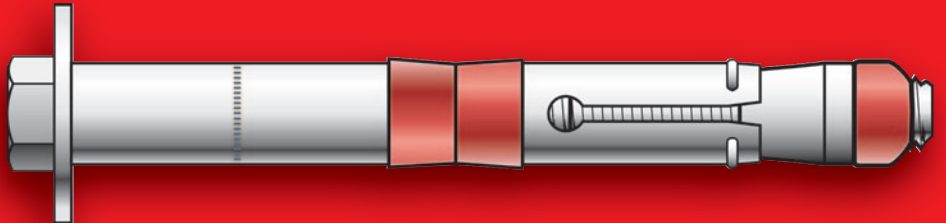


# Which anchor offers immediate high strength loading in various base materials?

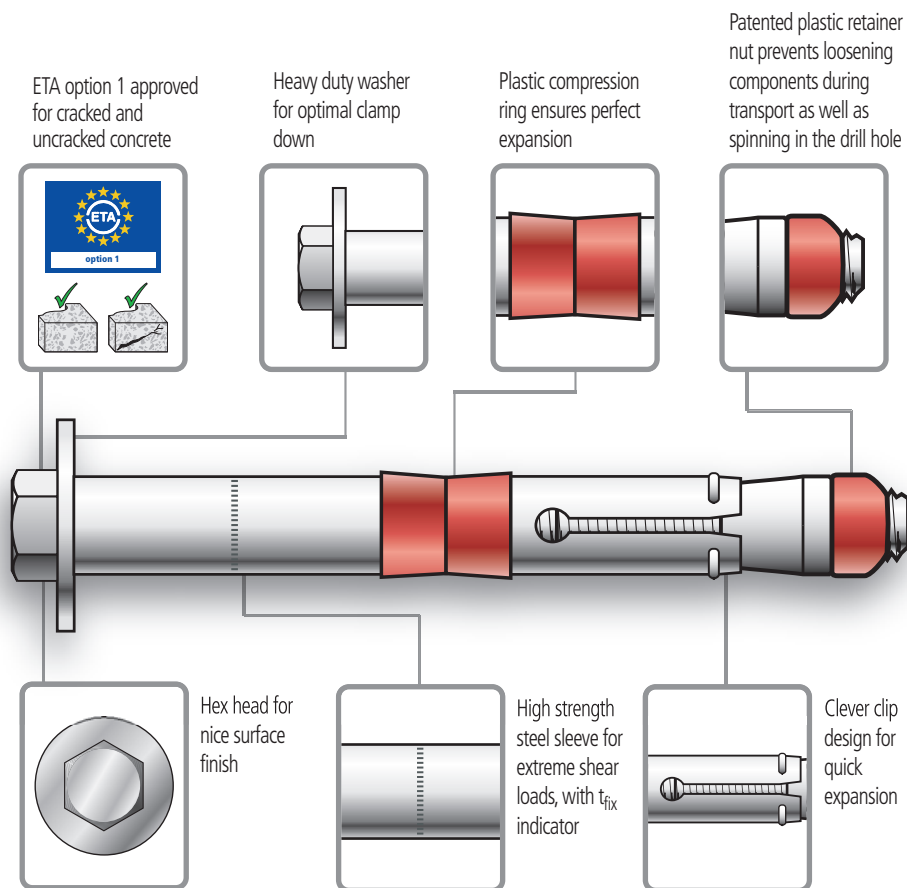


**Mechanical  
Anchors**

## **PB-PRO**



## PB-PRO: for immediate high strength loading in various base materials



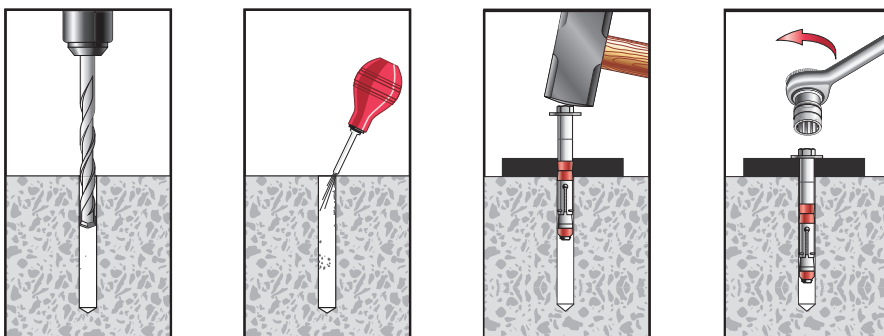
### Approvals and test reports



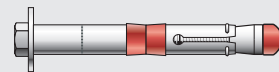
### Suitable base materials



### Installation instruction



### Available range



#### PB-PRO

Zinc plated

##### SIZES:

12-M8/10 to 12-M8/50  
15-M10/5 to 15-M10/85  
18-M12/5 to 18-M12/85  
24-M16/20 to 24-M16/50



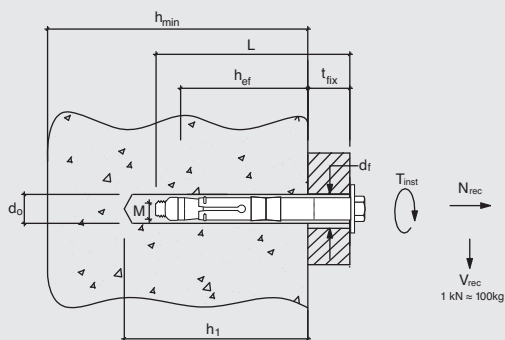
#### PB-SS-PRO

A4 steel

##### SIZES:

12-M8/10 and 12-M8/20





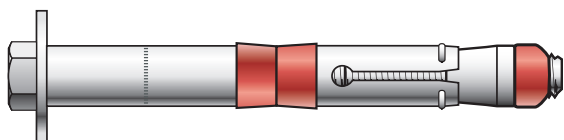
Loading data cracked and uncracked concrete (ETA12-0174)

| Type               | L   | d <sub>0</sub> | d <sub>f</sub> | h <sub>ef</sub> | h <sub>1</sub> | t <sub>fix</sub> | T <sub>inst</sub> | h <sub>min</sub> |     | min edge C <sub>min</sub> | spacing s for C <sub>min</sub> | min spacing S <sub>min</sub> | edge c for S <sub>min</sub> | uncracked concrete N <sub>rec</sub> |      | cracked concrete N <sub>rec</sub> |     | V <sub>rec</sub> |
|--------------------|-----|----------------|----------------|-----------------|----------------|------------------|-------------------|------------------|-----|---------------------------|--------------------------------|------------------------------|-----------------------------|-------------------------------------|------|-----------------------------------|-----|------------------|
|                    |     |                |                |                 |                |                  |                   | max              | min |                           |                                |                              |                             | max                                 | min  | max                               | min |                  |
| PB-PRO 12-M8/10    | 84  | 12             | 14             | 60              | 95             | 10               | 30                | 120              |     | 80                        | 140                            | 65                           | 140                         | 5,7                                 |      | 5,7                               |     | 10,1             |
| PB-PRO 12-M8/30    | 104 | 12             | 14             | 60              | 95             | 30               | 30                | 120              |     | 80                        | 140                            | 65                           | 140                         | 5,7                                 |      | 5,7                               |     | 10,1             |
| PB-PRO 12-M8/50    | 124 | 12             | 14             | 60              | 95             | 50               | 30                | 120              |     | 80                        | 140                            | 65                           | 140                         | 5,7                                 |      | 5,7                               |     | 10,1             |
| PB-PRO 15-M10/5    | 95  | 15             | 17             | 70              | 110            | 5                | 45                | 140              |     | 100                       | 180                            | 65                           | 150                         | 11,3                                |      | 7,6                               |     | 15,9             |
| PB-PRO 15-M10/25   | 115 | 15             | 17             | 70              | 110            | 25               | 45                | 140              |     | 100                       | 180                            | 65                           | 150                         | 11,3                                |      | 7,6                               |     | 15,9             |
| PB-PRO 15-M10/45   | 135 | 15             | 17             | 70              | 110            | 45               | 45                | 140              |     | 100                       | 180                            | 65                           | 150                         | 11,3                                |      | 7,6                               |     | 15,9             |
| PB-PRO 15-M10/85   | 175 | 15             | 17             | 70              | 110            | 85               | 45                | 140              |     | 100                       | 180                            | 65                           | 150                         | 11,3                                |      | 7,6                               |     | 15,9             |
| PB 18-M12/5*       | 90  | 18             | 20             | 64              | 125            | 5                | 90                | 160              |     | 120                       | 220                            | 100                          | 220                         |                                     | 11,9 | 7,6                               |     | 21,7             |
| PB-PRO 18-M12/5    | 106 | 18             | 20             | 80              | 125            | 5                | 90                | 160              |     | 120                       | 220                            | 100                          | 220                         | 14,3                                |      | 9,5                               |     | 21,7             |
| PB-PRO 18-M12/35   | 136 | 18             | 20             | 80              | 125            | 35               | 90                | 160              |     | 120                       | 220                            | 100                          | 220                         | 14,3                                |      | 9,5                               |     | 21,7             |
| PB-PRO 18-M12/55   | 156 | 18             | 20             | 80              | 125            | 55               | 90                | 160              |     | 120                       | 220                            | 100                          | 220                         | 14,3                                |      | 9,5                               |     | 21,7             |
| PB-PRO 18-M12/85   | 186 | 18             | 20             | 80              | 125            | 85               | 90                | 160              |     | 120                       | 220                            | 100                          | 220                         | 14,3                                |      | 9,5                               |     | 21,7             |
| PB-PRO 24-M16/20   | 148 | 24             | 26             | 100             | 155            | 20               | 130               | 200              |     | 140                       | 230                            | 130                          | 240                         | 16,7                                |      | 14,3                              |     | 33,4             |
| PB-PRO 24-M16/50   | 178 | 24             | 26             | 100             | 155            | 50               | 130               | 200              |     | 140                       | 230                            | 130                          | 240                         | 16,7                                |      | 14,3                              |     | 33,4             |
| PB-SS-PRO 12-M8/10 | 84  | 12             | 14             | 60              | 95             | 10               | 30                | 200              |     | 140                       | 230                            | 130                          | 240                         | 16,7                                |      | 14,3                              |     | 33,4             |
| PB-SS-PRO 12-M8/20 | 94  | 12             | 14             | 60              | 95             | 20               | 30                | 200              |     | 140                       | 230                            | 130                          | 240                         | 16,7                                |      | 14,3                              |     | 33,4             |

\* No ETA

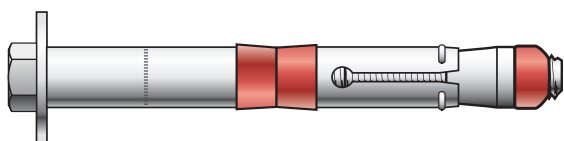


## PB-PRO range overview



### PB-PRO high load anchor - hex head, zinc plated

| Type             | Art. Nr. |  |  |
|------------------|----------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| PHL-PRO 12-M8/10 | 27462    | 50                                                                                | 200                                                                               |
| PB-PRO 12-M8/30  | 27464    | 50                                                                                | 200                                                                               |
| PB-PRO 12-M8/50  | 27466    | 25                                                                                | 100                                                                               |
| PB-PRO 15-M10/5  | 27468    | 25                                                                                | 100                                                                               |
| PB-PRO 15-M10/25 | 27470    | 25                                                                                | 100                                                                               |
| PB-PRO 15-M10/45 | 27472    | 25                                                                                | 100                                                                               |
| PB-PRO 15-M10/85 | 27474    | 20                                                                                | 80                                                                                |
| PB 18-M12/5      | 27476    | 10                                                                                | 40                                                                                |
| PB-PRO 18-M12/5  | 27478    | 10                                                                                | 40                                                                                |
| PB-PRO 18-M12/35 | 27480    | 10                                                                                | 40                                                                                |
| PB-PRO 18-M12/55 | 27482    | 10                                                                                | 40                                                                                |
| PB-PRO 18-M12/85 | 27484    | 10                                                                                | 40                                                                                |
| PB-PRO 24-M16/20 | 27486    | 10                                                                                | 40                                                                                |
| PB-PRO 24-M16/50 | 27488    | 10                                                                                | 40                                                                                |



### PB-PRO high load anchor - hex head, A4 steel

| Type               | Art. Nr. |  |  |
|--------------------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| PB-SS-PRO 12-M8/10 | 27500    | 50                                                                                  | 200                                                                                 |
| PB-SS-PRO 12-M8/20 | 27502    | 50                                                                                  | 200                                                                                 |

Your Powers Dealer:



EN\_BRO\_PB-PRO\_404-1-1-1  
ArtNo. 61244

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