



IKISYSTEM
INTRINSICALLY WOW

IKIWALL
DATASHEET

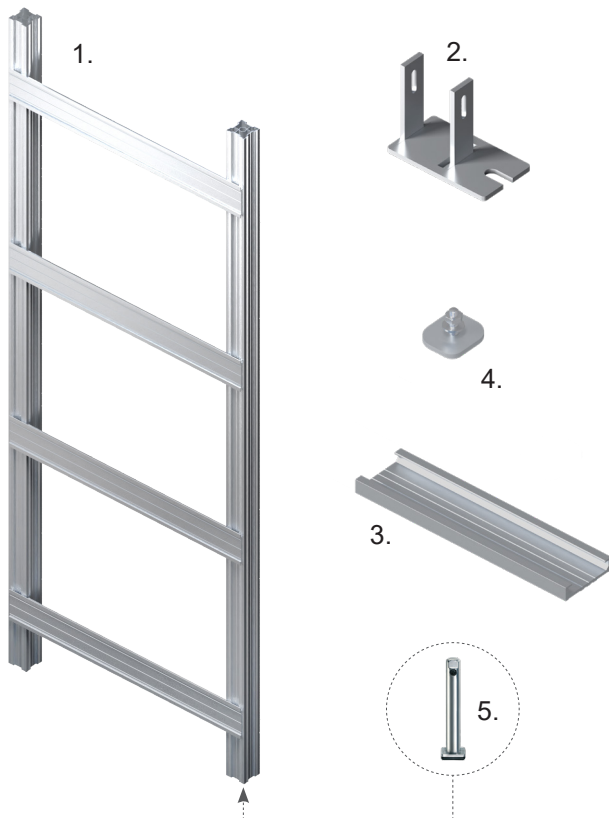
IKIWALL PARTITION

IKIwall is an aluminium extruded frame that can be used as internal partition to create a wall on which to directly install various types of coverings, as well as joinery.

The frame is composed by two rails fixed to floor and ceiling and a pre-assembled frame sitting in the rails using adjustable feet.

An optional skirting system may be installed.

IKIWALL COMPONENTS:



1. Pre-assembled frames - alluminium 6060
2. Base clamps - Inox
3. Rails - alluminium 6060
4. Fixing bolt - Inox
5. Integrated adjustable Feet

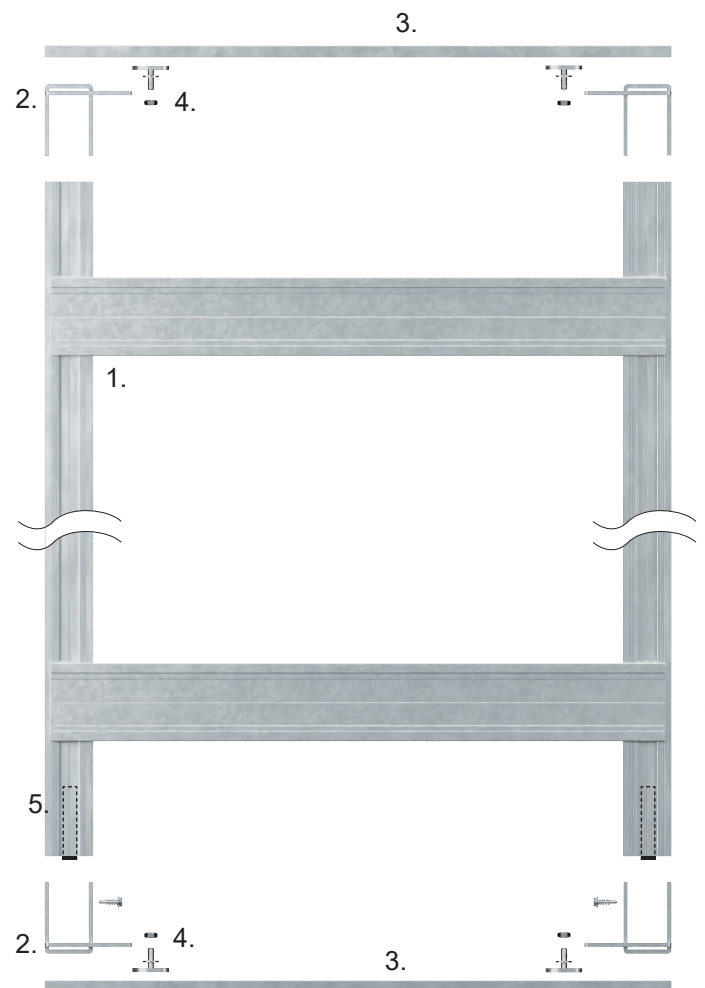
On the right: components installation scheme

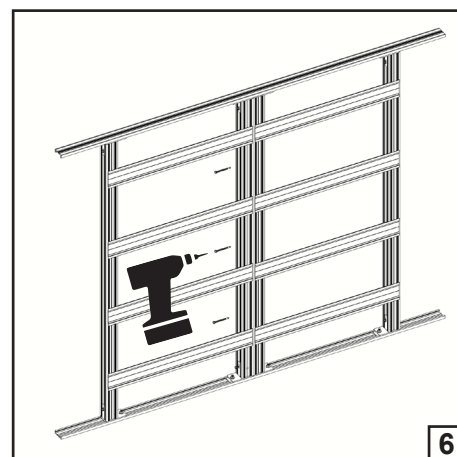
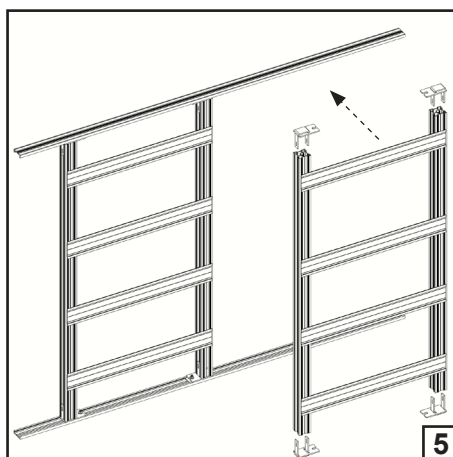
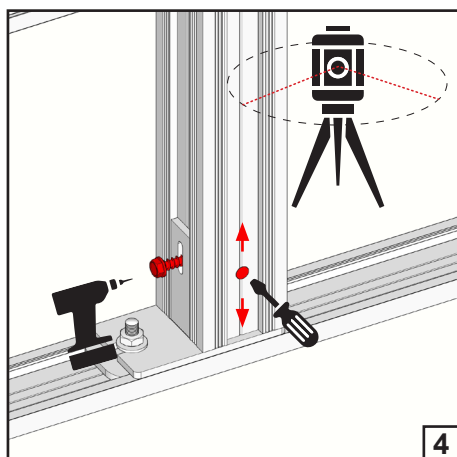
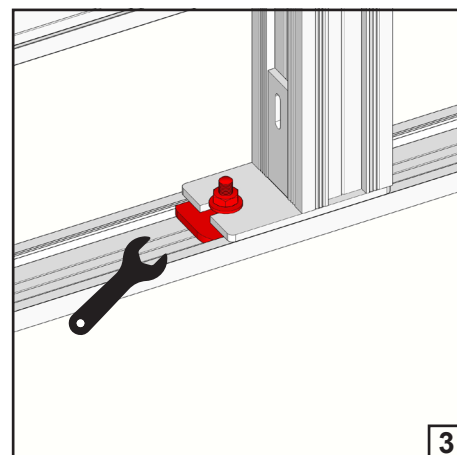
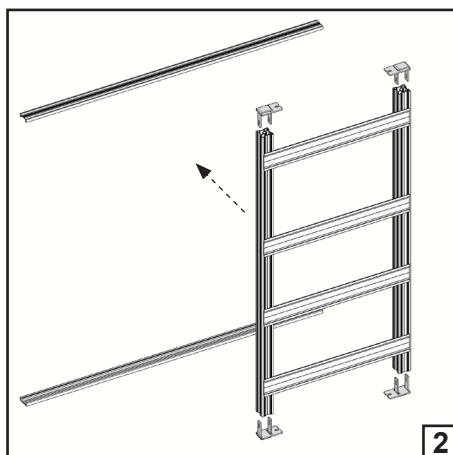
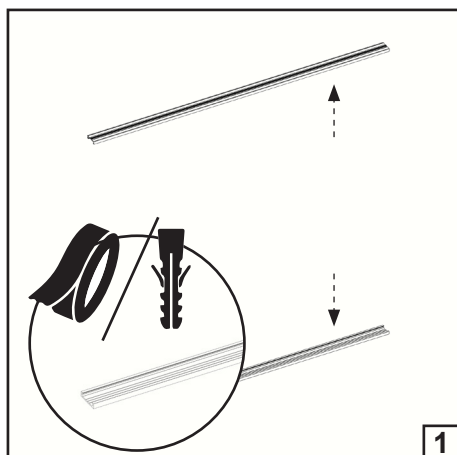
THE MAIN BENEFITS OF IKIWALL:

- Customization
- Fast production
- Reduction of installation time
- Error reduction
- Precision
- IKIsystem can be dismantled and reinstalled

IKIWALL MAIN APPLICATIONS:

- Residential building
- Retail
- Hotel
- Offices
- Renovations





IKIWALL MOUNTING STEPS:

1. Install top and bottom rail using double-sided tape or wall plugs
2. Install the frame on the rail
3. Tighten the base clam
4. Adjust the frame to match the design height using integrated adjustable feet (maximum adjustment height 25 mm) and fix the position with a self-drilling screw for each foot.
5. Install further frames on the rail repeating the steps from 2 to 4
6. Connect the frames using self-drilling screws

For more information about our product please watch the dedicated youtube channel scanning the QRcode below:



*IKIwall
time lapse*



*Typical IKIwall
office built*



*Rough slab to rough
ceiling, IKIwall installation*



*IKIwall frame
installation*

System dimension range

Frame Upright dimension: 50x50mm
Total frame thickness: from 55 to 60mm

Max. and min. frame dimension	Min	Max
Frame height	-	4500 mm
Frame lenght	180 mm	1200 mm

Mechanical characteristics

aluminum EN AW-6005A

$f_{0,2} = 215 \text{ Mpa}$

elastic limit resistance def. residual 0,2%

$f_u = 260 \text{ Mpa}$

ultimate tensile strength

$E = 70000 \text{ MPa}$

longitudinal modulus of elasticity

Vertical profiles - NON-ECCENTRIC LOADS (COVERINGS)

VERTICAL PROFILE - SINGLE WALL

VERTICAL POINT LOAD [kg] non-eccentric				
Profiles distance [cm]	300	350	400	450
60	270	200	150	115
90	200	130	110	80
120	150	100	70	50

Horizontal Force (Hk): 100kg/m - Cat. A1, B1, B2, C1				
60	270	200	150	115
90	200	130	110	80
120	150	100	70	50

Horizontal Force (Hk): 200kg/m - Cat. A1, B1, B2, C1				
60	150	100	70	50
90	60	25	10	0
120	---	---	---	---

Horizontal Force (Hk): 300kg/m - Cat. A1, B1, B2, C1				
60	60	25	10	0
90	---	---	---	---
120	---	---	---	---

Surface VERTICAL LOAD* [kg/m2] non-eccentric				
Profiles distance [cm]	300	350	400	450
60	300	190	125	85
90	148	83	61	40
120	83	48	29	19

Horizontal Force (Hk): 100kg/m - Cat. A1, B1, B2, C1				
60	300	190	125	85
90	148	83	61	40
120	83	48	29	19

Horizontal Force (Hk): 200kg/m - Cat. A1, B1, B2, C1				
60	167	95	58	37
90	44	16	6	0
120	---	---	---	---

Horizontal Force (Hk): 300kg/m - Cat. A1, B1, B2, C1				
60	67	24	8	0
90	---	---	---	---
120	---	---	---	---

Other informations

Patent Pending