

# Technical data sheet

## MMS-plus SS 12x120 hexagonal tie, with pressed washer

Item number: 3498172



Bolt tie for direct mounting without additional anchors in cracked and uncracked concrete and masonry. With hex head drive and pressed washer to accept large loads. Suitable for fastening suspended loads from suspended supports and wall brackets in wet rooms and in outdoor areas.

Construction product tested according to EAD and CE mark, with European Technical Assessment (ETA) and proof of suitability. Load-bearing capacities under fire loads proven up to fire resistance class R120.



St

Steel

VZ

galvanised

### Master data

|                     |                      |
|---------------------|----------------------|
| Item number         | 3498172              |
| Type                | MMS+ SS 12x120       |
| Description 1       | Hexagon head anchor  |
| Description 2       | with combined washer |
| Manufacturer        | OBO                  |
| Dimension           | 12x120               |
| Colour              | zinc                 |
| Material            | Steel                |
| Surface             | galvanised           |
| Surface standard    |                      |
| Smallest sales unit | 25                   |
| Unit of quantity    | Piece                |
| Weight              | 8.9 kg               |
| Weight unit         | kg/100 pc.           |

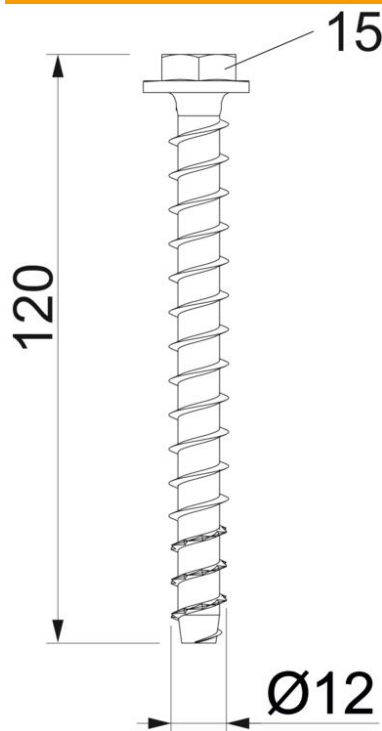
# Technical data sheet

## MMS-plus SS 12x120 hexagonal tie, with pressed washer

Item number: 3498172



### Dimensions



|             |        |
|-------------|--------|
| Dimension   | 12x120 |
| Length      | 120 mm |
| Dimension L | 120 mm |

### Technical data

|                                  |                  |
|----------------------------------|------------------|
| Anchor/nail/bolt version         | Spiral anchor    |
| Drill hole depth                 | 85 mm            |
| Drill hole diameter, min.        | 10 mm            |
| Hardened                         | yes              |
| Thread                           | 12               |
| Thread diameter ST               | 12               |
| Clamping strength                | 45 mm            |
| Head diameter                    | 22 mm            |
| Head shape                       | Hexagonal        |
| WAF                              | 15               |
| Screw system                     | Hexagonal        |
| ETA earthquake rating            | C1               |
| Fire resistance class EN 13501-1 | R30 R60 R90 R120 |