

# WDI2-L Drop-in Anchors

## Product overview

The WDI2-L lipped drop-in anchors are easy to install and versatile deformation-controlled anchors for medium loads. They are approved for multiple use for non-structural applications in concrete.



Fire Resistance  
R120



Anchor Software

Material  
Steel, zinc plated

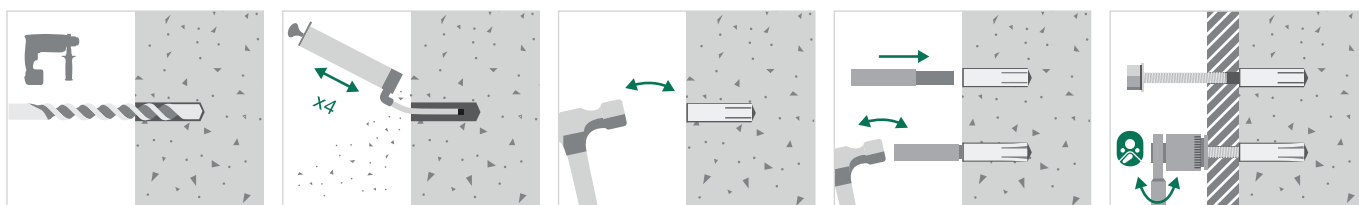


## Features and benefits

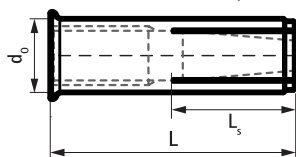
- Deformation controlled expansion anchor made of galvanized steel for multiple use for non-structural applications in concrete.
- Collar with a lip for flush anchor setting at any hole depth.
- Simple and quick installation procedure.
- Fire resistance class R30-R120 for design of anchorages under exposure to fire.
- Medium load capacity.

## Substrate type

- Non-cracked concrete
- Cracked concrete



## Product information



| Part No.   | Description   | Anchor Size | $d_{nom}$ (mm) | L (mm) | $L_s$ (mm) | Box qty (pcs) |
|------------|---------------|-------------|----------------|--------|------------|---------------|
| 6103310625 | WDI2-L M6x25  | M6          | 8.00           | 25.00  | 12         | 100           |
| 6103310830 | WDI2-L M8x30  | M8          | 10.00          | 30.00  | 14         | 100           |
| 6103311040 | WDI2-L M10x40 | M10         | 12.00          | 40.00  | 19         | 50            |
| 6103311250 | WDI2-L M12x50 | M12         | 15.00          | 50.00  | 23         | 50            |
| 6103311665 | WDI2-L M16x65 | M16         | 20.00          | 65.00  | 30         | 25            |

## Design loads

ETA-22/0629 – Mechanical fasteners for use in concrete.

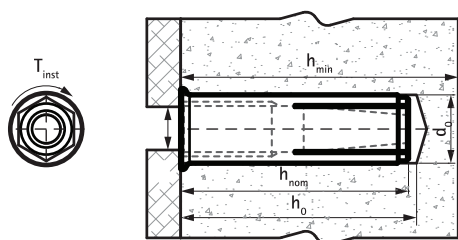
### Design tension load in C20/25

#### Concrete

| Part No.   | Description   | $N_{ds}$ (kN) | ETA         |
|------------|---------------|---------------|-------------|
| 6103310625 | WDI2-L M6x25  | 1.70          | ETA-22/0629 |
| 6103310830 | WDI2-L M8x30  | 2.50          | ETA-22/0629 |
| 6103311040 | WDI2-L M10x40 | 3.60          | ETA-22/0629 |
| 6103311250 | WDI2-L M12x50 | 5.40          | ETA-22/0629 |
| 6103311665 | WDI2-L M16x65 | 8.60          | ETA-22/0629 |

Recommended loads: apply to correctly installed anchors at maximum embedment depth; include partial safety factor and an overall partial safety factor for action of 1.4. The partial safety factor for action depends on the type of loading and shall be taken from national regulations. All anchor failure modes and the entire relevant product European Technical Assessment must be considered for anchor design.

## Installation data



| Part No.   | Description   | $d_0$ (mm) | $\geq h_0$ (mm) | $h_{min}$ (mm) | $h_{nom}$ (mm) | $c_{min}$ (mm) | $s_{min}$ (mm) | $T_{inst}$ (Nm) | ETA         |
|------------|---------------|------------|-----------------|----------------|----------------|----------------|----------------|-----------------|-------------|
| 6103310625 | WDI2-L M6x25  | 8          | 25              | 100            | 25             | 110            | 120            | 4               | ETA-22/0629 |
| 6103310830 | WDI2-L M8x30  | 10         | 30              | 100            | 30             | 140            | 130            | 8               | ETA-22/0629 |
| 6103311040 | WDI2-L M10x40 | 12         | 40              | 120            | 40             | 90             | 120            | 15              | ETA-22/0629 |
| 6103311250 | WDI2-L M12x50 | 15         | 50              | 140            | 50             | 140            | 130            | 35              | ETA-22/0629 |
| 6103311665 | WDI2-L M16x65 | 20         | 65              | 160            | 65             | 125            | 140            | 60              | ETA-22/0629 |