

 CADRO 21

| Frame system



CADRO²¹ | Frame system

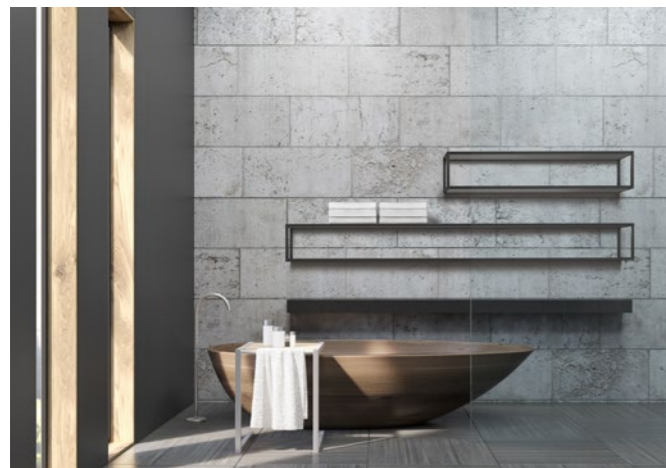


Creating furniture according to your specific requirements.

Our furniture frame system CADRO consists of different kinds of profiles and connectors, seamlessly adapting itself to existing furniture elements or captivates as a stand-alone object.

Due to special frame profiles developed for different kinds of panels and sophisticated fixing possibilities, this system stands out from the crowd: 5 different connectors, 3 different frame profiles, 1 "invisible" and adjustable wall mounting device, connection possibilities in all directions as well as options to integrate side panels and flap doors.

Whatever you choose, the system remains simple and easy to handle.



Unlimited creativity.

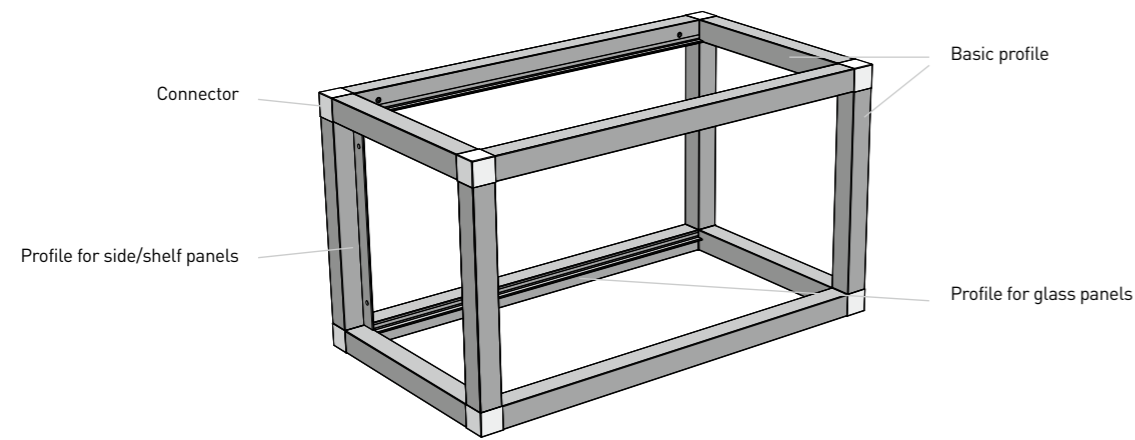
A frame system matching all your creative ideas.



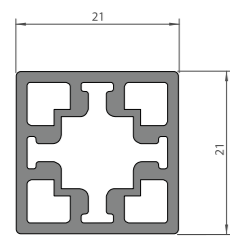
CADRO²¹ | Frame system

The structure of the components.

The heart of the system consists of connectors and profiles that can be used according to your own creative ideas. Whether long or short, wide or narrow, open or closed, on the wall or on the floor, almost every piece of furniture will be feasible.

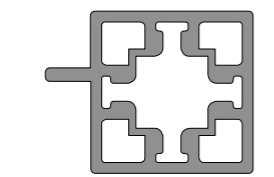


The profiles.



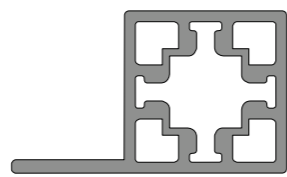
Basic profile

83040.****

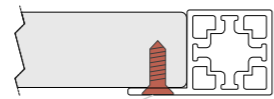


Profile for glass panels 6 mm

83041.****



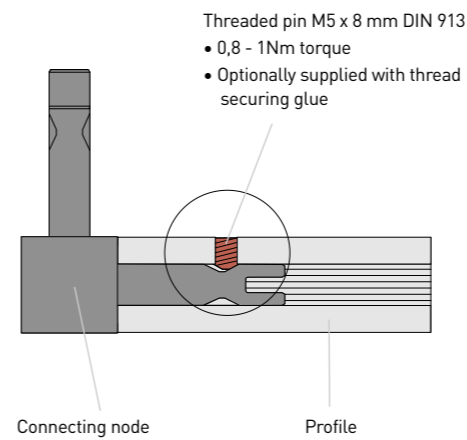
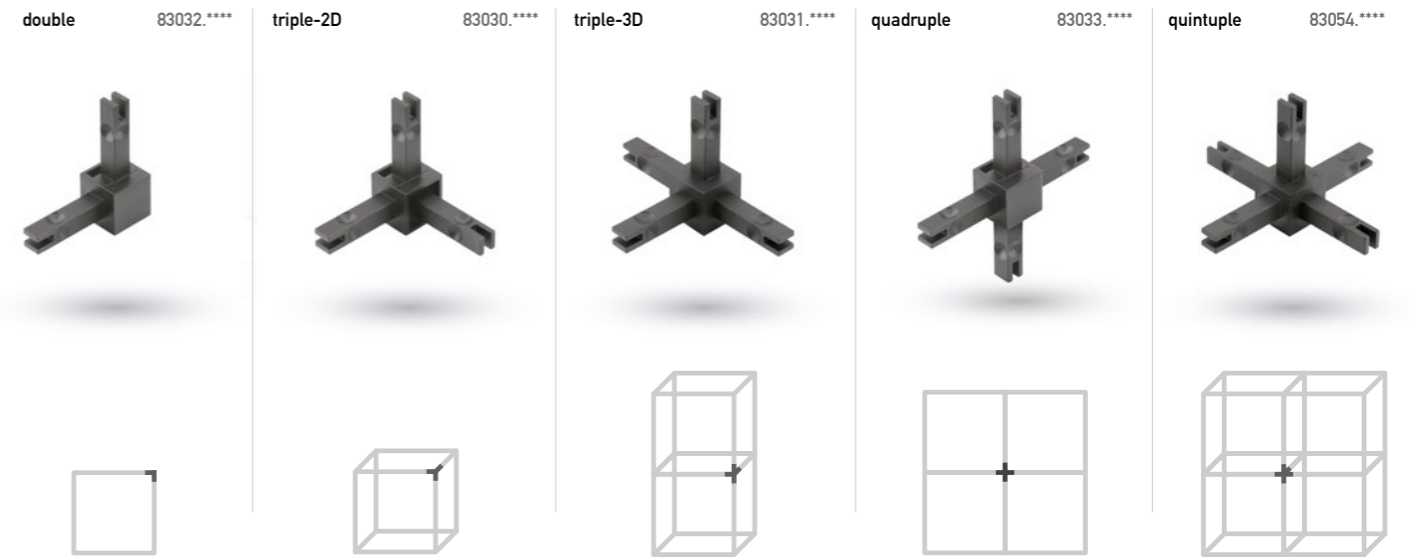
Profile for side/shelf panels 18/19 mm



3,5 x 12 mm countersunk head screw

83042.****

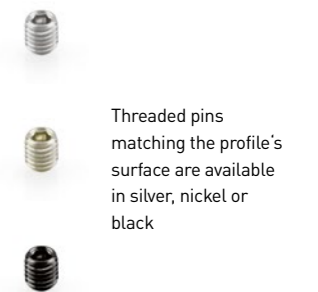
The connectors.

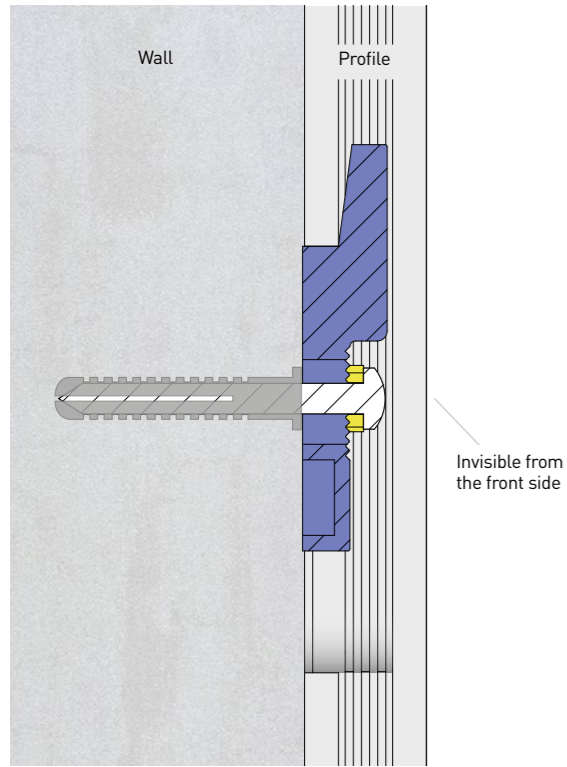


The safe connection.

To ensure a high stability, strength and safety, the profiles are connected by using threaded pins which are screwed into the connectors. The pins are optionally supplied with a thread securing glue and fastened with a 0,8 - 1nm torque. Due to the preset distance of the thread hole the connection guarantees excellent stability and safety.

For more details regarding the thread hole see page 14.





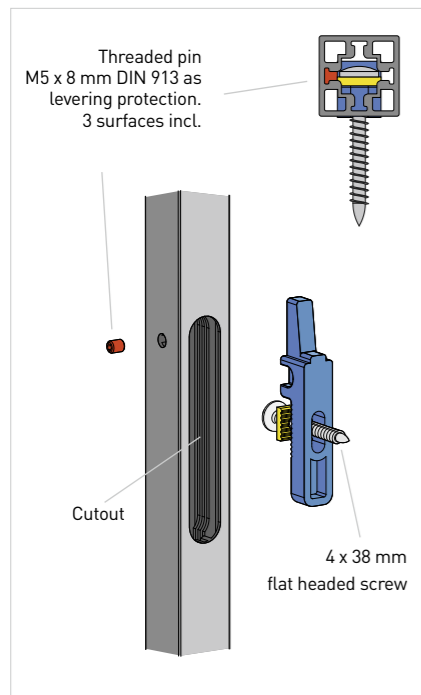
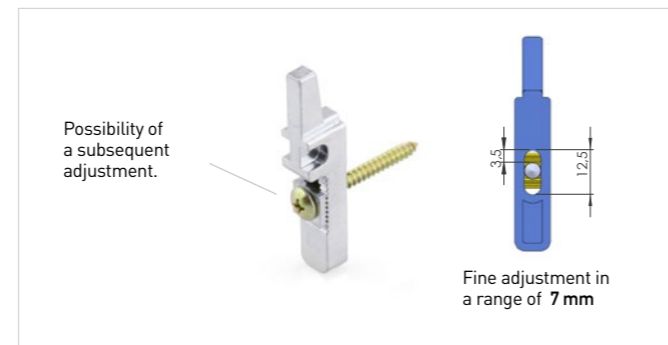
The invisible wall mounting system.

83043.****

Our idea: an elegant system needs an elegant and discrete fixing solution. The result is simple but unbeatable in its function:

A supporting system that is fastened to the wall in which the furniture element can be hooked and fixed afterwards. The system also allows an easy and precise adjustment of height or depth even after mounting.

The result: the wall mounting system is not visible from the front side and the furniture element is safely and firmly fixed.



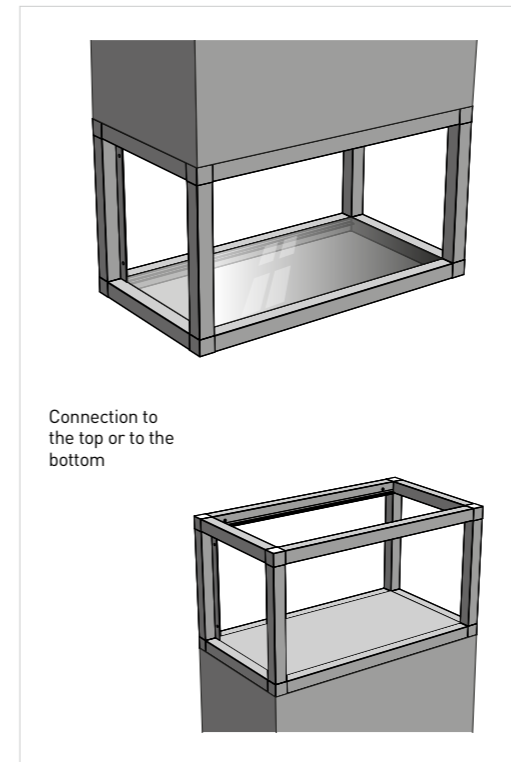
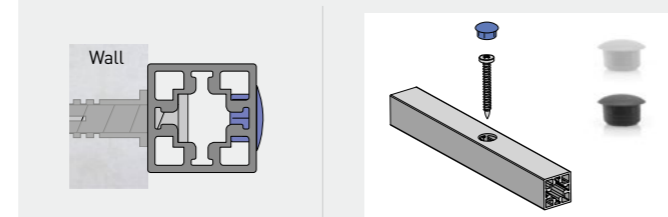
The wall mounting system is supplied as a complete kit consisting of supporting system, threaded pin in 3 colours and flat head screw with spacer for the fine adjustment.

For more details regarding the cutout and the thread hole see page 16.

alternative:

82922.****

... it is also possible to fix the system with a flat head screw that afterwards can be covered with a cap.



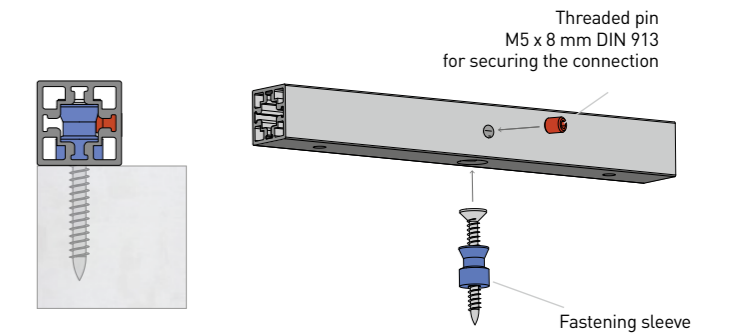
The perfect connection.

83055.****

In order to offer a discreet and stable solution to integrate the system into already existing furniture elements, we have developed a fastening insert that is as simple as it is efficient.

The connection using the fastening sleeve is screwed into the existing furniture element either at the top or at the bottom. Then simply place the predrilled CADRO profile in the required position and secure it with a threaded pin... and all is done!

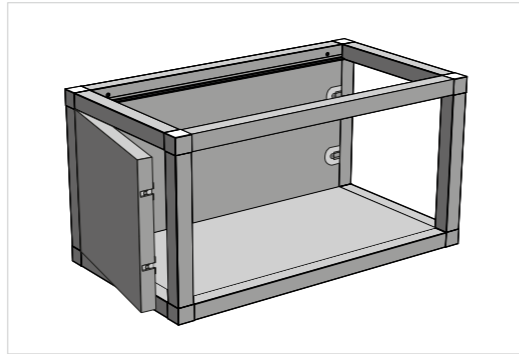
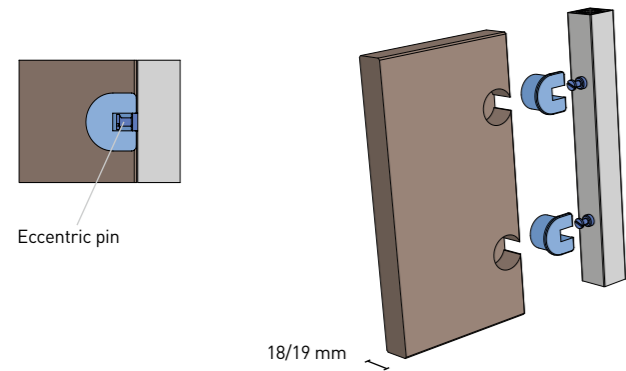
Set of 2 pieces including fastening sleeve, screw and threaded pin.



Side panels and back panels.

In order to create closed furniture elements, side and back panels are required. This possibility is provided by an eccentric system that allows a flexible screw connection to the CADRO basic profile.

Again, this fastening solution is only visible from one side so as not to disturb the aesthetics of the furniture element. All commercially available eccentric systems can be used for this.



Open the door.

Another option to create your individual piece of furniture:

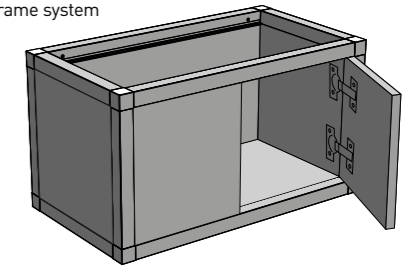
It is easily possible to mount hinged doors inside or outside of the frame system. If the door is mounted from the outside, the hinge spans the width of the profile (applies for commercially available door hinges that span a width of 16mm). With this method, even completely closed furniture elements can be created and designed.

Recommended hinges:

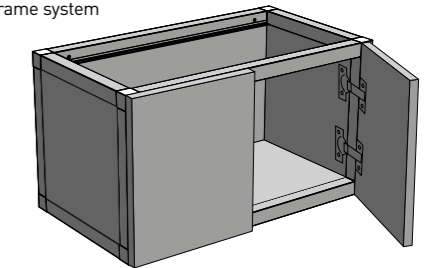
Door inside the frame system: Blum | Art.No.71B3750
 Blum | Art.No.175H7130 (Mounting plate)
 Hettich | Sensys8645i B-4
 Hettich | Distance 5mm (Mounting plate)
 Cup distance C = 3mm

Door outside the frame system: Blum | Art.No.71B3550
 Blum | Art.No.175H7130 (Mounting plate)

Door inside the frame system



Door outside the frame system

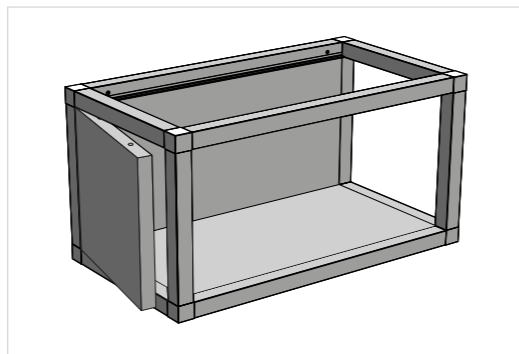


Ball catches

82942.****

A very elegant solution is the use of ball catches to fix the side or rear panels. Simply pre-drill the required holes in the edges of the panels and insert the ball catches. For the CADRO profile, you can use the holes of the threaded pins you have already made for the connecting notes.

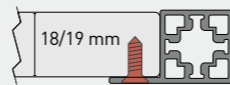
Thanks to an integrated metal spring under the ball, the side or rear panels simply can be „clicked in“. Thus, the fixing system remains invisible from the outside as well as from the inside.



alternative:

83042.****

... you can also use the side and shelf panel profiles to fix side panels. In this case, the panels are screw-fastened from the inside.



Designed for CADRO.



ART.-NO.	⊕ ⊖	
56294.****	128	*****.0223 Black supermatt painted
56321.****	160	
56322.****	192	*****.0174 Matt brushed nickel
56323.****	320	

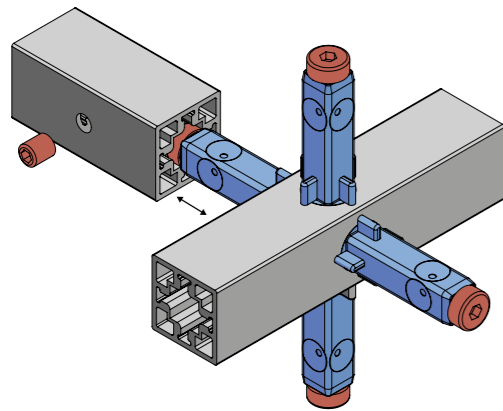
Bar handle Zamac & Aluminium
 (Special length on demand)

Alternative profile attachment.

The universal connector

82937.****

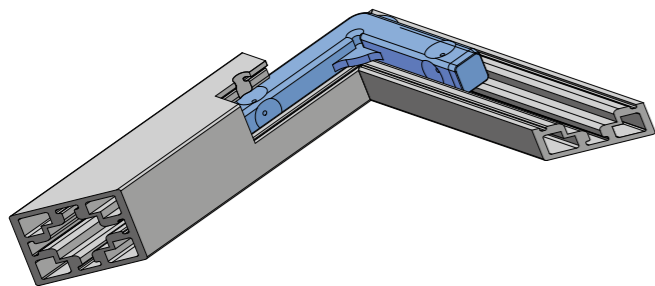
Another possibility to connect the profiles without connectors is the use of the universal connector. It can be screwed through 2 holes on each flat side of the profile and therefore can be used for universal applications.



The corner connector

82936.****

By using the corner connector, the CADRO profiles can be assembled at right angles without nodes. The profile ends are mitre-cut, the corner connector is inserted and then firmly fixed with the threaded pins. Thus, it is very easy to create mirrors or various kinds of frames.



Possible applications.

Accessories.

Cover cap (for M5 threaded pin)

This specially developed, very discreet cap serves to cover screwed-in threaded pins and gives your piece of furniture an even more uniform look.

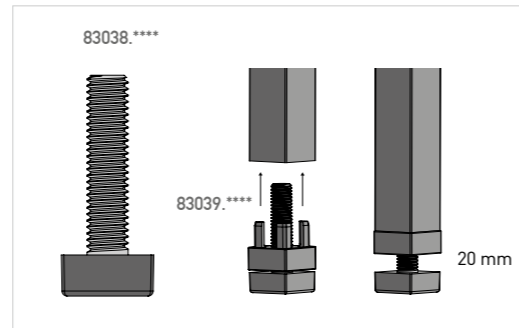
Cover clip (for 4-6 mm drilling holes).

The cover cap 83004.**** serves to cover 4-6 mm drilling holes and gives your piece of furniture an even more uniform look.



Adjustable foot & connecting thread.

A flexible height adjustment of the furniture leg is very important in furniture design. Our version offers an adjustable range of height from 0 to 20 mm. The foot is simply screwed into the profile's end with the help of our connecting thread 82938.****. This offers an optimal and quick solution to create height-adjustable furniture feet: saw the profile to the required length, insert the connecting thread and screw in the furniture foot, finished!



Castors.

As for furniture elements that have to be mobile (e.g. tea trolleys, TV stands, etc.), the use of castors is an option. There are many versions available on the market, such as versions with or without brake, which are compatible with our CADRO system. The castors should be equipped with an M8 thread and can easily be mounted with a corresponding drilling in the profile and fixing by an M8 blind threaded rivet nut.



Self-adhesive felt pads.

If your piece of furniture touches the floor with its side profiles and connecting nodes, we recommend the use of our custom-fit felt pads to protect your furniture and your floor from being scratched.



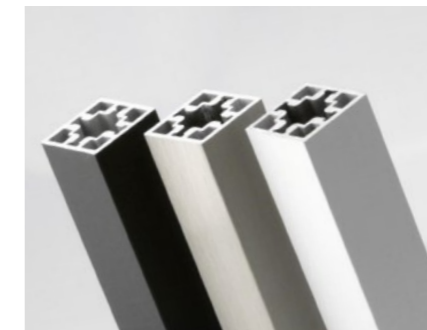
Connectors with height-adjustable stand.

As for pieces of furniture in touch with the floor with their node and profile elements, a height-adjustable foot is indispensable. For exactly this kind of furniture we have developed three additional connectors with adjustable stand.

Both nodes offer a height-adjustable range from 0 – 5 mm.



Impressions



Tools & techniques.

The creation of a CADRO element of furniture: technically simple and easy to handle.

Whether you do the assembling of your furniture completely by yourself, use measure made predrilled and/or premilled profiles or order the complete furniture element ready to use – You have the choice.

Working steps described on the example of smaller manufacturers:

Sawing.

Each profile can be cut to its required length using a standard table saw with an aluminium resistant saw blade.



Drilling and threading.

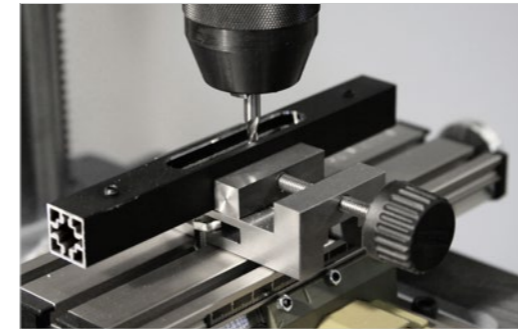
Afterwards the holes for the threads are drilled at standard distance to the profile's end. These are used to fasten the nodes.

The hole is being drilled with a standard 4,5mm drill. Afterwards screw in the M5 threaded screw using a cordless screwdriver. By doing this, the threaded pin cuts its own thread into the aluminum profile.



Finished!

Thus, the basic concept of the CADRO system has already been explained and there will be no limits to your creativity anymore.



Milling.

For the invisible wall mounting a cutout is made on the back of the furniture element. This can be done with any commercially available milling machine. It is also possible to place our manufacturing aid on a milling machine for all manufacturing steps.



The manufacturing aid.

82927.03.0000

With this device we offer you a technical aid for the precise drilling of holes and threads. The dimensions of this extremely solid plastic block are exactly adapted to the profiles of the CADRO system. For the wider sliding door profiles, two additional kits are optionally available.

The fastest and easiest way to drill and mill precise holes and cutouts.



Pillar drilling machine

Pillar drilling machine.

82927.00.0000

As a working tool, we recommend a pillar drilling machine with which you can easily do all drilling and threading work required for the CADRO system.

Do not hesitate to contact us, we will be glad to answer any further questions you may have regarding the CADRO frame system.

Further technical information can be found in our supplementary booklet:

CADRO - Technical information & assembly

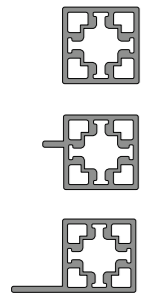


alternative:

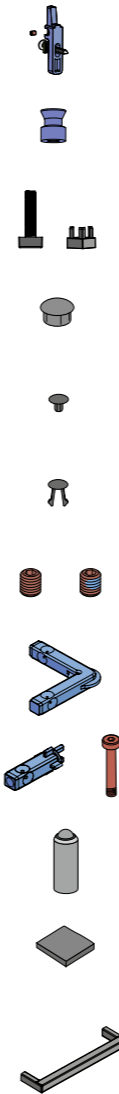
... we offer to deliver your order made-to-measure with predrilled and premilled profiles.

Or you order your components of furniture made according to your specifications and we will then supply the completely assembled frame, all tailor-made for your requirements.

At a glance.



Art.No.	Description	PU	Colour
Profiles			
83040.****	Basic profile (3000 mm length)	10	*****.0170 *****.0098 *****.0180
83041.****	Profile for glass panels (for 6 mm glass panels) (3000 mm length)	10	*****.0170 *****.0098 *****.0180
83042.****	Profile for side/shelf panels (for 18/19 mm profiles, screw-connected) (3000 mm length)	10	*****.0170 *****.0098 *****.0180
Connectors			
83032.****	double	48	*****.0033 *****.0067 *****.0174
83037.****	double (including adjustable stand, 5 mm height adjustment)		
83030.****	triple-3D	48	*****.0033 *****.0067 *****.0174
83035.****	triple-3D (including adjustable stand, 5 mm height adjustment)		
83031.****	quadruple	48	*****.0033 *****.0067 *****.0174
83053.****	quadruple (including adjustable stand, 5 mm height adjustment)		
83033.****	quadruple-2D	48	*****.0033 *****.0067 *****.0174
83054.****	quintuple	48	*****.0033 *****.0067 *****.0174



Art.No.	Description	PU	Colour
Fixing material & Accessories			
83043.****	Wall mounting, 1 Set = 2 pcs. (including main fastening system, adjustment plate, screw, dowel, threaded pin in silver, stainless steel, black)	20	*****.0000 Zinc-plated
83055.****	Fastening sleeve, 1 Set = 2 pcs. (to fix shelf panels at the bottom)	20	*****.0090
83038.****	Stand, 20 mm height adjustment, 1 Set = 2 pcs.	20	*****.0000 black
83039.****	Connecting thread, M8, 1 Set = 2 pcs.		
82922.****	Cover cap, 1 Set = 2 pcs. (for 10 mm drill holes)	100	*****.0001 *****.0007
82964.****	Cover cap (for M5 threaded pin)	1000.	*****.0001 *****.0007 *****.0067
83044.****	Cover Clip (for 4-6 mm drilling holes)	1000	*****.0001
83062.****	Threaded pin, M5 x 8 mm DIN 913	200.	*****.0186 *****.0091 *****.0090
83063.****	Threaded pin with secure glue, M5 x 8 mm DIN 913		
82936.****	Corner connector, invisible	48	*****.0091
82937.****	Universal connector, invisible	48	*****.0091
82939.****	Cylinder head screw with hexagon socket, M5 x 35 mm DIN 4762	200	
82942.****	Ball catches	200	*****.0091
82935.****	Felt pads, 1 Set = 25 pcs.	1	*****.0091
56294.****	128	100	*****.0223 *****.0174
56321.****	160 Bar handle (Zamac & Aluminium, Special length on demand)		
56322.****	192		
56323.****	320		

