

Plastic frame anchor SHARK® UR F Zinc-plated steel

Plastic frame anchor with comprehensive ETA rating for masonry, aerated concrete and concrete. With hexagon head bolt and pressed washer made of zinc-plated steel



- Part of the SHARK® UR product family, which has been tested in connection with more than 100 building materials as part of ETA-08/0190
- The SHARK® UR 8 and 10 frame anchors are tested and approved for a total of 105 different surfaces. In addition to concrete and aerated concrete, numerous bricks are included in the current most comprehensive ETA assessment, including solid and perforated brick, hollow and solid sand-lime bricks, solid and perforated concrete bricks and hollow blocks made of lightweight concrete
- Thanks to the ingenious anchor geometry, the "teeth" spread in four directions and claw right down into the base material
- Anchorage via friction locking between anchor sleeve and base material
- Anchor sleeve made of high-quality polyamide
- Push-through installation
- Can be loaded immediately - no waiting
- Very strong anti-rotation lock
- High load-bearing capacity thanks to expansion in four directions
- Improved load transfer through even, continuous load distribution across the entire expansion area
- The hammer-in stop prevents premature expansion of the anchor during installation
- Less installation work, as the anchor sleeve and special screw are pre-assembled
- Improved load transfer in solid and hollow construction materials

42.2



Fire resistance rating	F30
Material of screw	Steel
Surface of the screw	Zinc plated
Head type	Hexagon head
Approval	ETA-08/0190

Art. no.	5912 808 602	5912 808 603	5912 808 604	5912 808 605	5912 810 601	5912 810 602
P. Qty.	50	50	50	50	40	40
Anchor diameter	8 mm	8 mm	8 mm	8 mm	10 mm	10 mm
Anchor length (l)	60 mm	80 mm	100 mm	120 mm	80 mm	100 mm
Max. attachment height (t fix)	10 mm	30 mm	50 mm	70 mm	10 mm	30 mm
Nominal drill-bit diameter (d 0)	8 mm	8 mm	8 mm	8 mm	10 mm	10 mm
Through-hole in the component to be connected (d f)	8.5 mm	8.5 mm	8.5 mm	8.5 mm	10.5 mm	10.5 mm
Attachment height (t fix 1)	10 mm	30 mm	50 mm	70 mm		
Internal drive	AW25	AW25	AW25	AW25	AW40	AW40
Drill hole depth (h 1)					80 mm	80 mm
Type description	W-UR F 8 hexagonal bolt	W-UR F 8 hexagonal bolt	W-UR F 8 hexagonal bolt	W-UR F 8 hexagonal bolt	W-UR F 10 hexagonal bolt	W-UR F 10 hexagonal bolt

Art. no.	5912 810 603	5912 810 604	5912 810 605	5912 810 606	5912 810 607	5912 810 608
P. Qty.	40/80	40	40	40	40	40
Anchor diameter	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm
Anchor length (l)	115 mm	135 mm	160 mm	185 mm	200 mm	230 mm
Max. attachment height (t fix)	45 mm	65 mm	90 mm	115 mm	130 mm	160 mm
Nominal drill-bit diameter (d 0)	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm
Through-hole in the component to be connected (d f)	10.5 mm	10.5 mm	10.5 mm	10.5 mm	10.5 mm	10.5 mm
Attachment height (t fix 1)						
Internal drive	AW40	AW40	AW40	AW40	AW40	AW40
Drill hole depth (h 1)	80 mm	80 mm	80 mm	80 mm	80 mm	80 mm
Type description	W-UR F 10 hexagonal bolt	W-UR F 10 hexagonal bolt	W-UR F 10 hexagonal bolt	W-UR F 10 hexagonal bolt	W-UR F 10 hexagonal bolt	W-UR F 10 hexagonal bolt

Mounting characteristic values for concrete and masonry for SHARK® UR 10

Anchor diameter [mm]	SHARK UR F 10	
Nom. drill Ø	d ₀ [mm]	10
Drill cutting Ø	d _{cut} ≤ [mm]	10,45
Drill hole depth	h ₁ ≥ [mm]	80
Setting depth of the wall plug body	h _{nom} [mm]	70
Through hole in attachment part	d _f ≤ [mm]	10,5

Concrete: ETA-08/0190, anchors in a redundant non-structural system			
Anchor diameter [mm]			
Central tensile load ¹⁾ for single anchors or dowel group	N _{perm} = C12/15 [kN]	30 ° C ²⁾ /50 ° C ³⁾	1,0
		50 ° C ²⁾ /80 ° C ³⁾	1,0
	N _{perm} ≥ C16/20 [kN]	30 ° C ²⁾ /50 ° C ³⁾	1,6
		50 ° C ²⁾ /80 ° C ³⁾	1,4

¹⁾ The partial safety factors of the resistances regulated in the approval and a partial safety factor of the effects of γ_F = 1.4 have been taken into account. For the combination of tensile and transverse loads, please refer to ETAG 020 Appendix C

²⁾ Maximum long-term temperature

³⁾ Maximum short-term temperature