

### **General hazard information:**

- The screws for mounting the TV must not be too long, otherwise the TV could be damaged inside.
- Please ensure that the cables are not damaged during installation. Damaged cables must be replaced immediately to avoid short circuits.
- Screws must always be screwed in straight way. Please do not damage the threads of the screws, otherwise the stability of the product cannot be guaranteed.
- Observe the weight limit of the respective TV mount as specified:  
[www.wissmann-raumobjekte.de](http://www.wissmann-raumobjekte.de)
- TV mounts are not suitable as children's toys (damage to the product and risk of injury can be the result of improper handling)
- Claims for damage or possible warranty claims due to incorrect installation or incorrect handling cannot be made to the manufacturer.
- **Products made of glass:** observe the weight limit at  
[www.wissmann-raumobjekte.de](http://www.wissmann-raumobjekte.de).  
Caution, glass is brittle and splinters if tilted. Always place on soft surfaces. Broken or splintered glass is a risk of accidents and should therefore be disposed of immediately.
- **TV mounts with wheels:** replace stiff wheels to avoid damage to soft wooden floors.
- **TV mounts with a rotating function:** To prevent damage to the cables due to tension, insert them loosely so that the cables are not pulled too tightly when the TV is rotated. To avoid chafing of the cables, use the spiral cover as cable protection at the cable entry.
- **TV mounts with a rotating function:** If a rotation axis is stiff (TV can hardly be rotated or cannot be rotated at all), please stop using the product and contact the manufacturer immediately: [info@wissmann-raumobjekte.de](mailto:info@wissmann-raumobjekte.de)
- **TV mounts for wall mounting:** our dowels are not suitable for all types of walls. Therefore, only use dowels suitable for your wall.
- **TV mounts for wall mounting:** If the wall holes were drilled too large, be sure to use larger dowels or alternatively adhesive dowels.
- **TV mounts for wall mounting:** The load-bearing capacity of the wall must be ensured by the user (the upper screws of the wall bracket bear the weight of the TV under tensile load)

## Installation instructions: TV-mount plate art117

Before starting the installation, please read these instructions and follow step by step.

### I.) Wall installation

- 1) Stand the plate in the desired position to the wall (plate stands on the floor) and pencil the positions of the drillings.
- 2) Lower 4 screws: For fixing the product to masonry walls, use a 12 mm drill bit to drill the holes in a depth of 80 mm into the wall and insert the 4 huge wall dowels.  
Upper 4 screws: use a 9 mm drill bit to drill the holes in a depth of 90 mm into the wall and insert the 4 smaller wall dowels

**Note:** The provided dowels are for concrete, solid brick and sand lime brick wall  
**Note:** The provided dowels cannot be used for walls made out of wood or plasterboard. For aerated concrete or perforated bricks you need to stay in the dowel's load limit.

Please make sure whether the wall is strong enough to take the load of a flatscreen TV and please make sure to take the right dowels for your wall (please pay attention to description below)

**Note:** the drills for the dowels have to have the right size! If these drills are too big, it could cause a negative effect to the stability of the TV-mount.

The dowels must tightly fit into the holes in the wall.  
If necessary use 2K adhesive system for the dowels.

Most of the stress (tensile-load) is on the upper dowels and screws when the TV is swiveled forward 90°.

At the upper side of the wall mount, there are two main relevant screws with a tensile-load per screw of approximate 130% of the TV weight.

Example: TV weight 20 kg is 260 N (26 kg) per screw.

The provided dowels are not suitable for all wall materials.

UX 10 x 60 can be used with tension between 500 and 1,000 N per screw (check table below). If necessary use 2K adhesive system for the dowels.

Loads								
Universal plug UX								
Highest recommended loads <sup>1)</sup> for a single anchor. The given loads are valid for wood screws with the specified diameter.								
Type		UX 5 x 30	UX 6 x 35	UX 6 x 50	UX 8 x 40 UX 8 x 50	UX 10 x 60	UX 12 x 70	UX 14 x 75
Wood screw diameter	[mm]	4	5	5	6	8	10	12
Recommended loads in the respective base material F <sub>rec</sub> <sup>2)</sup>								
Concrete	≥ C20/25	[kN] 0.30	0.40	0.60	0.60	1.00	1.50	1.80
Solid brick	≥ Mz 12	[kN] 0.20	0.20	0.30	0.30	0.50	0.70	0.80
Perforated sand-lime brick	≥ KSL 12	[kN] 0.30	0.40	0.40	0.50	0.60	0.80	0.80
Vertically perforated brick	≥ Hlz 12	[kN] 0.20	0.20	0.20	0.20	0.20	0.30	0.40
Aerated concrete	≥ AAC 4 (G4)	[kN] 0.15	0.20	0.20	0.30	0.40	0.60	0.70
Gypsum plasterboard	12.5 mm	[kN] 0.10	0.10	0.10	0.10	0.10	-	-
Gypsum plasterboard	25 mm	[kN] 0.10	0.15	0.15	0.15	0.15	-	-
Gypsum fibreboard	(Fermacell)	[kN] 0.20	0.20	0.20	0.20	0.25	-	-
Gypsum block	ρ ≥ 0.9 kg/dm <sup>3</sup>	[kN] -	-	-	0.15	0.35	0.45	0.50

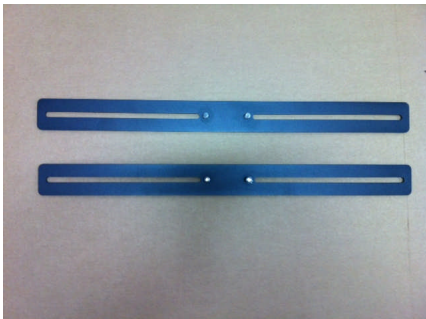
<sup>1)</sup> Required safety factors are considered.

<sup>2)</sup> Valid for tensile load, shear load and oblique load under any angle.

- 3) In the lower 4 dowels, screw in the special huge screws
- 4) Put the plate to the wall
- 5) For the upper 4 dowels, please screw in the screws 6 x 120 mm
- 6) From the frontside of the plate, screw nuts M10 to the lower 4 special screws
- 7) Cover the lower 4 screws by assembling the flat stainless steel discs.

## **II.) Installation of the flatscreen TV**

- 1) Install the flat struts horizontally to the rear of your TV by using 4 of the 8 washers (the 4 headless screws of the struts have to show away from the TV).
- 2) In very rare cases, TV have a Vesa Norm of 600 mm. In this case, please contact us. We will send a 720 mm strut to replace the 450 mm strut.



**Note:** The installation of the flat horizontal struts has to be done by using the screws provided with your television. If these screws are too short, they'll have to be replaced by longer ones.

**Note:** Please check, that the longer screws are not too long. – If the screws touch the TV inside, the TV could be damaged. NEVER use screws which are too long.

**Note:** for your support, we included 8 x M6 and M8 screws (max. 4 of these screws will be needed).

**Note:** if the cables have to be plugged into the TV behind the lower horizontal strut, please either do not use this strut or use the black plastic distance elements.

- 3) The 4 screws of the horizontal struts at the rear of the TV have now to be inserted in the vertical strut (two people should hold the TV). Adjust the TV to the position required (would help, if a third person can check that from a distance) and then screw it tight at the rear using washers and the 4 M8 nuts. Hide the nuts by using the black plastic covers.
- 4) Insert the cabling into the lower horizontal strut and lead them to the backside of the plate and down in direction to the floor.

### **Note:**

If the installation of your TV is not possible even by using one of our accessory kits, please contact us by sending a photo of the TV's backside:

info@wissmann-raumobjekte.de

We will find a solution immediately.