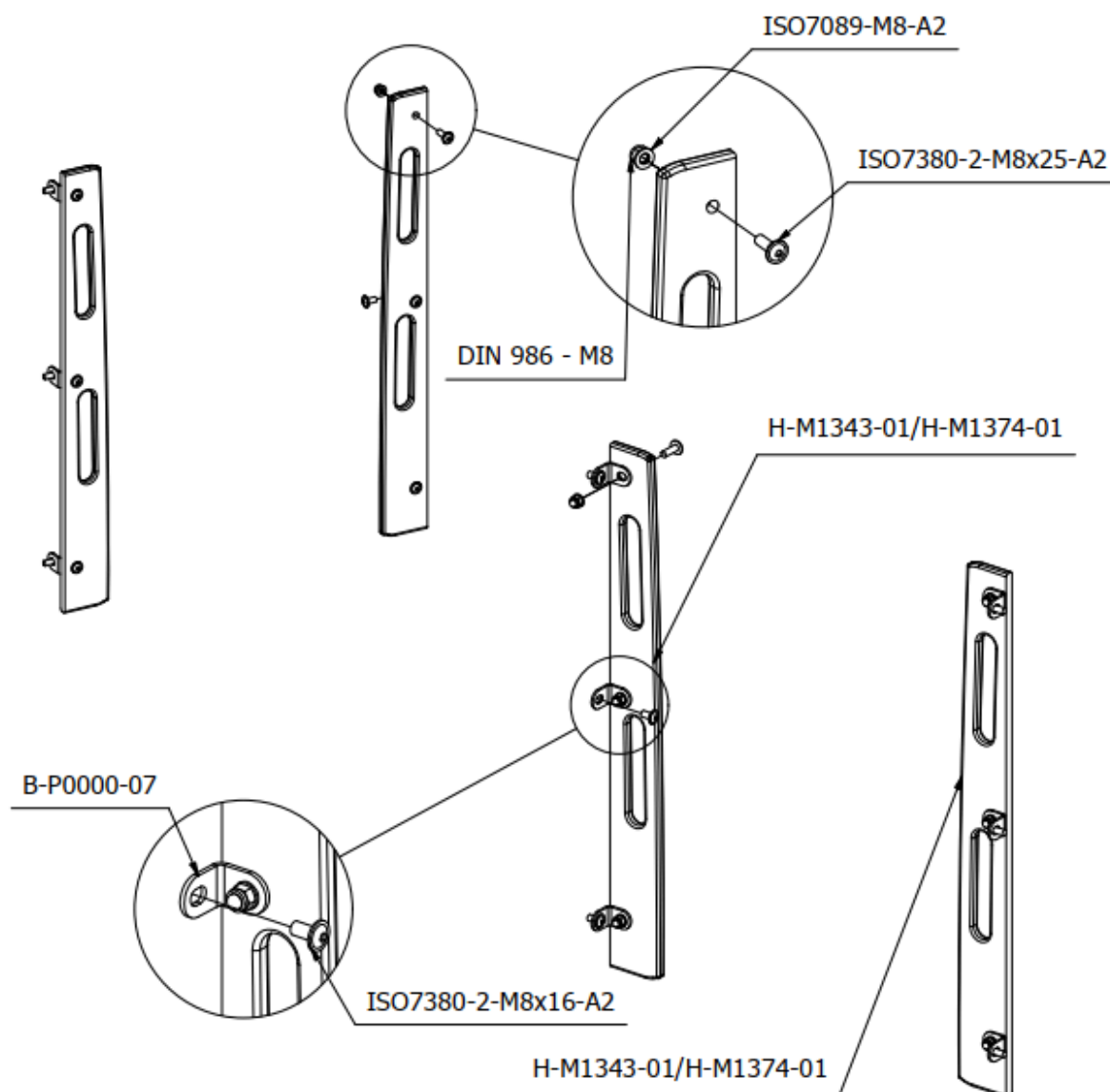
| Lp./ No. | Nr kat. / Cat No   | Ilość / Quantity |
|----------|--------------------|------------------|
| 1        | M1301 / M1302      | 1                |
| 2        | B-P0000-07         | 4                |
| 3        | ISO7380-2-M8x25-A2 | 4                |
| 4        | ISO7089-M8-A2      | 4                |
| 5        | DIN 986 - M8       | 4                |
| 6        | ISO7380-2-M8x16-A2 | 4                |

## M1338



| Lp./ No. | Nr kat. / Cat No   | Ilość / Quantity |
|----------|--------------------|------------------|
| 1        | A-M1338-01         | 1                |
| 2        | ISO7380-2-M8x16-A2 | 4                |

## M1343 / M1374

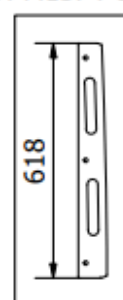


| Lp./ No. | Nr kat. / Cat No      | Ilość / Quantity |
|----------|-----------------------|------------------|
| 1        | H-M1343-01/H-M1374-01 | 2                |
| 2        | B-P0000-07            | 6                |
| 5        | ISO7380-2-M8x25-A2    | 6                |
| 7        | ISO7380-2-M8x16-A2    | 6                |
| 8        | ISO7089-M8-A2         | 6                |
| 9        | DIN 986 - M8          | 6                |

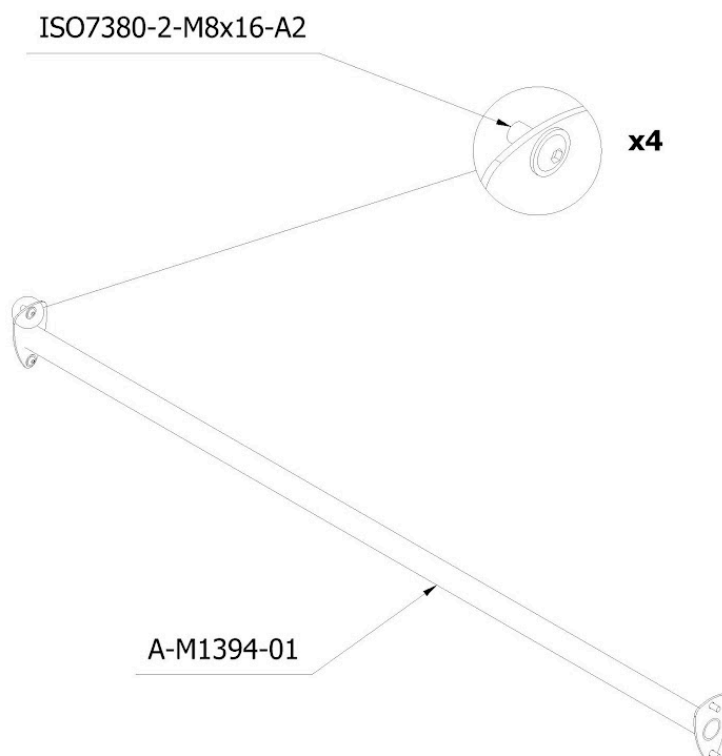
H-M1343-01



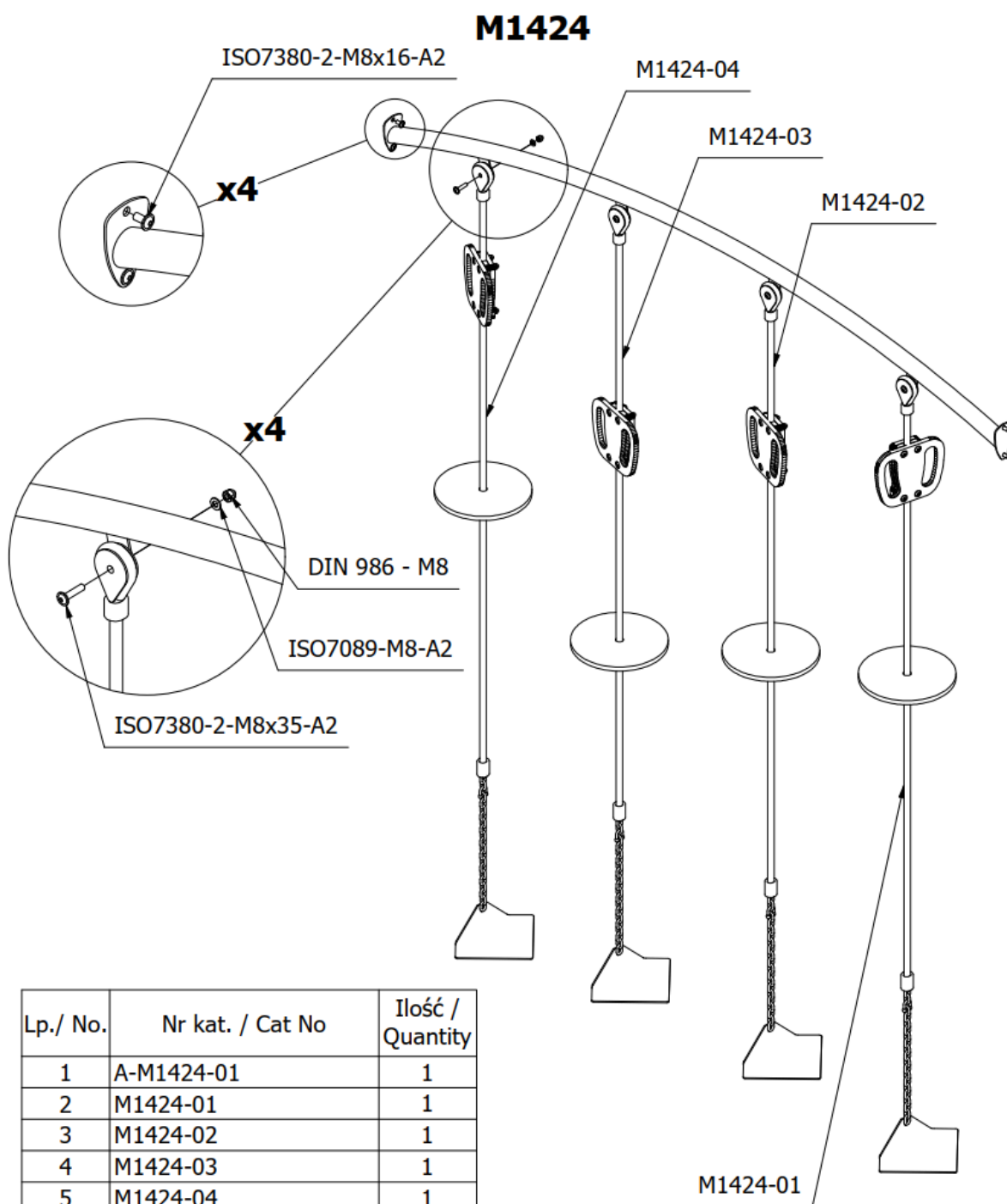
H-M1374-01



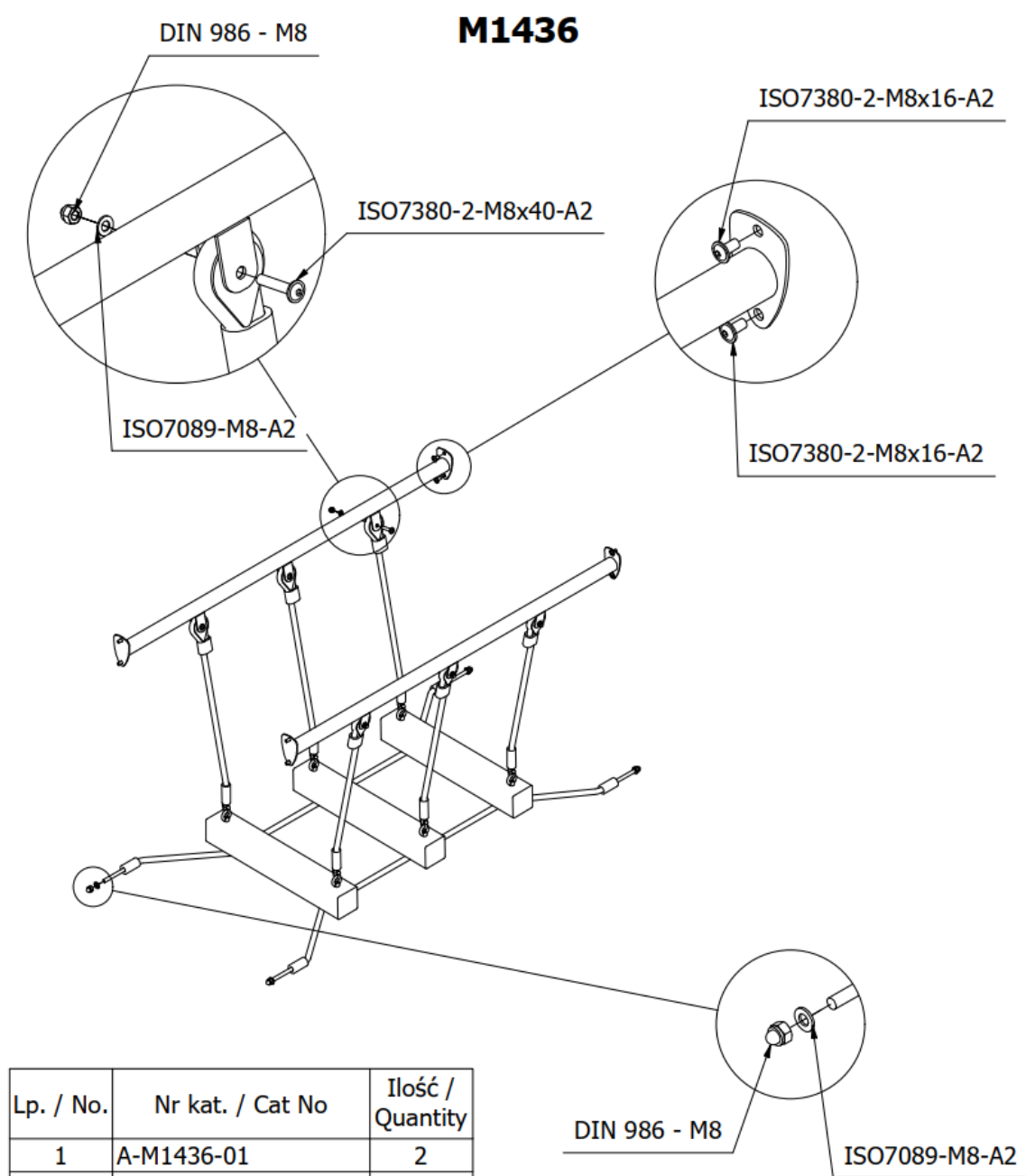
## M1394



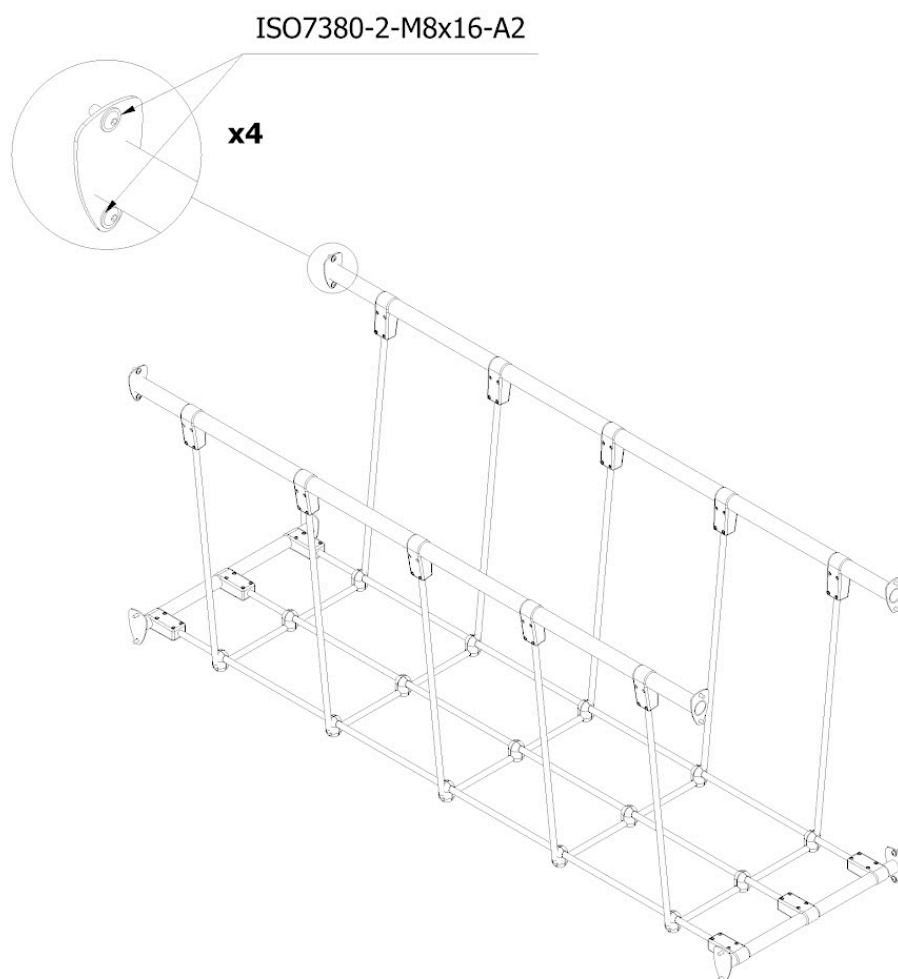
| Lp. / No. | Nr kat. / Cat No   | Ilość / Quantity |
|-----------|--------------------|------------------|
| 1         | A-M1394-01         | 1                |
| 2         | ISO7380-2-M8x16-A2 | 4                |



| Lp./ No. | Nr kat. / Cat No   | Ilość / Quantity |
|----------|--------------------|------------------|
| 1        | A-M1424-01         | 1                |
| 2        | M1424-01           | 1                |
| 3        | M1424-02           | 1                |
| 4        | M1424-03           | 1                |
| 5        | M1424-04           | 1                |
| 6        | ISO7380-2-M8x16-A2 | 4                |
| 10       | ISO7380-2-M8x35-A2 | 4                |
| 11       | ISO7089-M8-A2      | 4                |
| 12       | DIN 986 - M8       | 4                |



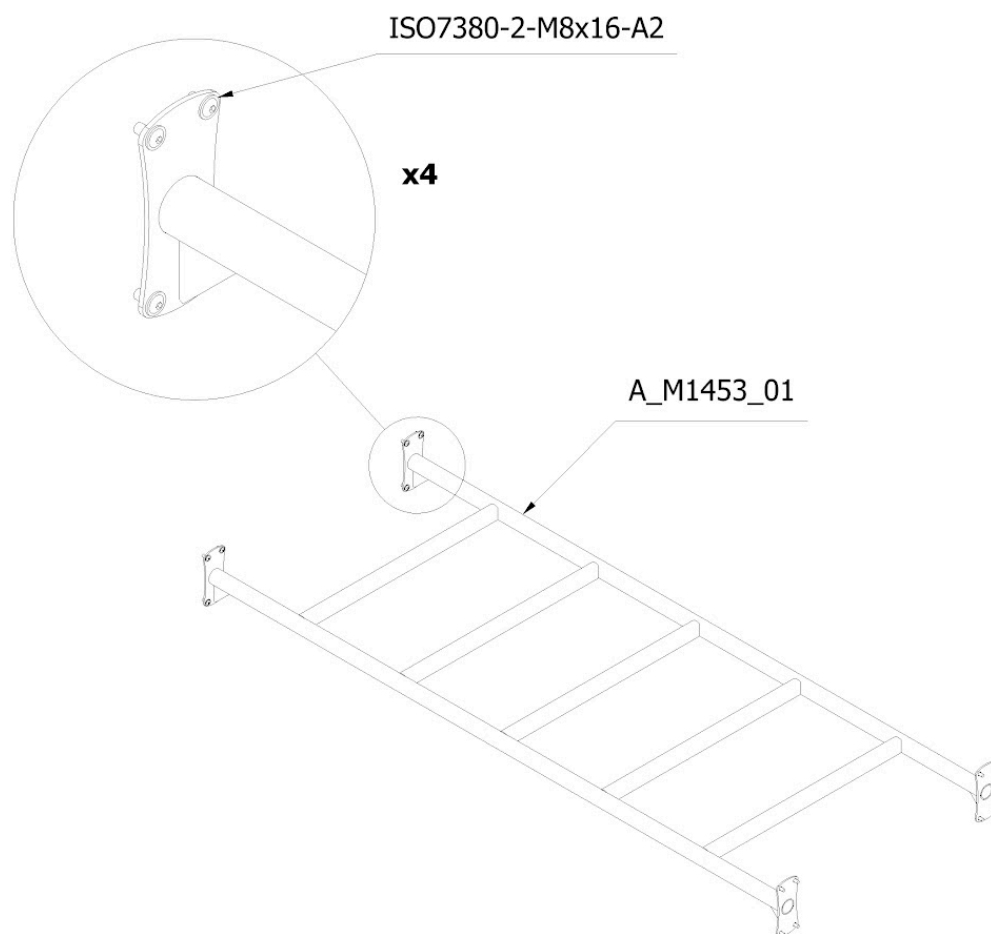
# M1451



| Lp. / No. | Nr kat. / Cat No   | Ilość / Quantity |
|-----------|--------------------|------------------|
| 1         | M1451_01           | 1                |
| 2         | ISO7380-2-M8x16-A2 | 16               |

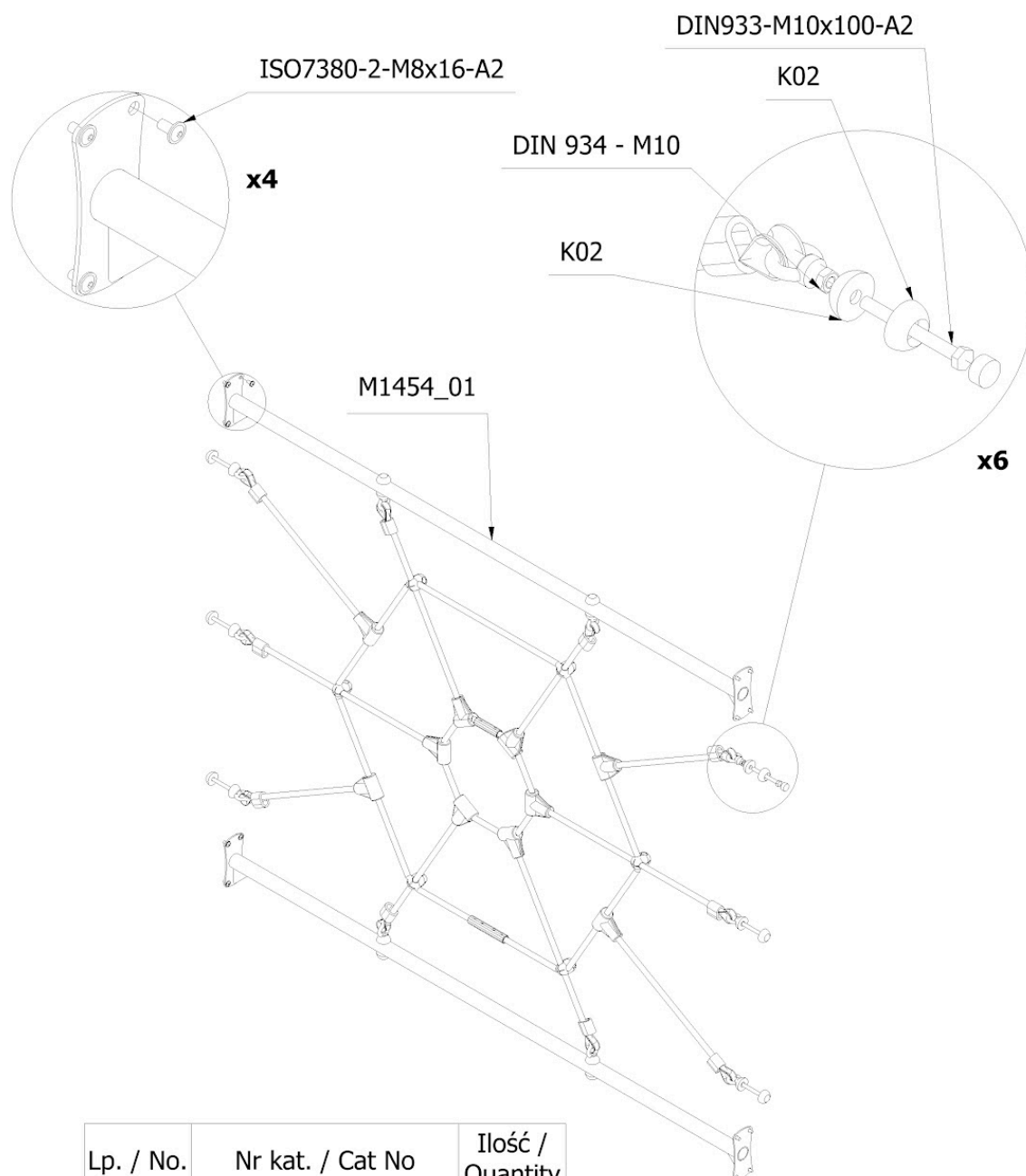


## M1453



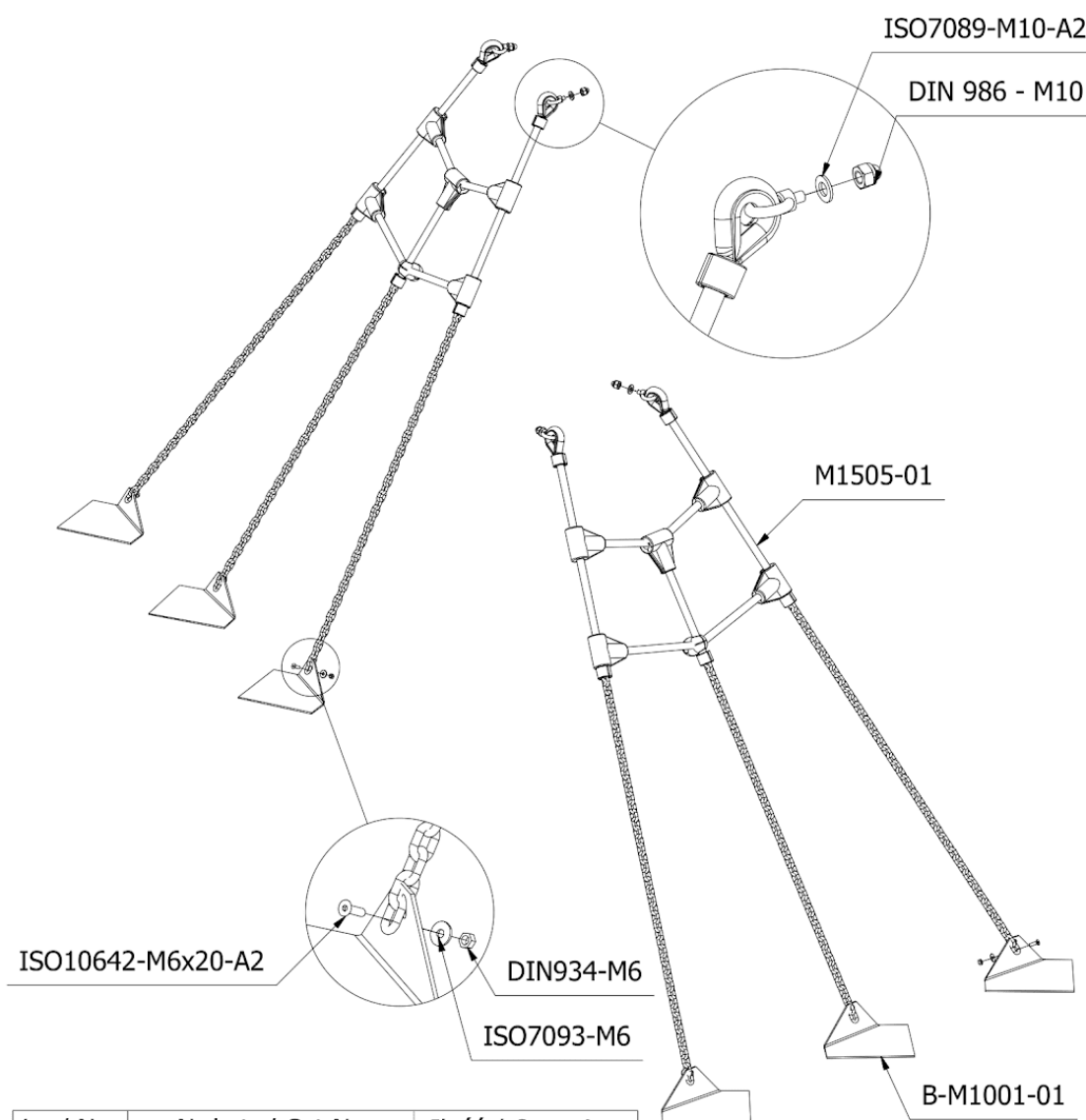
| Lp. / No. | Nr kat. / Cat No   | Ilość / Quantity |
|-----------|--------------------|------------------|
| 1         | A_M1453_01         | 1                |
| 2         | ISO7380-2-M8x16-A2 | 16               |

## M1454



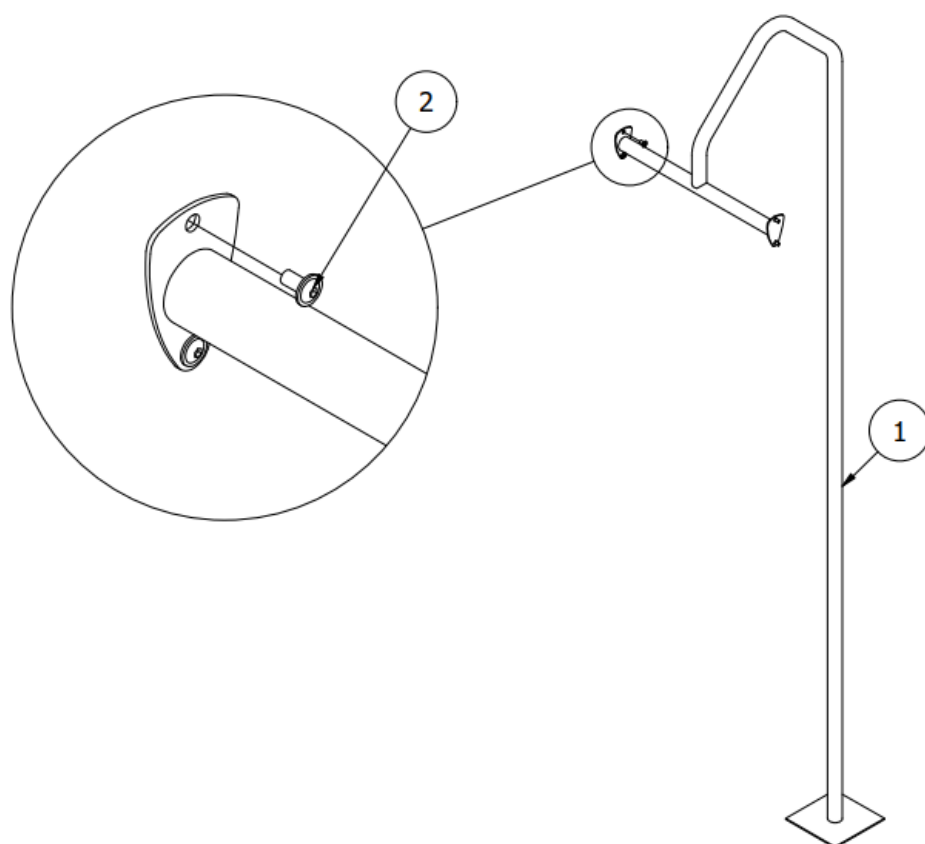
| Lp. / No. | Nr kat. / Cat No   | Ilość / Quantity |
|-----------|--------------------|------------------|
| 1         | M1454_01           | 1                |
| 2         | ISO7380-2-M8x16-A2 | 16               |
| 3         | K02                | 12               |
| 4         | DIN933-M10x100-A2  | 6                |
| 5         | DIN 934 - M10      | 6                |

## M1505/M1506/M1507/M1508



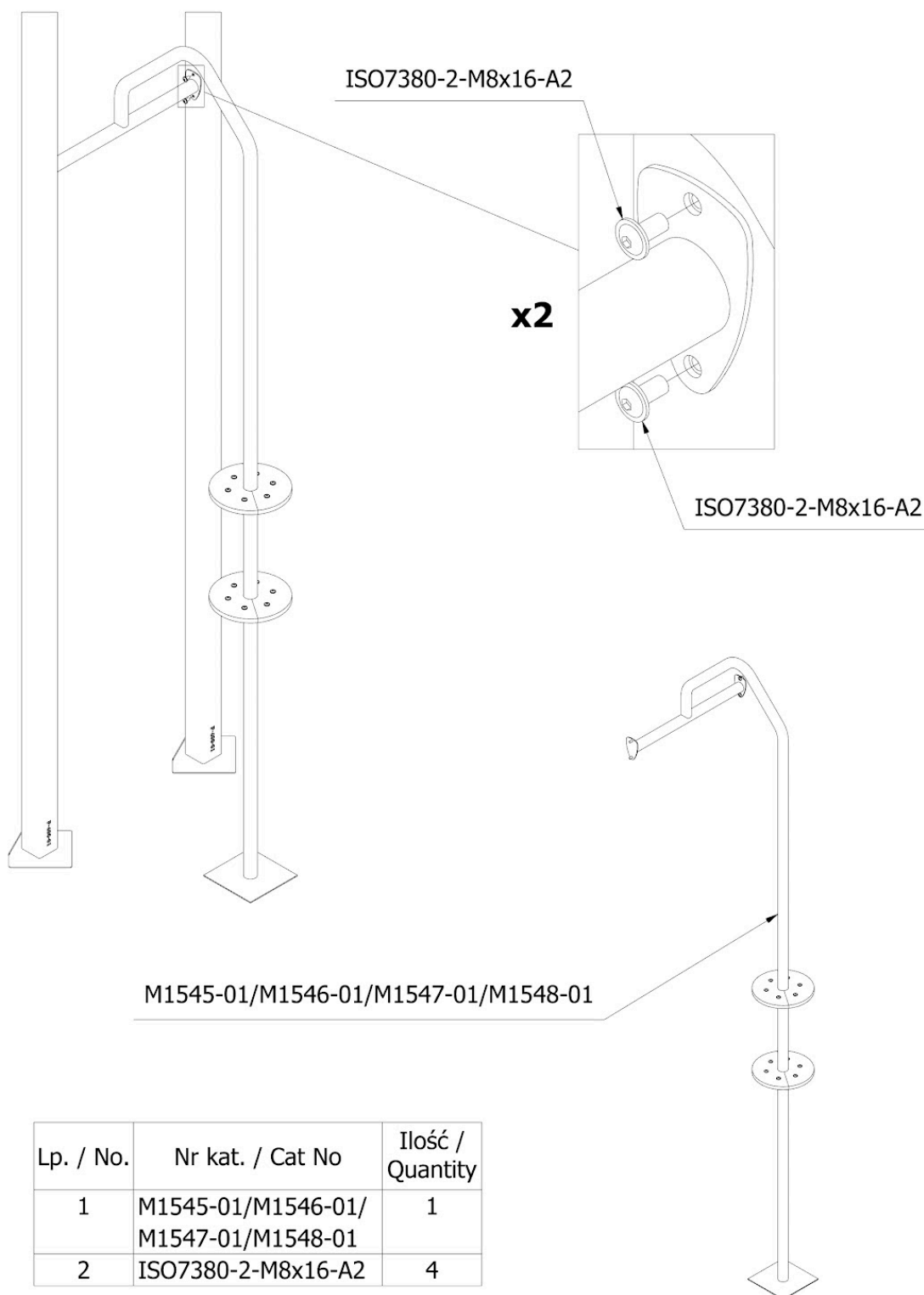
| Lp./ No. | Nr kat. / Cat No  | Ilość / Quantity |
|----------|-------------------|------------------|
| 1        | M1505-01          | 1                |
| 2        | DIN 986 - M10     | 2                |
| 3        | ISO7089-M10-A2    | 2                |
| 4        | DIN934-M6         | 3                |
| 5        | ISO10642-M6x20-A2 | 3                |
| 6        | ISO7093-M6        | 3                |
| 7        | B-M1001-01        | 3                |

## M1509/M1510/M1511/M1512

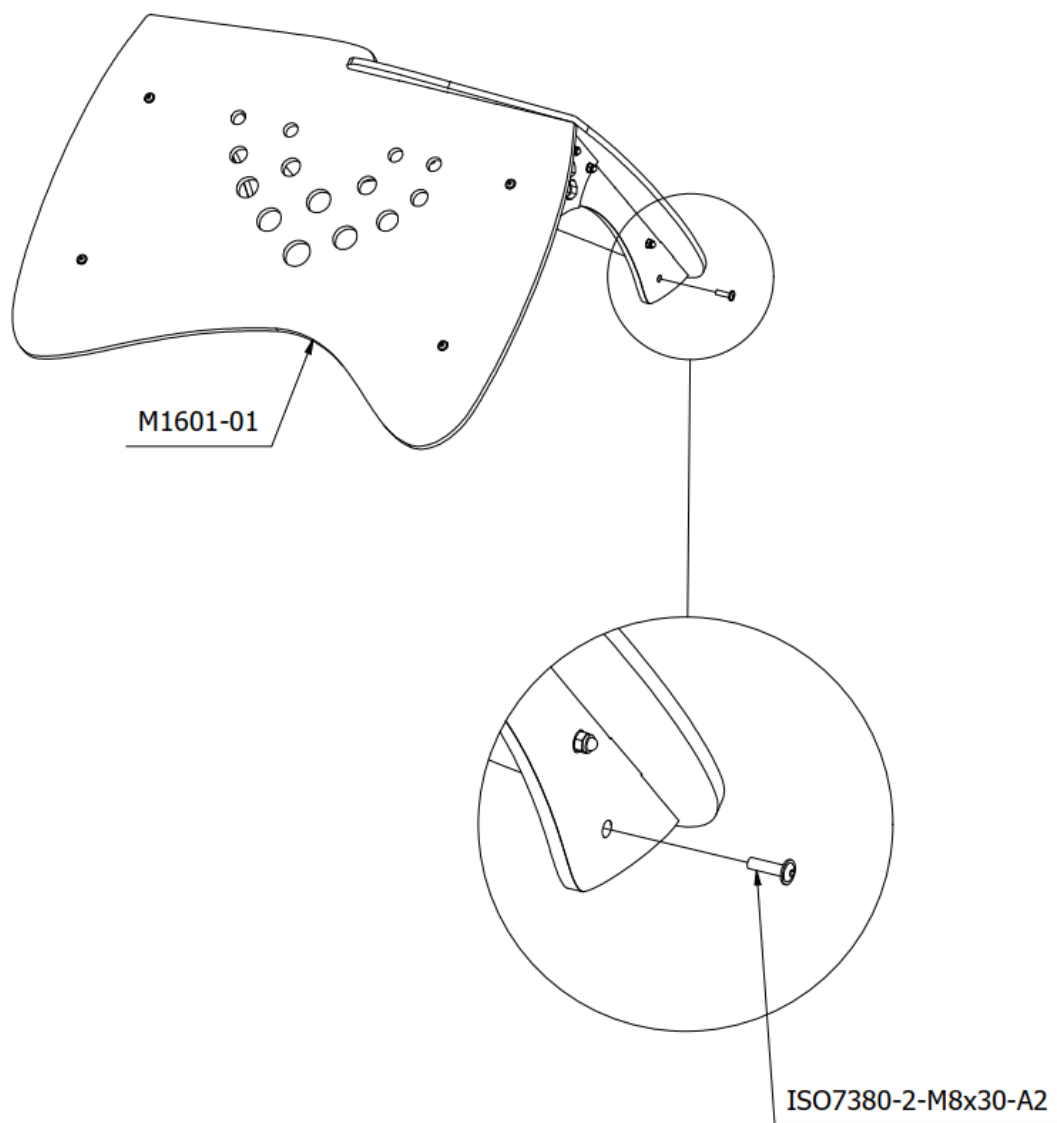


| Lp. | Nr kat.                                     | Ilość |
|-----|---------------------------------------------|-------|
| 1   | A-M1509-01/A-M1510-01/A-M1511-01/A-M1512-01 | 1     |
| 2   | ISO7380-2-M8x16-A2                          | 4     |

## M1545/M1546/M1547/M1548

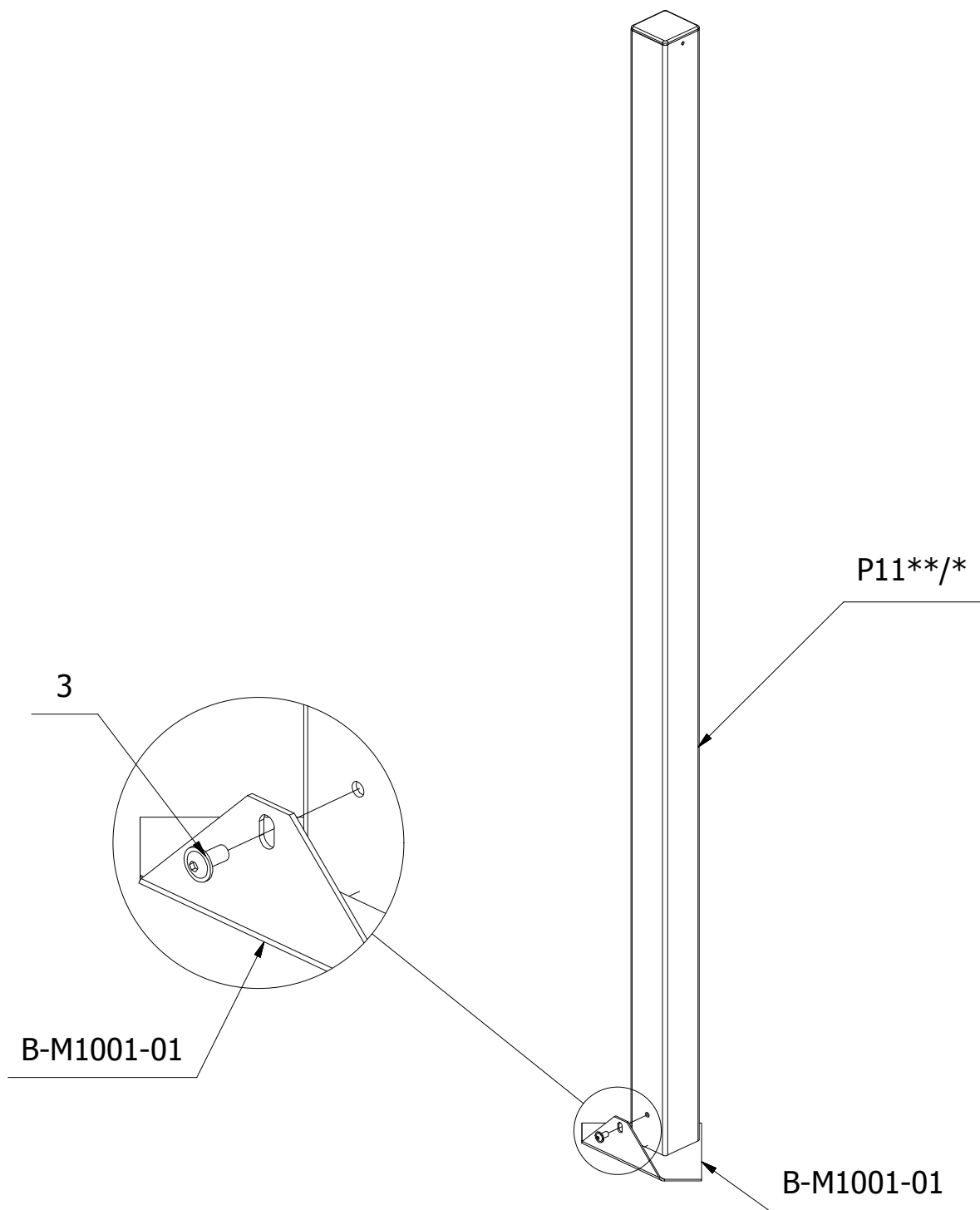


## M1601



| Lp./ No. | Nr kat. / Cat No   | Ilość / Quantity |
|----------|--------------------|------------------|
| 1        | M1601-01           | 1                |
| 2        | ISO7380-2-M8x30-A2 | 4                |

# P11\*\*/\*



| Lp./ No | Nr kat. / Cat No   | Ilość / Q |
|---------|--------------------|-----------|
| 1       | P11**/*            | 1         |
| 2       | B-M1001-01         | 1         |
| 3       | ISO7380-2-M8x16-A2 | 1         |