

Xero Twin

Assembly and operating instructions
USA & CANADA

visplay

TECHNICAL DATA SHEET XERO TWIN

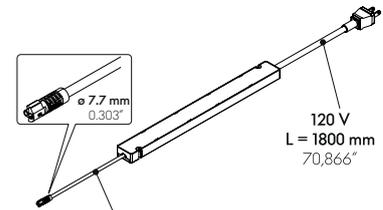
Xero Twin has a CE label and a UL certificate for U.S. and Canada.

Converter 24 V for electrified profile

Converter with input voltage 120–240 V / mains frequency: 50–60 Hz electronic protection against overload, overheating and short-circuit.

- Housing temperature max. 75 °C / max. 167 °F
- Nominal output voltage: 24 V / SELV
- Power supply with permissible nominal current of max. 4 A
- Connection cable from converter to infeed unit **500 mm/19.685"**
- Class 2

NOTICE! If dimmers are to be used, electronically controlled, low-voltage dimmers must be installed!



! Please make sure that the inspector has access to the driver

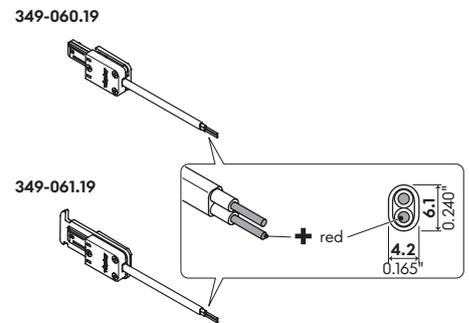


Single power adapter 24 V

Single power adapters can be used with the Xero L and Xero Twin systems. Low voltage lighting may only be connected by trained personnel.

If multiple adapters and appliances will be used, their total power consumption may not exceed the specified nominal current or fuse rating. The permissible nominal voltage and nominal current are also limited according to the adapters used (see printed label and safety information).

Permissible nominal current max. 4 A.



Product safety

Xero Twin electrification in detail: conductor rail with power supply, integrated into system support profile.

Correct functioning and safety are guaranteed when properly used. No liability is accepted in event of improper use. Product safety is based exclusively on the use of original Xero Twin accessories from Visplay.

No alterations may be made, for safety reasons; the only exception is the shortening of profiles from the upper side.

The safety instructions of the assembly instructions must be followed as well as the instructions on the labels of the individual parts.

The indicated nominal current (A) may not be exceeded.

In event of improper use or cleaning with liquids, a risk of an electric shock exists due to possibly exposed live parts. Always disconnect from power before cleaning or servicing.

If rails or adapters exhibit visible signs of damage, disconnect them immediately and inform your service technician.

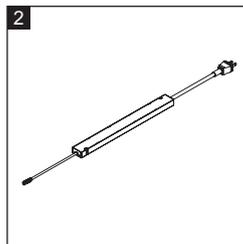
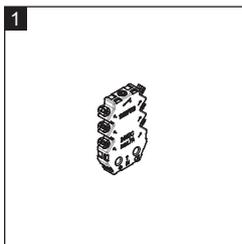
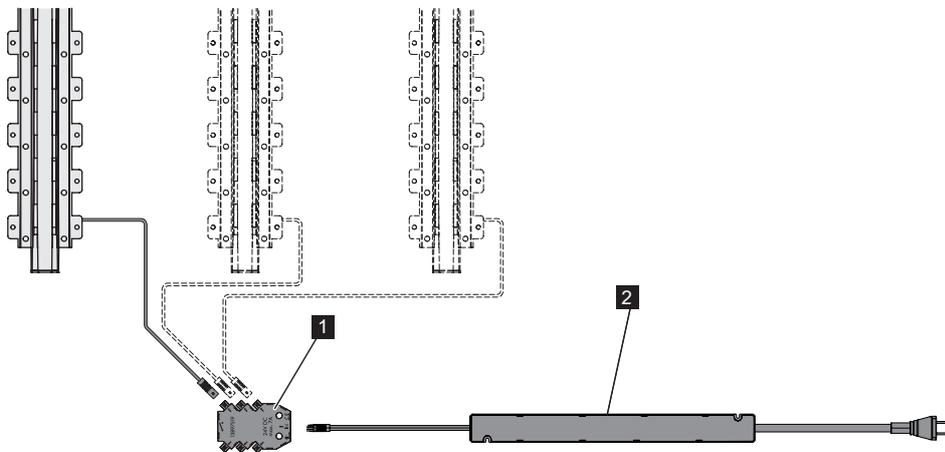
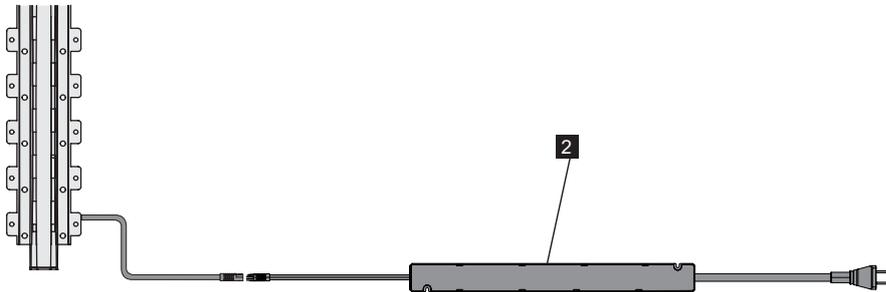
! Only use Xero Twin system accessories! Do not use any other parts.

The user is responsible for ensuring that any connected equipment is electrically, mechanically and thermally compatible with the conductor rail.

Visplay connection system

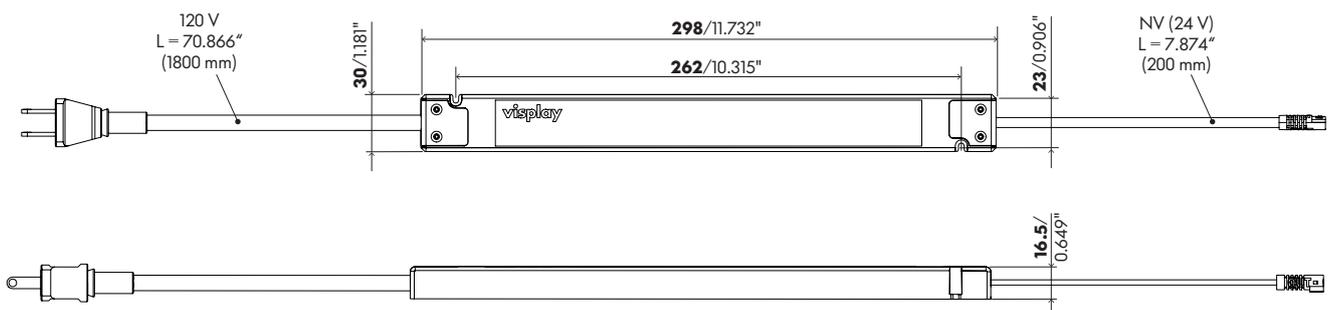
⚠ Check the power consumption of electrical appliances! The maximum power consumption should be 10% below the nominal power of the converter.

Powering with 96 W converter



- 1 24 V distributor, 6 way - optional
- 2 96 W LED converter

Dimensions of the 96 W converter



Assembly dimensions / Layout

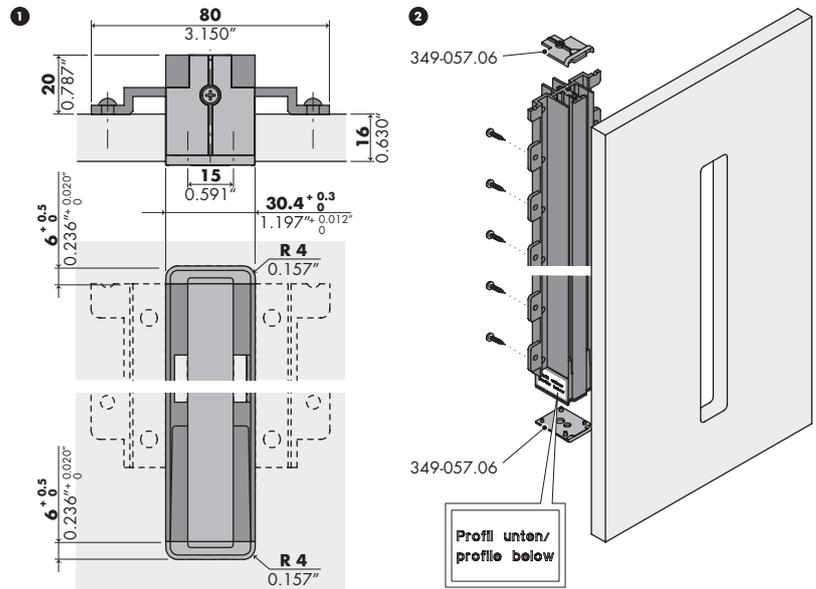
Xero Twin Aluminium profiles can be screwed on panels or various substructures on the wall. The accessories from Xero Twin and Xero 8 can be used.

ⓘ Please observe the indications concerning weight loads and ensure that the substructure of the wall units/furniture and their fixtures can support the expected loads.
With free-standing furniture, ensure that there is sufficient stability even with the intended merchandise supports.

Assembly in wooden panels

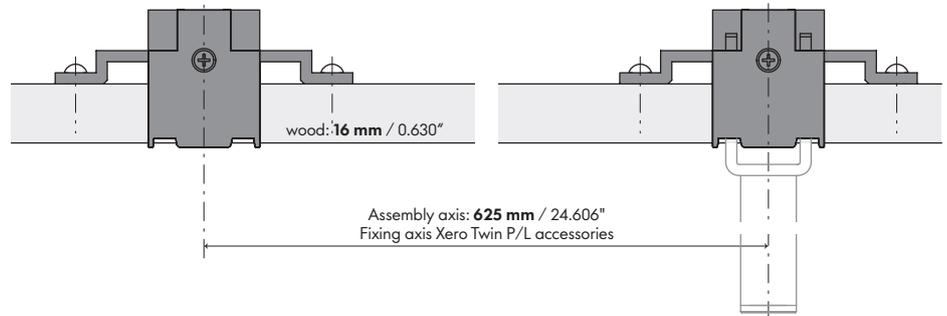
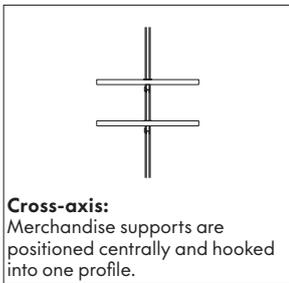
Wooden panels on to which Xero Twin is to be fixed, must be countersunk as follows: (1).

Screw the profile Xero Twin on to the panel from the rear. Fix the profile caps 349-057.06 to the top of the profile and to the bottom of the power supply, before the profile is installed to the panel (2).

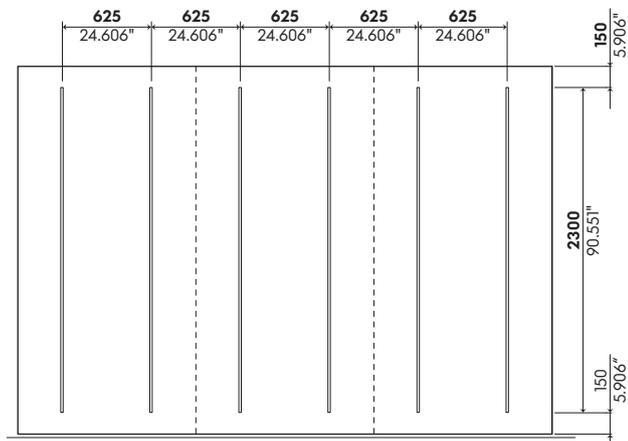


ⓘ The lower end of the profile is marked with "profile below".

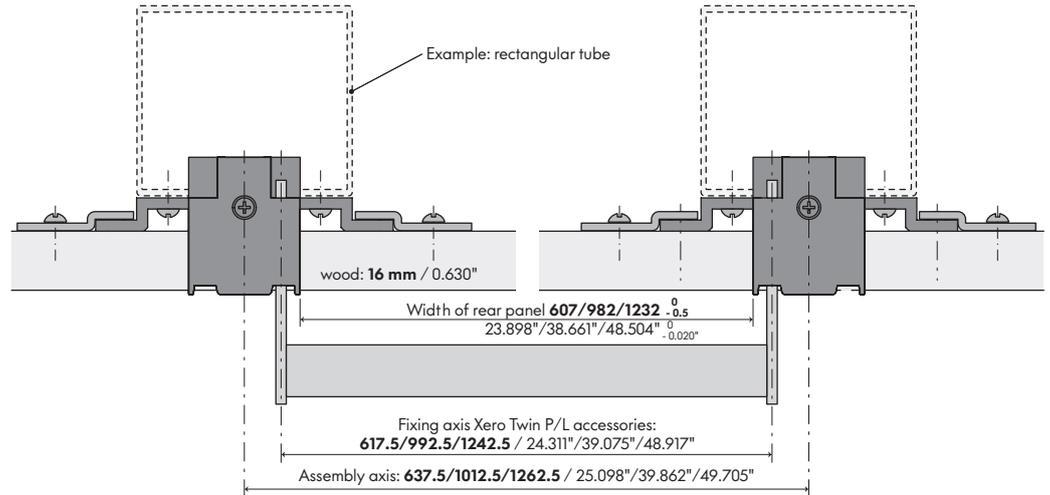
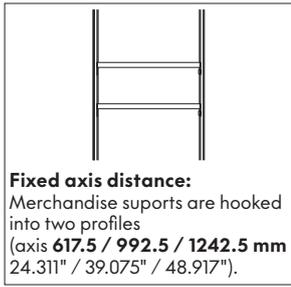
Assembly dimensions: Xero Twin profile screwed on to countersunk wooden panels from the rear / cross-axis



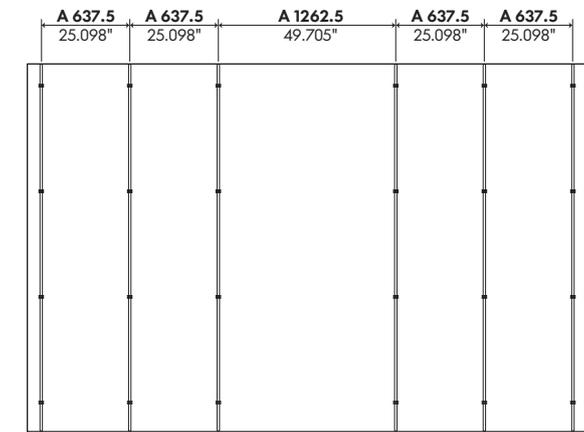
Recommendation for profile axis with Xero Twin accessories.



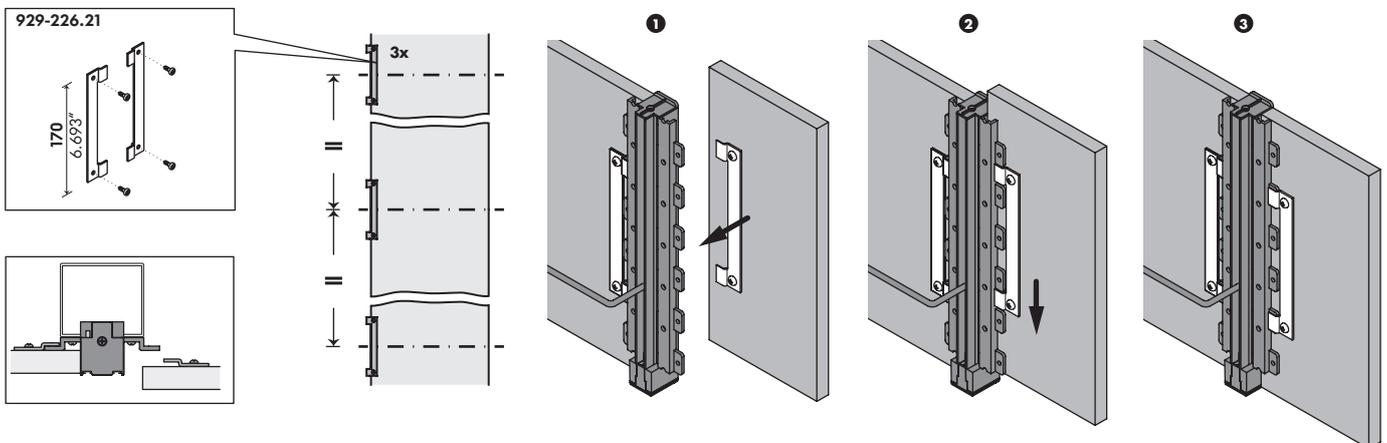
Assembly dimensions: Xero Twin profile screwed on to substructure and rear panels attached from the front / fixed axis distance



Recommendation for profile axis with Xero Twin and Xero 8 accessories.



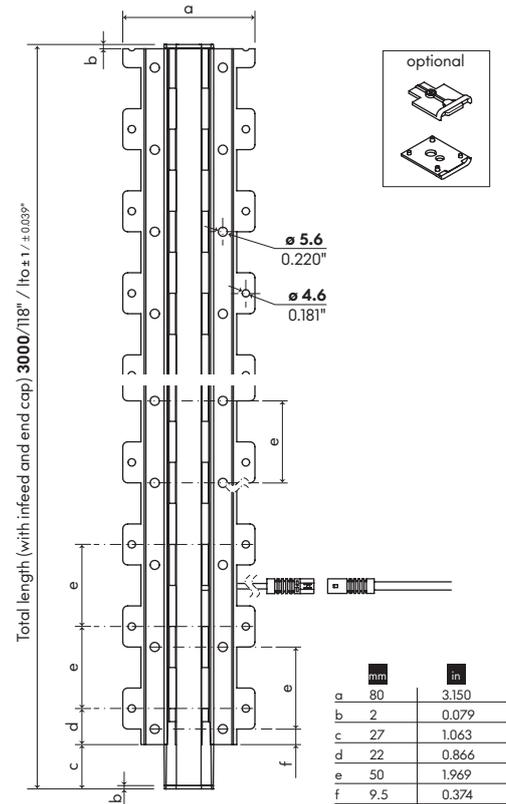
Inserting the panels into Xero Twin profile



Dimensions and distances of holes

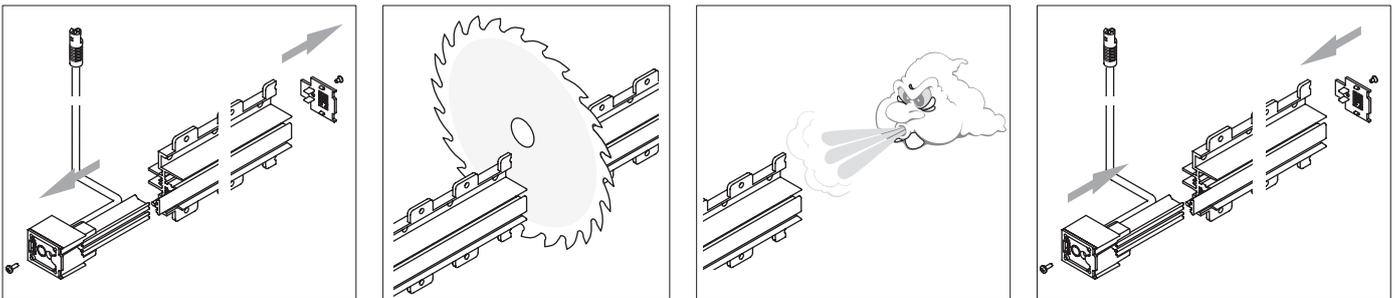
All fastening points have to be used in event of maximum loads!

- ❗ End caps must be fitted on profile with conductor rail.
- Take care to assemble the profile in the correct direction (power supply must be below).
- Power supply is available via the left profile slot. The right-hand side is fitted with a non-powered profile.
- Depending on your local regulations, a conduit must be used for the primary side of the driver. Check this before installation.
- It must be ensured that access to the driver is possible for inspection and subsequent servicing.



Shortening a profile

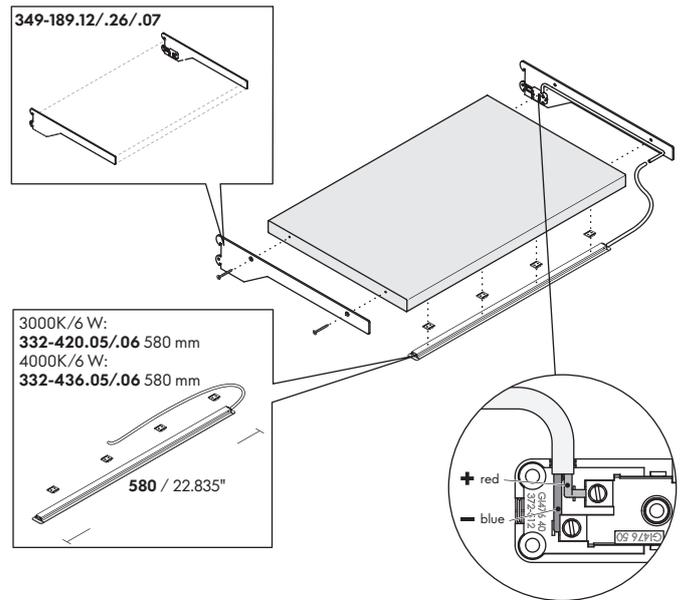
- ❗ The electrical components and the end cap must be removed before shortening the profile. Always shorten a profile from the top side and burr the edges. Make sure that all shavings are removed from the profile. The electrical components and end cap must be fitted back onto the profile.



Wooden shelf for brackets with single power adapter

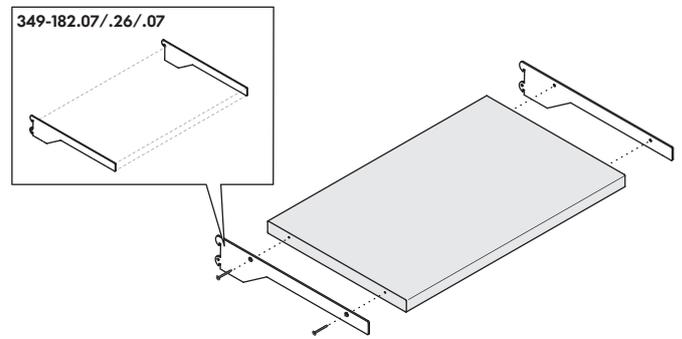
❗ For wooden shelf max. 1245 mm/49.016" long by max. 380 mm/14.961" deep and max. 12 W power consumption.

📄 Production drawings of wooden shelves are available for downloading on www.visplay.com or can be received on request. Drawing no. 229-120



Wooden shelf for brackets

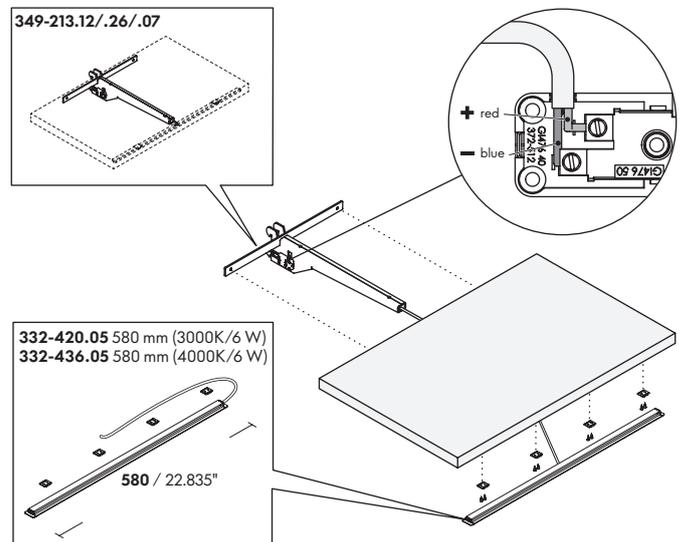
📄 Production drawings of wooden shelves are available for downloading on www.visplay.com or can be received on request. Drawing no. 252-821



Wooden shelf for T-bracket with single power adapter

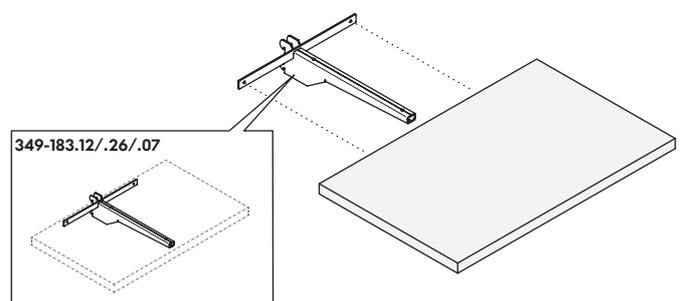
❗ For wooden shelf max. 650 mm/25.591" long by max. 356 mm/14.016" deep and max. 6 W power consumption.

📄 Production drawings of wooden shelves are available for downloading on www.visplay.com or can be received on request. Drawing no. 247-841

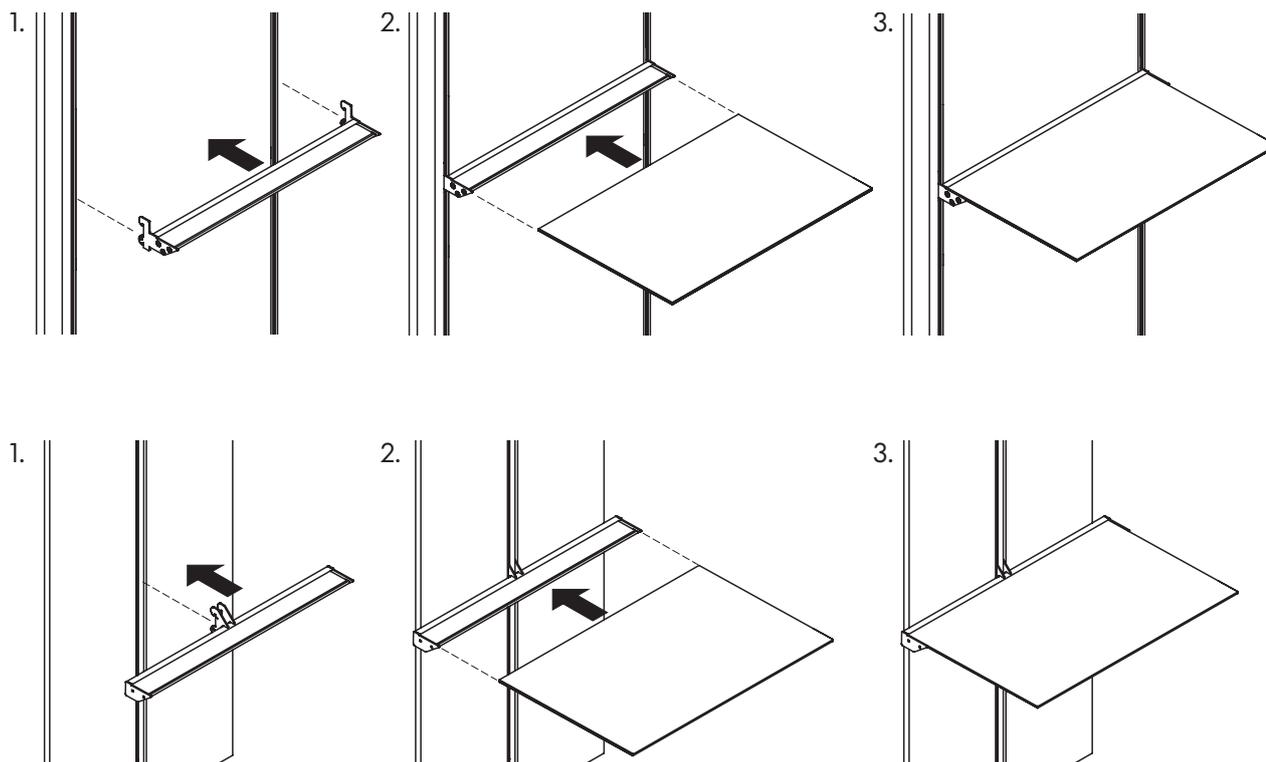


Wooden shelf for T-bracket

📄 Production drawings of wooden shelves are available for downloading on www.visplay.com or can be received on request. Drawing no. 252-820



Attaching the glass shelf



ⓘ The merchandise support has a slight slope (approx. 2°)

Weight loads

ⓘ The indicated weight loads are always based on the total weights of the merchandise support and goods. Please note that max. permissible load decreases as the merchandise support increases in length. Please note that the inclination of the merchandise support changes with an increase in load. Different weights on the merchandise supports result in an uneven overall appearance of the goods display. Please note that the weight limit can be reduced considerably when mounting in glass and sheet metal. The max. permissible load of the Xero Twin depends on the nature of the wall, the number of fastening points as well as the fastening material used. All fastening points have to be used in event of a maximum weight load. Please also observe the weight loads indicated in our sales documentation.

Max. load

Profile	per 1000 mm/40"	220 lbs
Glass shelf with/without LED lighting		55 lbs
Brackets with/without single power adapter 24 V for wooden shelf		55 lbs
T-bracket with/without single power adapter 24 V for wooden shelf		55 lbs
Fixing set		44 lbs
Front arm, straight 30 x 15 mm/1 3/16" x 5/8"		55 lbs
Side hanging rail 30 x 15 mm, 600 mm/1 3/16" x 5/8", 24", T-Arm		55 lbs
T-bracket 25 x 4 mm/1" x 3/16" for wooden or glass shelf		55 lbs
Bracket 30 x 5 mm/1 3/16" x 13/64" for hanging rail 30 x 15 mm/30 x 15 mm		55 lbs
Bracket 30 x 5 mm/1 3/16" x 13/64" for wooden or glass shelf		55 lbs
Clamping bracket for glass shelf		33 lbs