Supergrid™ Furniture System

[Assembly instructions]

[Status 05-2024]

[Table of Contents]

[1. Introduction]

The assembly of the SupergridTM space-creating furniture system is described below.

The SupergridTM office furniture system is a modular system from Artis Space Systems GmbH that can be assembled as required from different modules with fixed dimensions. The modules can also be extended and modified at a later date without having to dismantle the entire system.

These modules are available in depths of 400 mm and 650 mm, i.e. the 400 / 650 system, and can also be joined together using special corner modules.

These assembly instructions are intended to ensure safe assembly of the furniture and stability when finished. The relevant static requirements and regulations must be strictly adhered to in order to maintain the quality and guarantee of the system.

Installation should only be carried out by trained and specialised personnel in order to avoid deviations. The chapters and sub-chapters of this manual apply to both System 400 and System 650. The only exceptions are where additional instructions are given. These exceptions are directly related to differentiated safety notes and instructions.

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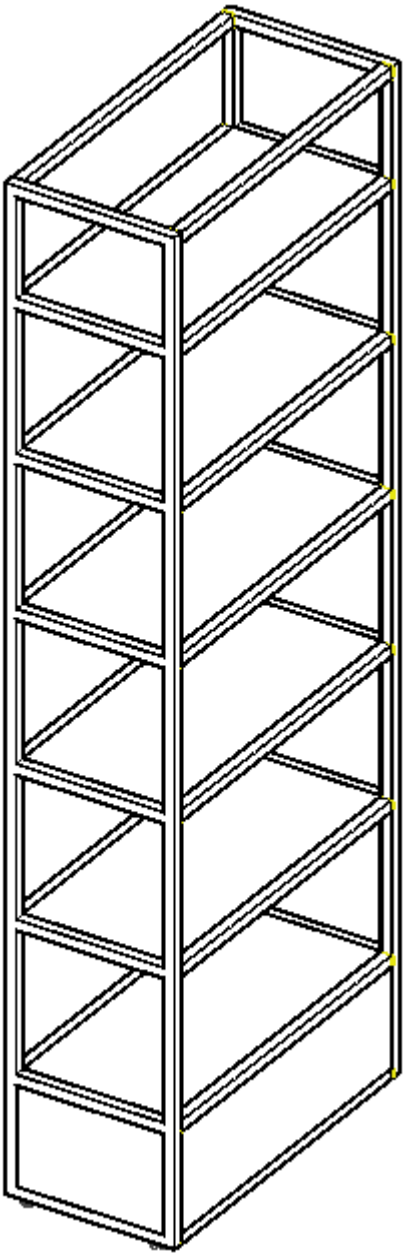
Phone +49 30 69809010 [mail@artisspacesystems.com]

Structure of Module A

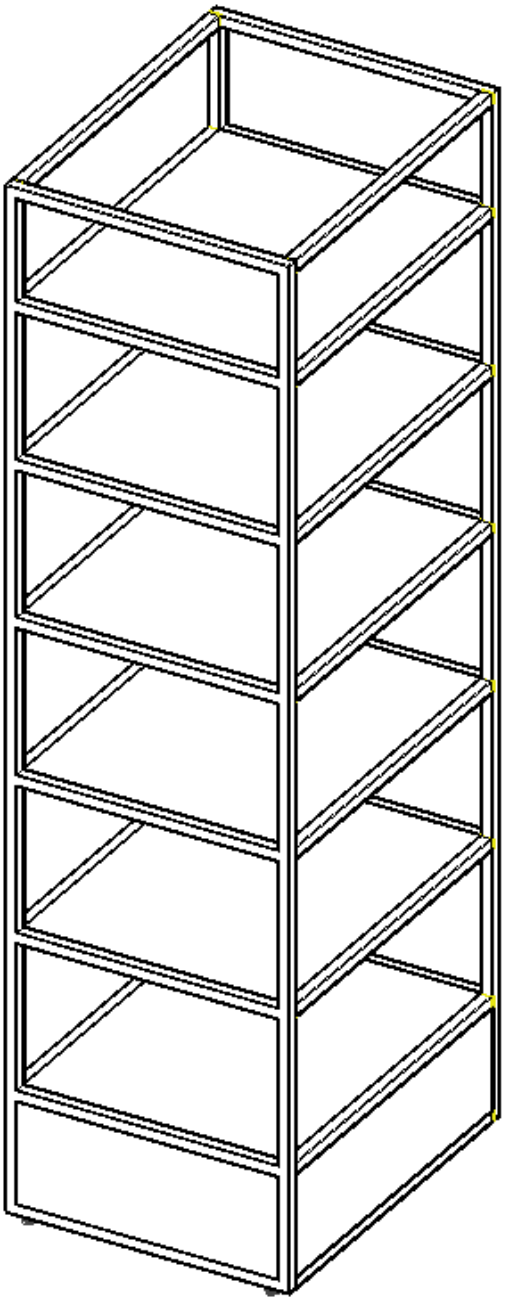
[Fig.: System 400]

[2.1 Overview of the shelves]

Module A



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



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

[2.2 Warnings and parts list of module A]

Only professional installation will ensure safe installation and operation. Therefore, installation should only be carried out by trained and qualified personnel.

These instructions apply to both System 400 and System 650, unless additional information is given.
Caution - Risk of overturning!
The stability requirements in chapter 11 must be strictly observed.

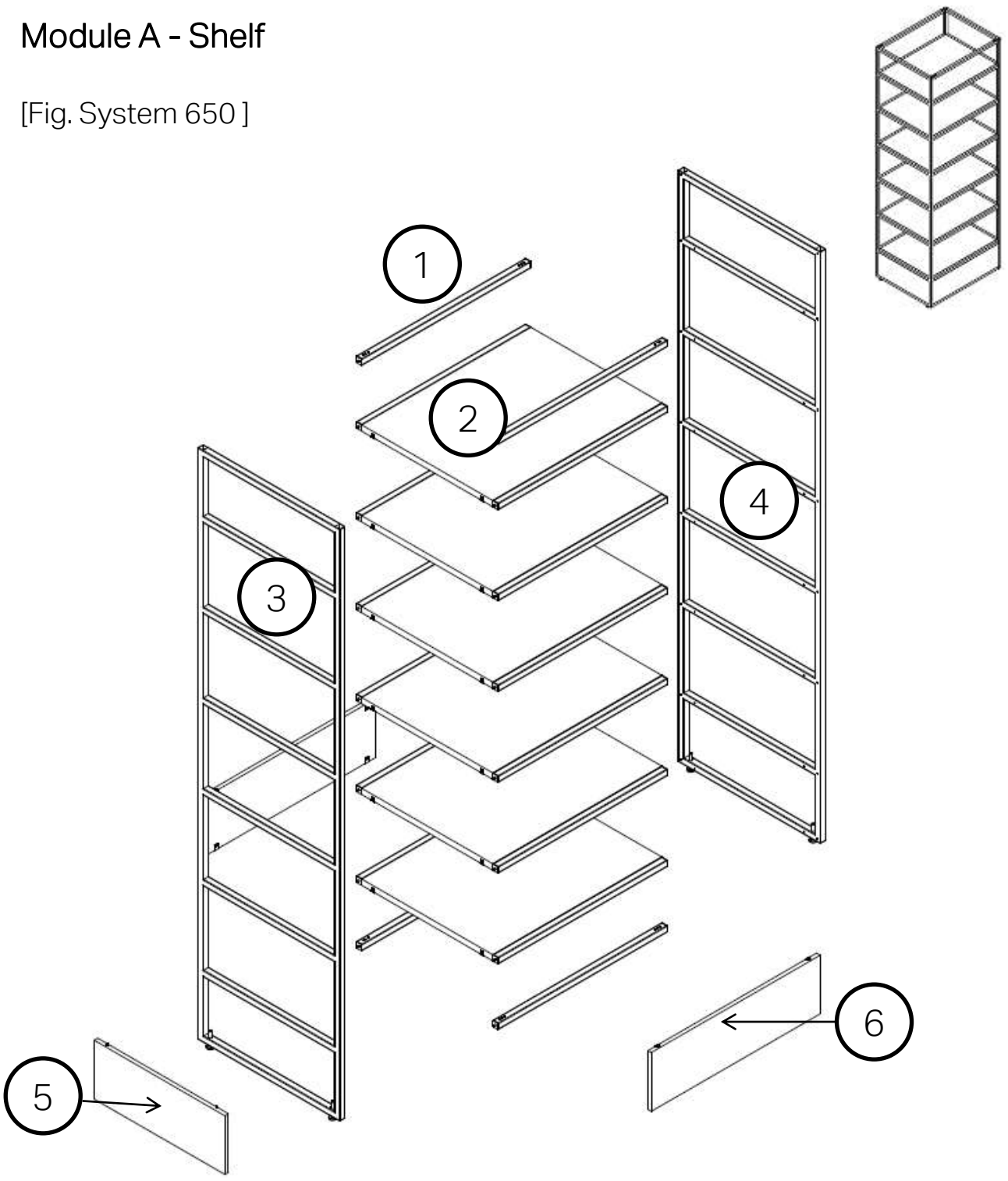
Module A [System 650]

	Designation	Material	L x W x H (mm)	Number of pieces
1	Cross brace (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

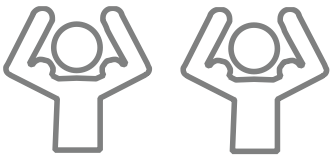
[Fig. System 650]

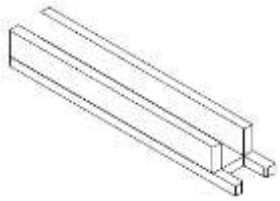


[This shelf reproduces the basic principle of assembly of the Supergrid™. It thus includes both the System 400 and System 650. All other modules are merely variants of this assembly principle].

[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	Stud screw	Steel	M4 x 18	8

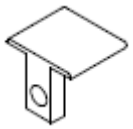
[2.5 Overview of assembly fittings]

Included are :

[pre-assembled]

32 x a

32 x b



24 x c

[pre-assembled]

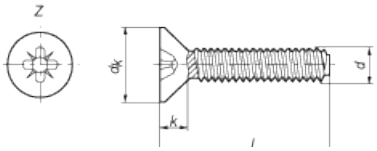
4 x d

[pre-assembled]

2 x e

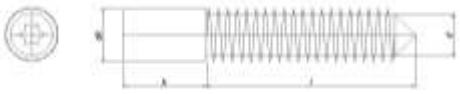
[pre-assembled]

8 x f



M5x10

24 x g

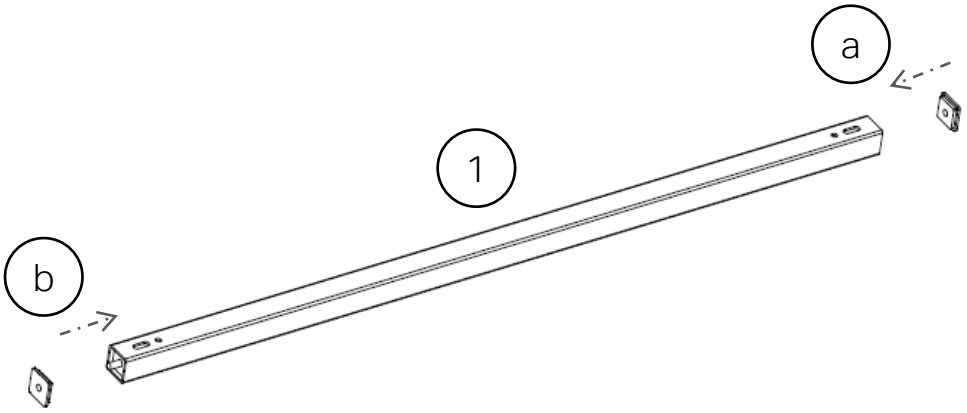


M4x18

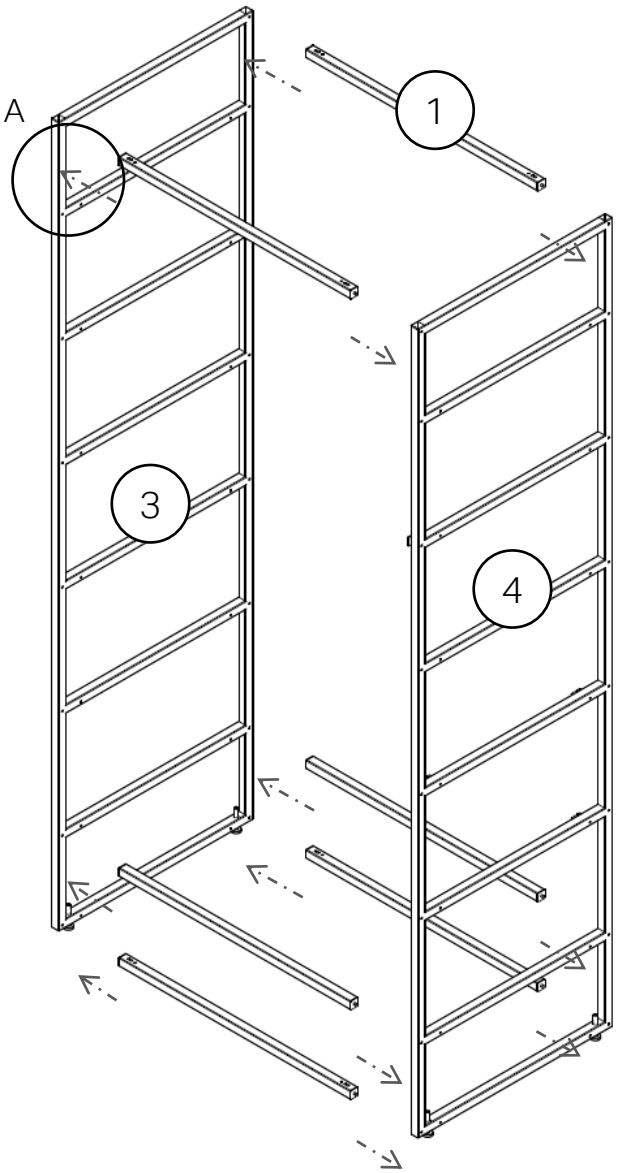
8 x h

Here we go ...

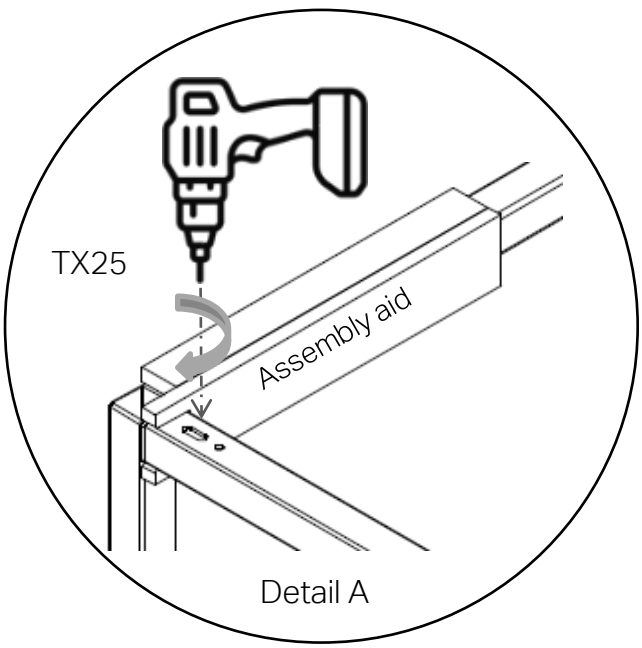
[2.6 Cross braces]



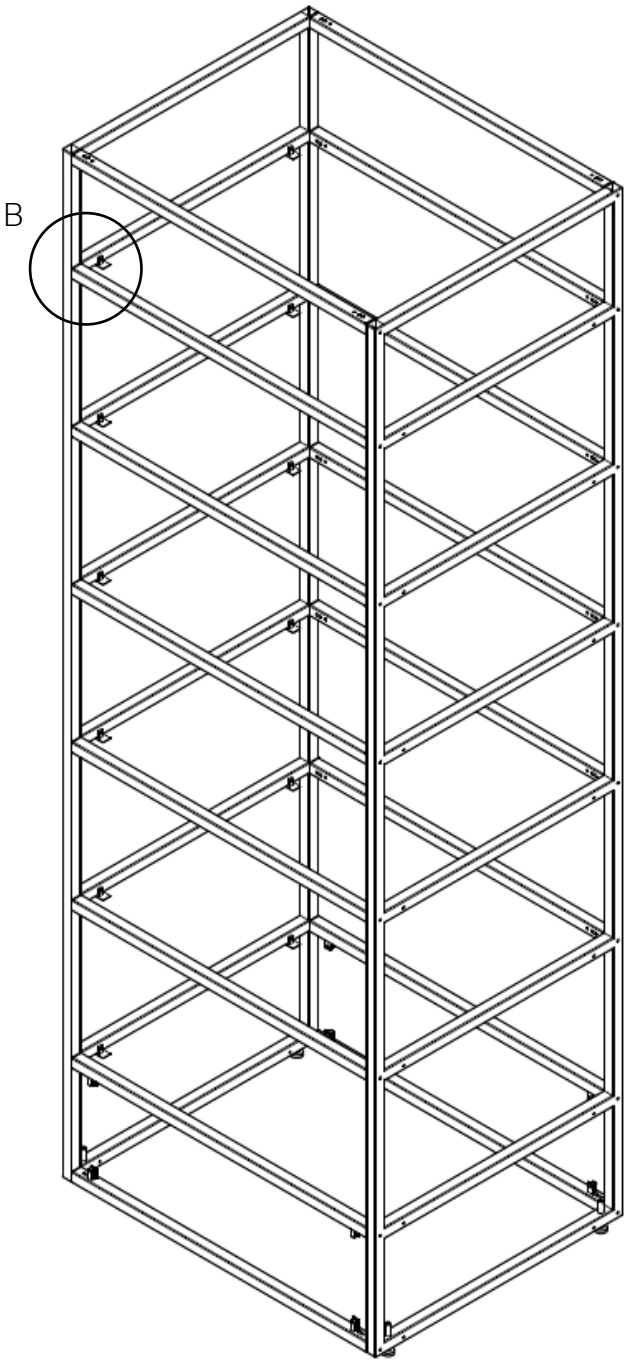
The distance plates (b) must be placed on the cross struts (1) over the system connectors (a) pre-assembled in the cross struts.



The cross braces (incl. system connectors) can then be positioned using the assembly aid and screwed to the ladders (see detail A).



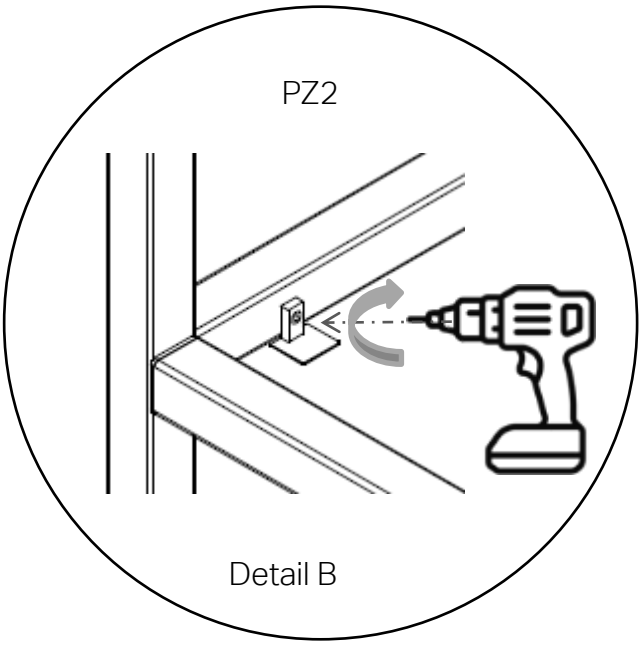
[2.7 Shelves]



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

The rest of the cross struts can then be fitted as before.

All that remains to be done is to insert the shelves (2) (see diagram in section 2.3).



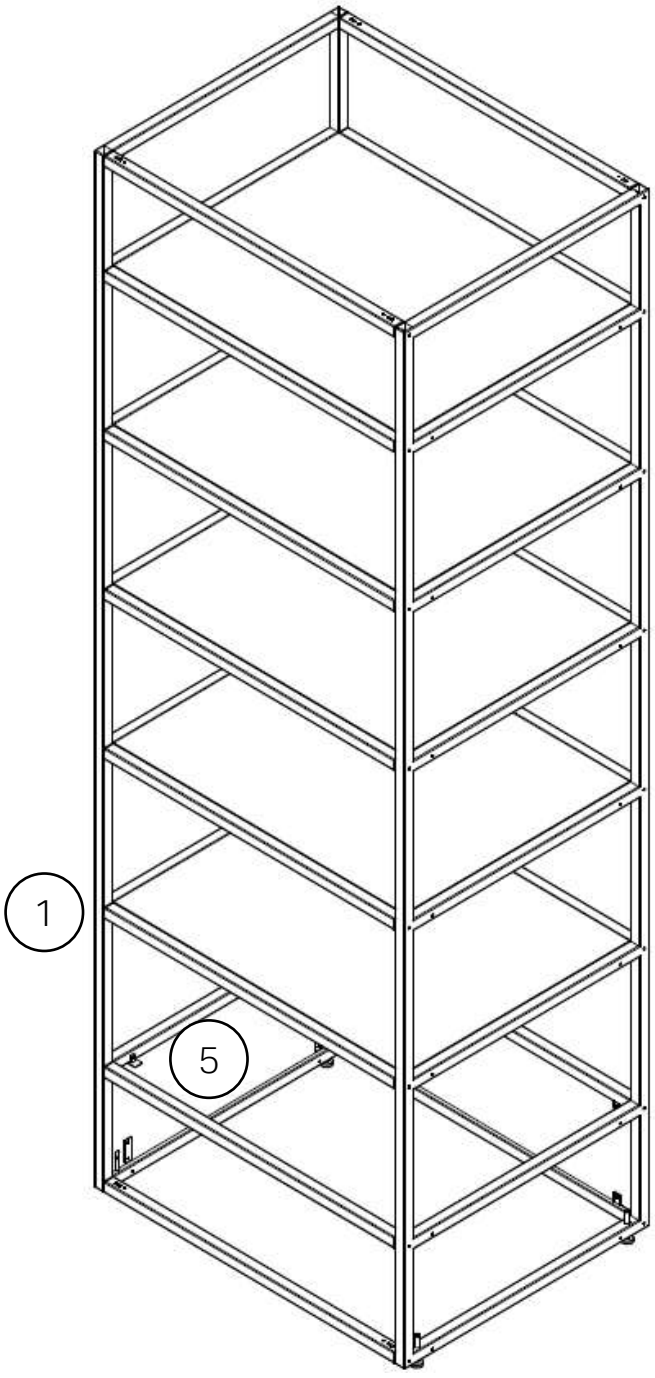
For the best results, see "Tips and tricks" from page 75.

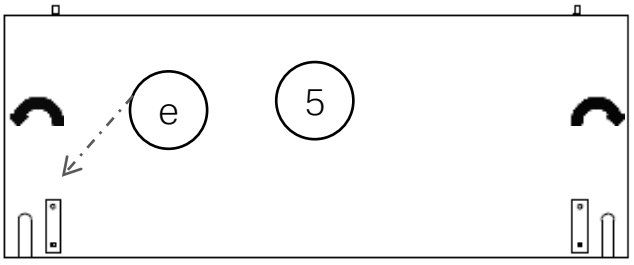
Attention - A maximum load of 30 kg (System 400) or 40 kg (System 650) is recommended for each shelf. This should **not be** exceeded.

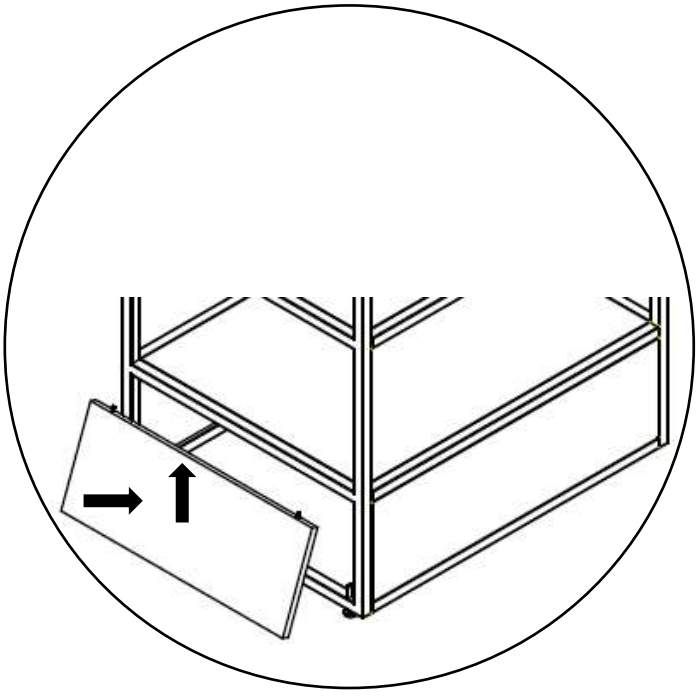
[2.8 Plinth panels]

Side panel (5):

The side panel (5) is inserted from below into the holes in the ladder (1) using the pre-assembled pins. The lower part of the panel can then be folded onto the ladder and locked behind the levelling feet (d) in the direction of the arrow using the pre-assembled flat plates (e).



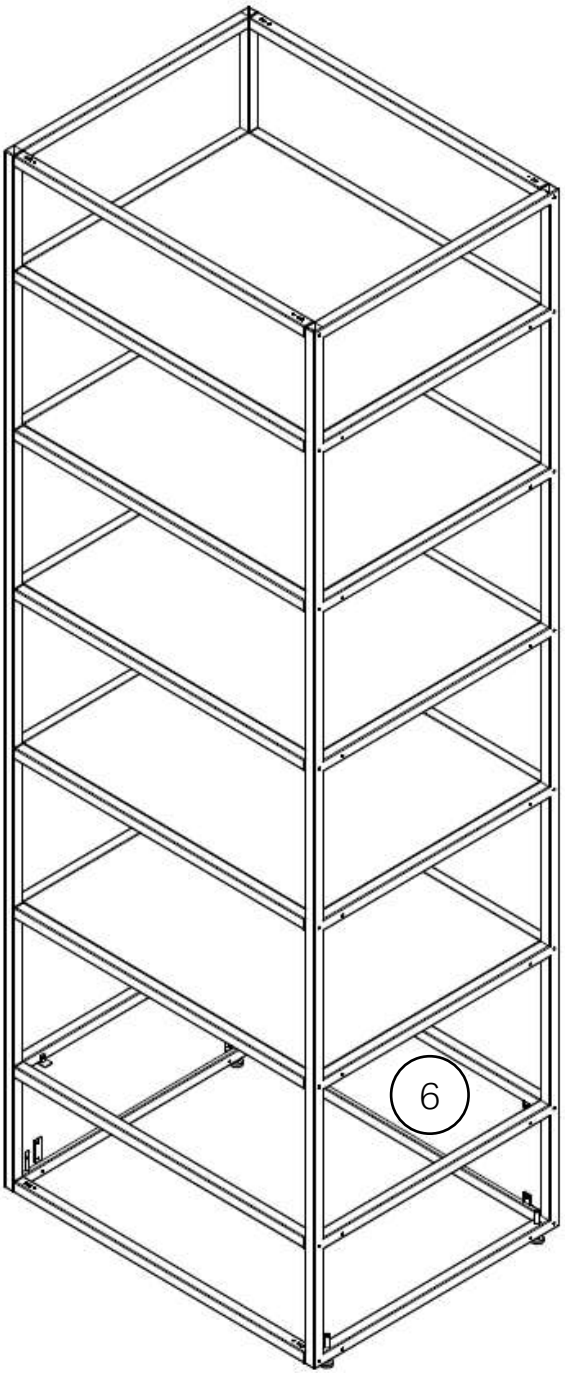




[In the next step, the plinth panels can be attached].

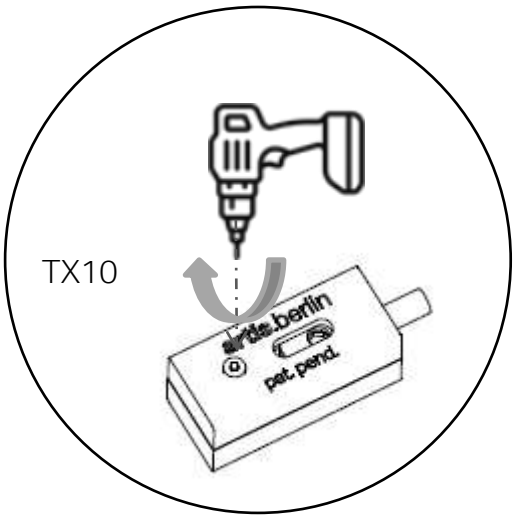
[2.8 Plinth panels]

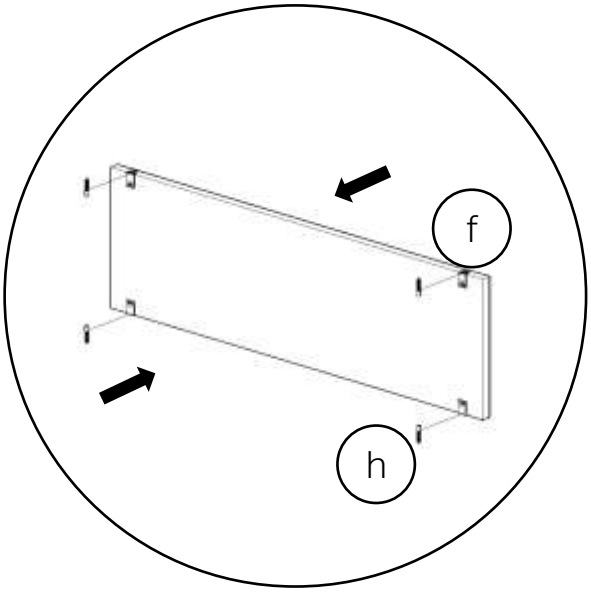
Base trims (6) :



In order to be able to fix the plinth panels, the stud 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 stud screw (h).



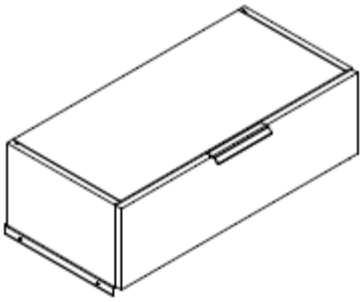


Ready !

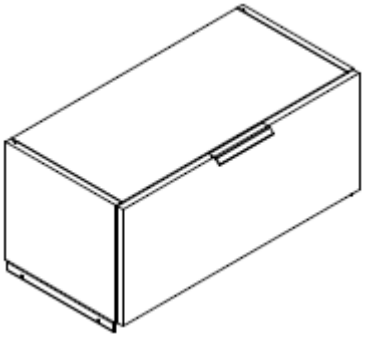
Structure of Module B

[Fig.: System 400]

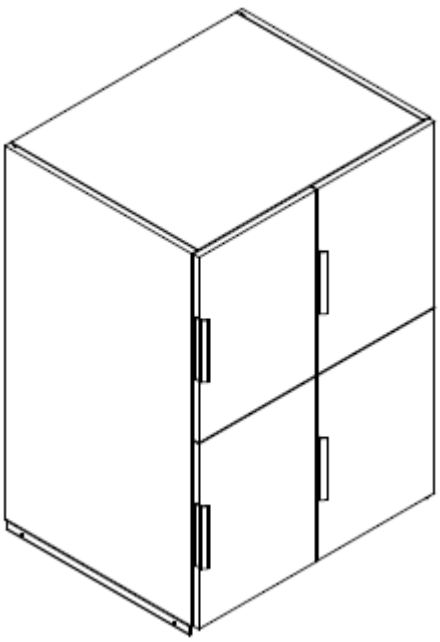
[3.1 Overview of the furniture components]



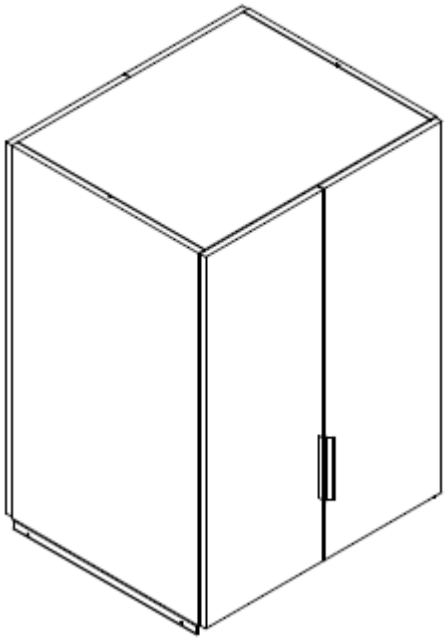
Base drawer
There is a **special feature** here explained in chapter 9.3 - Plinth drawer



Box with drawer
Box with flap



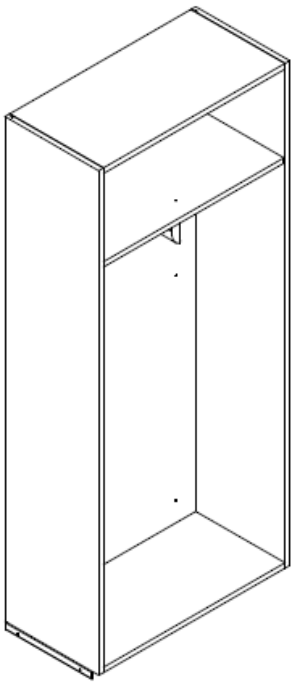
Module B - Lockers



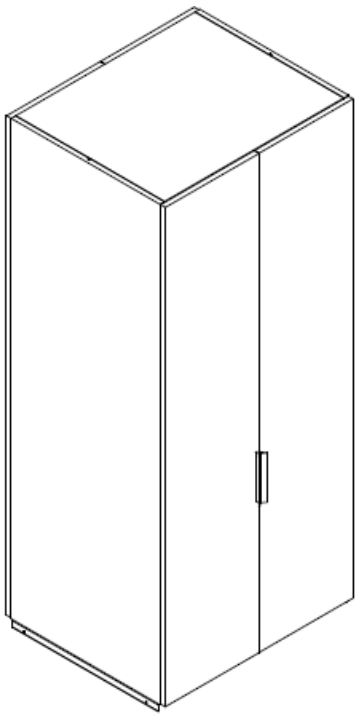
Module C - small filing cabinet

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

[3.1 Overview of the furniture components]



Module D - Wardrobe



Module E - large filing cabinet

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

[3.2 Warnings and parts list of Module B]

Only professional installation will ensure safe installation and operation. Therefore, installation should only be carried out by trained and qualified personnel. These instructions apply to both System 400 and System 650, unless additional information is given.
Caution - Risk of overturning!
The stability requirements in chapter 11 must be strictly observed.

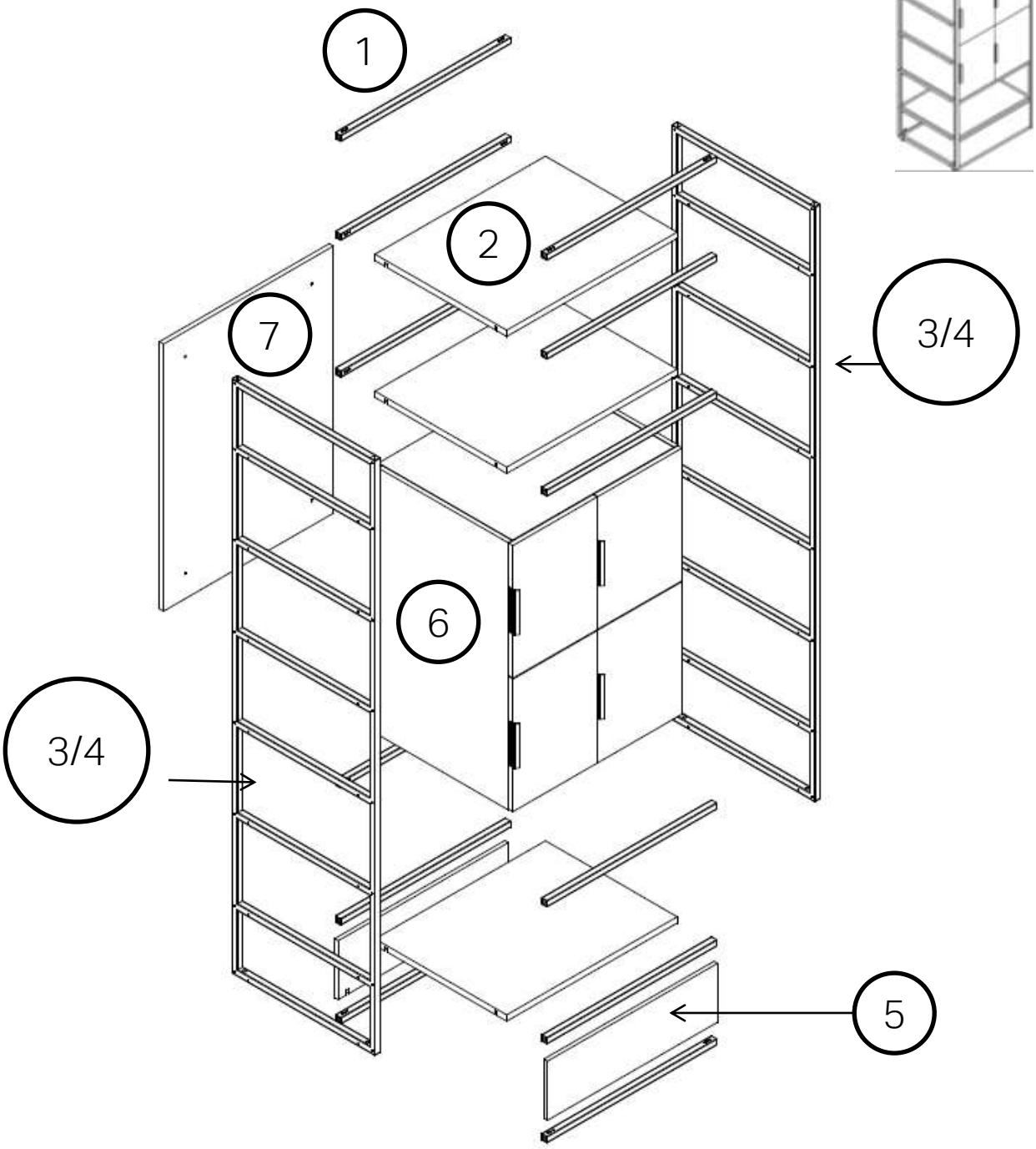
Module B [650 - System]

	Designation	Material	L x W x H (mm)	Number of pieces
1	Cross brace (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 carcase 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. System 650]

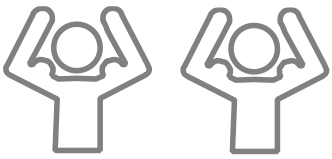


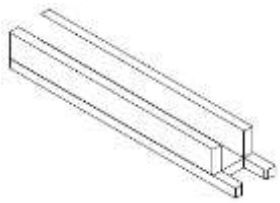
3/4

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 [System 650]

	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 bracket (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	Stud screw	Steel	M4 x 18	8

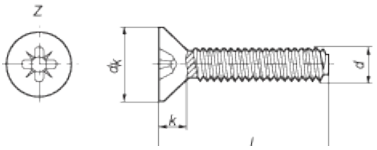
[3.5 Overview of assembly fittings]

Included are :

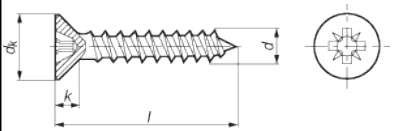
[pre-assembled]

24 x a

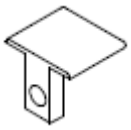
24 x b



16 x g



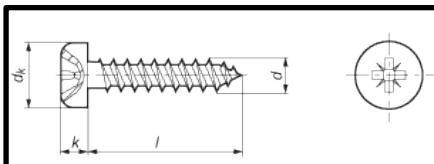
6 x h



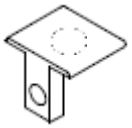
8 x c

[pre-assembled]

4 x d

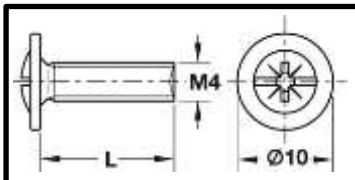


4 x i



4 x e

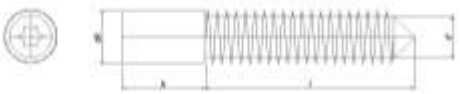
2 x f



4 x j

[pre-assembled]

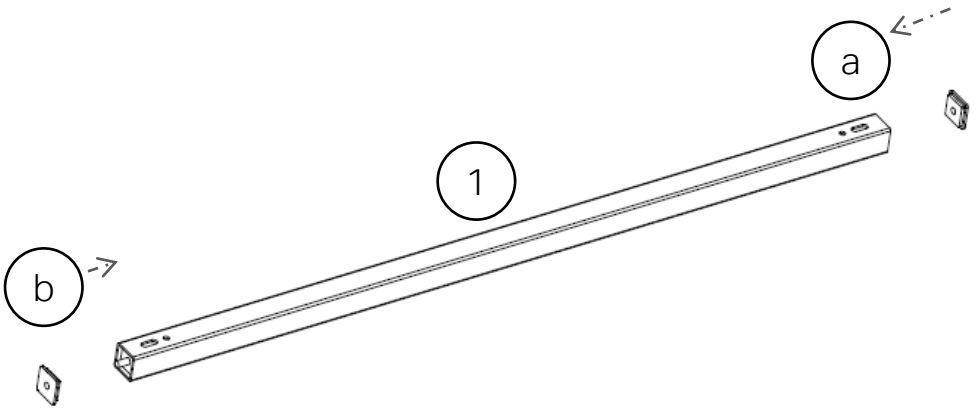
8 x k



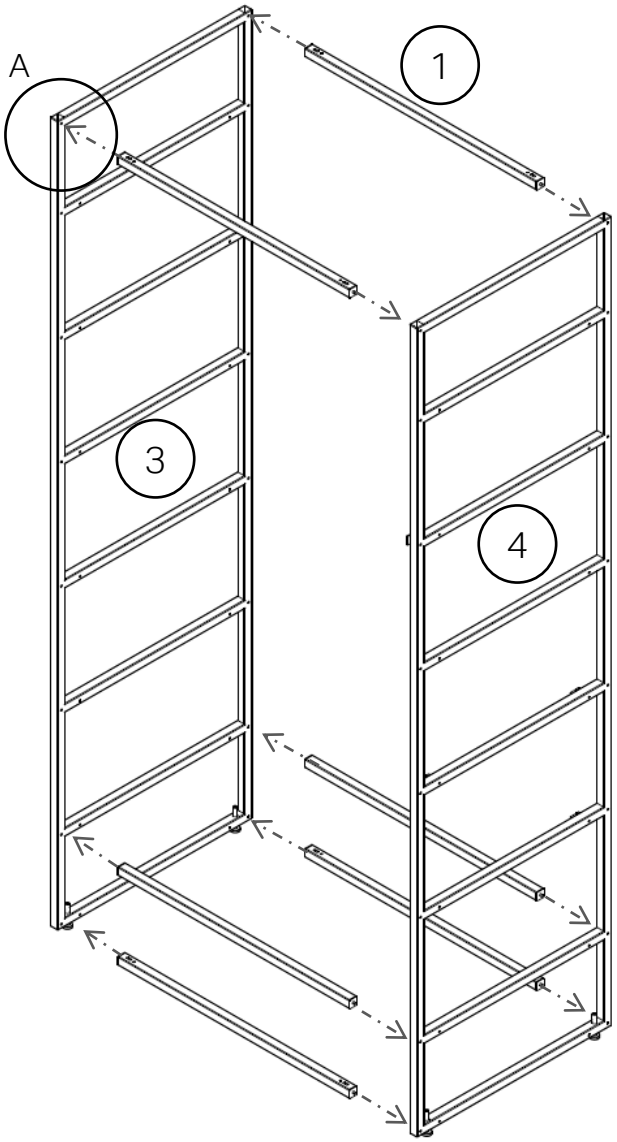
8 x l

Here we go ...

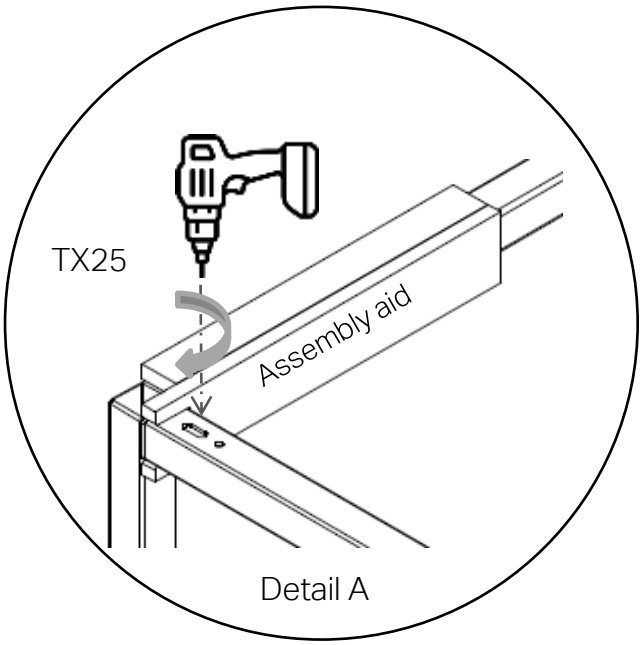
[3.6 Cross brace]



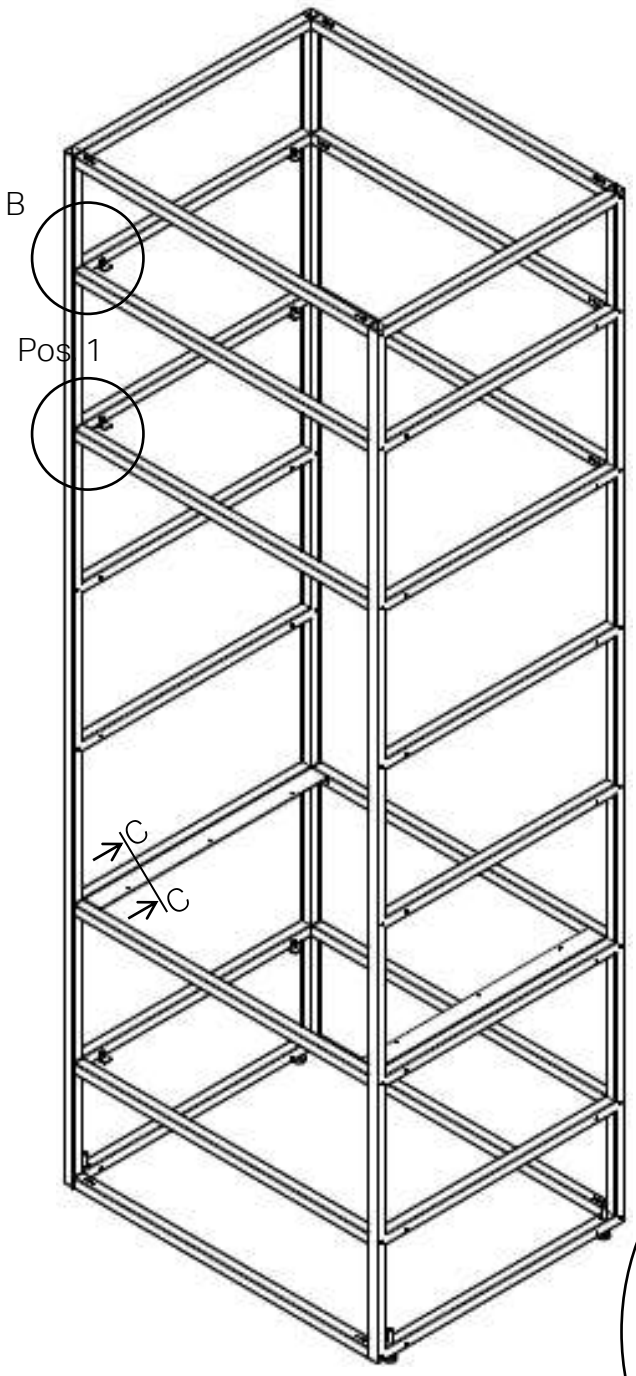
The distance plates (b) are attached to the cross struts (1) via the system connectors (a) pre-assembled in the cross struts.



The cross brace (incl. system connectors) can then be positioned using the assembly aid and screwed to the ladders (see detail A).



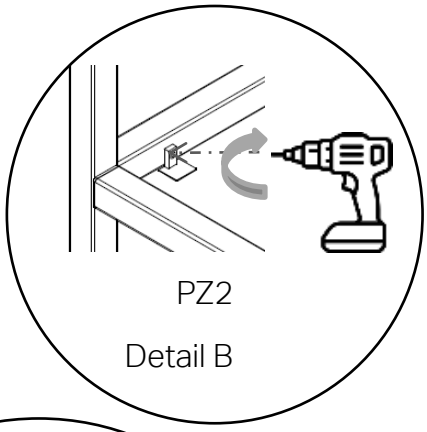
[3.7 Support bracket and insert shelf]

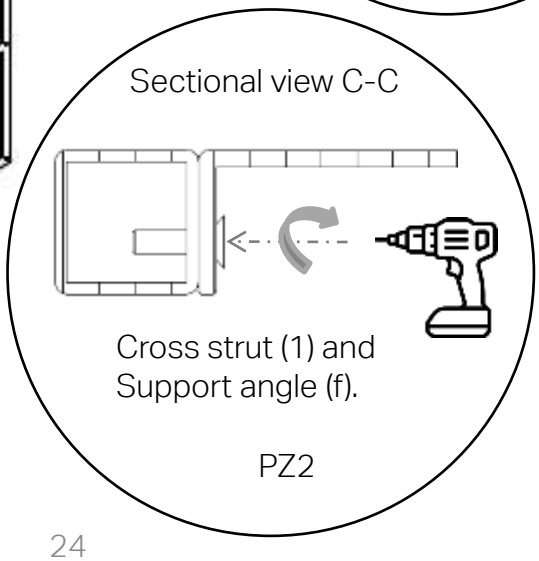


Fix 4 shelf supports (c) to each level using the self-tapping screw (g) as shown in detail B.
Use 4 perforated shelf supports (e) on the level flush with the top of the carcase (pos. 1).

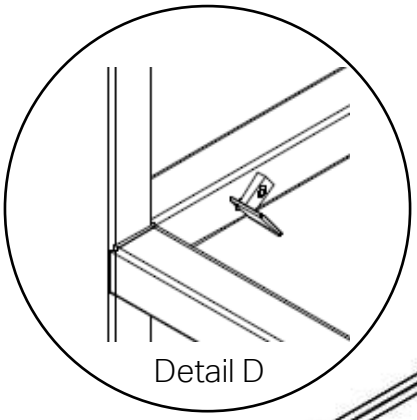
The remaining cross braces can then be fitted as before.

The support brackets (f) are then mounted on the level provided. Place the shorter side of the bracket over the existing holes in the ladder as shown in section C and secure with the self-tapping screws (g). Repeat this procedure on the opposite side.



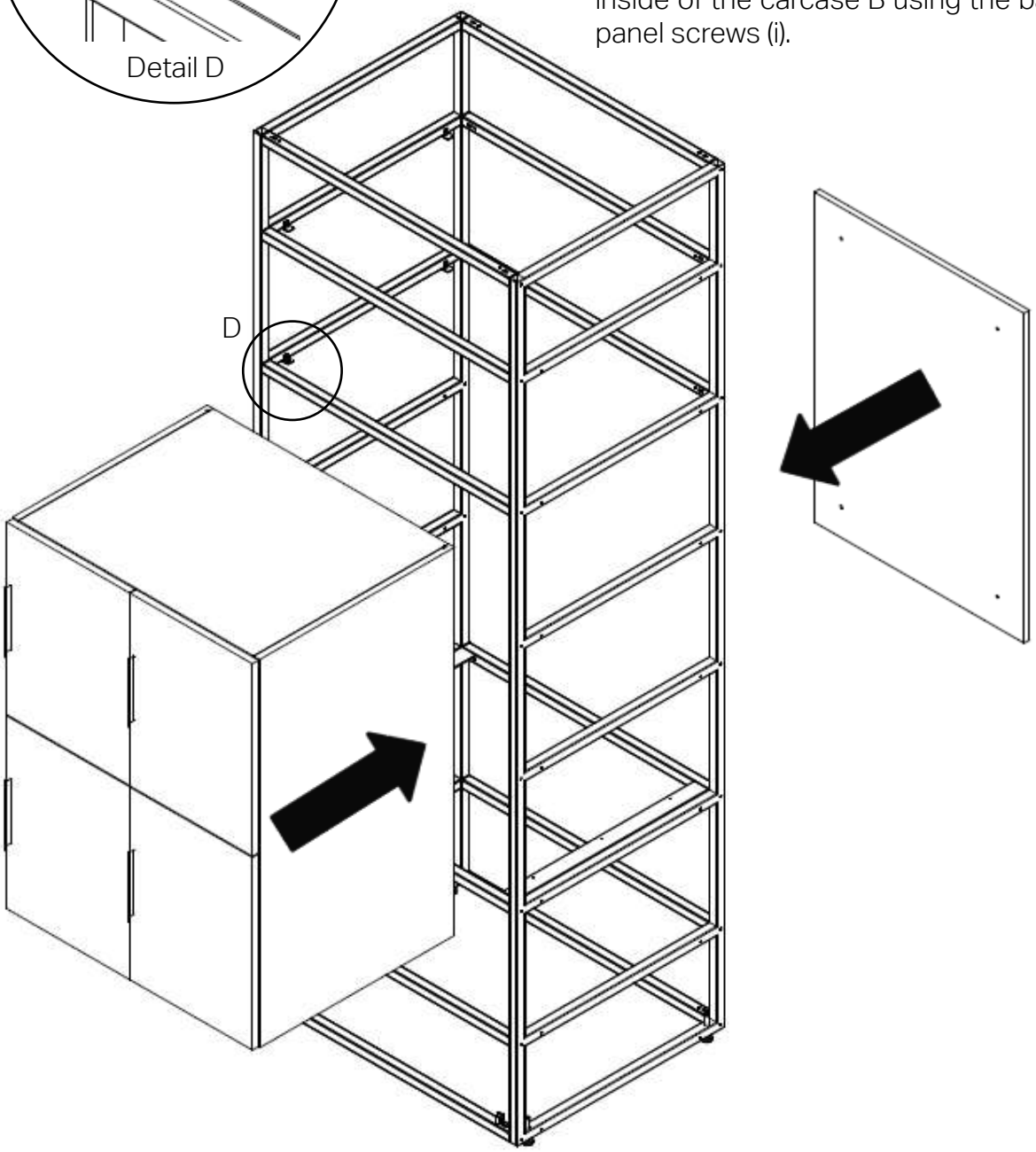


[3.8 Inserting the furniture comp. and back panel].



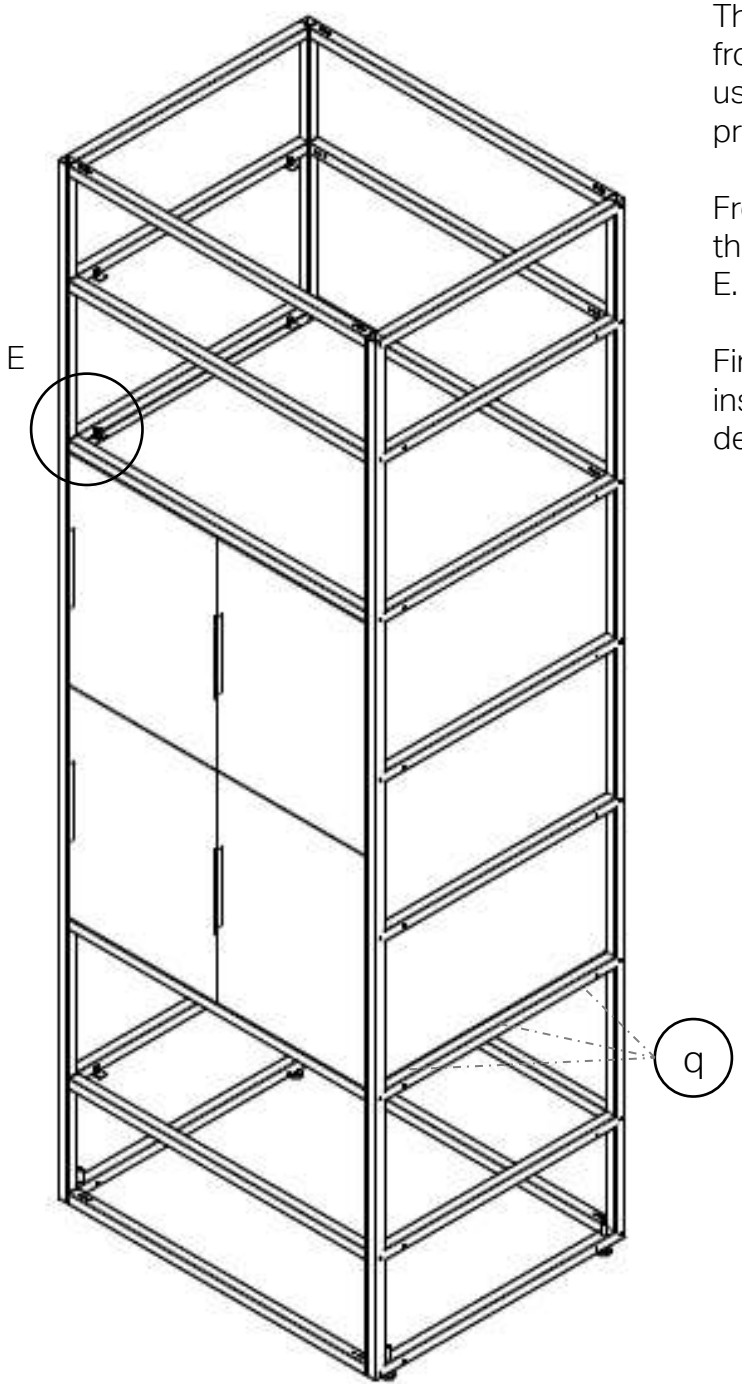
The carcase can now be pushed in over the support bracket (f) in the direction of the arrow. However, all shelf supports (k) must be positioned at an angle before sliding in (detail D).

The back panel is then secured via the inside of the carcase B using 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]

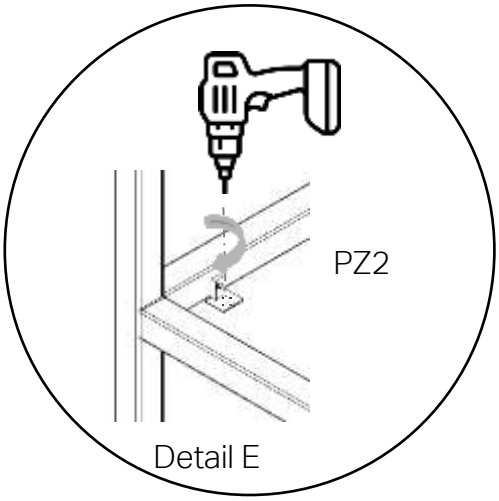


First position the carcase (6), ensuring that the back and front are flush with the front and rear edges of the shelf.

The carcase (6) can then be fastened from below via the support bracket (f) using the countersunk screw (h) in the pre-drilled holes (q) on both sides.

From above, the carcase is secured 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 !

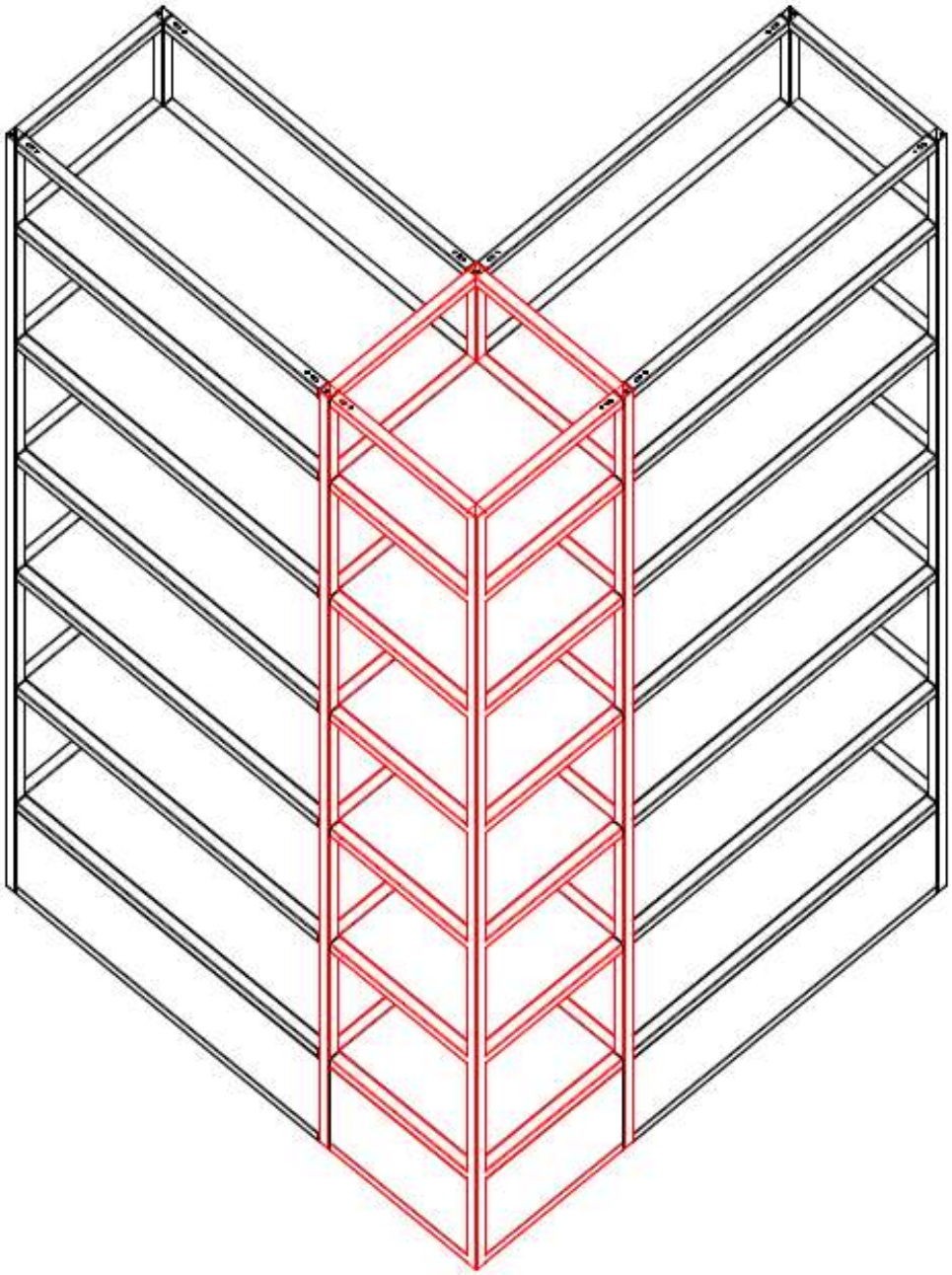
[4. Corner Modules]

Structure of Module L

[Fig.: System 400]

[4.1 Overview of the Corner modules]

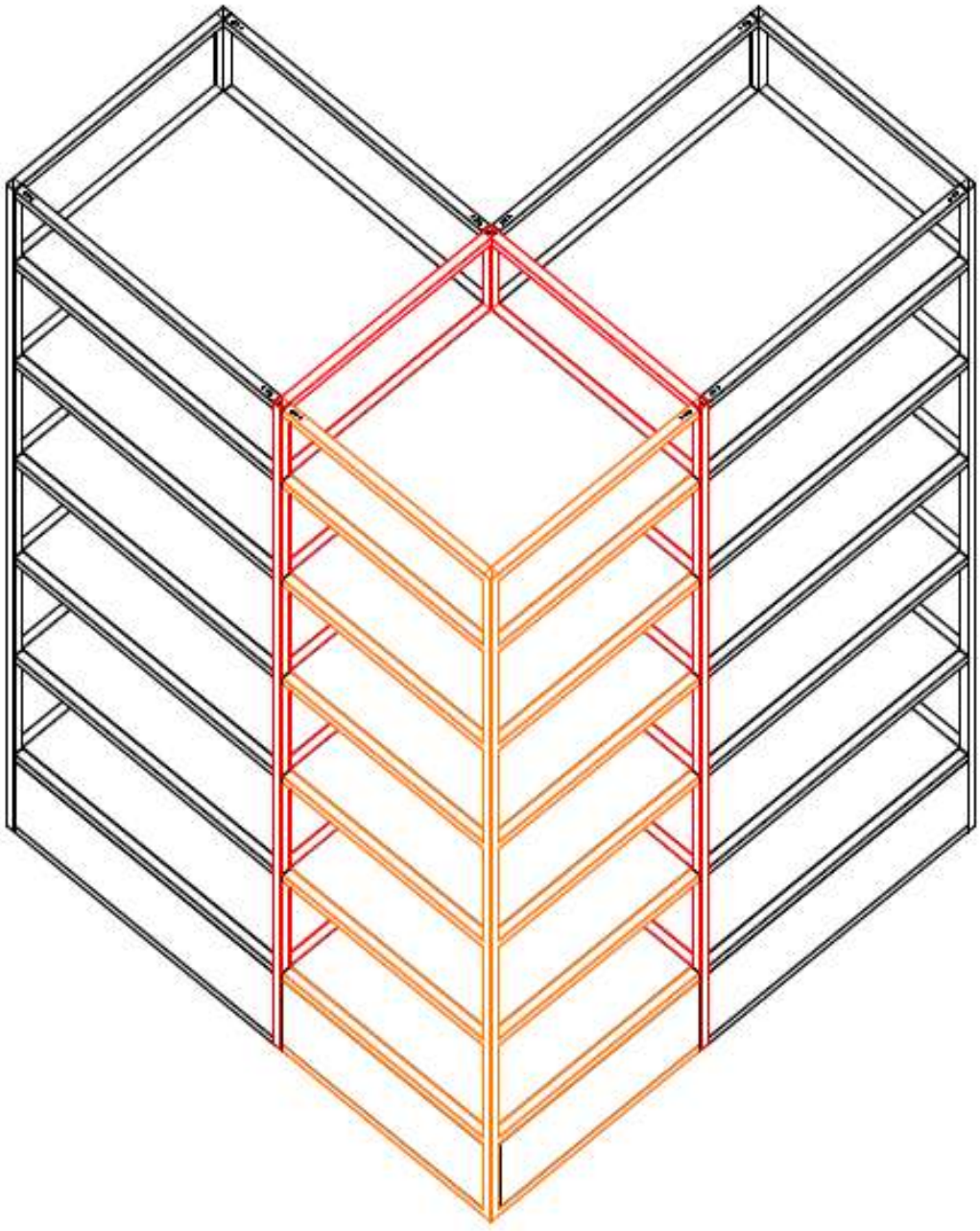
Corner Module L 400_400
Connection of system depth
400 mm with 400 mm



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

[4.1 Overview of the Corner Modules]

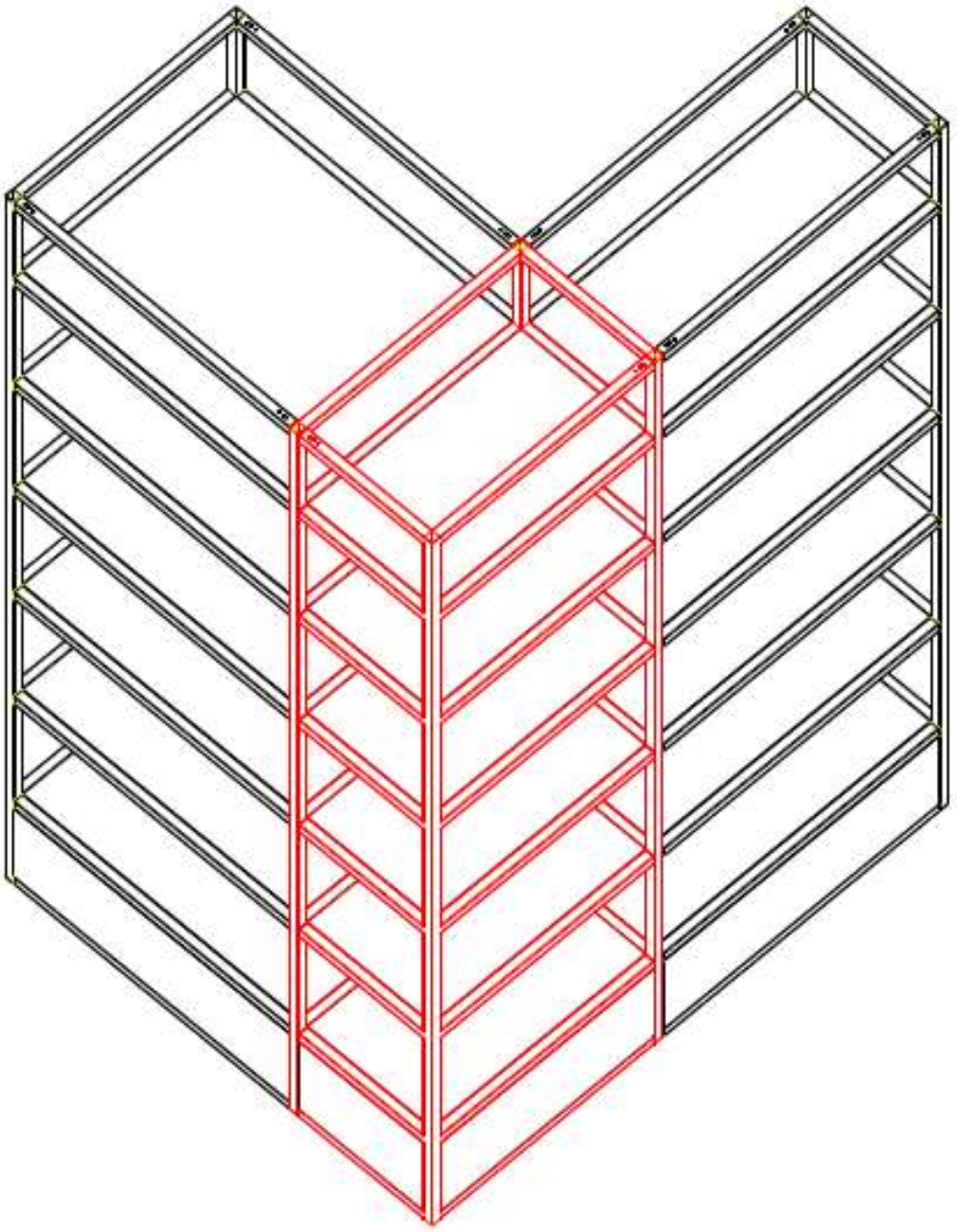
Corner Module L 650_650
Connection of system depth
650 mm with 650 mm



[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

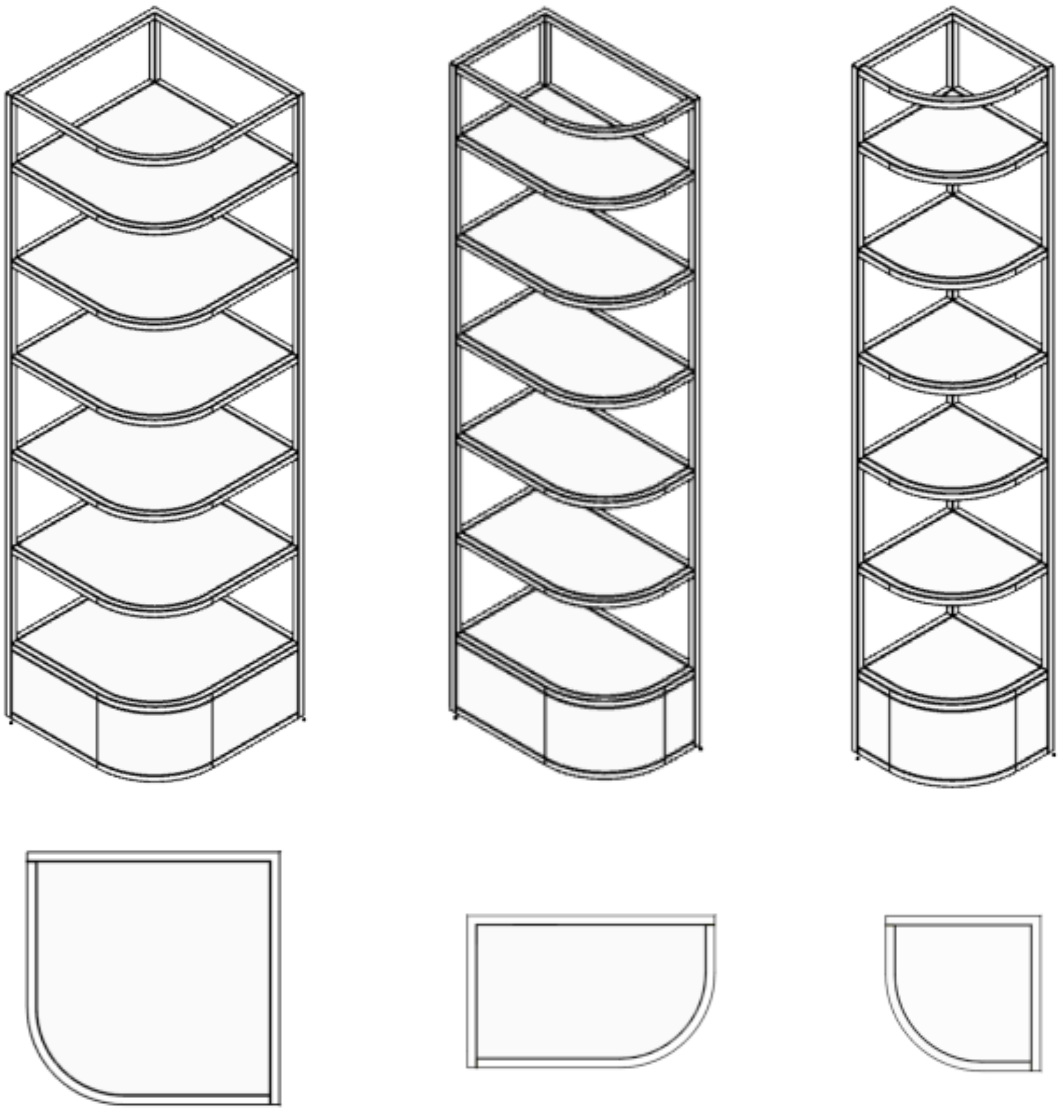


[Corner Module L 650_400 | 400_650] :
D 650/400 mm x W 400/650 mm x H 2360 mm]

[4.1 Overview of the Corner Modules]

Corner Module R_650_650
Corner Module R_650_400 / Corner Module R_400_650
Corner Module R_400_400

Assembly like Corner Modules L



[4.2 Warnings and parts list of Module L]

Only professional installation will ensure safe installation and operation. Therefore, installation should only be carried out by trained and qualified personnel. These instructions apply to both System 400 and System 650, unless additional information is given.
Caution - Risk of overturning!
The stability requirements in chapter 11 must be strictly observed.

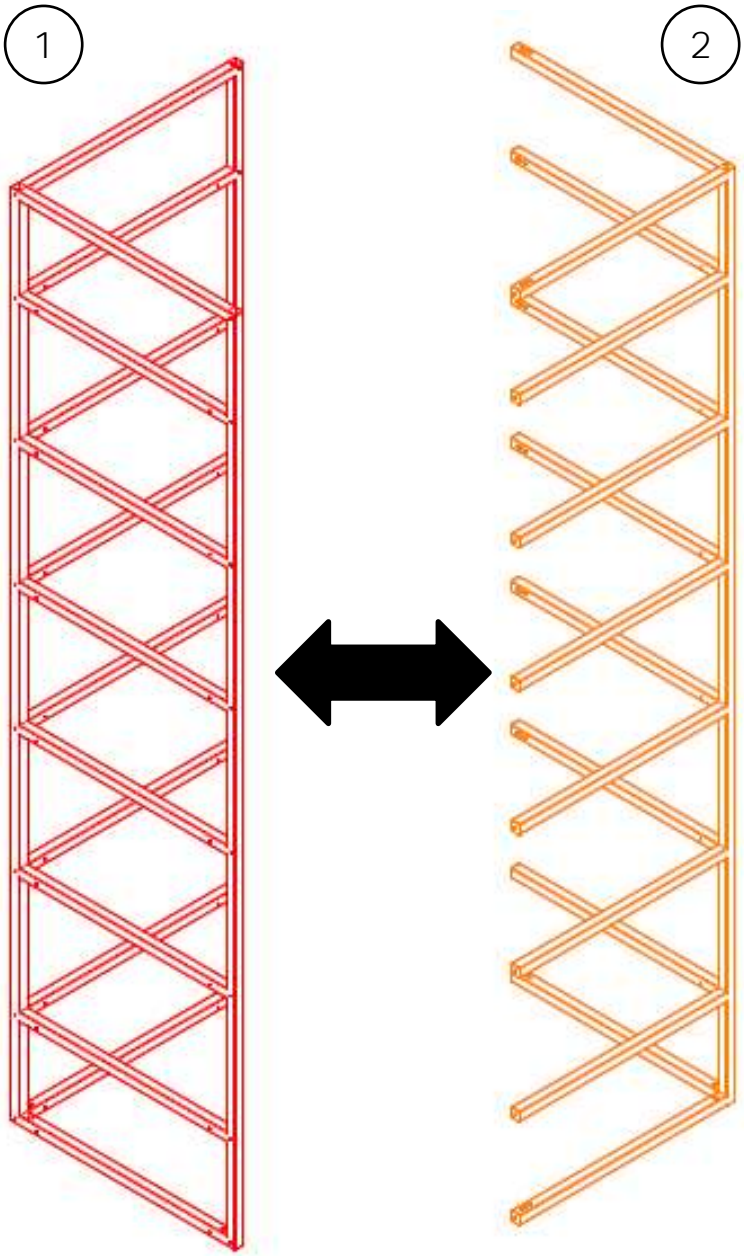
Module L [650 mm x 650 mm]

	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	Plinth panel	Wood-based material, coated	598 x 233 x 16	2

[4.3 Assembly overview of Module L]

Module L - Corner modules

[Fig. System 650]

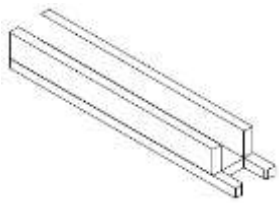


Inside corner (Ladder 1) with three vertical Striving and External holes for connecting modules in the System 650.

Outside corner (ladder 2) with a vertical strut. The system connectors and the spacer plates are included here.

[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	Stud screw	Steel	M4 x 18	8

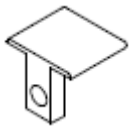
[4.5 Overview of mounting fittings]

Included are :

[pre-assembled]

16 x a

16 x b



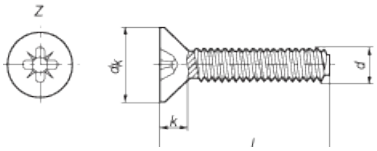
36 x c

[pre-assembled]

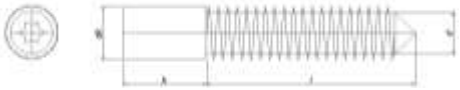
6 x d

[pre-assembled]

8 x e



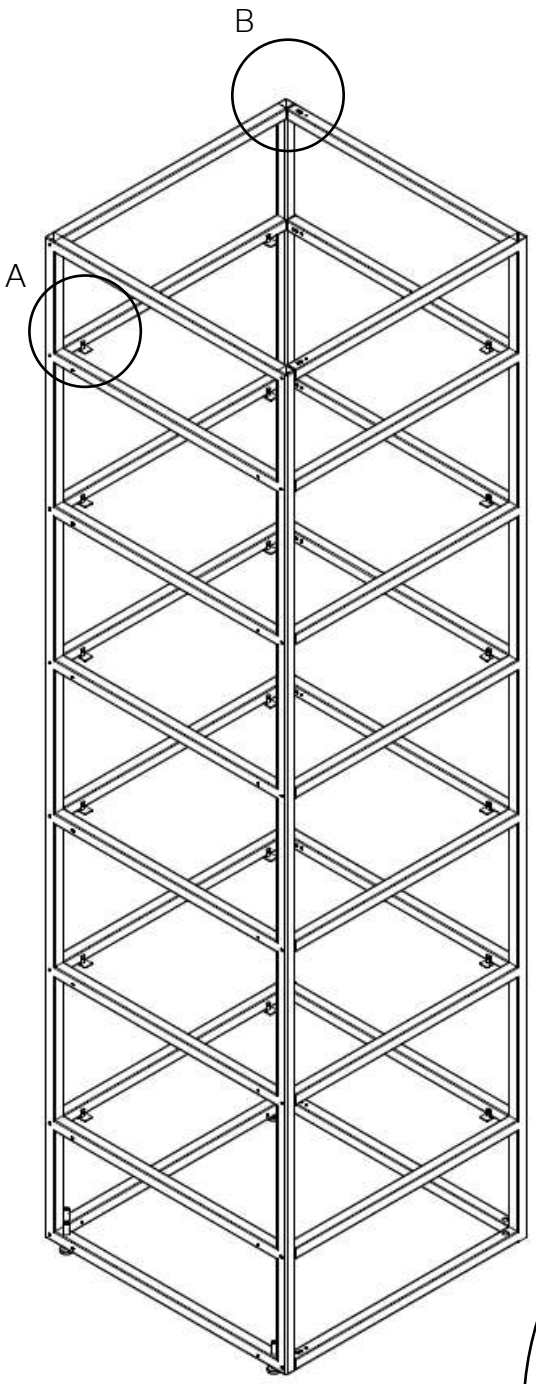
36 x f



8 x g

Here we go ...

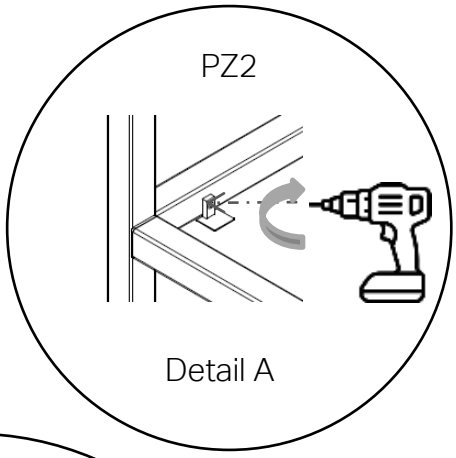
[4.6 Cross braces and shelves]

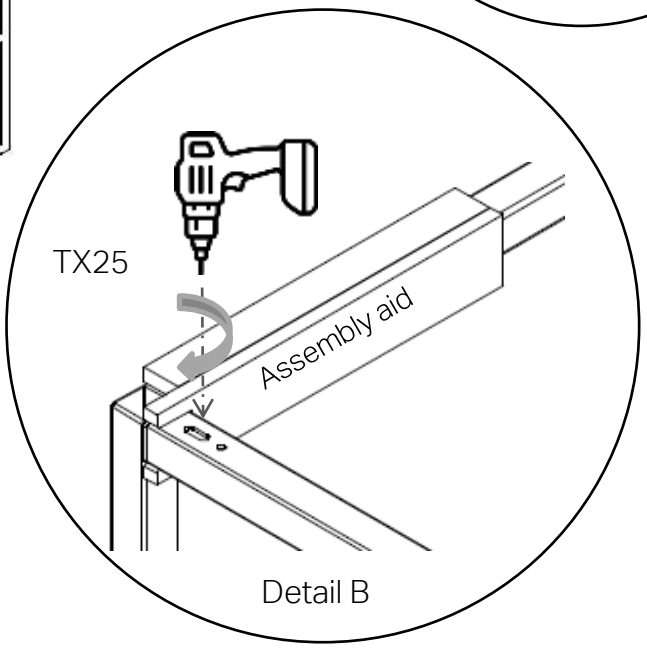


Firstly, the distance plates (b) are attached to the cross braces of ladder 2 using the system connectors (a) pre-assembled in the cross braces.

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

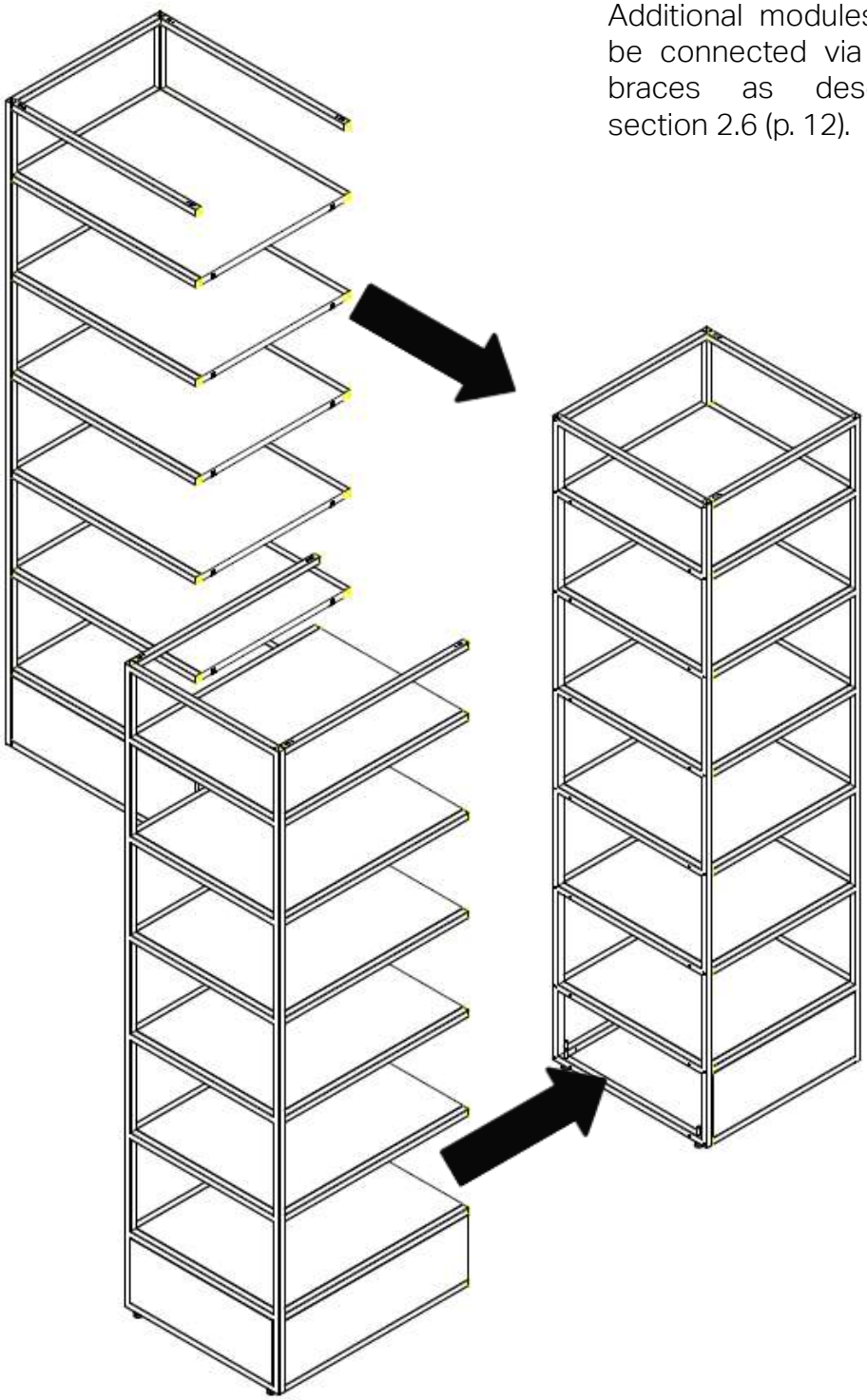
Now 6 shelf supports can be fitted on each level as shown in detail A. The self-tapping screws (f) are used again for this. Finally, insert the shelves.





[4.7 Connecting the modules]

Additional modules can now be connected via the cross braces as described in section 2.6 (p. 12).



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

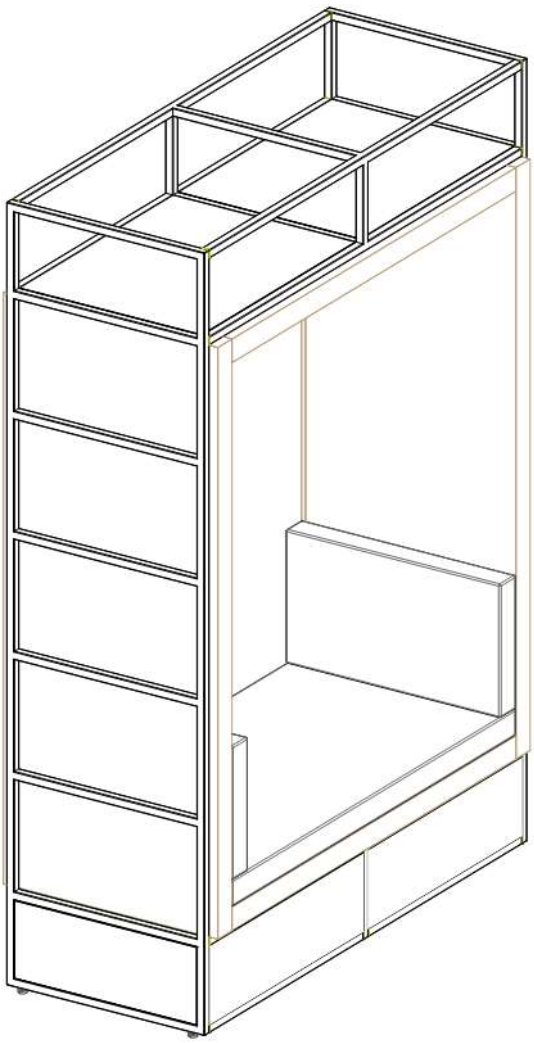
Ready !

Structure of the Modules H & I

[Fig.: Module L_System 650]

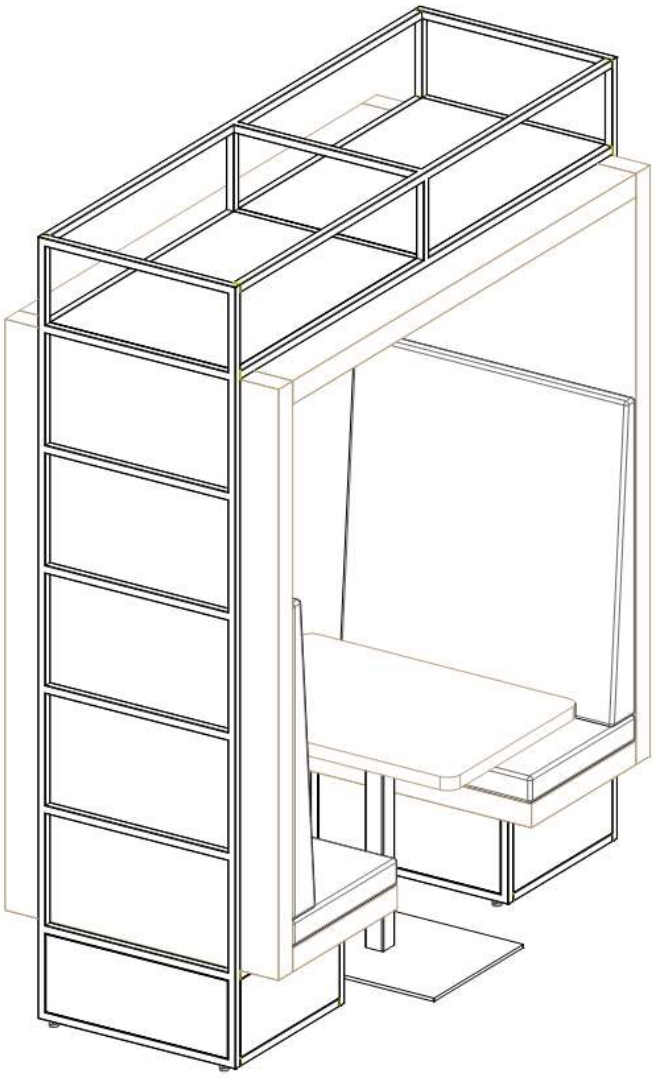
[5.1 Overview of the Seating Modules]

Module H



System 400 and 650 :
[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



System 650 :
[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 professional installation will ensure safe installation and operation. Therefore, installation should only be carried out by trained and qualified personnel.
These instructions apply to both System 400 and System 650, unless additional information is given.
Caution - Risk of overturning!
The stability requirements in chapter 11 must be strictly observed.

Module I with rear wall [System 650]

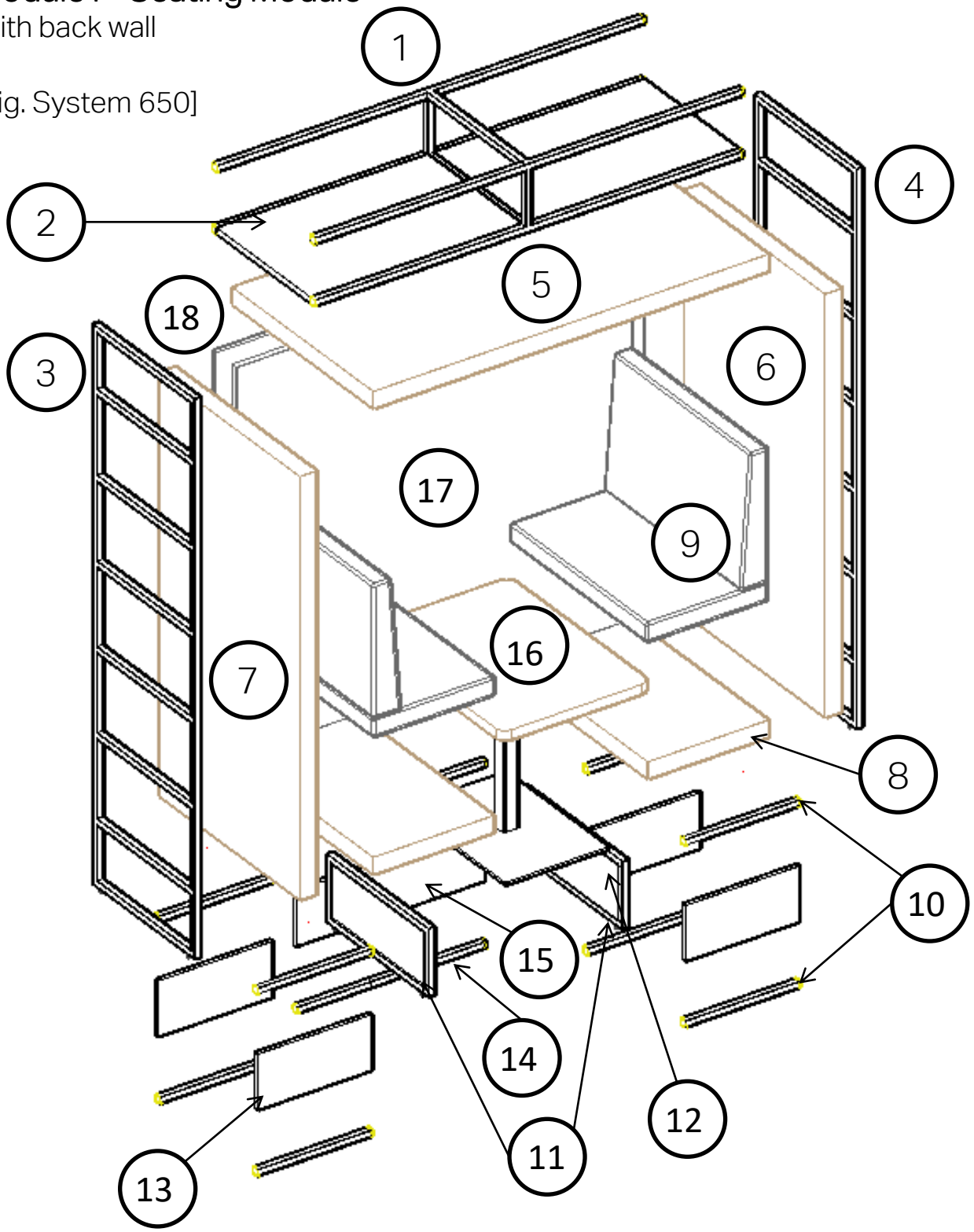
	Designation	Material	L x W x H (mm)	Number of pieces
1	Top drawer	Steel	1871 x 650 x 285	1
2	Shelf	Wood-based material, coated	924 x 599 x 25	2
3	Ladder 1 (perforated on one side)	Steel	650 x 24 x 2345	1
4	Ladder 2 (perforated on both sides)	Steel	650 x 25 x 2345	1
5	Top shelf incl. 8 x eccentric connectors	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 brace 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 brace long	Steel	821x 25 x 25	2
15	Plinth panel 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

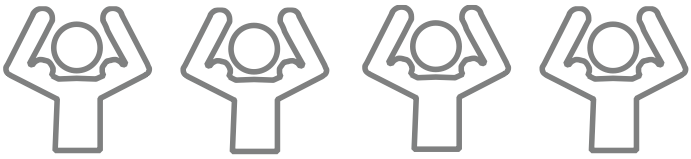
With back wall

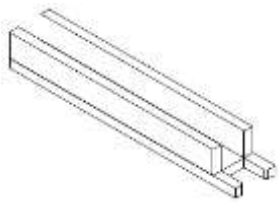
[Fig. System 650]



[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 [System 650]

	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	Stud 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

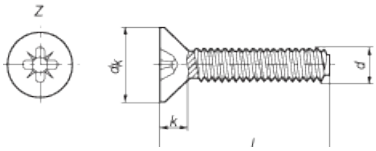
[5.5 Overview of assembly fittings]

Included are :

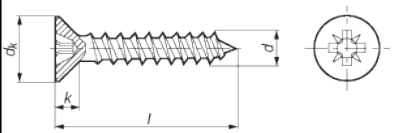
[pre-assembled]

28 x a

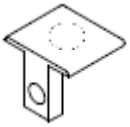
28 x b



16 x g



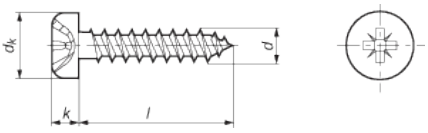
12 x h



8 x c

[pre-assembled]

8 x d

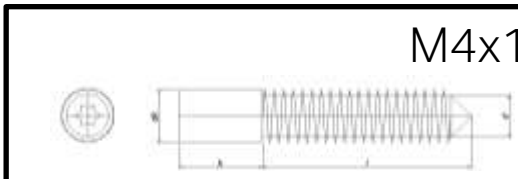


8 x i

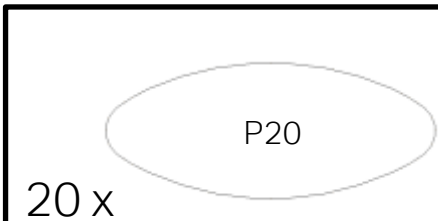
4 x e

[pre-assembled]

28 x f



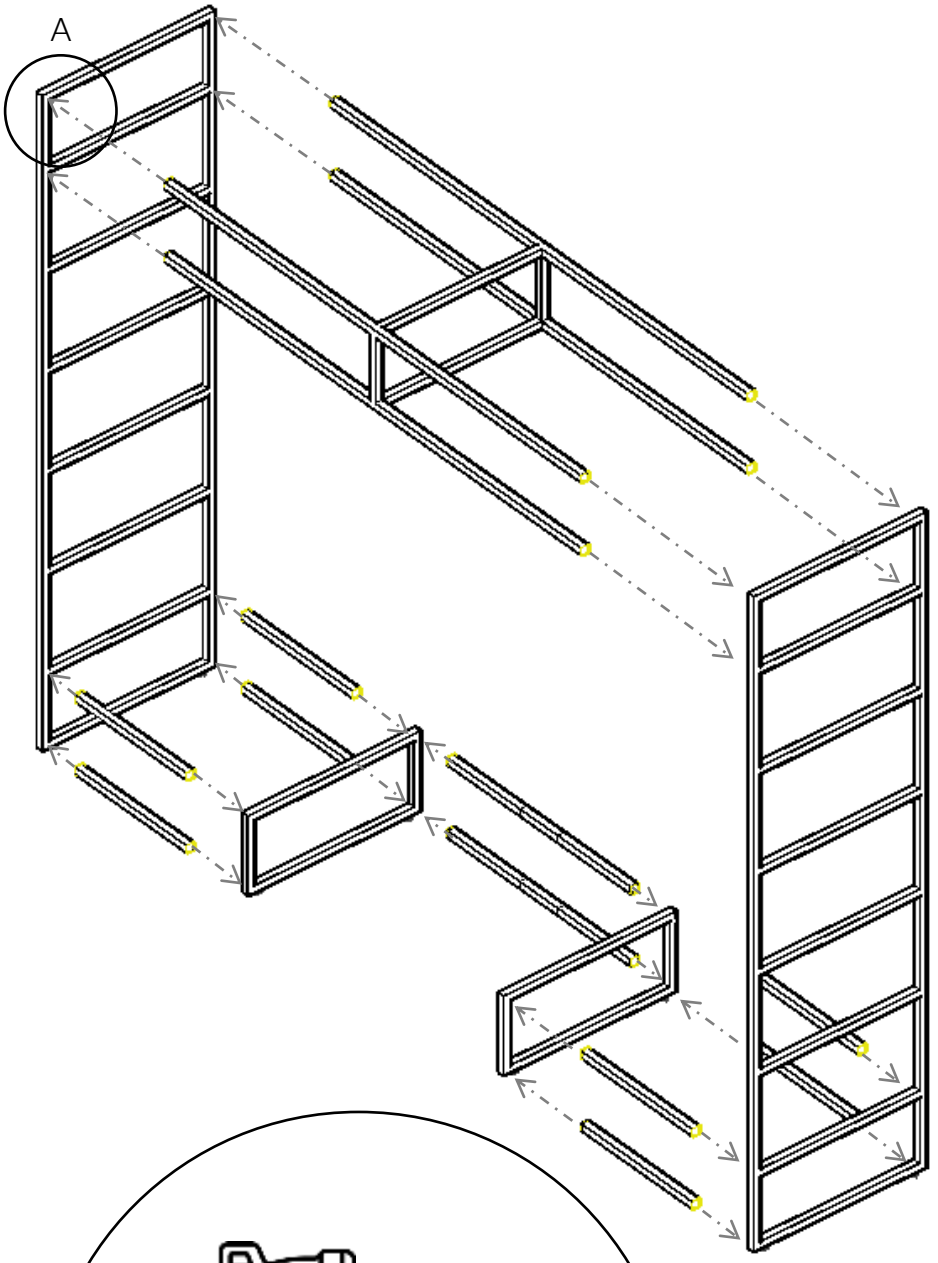
28 x j



20 x k

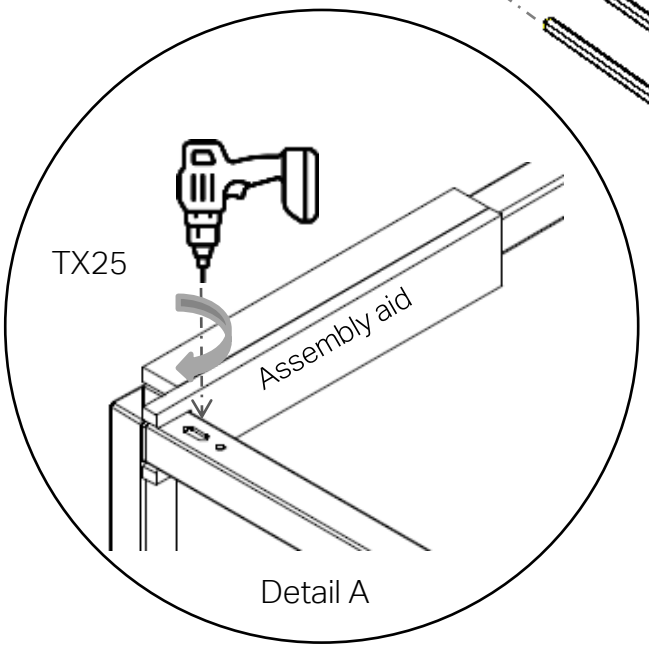
Here we go ...

[5.6 Structure of the basic construction of Module I]



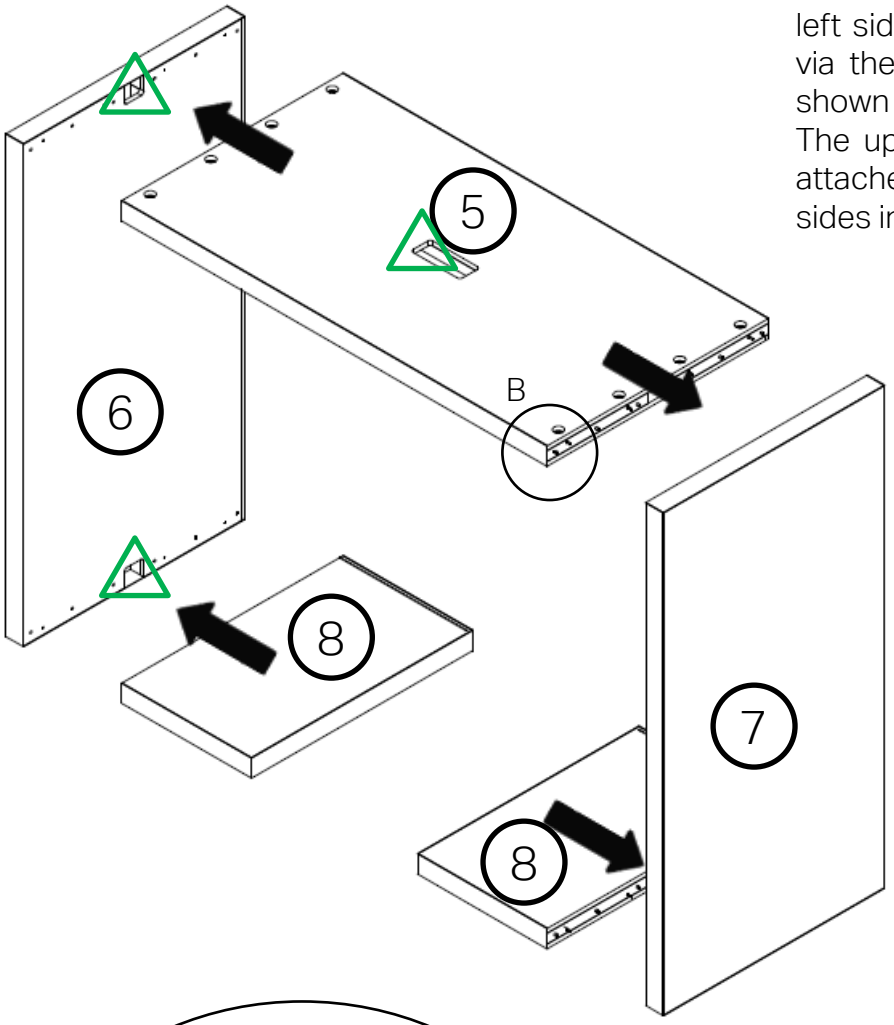
First attach the cross braces (10, 14) and the top beam (1) to the ladders (3, 4, 11) using the assembly aid as shown.
attached as shown in detail A. Described in detail in chapter 2.6 (p.12).

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).

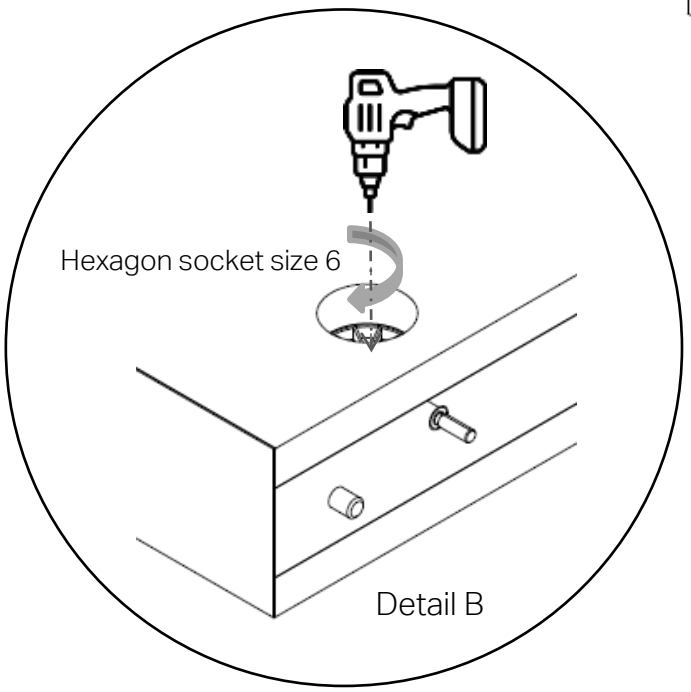


For the best results, see "Tips and tricks" from page 75.

[5.7 Assembly of the bench]



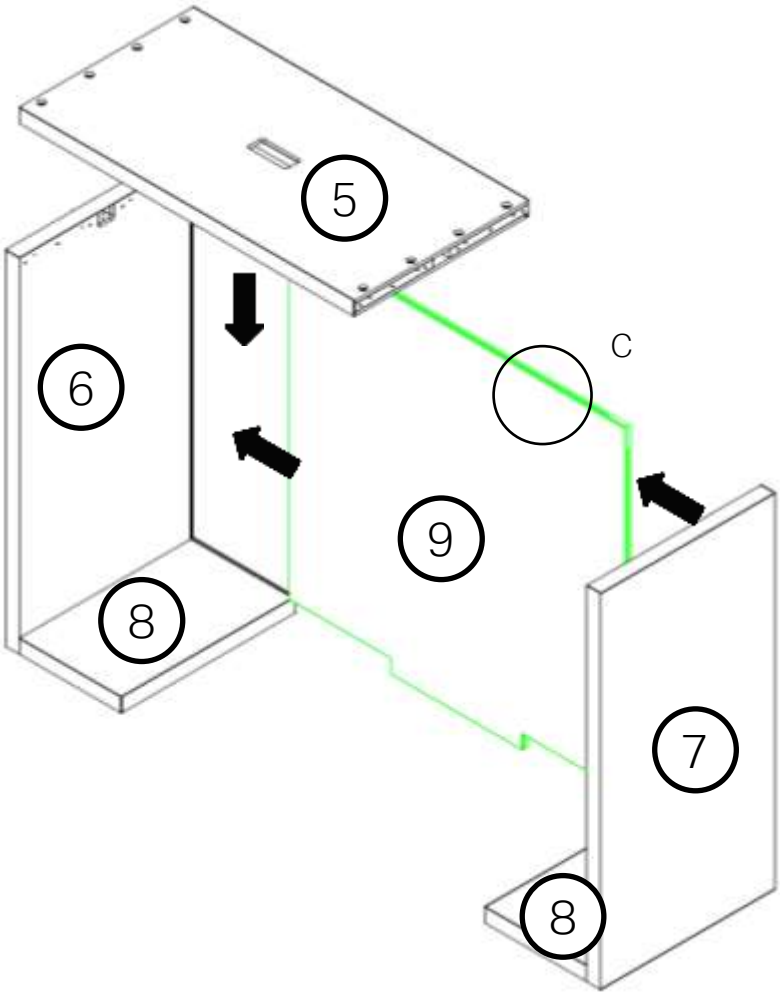
The seat (8) is attached with the left side (6) and the right side (7) via the eccentric connectors as shown in detail B.
The upper shelf (5) can then be attached with the left and right sides in the same way.



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.

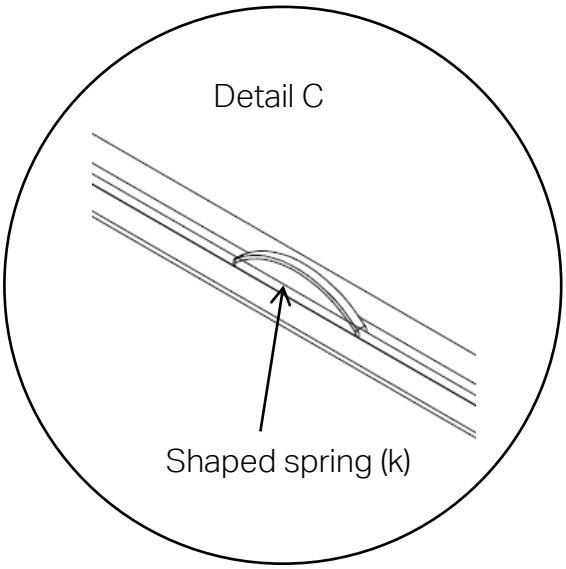
[5.8 Inserting the inside rear wall]

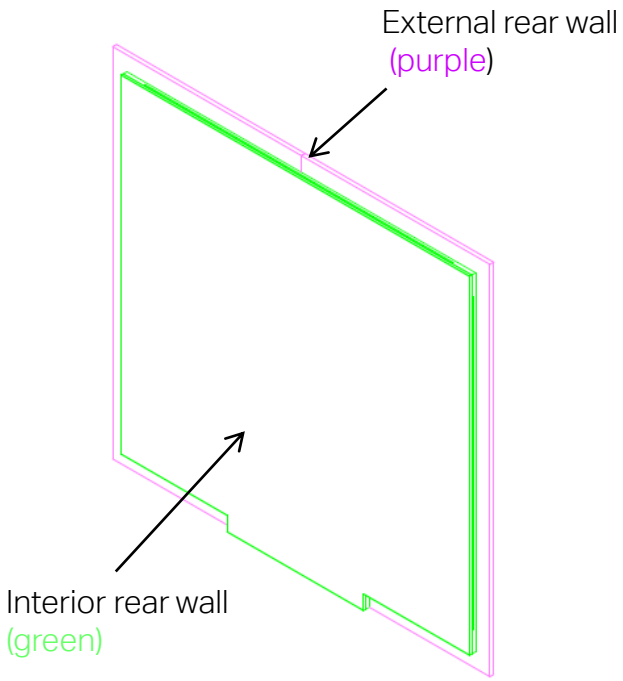


Shaped springs (k) are distributed over the groove of the inner back wall (9) as shown in detail C.

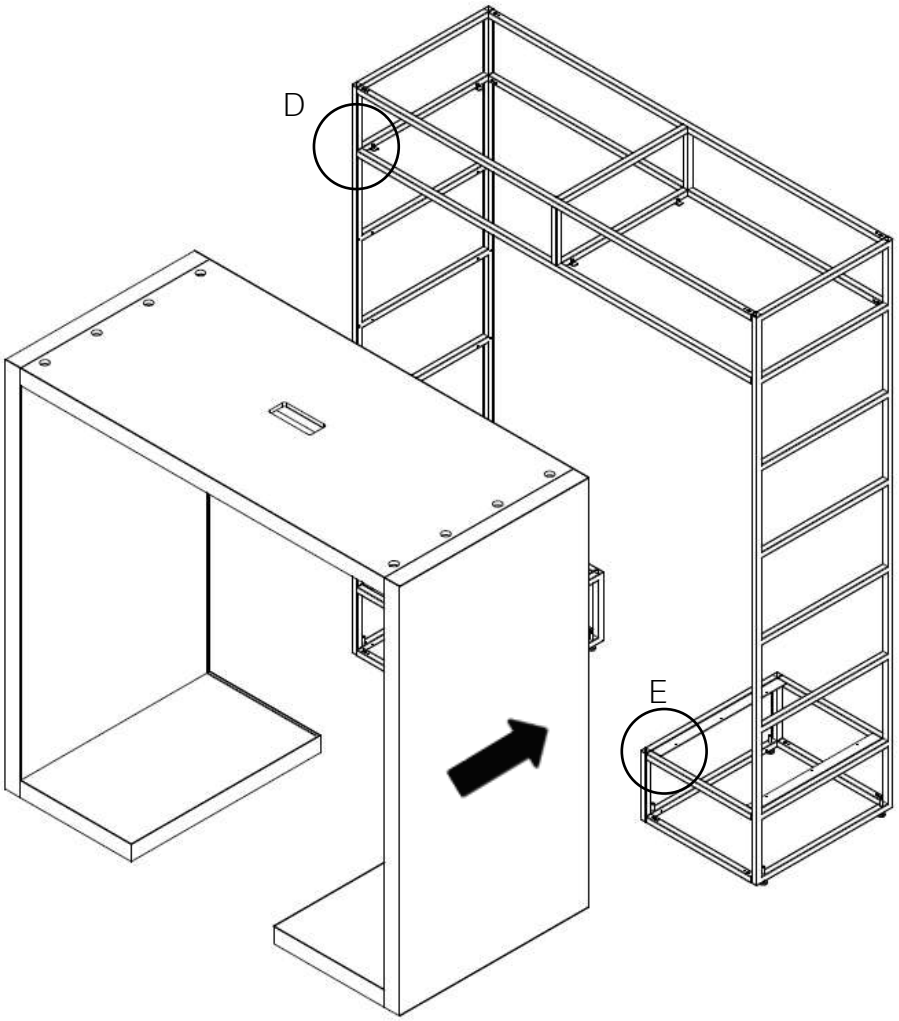
The seat (8) is then secured to the left side panel (6) as described in section 5.7. Now the inside back wall can be inserted into the groove of the seat surface and side wall left via the shaped springs (a).

The top shelf (5) is then fitted and connected to the left-hand side (6).
Finally, the unit consisting of the seat (8) and right-hand side panel (7) is pushed together with the rest of the furniture and secured in the top panel using the eccentric connectors





[5.9 Merging the bench and the module support]

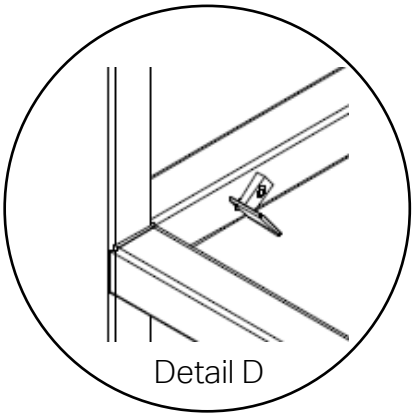


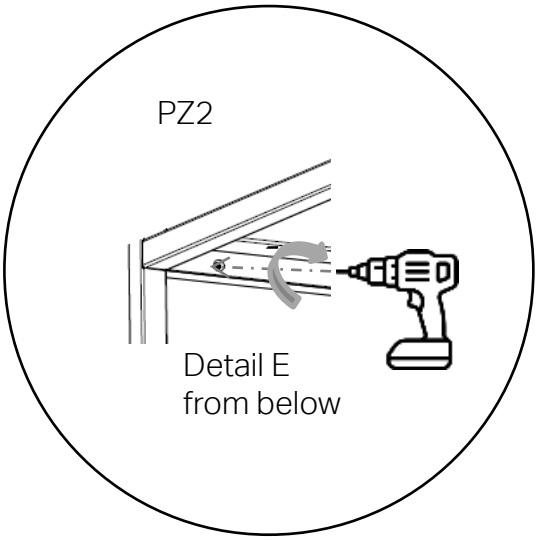
All floor beams are now aligned as shown in detail D.

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.

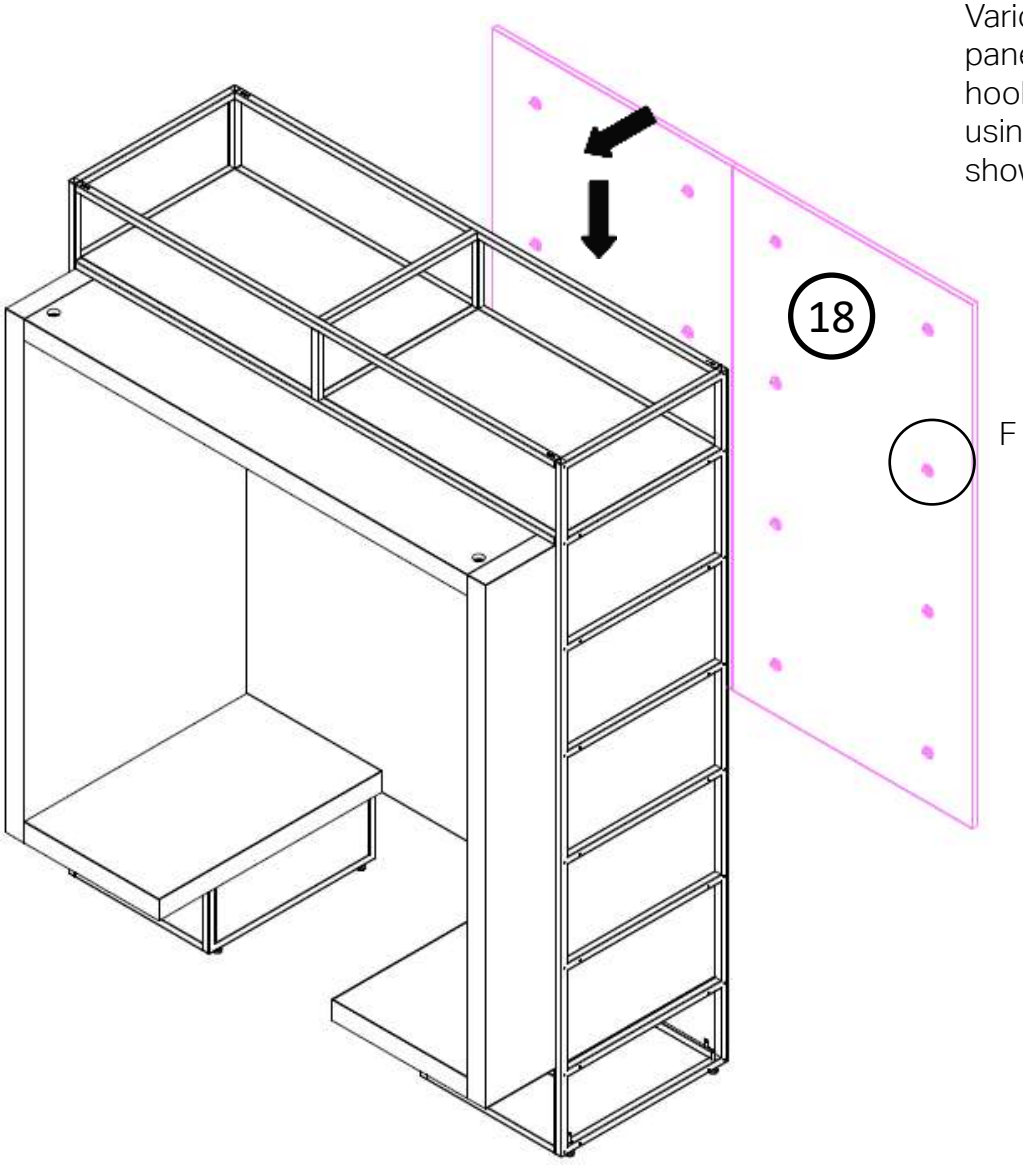

Detail D

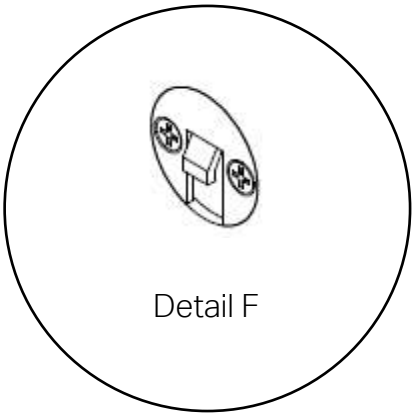


Detail E
from below

[5.10 Insert outer rear wall]

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

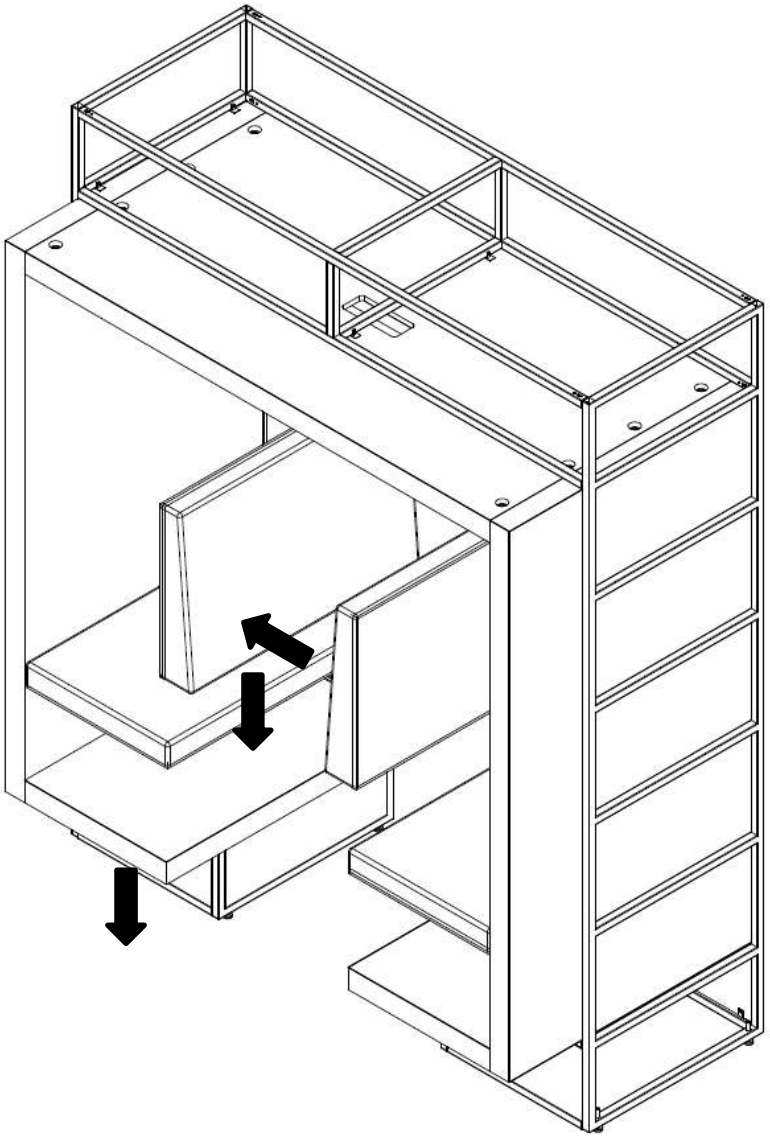




Detail F

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 carcase 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.

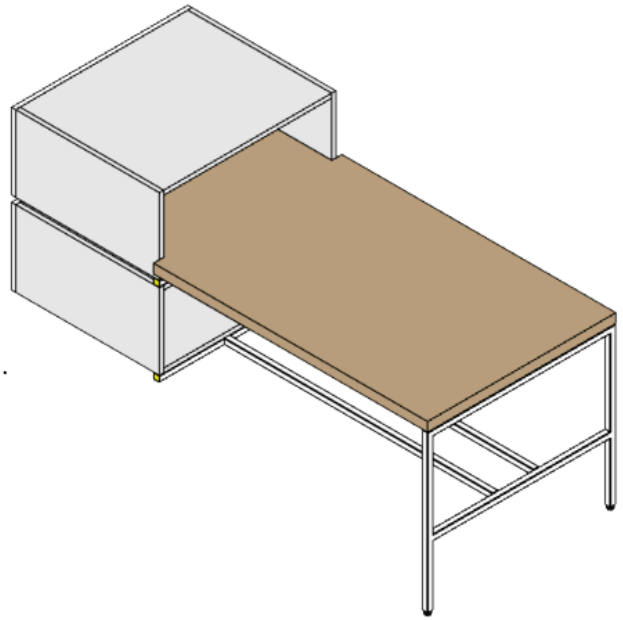
Finally, the back and seat cushions are brought into position and fastened with pre-assembled Velcro.

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

Ready !

[6. Workstation and High Tables - AddOns]

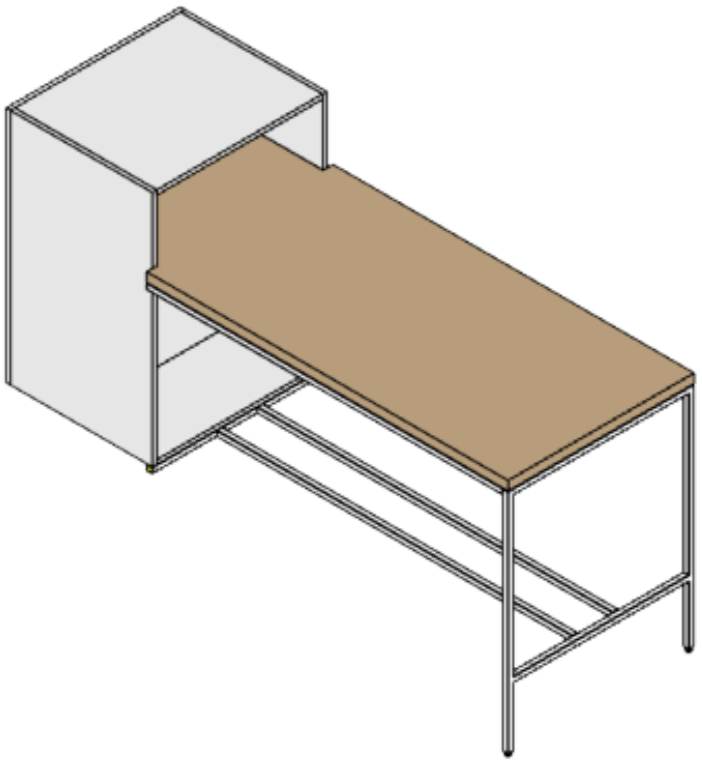
Workstation



System 400 :
Corpus height 1055 mm
Table: H 1060 x L 1200 x W 850

System 650 :
Corpus height 666 mm
Table: H 1060 x L 1200 x W 850
With shelf at the back.

High Table Small / Large



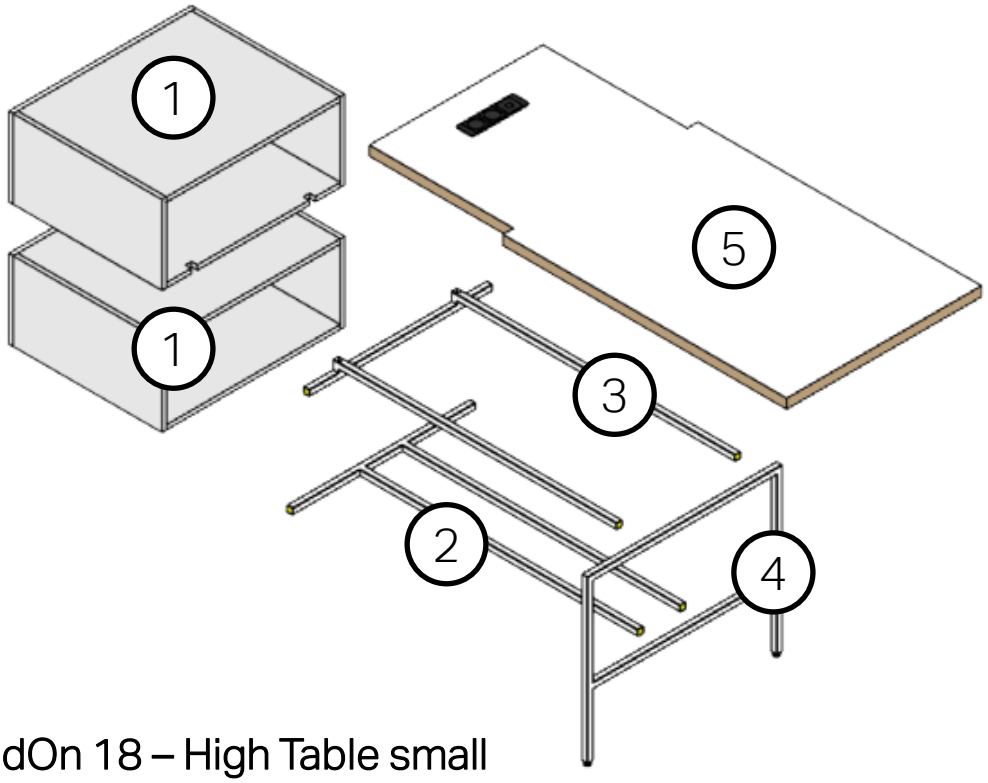
System 400 :
Corpus height 1055 mm
Table: H 1060 x W 850 mm
Small: L 1600 mm
Large: L 2000 mm

System 650 :
Corpus height 1055 mm
Table: H 1060 x W 850 mm
Small: L 1600 mm
Large: L 2000 mm
Each with shelf at the back.

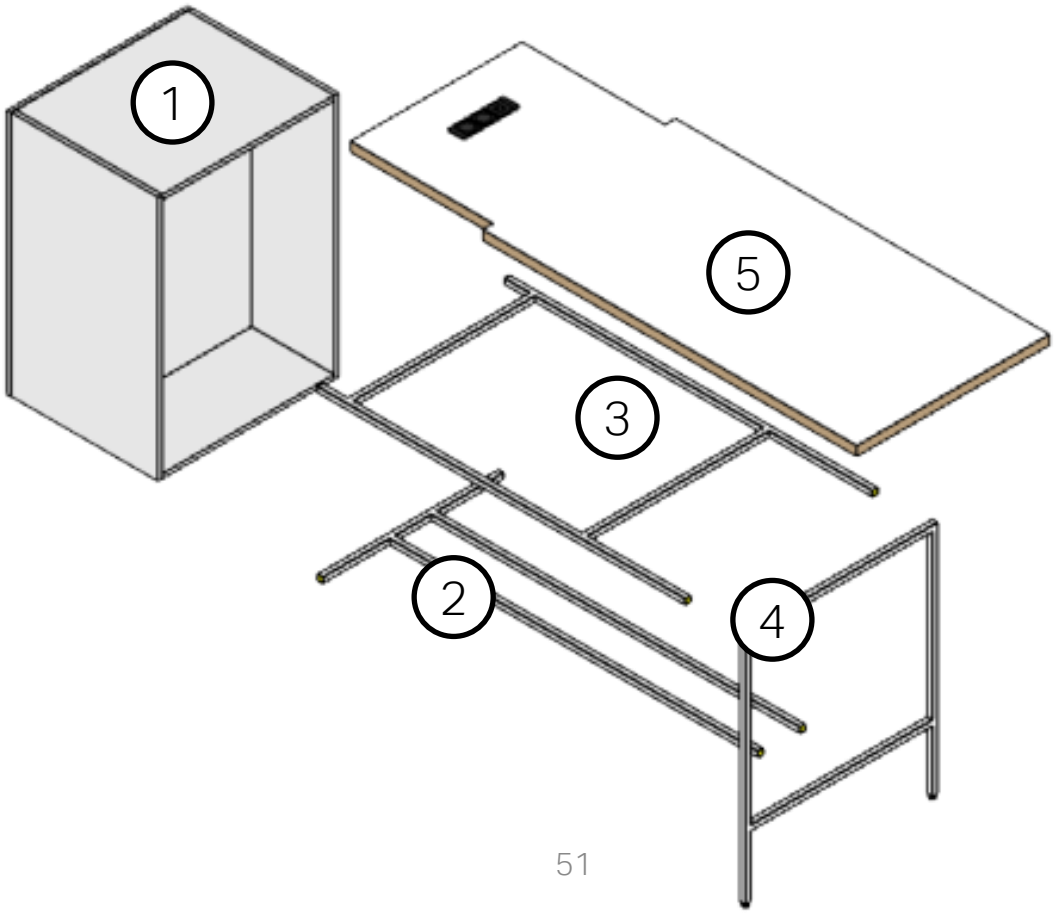
[Abb.: AddOn 17 and 18_System 650]

[6.1 Assembly overview Workstation / High Table]

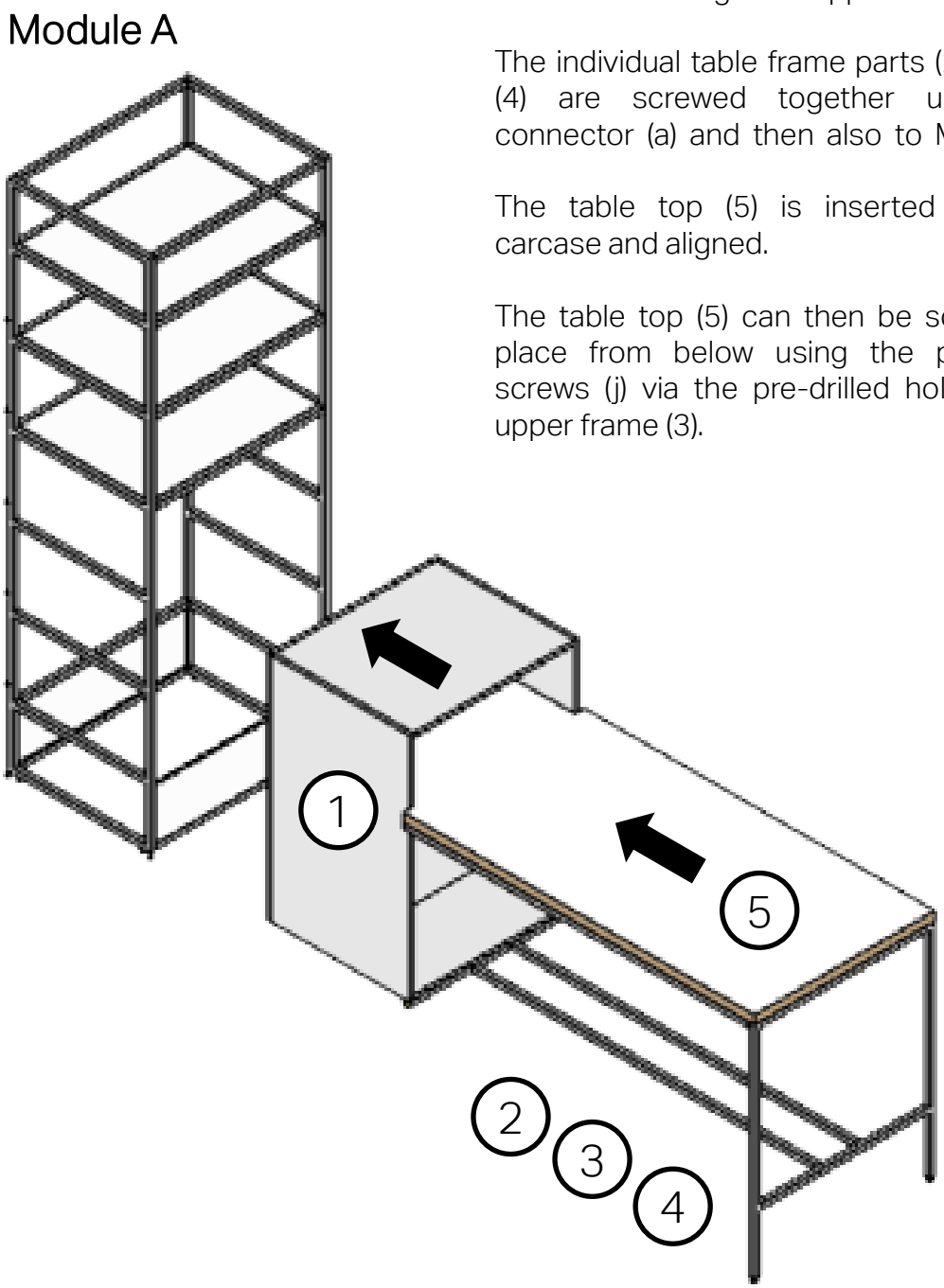
AddOn 17 – Workstation [Ill. System 650]



AddOn 18 – High Table small



[6.2 Attach connection to Module A / Table Top]



The carcase (1) is screwed to Module A from below using the support brackets (c).

The individual table frame parts (2), (3) and (4) are screwed together using the connector (a) and then also to Module A.

The table top (5) is inserted into the carcase and aligned.

The table top (5) can then be screwed in place from below using the pan head screws (j) via the pre-drilled holes in the upper frame (3).

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

Ready !

[6.3 Warnings and parts list table -AddOns]

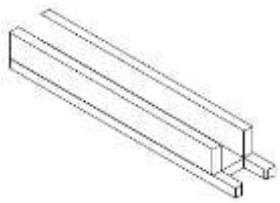
Only professional installation will ensure safe installation and operation. Therefore, installation should only be carried out by trained and qualified personnel. These instructions apply to both System 400 and System 650, unless additional information is given.
Caution - Risk of overturning!
The stability requirements in chapter 11 must be strictly observed.

Workstation and High Table small [System 650]

	Designation	Material	L x W x H (mm)	Stückzahl
1	Base AddOn 17	Wood-bsaed material, coated	609 x 773 x 333	2
1	Base AddOn 18	Wood-bsaed material, coated	609 x 773 x 1053	1
2	Table frame b. 17	Steel	1198 x 771 x 25	1
2	Table frame b. 18	Steel	1598 x 771 x 25	1
3	Table frame t. 17	Steel	2371 x 825 x 25	1
3	Table frame t. 18	Steel	2371 x 825 x 25	1
4	Base frame	Steel	1005 x 825 x 25	1
5	Table top 17	Veneered/HPL	1200 x 825 x 41	1
5	Table top 18	Veneered/HPL	1600 x 825 x 41	1

[6.4 Tools and parts list of assembly fittings]

Required are :



Assembly aid
250 x 44 x 34

TX10
TX25
PZ2

AddOn 18 [System 650]

	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	Stud 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

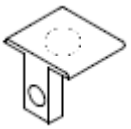
[6.4 Overview of assembly fittings]

Included are :

[pre-assembled]

18 x a

18 x b



4 x c

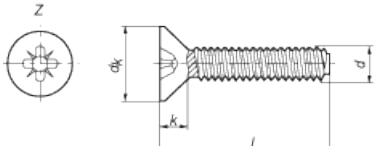
[pre-assembled]

6 x d

2 x e

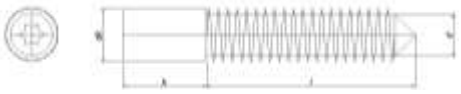
[pre-assembled]

8 x f



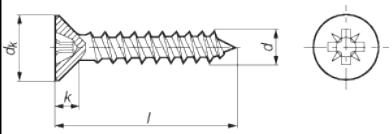
M5x10

8 x g



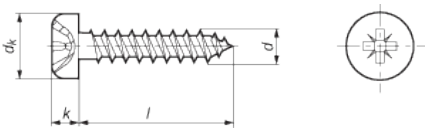
M4x18

8 x h



4x16

6 x i



4x16

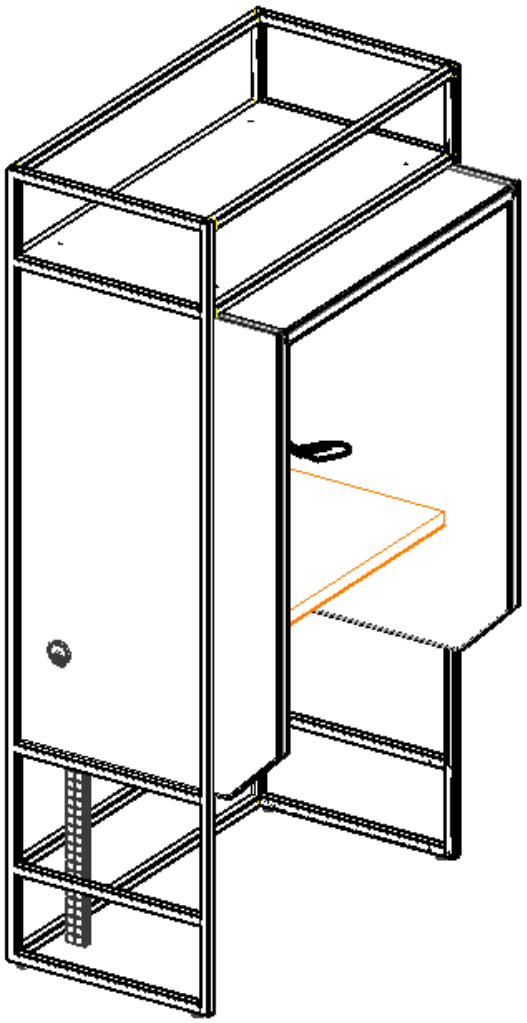
18 x j

Here we go ...

Structure of Module K

[Fig.: Module K_System 650]

Module K



System 650 :
[D 861 mm x W 1225 mm x H 2360 mm]

[7.2 Warnings and parts list of Module K]

Only professional installation will ensure safe installation and operation. Therefore, installation should only be carried out by trained and qualified personnel.

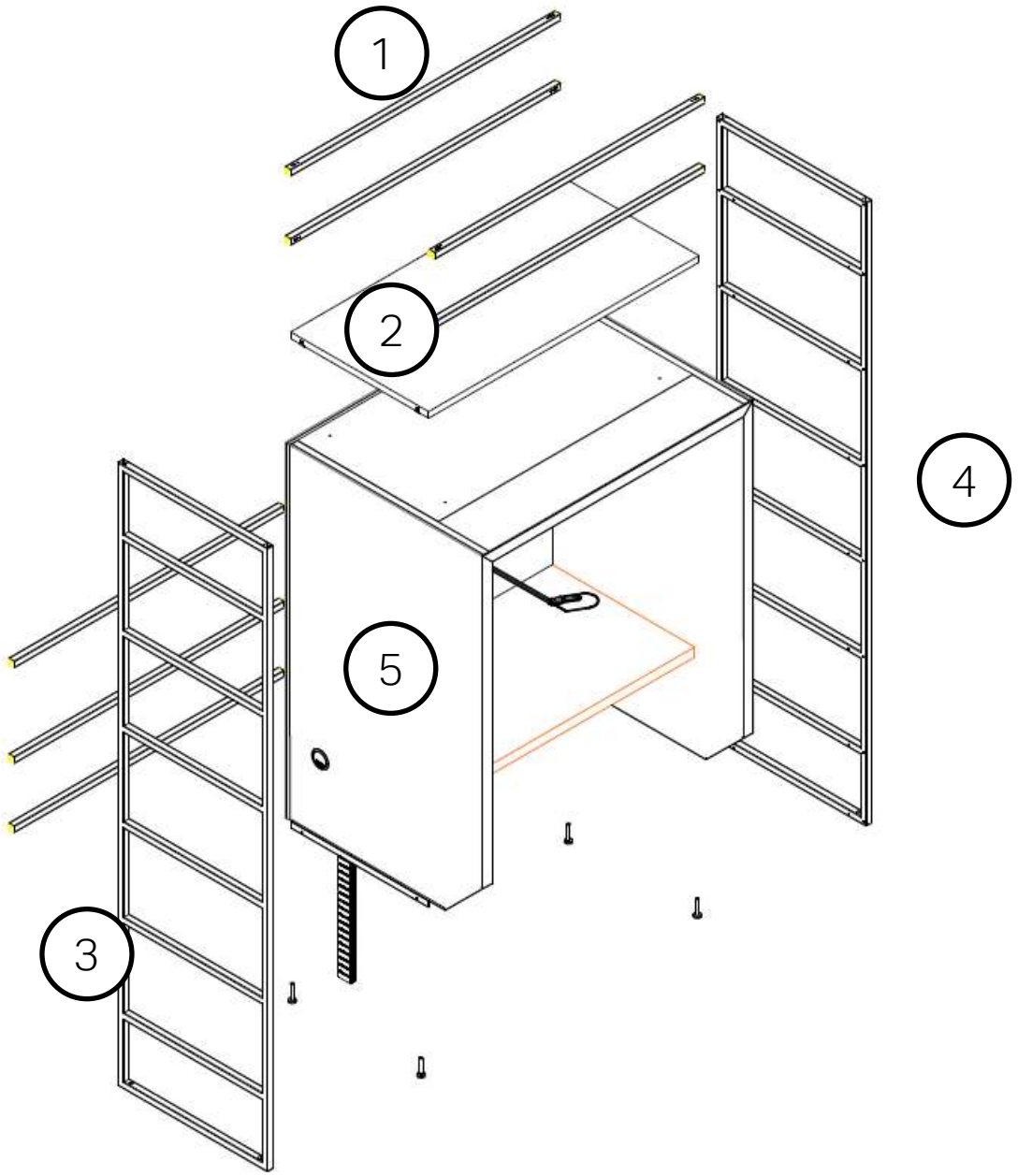
These instructions apply to both System 400 and System 650, unless additional information is given.
Caution - Risk of overturning!
The stability requirements in chapter 11 must be strictly observed.

Module K [650 - System]

	Designation	Material	L x W x H (mm)	Number of pieces
1	Cross brace (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	Carcase K	Wooden material, upholstered on both sides	1176 x 860 x 1414	1

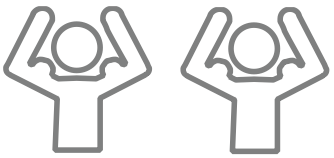
Module K - Quiet Workstation Module

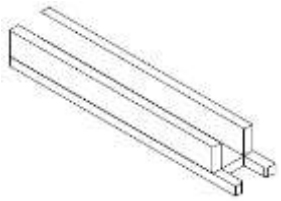
[Fig. System 650]



[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

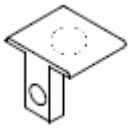
[7.5 Overview of mounting fittings]

Included are :

[pre-assembled]

14 x a

14 x b

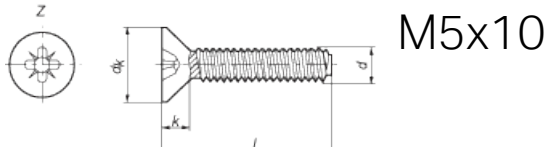


4 x c

[pre-assembled]

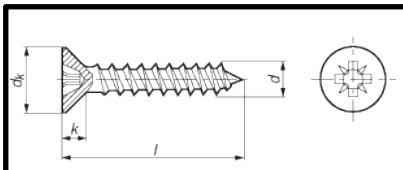
4 x d

2 x e



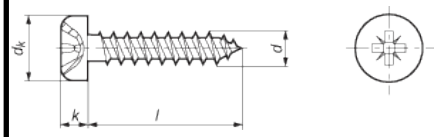
M5x10

8 x f



4x16

6 x g

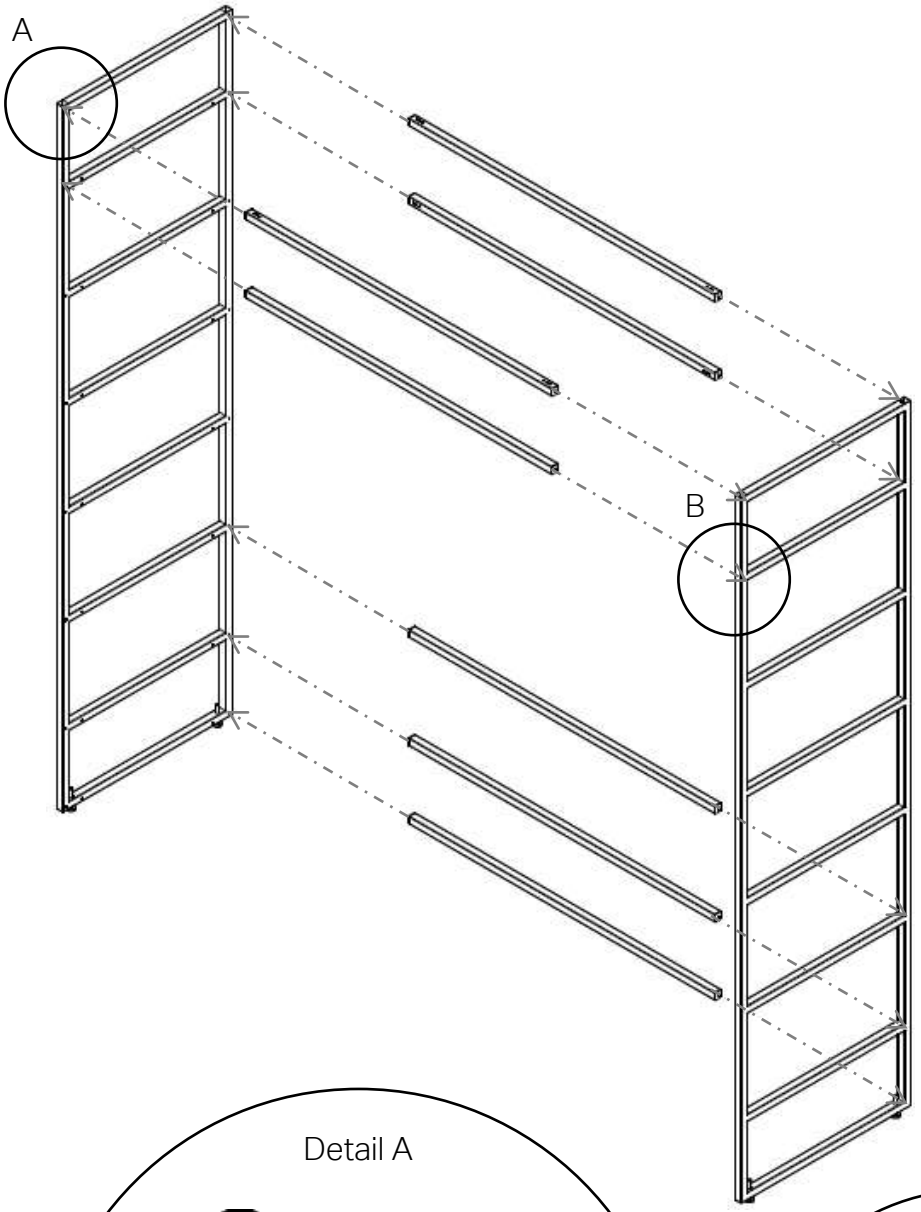


4x16

4 x h

Here we go ...

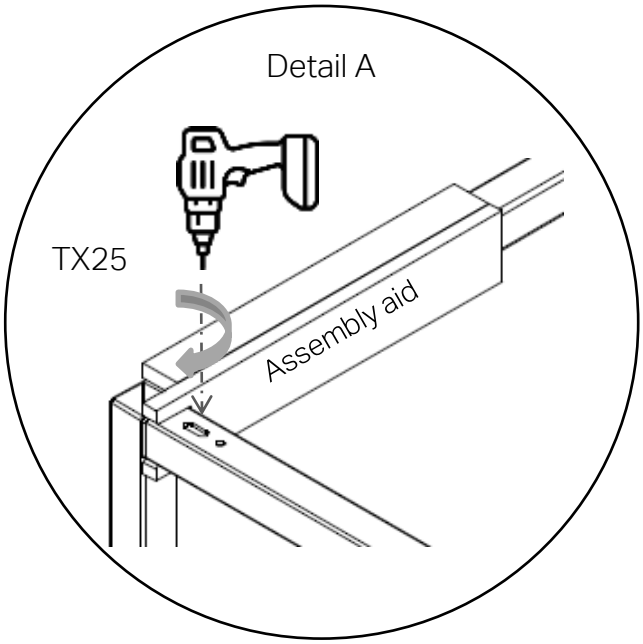
[7.6 Structure of the basic construction of Module K]

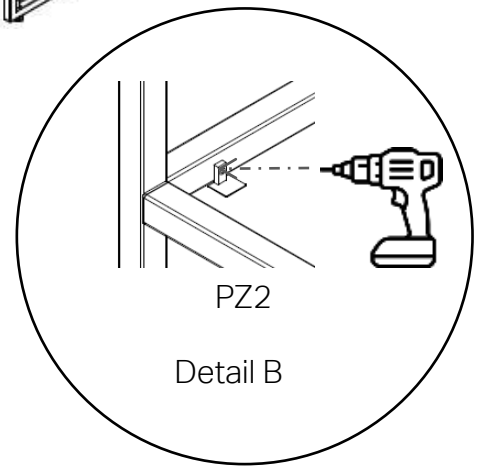


The spacer plates (b) are attached to the cross braces (1) via the system connectors (a) pre-mounted in the cross braces.
tucked in.

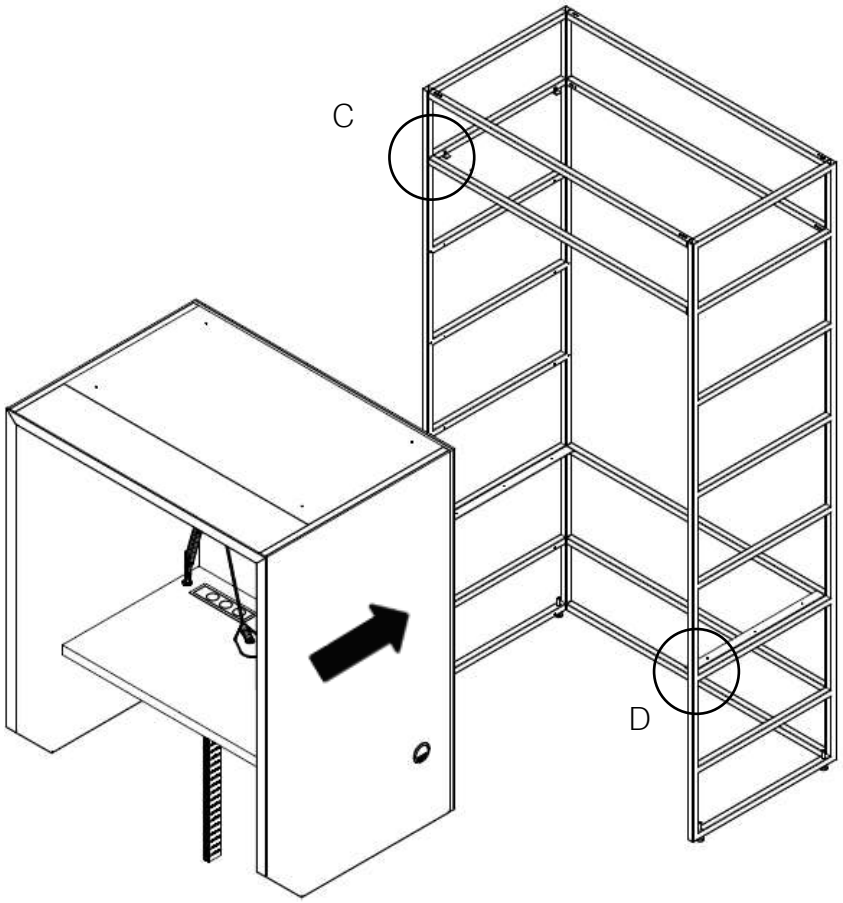
Then the cross braces (incl. system connectors) can be positioned with the assembly aid and screwed to the ladders as shown in detail A.

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).





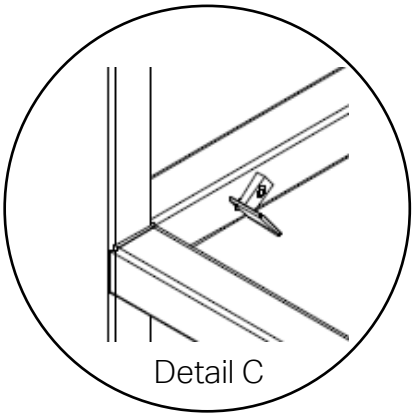
[7.7 Merging the basic construction and corpus K]

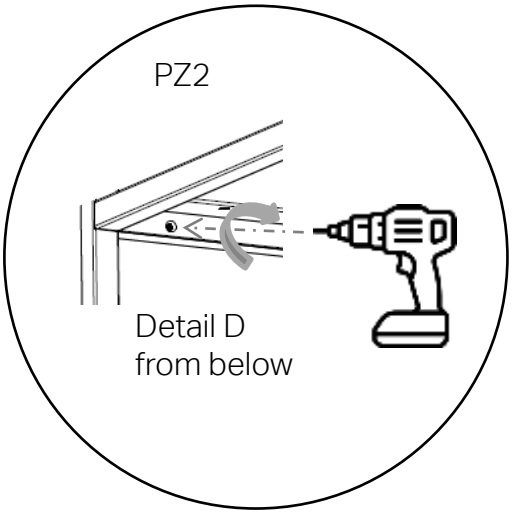


All shelf supports can now be aligned as shown in detail C.

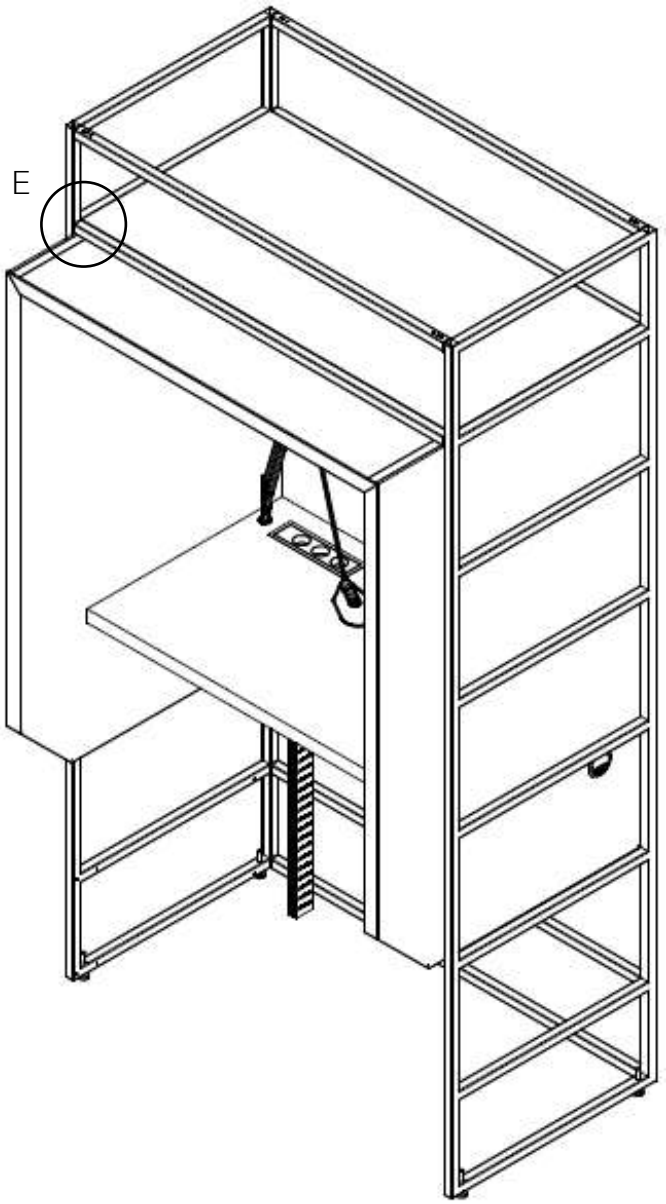
Both support brackets are fixed as shown in detail D. Described in detail in Chapter 3 - Carcases (p.24).

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





[7.8 Adjust and fix]

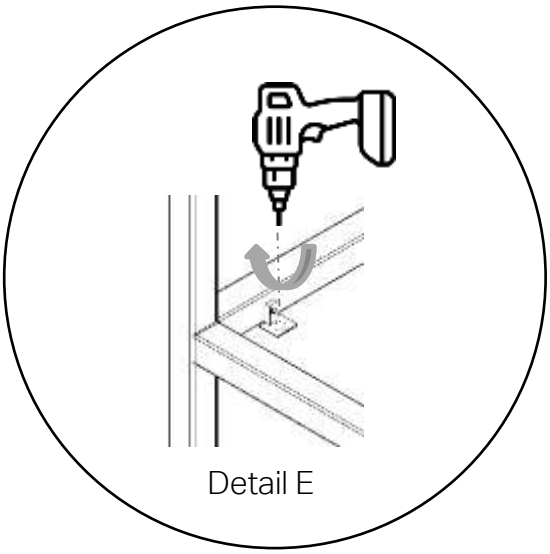


The carcase K (5) is brought into position, the rear wall and the top shelf should be flush with the rear edge of the shelf.

Then fix the carcase K over the two support brackets from below with the countersunk screw (g) to the prefabricated holes.
The carcase K can then be fixed from above over the floor supports perforated (c) as shown in detail E with the pan head screw (h).

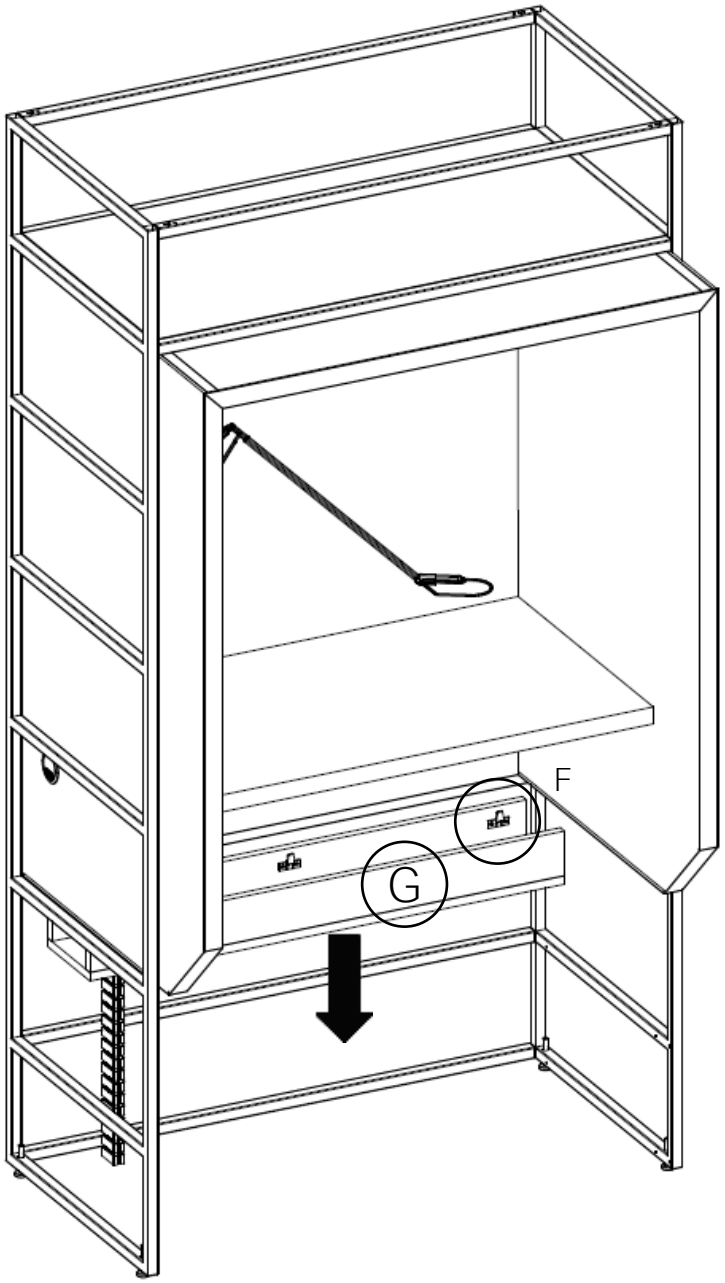
Described in detail in Chapter 3 - Corpuses (p.26).

Finally, the shelves (2) can be inserted.



Detail E

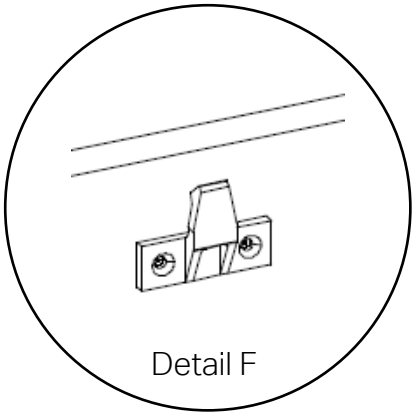
[7.9 Cable routing]



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].

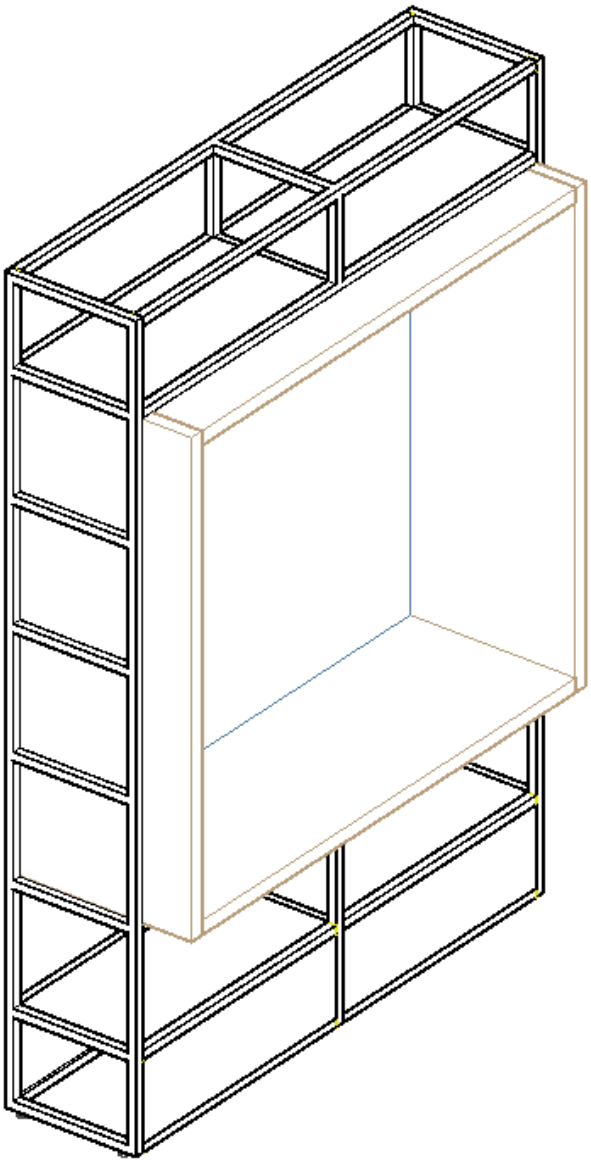
Ready !

Structure of the J & EJS modules

[Fig.: Module EJS_System 650].

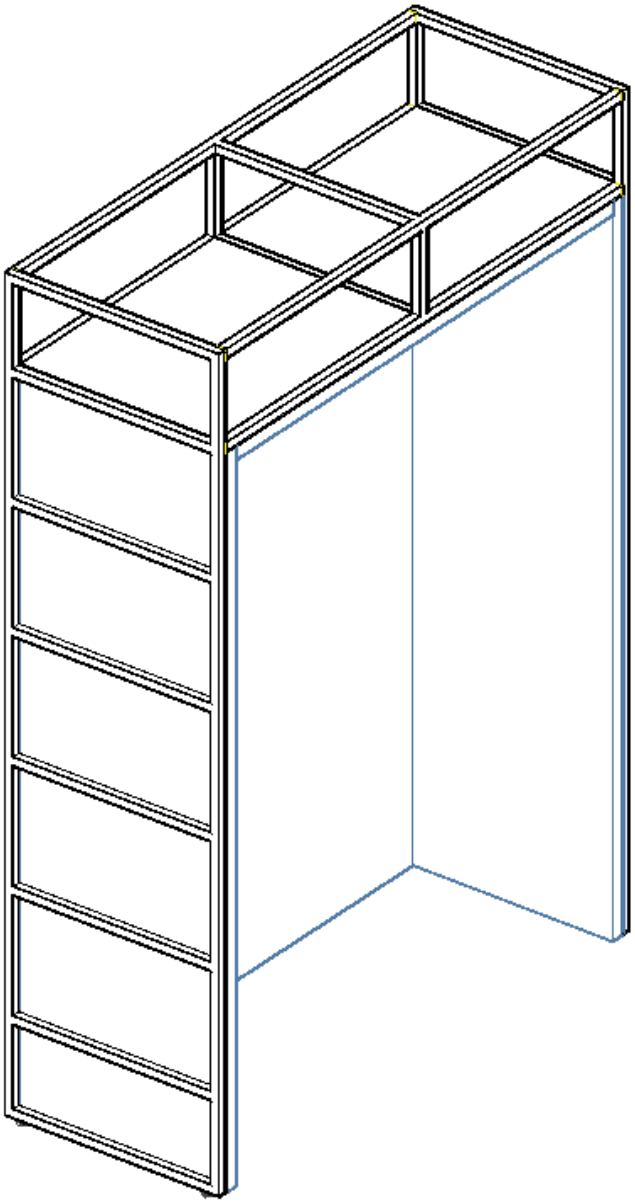
[8.1 Overview of Printer stations]

Module J



System 400 und 650 :
[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

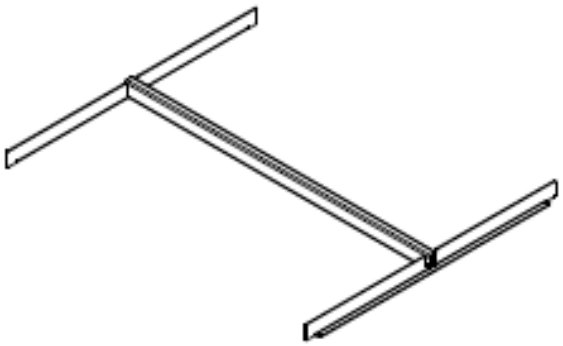
EJS module



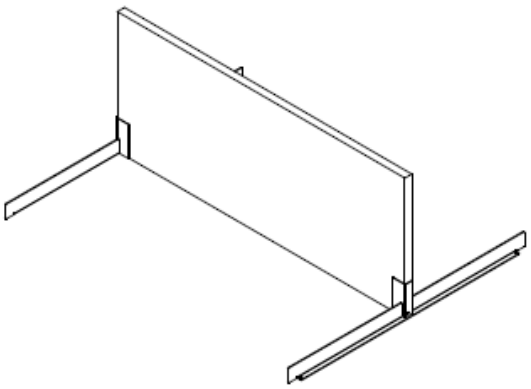
System 650 :
[D 650 mm x W 1625 mm x H 2360 mm]

[9. Add_Ons]

Devider small

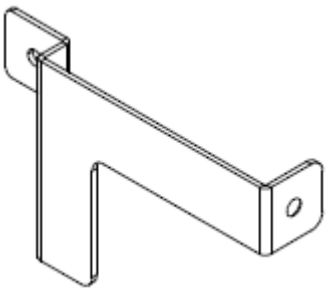


Divider

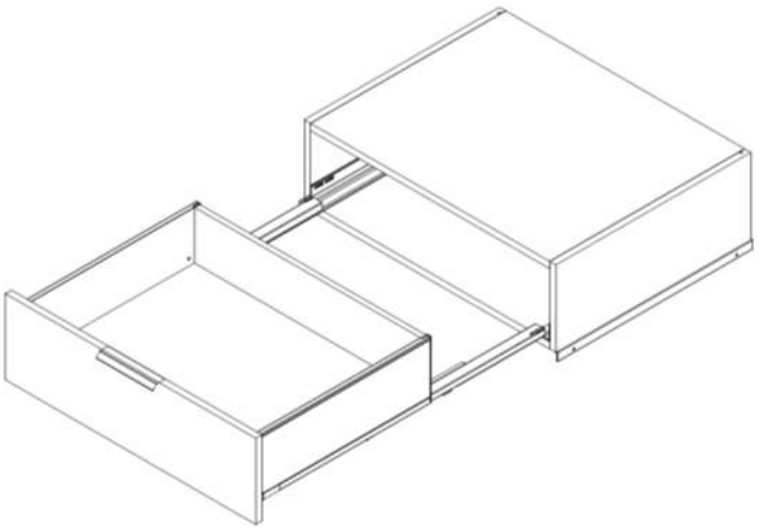


[The add-ons listed here can only be found in System 650].

Additional holder

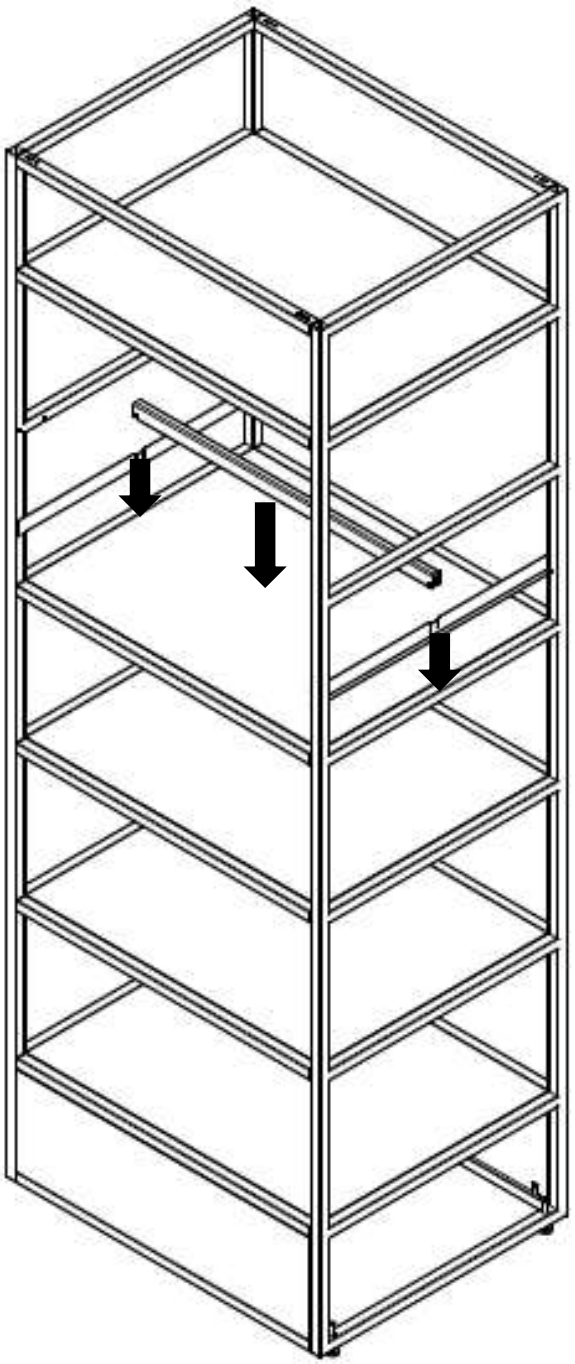


Base drawer



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

[9.1 Devider small]

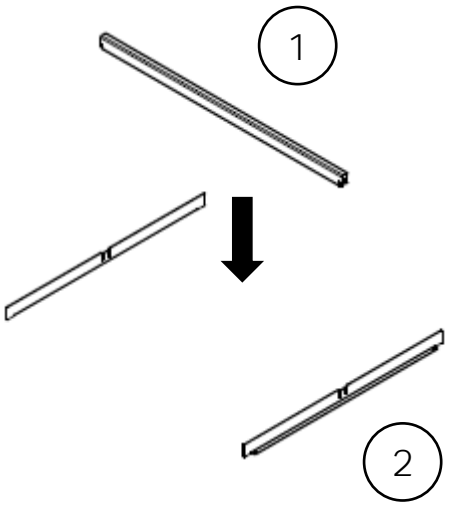


Firstly, the retaining bracket (2) is positioned between the vertical ladder struts on the shelf..

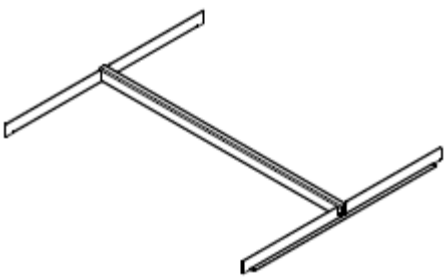
The divider (1) can then be inserted into the prefabricated recess.

The construction is self-retaining.

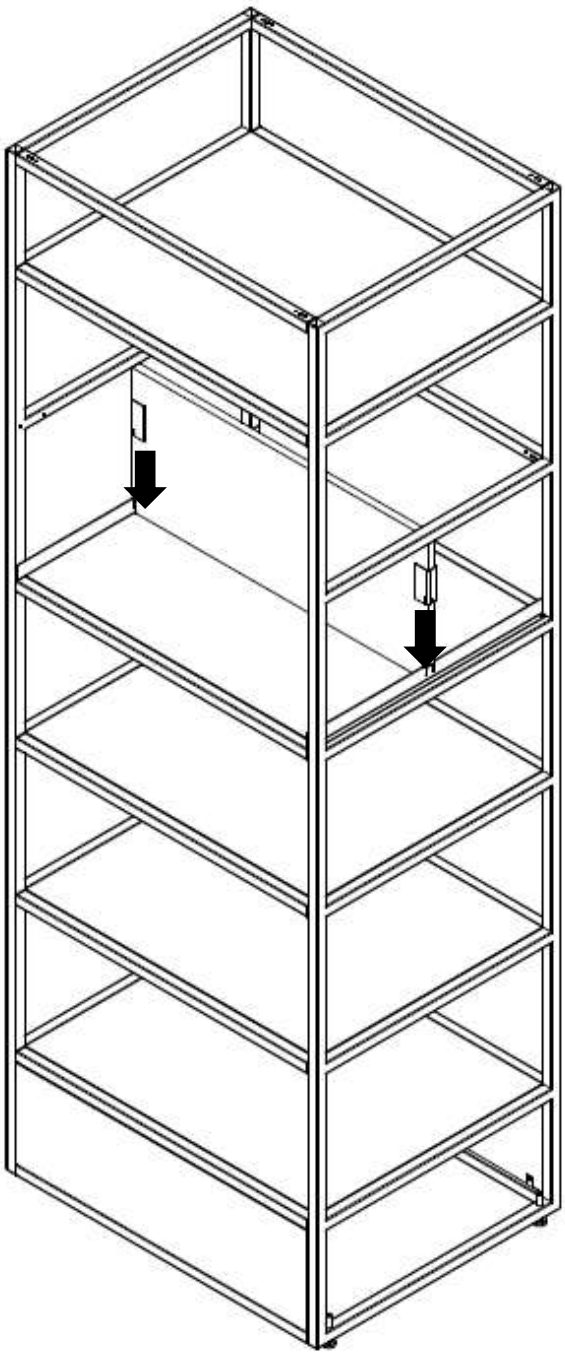
Individual parts :



Assembled :



[9.2 Divider with back wall]

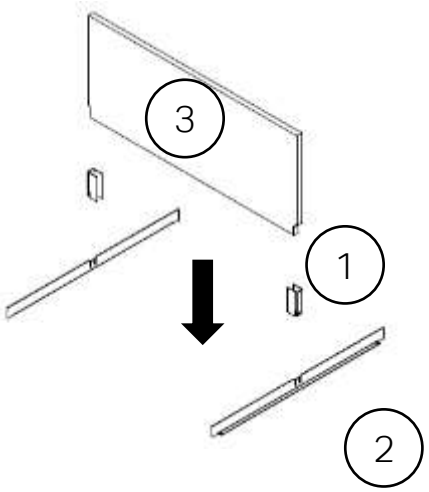


Firstly, the retaining bracket (2) is positioned on the shelf between the vertical struts of the ladders.

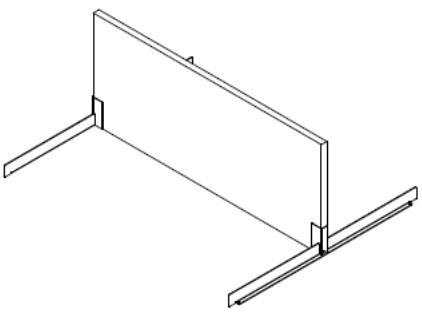
The back panel (3) can then be positioned with the back panel holders (1) pushed upwards over the recesses in the retaining brackets (2).

Finally, the back panel holder (1) including the back panel (3) is pushed into the prefabricated recess in the retaining brackets.

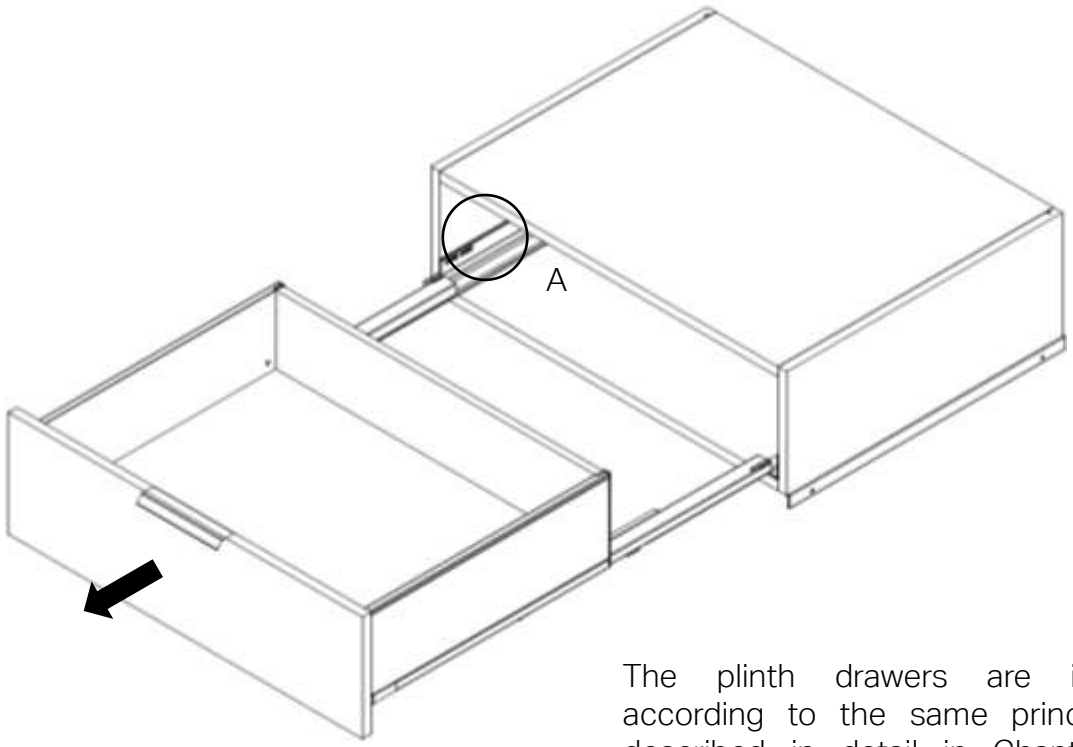
Individual parts :



Assembled :



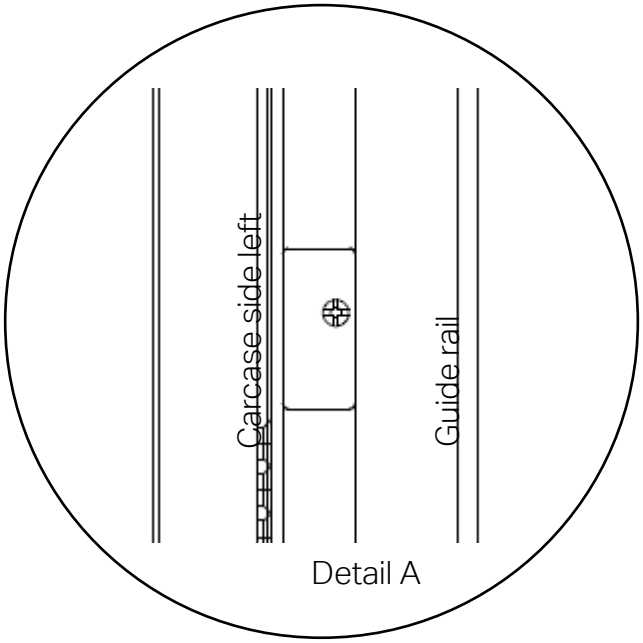
[9.3 Pedestal drawer]



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.

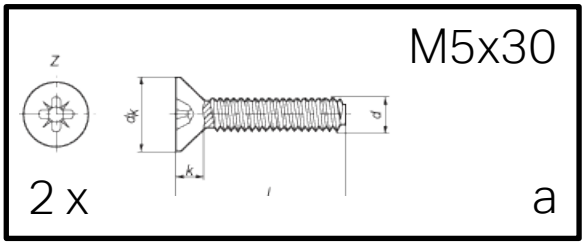
Detail A shows the exact position of the screw (a) from above.

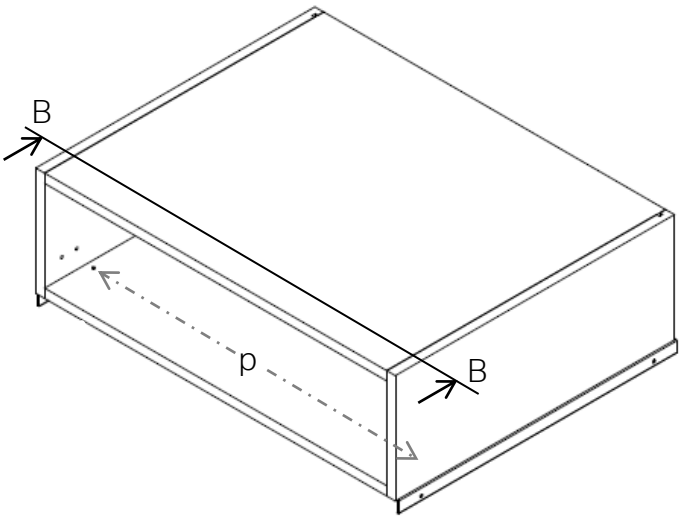


[9.3 Pedestal drawer]

Required are :

PZ2



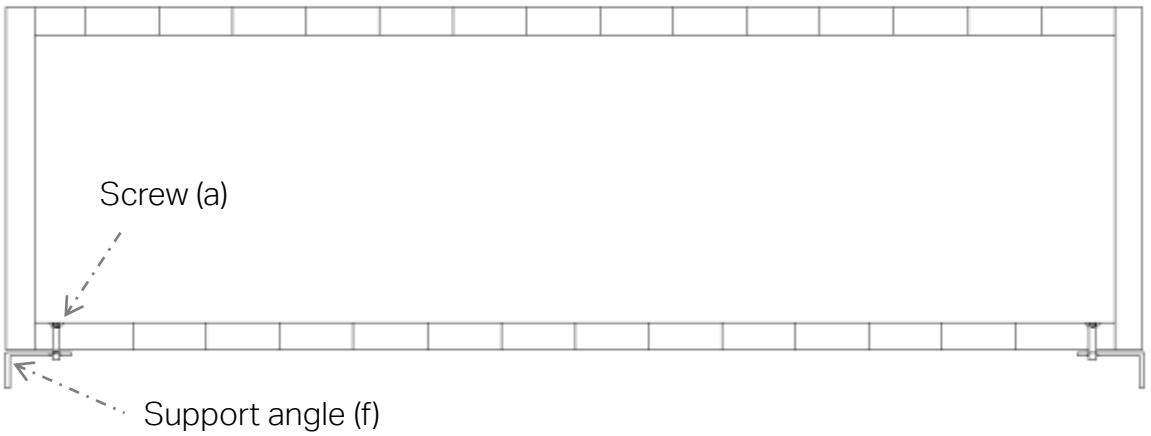


The carcase of the plinth drawer is positioned in the plinth area with the drawer removed and then screwed from above at the two pre-drilled points in the carcase using the self-tapping screw (a) with the support bracket (f) at the points (p).

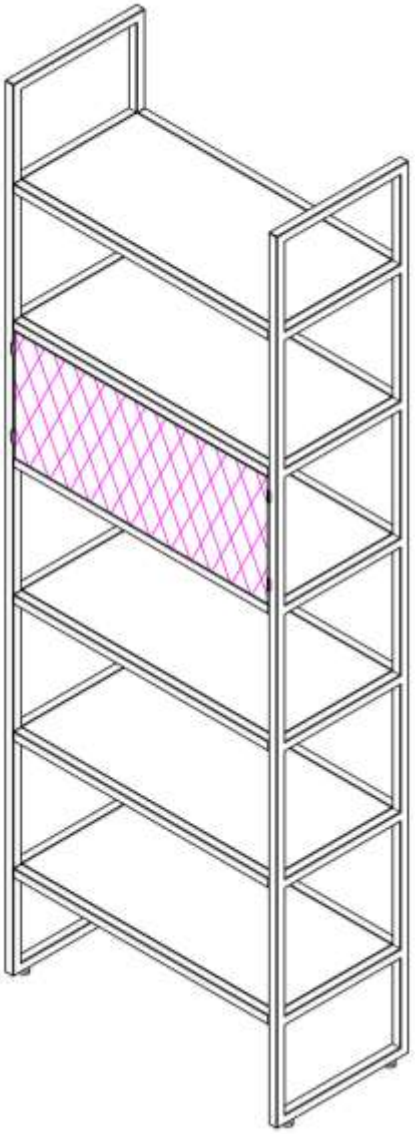
The self-tapping screw (a) is an M5x30.

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

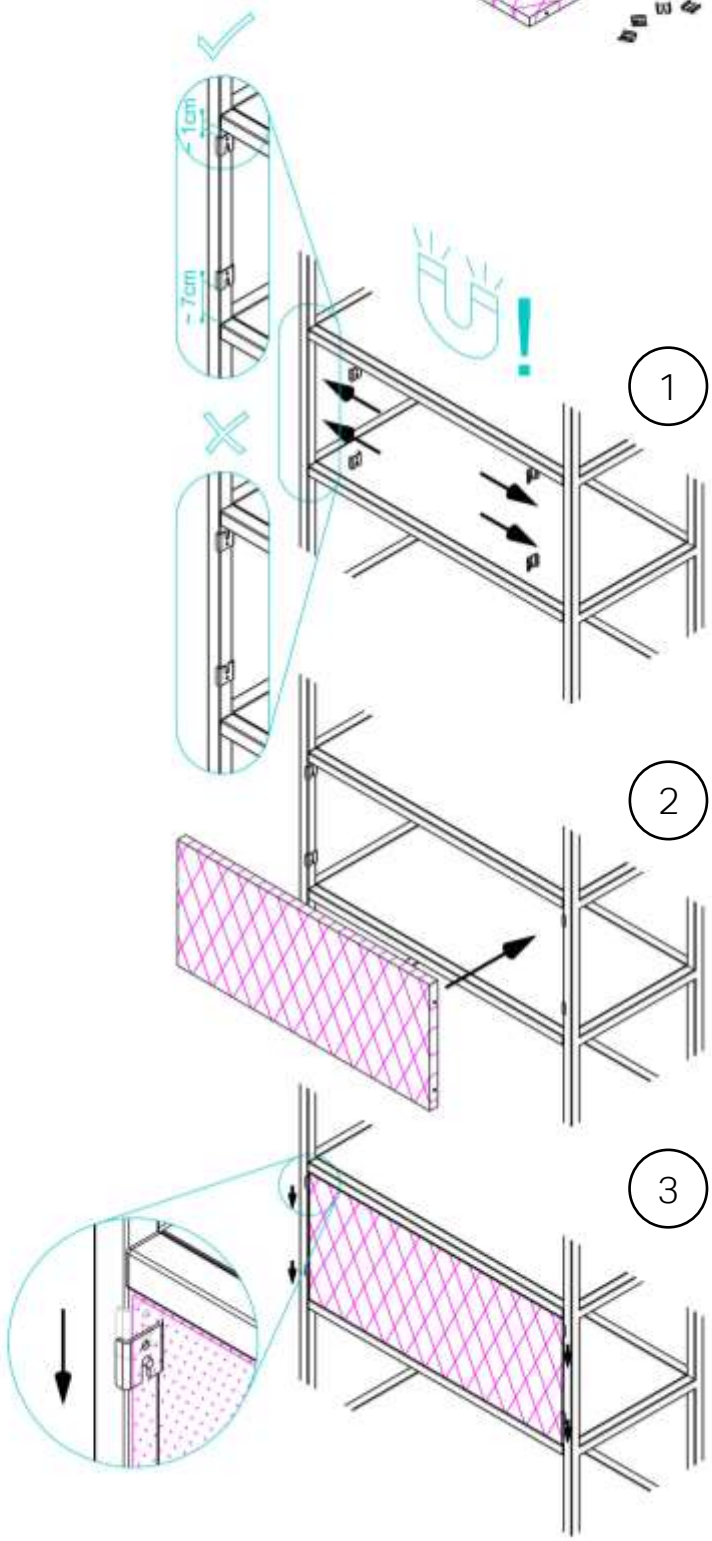
Cut B-B:



[9.4 Acoustic- and Whiteboard panels (APG/WPG)]



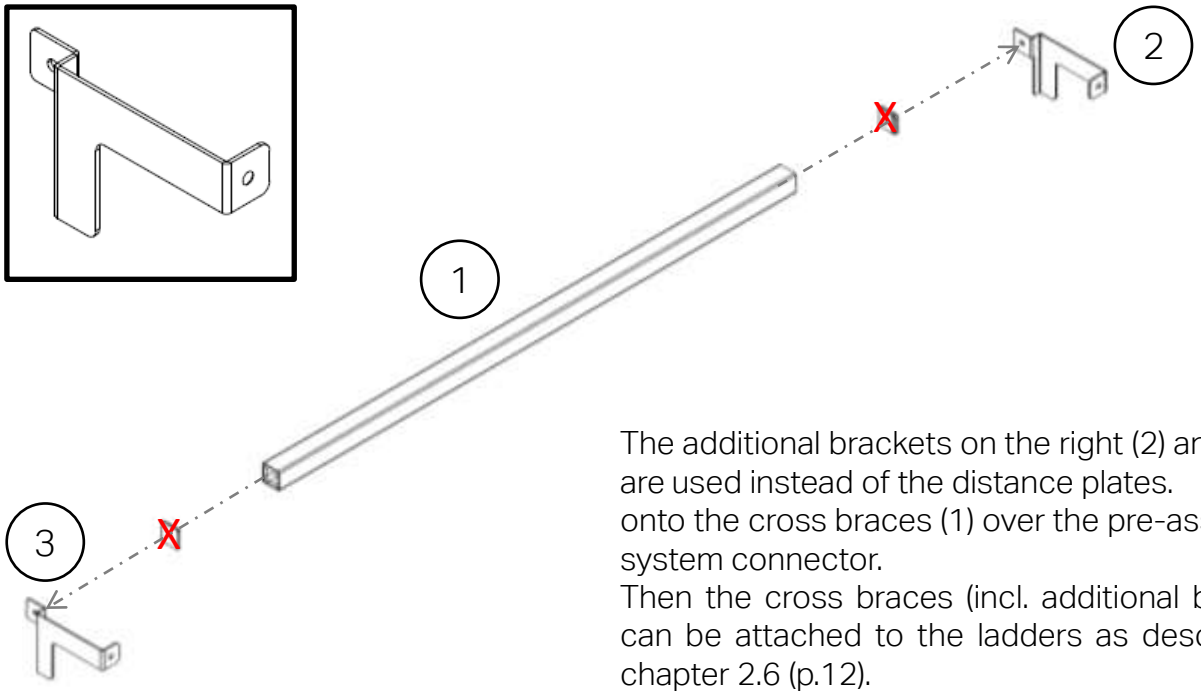
Individual parts :



Firstly, 4 magnetic retaining plates are placed on the conductor with the slot facing downwards (1).

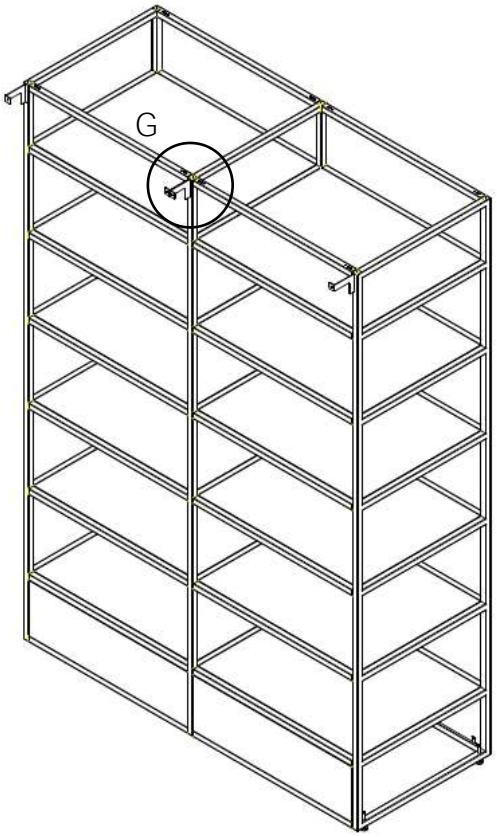
After inserting the cover (2), the retaining plates are pushed over the stud screws on the sides of the panels as far as they will go.(3).

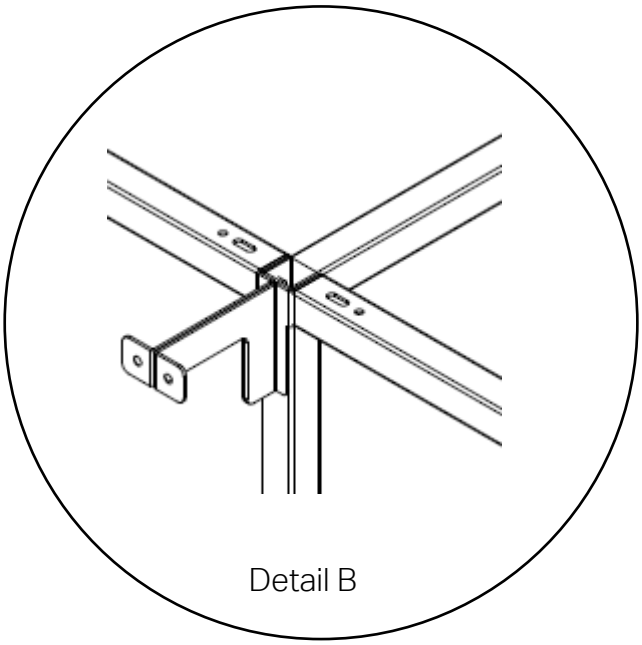
[9.5 Additional bracket]



The additional brackets on the right (2) and left (3) are used instead of the distance plates.
onto the cross braces (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.

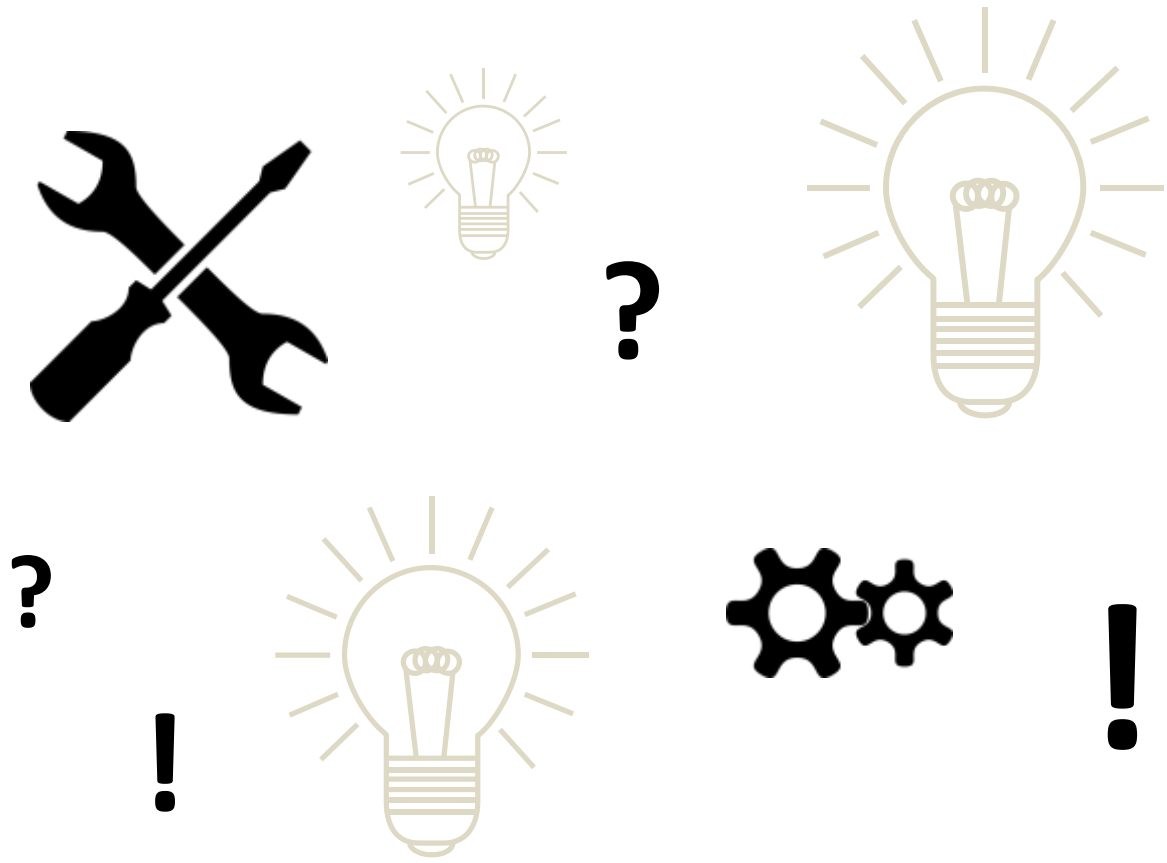




Detail B

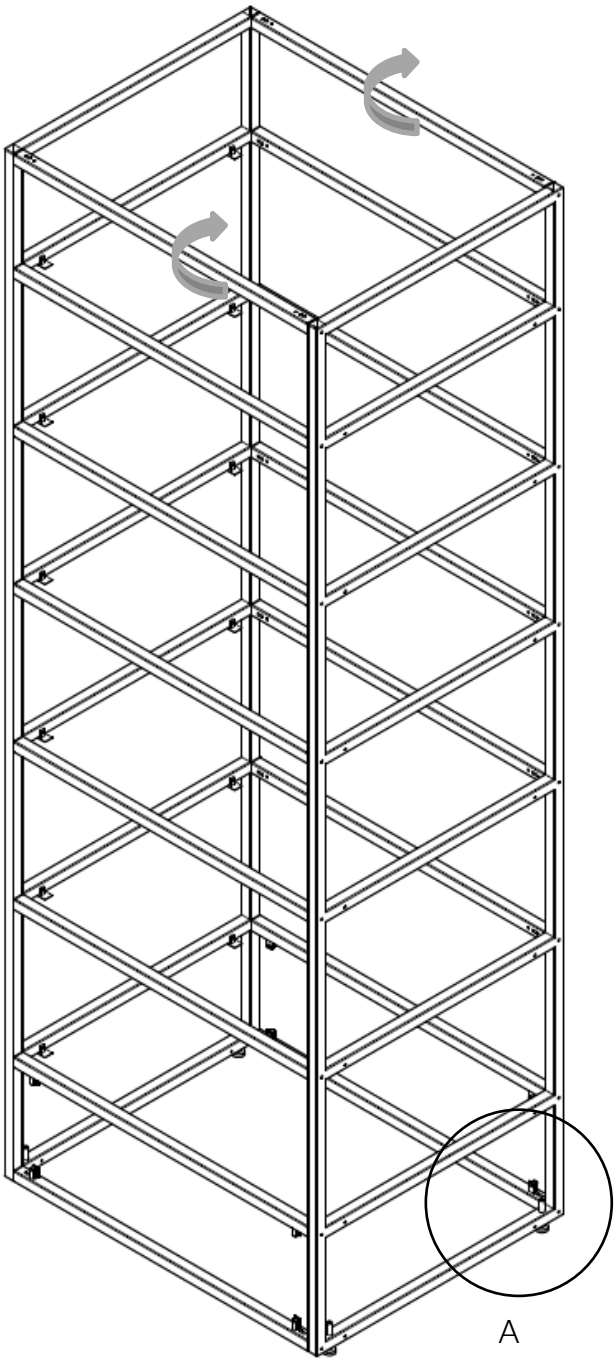
Detail B shows exactly in which position the additional brackets must be installed when joining two modules.

[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]



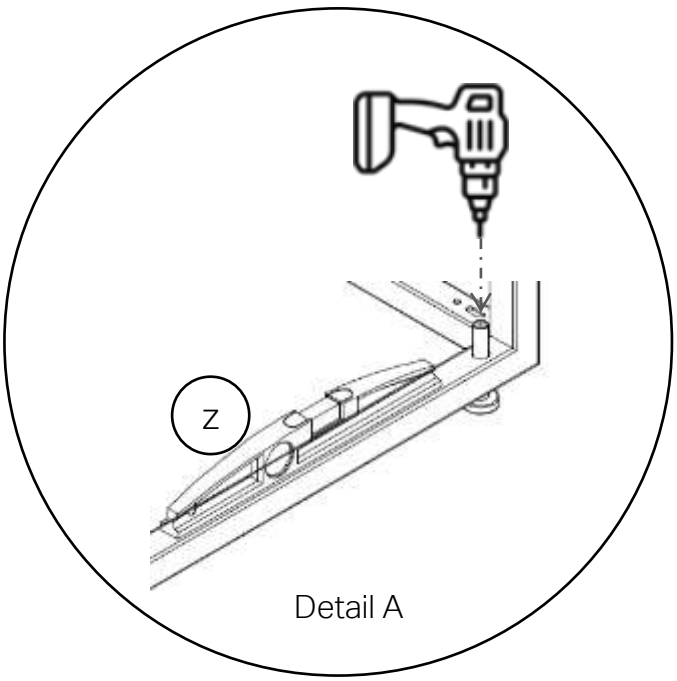
Cross braces :

The screw holes of the uppermost cross braces point upwards.

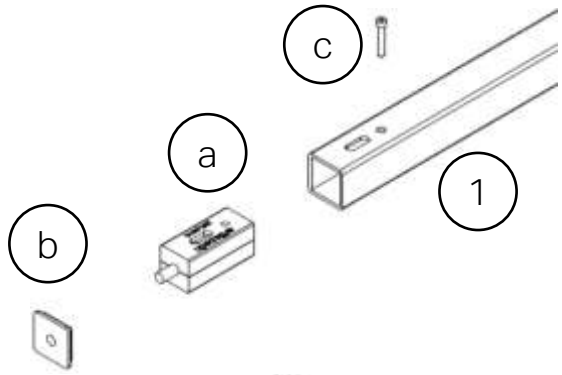
The screw openings of the cross braces with the shelves face inwards. This way they remain invisible.

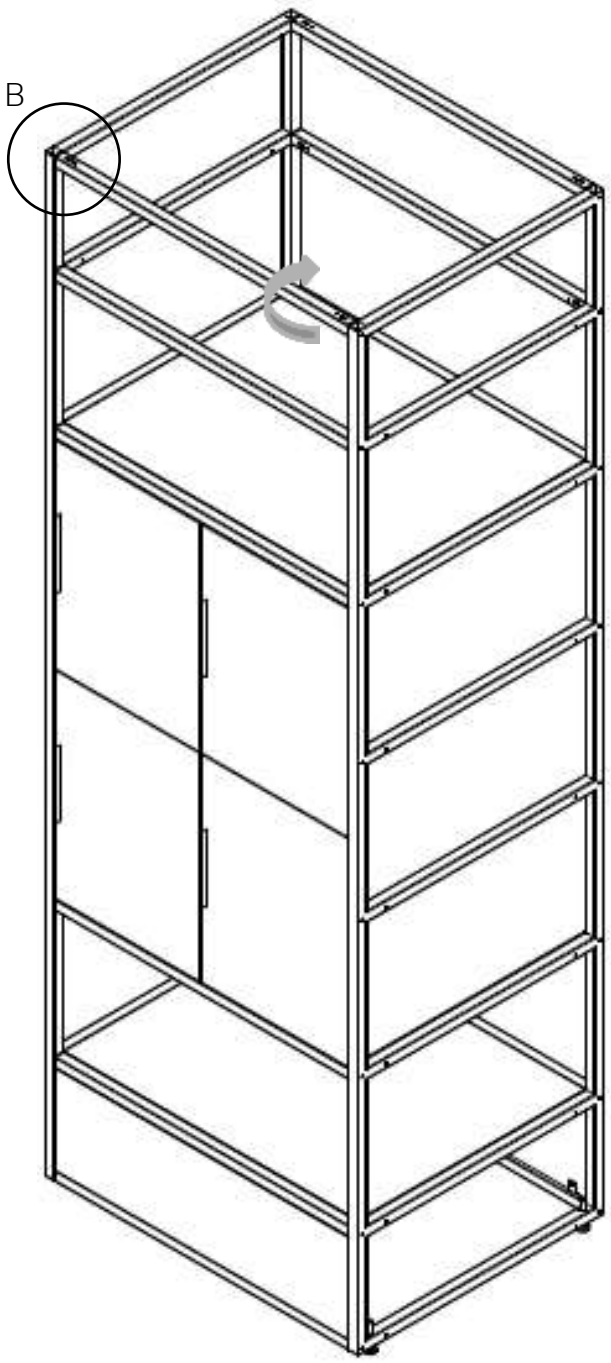
After screwing, the cross braces can be turned effortlessly by hand into the desired position.

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



[10.2 Change connector]

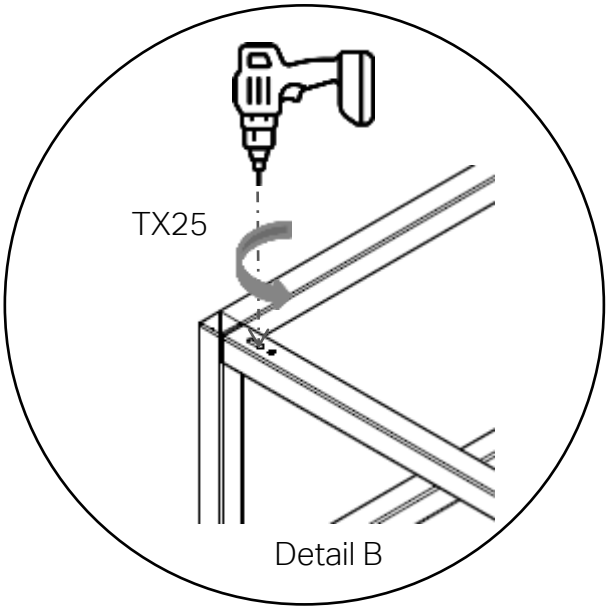




Change connector:

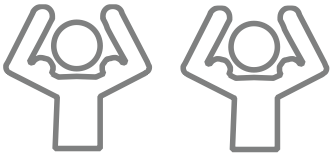
To change the system connector (a) in the cross brace (1), first remove the distance plate (b).
The stud screw (c) can then be unscrewed and the system connector removed.
The installation is done in reverse order.
Make sure that the stud screw is countersunk flush in the cross brace.

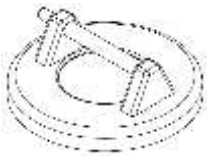
If the gear of the system connector (a) cannot be moved, the opposite system connector (a) in the cross brace (1) should be loosened first as shown in detail H.
Then the cross brace can be turned out by hand in a **clockwise direction of the blocked system connector.**



[10.3 Disassembly]

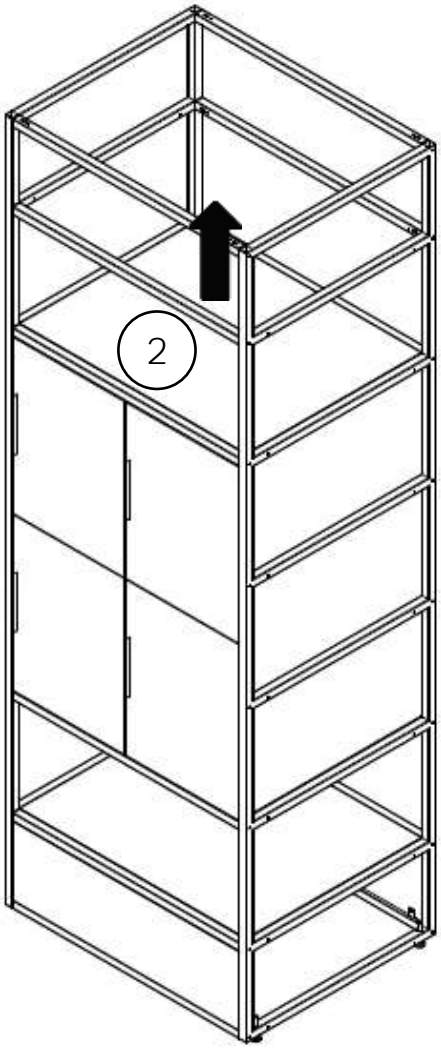
Needed are:





Glass suction cup

TX10
TX25
PZ2



Disassembly :

The glass suction cup can be used to remove the shelf (2), which sits directly above the top of the cabinet, upwards.

Now follow the steps in Chapter 3 - Carcases in reverse order.

[11. Superstructure statics]

The Supergrid™ space-creating furniture system transforms large office landscapes into vibrant workspaces. It can be positioned freely in the room or along a wall. Supergrid™ is available in two different depths (400 mm and 650 mm). Both the different positioning in the room and the different dimensions place different demands on the statics of the structure. Artis Space Systems GmbH provides proof of stability for this system, but only if the following requirements are met.

System 400
This system depth is primarily intended for use along a wall. However, it can also be installed free in the room. In either case, it is important to ensure that the system is secured to either the wall or the floor. If this is not possible, the system must be ballasted to prevent it from tipping over.

System 650
This system depth is primarily intended for use in open spaces, but can also be installed along a wall. In both cases it is important to ensure that the system is secured either by wall or floor mounting. If this is not possible, the system must be ballasted to prevent it from tipping over.

For structural reasons, pull-out units (flap/drawer) can only be loaded up to and including the 3rd position in a module.A maximum load of 30 kg (System 400) or 40 kg (System 650) per shelf is recommended. This should not be exceeded.

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

The detailed **structural analysis** certificate can be requested directly from Artis Space Systems GmbH. The verification is also available for **download** in the PRO area of the website www.mysupergrid.com

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hello@mysupergrid.com

[11.1 Wall mounting]

Before fixing the individual modules 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. Installation must be carried out by specialised fitters.

2. The fasteners must be selected according to the expected forces.

3. When installing, take into account the installation zones (gas, water, electricity).

4. If the condition of the wall requires it, wall fasteners other than those supplied must be used.

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.

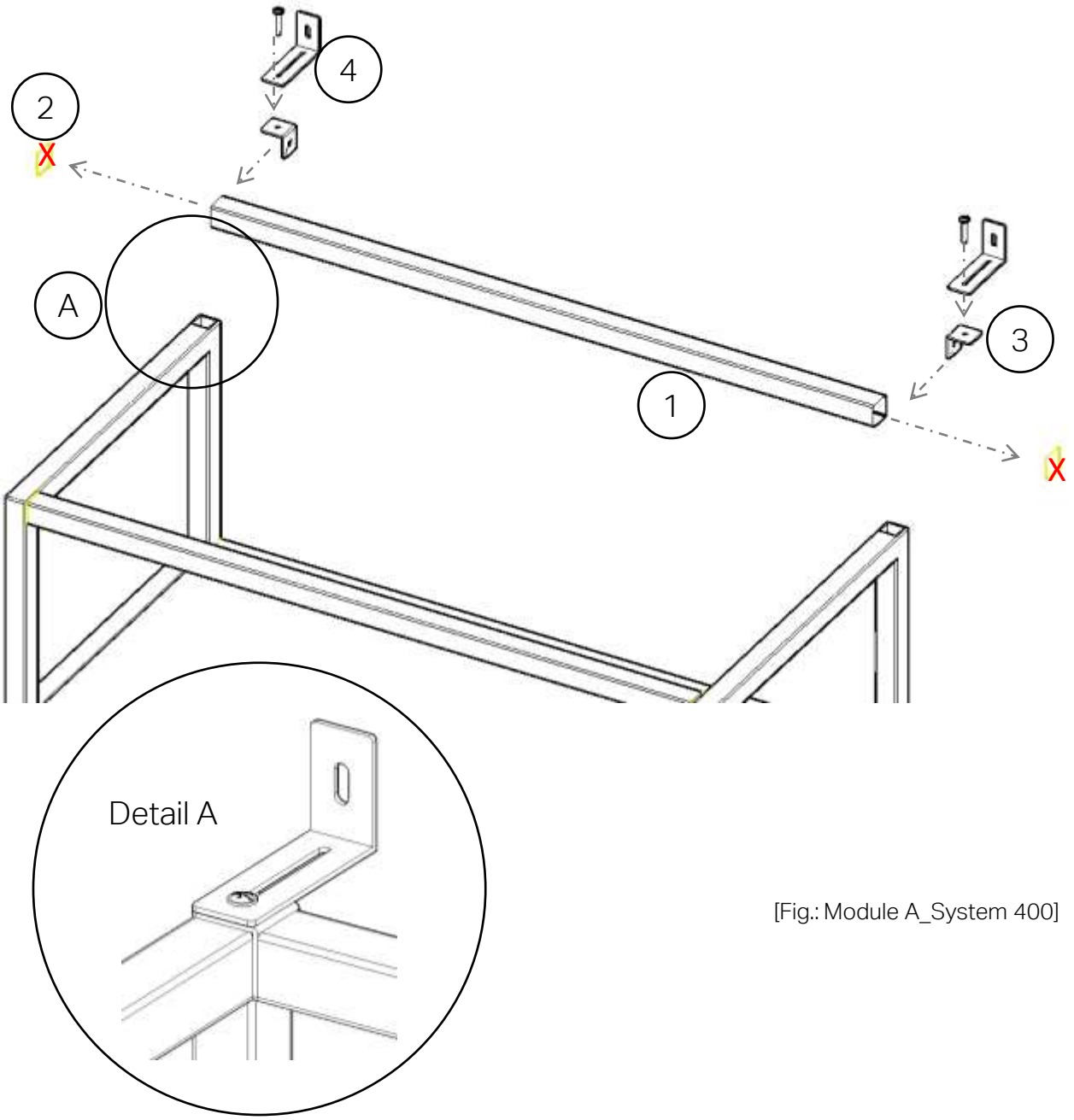
System 400

The system is fixed to the wall using two slotted steel brackets and two plugs per module. In a rack with three modules, only the outer modules and then every second module need to be fitted with steel brackets and fixed to the wall. If a corner module is installed, no wall fixing and no additional anti-tilt device is required.

System 650

If the shelving unit consists of less than three modules, at least one module must be fitted with two steel brackets and two top pieces as shown on the next page. No wall brackets are required for three or more shelving units. Again, when installing a corner module, no brackets are required and no additional anti-tip device is required.

[11.1 Wall mounting]



[Fig.: Module A_System 400]

Remove the top crossbar (1) facing the wall and replace the spacer plates (2) with the attachments (3). These can be placed on the system connectors in the same way as the distance plates.

The slotted bracket (4) can then be screwed onto the attachment (3) from above using the screw (M4x27). A thread is drilled there.

The module can now be fixed to the wall using the slotted bracket (4). The plugs and screws to be used here must be selected according to the circumstances. The slotted bracket (4) is available in different lengths as required.

[11.2 Ground fixation]

Beforethe individual modules to the floor, the following criteria must becriteria must be checked

1. before installation, check the condition of theCheck the condition of the substrate before installation and use suitable fasteners.Suitable fasteners must be used. Installation must be carried out bymust be carried out by specialist installers.

2. Fasteners must be selected according to the expected forces.

3. When installing, take into account the installation zones (gas, water, electricity).

4. If floor conditions so require, use floor fixings other than those supplied.Use floor fixings other than those supplied.

Only when these criteria have been checked can the modules be secured according to the following steps. If this is not possible, the stability of the system can still be guaranteed, see Chapter 11.2 - Ground Fastening and Chapter 11.3 - Ballast mounting.

System 400

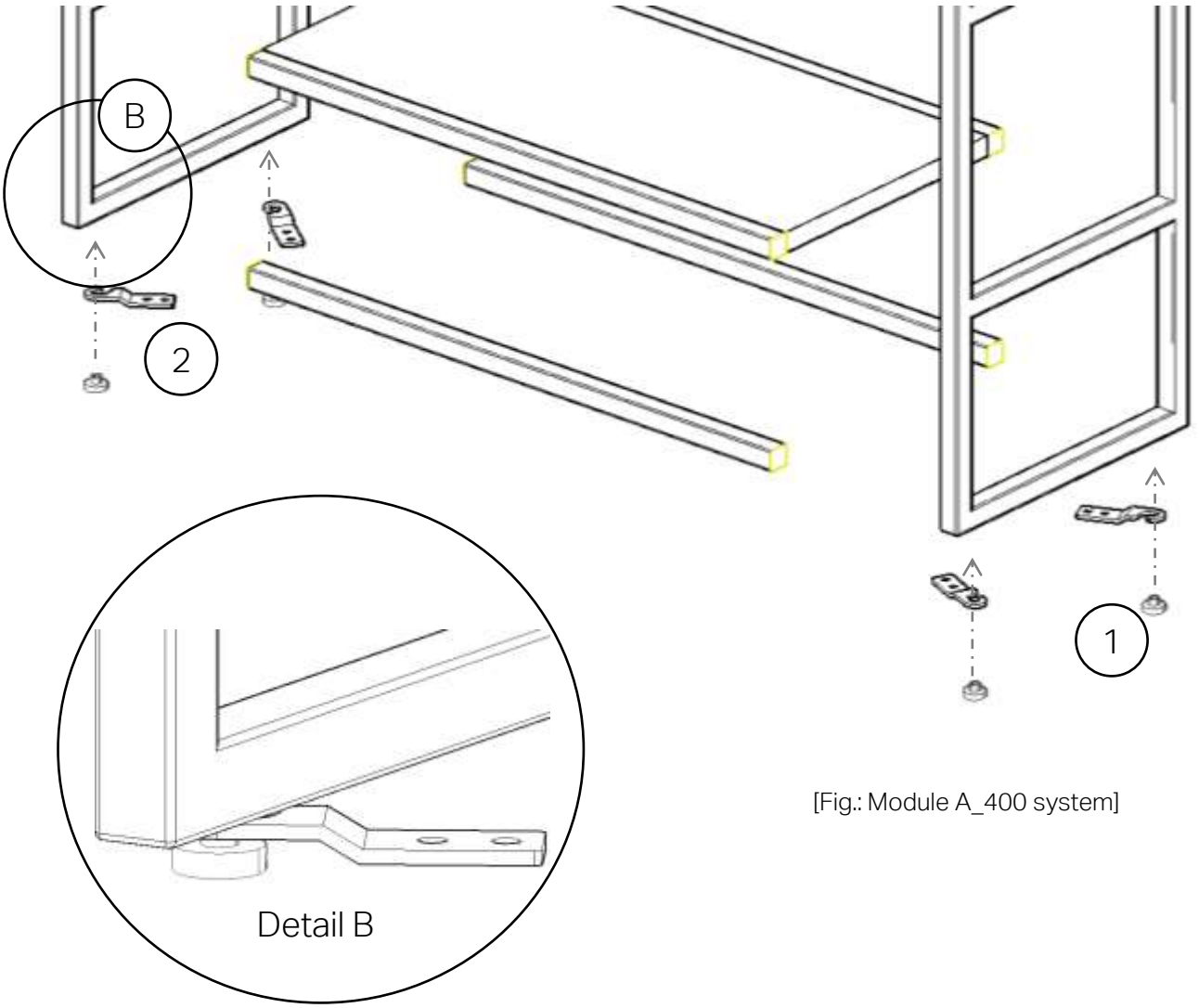
Each module is secured to the floor with four steel straps. If the shelving unit consists of two modules, each module is secured to the floor with two diagonally opposite steel straps. If the shelving unit consists of three modules, only the outer modules and every other module must be secured to the floor with two diagonally opposite steel straps. If a corner module is installed, no floor fixing or other anti-tilt device is required.

System 650

If the shelving unit consists of fewer than three modules, at least one module must be fitted with four steel brackets as shown in the illustration on the next page. If there are three or more units, no floor fixing is required. Again, no brackets or other anti-tilt devices are required when installing a corner module.

[11.2 Ground fixation]

Fastening of a single module:



[Fig.: Module A_400 system]

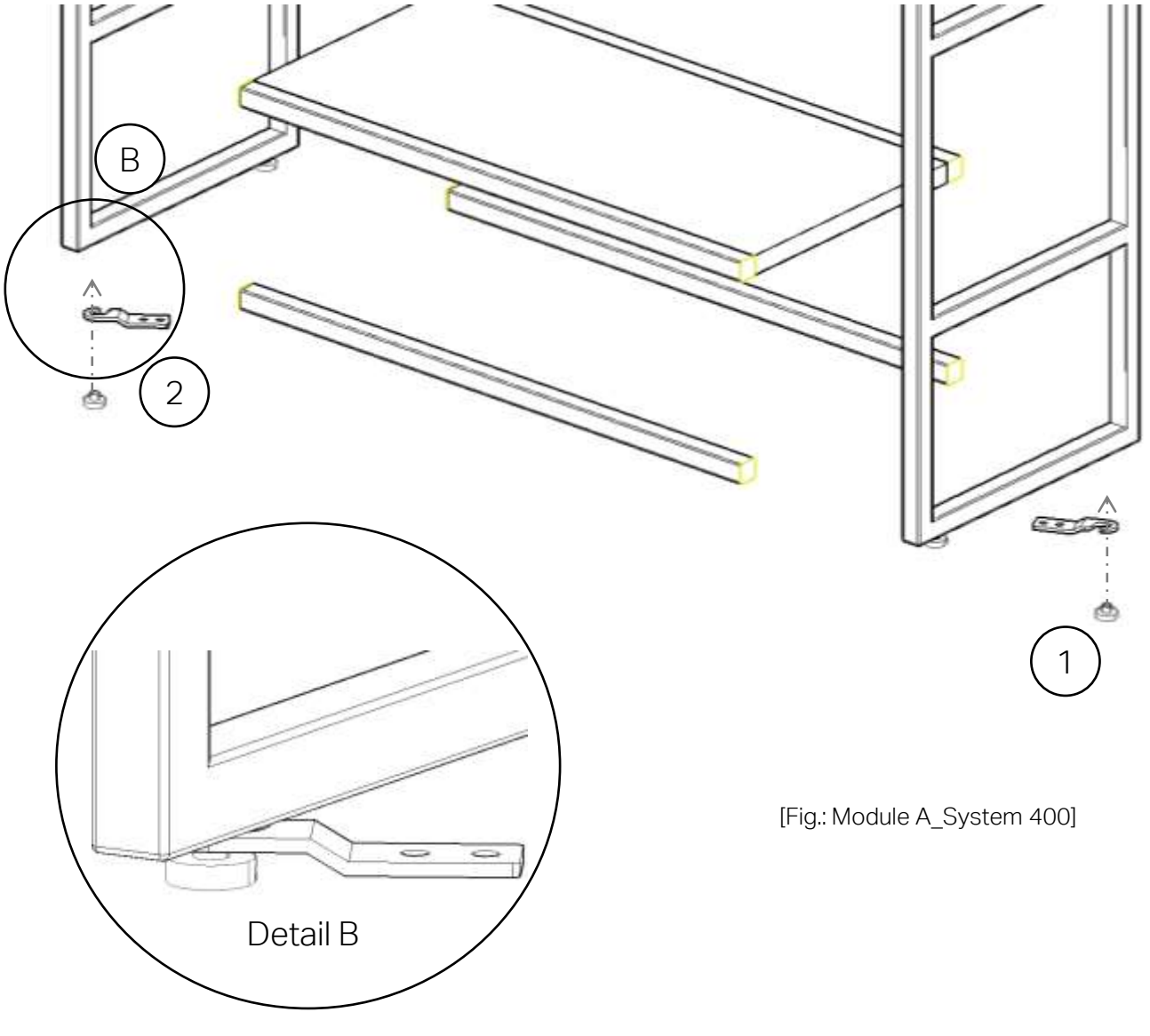
Once the module has been assembled and positioned in the room, the four steel straps (2) are threaded around the levelling feet (1) using the loop provided. A 360° rotation around the feet (1) allows the brackets (2) to be positioned to suit local conditions.

They are then fixed to the floor using suitable fixings (two screws and plugs per bracket). Finally, the base/plinth panels are fitted and secured (see section 2.8, p.14).

This floor attachment nevertheless allows the installation of a plinth drawer and the omission of plinth panels.

[11.2 Ground fixation]

Mounting from two modules in one shelving unit:



[Fig.: Module A_System 400]

If there are more than two modules per shelving unit, use two steel brackets per module. Ensure that the two brackets (2) are diagonally opposite each other. The two brackets (2) are placed around the levelling feet (1) using the loop provided and fastened to the floor using suitable fasteners (two screws and dowels each).

This floor attachment nevertheless allows the installation of a plinth drawer and the omission of plinth panels.

[11.3 Attach ballast]

If wall or floor mounting is not possible or desired on site, the system must be weighted down to ensure stability.

This is done by adding weights to the base area. Once all the plinth panels have been installed, this ballast is no longer visible.

System 400

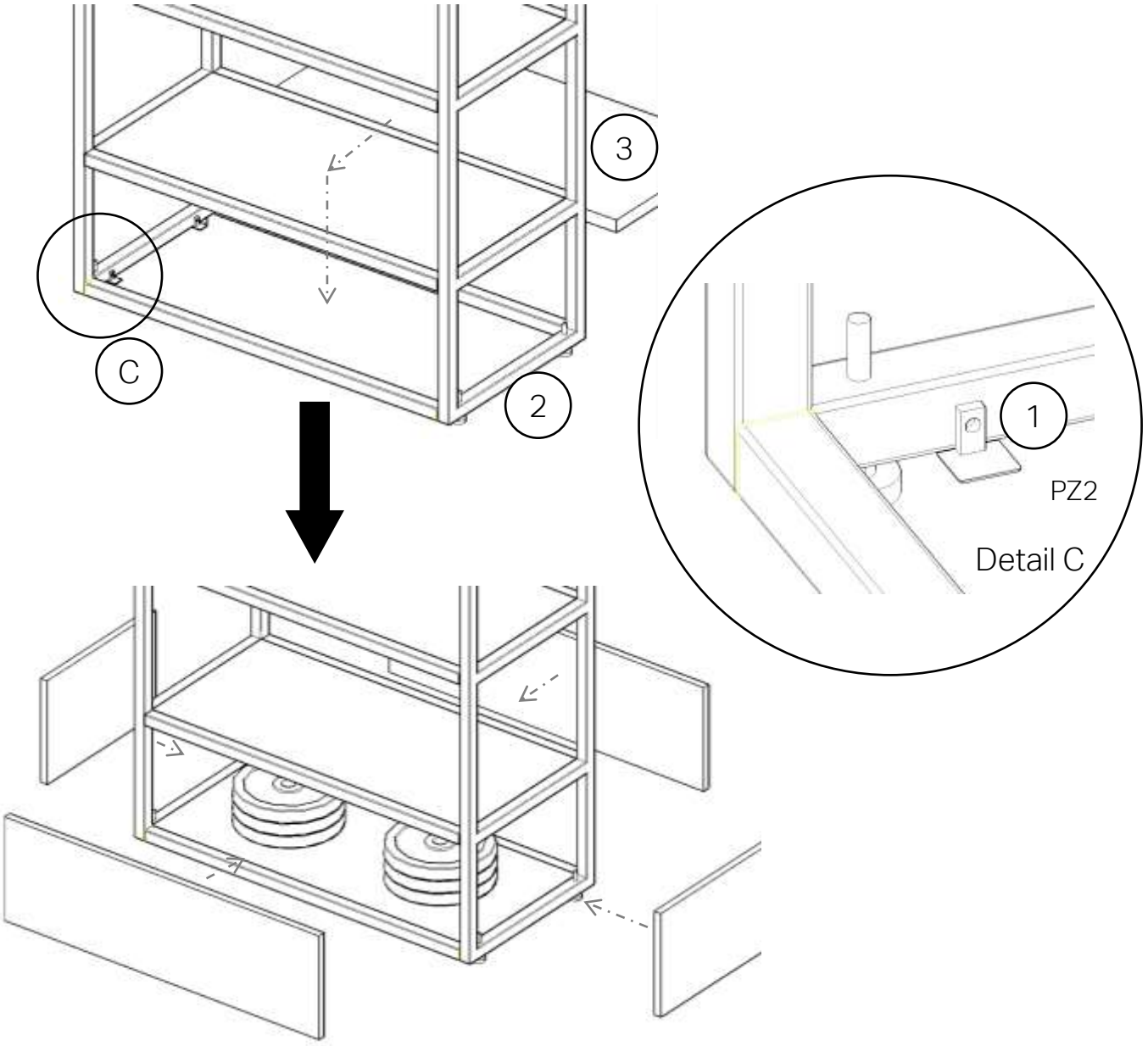
In this case, each module is weighted in the base area. If a corner module is installed, no weighting is required and no further anti-tilt protection is needed.

System 650

If the shelving unit consists of less than three modules, at least one module must be ballasted with weights as shown in the illustration on the next page. No ballasting is required for three or more units. Again, if a corner module is installed, no brackets or other anti-tilt devices are required.

A plinth drawer cannot be installed in the plinth area of modules with ballast. In addition, the plinth area must always be closed with the appropriate covers to conceal the ballast.

[11.3 Attach ballast]



[Fig.: Module A_System 400]

To ensure the stability of a module without wall or floor mounting, a ballast of 30 kg total weight must be added to the base. This is done by inserting an additional shelf (3) with its four shelf supports (1) into the lowest level of the grille.
The ladders (2) already have holes for the shelf supports. The six 5 kg weight plates supplied can then be placed on the shelf. To ensure that the plates are evenly positioned, two round timbers are placed vertically at the designated points on the shelf (see holes). The weights are screwed onto these wooden members. Finally, the base panels can be inserted as described in detail in Chapter 2.8 - Base panels (p. 14).

[As of: Mai 2024]
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