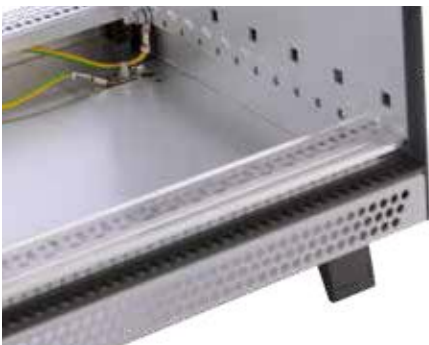


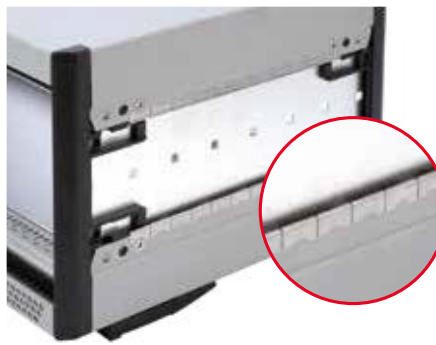
The product advantages



The 19" Internorm Stil desktop enclosure system consists of powder-coated aluminium components and is compatible with the accessory components and profiles in the Interzoll Modul product range.



We recommend the ventilated enclosure if electronic components generate high temperatures. In this way, the airflow is conducted from "below at the front" to "top at the rear".



The standard enclosure design provides good EMC characteristics, which can be upgraded by the use of optional EMC components.



Thanks to the various equipment options such as handles and tip-up feet, Internorm Stil can be flexibly adapted to the relevant application.



As an option, handles or 19" flanges can be fitted on the front side for switch cabinet installation.



Quick-Finder:
www.bopla.de/86

Examples of use





BOPLA

A Phoenix Mecano Company

Internorm Stil



Colour:

Enclosure:

● White aluminum, similar to RAL 9006

Profiles, feet:

● Anthracite grey, similar to RAL 7016

Protection class:

IP20 / DIN EN 60529

Material:

Profiles: Al Mg Si 0,5, anodized

Covers: diecast aluminum

Front handles / flanges: diecast aluminum

Side walls, cover and side panels:

passivated aluminium

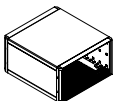
For details see technical information.



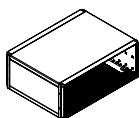
Enclosure sizes

3 U

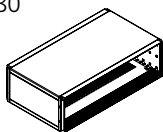
INS 24340



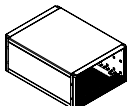
INS 24360



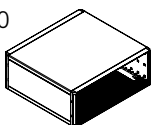
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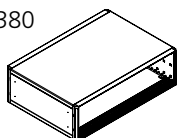
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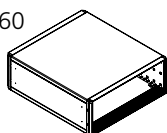
INS 30360



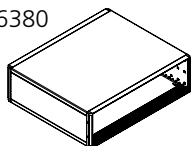
INS 30380



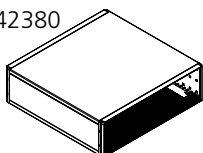
INS 36360



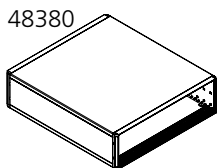
INS 36380



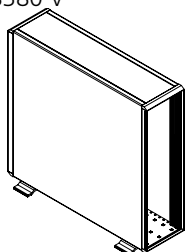
INS 42380



INS 48380

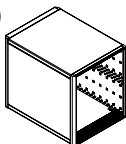


INS 48380 V

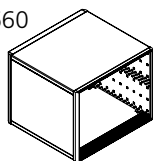


6 U

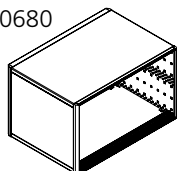
INS 30640



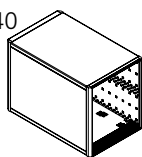
INS 30660



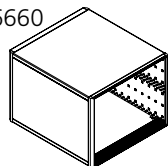
INS 30680



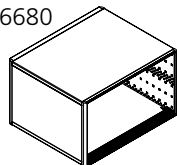
INS 36640



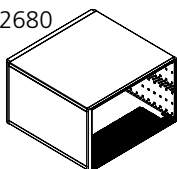
INS 36660



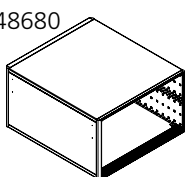
INS 36680



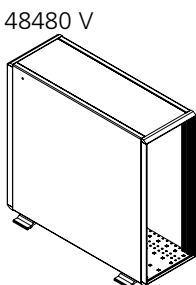
INS 42680



INS 48680

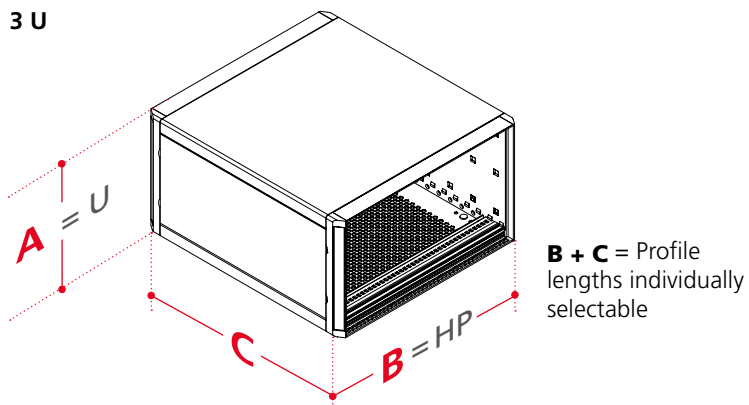


INS 48480 V

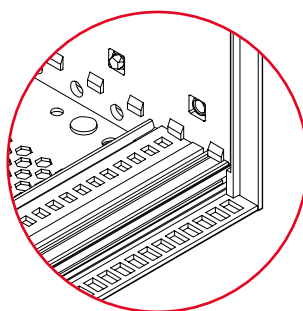


Design types

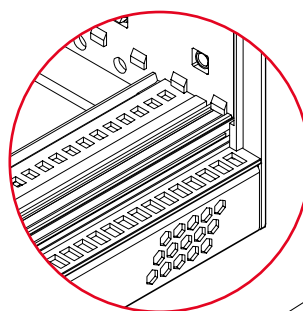
3 U



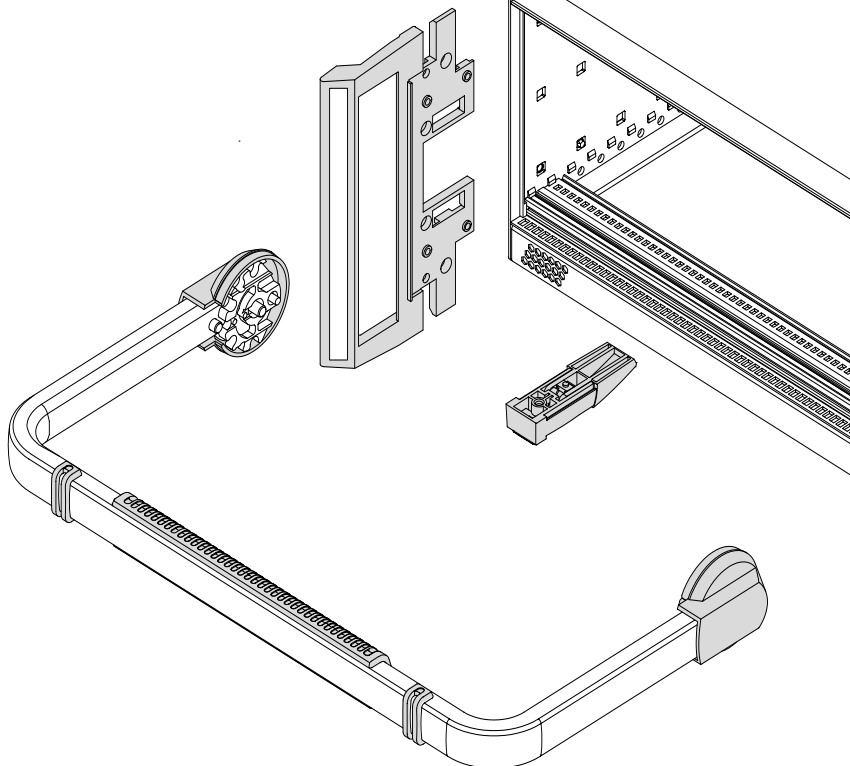
Without ventilation



With ventilation



All enclosure sizes are available with and without ventilation.

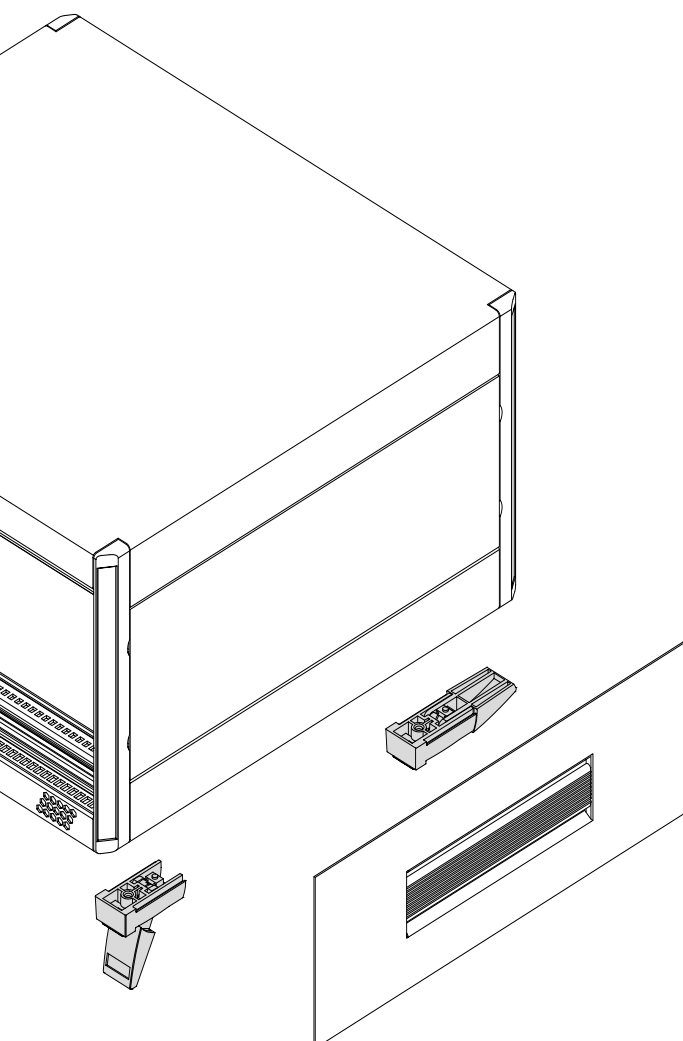
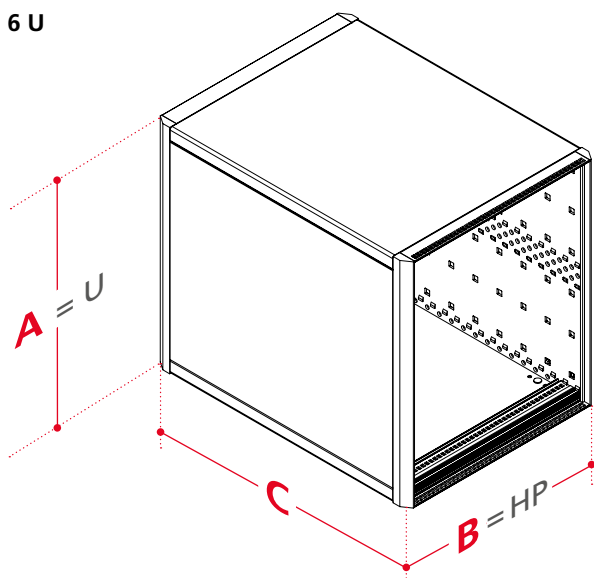


**BOPLA**

A Phoenix Mecano Company

Internorm Stil

6 U



Dimensions

Model	A	B	C	HP
3 U	Without / with ventilation			
INS 24340 (-L)	132.55 / 177	235.54	255.5	42
INS 24360 (-L)	132.55 / 177	342.02	255.5	63
INS 24380 (-L)	132.55 / 177	448.7	255.5	84
INS 30340 (-L)	132.55 / 177	235.54	315.5	42
INS 30360 (-L)	132.55 / 177	342.02	315.5	63
INS 30380 (-L)	132.55 / 177	448.7	315.5	84
INS 36360 (-L)	132.55 / 177	342.02	375.5	63
INS 36380 (-L)	132.55 / 177	448.7	375.5	84
INS 42380 (-L)	132.55 / 177	448.7	435.5	84
INS 48380 (-L)	132.55 / 177	448.7	495.5	84
6 U	Without / with ventilation			
INS 30640 (-L)	265.9 / 310.35	235.54	315.5	42
INS 30660 (-L)	265.9 / 310.35	342.02	315.5	63
INS 30680 (-L)	265.9 / 310.35	448.7	315.5	84
INS 36640 (-L)	265.9 / 310.35	235.54	375.5	42
INS 36660 (-L)	265.9 / 310.35	342.02	375.5	63
INS 36680 (-L)	265.9 / 310.35	448.7	375.5	84
INS 42680 (-L)	265.9 / 310.35	448.7	435.5	84
INS 48680 (-L)	265.9 / 310.35	448.7	495.5	84
Tower enclosure	Without ventilation			
INS 48380 V	132.55 (3 U)	448.7	495.5	84
INS 48480 V	177 (4 U)	448.7	495.5	84

Accessories



Strap handles incl. lateral trim



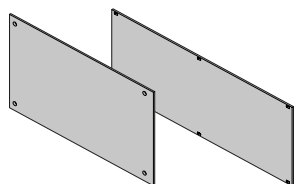
Flange with handle, screwable in place of the cover strips



Plug-in stack adapter



EMC springs for horizontal shielding between cover plates and side panels



Front and part front panels in different versions

The product advantages



By using an Internorm enclosure, a 19" subrack can be converted into a sturdy desk-top device. The enclosure half-shells – made of impact-resistant plastic – are screwed together using variable-length aluminium profiles.



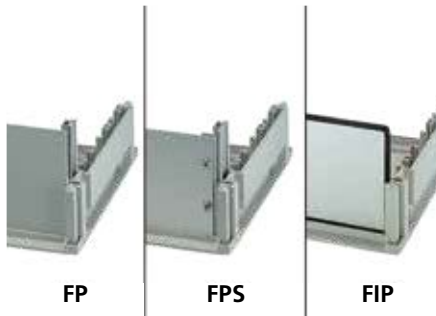
The enclosure screws are under hinged covers opened by means of a pushbutton. This principle is used for the tip-up feet on the underside of the enclosure.



The height of both half-shells (basic height: 3 U) can be extended in 1 U steps with extension sets.



The enclosure can be upgraded to protection class IP54 by the use of seals and IP front panels or lockable doors.



Different front and rear panels allow adaptation of the enclosure to a very wide range of applications.



Quick-Finder:
www.bopla.de/30

Examples of use





BOPLA

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Internorm



Colour:

Enclosure:

● Light grey, similar to RAL 7035

Corner profiles, cover caps, Door:

● Silver grey, similar to RAL 7001

Protection class:

IP40 / DIN EN 60529

IP54 / DIN EN 60529 optional

Material:

Enclosure: PS (polystyrene)

Seal: CR / TPE

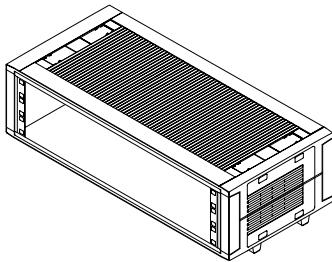
(Round cord / FIP seal)

For details see technical information.

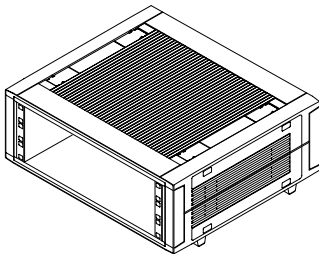


Enclosure sizes

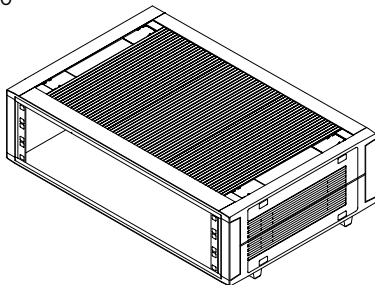
IN 25060



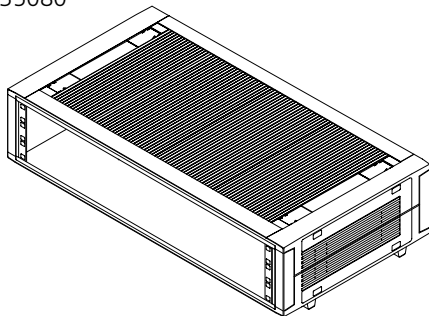
IN 35040



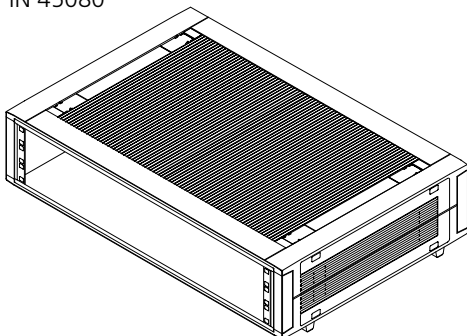
IN 35060



IN 35080

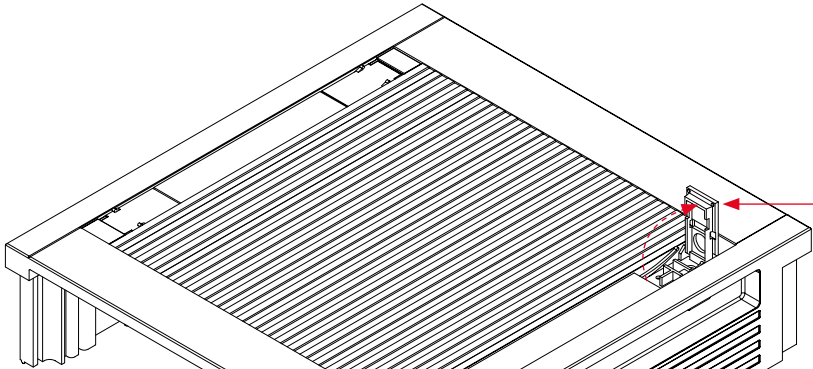


IN 45080

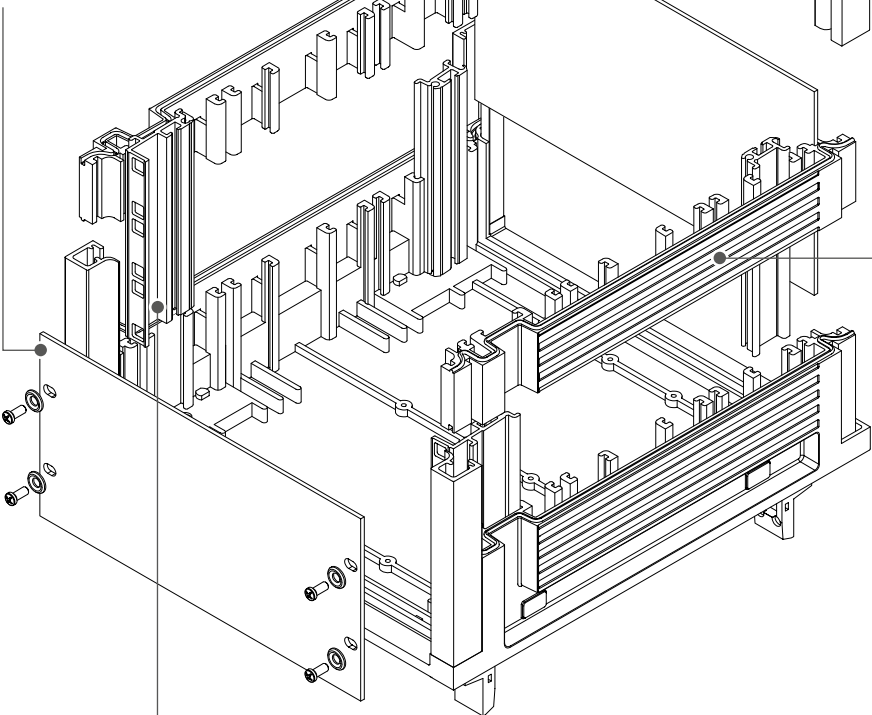


Design types

3 U



FPS ...
Front / back panels
screwable

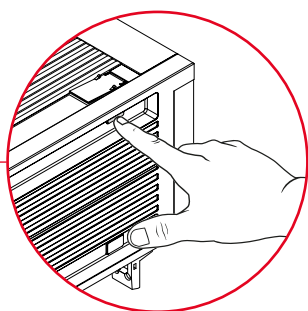


PZ ...
19" profile sets for fitting of subracks
or screw-on front panels.

**BOPLA**

A Phoenix Mecano Company

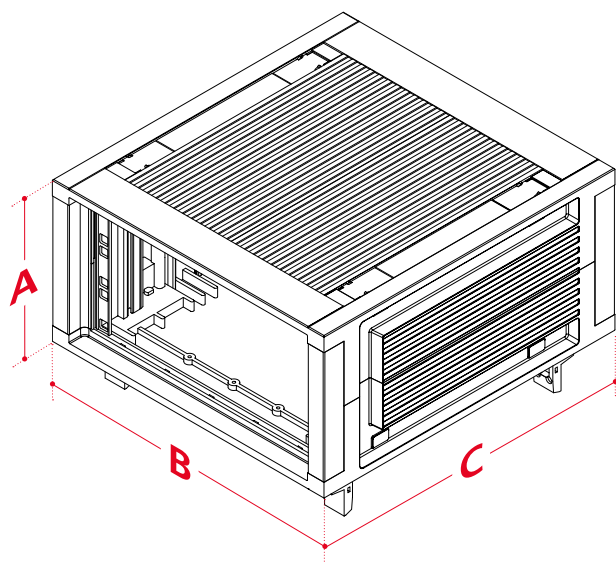
Internorm

**Press to open!****PEK ...**

corner profile sets for pushing or latching onto the enclosure corners. Optionally also available with moulded-on wall bracket.

AB ...

One extension set raises the enclosure by one HP. Extensions sets with air vents on request.



Dimensions

Model	A	B	C	HP
3 U				
IN 25060	169	434	250	63
IN 35040	169	327	350	42
IN 35060	169	434	350	63
IN 35080	169	540	350	84
IN 45080	169	540	450	84

Accessories



Wall corner profile sets



Seal IP 54 / EMC seal for enclosures and extension sets



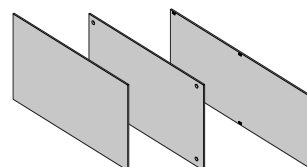
Extension sets 1 HP



Snap-in outlet filter



Handles / tip-up bows, hinged



Front and part front panels in different versions

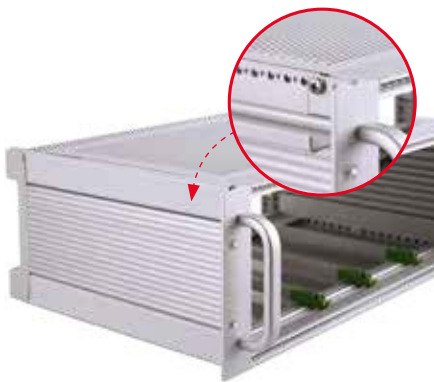
The product advantages



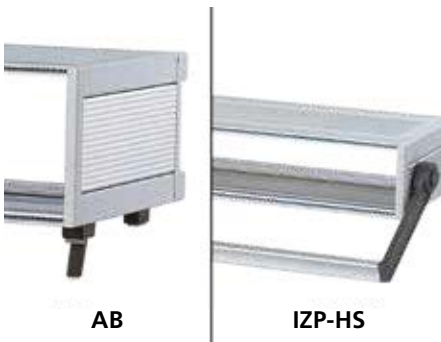
The 19" Interzoll Plus desktop enclosure system is compatible with the accessory components from the Interzoll product range.



Interzoll Plus has sheet steel covers on top and underneath. Different colours can be achieved by using powder lacquering.



The side parts consist of an anodised aluminium profile onto which the plastic covers for the enclosure screws can be snapped.



Optional tip-up feet or handles allow use as a desktop enclosure.

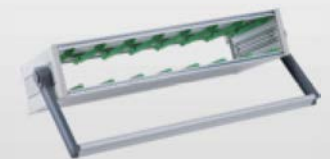


Interzoll Plus has integrated tip-up feet on the back, so in mobile use it can be securely positioned upright and rear exits are protected mechanically.



Quick-Finder:
www.bopla.de/29

Examples of use





BOPLA

A Phoenix Mecano Company

Interzoll Plus



Colour:

Enclosure:

● Light grey, similar to RAL 7035

Or natural color anodized, special colours on request

Protection class:

IP40 / DIN EN 60529

IP20 / DIN EN 60529 with ventilation (ADG...-L)

Material:

Profiles: Al Mg Si 0,5, anodized

Cover plates: sheet steel

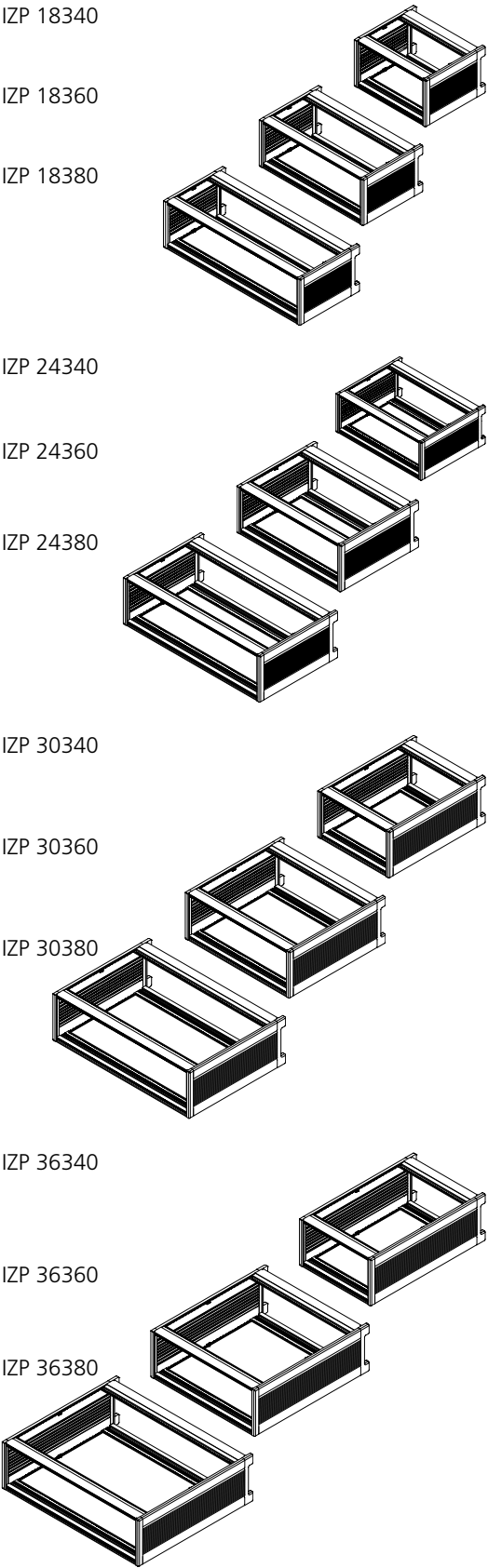
Plastic panels, covers: ABS / PVC V-1

For details see technical information.

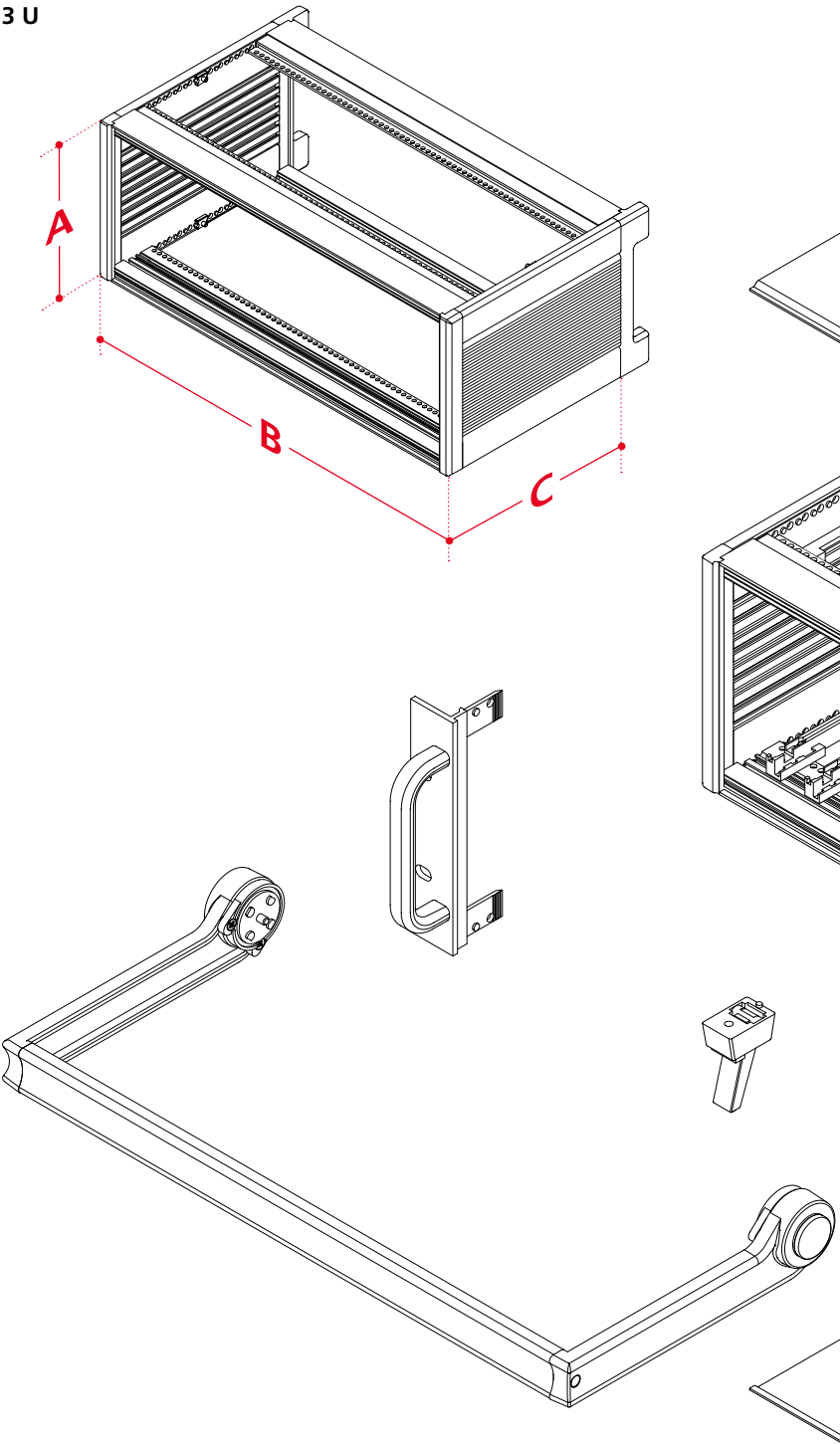


19"

Enclosure sizes



Design types



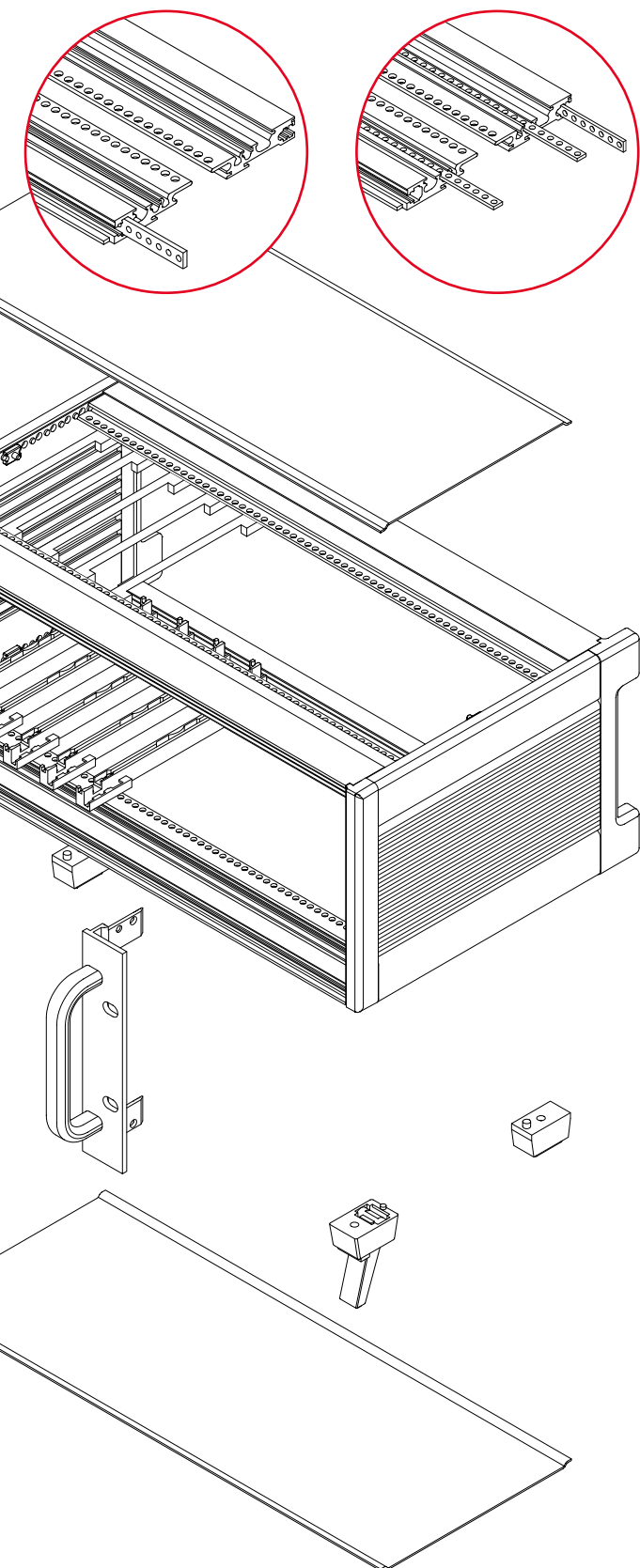
**BOPLA**

A Phoenix Mecano Company

Interzoll Plus

Tapped strips GS I

Tapped strips GS II



Dimensions

Model	A	B	C	HP
3 U				
Izp 18340	132.7	235.84	197.2	42
Izp 18360	132.7	342.52	197.2	63
Izp 18380	132.7	449.2	197.2	84
Izp 24340	132.7	235.84	257.2	42
Izp 24360	132.7	342.52	257.2	63
Izp 24380	132.7	449.2	257.2	84
Izp 30340	132.7	235.84	317.2	42
Izp 36360	132.7	342.52	317.2	63
Izp 30380	132.7	449.2	317.2	84
Izp 36340	132.7	235.84	377.2	42
Izp 36360	132.7	342.52	377.2	63
Izp 36380	132.7	449.2	377.2	84

Accessories



Card guide, one and three parts



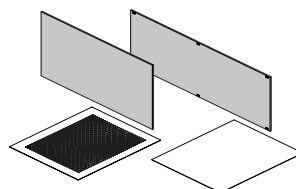
IZP-FL



IZP-FLG

Subrack flange, aluminium,
silver-coloured anodisedClamp profile sets for fitting of split
cover plates

Bus and rear profiles

Front and part front panels and cover
plates in different versions

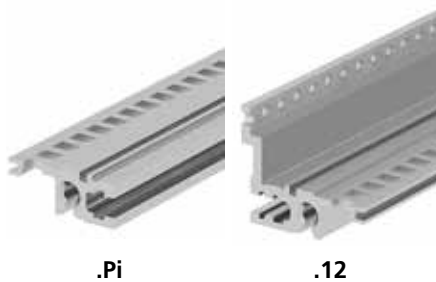
The product advantages



The subracks in the Interzoll Modul series have the option of continuous EMC screening. All enclosure components can be connected conductively by means of specially-matched EMC accessories.



Interzoll Modul provides a matching card guide for every situation – and with mechanical coding on request. To unlock, apply side pressure.



Versions for backplane technology (.Pi) for direct screw-on connectors (.12) acc. to DIN EN 60603-2, and for plug-in units acc. to IEC 60297-3-101.



Subracks and accessories with the BN designation are certified for use in buses and rail vehicles.



The support brackets are firmly pressed to the side panel to cope with extreme mechanical loads. All side panels are passivated and have a conductive function.



Quick-Finder:
www.bopla.de/85

Examples of use





BOPLA

A Phoenix Mecano Company

Interzoll Modul



Colour:

Anodized in natural color

Production class:

IP40 / DIN EN 60529

IP20 / DIN EN 60529 with ventilation (ADG...-L)

Material:

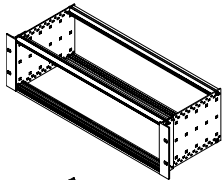
Profiles: Al Mg Si 0,5, anodized

For details see technical information.

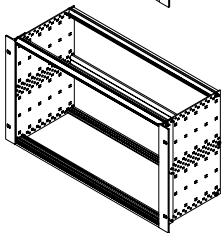


Enclosure sizes

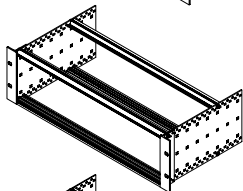
BGT M 18380



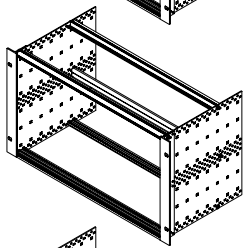
BGT M 18680



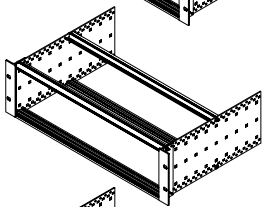
BGT M 24380



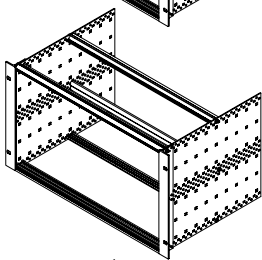
BGT M 24680



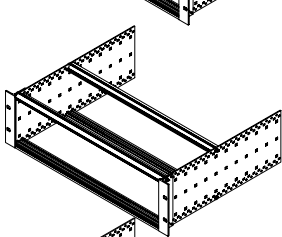
BGT M 30380



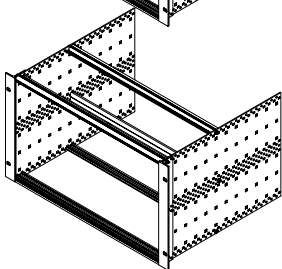
BGT M 30680



BGT M 36380

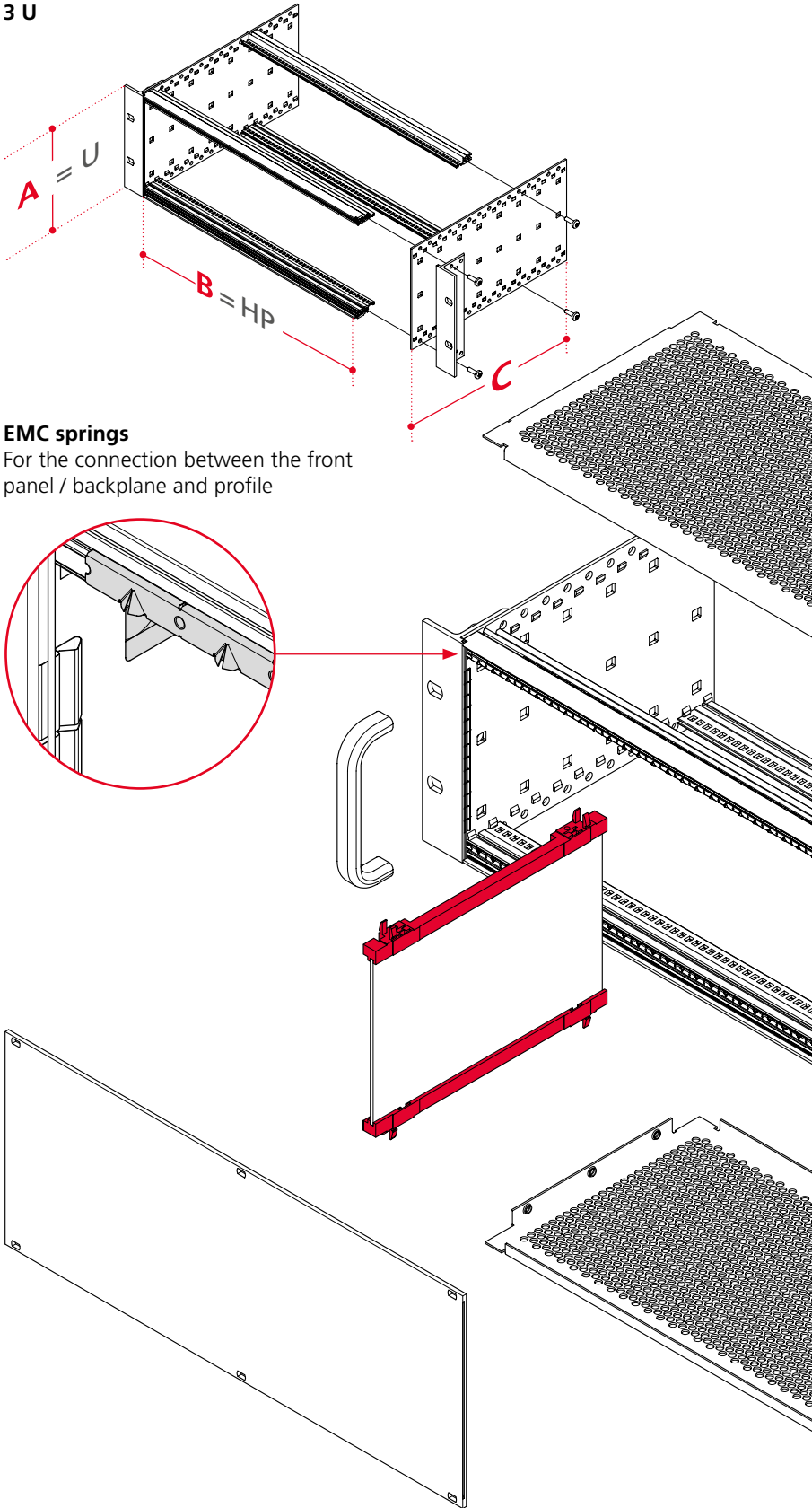


BGT M 36680



Design types

3 U

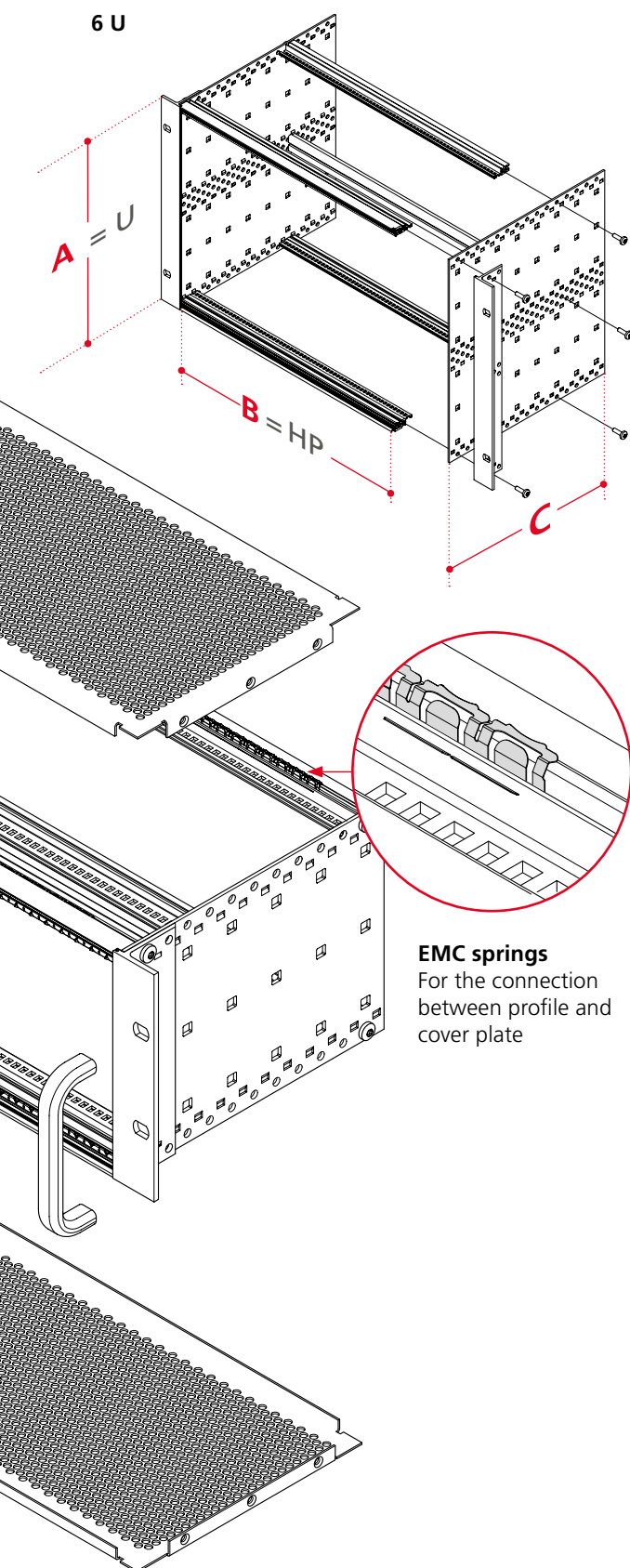


EMC springs
For the connection between the front
panel / backplane and profile

**BOPLA**

A Phoenix Mecano Company

Interzoll Modul



Dimensions

Model	A	B	C	HP
3 U For backplanes (.Pi) or connectors(.12)				
BGT / M 18340	132.5	269.24	178	42
BGT / M 24340	132.5	269.24	238	42
BGT / M 30340	132.5	269.24	298	42
BGT / M 36340	132.5	269.24	358	42
BGT / M 18360	132.5	375.92	178	63
BGT / M 24360	132.5	375.92	238	63
BGT / M 30360	132.5	375.92	298	63
BGT / M 36360	132.5	375.92	358	63
BGT / M 18380	132.5	482.6	178	84
BGT / M 24380	132.5	482.6	238	84
BGT / M 30380	132.5	482.6	298	84
BGT / M 36380	132.5	482.6	358	84
6 U For backplanes (.Pi) or connectors (.12)				
BGT / M 18640	265.9	269.24	178	42
BGT / M 24640	265.9	269.24	238	42
BGT / M 30640	265.9	269.24	298	42
BGT / M 36640	265.9	269.24	358	42
BGT / M 18660	265.9	375.92	178	63
BGT / M 24660	265.9	375.92	238	63
BGT / M 30660	265.9	375.92	298	63
BGT / M 36660	265.9	375.92	358	63
BGT / M 18680	265.9	482.6	178	84
BGT / M 24680	265.9	482.6	238	84
BGT / M 30680	265.9	482.6	298	84
BGT / M 36680	265.9	482.6	358	84

Accessories



Shielded rear hood



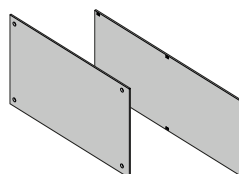
Card guide



Handles / Flanges



Various profiles e.g. front profiles, (double) bus profiles, rear profiles, double connector profiles, snap profiles, end profiles



Front and part front panels in different versions

The product advantages



The subracks in the Interzoll ranges are especially suitable for basic applications in which no measures are required for EMC screening. For EMC requirements we recommend the Interzoll Modul range.



Selected variants are equipped with aluminium profile single-piece side panels fitted with an integrated mounting flange. This guarantees a high level of mechanical stability coupled with excellent cost effectiveness.



Double profiles ensure fast, efficient mounting.



Subracks and accessories with BN designations are certified for use in buses and rail vehicles.



Locking of the card guides is by means of snap bolts which can easily be released by finger activation. Easy operation even when slot positions are close together.



Quick-Finder:
www.bopla.de/53

Examples of use



Interzoll

**Colour:**

Profiles aluminium, anodized in natural color

Protection class:

Up to IP40 / DIN EN 60529 to the built-in front

Material:

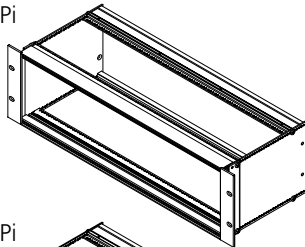
Profiles: Al Mg Si 0,5

For details see technical information.

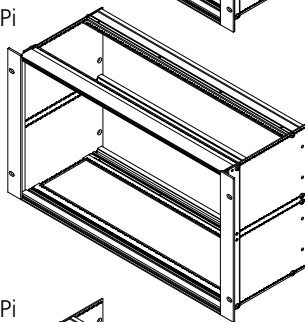


Enclosure sizes

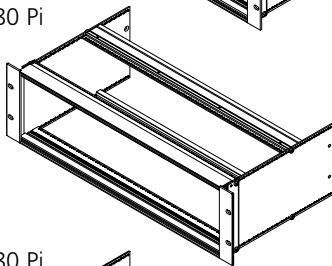
BGT M 18380 Pi



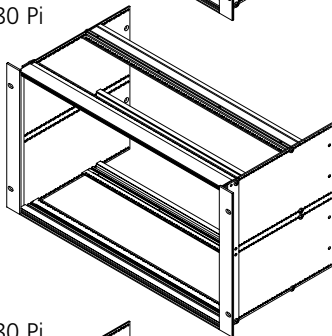
BGT M 18680 Pi



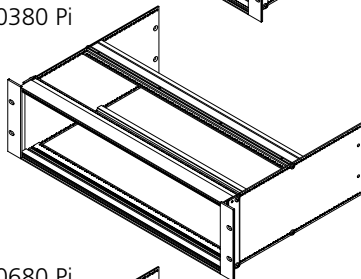
BGT M 24380 Pi



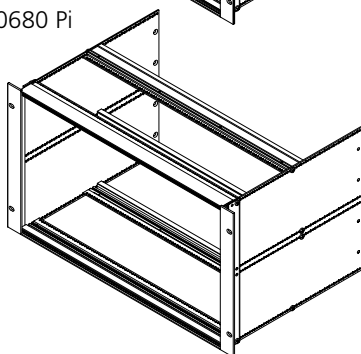
BGT M 24680 Pi



BGT M 30380 Pi

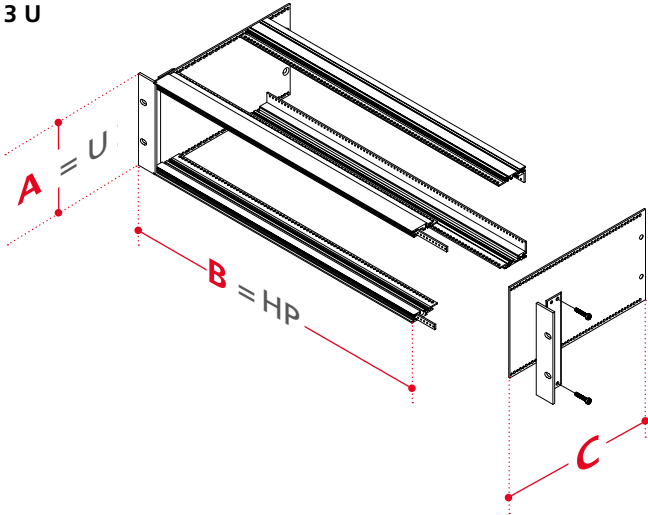


BGT M 30680 Pi



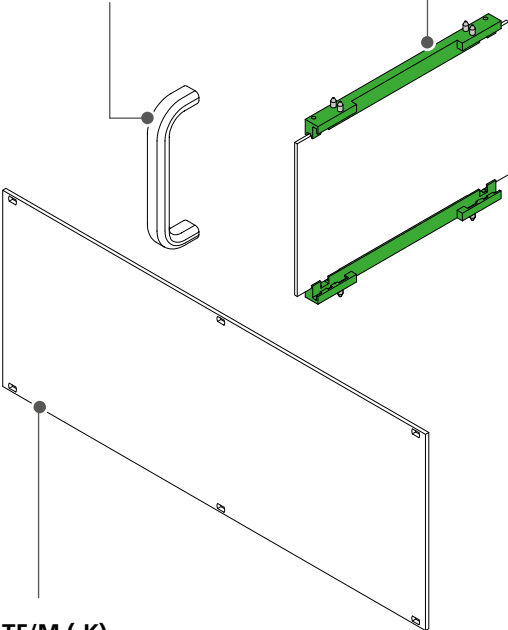
Design types

3 U

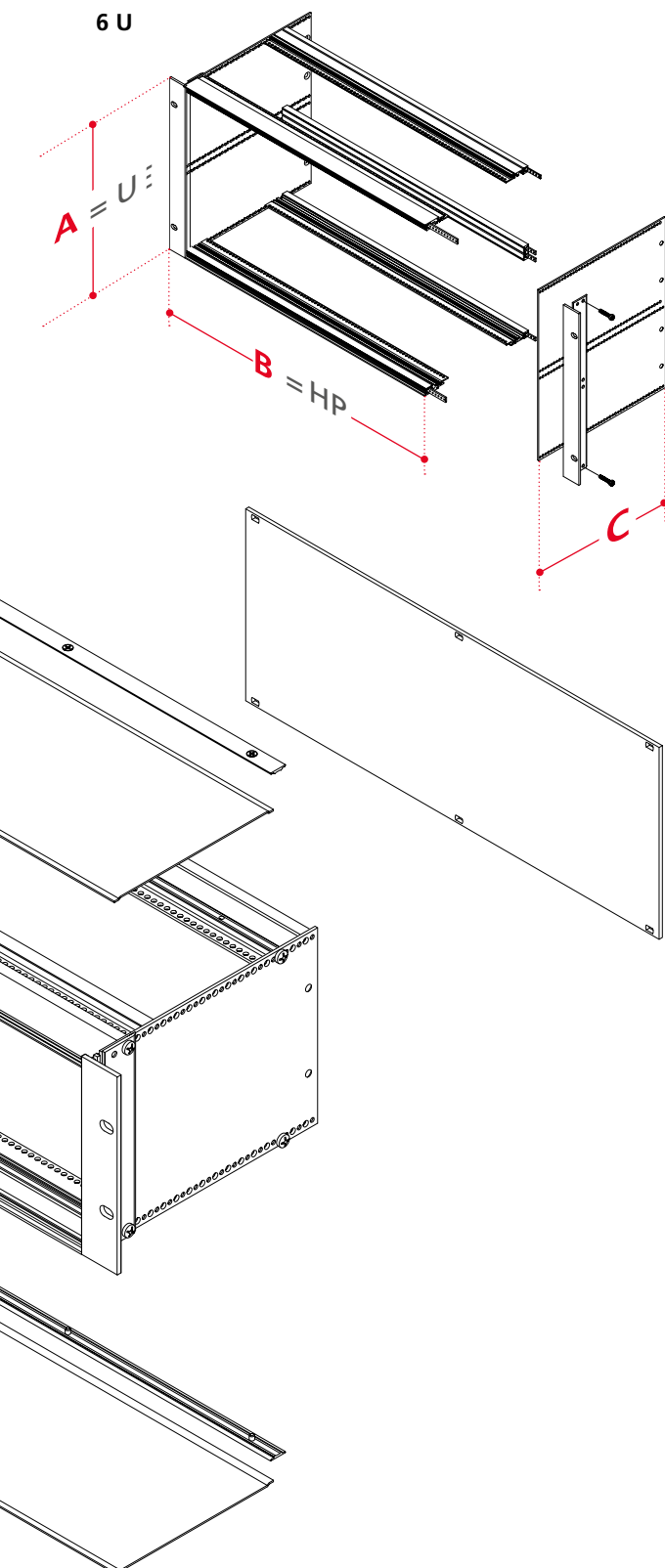


KF
Snap-in card guide
(screwable option)

GR
Handles for flanges



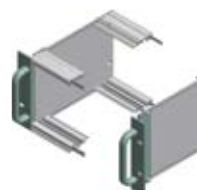
TF/M (-K)
Part front panels
(collapsible option)



Dimensions

Model	A	B	C	HP
3 U For backplanes (.Pi) or connectors (.12)				
BGT 18340	132.5	269.24	178.24	42
BGT 24340	132.5	269.24	238.24	42
BGT 30340	132.5	269.24	298.24	42
BGT 18360	132.5	375.92	178.24	63
BGT 24360	132.5	375.92	238.24	63
BGT 30360	132.5	375.92	298.24	63
BGT 18380	132.5	482.6	178.24	84
BGT 24380	132.5	482.6	238.24	84
BGT 30380	132.5	482.6	298.24	84
3 U With profile side panel for backplanes or connectors (BN 411 002)				
BGT 22340(-BN)	132.5	269.24	218.24	42
BGT 22360(-BN)	132.5	375.92	218.24	63
BGT 22380(-BN)	132.5	482.6	218.24	84
6 U For backplanes (.Pi) or connectors (.12)				
BGT 18640	265.85	269.24	178.24	42
BGT 24640	265.85	269.24	238.24	42
BGT 30640	265.85	269.24	298.24	42
BGT 18660	265.85	375.92	178.24	63
BGT 24660	265.85	375.92	238.24	63
BGT 30660	265.85	375.92	298.24	63
BGT 18680	265.85	482.6	178.24	84
BGT 24680	265.85	482.6	238.24	84
BGT 30680	265.85	482.6	298.24	84
6 U With profile side panel for backplanes or connectors				
BGT 22640	265.85	269.24	218.24	42
BGT 22660	265.85	375.92	218.24	63
BGT 22680	265.85	482.6	218.24	84

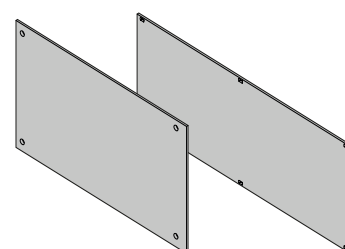
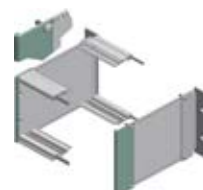
Accessories



Handles / Flanges



Various profiles e.g. front profiles, (double) bus profiles, rear profiles, double connector profiles, snap profiles, end profiles



Front and part front panels in different versions



Card guide, one and three parts

The product advantages



Interzoll Case is a series of tailor-made enclosures manufactured for specific projects and in sheet aluminium or steel using stamping and bending technology. Standard designs exist for manufacturing numerous enclosure types from 19" switch cabinet enclosures to elegant display enclosures.



Enclosure break-throughs and holders for PCBs are integrated in the enclosure directly during the production process. Later reworking is no longer necessary.



The standard designs are available for downloading as 3D-CAD files on www.bopla.de and could be manufactured directly as a "standard product". However, they can also be used as a basis for completely individual designs.



Many surface coatings and colours are available for the external design. Interzoll Case can be given an even more individual design by using printing (even under anodised surfaces).



Optional contact areas between the enclosure components ensure optimal EMC screening.



Quick-Finder:
www.bopla.de/28

Examples of use





BOPLA

A Phoenix Mecano Company

Interzoll Case



Colour:



Individually according to your specifications

Protection class:

Depending on the enclosure construction up to
IP40 / DIN EN 60529;
higher degrees of protection project-specific on request

Material:

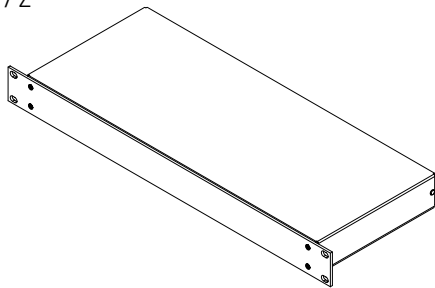
Individually manufactured; for example made of aluminum, steel or stainless steel. Other materials and surface coatings are always possible on request.

For details see technical information.

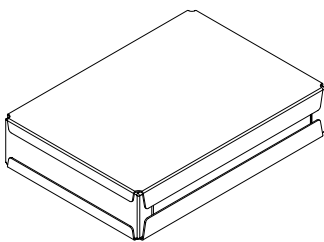


Housing shapes

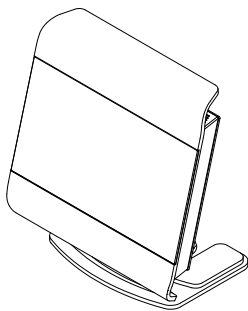
IC / Z



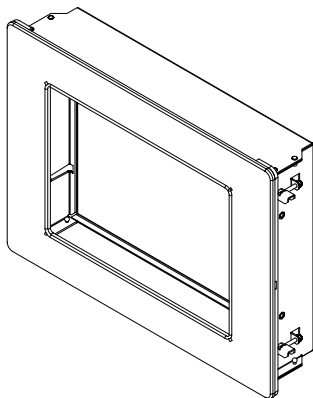
IC / P / T / H



IC / M-7

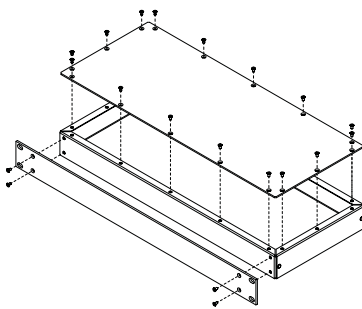


IC / E 10.1

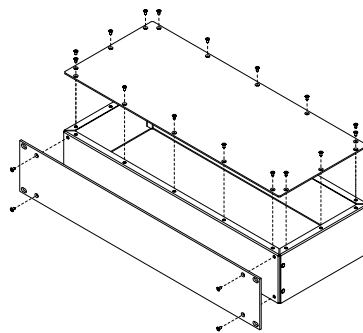


Design types

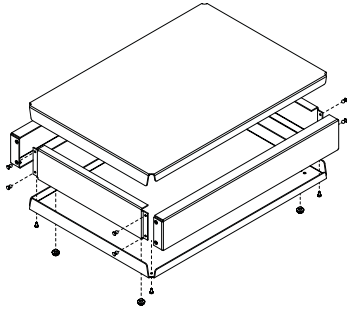
19" enclosure 1 U



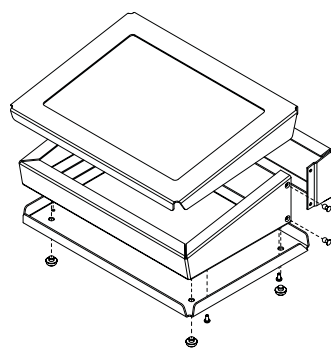
19" enclosure 2 U



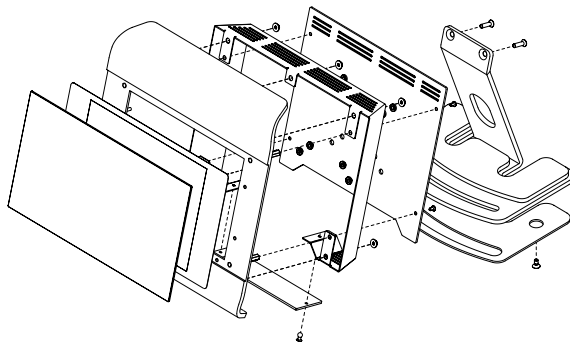
Desktop enclosures



Console enclosures

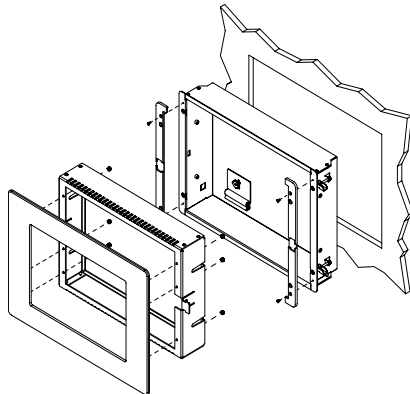


Monitor enclosures



Cavity wall installation enclosures

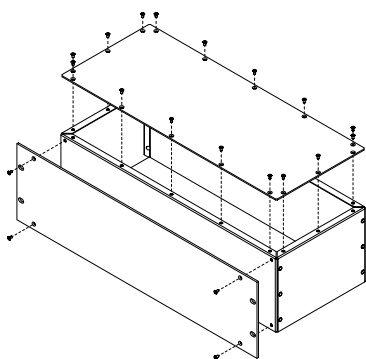
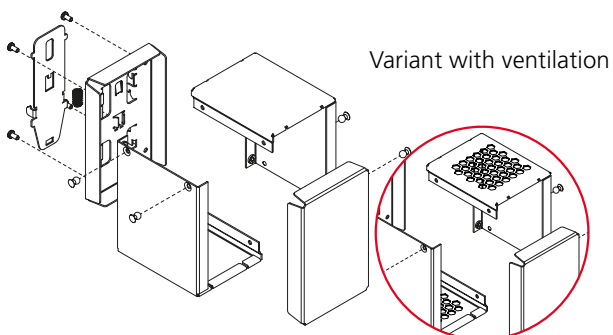
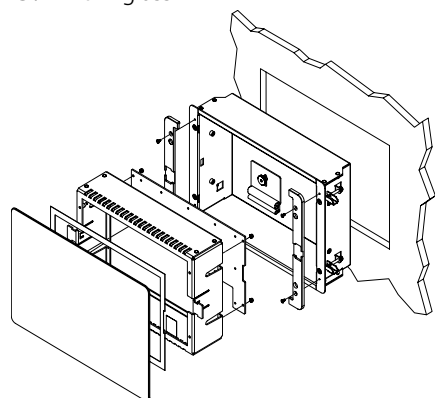
IC / E 10.1 panel



**BOPLA**

A Phoenix Mecano Company

Interzoll Case

19" enclosure 3 U**DIN rail enclosures****IC / E 10.1 glass**

Dimensions

Model	A	B	C
19" enclosures			
IC/Z 18180 (-EMC)	43.6	482.6	482.6
IC/Z 24180 (-EMC)	43.6	482.6	482.6
IC/Z 30180 (-EMC)	43.6	482.6	482.6
IC/Z 18280 (-EMC)	88.1	482.6	482.6
IC/Z 24280 (-EMC)	88.1	482.6	482.6
IC/Z 30280 (-EMC)	88.1	482.6	482.6
IC/Z 18380 (-EMC)	132.5	482.6	482.6
IC/Z 24380 (-EMC)	132.5	482.6	482.6
IC/Z 30380 (-EMC)	132.5	482.6	482.6
Console enclosures			
IC/P 180312	180	32	121.5
IC/P 180324	180	32	243
IC/P 180336	180	32	364.5
IC/P 220315	228	32	155
IC/P 220331	228	32	310
IC/P 220346	228	32	465
IC/P 260318	260	32	180
IC/P 260336	260	32	360
IC/P 260354	260	32	540
Desktop enclosure			
IC/T 280620	280	60	200
IC/T 280640	280	60	400
IC/T 281220	280	120	200
IC/T 281240	280	120	400
IC/T 281825	280	180	250
IC/T 281850	280	180	500
DIN rail enclosures			
IC/H 041118 (-L)	40	110	182.5
IC/H 081006 (-L)	80.5	102.5	63.5
IC/H 081013 (-L)	80.5	102.5	130
IC/H 101005 (-L)	100.5	102.5	51.5
IC/H 101605 (-L)	100.5	162.5	51.5
IC/H 161005 (-L)	160.5	102.5	51.5
Monitor enclosures			
IC/M 7"	266.4	245	164.6
IC/M 10.1"	309.8	305	209.6
Cavity wall installation enclosures			
IC/E 10,1" panel	398	297	75.5
IC/E 12,1" panel	428	335	75.5
IC/E 15,6" panel	536	366	85.5
IC/E 7,0" glass	248	173	75.5
IC/E 10,1" glass	308	215	75.5