

Amo[®] III spacing assembly screw 7.5 TYPE 3 half round head

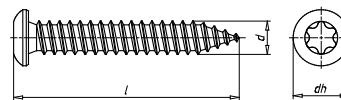
For mounting windows in concrete and solid stone masonry. With large flat head, lies cleanly on the frame and can be optimally covered with cover caps. Zinc-plated steel, blue passivated, AW30 drive.

- Positive-locking, removable anchorage with no expansion pressure
- Load-bearing function is retained, even under thermal load
- Tested fire resistance duration of 120 minutes
- Time saving – no anchor necessary
- Short installation times, as no tools are required for insertion
- AW drive for longer bit service life, improved power transmission and no ejection forces
- Through-hole mounting
- Immediate load-bearing capacity – no waiting after insertion
- Positive locking for high load-bearing capacity
- Removable
- Virtually no expansion forces on insertion



55.1

Thread diameter (d)	7.5 mm
Material	Steel
Surface	Zinc plated
Head type	Button head
Head diameter (dk)	12.5 mm
Internal drive	AW30



Length (l)	Art. no.	P. Qty.
32 mm	0234 930 32	200
42 mm	0234 930 42	200
52 mm	0234 930 52	200
62 mm	0234 930 62	200
72 mm	0234 930 72	200
82 mm	0234 930 82	200
92 mm	0234 930 92	200
102 mm	0234 930 102	200
112 mm	0234 930 112	200
122 mm	0234 930 122	200
132 mm	0234 930 132	200
152 mm	0234 930 152	200
182 mm	0234 930 182	200
212 mm	0234 930 212	100

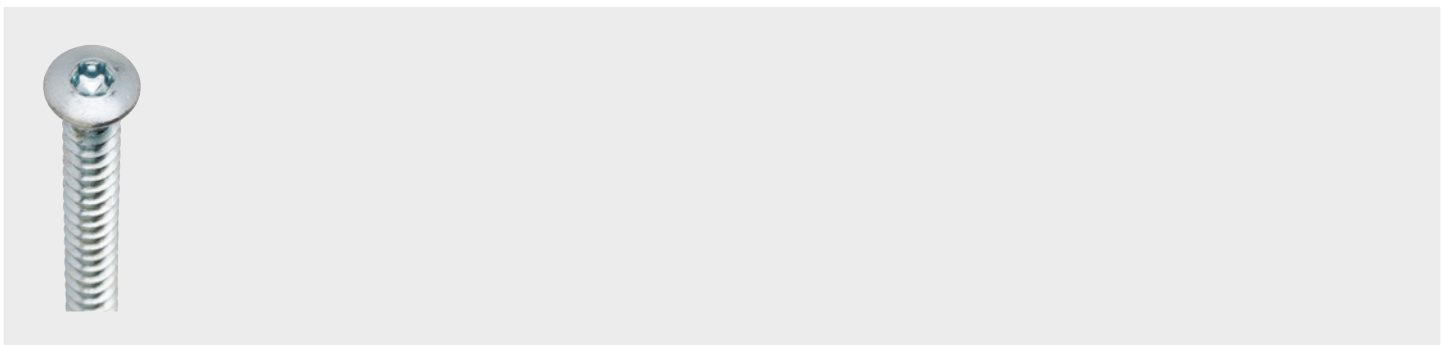
Performance data					
Anchor type			Type 1		
Fire resistance duration Concrete strength class Minimum C20/25 and at most C50/60	Centred tensile load	F30 [kN]	0,80	-	0,80
		F60 [kN]	0,55	-	0,55
		F90 [kN]	0,45	-	0,45
		F120 [kN]	0,40	-	0,40
	Transverse or diagonal pull up to 30°	F30 [kN]	0,50	0,50	0,50
		F60 [kN]	0,50	0,50	0,50
		F90 [in kN]	0,50	0,50	0,50
		F120 [kN]	0,50	0,50	0,50

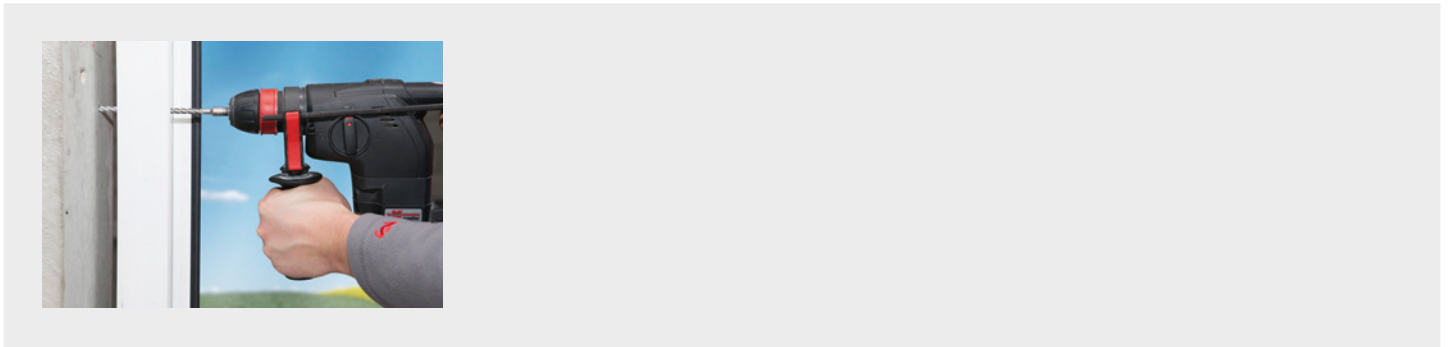
Installation parameters			
Minimum Edge spacing	Concrete Sand-lime brick, solid brick, pumice, Lightweight concrete, softwood	c_{min} [mm]	50
			60
Minimum Screw-in depth	Concrete Sand-lime brick, solid brick Pumice, lightweight concrete, softwood	h_{nom,min} [mm]	30
			50
			60
Drill hole diameter	Concrete	d₀ [mm]	6,5
	Sand-lime brick, solid brick, pumice, Light concrete		6,0
	Softwood		No pre-drilling required
	Window frame		6,2
Drill hole depth		h₁ [mm]	Screw-in depth + 10 mm + any existing plaster layer

Details/Application

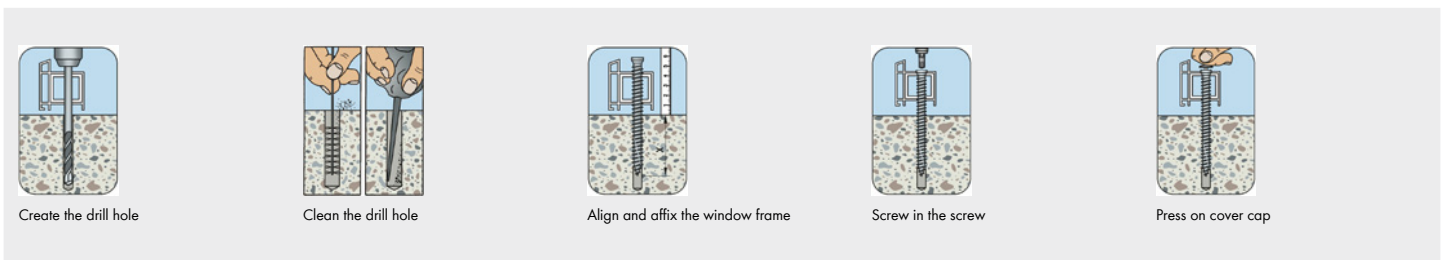
- Tension-free spaced installation for wooden, plastic and aluminium window frames
- Frame coupling
- For attaching window shackles, pivot anchors and knock-in claw fasteners (short version)

Thanks to the large flat head, the head sits cleanly against the window profile, thereby offering advantages when using cover caps





Setting instructions



Proof of performance

Fire protection test report no. 3174/0649-2 dated 12 January 2000

Test of suitability for attaching a flood-proof window in accordance with ift directive FE-07/1 conducted by the ift Rosenheim Institute. Test report no. 202 31790 dated 17 May 2006

Testing a fastening element: Evaluation of test results for practical use in window installation by the ift Rosenheim Institute. Test report no. 23511241/2 dated 13 February 1990

Test of suitability for fastening a window to a brick masonry structure by ift Rosenheim. Test report no. 50922462 dated 11 October 2000



Break-in resistance,
resistance class 3

Fire resis-
tance

Notice

Information for use

Guidelines for planning and executing the installation of windows and exterior doors, 2010 edition

Art. no. 5995 000 000:

The fixture must safely transfer all standard forces affecting the window to the structure and the foundation. The total load must therefore be calculated from e.g. the window load, wind load and working load (see DIN 1055). The currently applicable building regulations stipulate that buildings and their components must be planned in such a way that they do not endanger human life and health or pose a risk to public safety. Attachment of the windows must also comply with this criterion.

Window walls according to former DIN 18056 standard or elements with a surface greater than 9 m² and accident-proof glazing as specified in the German technical rules for safety glazing (TRAV) or

DIN 18008-4

The DIN 18056 standard applied to window walls with a minimum surface area of 9 m² and a minimum side length of 2 m on the shortest side. Anchors with a general construction permit or European Technical Approval or with individual approval should be used for this application. Similarly, only anchors with a general construction permit or European Technical Approval or with individual approval must be used to attach accident-proof glazing as specified in the German technical rules for safety glazing (TRAV) or DIN 18008-4.

Other information

It is important to check that the components are correctly installed for the specific construction conditions (e.g. weight of window casement, surface properties, hole pattern in the brick). Accident-proof glazing as specified in the German technical rules for safety glazing (TRAV) or DIN 18008-4 may only be attached with the AMO Combi screw if appropriate individual approval has been obtained before installation starts.

Drill perforated and hollow blocks with a rotary drill (without impact mechanism)

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Align window frames using alignment clamps or Amo[®] Bag

Screw length = frame width + gap + screw-in depth (see also 55.2 Amo[®] III 11.5 mm)