

# PLASTIC FRAME-FIXING ANCHOR W-UR 10

42.2

| Mounting characteristic values for concrete and masonry |                             |                |
|---|-----------------------------|----------------|
| <b>Anchor diameter [mm]</b>                             |                             | <b>W-UR 10</b> |
| <b>Nom. drill dia.</b>                                  | <b>d<sub>0</sub> [mm]</b>   | 10             |
| <b>Drill cutting dia.</b>                               | <b>d<sub>cut</sub> [mm]</b> | 10.45          |
| <b>Drill hole depth</b>                                 | <b>h<sub>1</sub> [mm]</b>   | 80             |
| <b>Setting depth of the anchor sleeve</b>               | <b>h<sub>nom</sub> [mm]</b> | 70             |
| <b>Through-hole in attachment part</b>                  | <b>d<sub>f</sub> [mm]</b>   | 10.5           |

| Concrete: ETA-08/0190, Multiple attachment of non-load-bearing systems   |                                       |  |      |
|--|---------------------------------------|--|------|
| <b>Anchor diameter [mm]</b>  |                                       | <b>W-UR 10</b>                             |      |
| <b>Central tensile load<sup>1)</sup></b><br>for single anchor or anchor group                                      | <b>N<sub>perm</sub> = C12/15 [kN]</b> | <b>30°C<sup>2)</sup>/50°C<sup>3)</sup></b> | 1.0  |
|  |                                       | <b>50°C<sup>2)</sup>/80°C<sup>3)</sup></b> | 1.0  |
|  | <b>N<sub>perm</sub> = C16/20 [kN]</b> | <b>30°C<sup>2)</sup>/50°C<sup>3)</sup></b> | 1.6  |
|  |                                       | <b>50°C<sup>2)</sup>/80°C<sup>3)</sup></b> | 1.4  |
| <b>Transverse load<sup>1)</sup></b><br>Galvanized steel<br>Stainless steel A4<br>for single anchor or anchor group | <b>V<sub>perm</sub> = C12/15 [kN]</b> |  | 5.37 |
|  |                                       |  | 4.99 |

**Masonry<sup>4)</sup>**: ETA-08/0190, Multiple attachment of non-load-bearing systems (temperature range: 50°C<sup>2)</sup>/80°C<sup>3)</sup>)  
Other brick types, raw densities, minimum compressive strengths or temperature ranges can be found in the ETA-08/0190 approval

|  | <b>Brick format [mm]</b>   | <b>Raw density class [kg/dm<sup>3</sup>]</b> | <b>Minimum compressive strength [N/mm<sup>2</sup>]</b> | <b>F<sub>perm</sub> [kN]<sup>5)</sup> (for single anchor or anchor group) W-UR 10</b> |
|--|----------------------------|--|--|---|
| <b>Clay brick Mz</b> ,<br>EN 771-1, DIN 105  | ≥ NF (≥ 240 x 115 x 71)    | ≥ 1.8  | 28   | 0.86  |
|  |                            |  | 36   | 1.14  |
| <b>Solid sand-lime brick KS</b> ,<br>EN 771-2, DIN 106   | ≥ NF (≥ 240 x 115 x 71)    | ≥ 2.0  | 10   | 0.43  |
|  |                            |  | 20   | 0.71  |
|  |                            |  | 28   | 1.0   |
| <b>Solid brick, normal concrete Vbn</b> ,<br>EN 771-3, DIN 18152   | ≥ NF (≥ 240 x 115 x 71)    | ≥ 2.0  | 10   | 0.57  |
|  |                            |  | 20   | 0.86  |
|  |                            |  | 28   | 1.29  |
| <b>Vertically-perforated brick HLz<sup>6)</sup></b> ,<br>EN 771-1, DIN 105-1<br>e.g. Wienerberger, Schlagmann          | ≥ 2DF (≥ 240 x 115 x 113)  | ≥ 1.2  | 8  | 0.21  |
|  |                            |  | 12   | 0.34  |
|  |                            |  | 20   | 0.57  |
| <b>Vertically-perforated brick POROTON T8-30<sup>6)</sup></b> ,<br>EN 771-1, Z-17.1-982 Wienerberger, Schlagmann       | ≥ 248 x 300 x 249          | ≥ 0.6  | 6  | 0.26  |
| <b>Vertically-perforated brick POROTON S11-36.5<sup>6)</sup></b> ,<br>EN 771-1, Z-17.1-812 Wienerberger, Schlagmann    | ≥ 248 x 365 x 249          | ≥ 0.9  | 6  | 0.43  |
| <b>Perforated sand-lime brick KSL<sup>6)</sup></b> ,<br>EN 771-2, DIN 106-1<br>e.g. Xella                              | ≥ 2DF (≥ 240 x 115 x 113)  | ≥ 1.6  | 10   | 0.43  |
|  |                            |  | 12   | 0.57  |
|  |                            |  | 16   | 0.71  |
|  |                            |  | 10   | 0.34  |
| ≥ 8DF (≥ 249 x 240 x 238)  | ≥ 1.4                      | 12   | 0.43   |   |
|  |                            | 16   | 0.57   |   |
|  |                            | 2  | 0.09   |   |
|  |                            | 4  | 0.17   |   |
| <b>Hollow block of lightweight concrete 3K Hbl</b> ,<br>EN 771-3, DIN 18151 <sup>6)</sup><br>e.g. Liapor               | ≥ 16DF (≥ 498 x 240 x 238) | ≥ 0.7  | 6  | 0.26  |
|  |                            |  | 2  | 0.17  |
|  |                            |  | 4  | 0.34  |
| <b>Vertically-perforated brick made of light-weight concrete Liapor-Super-K<sup>6)</sup></b> ,<br>EN 771-3, Z-17.1-501 | ≥ 16DF (≥ 495 x 240 x 238) | ≥ 0.8  | 2  | 0.17  |
|  |                            |  | 4  | 0.34  |
| <b>Aerated concrete AAC</b>  |                            |  | 2  | 0.21  |
|  |                            |  | 7  | 0.88  |

| Anchor dimensions  |  |                |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
|--|--|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Anchor diameter</b>   | <b>[mm]</b>  | <b>W-UR 10</b> |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
| <b>Total length</b>  | <b>l [mm]</b>  | 80             | 100        | 115        | 135        | 160        | 185        | 200        | 230        | 260        | 290        | 320        |            |            |            |            |            |            |            |            |            |            |            |
| <b>Max. attachment height</b>  | <b>t<sub>fix</sub> [mm]</b>  | 10             | 30         | 45         | 65         | 90         | 115        | 130        | 160        | 190        | 220        | 250        |            |            |            |            |            |            |            |            |            |            |            |
| <b>Art. No.</b><br>Plastic frame-fixing anchor W-UR 10<br>with countersunk screw<br>Galvanized steel<br>Stainless steel A4                       | W-UR 10 and<br>W-UR 10 A4:<br><b>Drive AW<sup>®</sup>40</b>                                    | 0912810401     | 0912810501 | 0912810402 | 0912810502 | 0912810403 | 0912810503 | 0912810404 | 0912810504 | 0912810405 | 0912810505 | 0912810406 | 0912810506 | 0912810407 | 0912810507 | 0912810408 | 0912810508 | 0912810409 | 0912810509 | 0912810410 | 0912810510 | 0912810411 | 0912810511 |
| <b>Packing unit</b>  | <b>P. Qty. [pieces]</b>  | 50             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
| <b>Art. No.</b><br>Plastic frame-fixing anchor W-UR F 10<br>with hexagon bolt and pressed-on<br>washer<br>Galvanized steel<br>Stainless steel A4 | W-UR F 10:<br><b>Drive AW<sup>®</sup>40<br/>and 13 mm</b><br><br>W-UR F 10 A4:<br><b>13 mm</b> | 0912810601     | 0912810701 | 0912810602 | 0912810702 | 0912810603 | 0912810703 | 0912810604 | 0912810704 | 0912810605 | 0912810705 | 0912810606 | 0912810706 | 0912810607 | 0912810707 | 0912810608 | 0912810708 | 0912810609 | 0912810709 | 0912810610 | 0912810710 | 0912810611 | 0912810711 |
| <b>Packing unit</b>  | <b>P. Qty. [pieces]</b>  | 40             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |

Can be stored in ORSY<sup>®</sup> System

1) The part-safety coefficients of the resistances regulated in the approval and a part-safety coefficient of the effects of  $\gamma_f = 1.4$  have been taken into account.  
In case of a combination of tensile and transverse loads, please observe ETAG 020 Appendix C.

2) Maximum long-term temperature.

3) Maximum short-term temperature.

4) Other brick types, raw densities, minimum compressive strengths and temperature ranges can be found in the ETA-08/0190 approval.

5) The brick geometry should be compared with the ETA-08/0190 approval.

6) If the drill hole is created through impacting or hammering, the permissible load is to be determined via tests on the building.