

PLASTIC FRAME-FIXING ANCHOR W-UR 8

42.1

Mounting characteristic values for concrete and masonry			
Anchor diameter [mm]		W-UR 8	
Nom. drill dia.	d ₀ [mm]	8	
Drill cutting dia.	d _{cut} ≤ [mm]	8.45	
Drill hole depth	h _i ≥ [mm]	60 ¹⁾	80
Setting depth of the anchor sleeve	h _{nom} [mm]	50 ¹⁾	70
Through-hole in attachment part	d _r ≤ [mm]	8.5	

Concrete: ETA-08/0190, Multiple attachment of non-load-bearing systems					
Anchor diameter [mm]		W-UR 8			
Central tensile load ¹⁾ for single anchor or anchor group	N _{perm} = C12/15 [kN]	30 °C ²⁾ /50 °C ³⁾	1.2	1.6	
		50 °C ²⁾ /80 °C ³⁾	1.0	1.4	
	N _{perm} ≥ C16/20 [kN]	30 °C ²⁾ /50 °C ³⁾	1.8	2.4	
		50 °C ²⁾ /80 °C ³⁾	1.4	2.0	
Transverse load ¹⁾ Galvanized steel Stainless steel A4 for single anchor or anchor group	V _{perm} ≥ C12/15 [kN]		3.37	3.16	3,37

Masonry⁴⁾: ETA-08/0190, Multiple attachment of non-load-bearing systems (temperature range: 50 °C²⁾/80 °C³⁾)
Other brick types, raw densities, minimum compressive strengths or temperature ranges can be found in the ETA-08/0190 approval.

	Brick format [mm]	Raw density class [kg/dm ³]	Minimum compressive strength [N/mm ²]	F _{perm} [kN] ⁵⁾ (for single anchors or anchor groups) W-UR 8 h _{ef} = 50 to 69 mm/h _{ef} = 70 mm	
				W-UR 8	h _{ef} = 70 mm
Clay brick Mz, EN 771-1, DIN 105	≥ NF (≥ 240 x 115 x 71)	≥ 1.8	28	0.71	0.86
			36	1.0	1.14
			10	0.43	0.43
Solid sand-lime brick KS, EN 771-2, DIN 106	≥ NF (≥ 240 x 115 x 71)	≥ 2.0	20	0.57	0.71
			28	0.86	1.0
			10	0.43	0.43
Solid normal concrete brick Vbn, EN 771-3, DIN 18152	≥ NF (≥ 240 x 115 x 71)	≥ 2.0	20	0.71	0.71
			28	1.0	1.0
			10	0.43	0.43
Vertically perforated brick HLz ⁶⁾ , EN 771-1, DIN 105-1 e.g. Wienerberger, Schlagmann	≥ 2DF (≥ 240 x 115 x 113)	≥ 1.2	8	0.14	0.21
			12	0.21	0.26
			20	0.34	0.43
Vertically perforated brick POROTON S11-36.5 ⁶⁾ , EN 771-1, Z-17.1-812 Wienerberger, Schlagmann	≥ 248 x 365 x 249	≥ 0.9	6	-	0.57
			10	-	0.17
Vertically perforated brick UNIPOR WS14, UNIPOR WS12 CORISO EN 771-1, Z-17.1-883 Unipor-Ziegel Marketing GmbH	≥ 10DF (≥ 247 x 300 x 249)	≥ 0.8	12	-	0.21
			10	0.26	0.57
Perforated sand-lime brick KSL ⁶⁾ , EN 771-2, DIN 106-1 e.g. Xella	≥ 2DF (≥ 240 x 115 x 113)	≥ 1.6	12	0.26	0.71
			16	0.34	0.71
			10	-	0.26
	≥ 8DF (≥ 249 x 240 x 238)	≥ 1.4	12	-	0.34
			16	-	0.43
Lightweight concrete hollow block Hbl, EN 771-3, DIN 18151 ⁶⁾ e.g. Liapor	≥ 16DF (≥ 498 x 240 x 238)	≥ 0.7	2	-	0.11
			4	-	0.26
			6	-	0.34
			2	-	0.17
Lightweight concrete hollow block Liapor-Super-K ⁶⁾ , EN 771-3, Z-17.1-501	≥ 16DF (≥ 495 x 240 x 238)	≥ 0.8	4	-	0.34
			2	-	0.14
			7	-	0.85

Anchor dimensions							
Anchor diameter	[mm]	W-UR 8					
Total length	l [mm]	60	80	100	120	140	160
Max. attachment height, h _{nom} = 50 mm ⁷⁾ / 70 mm	t _{fix} [mm]	10 ⁷⁾ / -	30 ⁷⁾ / 10	50 ⁷⁾ / 30	70 ⁷⁾ / 50	90 ⁷⁾ / 70	110 ⁷⁾ / 90
Plastic Frame-Fixing Anchor W-UR 8 with countersunk screw, galvanized steel	Art. No. Drive AW [®] 30	0912 808 402	0912 808 403	0912 808 404	0912 808 405	0912 808 406	0912 808 407
Plastic Frame-Fixing Anchor W-UR 8 A4 with countersunk screw, stainless steel A4	Art. No. Drive AW [®] 30	0912 808 502	0912 808 503	Available via S-Procurement	Available via S-Procurement	-	-
Plastic Frame-Fixing Anchor W-UR F 8 with countersunk screw and pressed-on washer, galvanized steel	Art. No. Drive AW [®] 25, 10 mm	0912 808 602	0912 808 603	0912 808 604	0912 808 605	-	-
Plastic Frame-Fixing Anchor W-UR F 8 A4 with countersunk screw and pressed-on washer, stainless steel A4	Art. No. 10 mm	0912 808 702	0912 808 703	Available via S-Procurement	Available via S-Procurement	-	-
Plastic Frame-Fixing Anchor W-UR F 8 with pan head screw, galvanized steel	Art. No. Drive AW [®] 30	0912 808 802	0912 808 803	-	-	-	-
Plastic Frame-Fixing Anchor W-UR F 8 with pan head screw, stainless steel A4	Art. No. Drive AW [®] 30	0912 808 902	0912 808 903	-	-	-	-
Plastic Frame-Fixing Anchor W-UR F 8 with M6 stud screw, galvanized steel	Art. No. 10 mm	0912 808 202	0912 808 203	-	-	-	-
Plastic Frame-Fixing Anchor W-UR F 8 with M6 stud screw, stainless steel A4	Art. No. 10 mm	0912 808 302	0912 808 303	-	-	-	-
Plastic Frame-Fixing Anchor W-UR F 8 with M8 stud screw, galvanized steel	Art. No. 10 mm	0912 808 252	0912 808 253	-	-	-	-
Packing unit	P. Qty. [pieces]	50	50	50	50	50	50

Can be stored in ORSY[®] System

¹⁾ The part safety coefficients of the resistances regulated in the approval and a part safety coefficient of the effects of γ_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.
⁷⁾ 2. Setting depth applies for the following anchoring bases: Concrete ≥ C12/15; Solid brick ≥ Mz 10 (≥ NF); Vertically perforated brick ≥ HLz 8 (≥ 2DF); Solid sand-lime brick ≥ KS 10 (≥ NF); Solid sand-lime brick ≥ KS L 6 (≥ 2DF); Perforated sand-lime brick ≥ KS L 6 (≥ 12DF); Solid normal concrete brick ≥ Vbn 10 (≥ NF); Solid lightweight concrete brick ≥ V 2 (≥ NF).