

PLASTIC FRAME-FIXING ANCHOR W-UR8

42.1

Multiple attachment of non load-bearing systems: Concrete, solid and perforated bricks and aerated concrete



W-UR 8 with countersunk screw

- Galvanized steel
- Stainless steel A4

W-UR F 8

with hexagon screw + pressed-on washer

- Galvanized steel
- Stainless steel A4

W-UR F 8 with panhead screw

- Galvanized steel
- Stainless steel A4

W-UR F 8 with connecting thread M6 + M8

- Galvanized steel
- Stainless steel A4

Evidence of Performance

Approvals		Test Reports
European Technical Approval Multiple attachment of non load-bearing systems in concrete and masonry W-UR (F) 8	Facade Covering W-UR 8, W-UR F 8	Fire Resistance Concrete and masonry

Good to know:

- Drill perforated and hollow blocks in rotating gear (without impact mechanism).
- For anchoring in solid brick and solid sand-lime brick, we recommend that you perform pull-out tests due to the differences in brick manufacturing.
- Drilling dust is to be removed from the drill hole.

- Minimal insertion torque of the anchor screw → "Slight" spreading of the anchor, almost no turning of the anchor sleeve
- 2 setting depths ($h_{nom} = 50 + 70$ mm): **Concrete** \geq C12/15; **Solid brick** \geq Mz 10 (\geq NF); **Vertically perforated brick** \geq HLz 8 (\geq 2DF); **Solid sand-lime brick** \geq KS 10 (\geq NF); **Perforated sand-lime brick** \geq KS L 6 (\geq 2DF); **Perforated sand-lime brick** \geq KS L 6 (\geq 12DF); **Normal concrete solid bricks** \geq Vbn 10 (\geq NF); **Lightweight concrete solid bricks** \geq V 2 (\geq NF)
- Spreading in four directions → High loads
- Improved power transmission: Even, continuous load distribution across the entire spreading area
- Universal frame-fixing anchor (concrete, masonry of perforated and solid brick, aerated concrete)
- The knock-in lock prevents premature spreading of the anchor during installation
- The anchor sleeve and special screw are pre-mounted → Less mounting effort
- Anchor type W-UR F means an additional washer is not required and prevents contact corrosion
- Improved transmission of force in solid and hollow construction materials

1. Applications

- The anchor may be used with a European technical approval for the multiple attachment of non-load-bearing systems (e.g. facade, suspended ceiling, etc.)
- W-UR, W-UR F may be anchored in the following anchoring bases:
 - normal concrete**
 - masonry walls** (solid bricks, solid sand-lime bricks, vertically perforated bricks, perforated sand-lime bricks, hollow blocks made of lightweight concrete, solid stones and solid blocks of lightweight concrete, masonry stones made of concrete)
 - Brick ceilings, hollow pre-stressed concrete panels, reinforced concrete, gypsum wall panels**
- Installation temperatures:
 - Temperature in anchoring base: $\geq -40^\circ\text{C}$
 - Temperature of anchor sleeve: $\geq 0^\circ\text{C}$
- The stainless-steel screw may be used outdoors and in industrial atmospheres and near the sea
- The galvanized screw may be used outdoors or in damp rooms (careful installation) if the area near the screw head is protected against moisture or driving rain so that penetration of moisture into the anchor shaft is not possible (suitable paint).
- Suitable for the attachment of facade, ceiling, or roof substructures (made of wood or steel), wood beams, wood laths, metal brackets, metal rails, suspended ceilings, cable routes, angle brackets, profiles, wall-mounted cabinets, shelf units, etc.

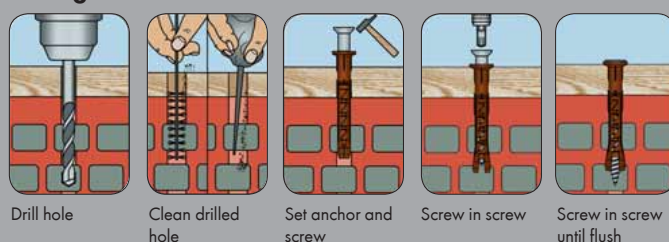
2. Advantages

- Through-bolt mounting
- Can be loaded immediately - no waiting time

3. Properties

- Anchoring via friction engaging between anchor sleeve and anchor surface
- W-UR 8, W-UR F 8 (galvanized steel, stainless steel):
 - General construction permit Z-21.2-1838
- W-UR 8 and W-UR F 8 (galvanized steel, stainless steel):
 - European Technical Approval ETA-08/0190
- The anchor sleeve is made of high-quality polyamide
- Fire resistance W-UR 8:
 - Concrete:** Tensile and transverse load, **R30, R60, R90, R120** (based on Technical Report TR 020)
 - Masonry:** Tensile load: **F30** (solid sand-lime bricks, solid bricks, perforated sand-lime bricks)
 - Transverse load: **F30, F60, F90, F120** (vertically perforated bricks, perforated sand-lime bricks, solid bricks, aerated concrete)

Setting Instructions I



Setting Instructions II

