

Supergrid™ Furniture System

[Assembly instructions]

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[1. introduction]

The following illustrates the assembly of the Supergrid™ space-creating furniture system.

The Supergrid™ office furniture system is a modular system from Artis Space Systems GmbH that can be assembled as desired from various modules with fixed dimensions. In addition, some of the modules can be subsequently extended and modified without having to dismantle the entire system. These modules are available in depths of 400 mm and 650 mm, thus the 400 / 650 system, and can also be connected to each other via special corner modules.

These assembly instructions are intended to ensure safe assembly of the furniture on the one hand and stability in the finished state on the other. It is essential to comply with the associated requirements and regulations of the assembly statics so that the quality and guarantee of the system do not deviate from the standard. Assembly should only be carried out by instructed and competent personnel in order to prevent any deviations.

The chapters and subsections listed in this manual apply to both the 400 and 650 systems.

The only exception is where additional endorsements are found. These exceptions are directly related to differentiated safety notices and instructions.

[Artis Space Systems GmbH | Columbiadamm 29 | 10965 Berlin, Germany
Phone +49 30 69809010 [mailto:mail@artisspacesystems.com]

[2. shelves and shelving units]

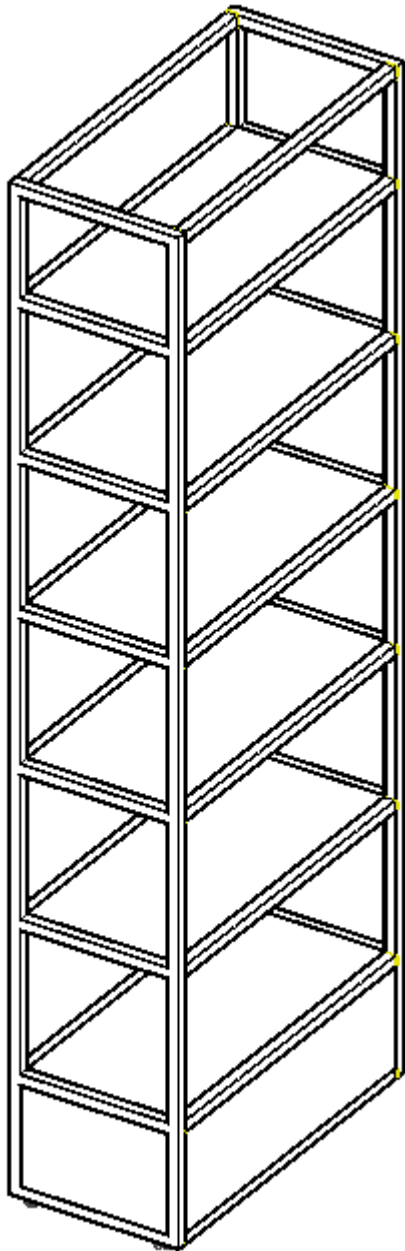
Structure of Module A



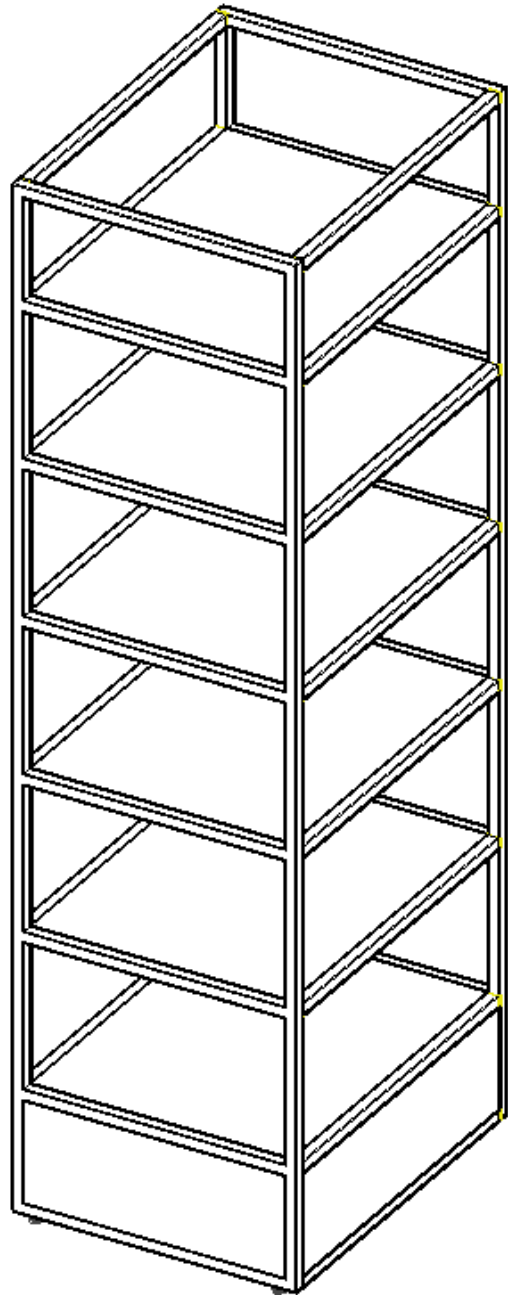
[Fig.: 400 system]

[2.1 Overview of the shelves]

Module A



400 system :
[D 400 mm x W 800 mm x H 2360 mm]



650 system :
[D 650 mm x W 800 mm x H 2360 mm]

[2.2 Warnings and parts list of module A]



Only expert assembly guarantees safe assembly and safe use. Therefore, the assembly should only be carried out by instructed and competent personnel.

These instructions apply to both the 400 and 650 systems unless additional notes are found.

Caution - Danger due to the furniture tipping over!

For this purpose, it is essential to comply with the requirements of the superstructure statics in chapter 11.

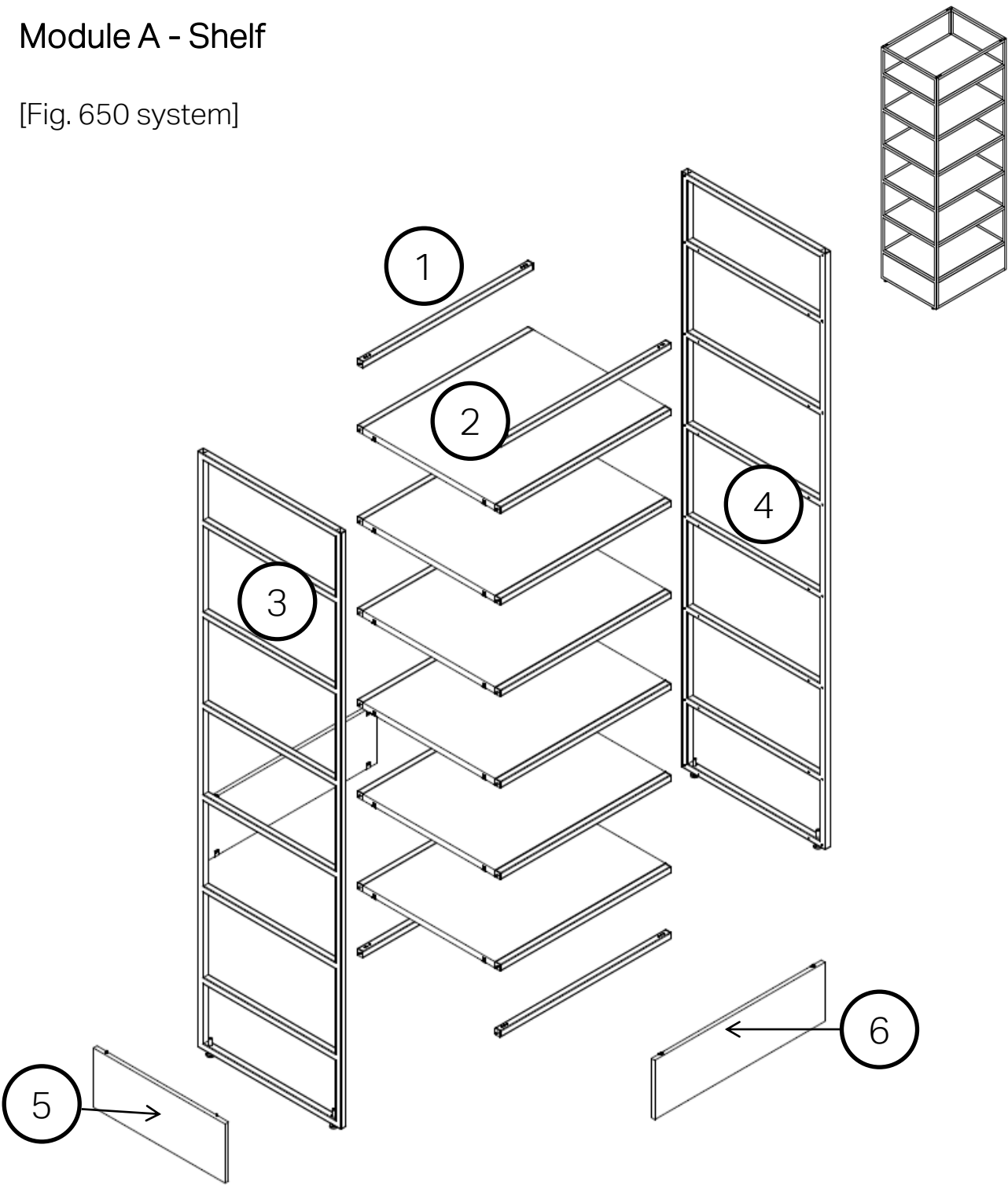
Module A [650 - System]

	Designation	Material	L x W x H (mm)	Number of pieces
1	Cross strut (with system connector)	Steel	771x 25 x 25	16
2	Shelf	Wood-based material, coated	774 x 599 x 25	6
3	Ladder 1 (perforated on one side)	Steel	650 x 25 x 2345	1
4	Ladder 2 (perforated on both sides)	Steel	650 x 25 x 2345	1
5	Side panel	Wood-based material, coated	598 x 233 x 16	1
6	Base cover	Wood-based material, coated	773 x 233 x 16	2

[2.3 Assembly overview of Module A]

Module A - Shelf

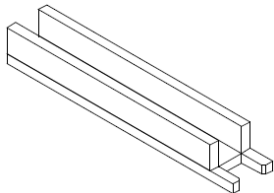
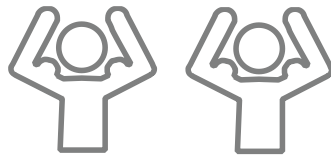
[Fig. 650 system]



[This shelf reproduces the basic principle of assembly of the Supergrid™. It thus includes both the 400 and the 650 system. All other modules are merely variants of this assembly principle].

[2.4 Tools and parts list of assembly fittings]

Required are :



Assembly aid
250 x 44 x 34



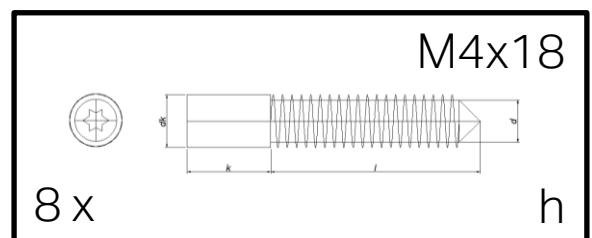
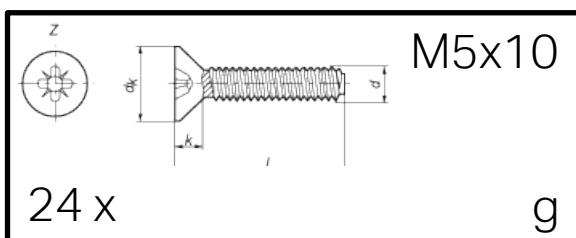
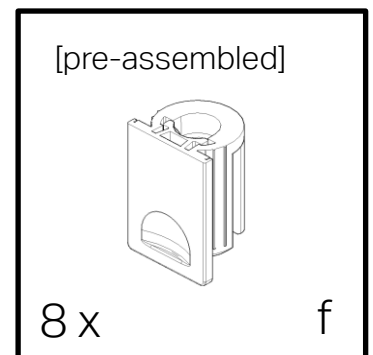
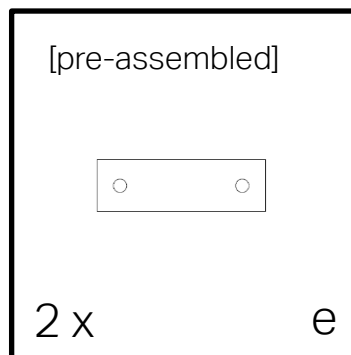
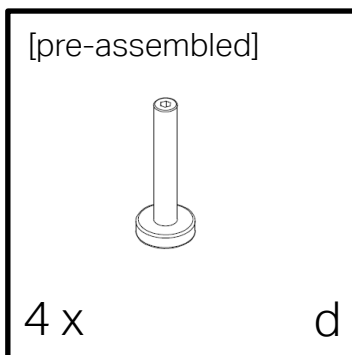
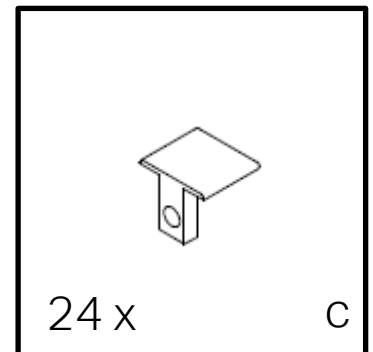
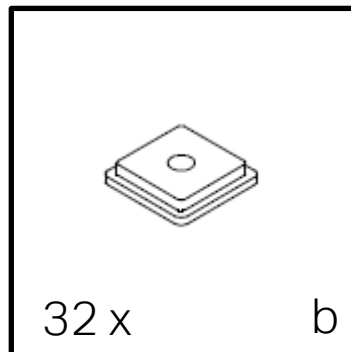
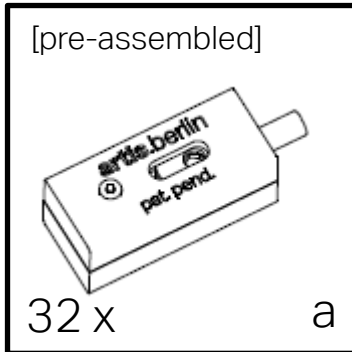
TX10
TX25
PZ2

Module A [650 - System]

	Designation	Material	Dimensions	Number of pieces
a	System connector	Plastic	48 x 20.6 x 20.6	32
b	Distance plate	Polyamide	25.3 x 25.3 x 5	32
c	Shelf support	Zinc	20 x 18 x 17	24
d	Adjustable foot	Metal	M10 x 60	4
e	Flat sheet	Metal	51 x 15,5 x 2	2
f	Safety floor support	Plastic	22 x 16 x 13,6	8
g	Self-tapping screw	Steel	M5 x 10	24
h	Grub screw	Steel	M4 x 18	8

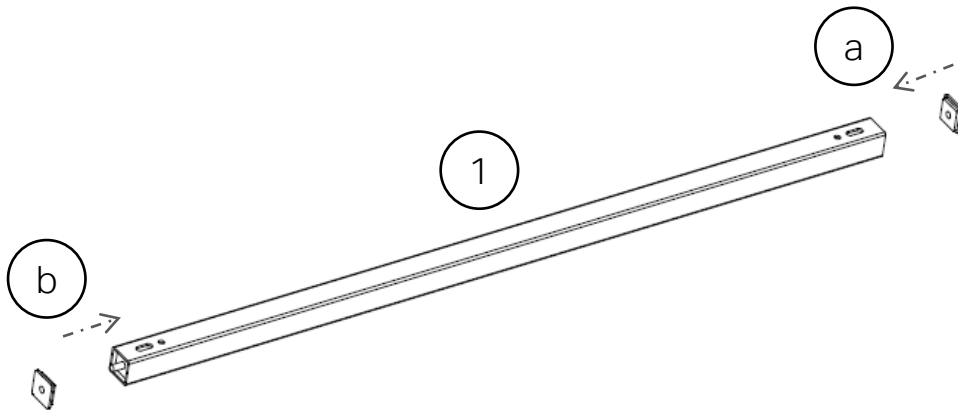
[2.5 Overview of assembly fittings]

Included are :

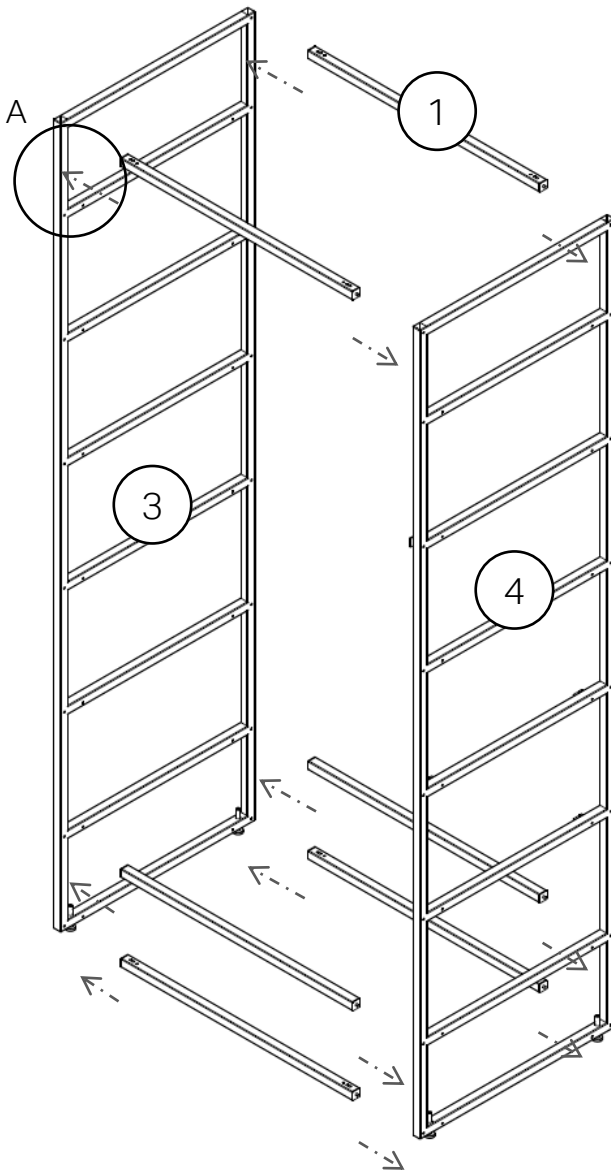


Here we go ...

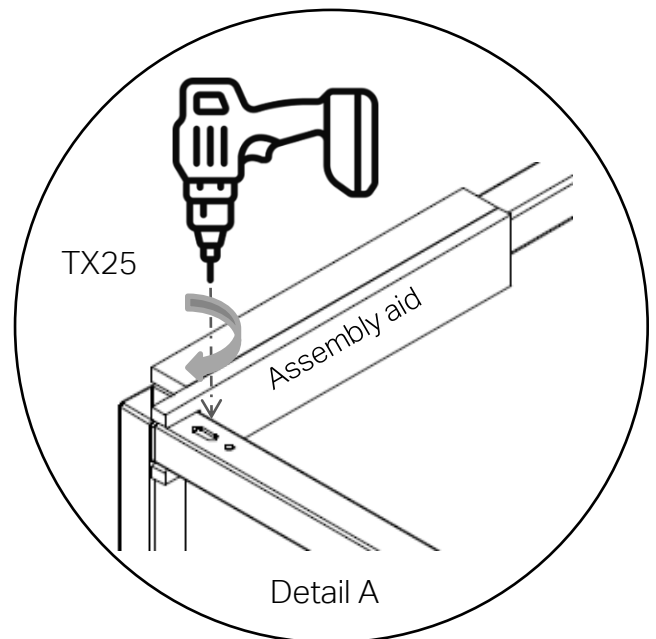
[2.6 Cross braces]



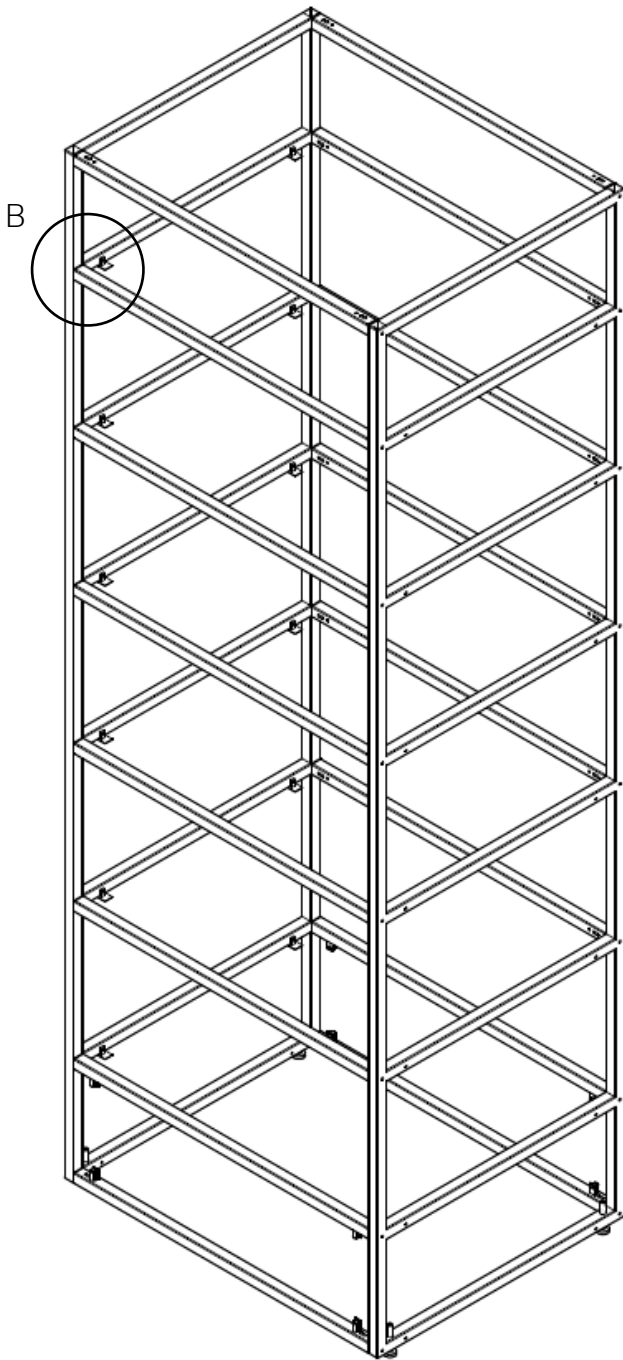
The spacer plates (b) are to be placed on the cross braces (1) over the system connectors (a) pre-mounted in the cross braces.



Then the cross braces (incl. system connectors) can be positioned with the assembly aid and screwed to the ladders as shown in detail A.



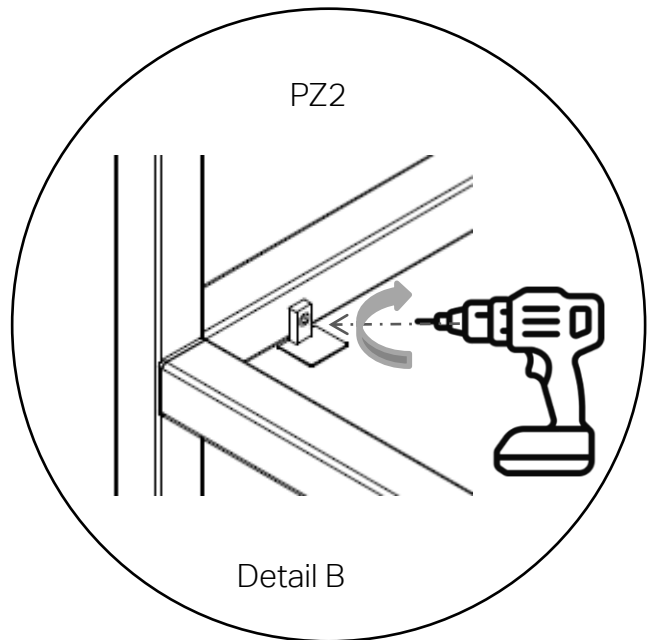
[2.7 Shelves]



Fix 4 shelf supports (c) on each provided level with the self-tapping screw (g) in the pre-drilled holes as shown in detail B.

Then the remaining cross struts can be mounted according to the previous procedure.

Then only the shelves (2) have to be inserted (see overview chapter 2.3).



For the best results, see "Tips and tricks" from page 79.

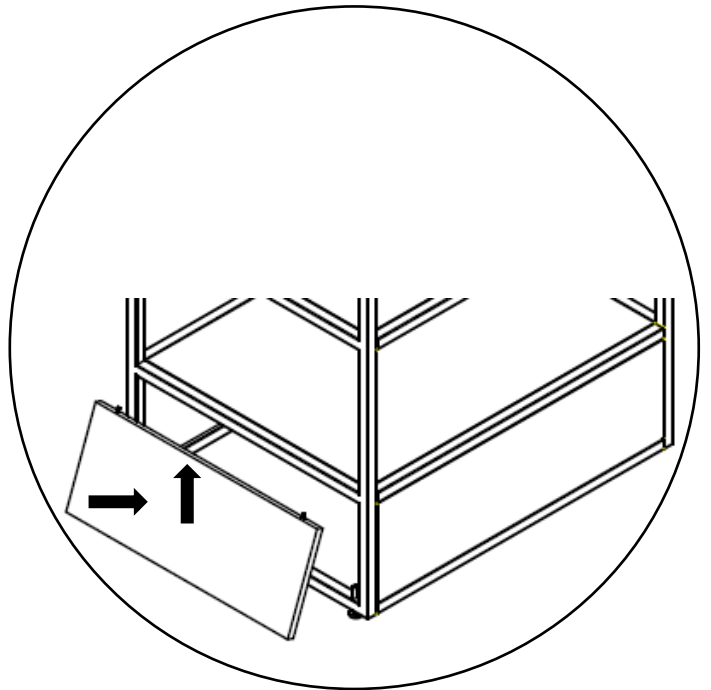
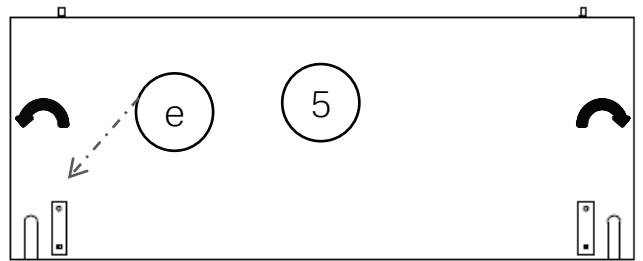
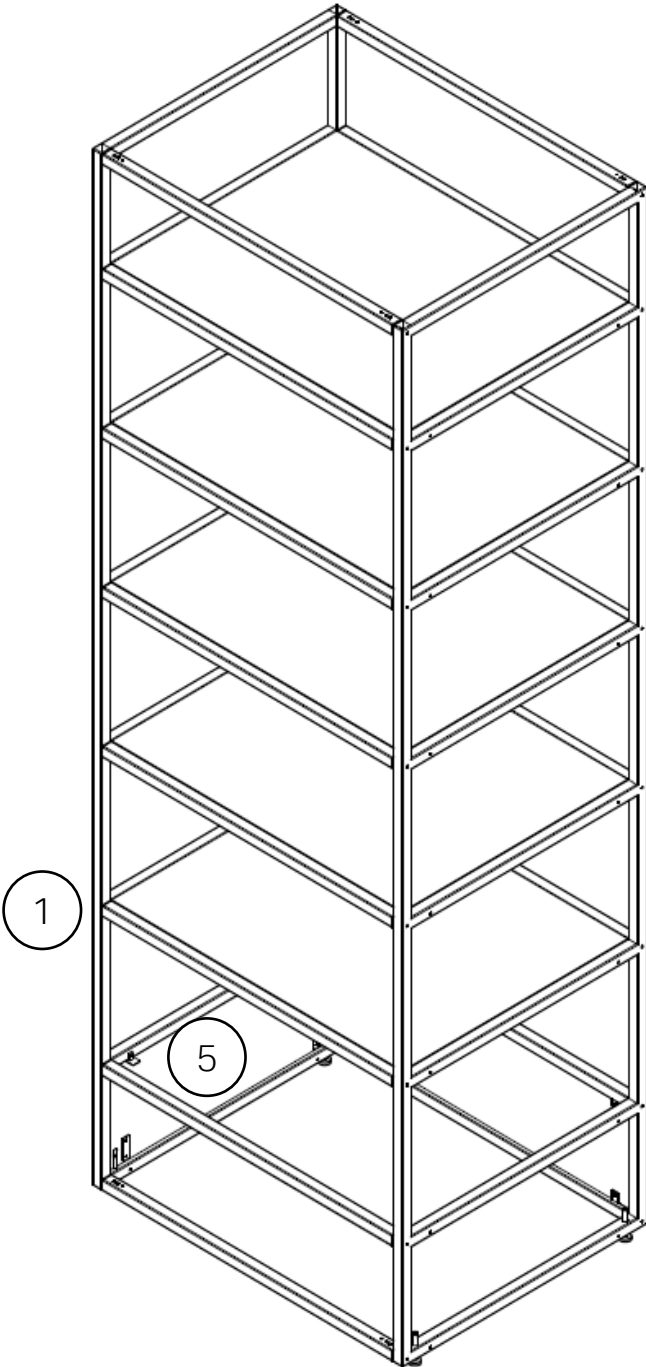
Attention - A maximum load of 30 kg (400 mm system) or 40 kg (650 mm system) is recommended for each shelf. This should **not** be exceeded.

[2.8 Plinth panels]

Side panel (5):

The side panel (5) is inserted from below into the holes provided in the ladder (1) via the pre-assembled pegs.

Then the lower part of the panel can be folded onto the ladder and locked in the direction of the arrow using the flat plates (e) already fitted behind the adjustable feet (d).



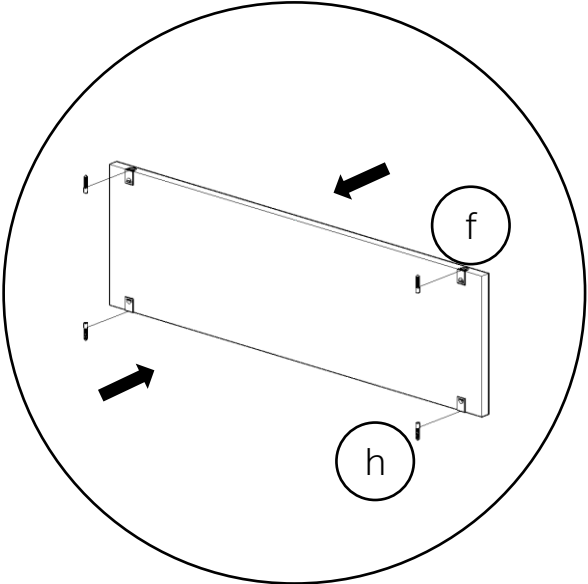
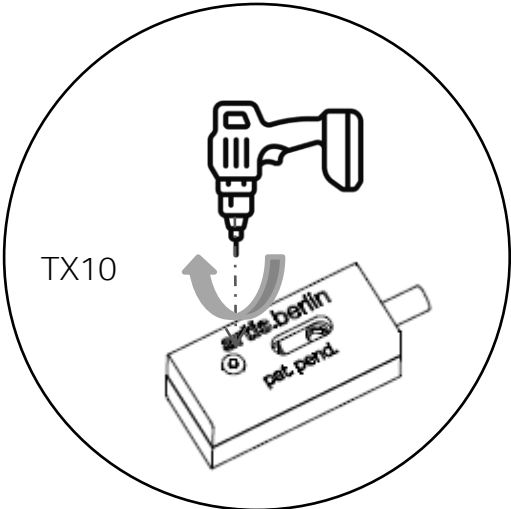
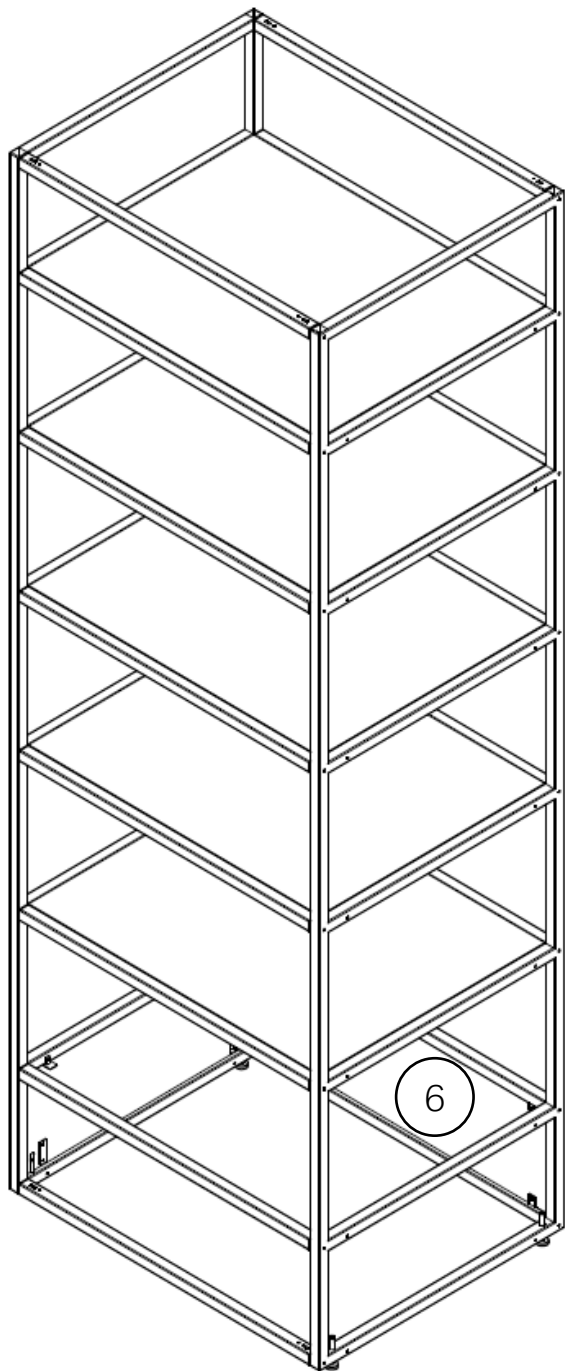
[In the next step, the plinth panels can be attached].

[2.8 Plinth panels]

Base trims (6) :

In order to be able to fix the plinth panels, the grub screws for locking the system connectors in the cross struts of the plinth area must be exchanged for the larger version (h).

The panels with their pre-assembled floor safety supports (f) can then be placed on the grub screw (h).



Ready!

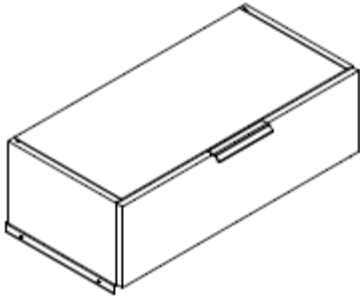
[3. Furniture Components]

Structure of Module B



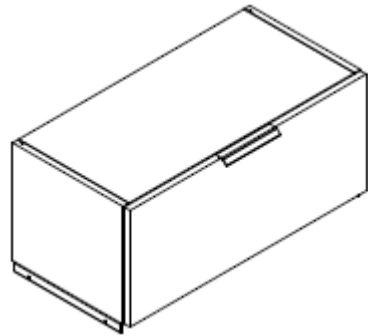
[Fig.: 400 system]

[3.1 Overview of the furniture components]



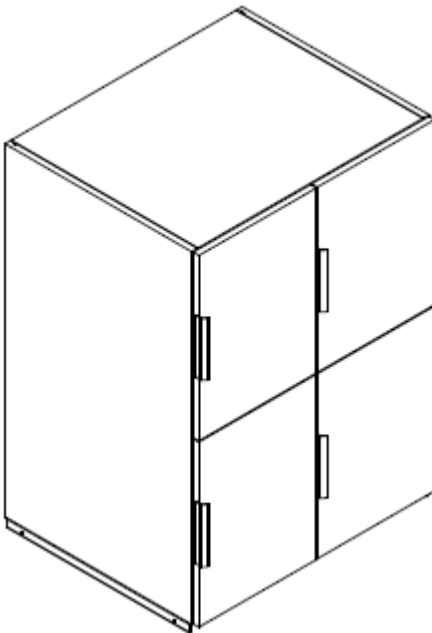
Base drawer

There is a **special feature**
here explained in chapter 9.3
- Plinth drawer

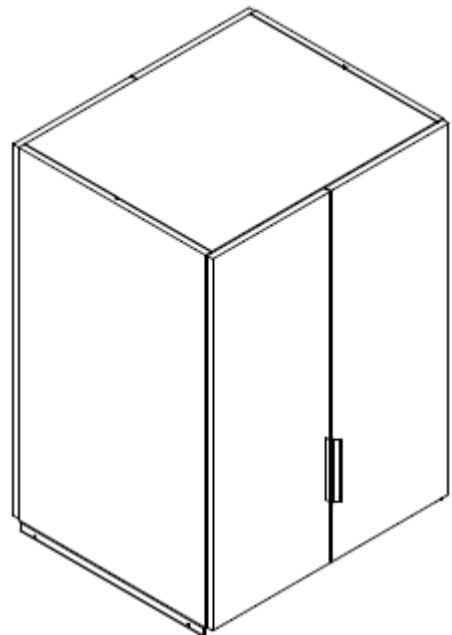


Box with drawer

Box with flap



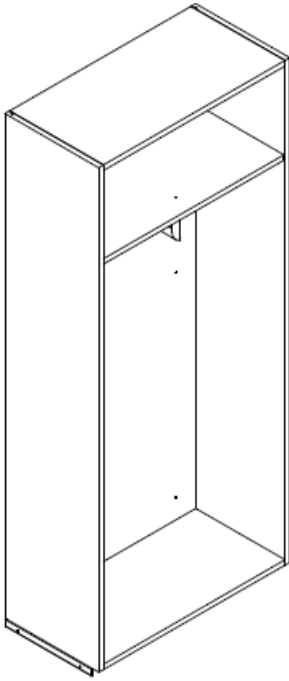
Module B - Lockers



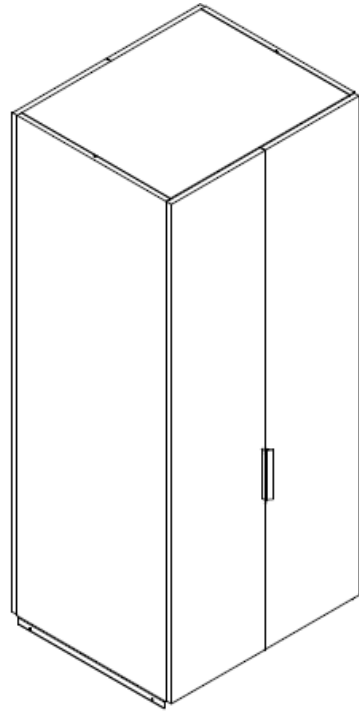
Module C - small filing cabinet

[The carcasses and boxes listed here can be found in both the 400 and 650 systems].

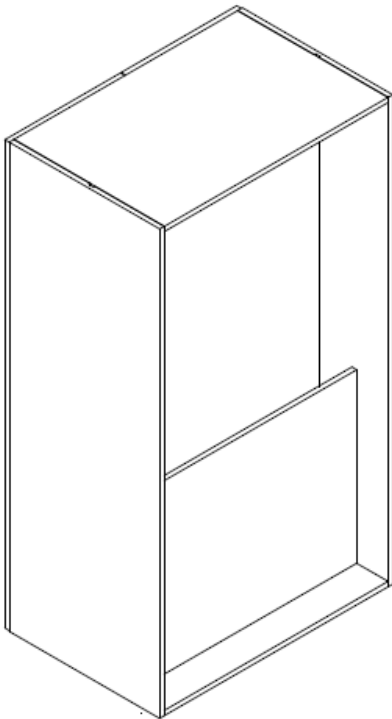
[3.1 Overview of the furniture components]



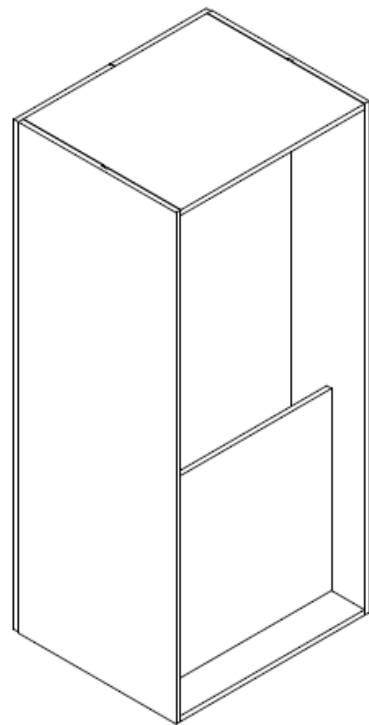
Module D - Wardrobe



Module E - large filing cabinet



Module F - desk module



Module G - desk module

[The carcasses and boxes listed here can be found in both the 400 and 650 systems].

[3.2 Warnings and parts list of Module B]



Only expert assembly guarantees safe assembly and safe use. Therefore, the assembly should only be carried out by instructed and competent personnel.

These instructions apply to both the 400 and 650 systems unless additional notes are found.

Caution - Danger due to the furniture tipping over!

For this purpose, it is essential to comply with the requirements of the superstructure statics in chapter 11.

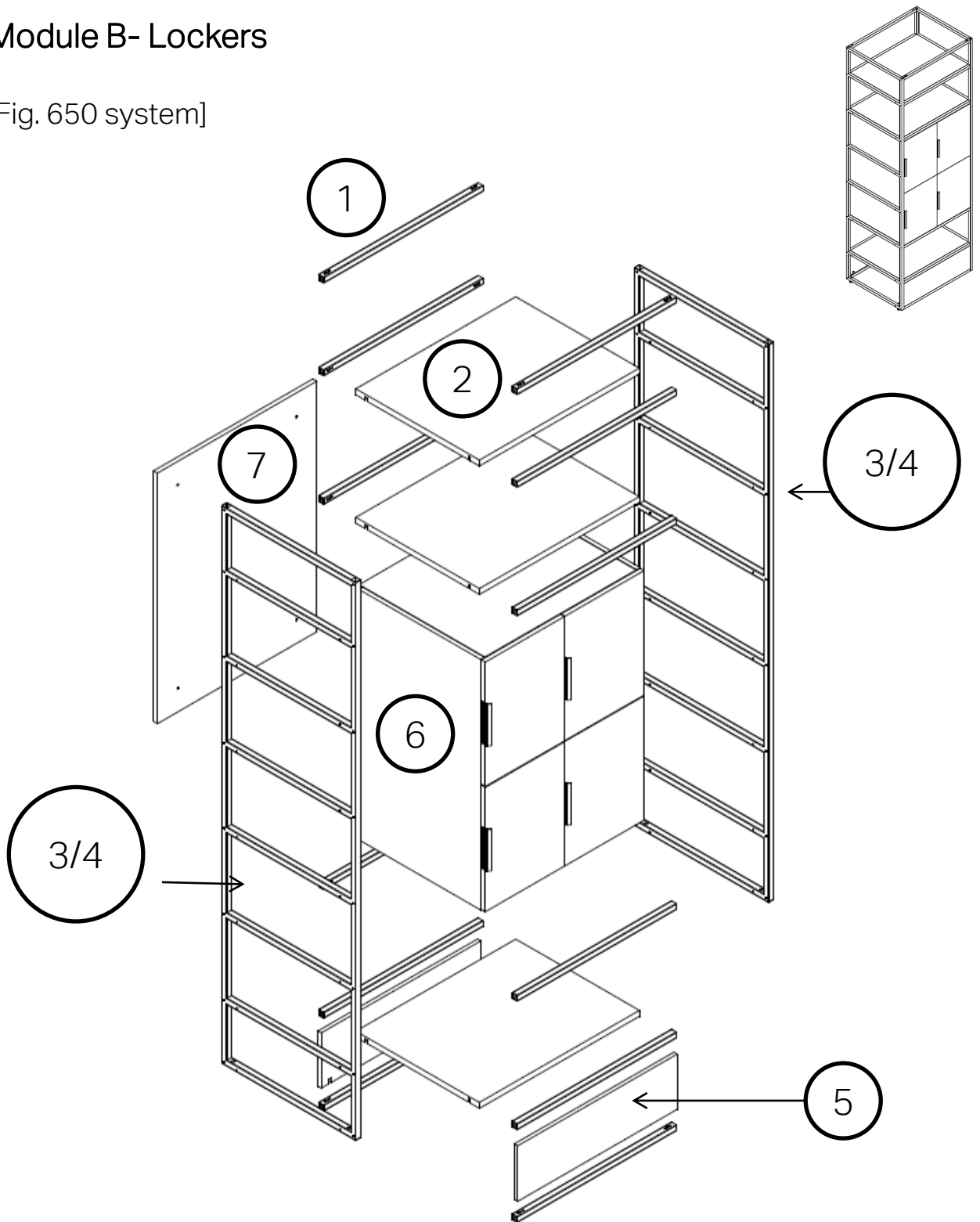
Module B [650 - System]

	Designation	Material	L x W x H (mm)	Number of pieces
1	Cross strut (incl. system connector)	Steel	771x 25 x 25	12
2	Shelf	Wood-based material, coated	774 x 599 x 25	3
3	Ladder 1 (perforated on one side)	Steel	650 x 25 x 2345	1
4	Ladder 2 (perforated on both sides)	Steel	650 x 25 x 2345	1
5	Base cover	Wood-based material, coated	773 x 233 x 16	2
6	Module B Basic carcass incl. fronts	Wood-based material, coated	773 x 630 x 1053	1
7*	Back wall Alternative: whiteboard, perforated sheet, acoustic panel	Wood-based material, coated	773 x 1053 x 19	1

[3.3 Assembly overview of Module B]

Module B- Lockers

[Fig. 650 system]



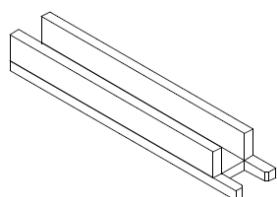
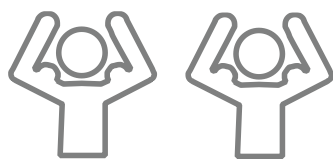
3/4

Outer or middle conductor :

Depending on the position of the module in the Supergrid™, the result is an outer conductor/middle side perforated on one side/both sides.

[3.4 Tools and parts list of the assembly fittings]

Required are :



Assembly aid
250 x 44 x 34



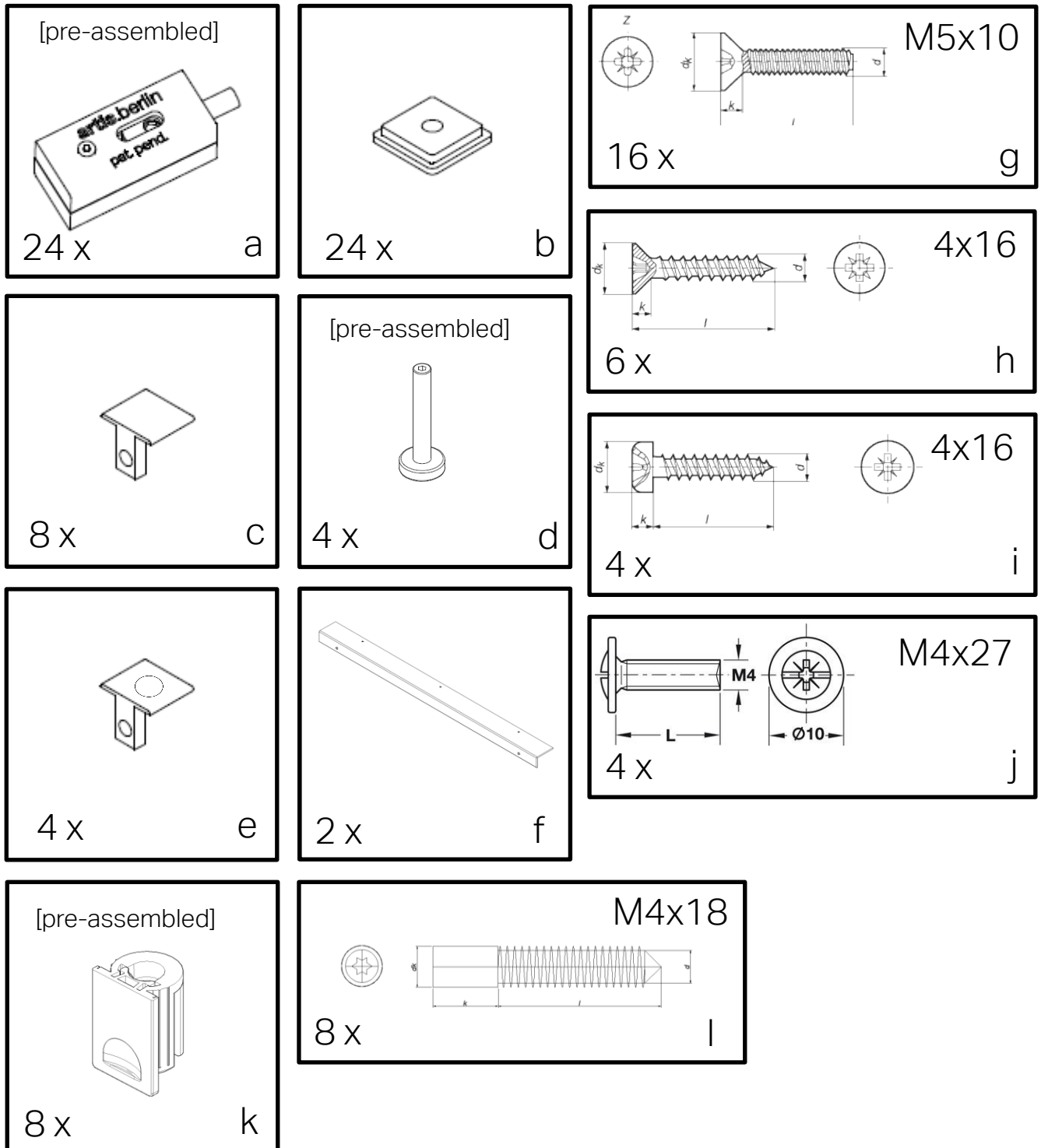
TX10
TX25
PZ2

Module B [650 - System]

	Designation	Material	Dimensions	Number of pieces
a	System connector	Plastic	48 x 20.6 x 20.6	24
b	Distance plate	Polyamide	25.3 x 25.3 x 5	24
c	Shelf support	Zinc	20 x 18 x 17	8
d	Adjustable foot	Metal	M10 x 60	4
e	Shelf support perforated	Zinc	20 x 18 x 17	4
f	Support angle (wide)	Steel	45 x 598 x 3	2
g	Self-tapping screw	Steel	M5 x 10	16
h	Countersunk screw	Galvanised steel	4 x 16	6
i	Pan Head Screw	Galvanised steel	4 x 16	4
j	Back wall screw	Steel	M4 x 27	4
k	Floor safety beam	Plastic	22 x 16 x 13,6	8
l	Grub screw	Steel	M4 x 18	8

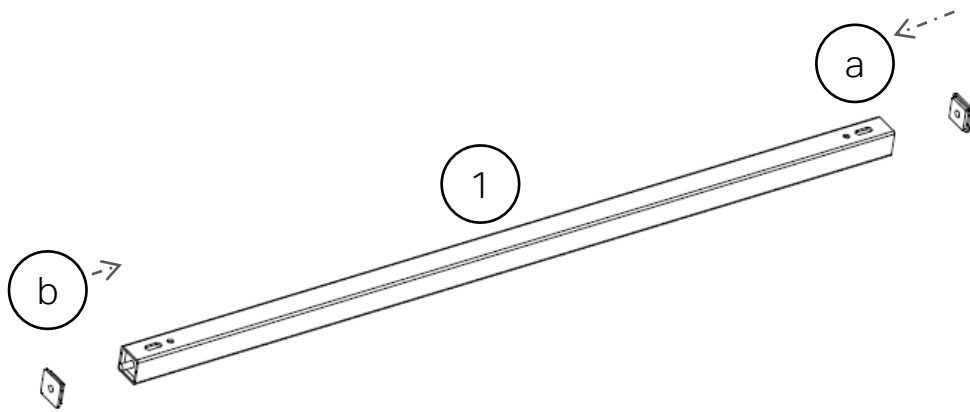
[3.5 Overview of assembly fittings]

Included are :

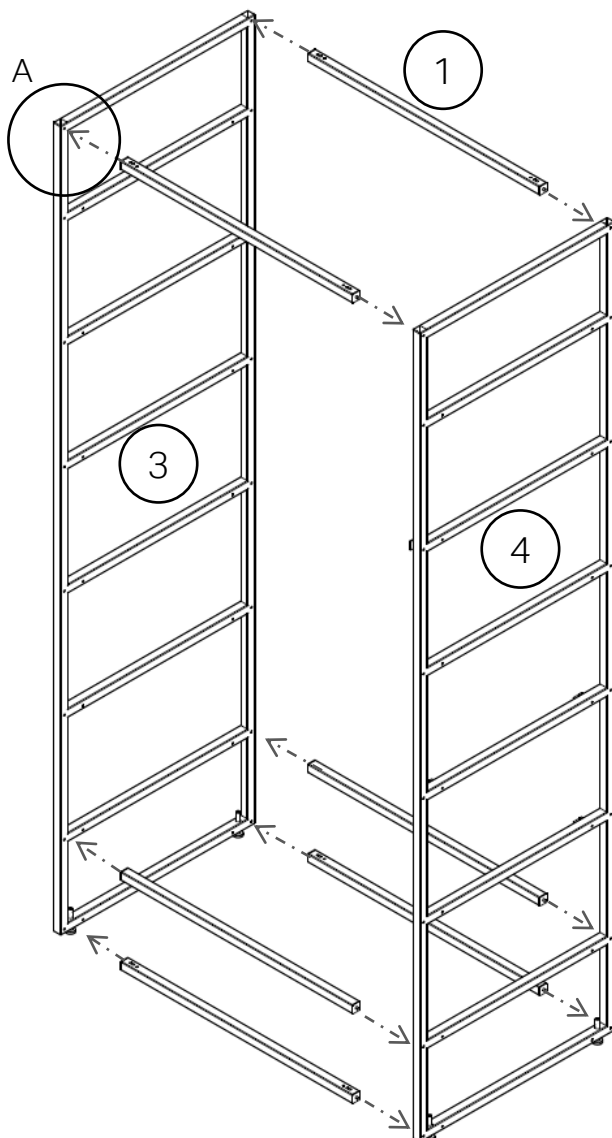


Here we go ...

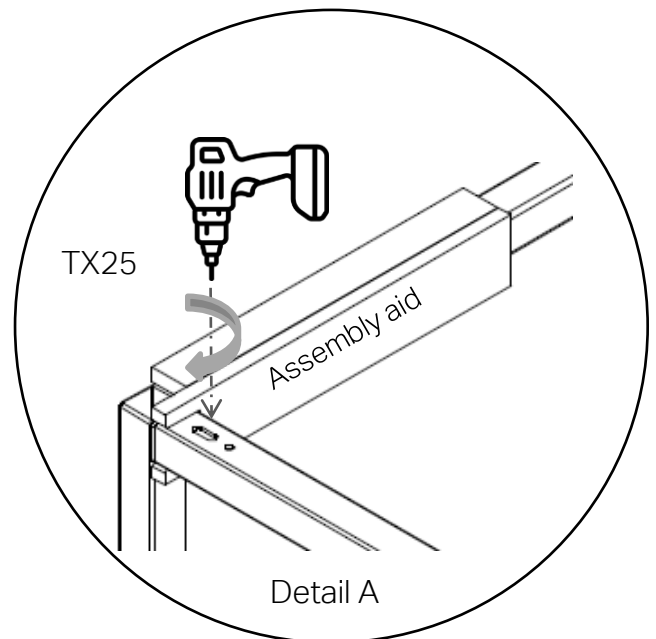
[3.6 Cross brace]



The spacer plates (b) are mounted on the cross braces (1) via the system connectors (a) pre-mounted in the cross braces. to stick.



Then the cross braces (incl. system connectors) can be positioned with the assembly aid and screwed to the ladders as shown in detail A.



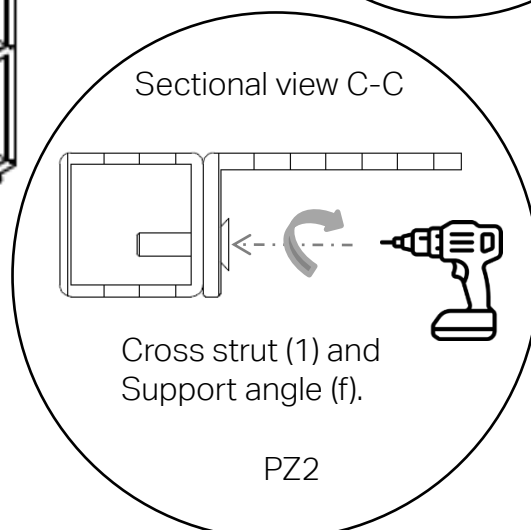
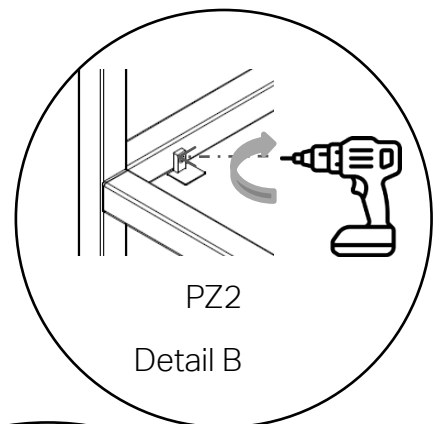
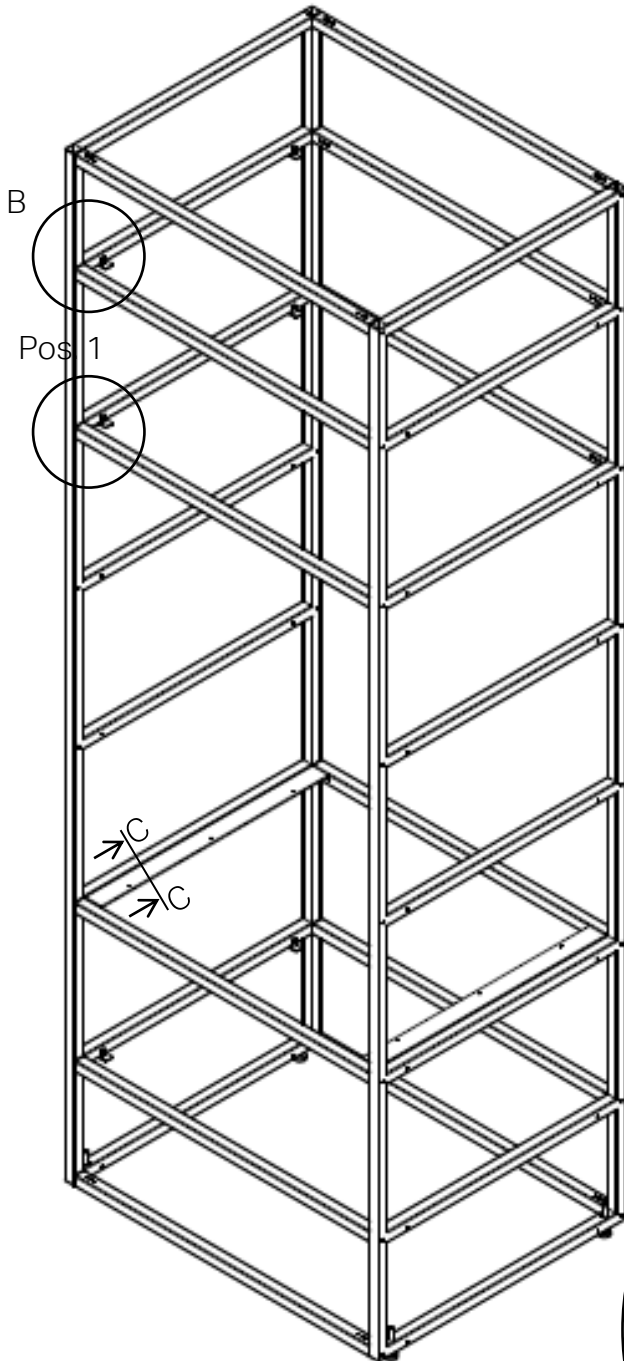
[3.7 Support bracket and insert shelf]

4 shelf supports (c) are fixed on each designated level by the self-tapping screw (g) as shown in detail B.

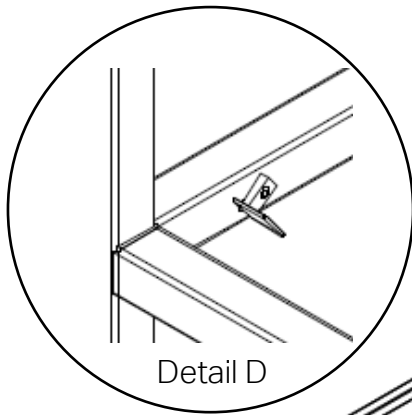
On the level that ends with the top of the carcass, 4 shelf supports perforated (e) are used (Pos.1).

Then the remaining cross braces can be attached as before.

Then mount the support angles (f) on the level provided. To do this, the shorter side of the angle should be positioned over the existing holes in the ladder as shown in sectional view C and fastened with the self-tapping screws (g). This step is repeated on the opposite side.

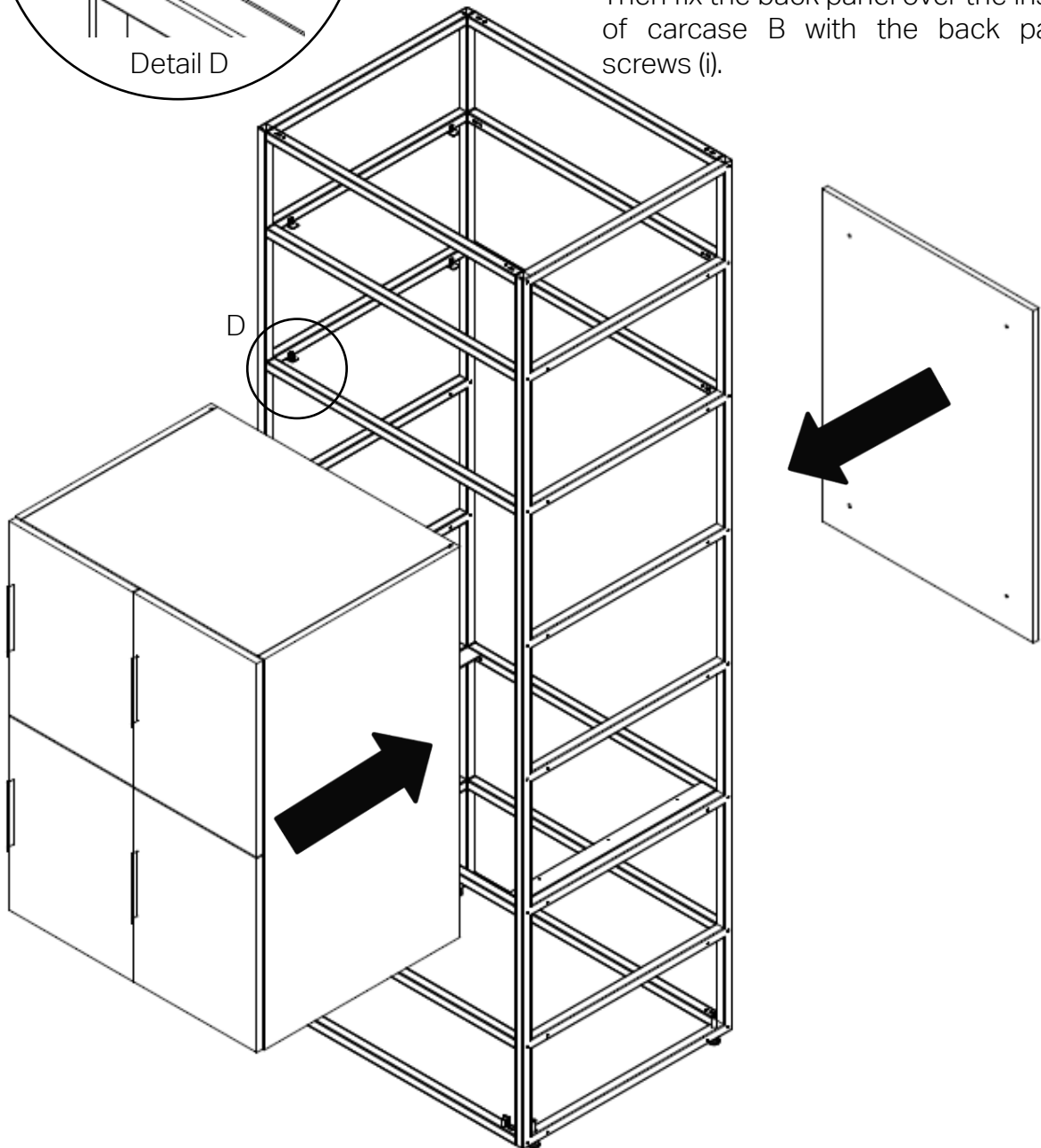


[3.8 Inserting the furniture comp. and back panel].



The furniture comp. can now be inserted in the direction of the arrow over the support bracket (f). Before insertion, however, all shelf supports should be perforated (k) and turned into an inclined position (detail D).

Then fix the back panel over the inside of carcase B with the back panel screws (i).



If the Module is in front of a wall:

First screw the back panel to the furniture and then slide both in.

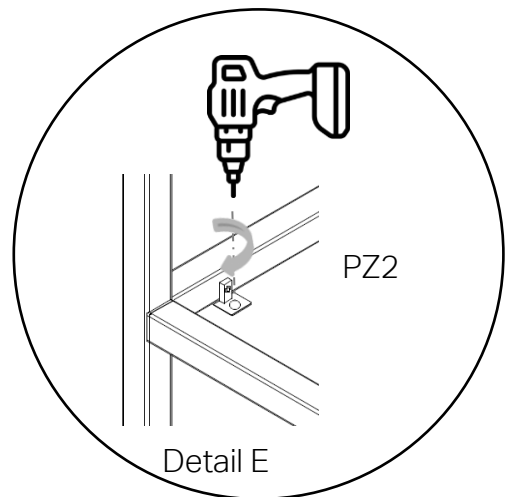
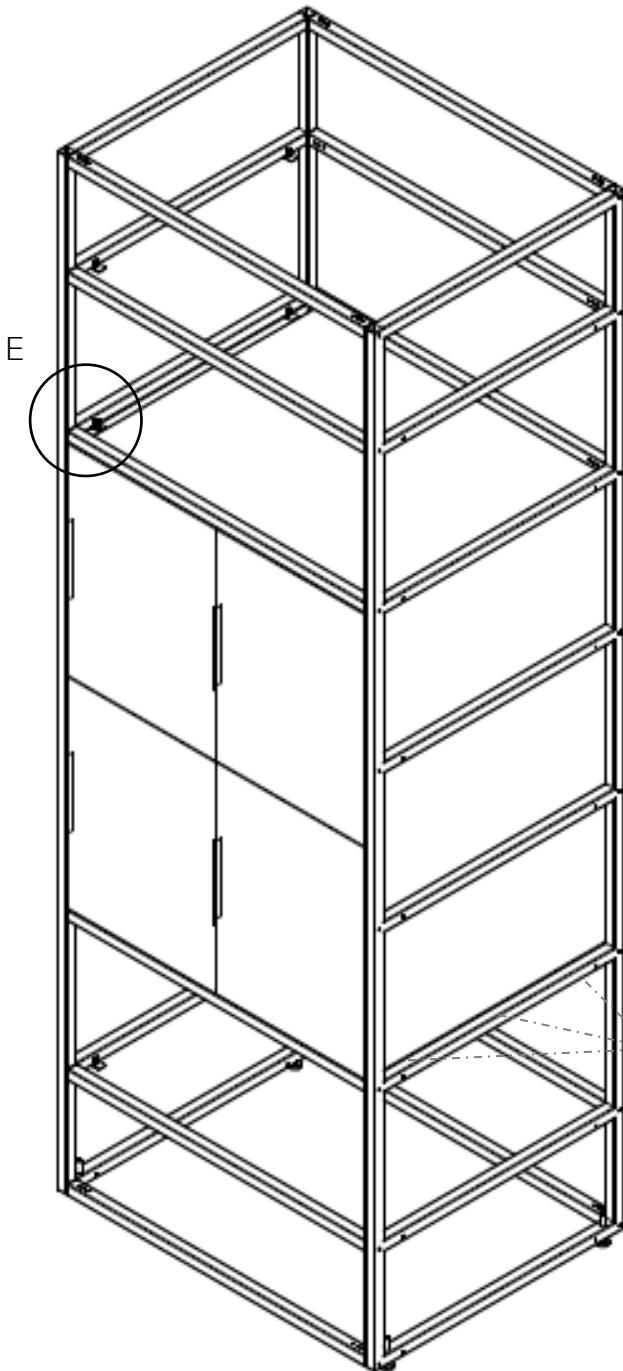
[3.9 Fixing the furniture components]

First place the piece of furniture (6) in position, the rear wall and fronts should be flush with the front and rear edge of the shelf.

Afterwards, the component (6) can be fixed over the support angle (f) from below with the countersunk screw (h) to the prefabricated holes (q) on both sides.

From above, the body is fixed with the pan head screw (i) as shown in detail E.

Finally, only the shelves (2) need to be inserted and the plinth panels fitted as described in chapter 2.8.

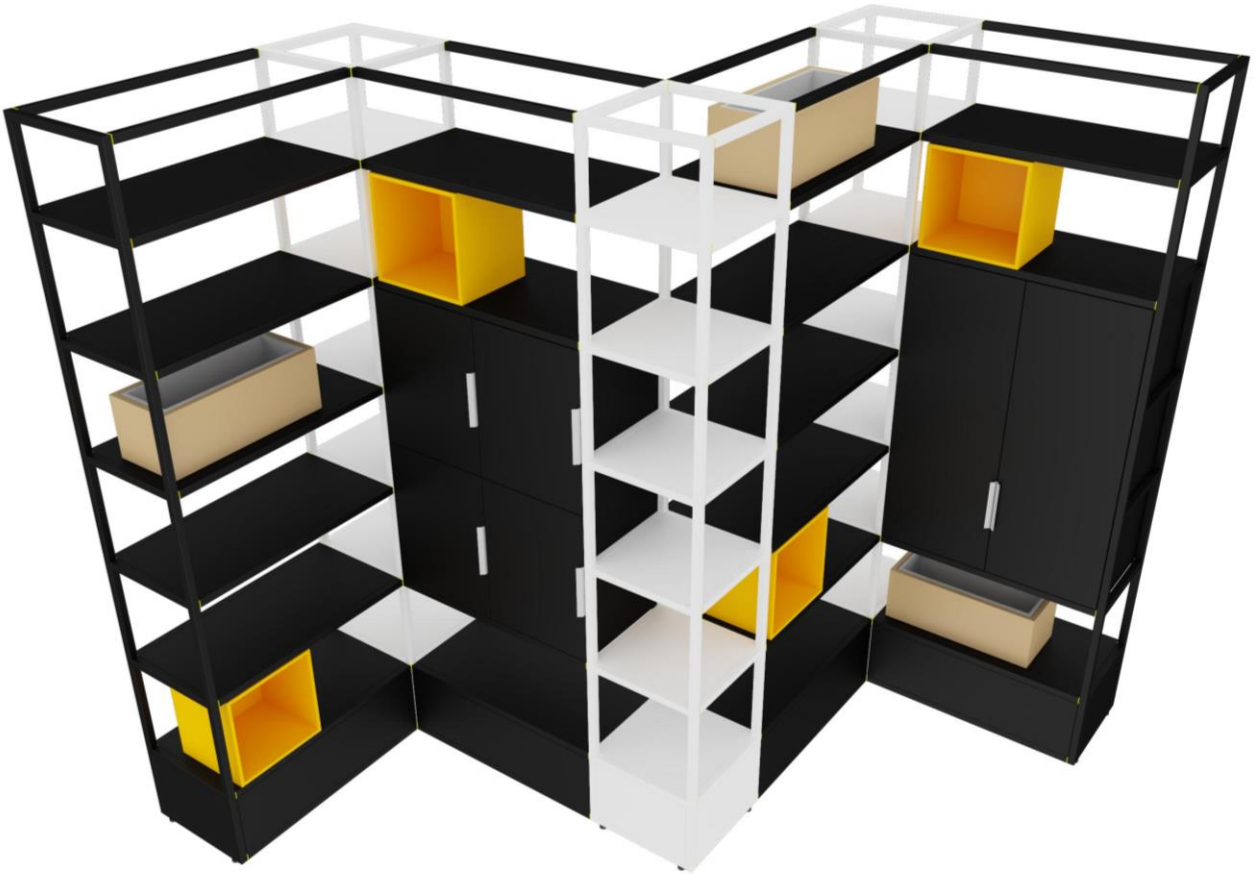


[This build-up process is representative of all the Supergrid™ furniture components and boxes].

Ready!

[4. Corner Modules]

Structure of Module L



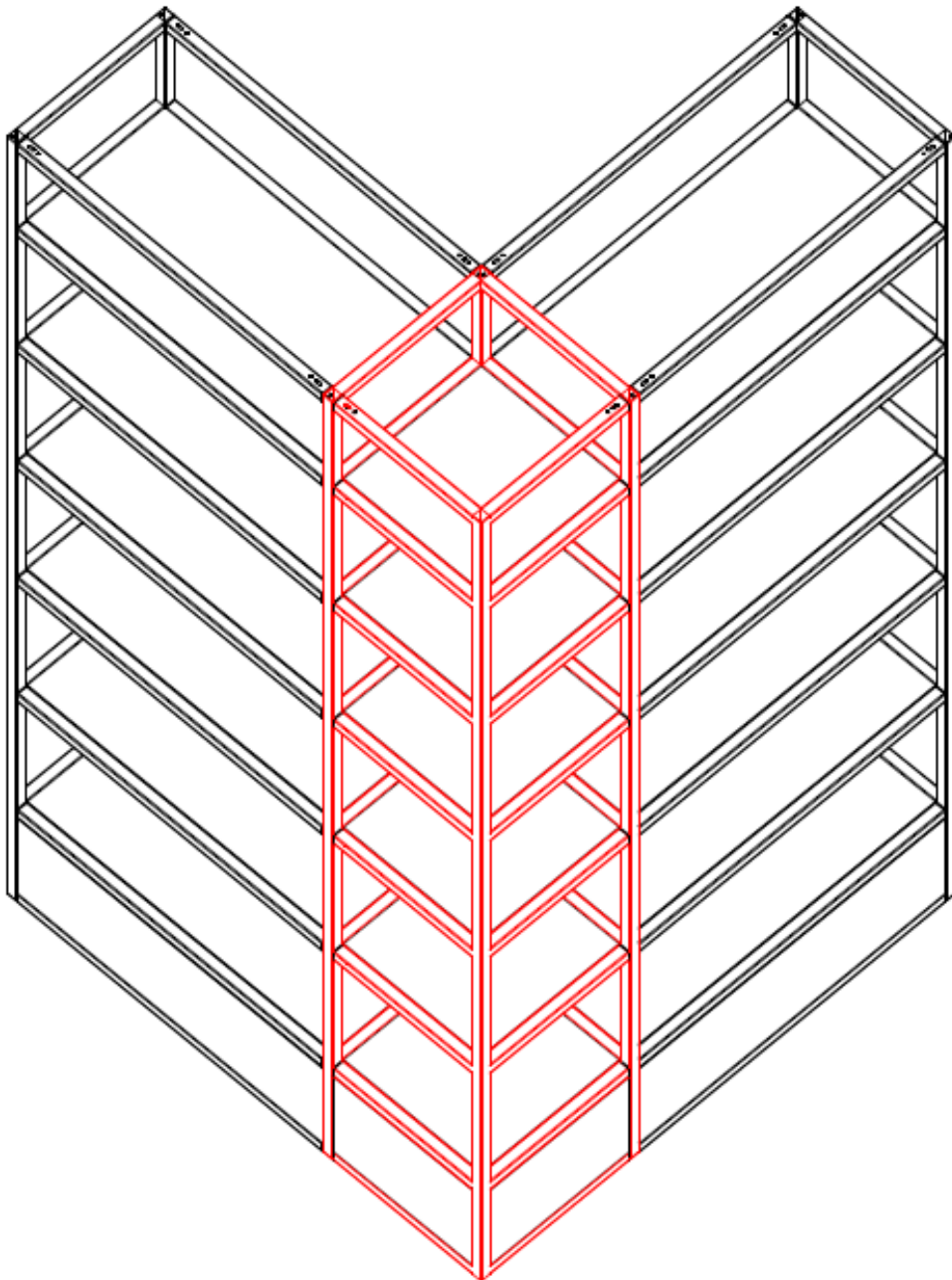
[Fig.: 400 system]

[4.1 Overview of the Corner modules]

Corner Module L

400_400

Connection of system depth
400 mm with 400 mm

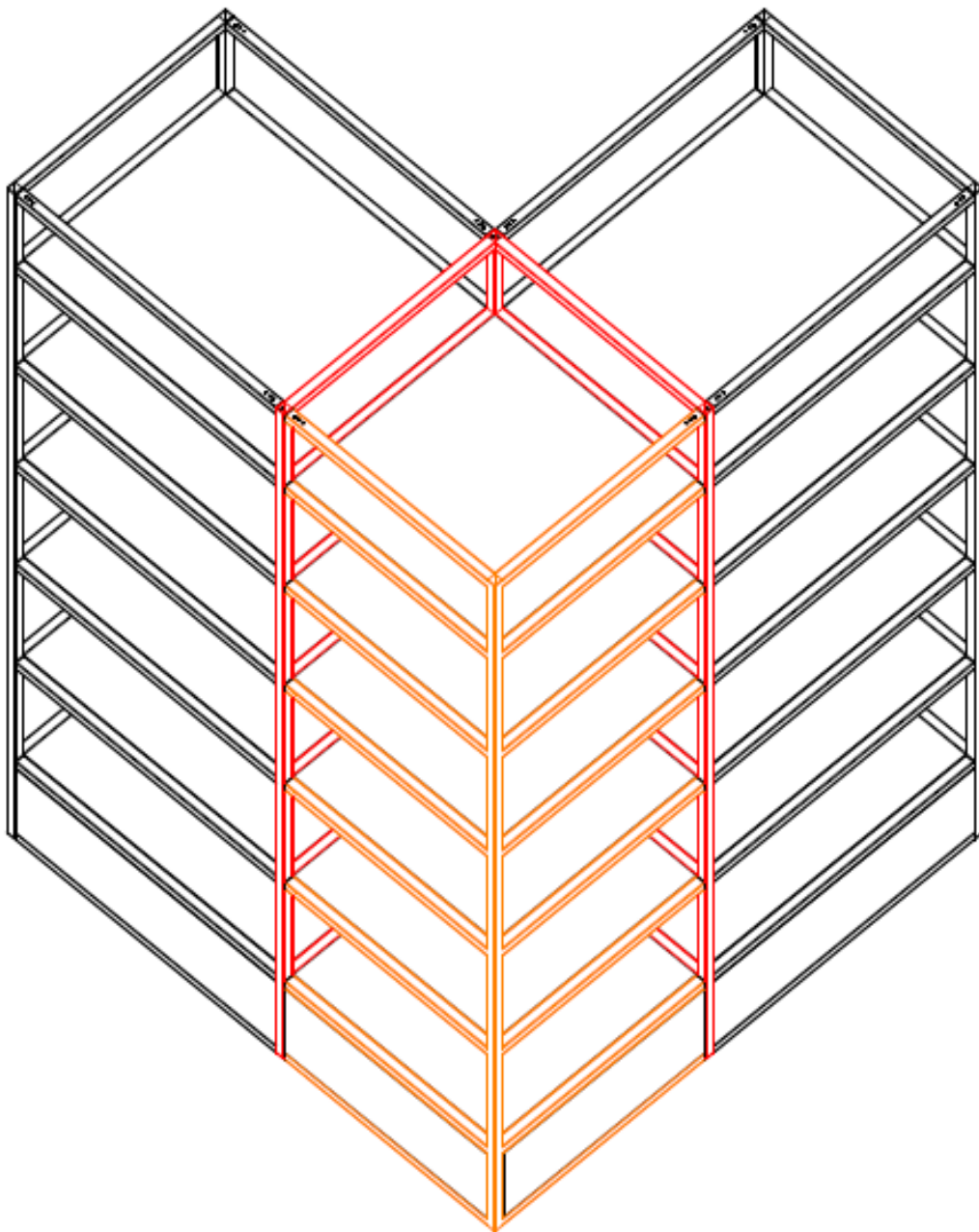


[Corner Module L 400_400]:
D 400 mm x W 400 mm x H 2360 mm]

[4.1 Overview of the Corner Modules]

Corner Module L 650_650

Connection of system depth
650 mm with 650 mm

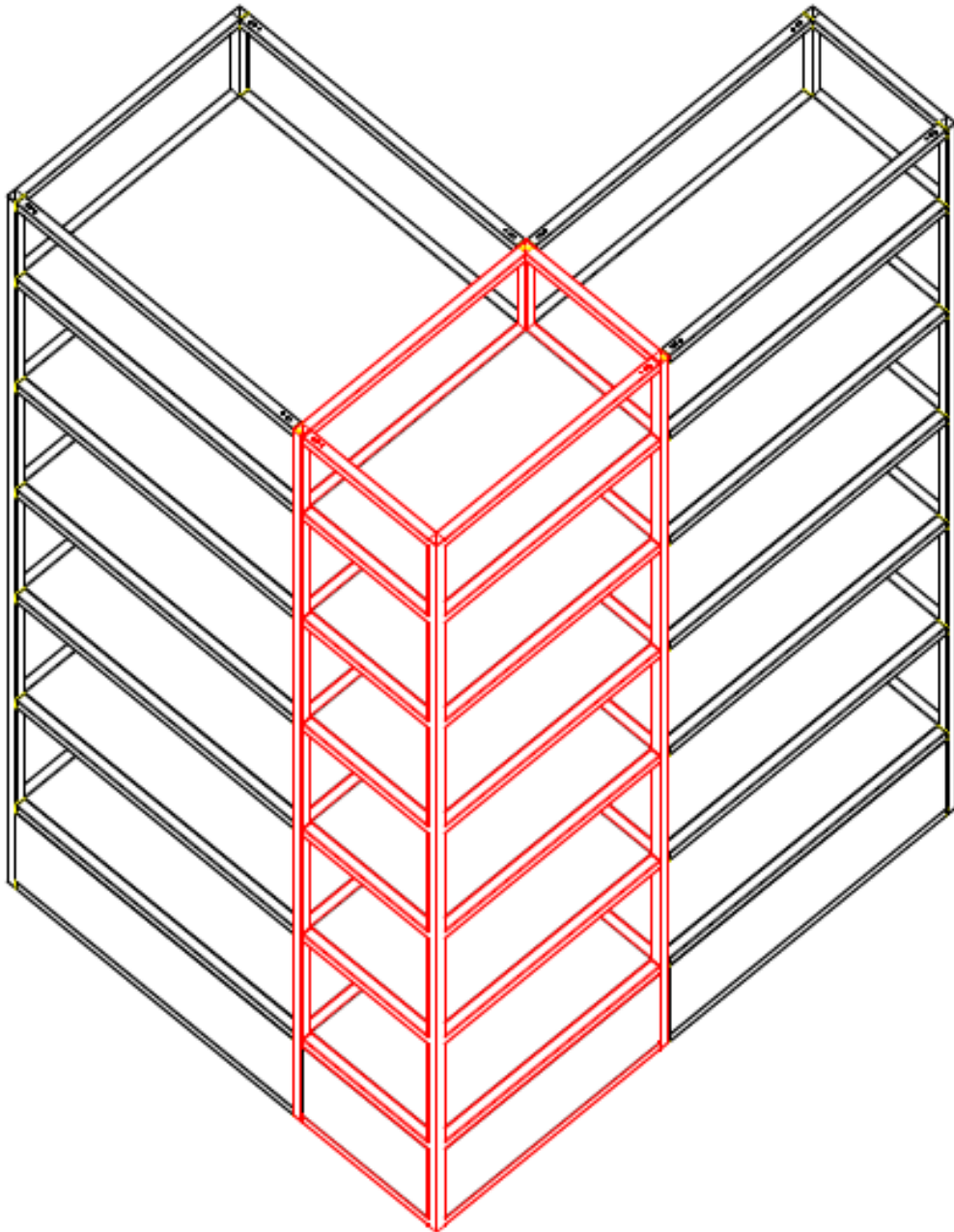


[Corner Module L 650_650]:
D 650 mm x W 650 mm x H 2360 mm]

[4.1 Overview of the Corner Modules]

Corner Module L 650_400 | 400_650

Connection of system depth
650 mm with 400 mm



[Corner Module L 650_400 | 400_650] :
D 650/400 mm x W 400/650 mm x H 2360 mm]

[4.2 Warnings and parts list of Module L]



Only expert assembly guarantees safe assembly and safe use. Therefore, the assembly should only be carried out by instructed and competent personnel.

These instructions apply to both the 400 and 650 systems unless additional notes are found.

Caution - Danger due to the furniture tipping over!

For this purpose, it is essential to comply with the requirements of the superstructure statics in chapter 11.

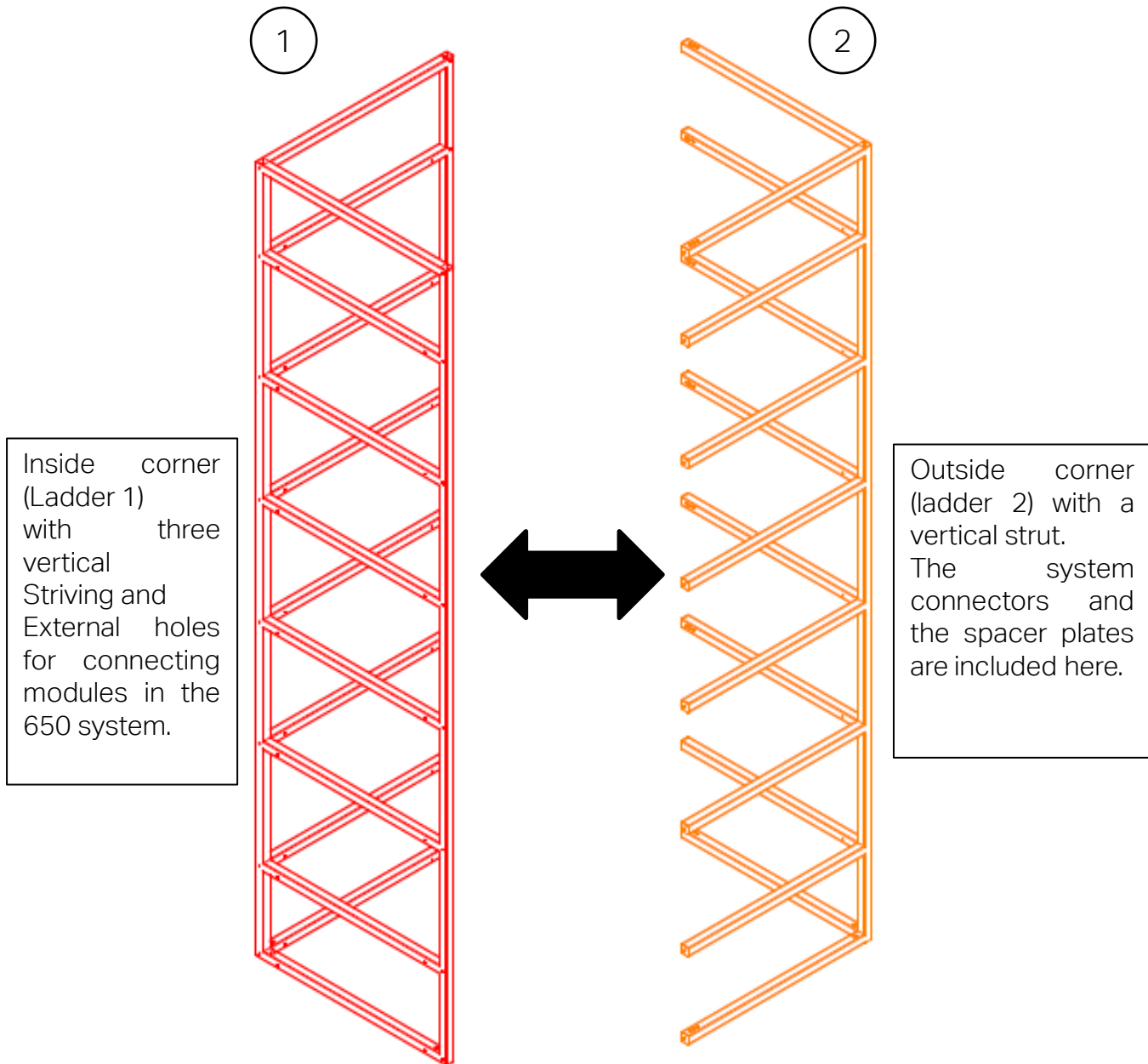
Module L [650 mm x 650 mm]

	Designation	Material	L x W x H (mm)	Number of pieces
1	Shelf	Wood-based material, coated	599 x 599 x 25	6
2	Corner ladder 1 (perforated on both sides)	Steel	650 x 650 x 2345 [25Ø]	1
3	Corner ladder 2 (not perforated)	Steel	623 x 623 x 2345 [25Ø]	1
4	Base cover	Wood-based material, coated	598 x 233 x 16	2

[4.3 Assembly overview of Module L]

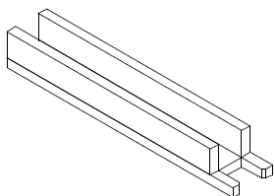
Module L - Corner modules

[Fig. 650 system]



[4.4 Tools and parts list of assembly fittings]

Needed are:



Assembly aid
250 x 44 x 34



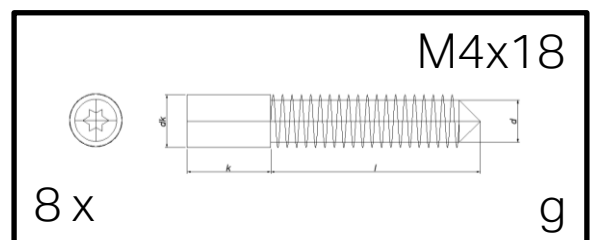
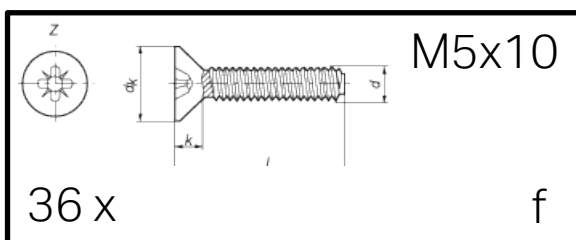
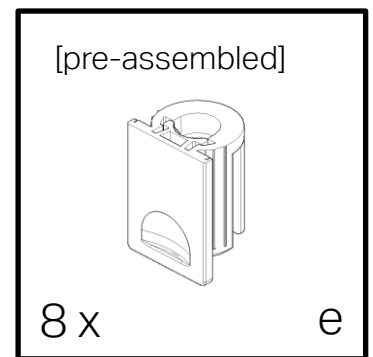
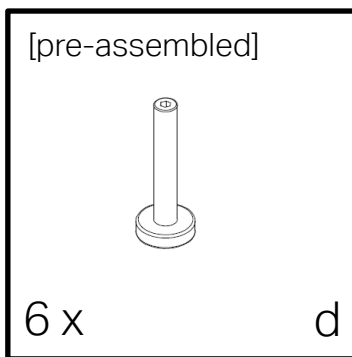
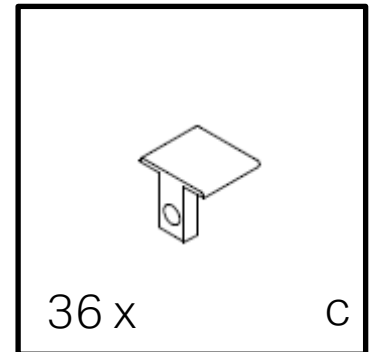
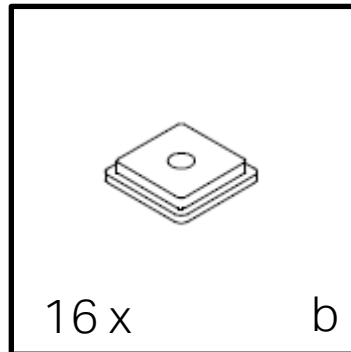
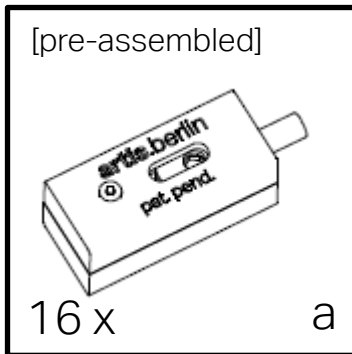
TX10
TX25
PZ2

Module L [650 mm x 650 mm]

	Designation	Material	Dimensions	Number of pieces
a	System connector	Plastic	48 x 20.6 x 20.6	16
b	Distance plate	Polyamide	25.3 x 25.3 x 5	16
c	Shelf support	Zinc	20 x 18 x 17	36
d	Adjustable foot	Metal	M10 x 60	6
e	Safety floor support	Plastic	22 x 16 x 13,6	8
f	Self-tapping screw	Steel	M5 x 10	36
g	Grub screw	Steel	M4 x 18	8

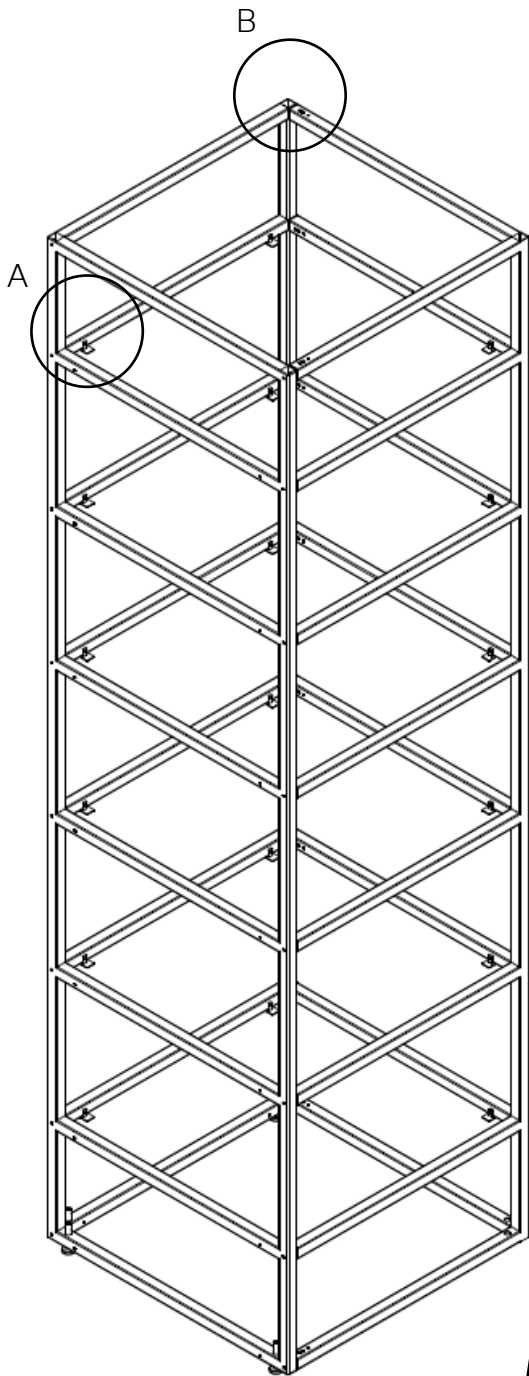
[4.5 Overview of mounting fittings]

Included are :



Here we go ...

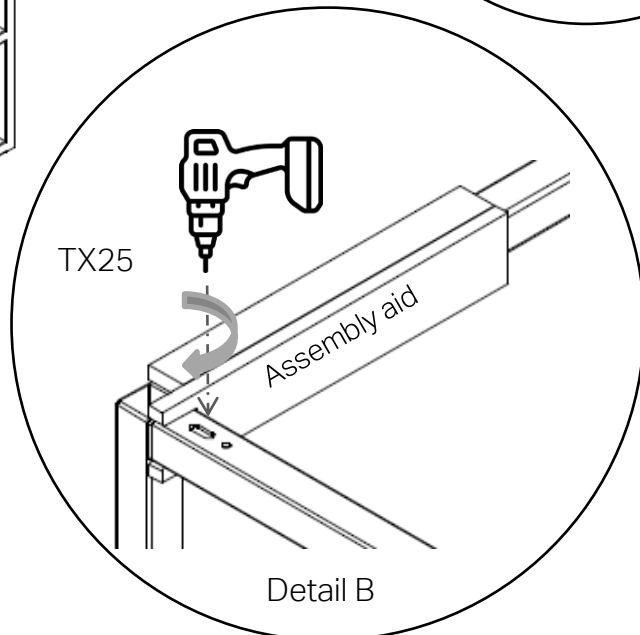
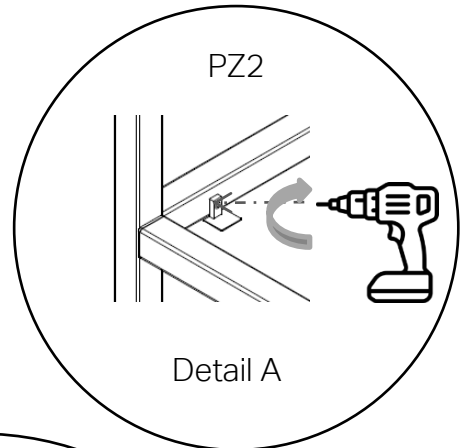
[4.6 Cross braces and shelves]



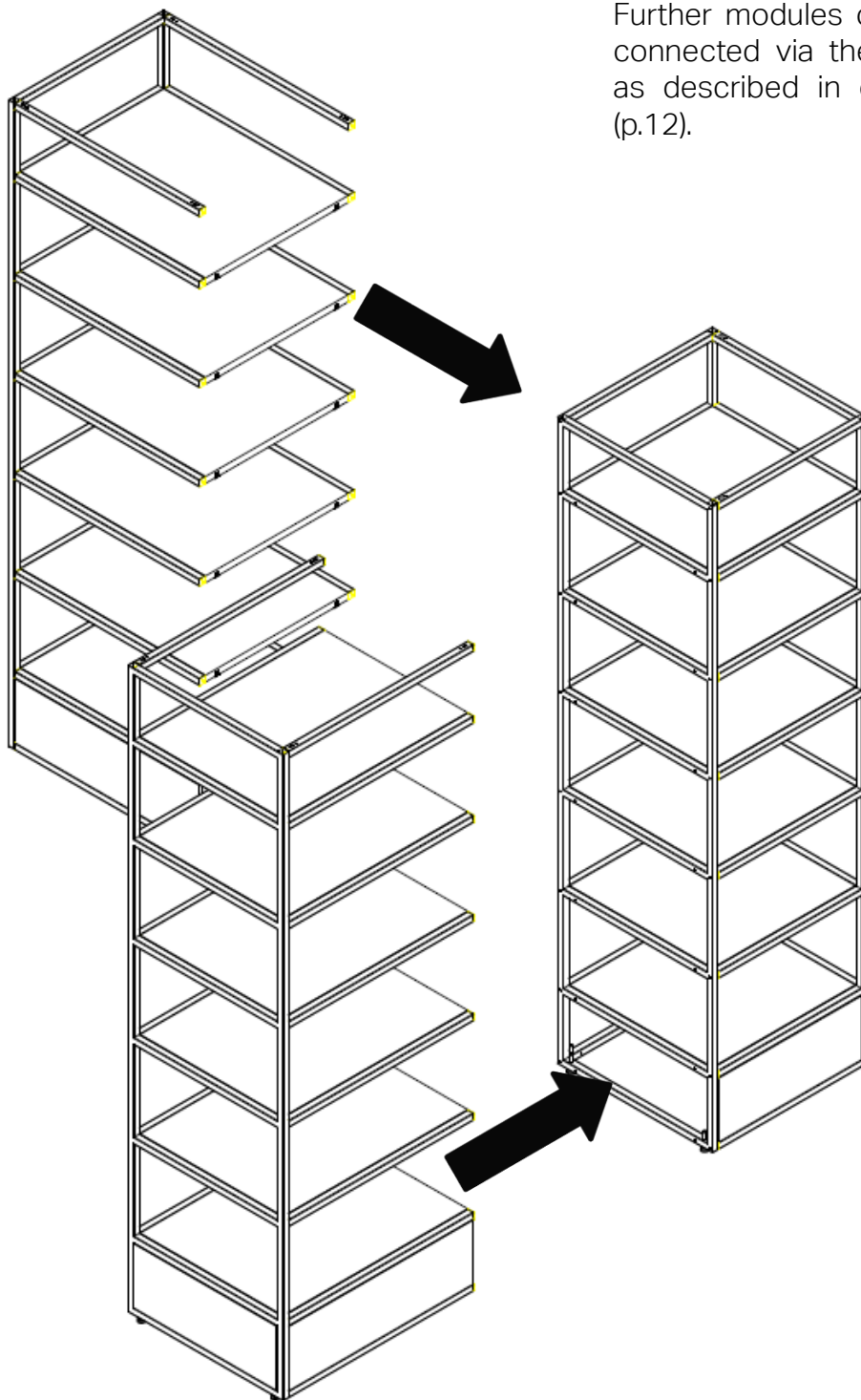
To begin with, the spacer plates (b) are placed on the cross braces of ladder 2 over the system connectors (a) pre-mounted in the cross braces.

The cross braces (incl. system connectors) of ladder 2 can then be positioned with the assembly aid on ladder 1 and bolted to it as shown in detail B.

Now it is possible to install 6 shelf supports on **each** level provided as shown in detail A. To do this, use the self-tapping screws (f) again. Finally, insert the shelves.



[4.7 Connecting the modules]



[This build-up process is representative of all the Supergrid™ corner modules].

Ready!

[5. Seating Modules]

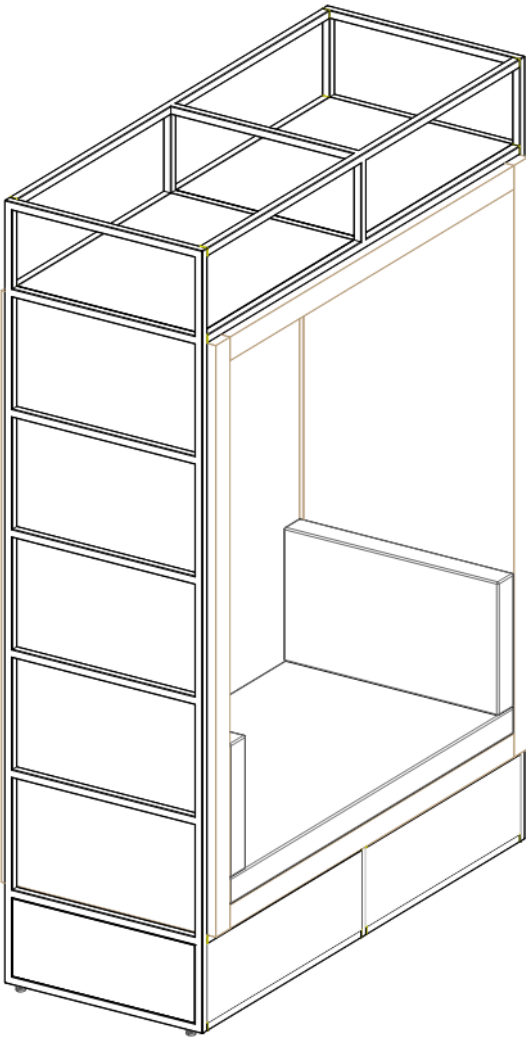
Structure of the Modules H & I



[Fig.: Module L_650 system]

[5.1 Overview of the Seating Modules]

Module H



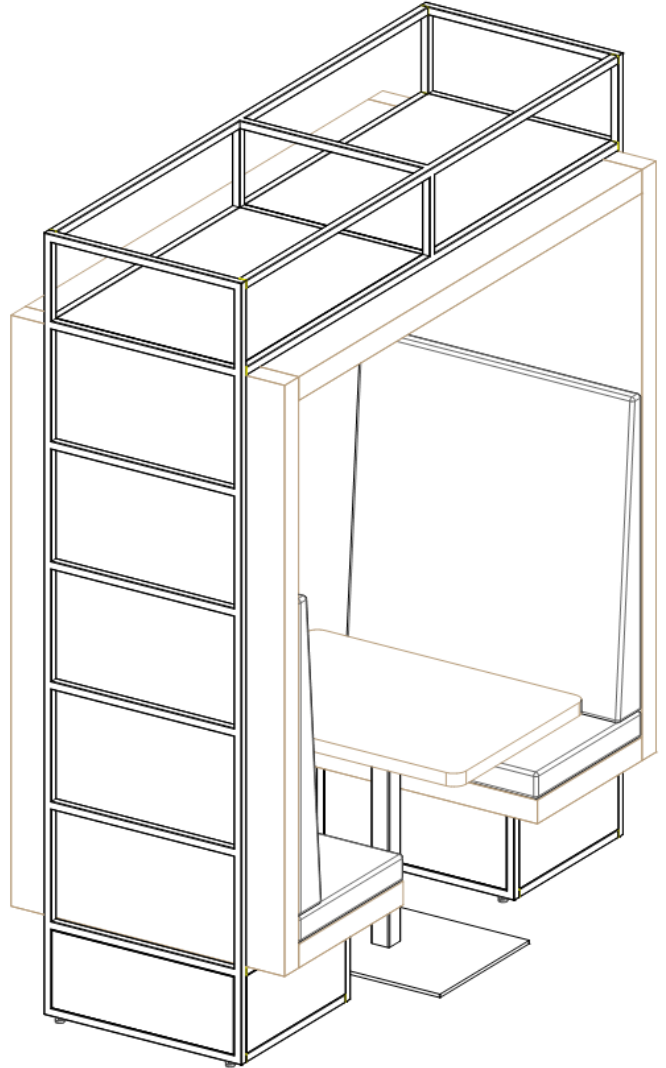
400 & 650 system :

[D 475 mm x W 1600 mm x H 2360 mm]

[D 725 mm x W 1600 mm x H 2360 mm]

With/without back wall

Module I



650 system :

[D 900 mm x W 1900 mm x H 2360 mm]

With high/low backrest and

with/without back wall

[5.2 Warnings and parts list of module I]



Only expert assembly guarantees safe assembly and safe use. Therefore, the assembly should only be carried out by instructed and competent personnel.

These instructions apply to both the 400 and 650 systems unless additional notes are found.

Caution - Danger due to the furniture tipping over!

For this purpose, it is essential to comply with the requirements of the superstructure statics in chapter 11.

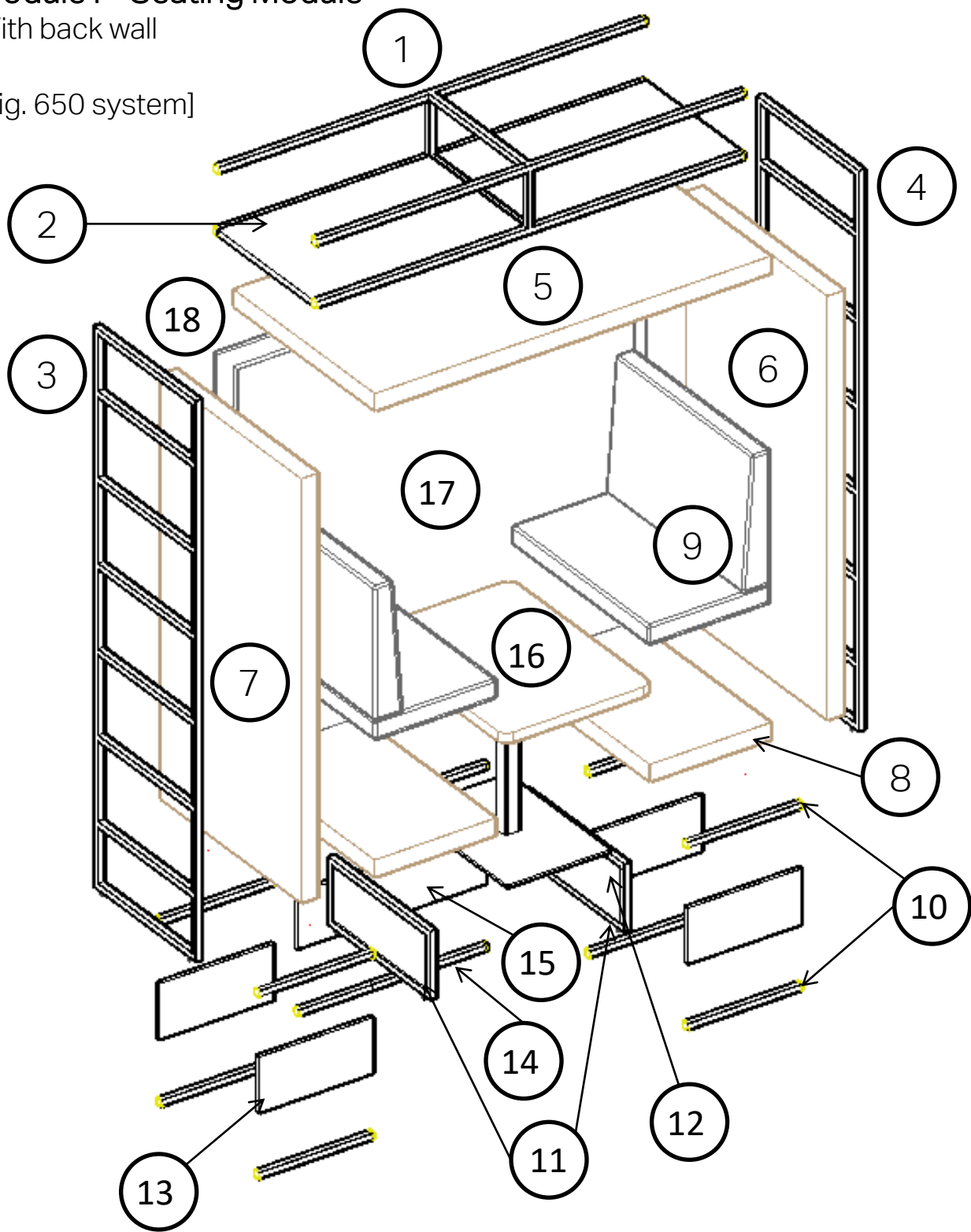
Module I with rear wall [650 - system]

	Designation	Material	L x W x H (mm)	Number of pieces
1	Top drawer	Steel	1871 x 650 x 285	1
2	Shelf	Wood-based material, coated	924 x 599 x 25	2
3	Ladder 1 (perforated on one side)	Steel	650 x 24 x 2345	1
4	Ladder 2 (perforated on both sides)	Steel	650 x 25 x 2345	1
5	Top shelf incl. 8 x eccentric connectors	Veneered/HPL	1730 x 900 x 72	1
6	Page Right	Veneered/HPL	1773 x 900 x 72	1
7	Page Links	Veneered/HPL	1773 x 900 x 72	1
8	Seat incl. 4 eccentric connectors	Veneered/HPL	527 x 900 x 72	2
9	Back and seat cushion	Fabric of choice	531 x 872 x 363	4
10	Cross strut short	Steel	496 x 233 x 25	8
11	Ladder L 31	Steel	650 x 285 x 25	2
12	Side panel	Wood-based material, coated	598 x 233 x 16	2
13	Base cover short	Wood-based material, coated	498 x 233 x 16	4
14	Cross strut long	Steel	821x 25 x 25	2
15	Plinth cover long	Wood-based material, coated	823 x 233 x 16	1
16	Table	Steel & Veneer/HPL	900 x 650 x 731	1
17	Interior rear wall	Wood-based material, coated/ Upholstery fabric	1700 x 1730 x 11	1
18	External rear wall	Wood-based material, coated/ Upholstery fabric	937 x 1773 x 19	2

[5.3 Assembly overview Module I]

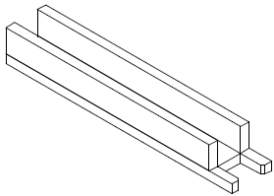
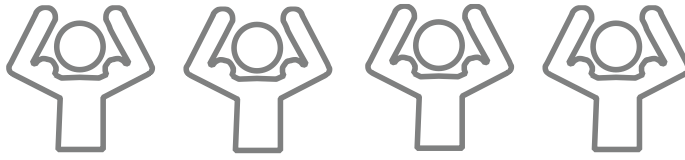
Module I - Seating Module With back wall

[Fig. 650 system]



[5.4 Tools and parts list of assembly fittings]

Required are :



Assembly aid
250 x 44 x 34



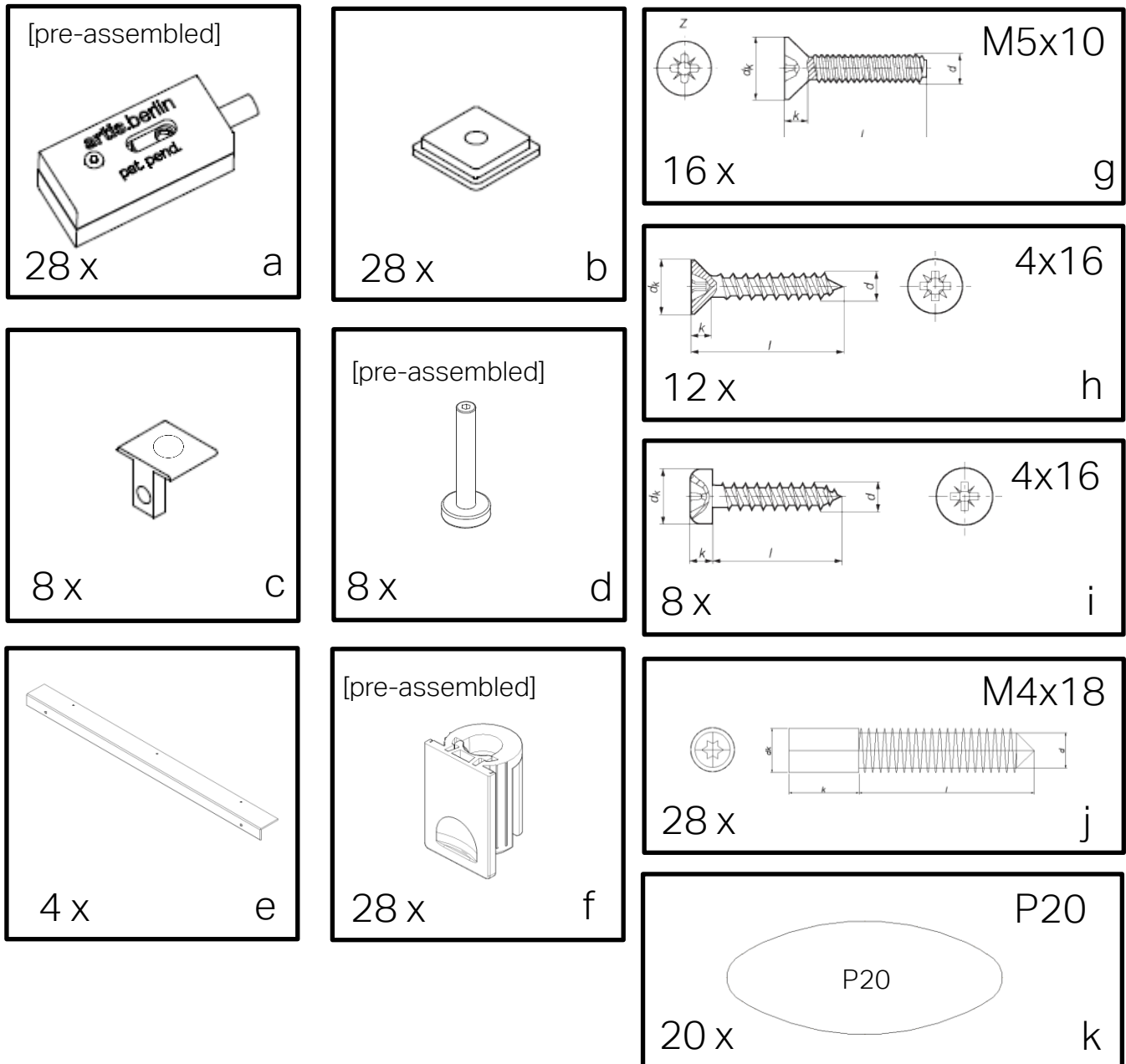
TX10
TX25
PZ2
Hexagon socket size 6

Module I with rear wall [650 - system]

	Designation	Material	Dimensions	Number of pieces
a	System connector	Plastic	48 x 20.6 x 20.6	28
b	Distance plate	Polyamide	25.3 x 25.3 x 5	28
c	Shelf support perforated	Zinc	20 x 18 x 17	8
d	Adjustable foot	Metal	M10 x 60	8
e	Support angle (wide)	Steel	45 x 598 x 3	4
f	Grub screw	Steel	M4 x 18	28
g	Self-tapping screw	Steel	M5 x 10	16
h	Countersunk screw	Galvanised steel	4 x 16	12
i	Pan Head Screw	Galvanised steel	4 x 16	8
j	Floor safety beam	Plastic	22 x 16 x 13,6	28
K	Shaped springs (P20)	Wood	56 x 23 x 4	20

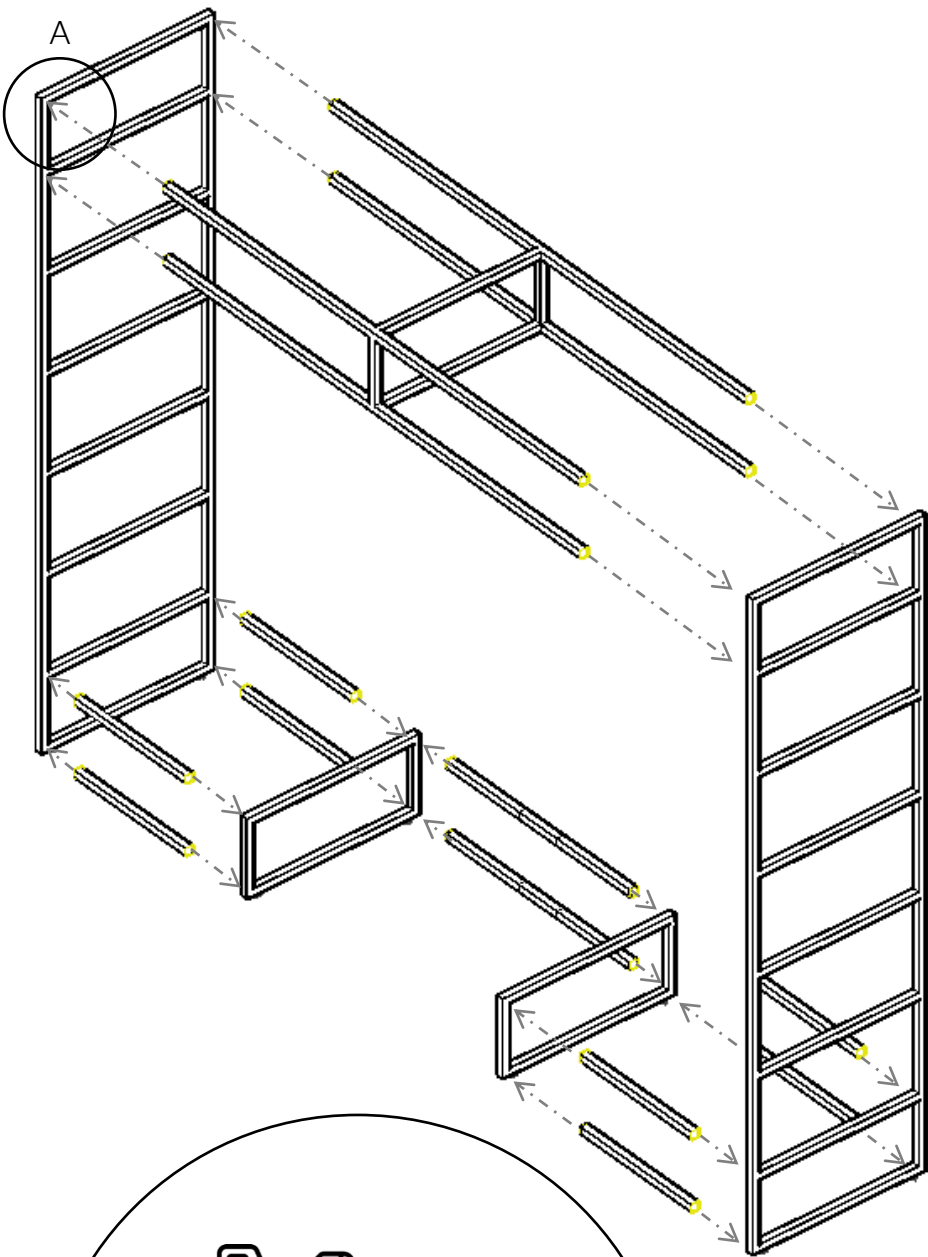
[5.5 Overview of assembly fittings]

Included are :



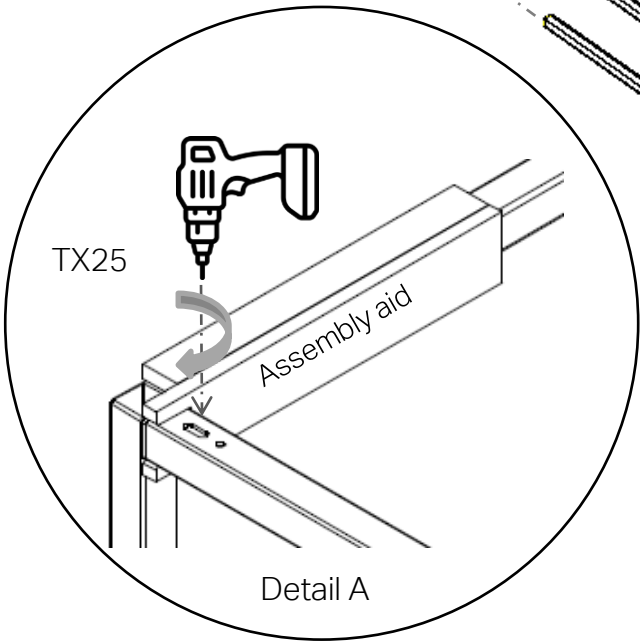
Here we go ...

[5.6 Structure of the basic construction of Module I]



First attach the cross braces (10, 14) and the top beam (1) to the ladders (3, 4, 11) using the assembly aid as shown, attached as shown in detail A. Described in detail in chapter 2.6 (p.12).

Then the perforated shelf supports can be attached to the lower level of the top beam as described in detail in chapter 3 - Carcases (p.24, 25).

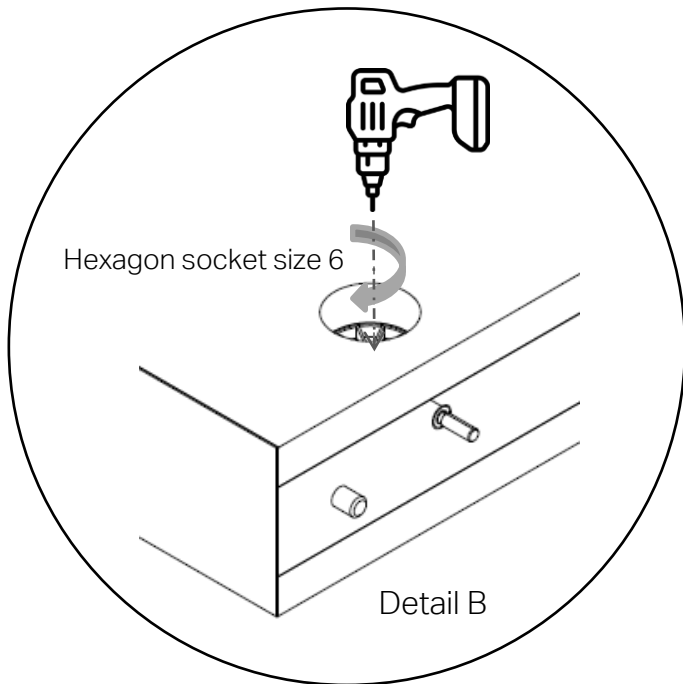
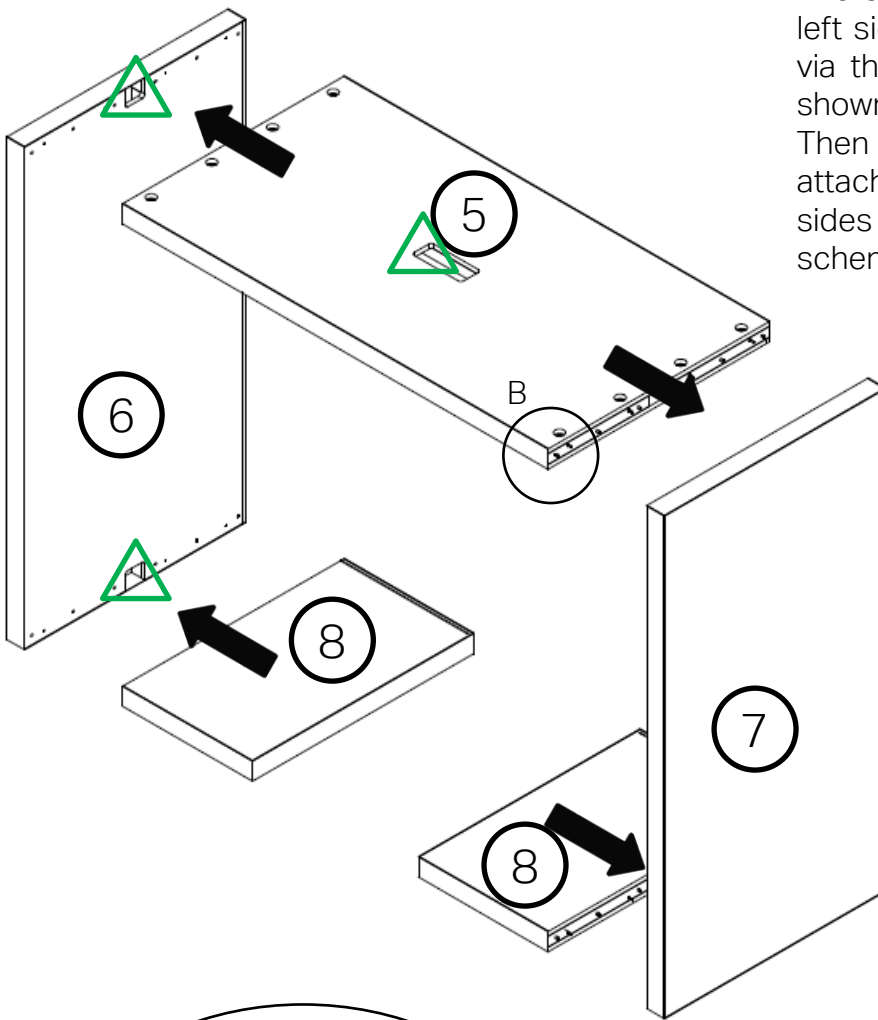


For the best results, see "Tips and tricks" from page 79.

[5.7 Assembly of the bench]

The seat (8) is attached with the left side (6) and the right side (7) via the eccentric connectors as shown in detail B.

Then the top shelf (5) can be attached with the left and right sides according to the same scheme.



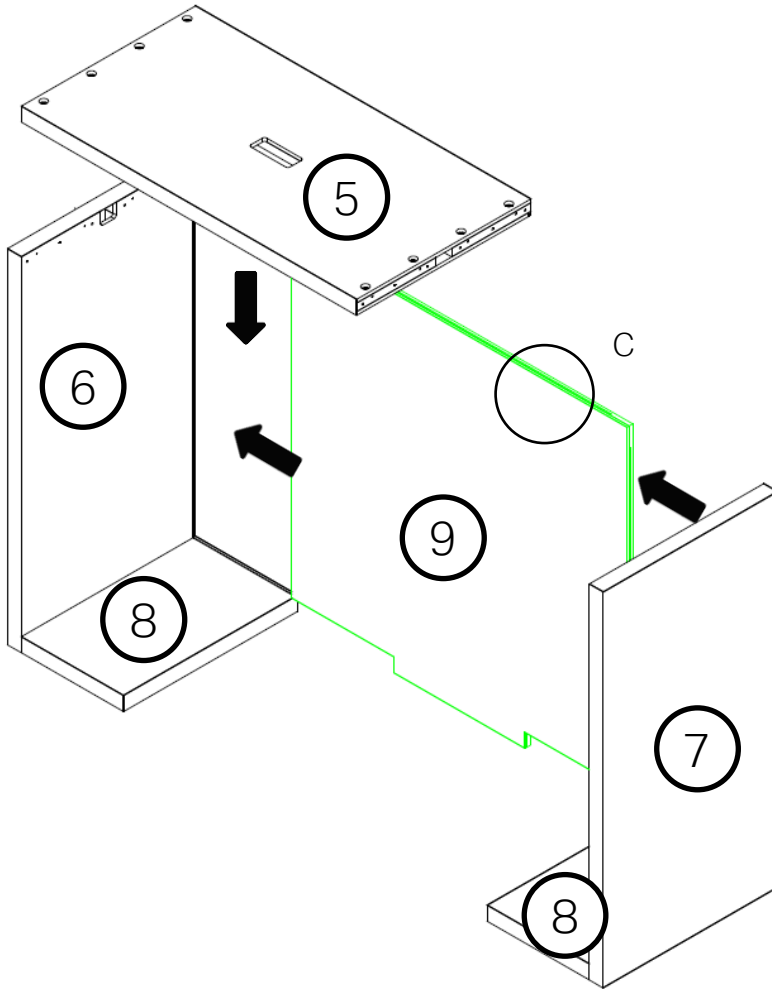
If the module does not have a back panel, the next step can be skipped.



If a lamp is to be hung, the cable can be fed through the (green) marked points.

Don't panic: This is also possible afterwards.

[5.8 Inserting the inside rear wall]



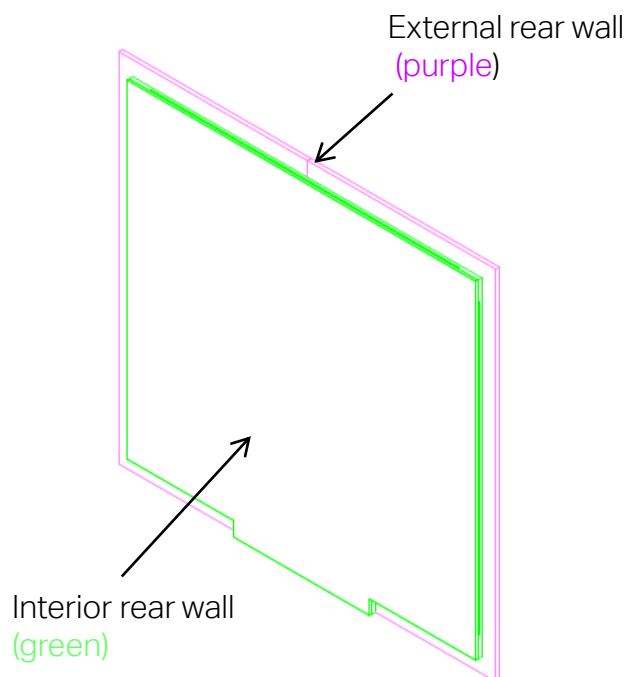
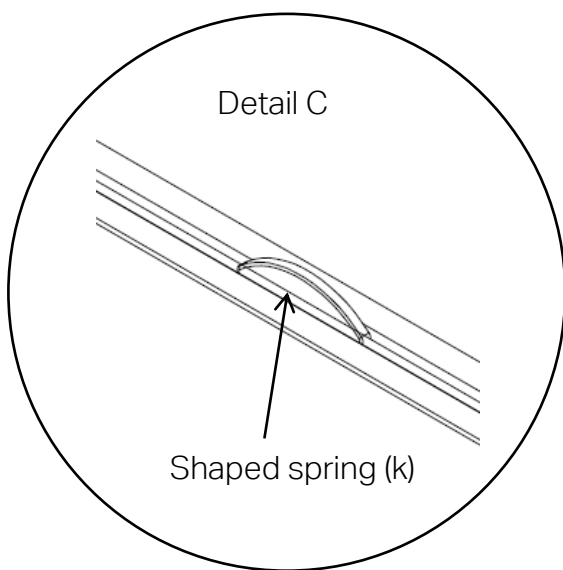
Shaped springs (k) are distributed over the groove of the inner back wall (9) as shown in detail C.

Then attach the seat (8) with the side left (6) as described in chapter 5.7.

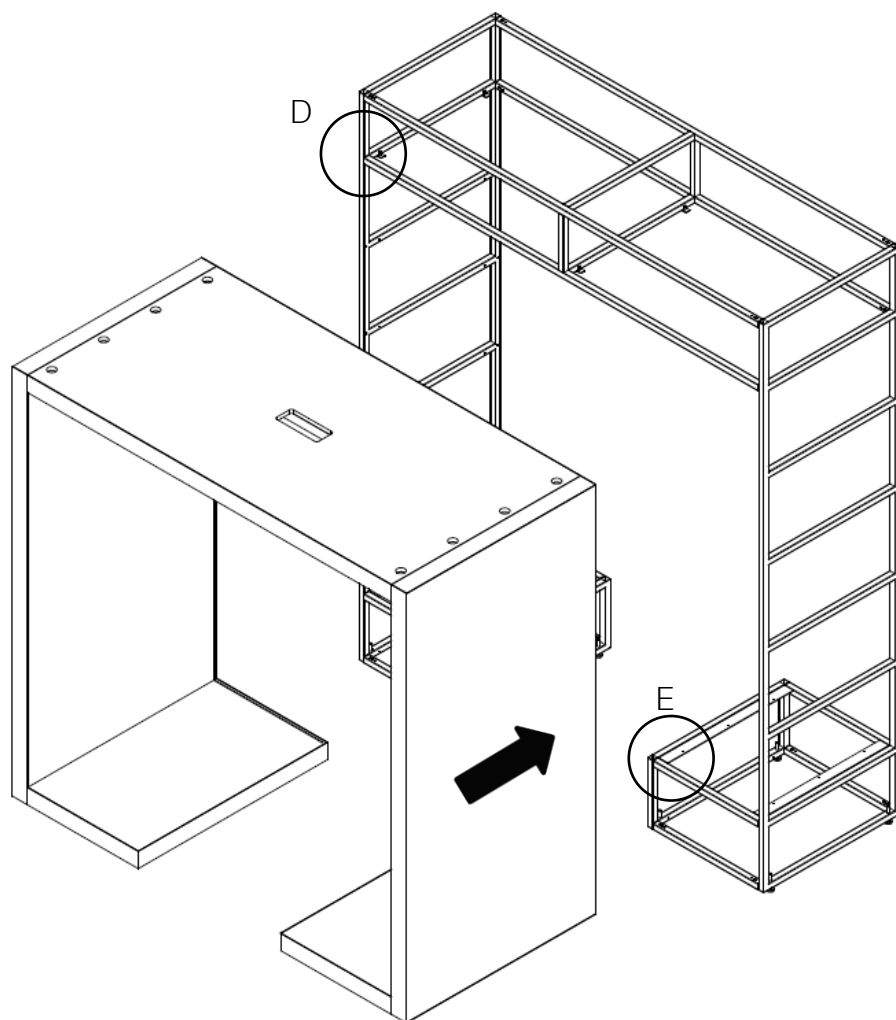
Now the inside back wall can be inserted into the groove of the seat surface and side wall left via the shaped springs (a).

Then put on the top shelf (5) and connect it to the side left (6).

Finally, the element consisting of the seat (8) and the side to the right (7) is pushed together with the rest of the furniture and fastened to the top floor using the eccentric connectors.



[5.9 Merging the bench and the module support]

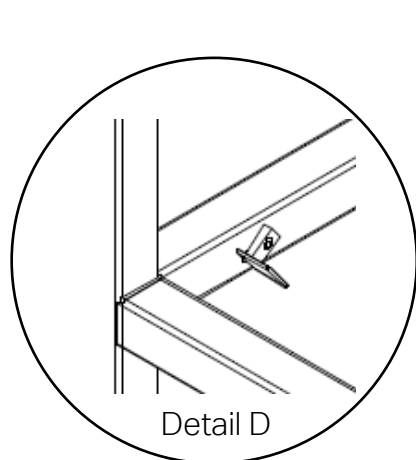


All floor beams are now aligned as shown in detail D.

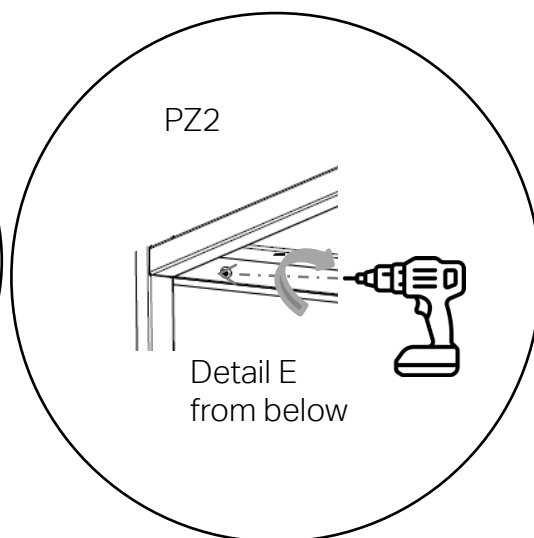
The support brackets are attached to the lower cross braces with the self-tapping screws (g) as shown in detail E, as already known. Described in detail in chapter 3 - Carcases (p.24).

Now the bench can be inserted over the support brackets (e) in the direction of the arrow.

The bench is not firmly screwed to the module support until it has been precisely aligned and the outer rear wall has been fitted.



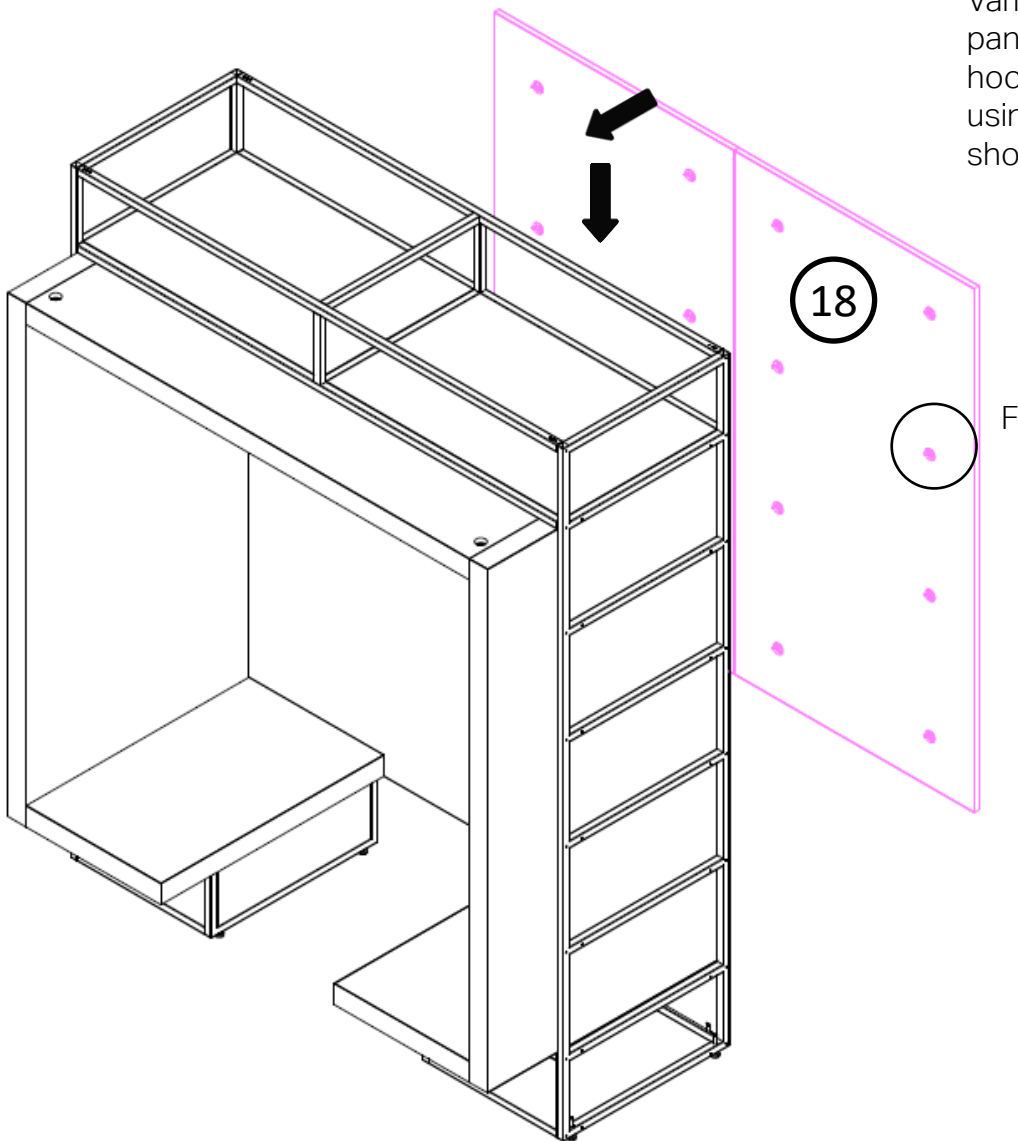
Detail D



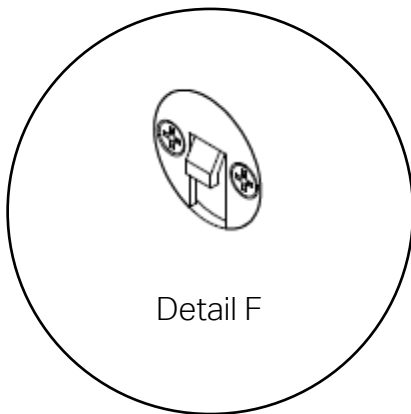
PZ2

Detail E
from below

[5.10 Insert outer rear wall]

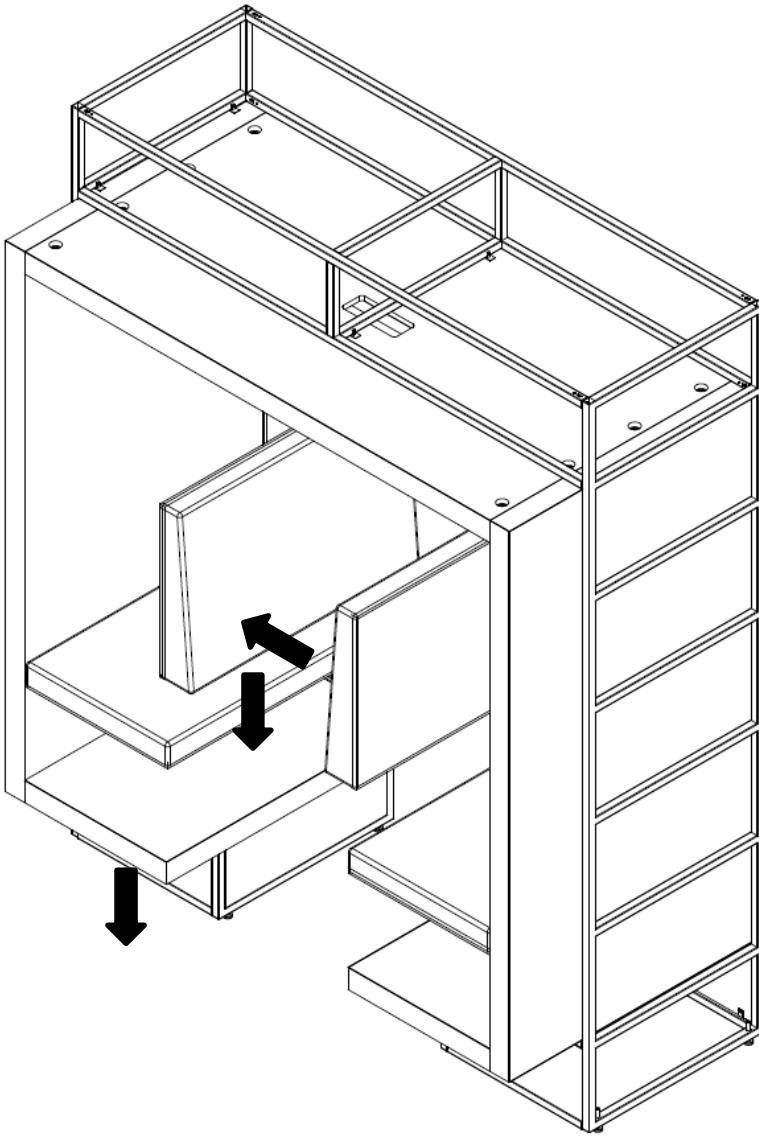


Various exterior back panels (18) can be hooked in effortlessly using the connector shown in detail F.



The connector is inserted into the counterpart from above. This connector and its counterpart are pre-assembled in both the inner and outer back wall. The carcass of the bench should protrude beyond the basic construction for hanging in the back wall. After hanging in, the carcass can be pushed into its final position.

[5.11 Adjusting and fastening]



The bench including back panels is placed in the desired position.

Then the bench can be fixed over all 4 support brackets from below with the countersunk screw (h) to the pre-drilled holes.

The seat is fixed from above via the floor supports with the pan head screw (i) (see chap. 3.9, p.26).

Now insert the shelves (2). After that, all plinth panels can be mounted as described in detail in chapter 2.8 from p.14.

Finally, the back and seat cushions are brought into position and fastened with pre-assembled Velcro.

[This build-up process is representative of all the Supergrid™ seat modules].

Ready!

[6. Desk Modules]

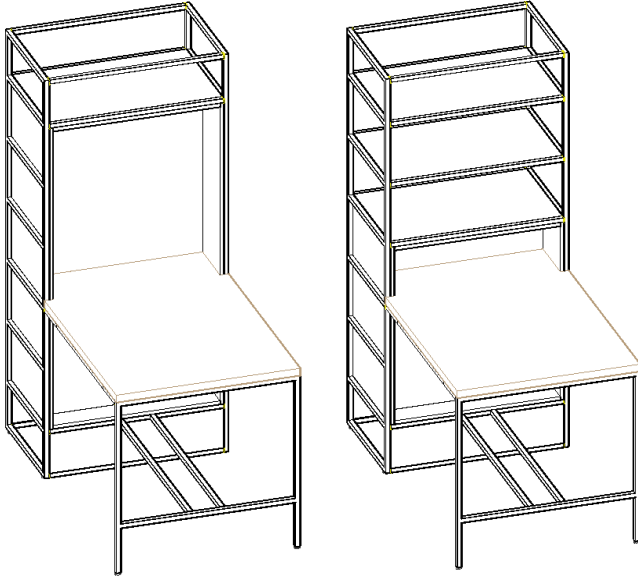
Structure of the Modules F & G



[Fig.: Module G_650 system]

[6.1 Overview of the Desk Modules]

Module F



400 system :

[D 1600 mm x W 1025 mm x H 2360 mm]

With large or small

Carcase with additional shelves.

650 system :

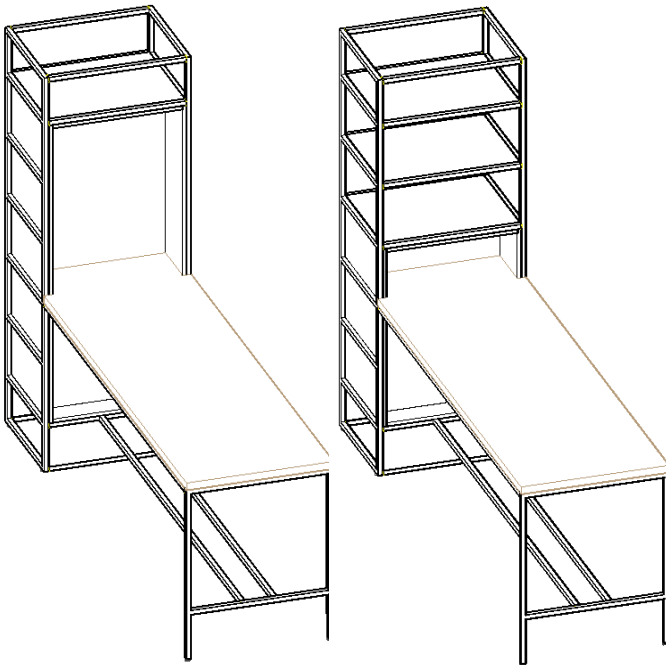
[D 1850 mm x W 1025 mm x H 2360 mm]

With large or small

Carcase with additional shelves.

Each with filing cabinet or shelf
on the back.

Module G



400 system :

[D 2800 mm x W 825 mm x H 2360 mm]

With large or small

Carcase with additional shelves.

650 system :

[D 3050 mm x W 825 mm x H 2360 mm]

With large or small

Carcase with additional shelves.

Each with filing cabinet or shelf
on the back.

[6.2 Warnings and parts list of Module G]



Only expert assembly guarantees safe assembly and safe use. Therefore, the assembly should only be carried out by instructed and competent personnel.

These instructions apply to both the 400 and 650 systems unless additional notes are found.

Caution - Danger due to the furniture tipping over!

For this purpose, it is essential to comply with the requirements of the superstructure statics in chapter 11.

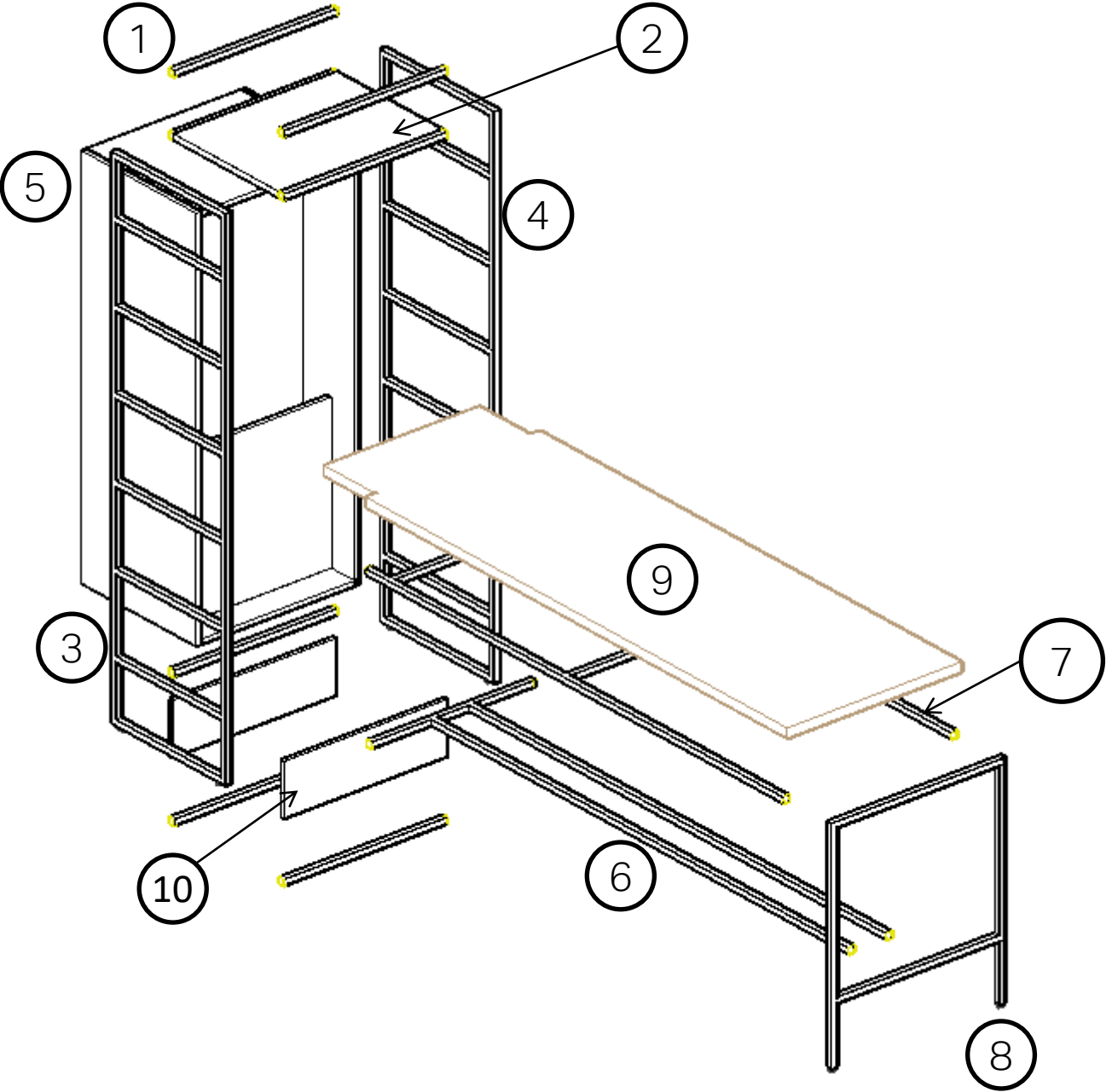
Module G [650 - System]

	Designation	Material	L x W x H (mm)	Number of pieces
1	Cross strut (incl. system connector)	Steel	771x 25 x 25	5
2	Shelf	Wood-based material, coated	774 x 599 x 25	1
3	Ladder 1 (perforated on one side)	Steel	650 x 25 x 2345	1
4	Ladder 2 (perforated on both sides)	Steel	650 x 25 x 2345	1
5	Basic corpus module G	Wood-based material, coated	650 x 773 x 1173	1
6	Table frame u.	Steel	2398 x 771 x 25	1
7	Table frame o.	Steel	2371 x 825 x 25	1
8	Foot stand	Steel	825 x 25 x 1005	1
9	Table top	Veneered/HPL	2691 x 825 x 41	1
10	Base cover	Wood-based material, coated	773 x 233 x 16	2

[6.3 Assembly overview of Module G]

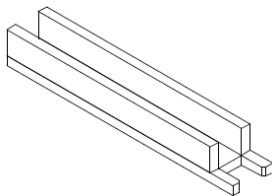
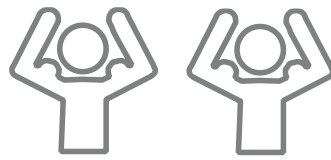
Module G - Desk module

[Fig. 650 system]



[6.4 Tools and parts list of assembly fittings]

Required are :



Assembly aid
250 x 44 x 34



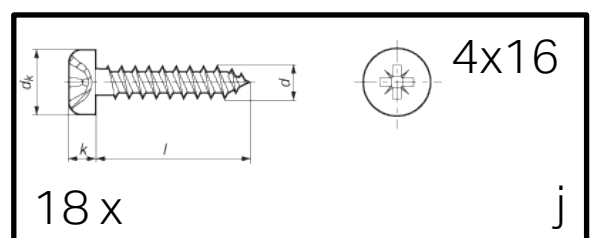
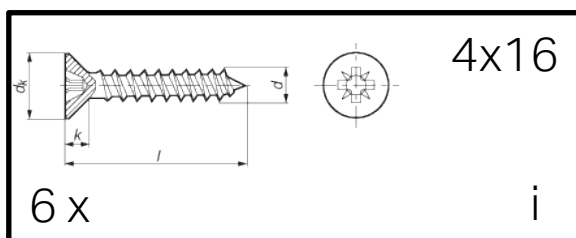
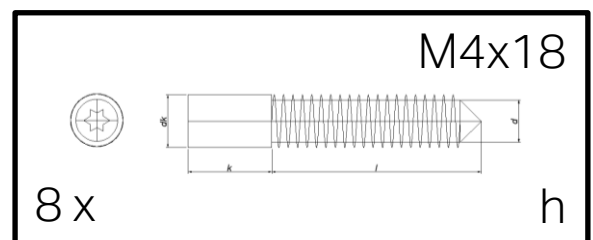
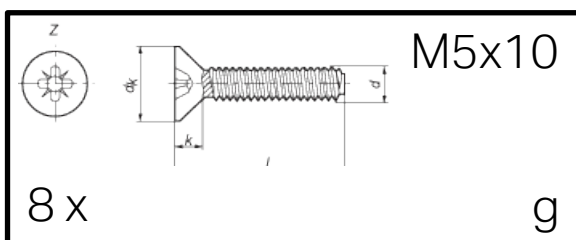
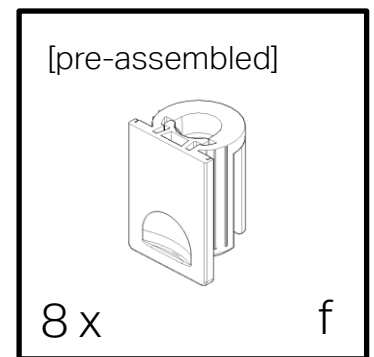
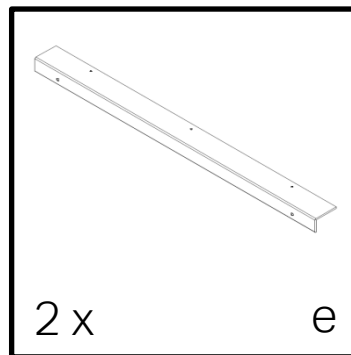
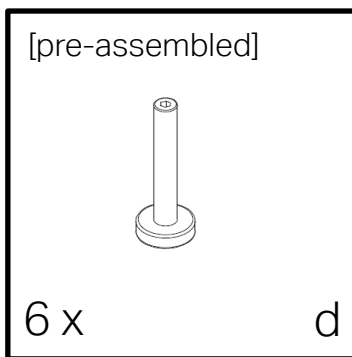
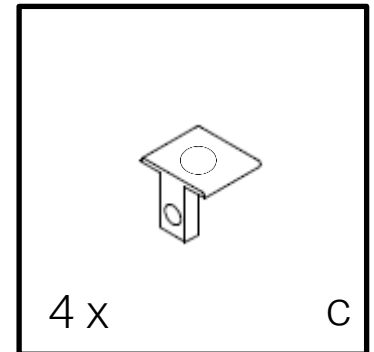
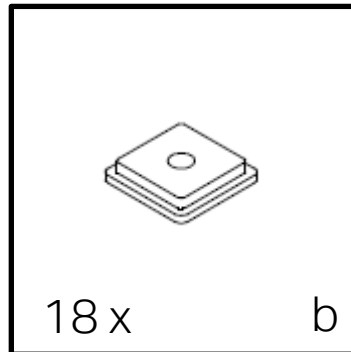
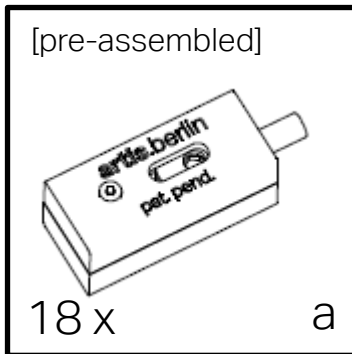
TX10
TX25
PZ2

Module G [650 - System]

	Designation	Material	Dimensions	Number of pieces
a	System connector	Plastic	48 x 20.6 x 20.6	18
b	Distance plate	Polyamide	25.3 x 25.3 x 5	18
c	Shelf support perforated	Zinc	20 x 18 x 17	4
d	Adjustable foot	Metal	M10 x 60	6
e	Support angle (wide)	Steel	45 x 598 x 3	2
f	Floor safety beam	Plastic	22 x 16 x 13,6	8
g	Self-tapping screw	Steel	M5 x 10	8
h	Grub screws	Steel	M4 x 18	8
i	Countersunk screw	Galvanised steel	4 x 16	6
j	Pan Head Screw	Galvanised steel	4 x 16	18

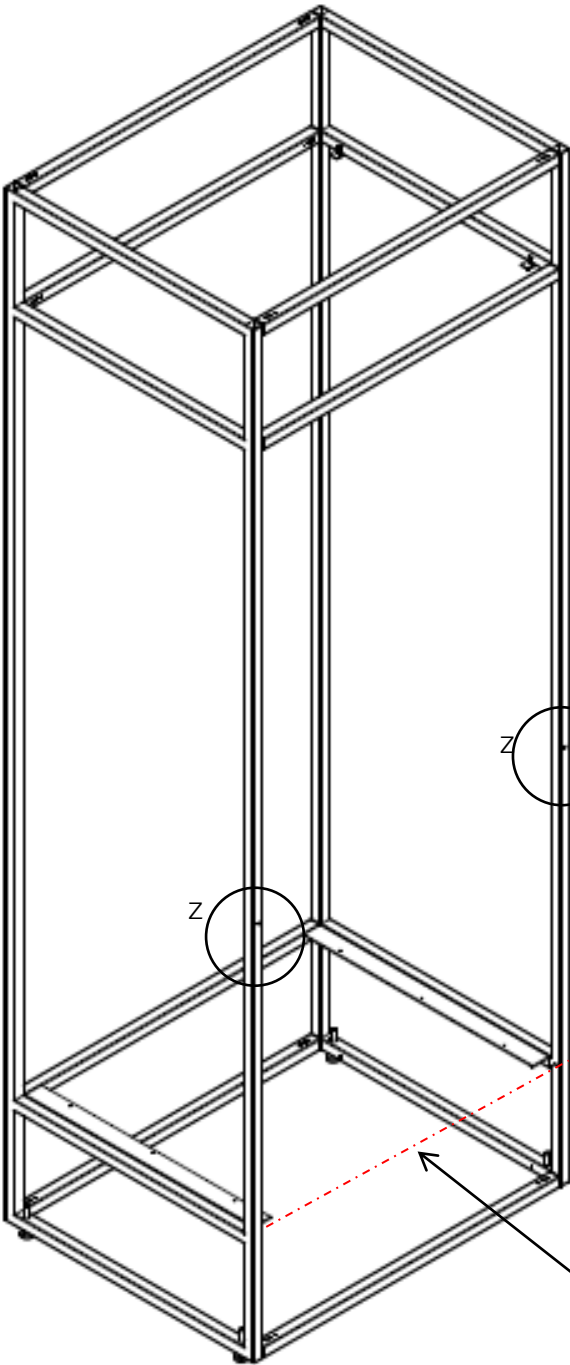
[6.5 Overview of assembly fittings]

Included are :



Here we go ...

[6.6 Structure of the basic construction of Module G]



The basic construction of Module G is to be set up as described in Chapter 3 - Corpus (p.23/24).

Special features:

The internal thread (z) of the ladders point in the direction of the tabletop to be mounted.

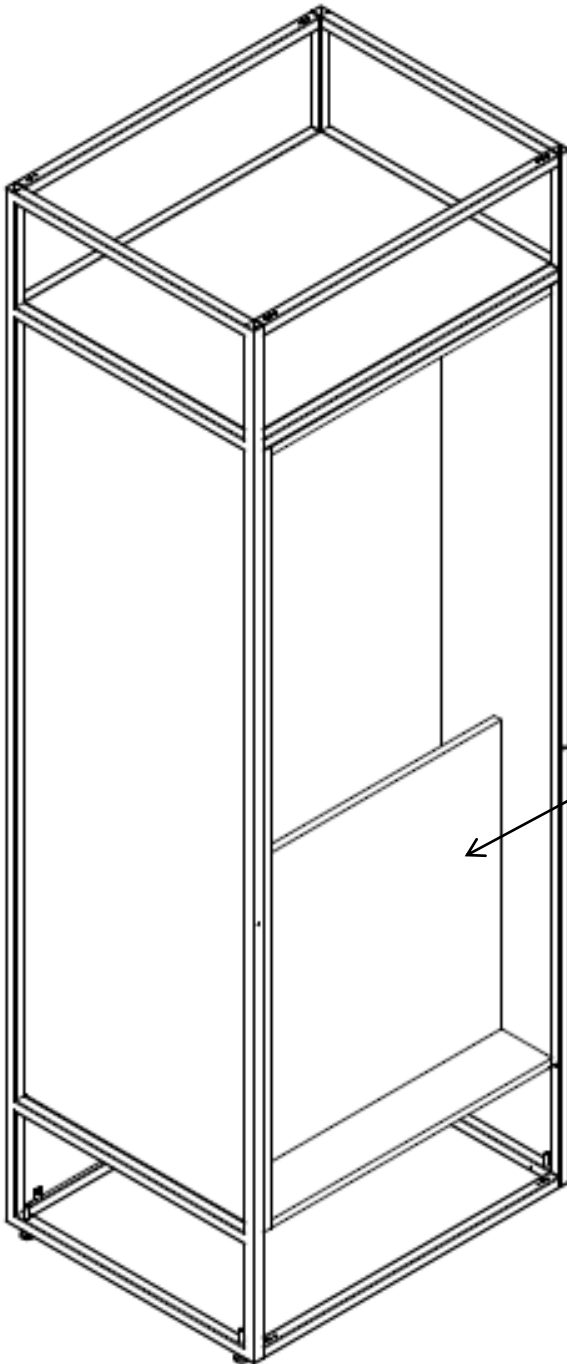
The upper frame of the table is attached here.

At the point with the dashed line (red), no cross brace is installed.

The lower frame of the table will be connected here later.

Do not install a cross strut here!

[6.7 Corpus]



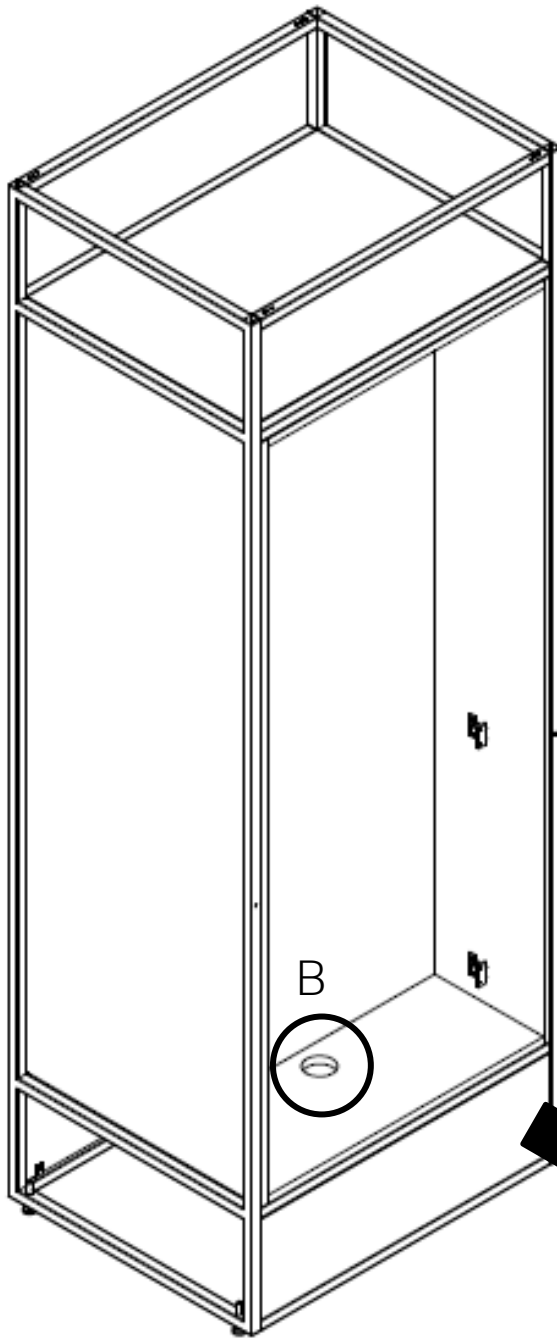
The corpus (5) is inserted and fixed as described in chapter 3 - Corpus (p. 25).

After that, the shelf can be inserted at the top.

The panel (A) pre-mounted in the carcass is clipped in via a pre-mounted fitting and can be easily removed.

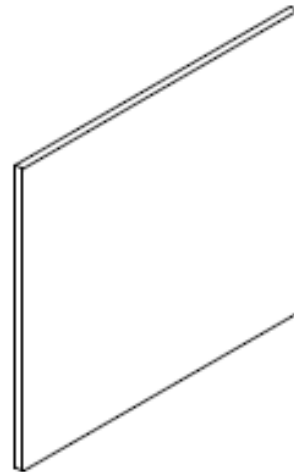
This serves as a visual screen for the cable shaft behind it.

[6.8 Cable routing]



The cover (A) can be removed from the fitting using a glass suction cup. Any cables that may be required can then be professionally routed and maintained behind it.

A hole (B) in the base of the cabinet is used to feed cables through from the plinth area to the inside of the cabinet.



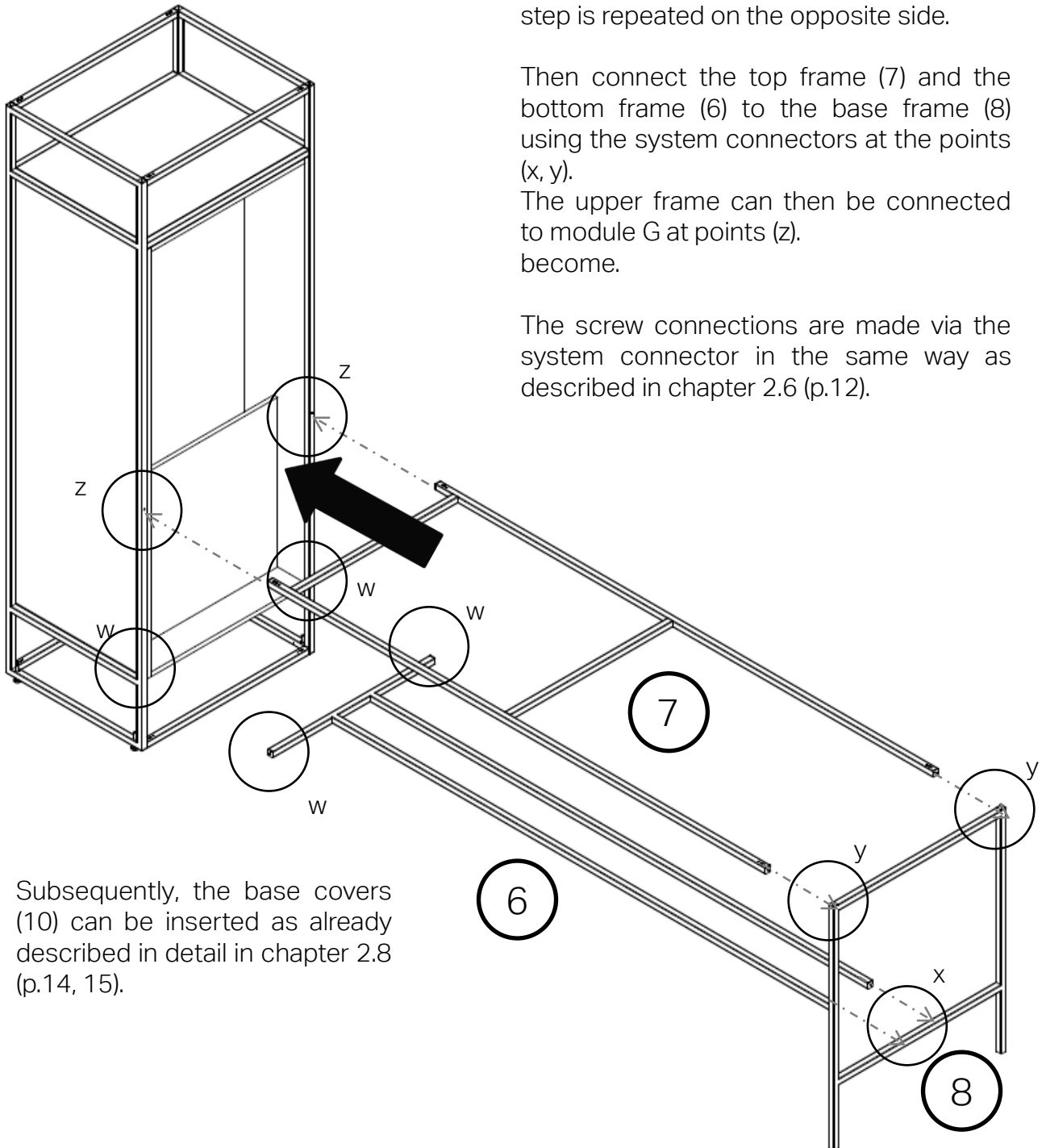
[6.9 Merging the Desk module and furniture comp.]

The bottom frame (6) is now brought together with the assembled basic construction + carcass and screwed in place (w) via the system connector. This step is repeated on the opposite side.

Then connect the top frame (7) and the bottom frame (6) to the base frame (8) using the system connectors at the points (x, y).

The upper frame can then be connected to module G at points (z).
become.

The screw connections are made via the system connector in the same way as described in chapter 2.6 (p.12).



Subsequently, the base covers (10) can be inserted as already described in detail in chapter 2.8 (p.14, 15).

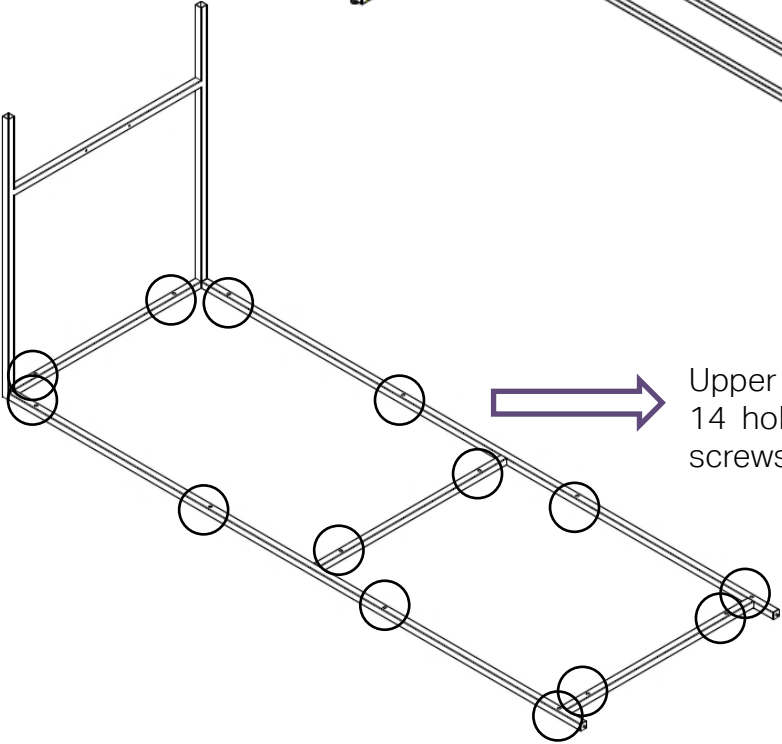
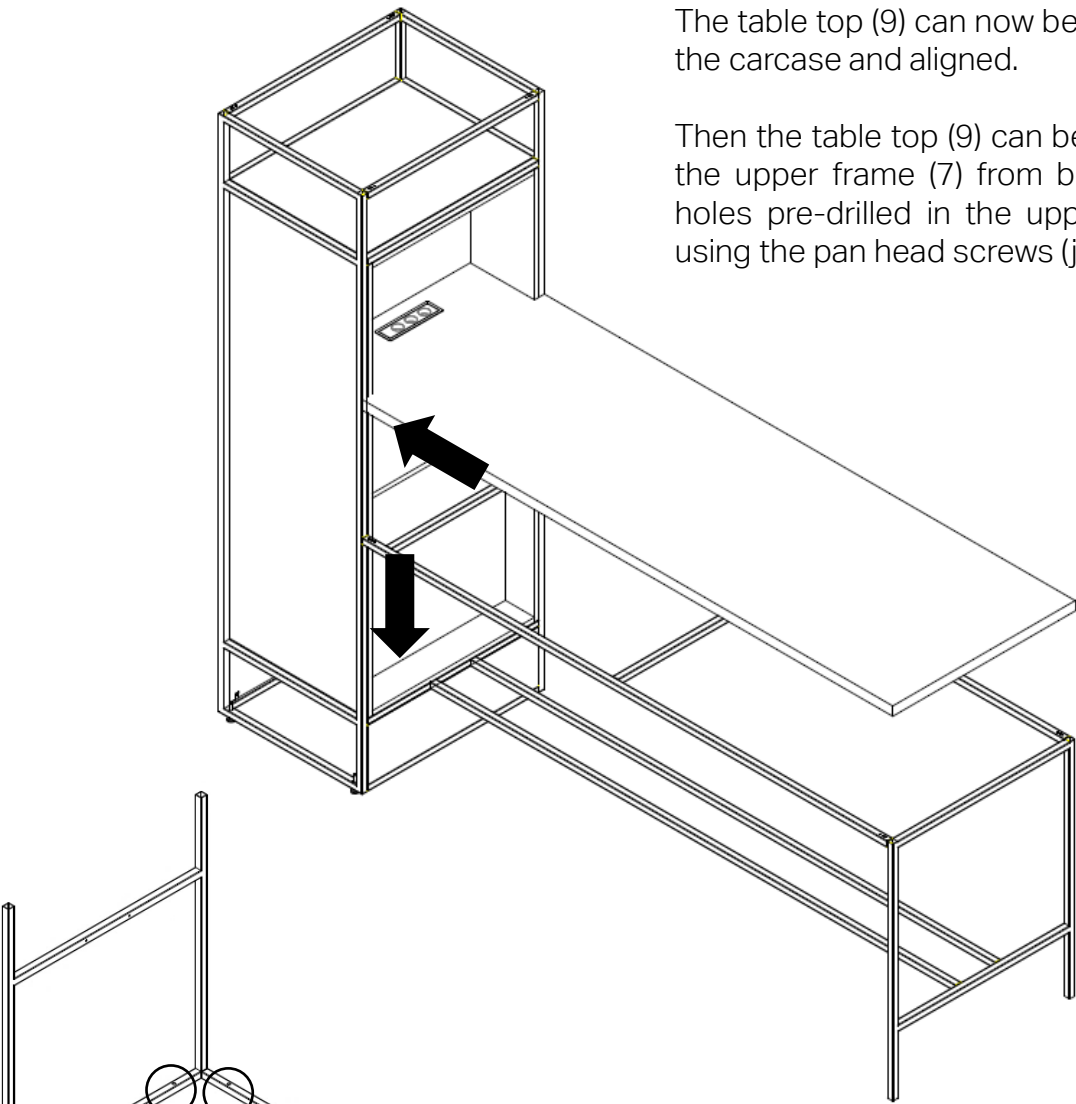


Note the order of the screw connections (w, x, y, z).

[6.10 Attach table top]

The table top (9) can now be pushed into the carcase and aligned.

Then the table top (9) can be screwed to the upper frame (7) from below via the holes pre-drilled in the upper frame (7) using the pan head screws (j).



Upper table frame seen from below. The 14 holes are marked for the pan head screws.



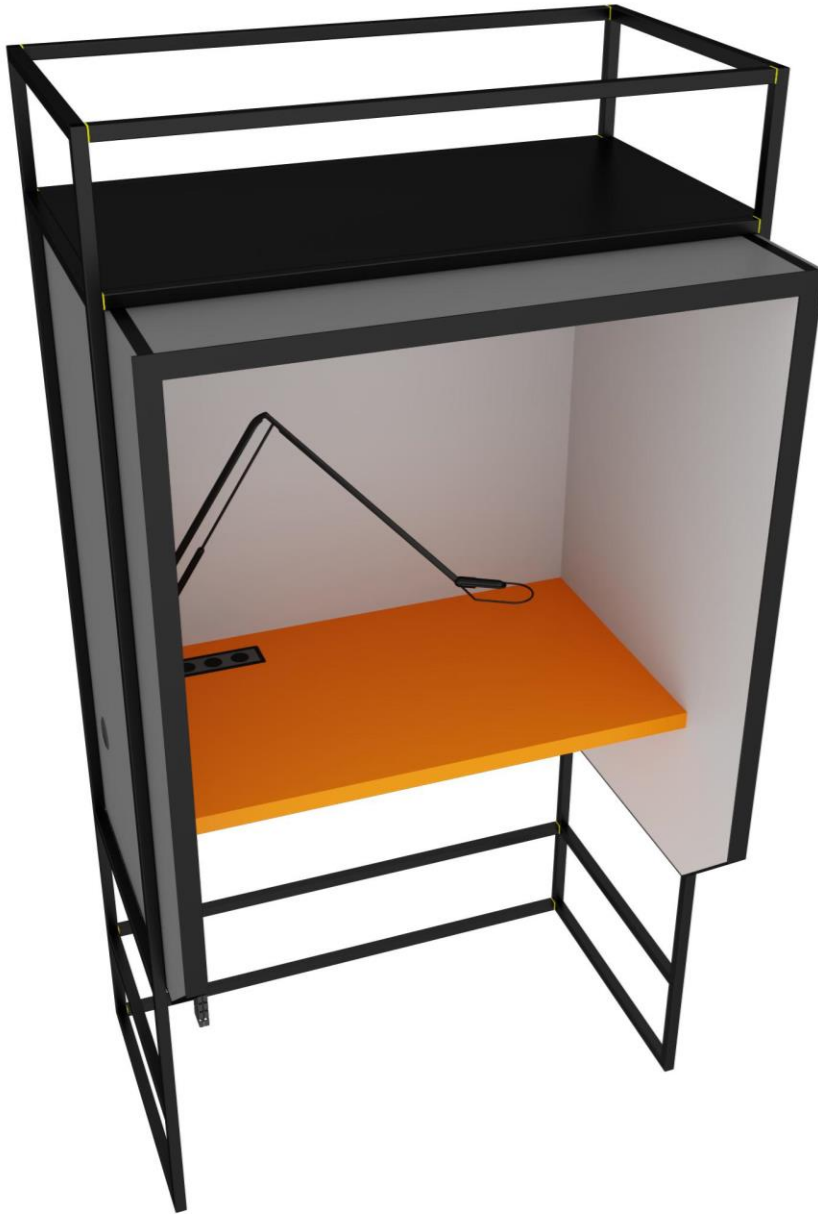
10 holes with small table top.

[This set-up process is representative of all the Supergrid™ table modules].

Ready!

[7. Quiet Workstation Modules]

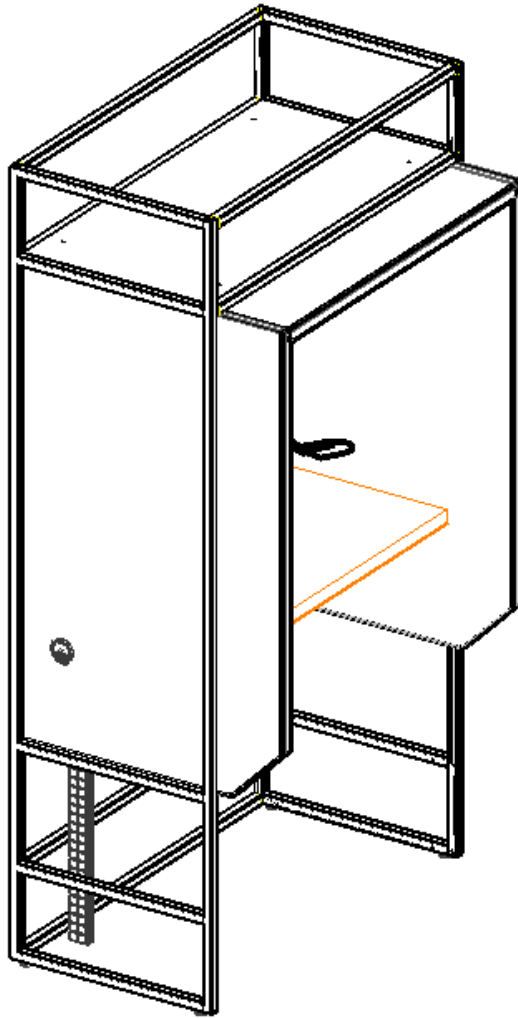
Structure of Module K



[Fig.: Module K_650 system]

[7.1 Overview of the Quiet Workstation Modules]

Module K



650 system :

[D 861 mm x W 1225 mm x H 2360 mm]

[7.2 Warnings and parts list of Module K]



Only expert assembly guarantees safe assembly and safe use. Therefore, the assembly should only be carried out by instructed and competent personnel.

These instructions apply to both the 400 and 650 systems unless additional notes are found.

Caution - Danger due to the furniture tipping over!

For this purpose, it is essential to comply with the requirements of the superstructure statics in chapter 11.

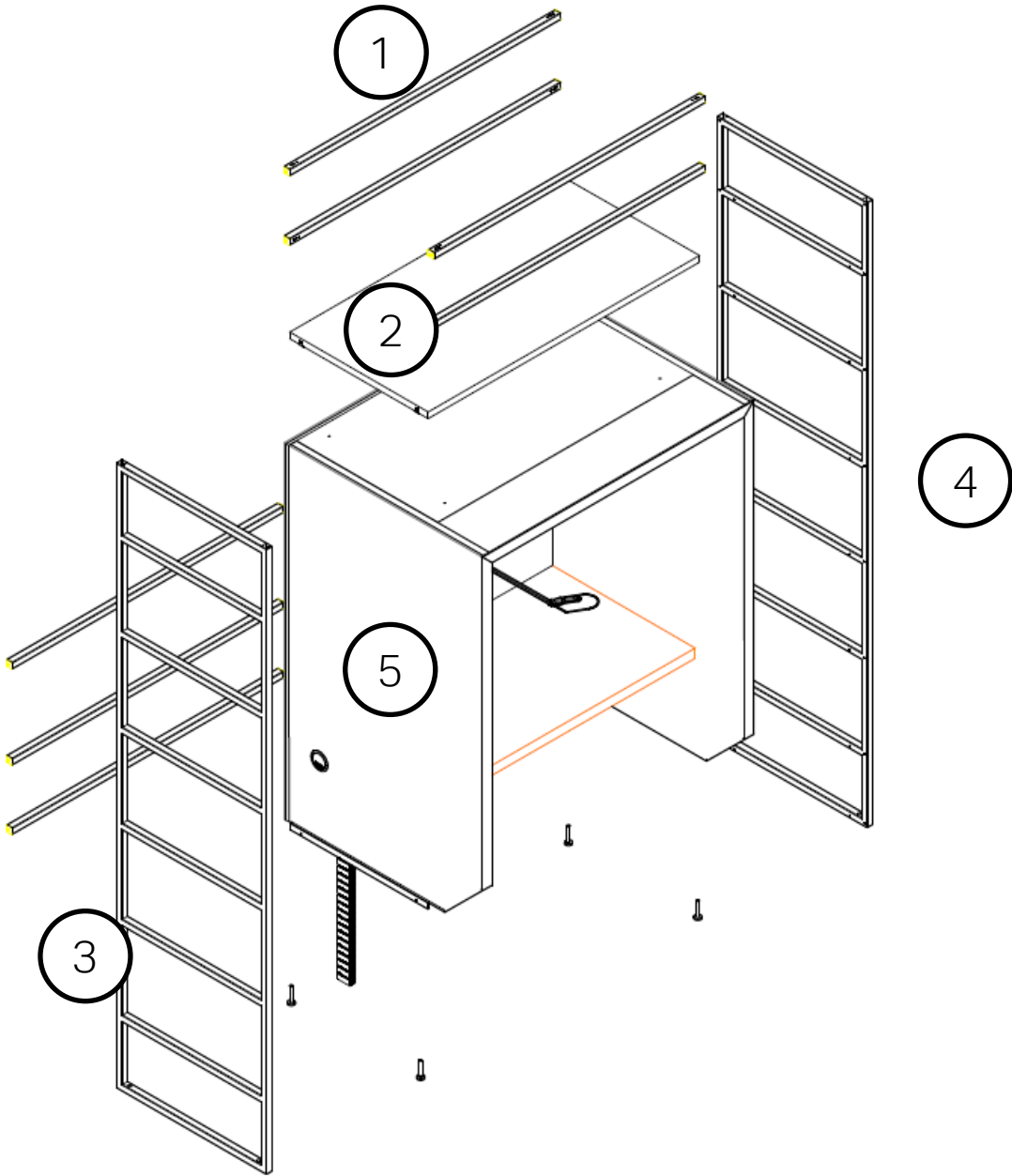
Module K [650 - System]

	Designation	Material	L x W x H (mm)	Number of pieces
1	Cross strut (incl. system connector)	Steel	1171 x 25 x 25	7
2	Shelf	Wood-based material, coated	1174 x 599 x 25	1
3	Ladder 1 (perforated on one side)	Steel	650 x 25 x 2345	1
4	Ladder 2 (perforated on both sides)	Steel	650 x 25 x 2345	1
5	Body K	Wooden material, upholstered on both sides	1176 x 860 x 1414	1

[7.3 Assembly overview of Module K]

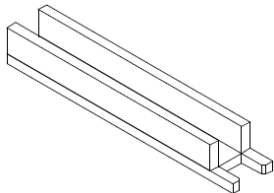
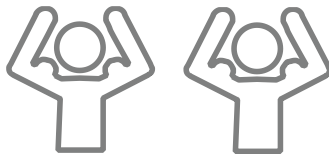
Module K - Quiet Workstation Module

[Fig. 650 system]



[7.4 Tools and parts list of assembly fittings]

Required are :



Assembly aid
250 x 44 x 34



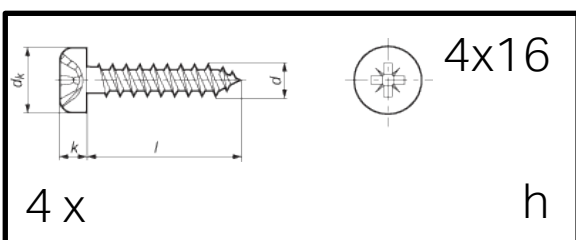
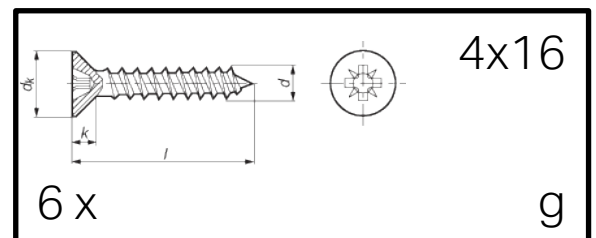
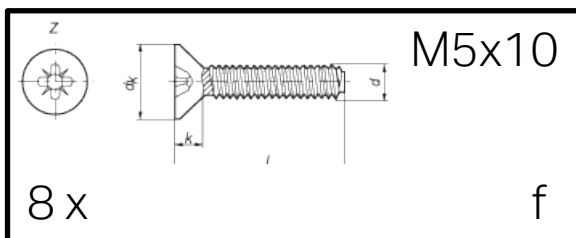
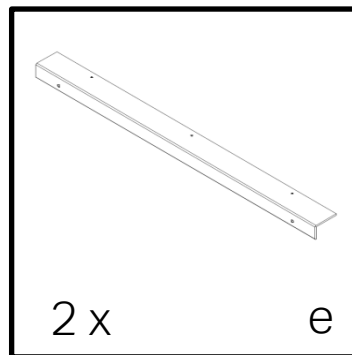
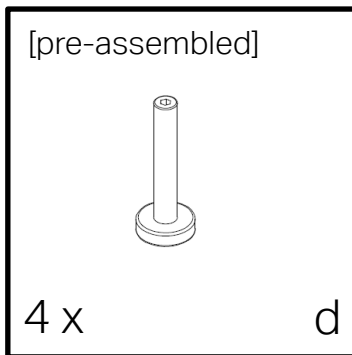
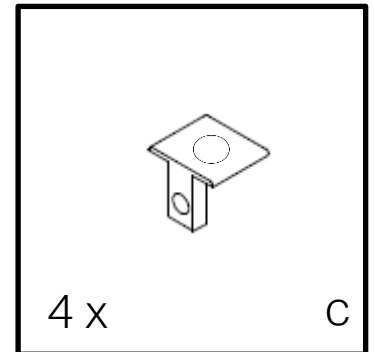
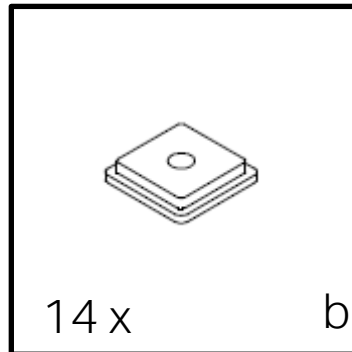
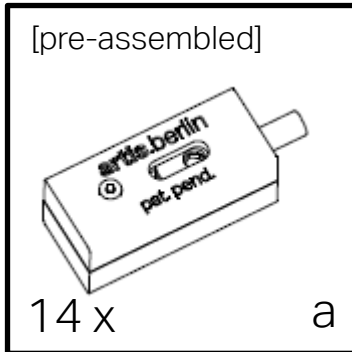
TX10
TX25
PZ2

Module K [650 - System]

	Designation	Material	Dimensions	Number of pieces
a	System connector	Plastic	48 x 20.6 x 20.6	14
b	Distance plate	Polyamide	25.3 x 25.3 x 5	14
c	Shelf support with hole	Zinc	20 x 18 x 17	4
d	Adjustable foot	Metal	M10 x 60	4
e	Support angle (narrow)	Steel	38 x 598 x 3	2
f	Self-tapping screw	Steel	M5 x 10	8
g	Countersunk screw	Galvanised steel	4 x 16	6
h	Pan Head Screw	Steel	4 x 16	4

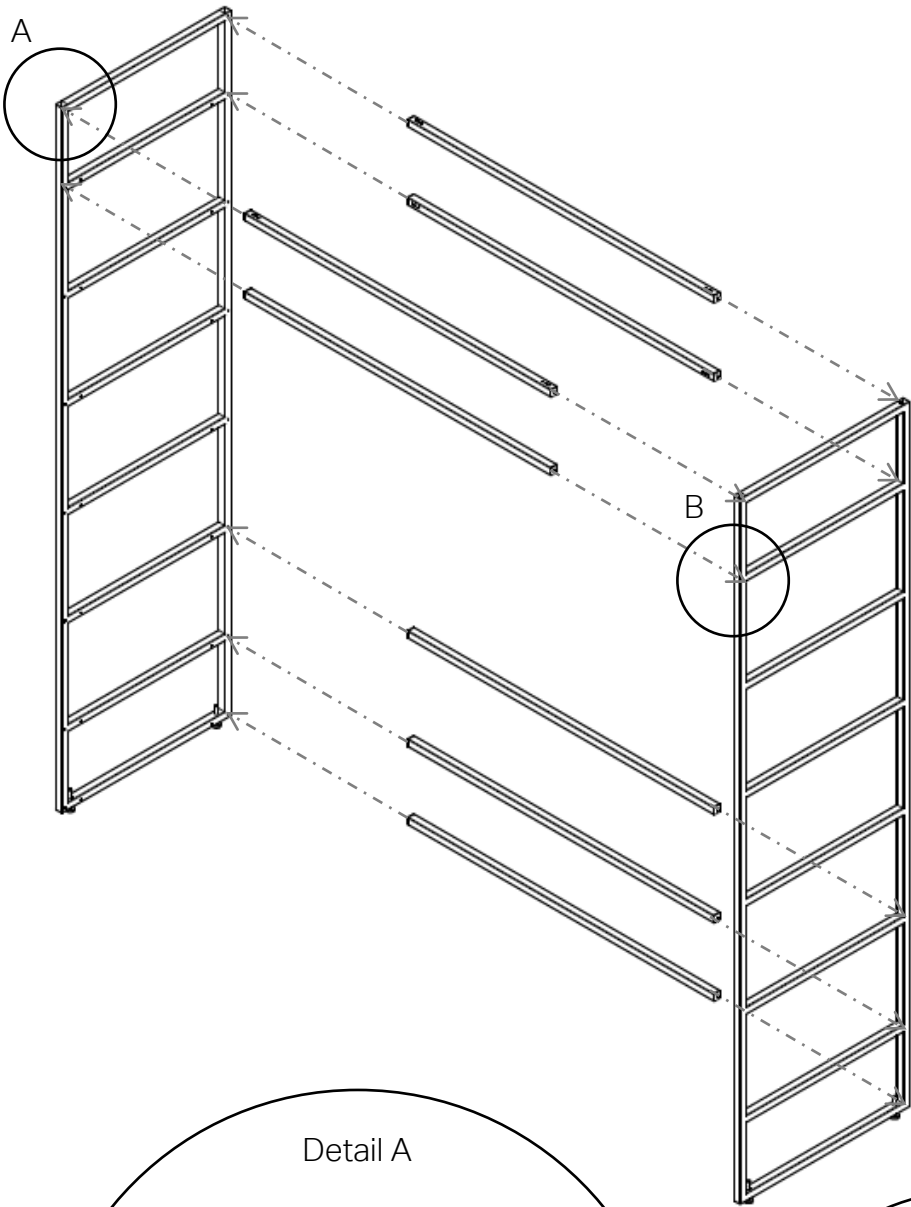
[7.5 Overview of mounting fittings]

Included are :



Here we go ...

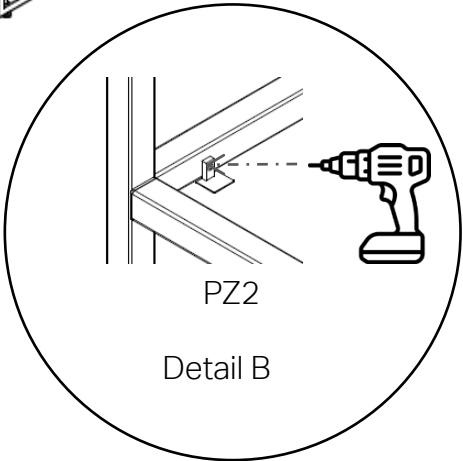
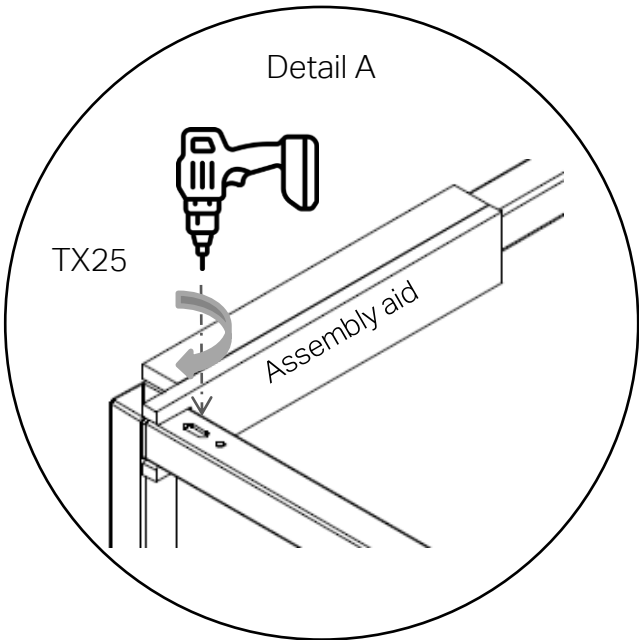
[7.6 Structure of the basic construction of Module K]



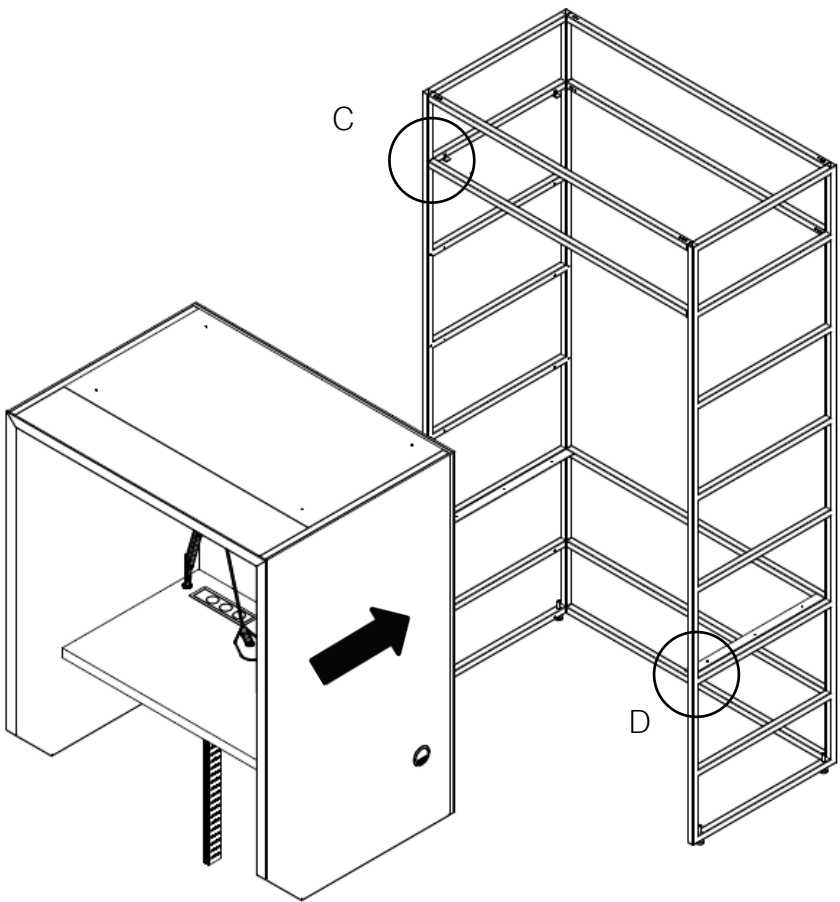
The spacer plates (b) are attached to the cross braces (1) via the system connectors (a) pre-mounted in the cross braces. tucked in.

Then the cross braces (incl. system connectors) can be positioned with the assembly aid and screwed to the ladders as shown in detail A.

Then fix the shelf supports, perforated, to the level provided for the shelf as described in detail in chapter 3 - Carcases (p.23) (see detail B).



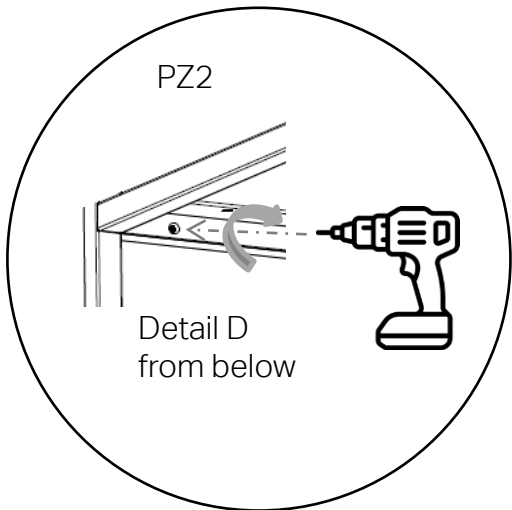
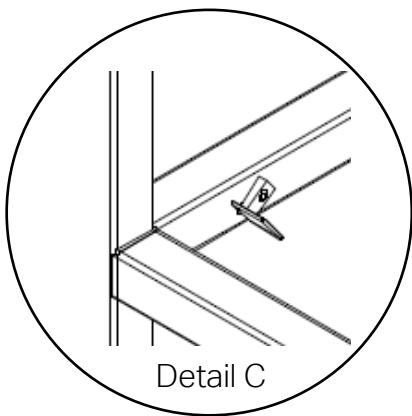
[7.7 Merging the basic construction and corpus K]



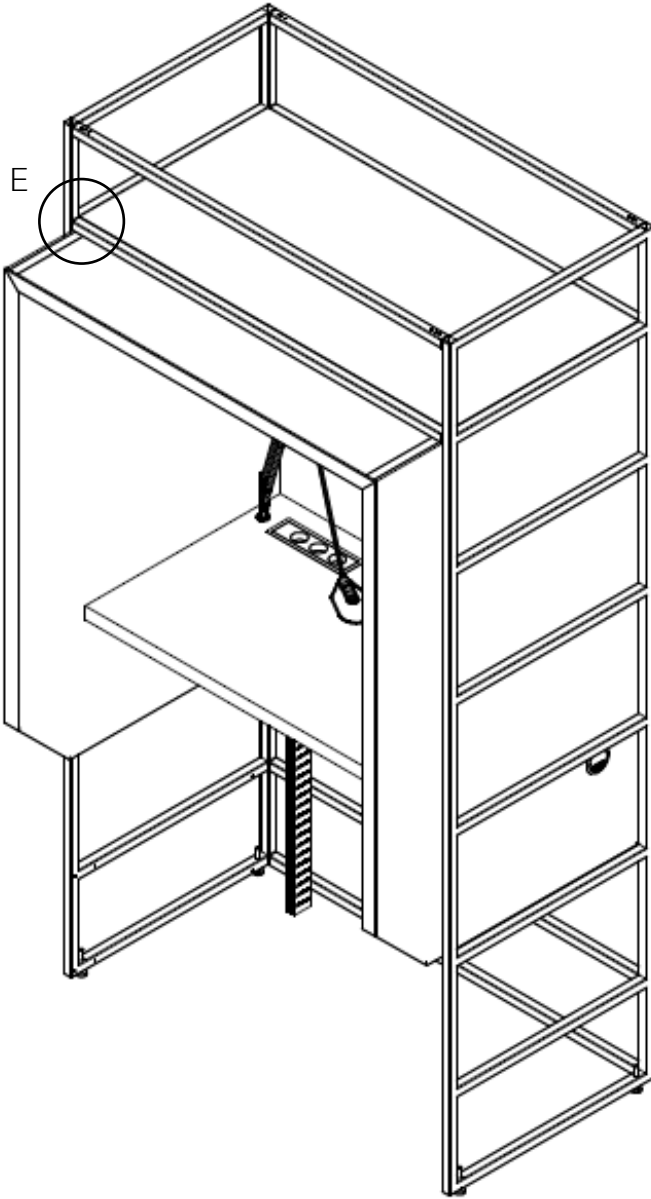
All shelf supports can now be aligned as shown in detail C.

Both support brackets are fixed as shown in detail D. Described in detail in Chapter 3 - Carcases (p.24).

Now it is possible to insert the carcass K (5) in the direction of the arrow over the support angles (e).



[7.8 Adjust and fix]



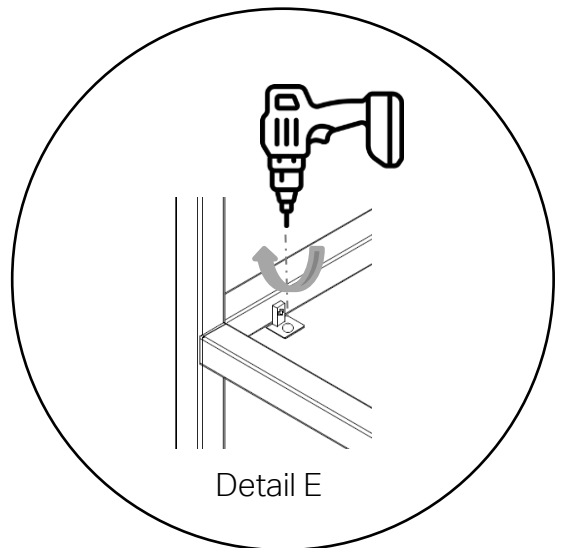
The carcass K (5) is brought into position, the rear wall and the top shelf should be flush with the rear edge of the shelf.

Then fix the carcass K over the two support brackets from below with the countersunk screw (g) to the prefabricated holes.

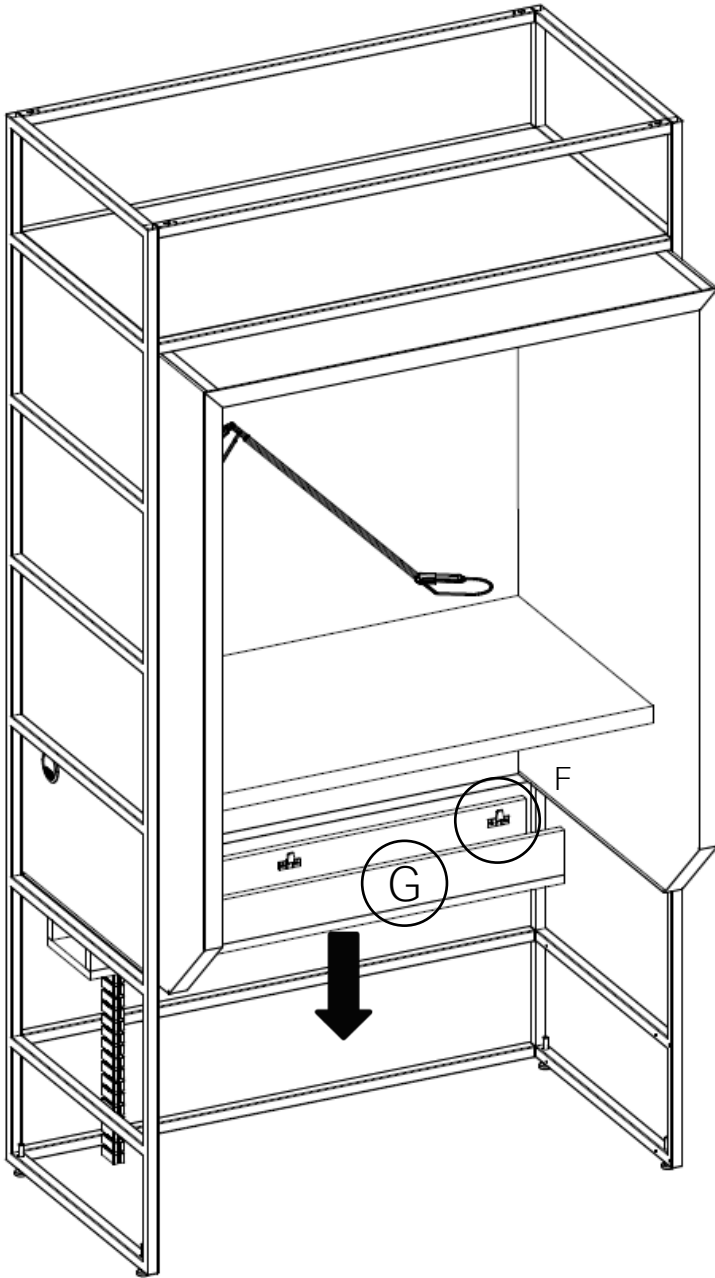
The carcass K can then be fixed from above over the floor supports perforated (c) as shown in detail E with the pan head screw (h).

Described in detail in Chapter 3 - Corpuses (p.26).

Finally, the shelves (2) can be inserted.



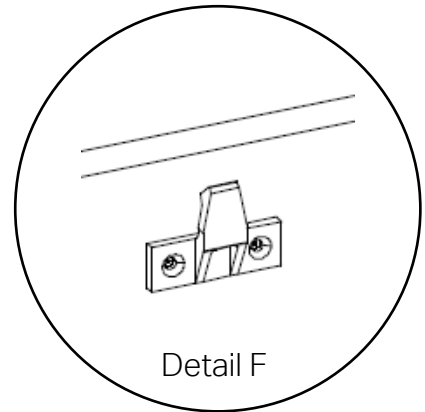
[7.9 Cable routing]



The cable shaft (G) underneath the table can be easily removed downwards.

This allows the cables to be laid professionally.

Afterwards, the cable duct can be secured with the pre-assembled connectors. (detail F).

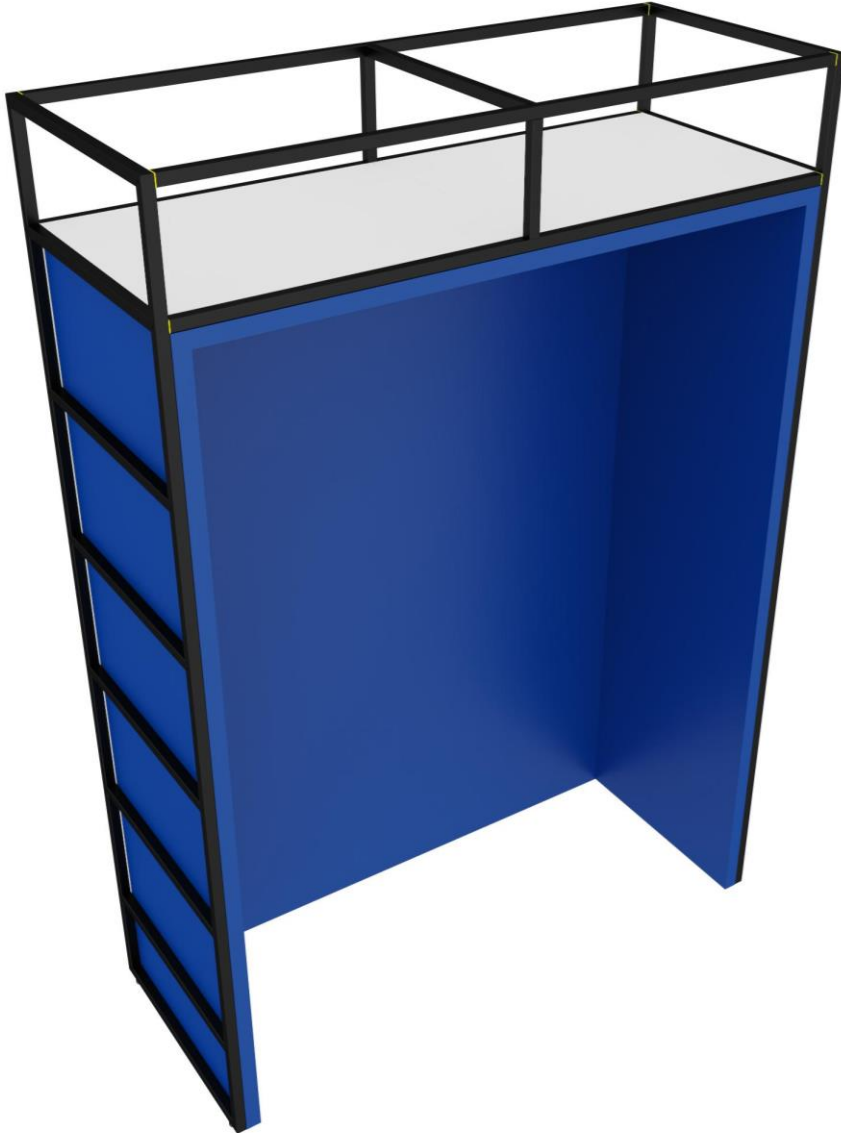


[This set-up process is representative of all of the Supergrid™ s Still Workstation modules].

Ready!

[8. Printer modules]

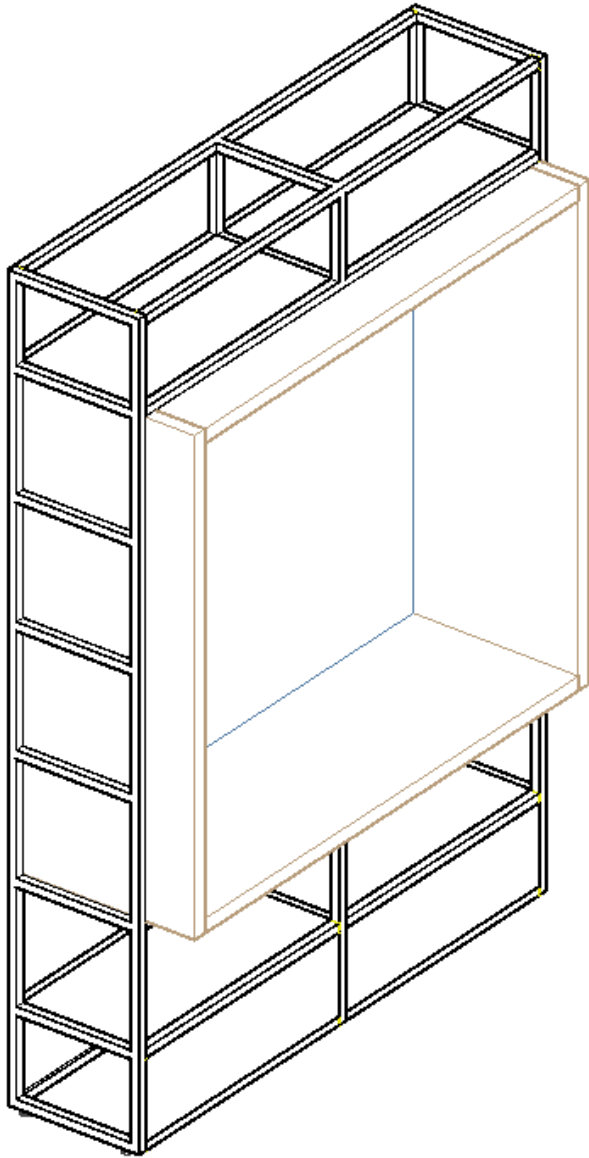
Structure of the J & EJS modules



[Fig.: Module EJS_650 system].

[8.1 Overview of Printer modules]

Module J



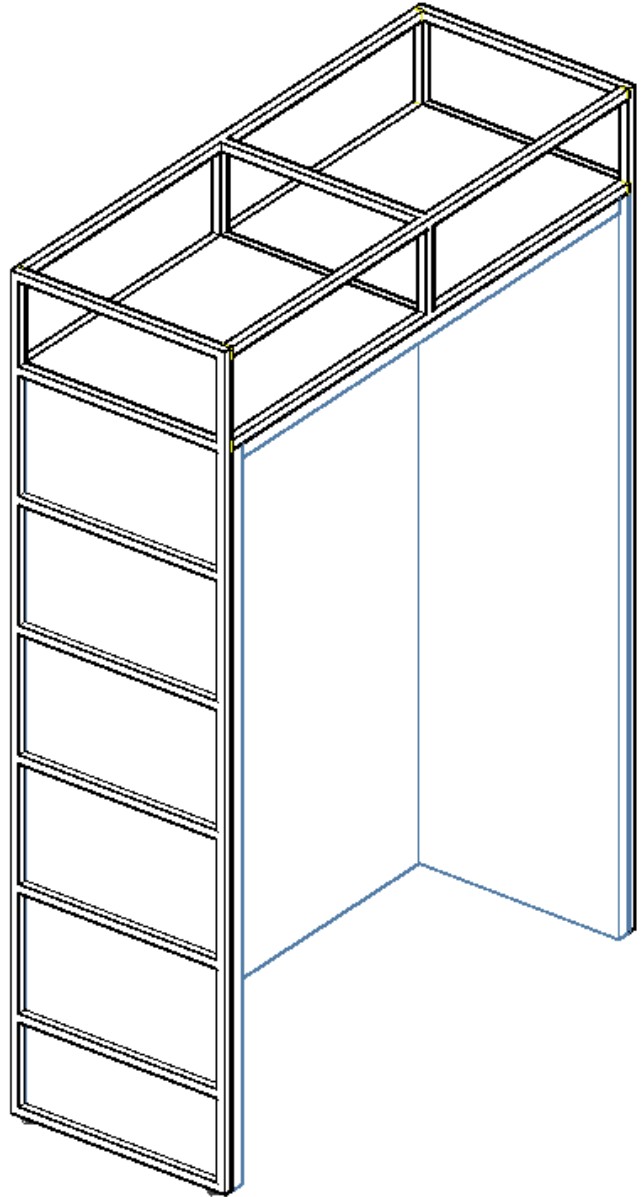
400 & 650 system :

[D 400 mm x W 1625 mm x H 2360 mm]

[D 650 mm x W 1625 mm x H 2360 mm]

With/without back wall

EJS module



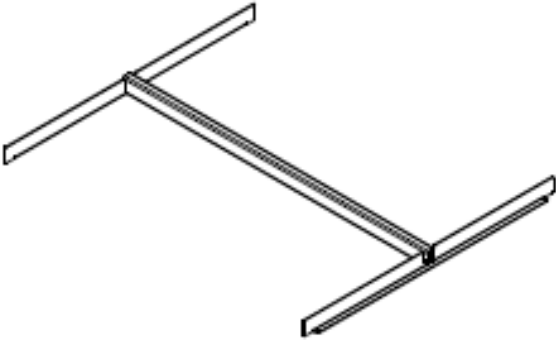
650 system :

[D 650 mm x W 1625 mm x H 2360 mm]

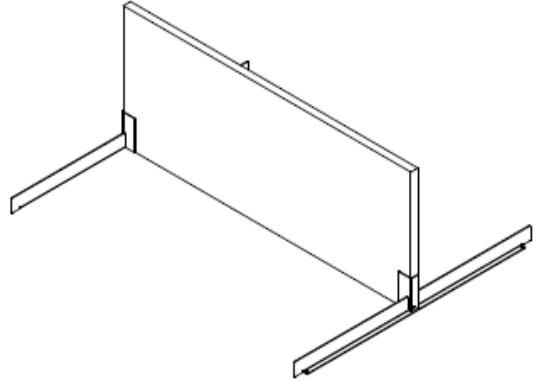
"As we revise the construction details, the assembly instructions for these modules will follow shortly!"

[9. Add_Ons]

Divider small

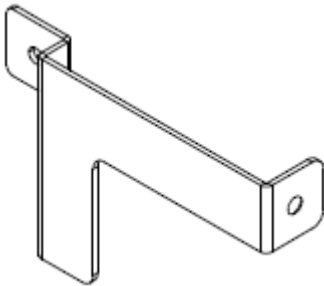


Divider

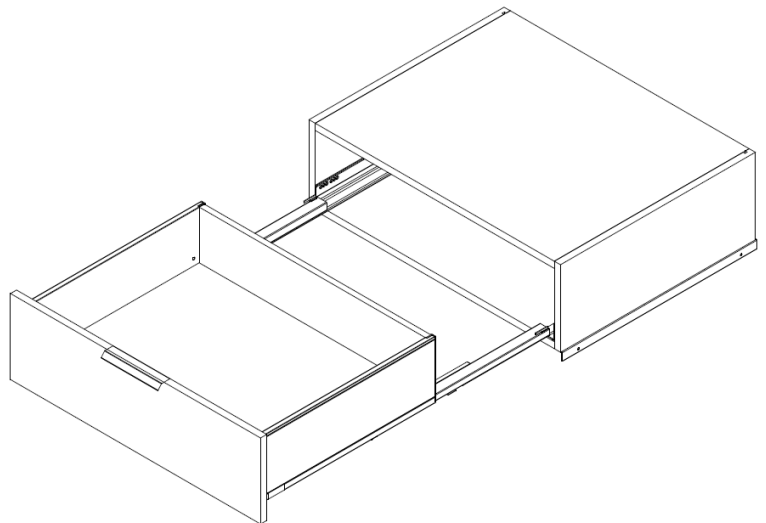


[The add-ons listed here can only be found in the 650 system].

Additional holder

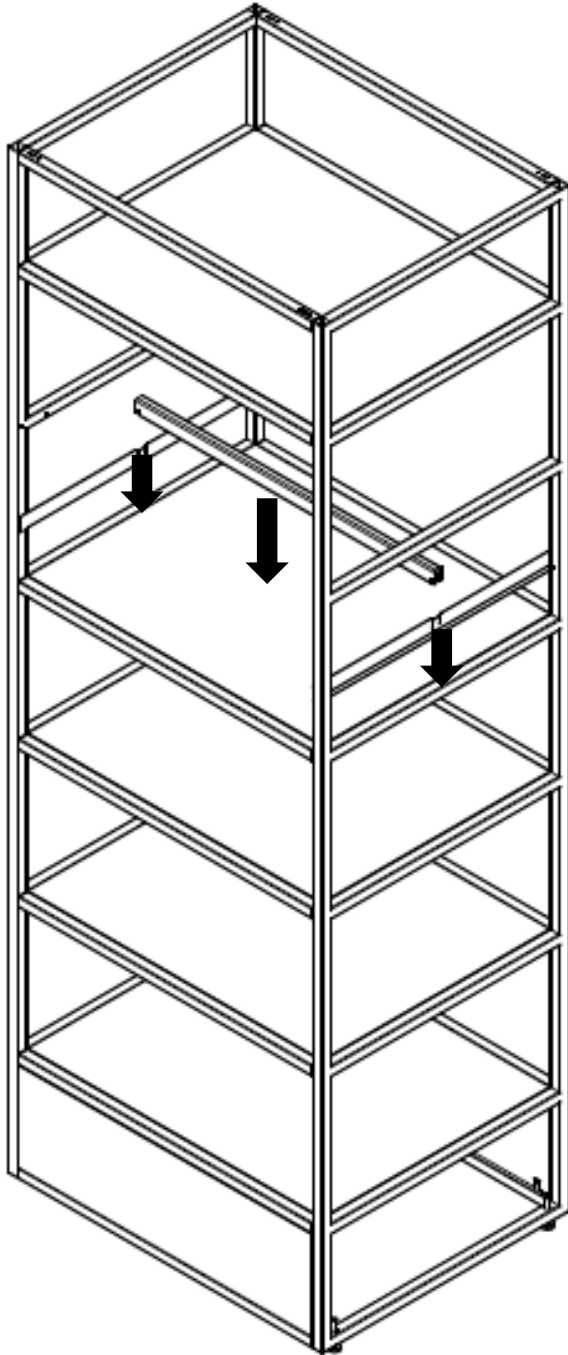


Base drawer



[The Add_Ons listed here can be found in both the 400 and 650 systems].

[9.1 Divider small]

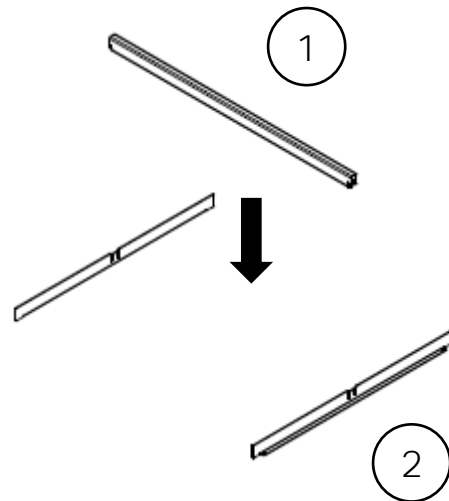


First position the retaining bracket (2) on the shelf between the vertical struts of the ladders.

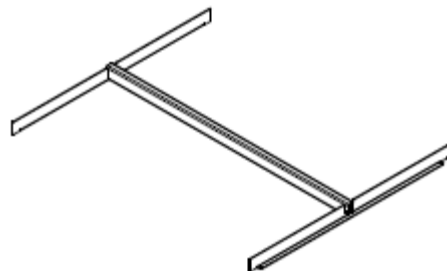
After that, the separating strip (1) can be inserted into the prefabricated recess.

The construction holds itself.

Individual parts :



Assembled :



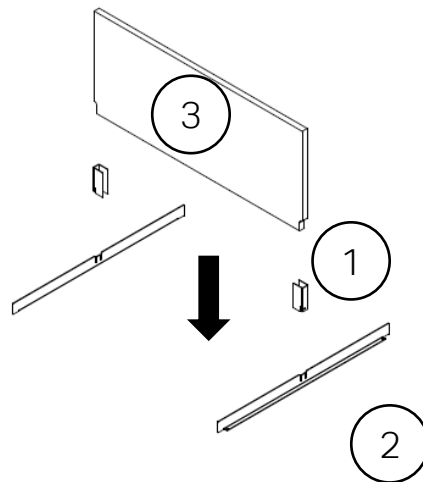
[9.2 Divider with back wall]

First position the retaining bracket (2) on the shelf between the vertical struts of the ladders.

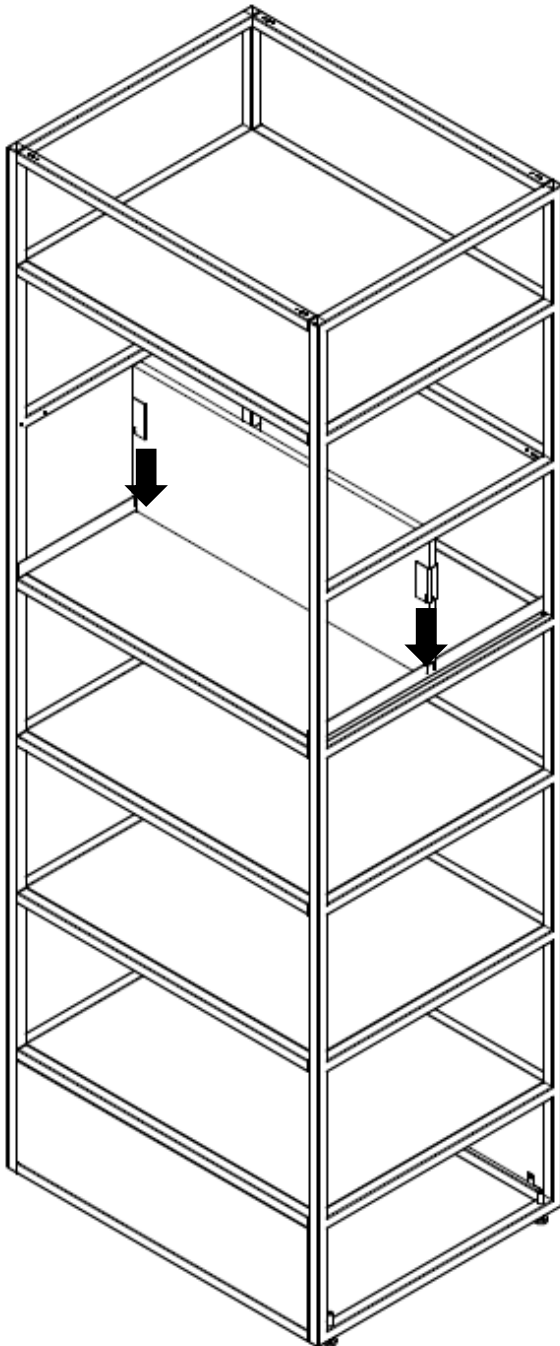
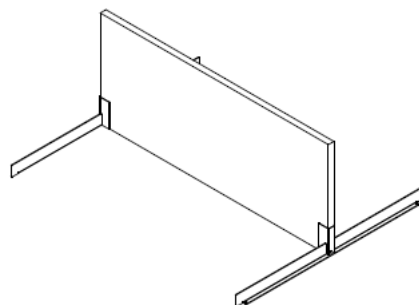
Then the back wall (3) can be brought into position over the recesses of the retaining brackets (2) with the back wall holders (1) pushed upwards.

Finally, insert the back panel holder (1) including the back panel (3) into the prefabricated recess of the retaining brackets.

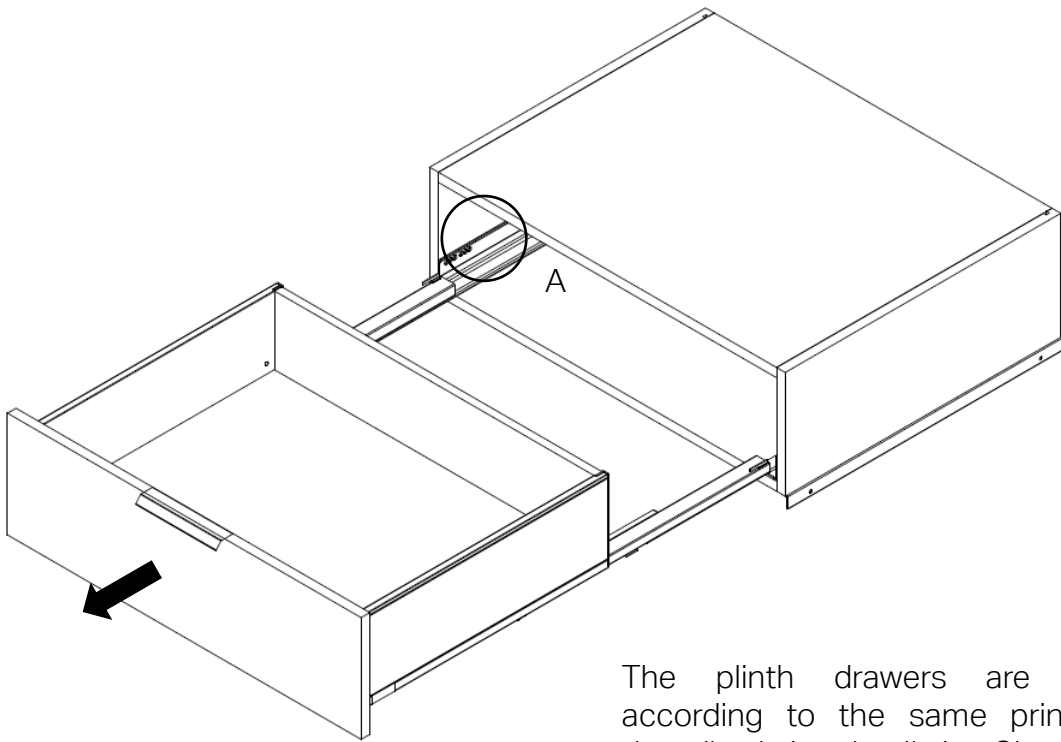
Individual parts :



Assembled :



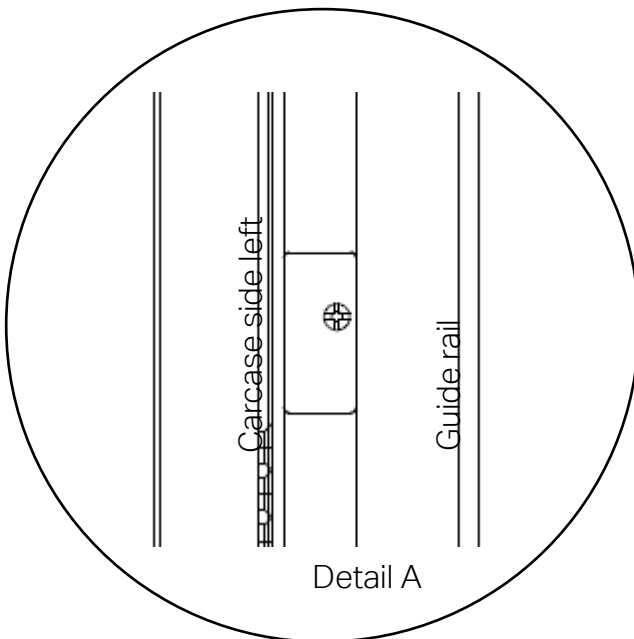
[9.3 Pedestal drawer]



The plinth drawers are installed according to the same principle as described in detail in Chapter 3 - Carcases (from p.25).

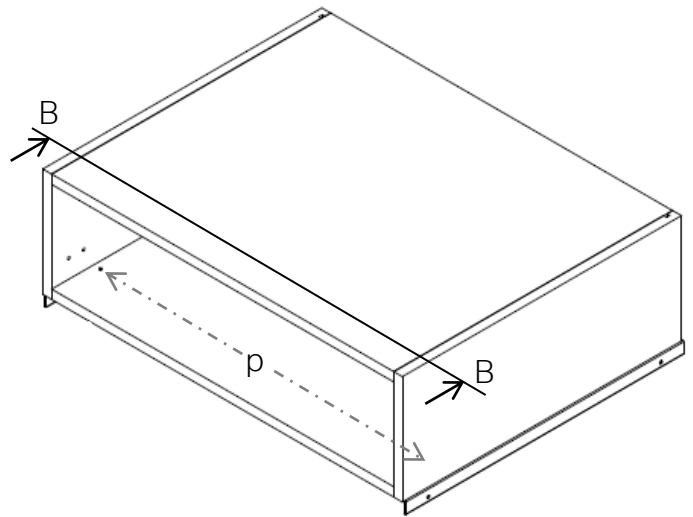
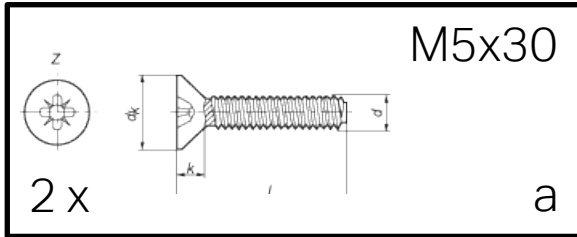
Before the plinth drawer can be fitted, the drawer without the runners must be removed. This can be unhooked from below and pulled out to the front.

Detail A shows the exact position of the screw (a) from above.



[9.3 Pedestal drawer]

Required are :

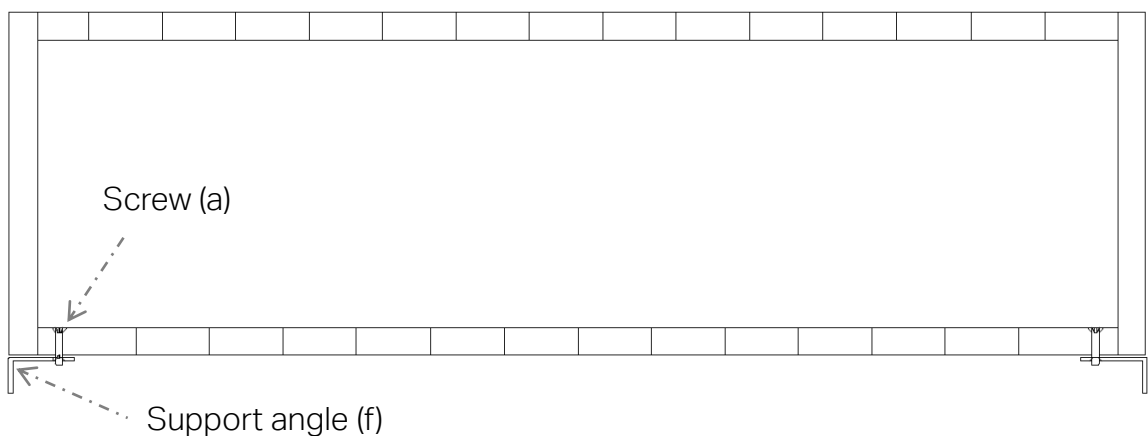


The carcase of the plinth drawer is brought into position with the drawer removed in the plinth area and then screwed from **above at the** two points pre-drilled in the carcase via the self-tapping screw (a) to the support bracket (f) at points (p).

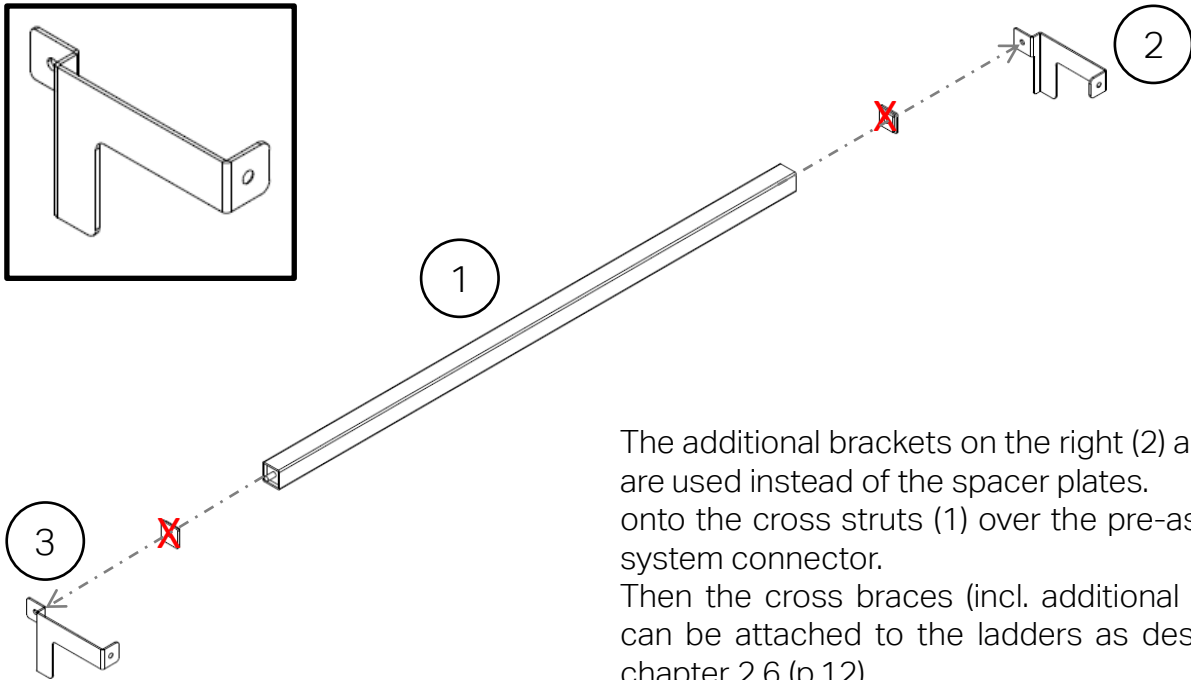
The self-tapping screw (a) is an M5x30.

The drawer can then be reinserted and hooked in from below.

Cut B-B:



[9.4 Additional bracket]

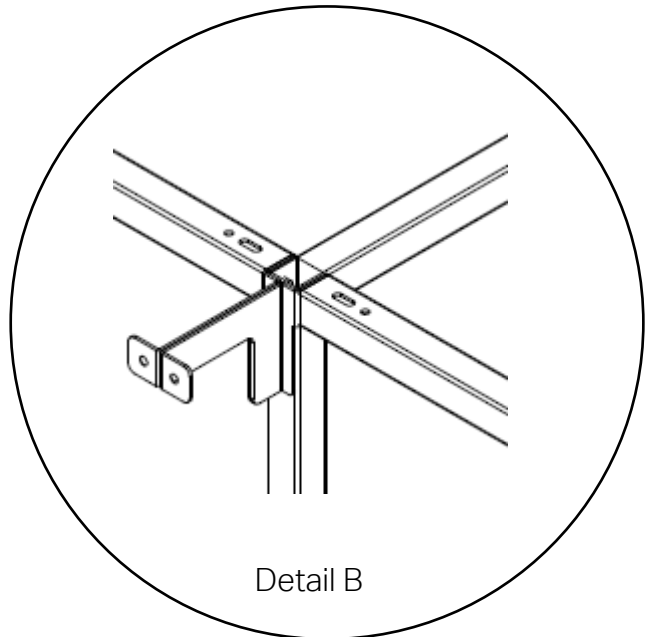
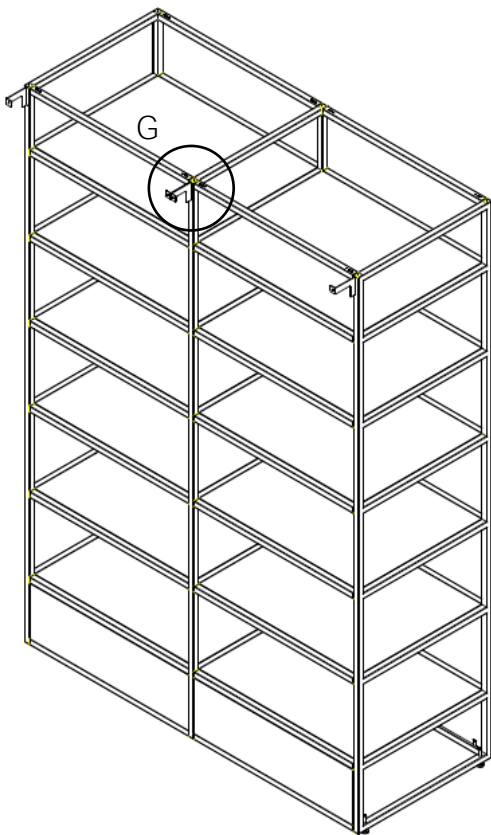


The additional brackets on the right (2) and left (3) are used instead of the spacer plates onto the cross struts (1) over the pre-assembled system connector.

Then the cross braces (incl. additional brackets) can be attached to the ladders as described in chapter 2.6 (p.12).

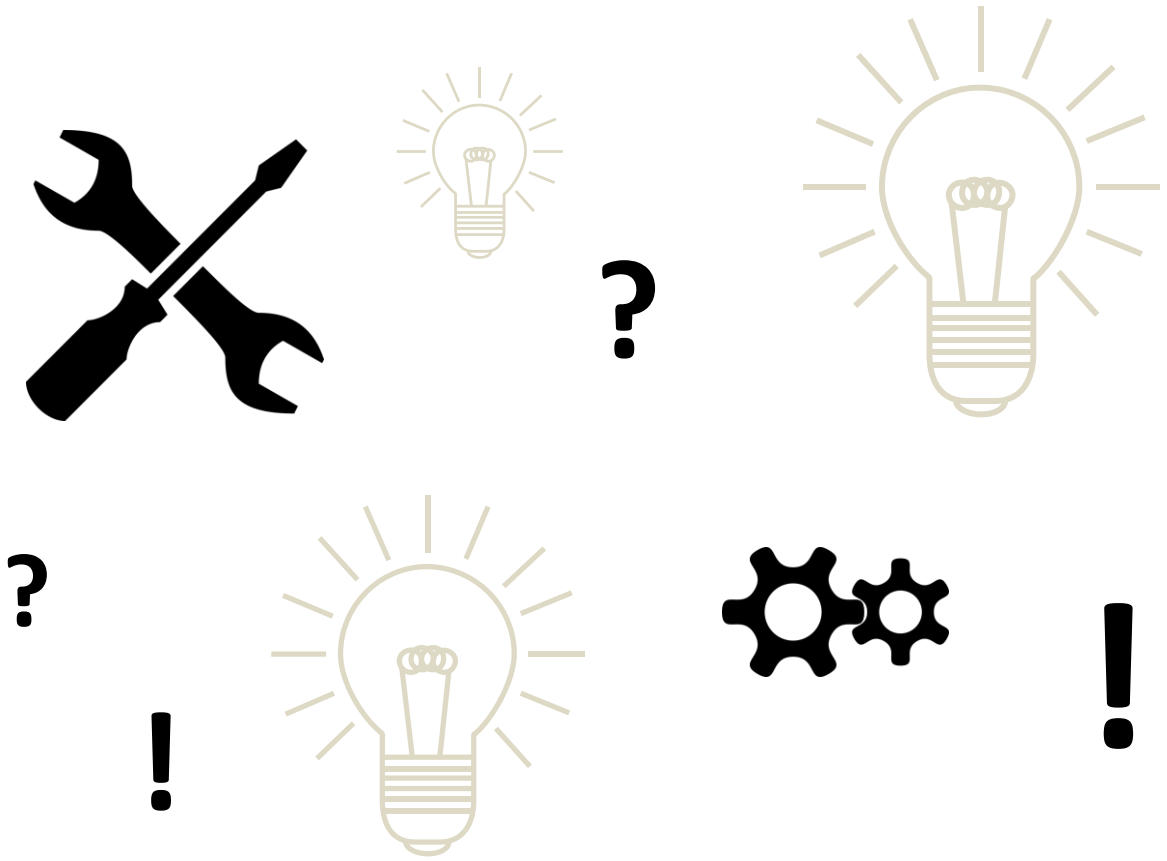
Detail B shows an additional bracket in the installed state.

Exemplary on shelf module A.



Detail B shows exactly in which position the additional brackets must be installed when joining two modules.

[10. Tips and tricks]



This chapter provides some helpful tips and tricks for the assembly and disassembly of the Supergrid [™] system. These are intended to make assembly and disassembly easier and to present some steps in more detail.

[10.1 Cross braces]

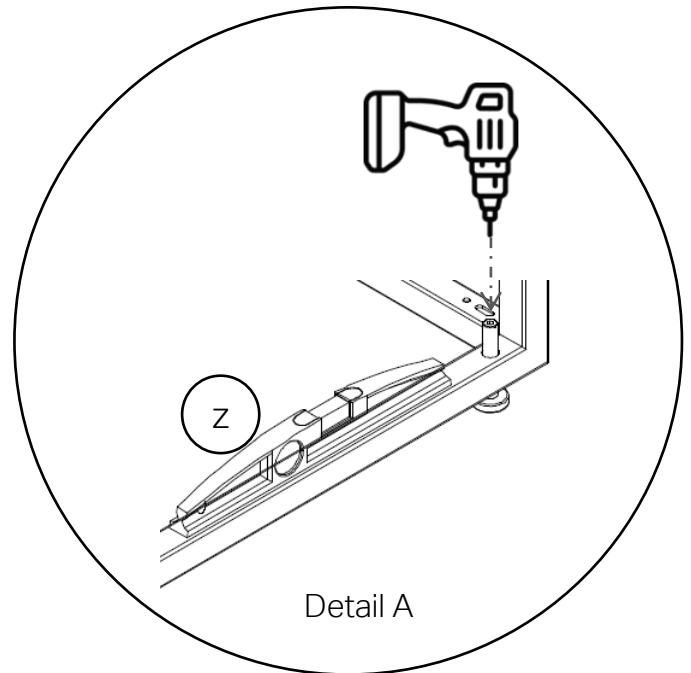
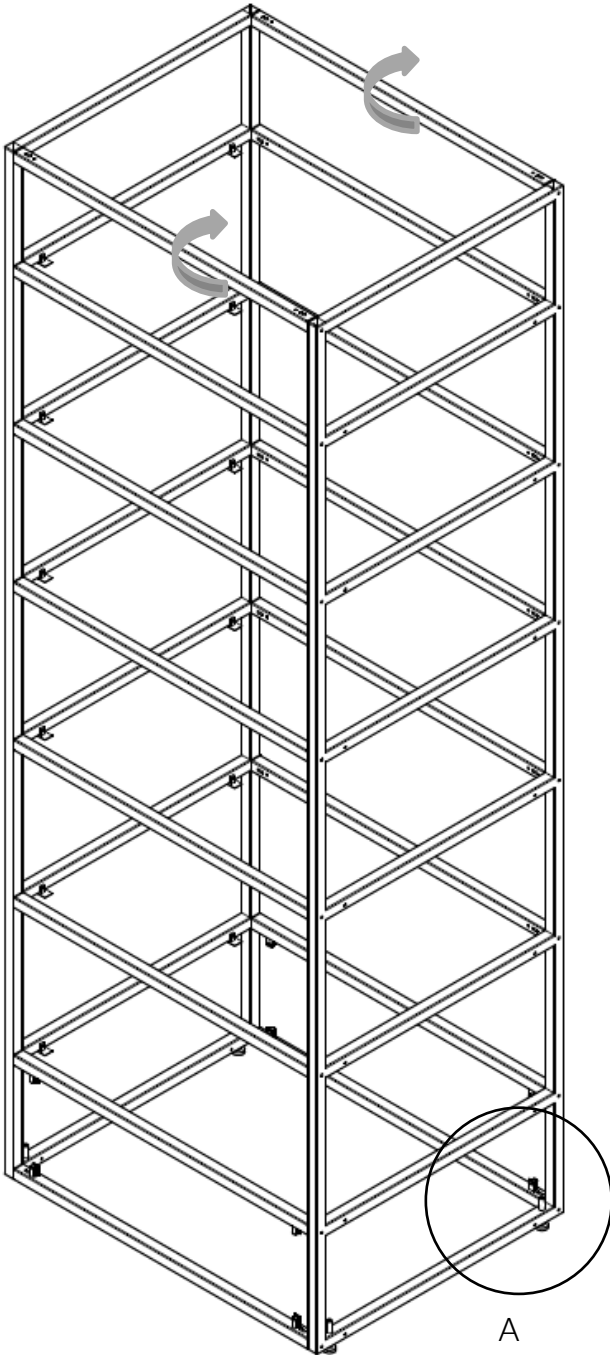
Cross braces :

The screw holes of the uppermost cross struts point upwards.

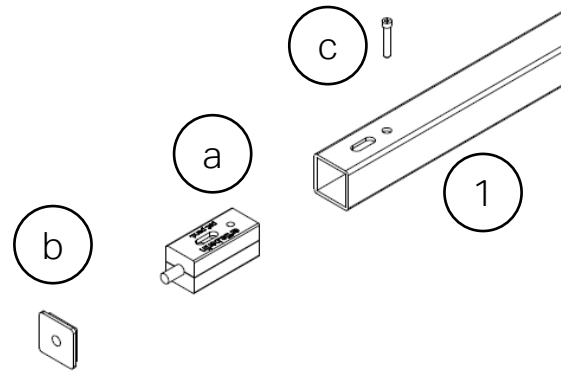
The screw openings of the cross struts with the shelves face inwards. This way they remain invisible.

After screwing, the cross struts can be turned effortlessly by hand into the desired position.

Alignment of the adjustable feet is quickly done using a size 6 hexagon socket and spirit level (z).



[10.2 Change connector]



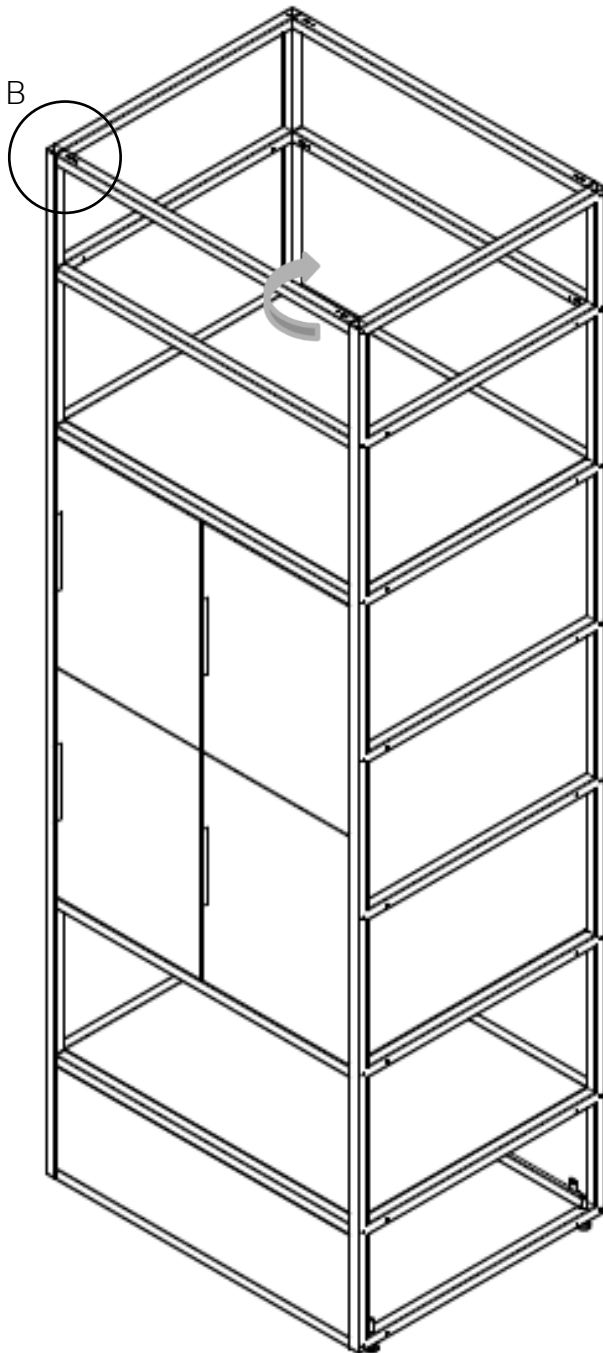
Change connector:

To change the system connector (a) in the cross strut (1), first remove the spacer plate (b).

The grub screw (c) can then be unscrewed and the system connector removed.

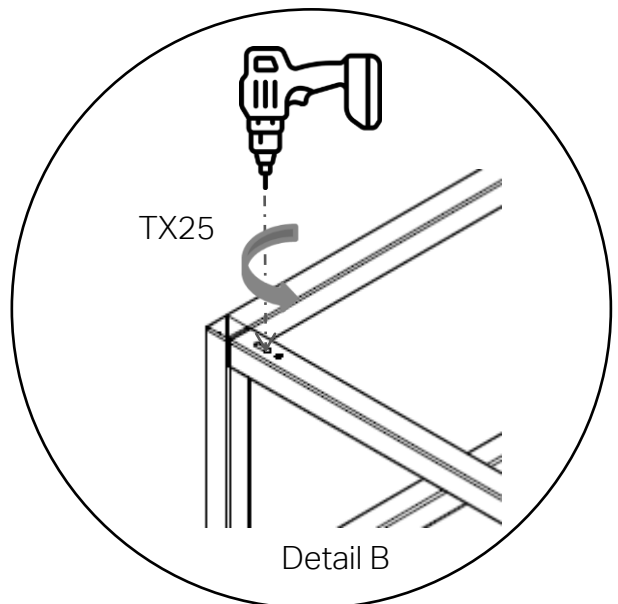
The installation is done in reverse order.

Make sure that the grub screw is countersunk flush in the cross strut.



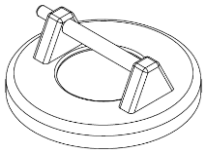
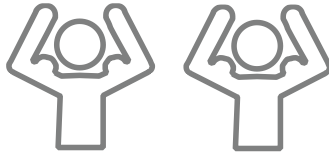
If the gear of the system connector (a) cannot be moved, the opposite system connector (a) in the cross strut (1) should be loosened first as shown in detail H.

Then the cross strut can be turned out by hand in a **clockwise** direction of the blocked system connector.



[10.3 Disassembly]

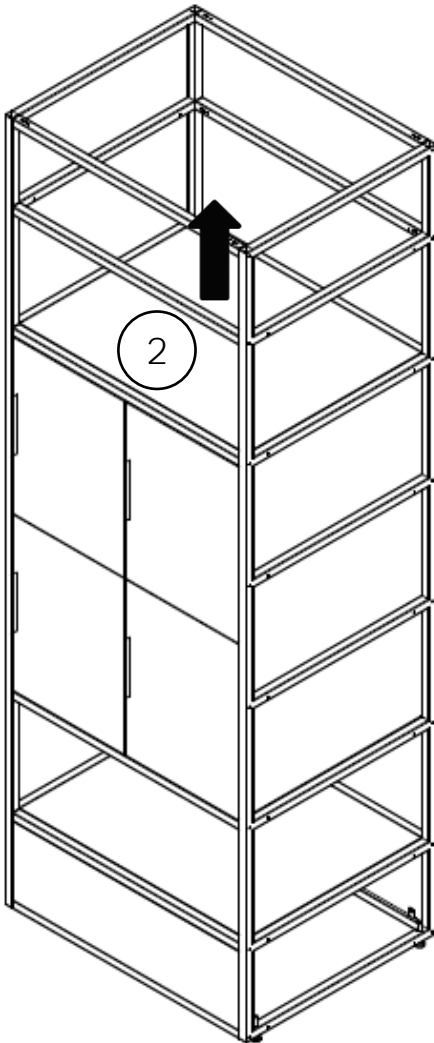
Needed are:



Glass suction cup



TX10
TX25
PZ2



Disassembly :

With the help of the glass suction cup, the shelf (2), which sits directly above the carcass top, can be removed upwards.

Now the steps are to be carried out as in Chapter 3 - Corpuses in reverse order.

[11. Superstructure statics]

The space-creating Supergrid™ furniture system transforms large office landscapes into lively workspaces. It is installed free-standing in the room or along a wall. Supergrid™ is available in two different system depths (400 mm and 650 mm). Both the different positioning in the room and the different dimensions require different requirements in terms of set-up. Artis Space Systems GmbH provides proof of stability for this system, but only if the following regulations are adhered to.

400 system

This system depth is mainly intended for use along a wall. Nevertheless, it can also be placed freestanding in the room. In both cases, care must be taken to ensure that it is secured either by a wall or floor fastening. If this is not possible, the system must be secured against tipping by attaching a ballast.

650 system

This system depth is primarily intended for use in open spaces, but can also be mounted along the wall. In both cases, it must be ensured that it is secured either by a wall or floor fastening. If this is not possible, the system must be secured against tipping by attaching a ballast.

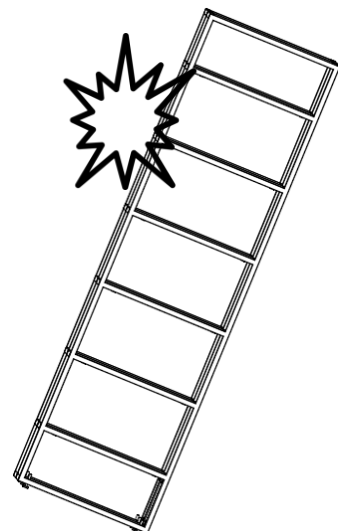
For static reasons, positioning of pull-out elements (flap/drawer) is only possible up to and including the 3rd position in a module.

A maximum load of 30 kg (400 mm system) or 40 kg (650 mm system) is recommended for each shelf. This should not be exceeded.

The type of fixing also depends on the number of shelving units, this is listed in more detail on the following pages.

The **detailed structural analysis** can be requested directly from Artis Space Systems GmbH.

Phone +49 30 616280-0
Fax +49 30 616280-10
mail@artisspacesystems.com



[11.1 Wall mounting]

Before the individual modules can be attached to the wall, the following criteria must be checked:

1. Before installation, the condition of the wall must be checked and suitable fasteners must be used. The installation must be carried out by qualified fitters.
2. The fasteners must be selected according to the forces to be expected.
3. Installation zones (gas, water, electricity) must be observed during installation.
4. If the wall condition requires it, use wall fixings other than those supplied.

Only when these criteria have been checked can the modules be fixed according to the following steps.

If this is not possible, the stability of the system can still be ensured, see chapter 11.2 - Floor attachment and chapter 11.3 - Attach ballast.

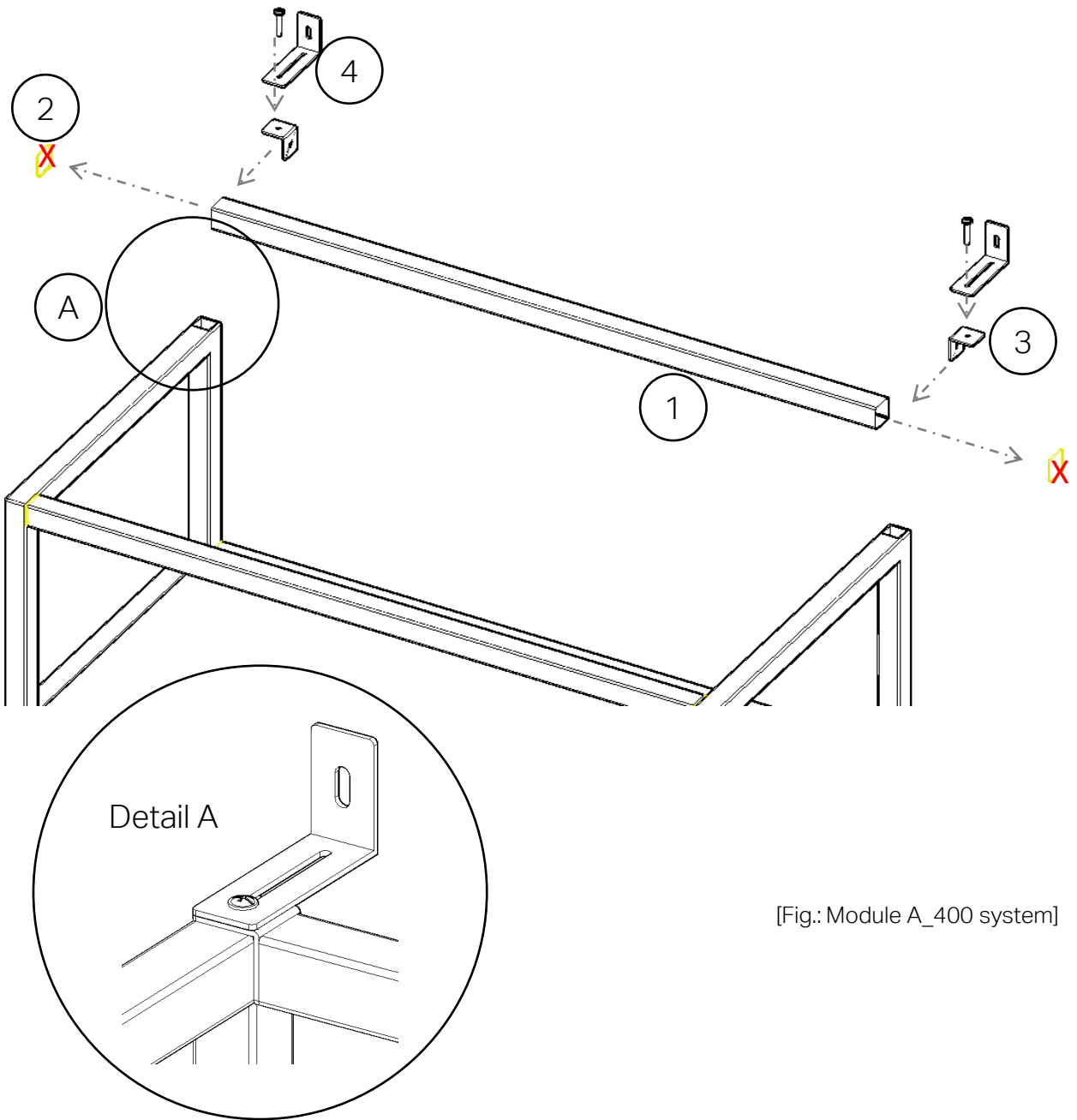
400 system

Here, two steel brackets with slotted holes and two attachments per module are used to fix the modules to the wall. From a shelving unit of three modules, only the outer modules and continuously every second module must be provided with steel brackets and fixed to the wall. If a corner module is installed, no wall fastening and no other anti-tilt device need to be carried out.

650 system

If the shelving unit consists of less than three units, at least one unit must be mounted with two steel brackets and two attachments as shown in the following illustration on the next page. From the number of three units, no wall mounting is necessary. Again, if a corner module is installed, no fixing and no other anti-tilt measures need to be carried out.

[11.1 Wall mounting]



[Fig.: Module A_400 system]

The top cross member (1) facing the wall is removed and the spacer plates (2) are exchanged for the attachments (3). These can be guided onto the system connectors in the same way as the spacer plates.

Then the oblong hole bracket (4) can be screwed to the attachment (3) from above using the screw (M4x27). A thread is drilled there. The module can now be fixed to the wall via the slotted hole bracket (4). The dowels and screws to be used here must be selected according to the conditions. The slotted hole bracket (4) is available in different lengths depending on requirements.

[11.2 Ground fixation]

Before the individual modules can be fixed to the floor, the following criteria must be checked:

1. Before installation, the condition of the floor must be checked and suitable fasteners must be used. The installation must be carried out by qualified fitters.
2. The fasteners must be selected according to the forces to be expected.
3. Installation zones (gas, water, electricity) must be observed during installation.
4. If the ground conditions require it, use ground fixings other than those supplied.

Only when these criteria have been checked can the modules be fixed according to the following steps.

If this is not possible, the stability of the system can still be guaranteed, see chapter 11.3 - Attaching ballast.

400 system

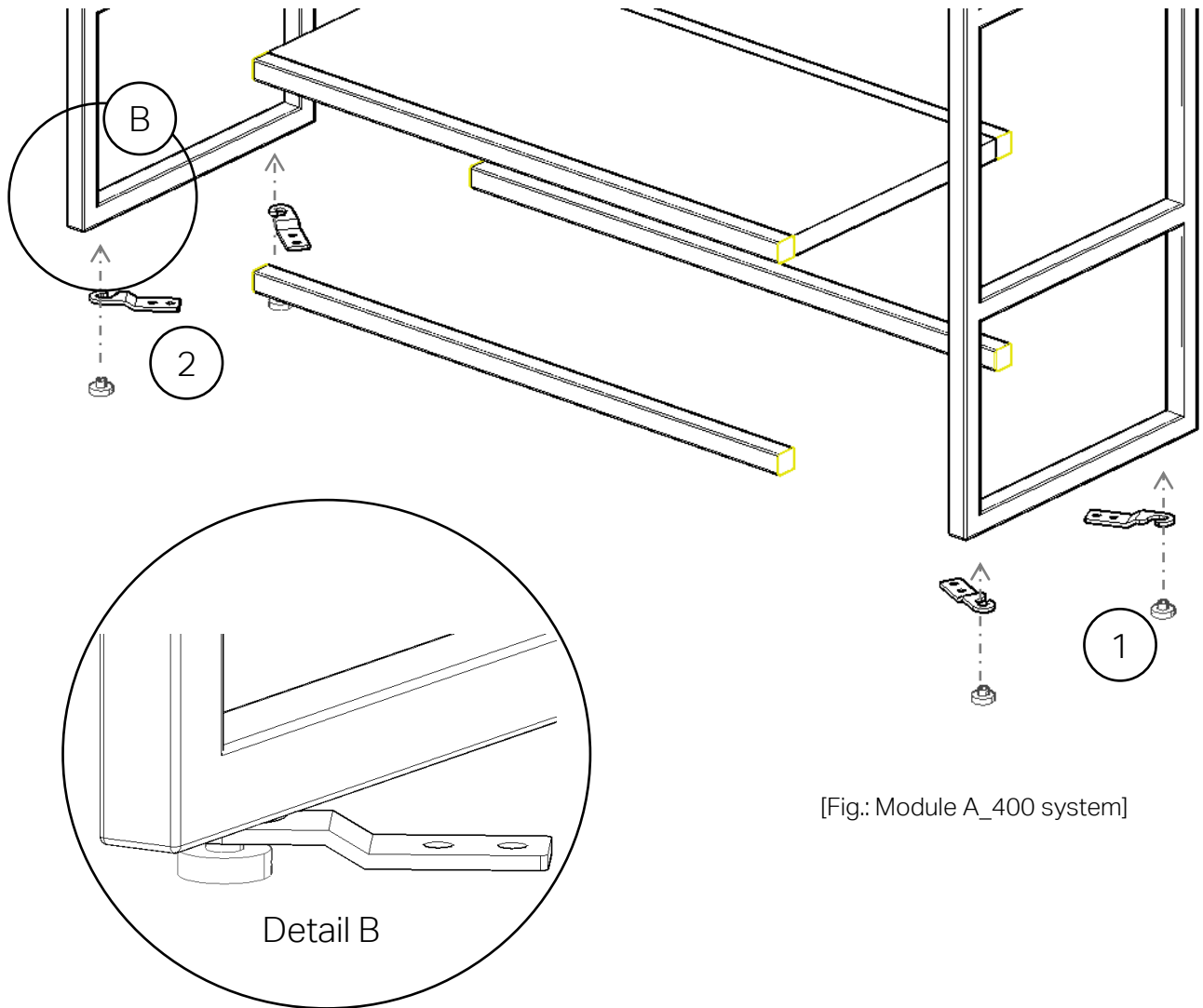
Here, fastening is done with the help of four steel straps per module in the floor. If a shelving unit consists of two modules, each module is fastened to the floor with two diagonally opposite steel straps. For a shelving unit of three modules or more, only the outer modules and continuously every second module must be provided with two diagonally opposite steel straps and fastened in the floor. If a corner module is installed, no floor fastening and no other anti-tilt device need to be carried out.

650 system

If the shelving unit consists of less than three units, at least one unit must be assembled with four steel brackets as shown in the following illustration on the next page. From the number of three units, no floor fixing is necessary. Again, if a corner module is installed, no fixing and no other anti-tilt measures need to be carried out.

[11.2 Ground fixation]

Fastening of a single module:



[Fig.: Module A_400 system]

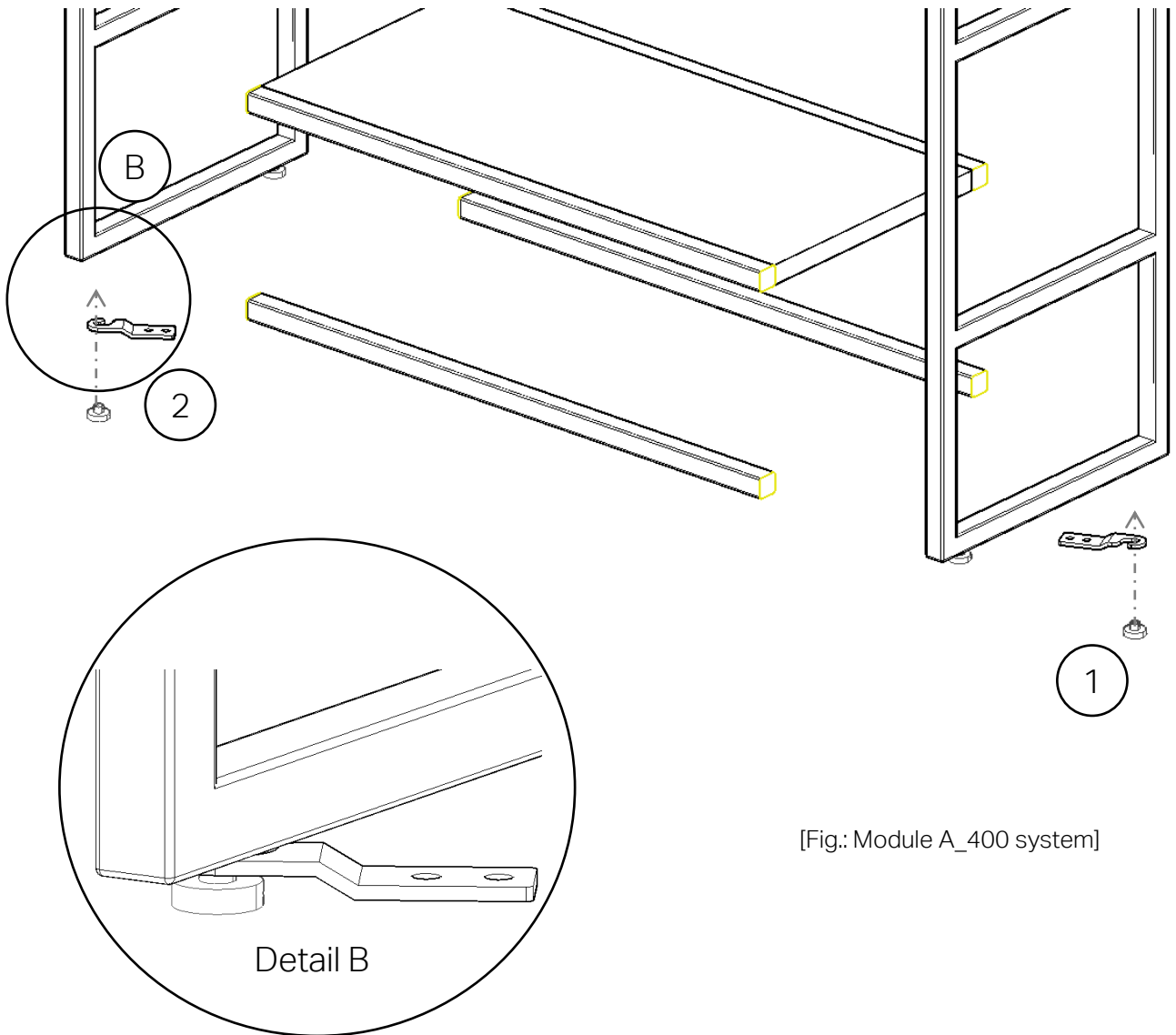
After the module has been assembled and positioned in the right place in the room, the four steel straps (2) are threaded around the adjustable feet (1) with the loop provided for this purpose. A 360 degree rotation around the adjustable feet (1) allows the tabs (2) to be placed according to the local conditions. Subsequent fastening in the floor with the appropriate fasteners (two screws and dowels per lug) must now be carried out. The plinth panels are inserted and fastened last (see chap. 2.8, p.14).



This floor mounting nevertheless allows both a plinth drawer to be fitted and the plinth panels to be omitted.

[11.2 Ground fixation]

Mounting from two modules in one shelving unit:



[Fig.: Module A_400 system]

From a number of two modules in a shelving unit, two steel brackets are used per module. Make sure that the two straps (2) are arranged diagonally opposite each other. The two lugs (2) are threaded around the adjustable feet (1) with the loop provided for this purpose and then fastened to the floor with the appropriate fasteners (two screws and dowels per lug).



This floor mounting nevertheless allows both a plinth drawer to be fitted and the plinth panels to be omitted.

[1 1.3 Attach ballast]

As wall or floor fixing is not possible on site, a ballast must be attached to the system in order to still be able to guarantee stability.

For this purpose, weights are laid in the plinth area. After all the plinth panels have been fitted, there is no longer any sign of this ballast.

It can be formulated for the different system depths:

400 system

Here, ballast is attached in the base area for each module. If a corner module is installed, it is not necessary to attach ballast or any other anti-tilt device.

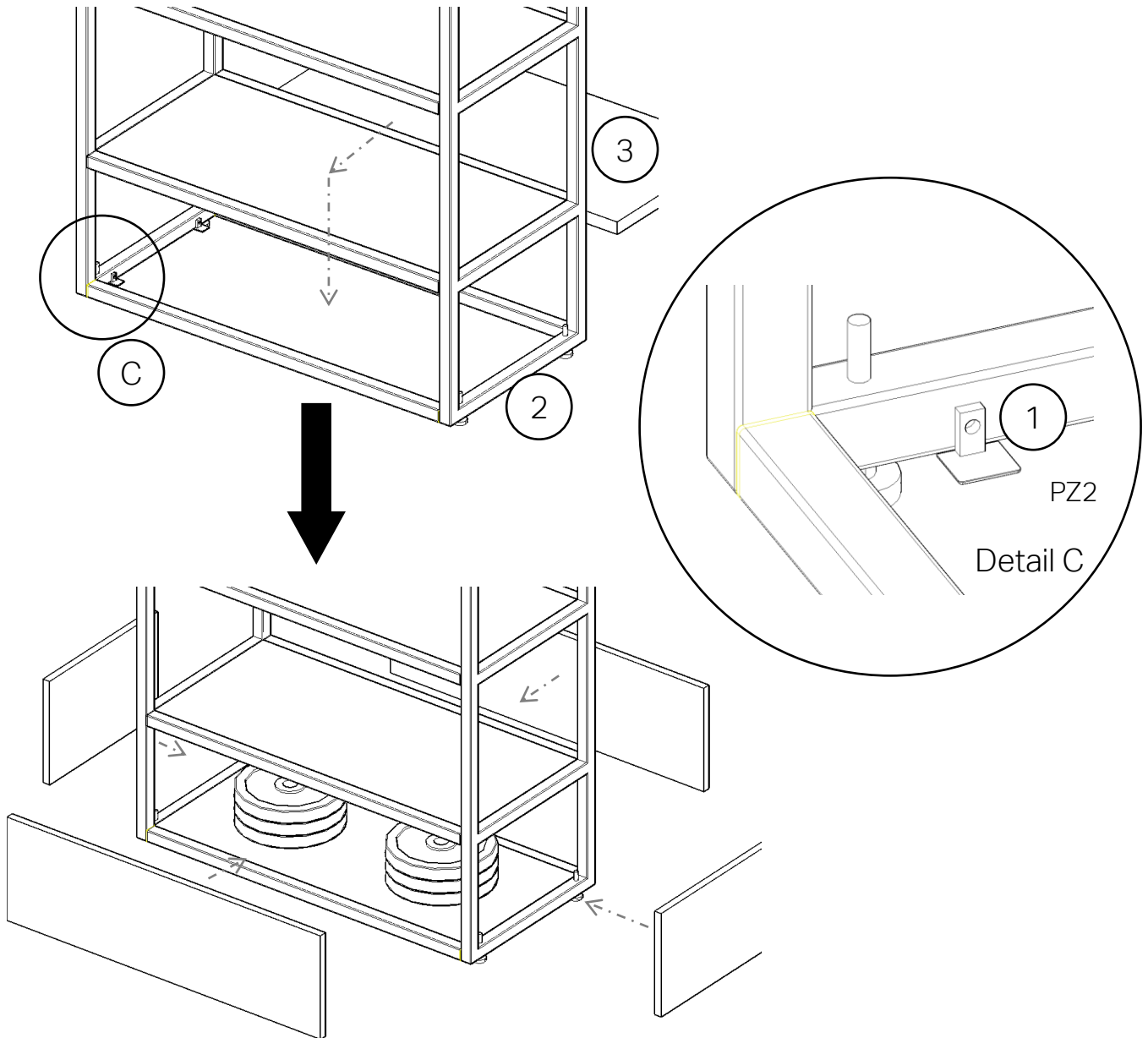
650 system

If the racking unit consists of less than three units, at least one unit must be ballasted with weights as shown in the following figure on the next page. From the number of three units, no attachment of ballast is necessary. Again, if a corner module is installed, no fastening and no other anti-tilt measures need to be carried out.



A plinth drawer cannot be installed in the plinth area in those modules with ballast. In addition, the plinth area must be closed in any case with the matching panels to conceal the ballast.

[11.3 Attach ballast]



[Fig.: Module A_400 system]

In order to be able to guarantee the stability of a module without wall or floor fixation, a ballast with a total weight of 30 kg must be placed in the base area. For this purpose, an additional shelf (3) with its four shelf supports (1) is inserted into the lowest level of the grid. Corresponding holes for the shelf supports are already provided in the ladders (2). Then the six 5 kg weight plates included in the delivery can be placed on the shelf. For an even positioning of the plates, two round timbers are to be attached vertically at the designated place on the shelf (see drillings). The weights are to be threaded onto these timbers. Finally, the plinth panels can be inserted as described in detail in chapter 2.8 - Plinth panels (p.14).

[As of: July 2023]

This document is updated on an ongoing basis.

Should you nevertheless miss any information or have any queries, we would be pleased to receive feedback from you at: hello@mysupergrid.com