

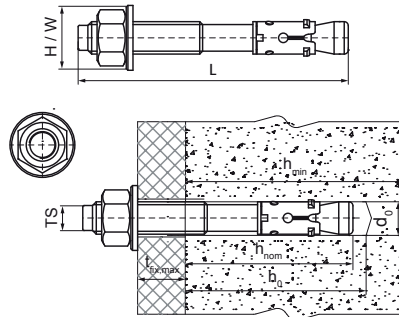
# Walraven WTB7 Throughbolt Anchor

(L0345)

high performance expansion anchor for non-cracked concrete

## Features & benefits

- high load capacity
- pre- and through-fixing
- two embedment depths provide installation flexibility
- material: steel
- zinc plated
- ETA Option 7 approval for non-cracked concrete
- substrate type: non-cracked concrete, stone
- for loads and more information, refer to the product data sheet and/or the ETA report



| Productnumber    | Thread Size | Total Length | Drill Hole Diameter | Drill Hole Depth | Minimum Substrate Thickness | Maximum Fixture Thickness | Standard Embedment Depth | Recommended Load In Uncracked Concrete C20/25 | Total Height | Total Width |
|------------------|-------------|--------------|---------------------|------------------|-----------------------------|---------------------------|--------------------------|-----------------------------------------------|--------------|-------------|
| Reference Letter | TS          | L            | d0                  | h0               | hmin                        | tfix,max                  | hnom                     |                                               | H            | W           |
| Unit description |             | mm           | mm                  | mm               | mm                          | mm                        | mm                       | N                                             | mm           | mm          |
| 609837080        | M8          | 75           | 8                   | 55               | 100                         | 10                        | 55                       | 4,760                                         | 15           | 15          |
| 609837082        | M8          | 115          | 8                   | 55               | 100                         | 50                        | 55                       | 4,760                                         | 15           | 15          |
| 609837101        | M10         | 115          | 10                  | 59               | 100                         | 45                        | 59                       | 4,760                                         | 19           | 19          |
| 609837102        | M10         | 130          | 10                  | 59               | 100                         | 60                        | 59                       | 4,760                                         | 19           | 19          |
| 609837120        | M12         | 100          | 12                  | 80               | 136                         | 5                         | 80                       | 9,920                                         | 21           | 21          |
| 609837121        | M12         | 120          | 12                  | 80               | 136                         | 25                        | 80                       | 9,920                                         | 21           | 21          |
| 609837122        | M12         | 150          | 12                  | 80               | 136                         | 55                        | 80                       | 9,920                                         | 21           | 21          |
| 609837123        | M12         | 180          | 12                  | 80               | 136                         | 85                        | 80                       | 9,920                                         | 21           | 21          |
| 609837160        | M16         | 150          | 16                  | 100              | 170                         | 30                        | 100                      | 15,710                                        | 26           | 26          |