



profiPANEL – multiPANEL – profiPLUS 50/70

Perfect design for machine building. Two HMI/command enclosure series and two suspension systems. Finally a design to enhance your machines. The symbiosis of flexibility and technical sophistication.

profiPANEL / multiPANEL / profiPLUS 50/70

Design HMI/command enclosure and suspension systems for modern



profiPANEL
PPD 150
 (Kombi 90/60)

multiPANEL
Display



2 HMI/command enclosure series, 2 suspension systems – the perfect symbiosis of design and technology.

Design is playing an increasingly important role in machine building. Our sophisticated product lines enable us to provide efficient solutions for modern machine building, from both a technical and design perspective.

profiPANEL Standard – an economic series of HMI/command enclosures, 90 mm deep. Four standard sizes are available at short notice. **From page 6**

profiPANEL – the modern HMI/command enclosure series available in 8 depths. Appealing design featuring anodised aluminium profiles. Made to measure. **From page 8**

multiPANEL – the premium HMI/command enclosure series available in 3 depths. Exclusive design featuring powder coated aluminium profiles with attractive stainless steel inserts. Made to measure. **From page 15**

profiPLUS 50/70 – the modern suspension arm system, combining design and technology in perfect symbiosis. Its appearance blends perfectly with the design of modern machinery. **From page 20**

profiPANEL / profiPANEL Standard

The economic HMI/control enclosure



profiPANEL Standard
10"-12"



profiPANEL PPD 90
with desk 60



“The aim of the development of profiPANEL was to create an economic and cost-efficient command enclosure with an attractive design, offering complete flexibility for every form of machine construction as standard.”

Matthias Rose

The key product features of profiPANEL Standard at a glance:

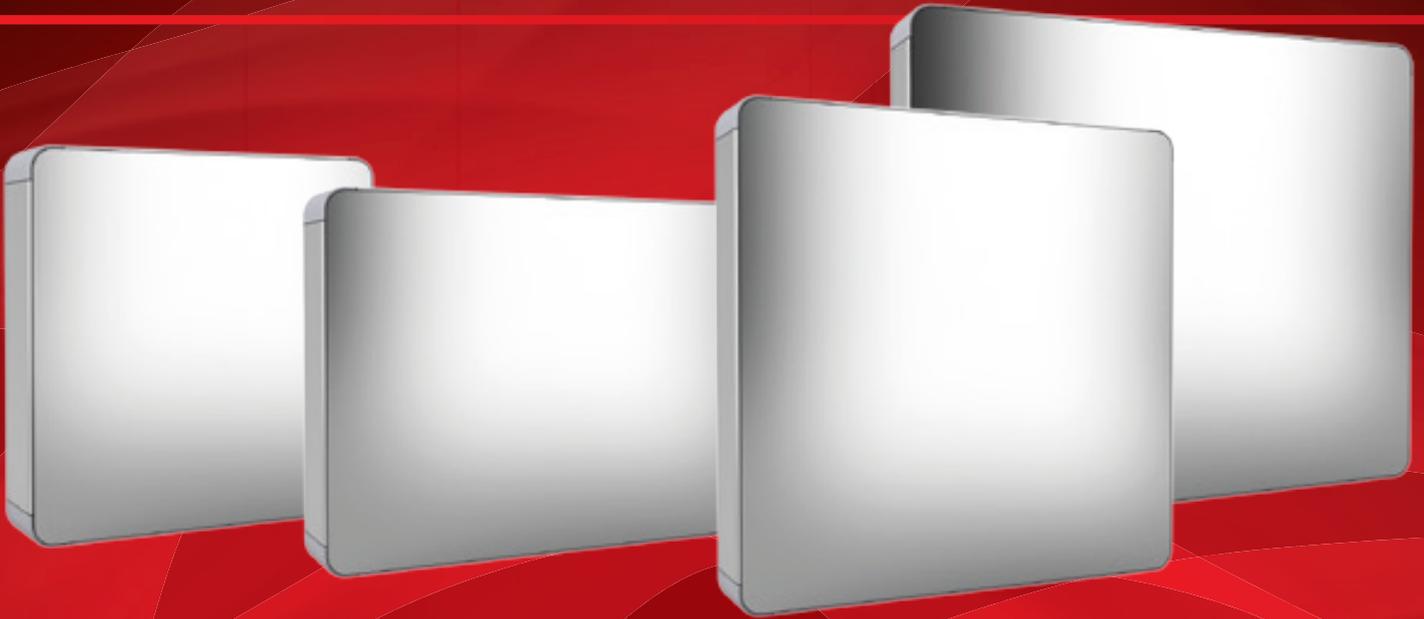
- Four economic standard sizes with locks and hinges (on the longer side) and with a depth of 90 mm; to fit panel PCs up to 21"
- Inexpensive alternative to standardisation
- Shorter delivery times as components are held in stock
- Customised machining of the front plate
- Ingress protection up to IP 65

The key product features of profiPANEL at a glance:

- Profile enclosure – manufactured to measure.
- Eight depths consisting of three basic profiles
- Minimalist design for modern machinery
- Customised machining of the front plate
- Direct access through doors with locks and hinges (on the longer side)
- High-quality material: anodised extruded aluminium profiles
- Ingress protection up to IP 65

profiPANEL Standard

The economic system in four standard sizes with customised front plate



The 90 mm cost-effective standard basic profile.

For everyone in a rush, who requires only a small batch size or who does not need millimetre-precise dimensions: "We have developed the "profiPANEL Standard" for these customers. Four standard sizes from a 90 mm basic profile with individually configurable front plate into which panel PCs and additional buttons or switches can be incorporated. The rear wall features locks and hinges on the longer sides. profiPANEL Standard is quickly available and affordable.

The benefits of "profiPANEL Standard" at a glance:

- Four economic standard sizes to fit panel PCs up to 21"
- Inexpensive alternative to standardisation
- Shorter delivery times as components are held in stock
- Customised machining of the front plate
- Ingress protection up to IP 65

profiPANEL Standard 10"-12"

331.090.AAA



For internal mounting of
10 to 12 inch*
usable space
355 x 355 mm
exterior dimensions
400 x 400 mm
Rear wall with locks
and hinges

profiPANEL Standard 12"-15"

331.090.BBB

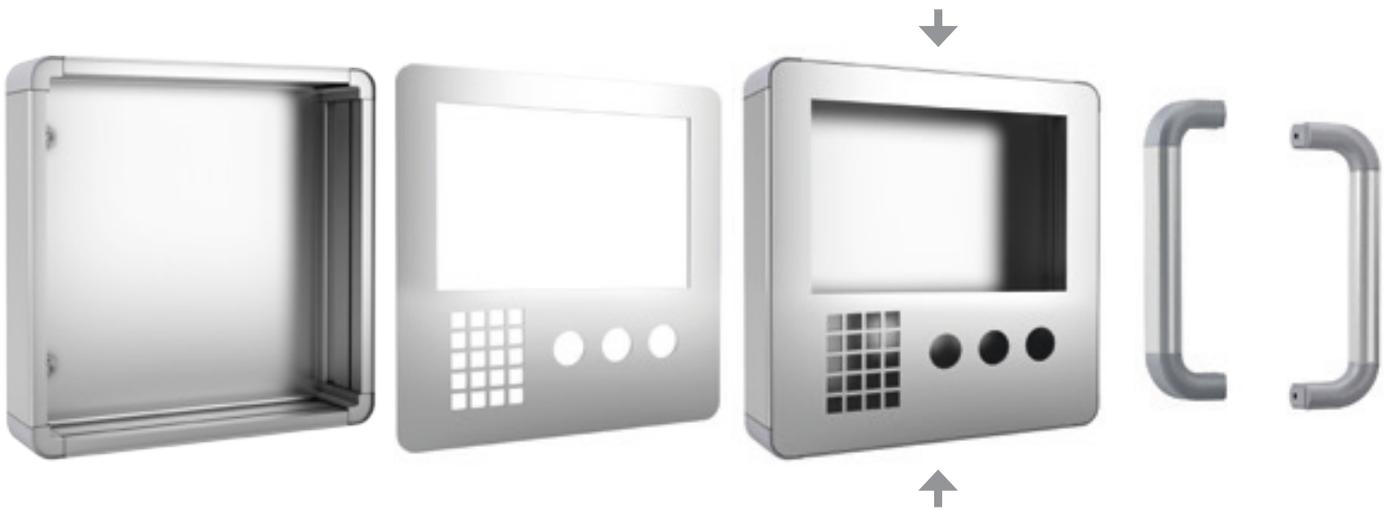


For internal mounting of
12 to 15 inch*
usable space
355 x 475 mm
exterior dimensions
400 x 520 mm
Rear wall with locks
and hinges

* **Note:** The internal mounting sizes for panel PCs are intended only as a guideline figure as the manufacturer's air circulation values also need to be taken into c

the customer can configure himself

Four simple steps to a perfectly coordinated, cost effective command enclosure:



1: Choose enclosure size based on the planned internal mounting.*

2: Specify desired front plate processing.

3: Determine position of suspension arm mounting.

4: Select optional profile handle(s). At the side or from underneath possible.

profiPANEL Standard 15"-17"



331.090.CCC

For internal mounting of 15 to 17 inch* usable space
475 x 475 mm
exterior dimensions 520 x 520 mm
Rear wall with locks and hinges

profiPANEL Standard 17"-21"



331.090.DDD

For internal mounting of 17 to 21 inch* usable space
475 x 555 mm
exterior dimensions 520 x 600 mm
Rear wall with locks and hinges

profiPANEL

The economic HMI and control enclosure – Enclosure depths

Three basic profiles – eight depths.

Thanks to the option of combining the three basic profile depths, profiPANEL enables a total of eight mounting depths to be provided for (PPD 150 is available, as required, as a basic profile or as a profile combination consisting of a 90 mm and a 60 mm basic profile). The connection of 60 or 90 mm deep desk (see next page) also offers additional options for extended internal mounting. Thanks to this wide range of depths, profiPANEL therefore enables almost every conceivable configuration for the internal mounting of components to be realised. The front of the profiPANEL system is made to measure and provides almost edgeless flush mounting of the front plate, which is permanently connected to the enclosure. Appropriate cut-outs for a display, switches and more are included in the service provided by ROLEC and are produced ex-works to meet customer specifications.



PPD 60 Basic

The 60 mm basic profile is manufactured as standard with a flush door with locks and exterior hinges (fitted to the vertical profiles of the enclosure as standard). Alternatively, a fully bolted rear wall can be specified.



PPD 90 Basic

The 90 mm basic profile is manufactured as standard with a flush door with locks and exterior hinges (fitted to the vertical profiles of the enclosure as standard). Alternatively, a fully bolted rear wall can be specified.



PPD 120 (Combi 60/60)

The 120 mm deep enclosure consists of a combination of two 60 mm basic profiles. It features locks and exterior hinges.



PPD 150 Basic

The 150 mm deep basic profile is manufactured as standard with a flush door with locks and exterior hinges (fitted to the vertical profiles of the enclosure as standard). Alternatively, a fully bolted rear wall can be specified.



PPD 210 (Combi 150/60)

The 210 mm deep enclosure consists of the combination of a 150 mm and a 60 mm basic profile. It features locks and exterior hinges.



PPD 150 (Combi 90/60)

The 150 mm deep enclosure consists of the combination of a 90 mm and a 60 mm basic profile. It features locks and exterior hinges.



PPD 240 (Combi 150/90)

The 240 mm deep enclosure consists of the combination of a 150 mm and a 90 mm basic profile. It features locks and exterior hinges.



PPD 180 (Combi 90/90)

The 180 mm deep enclosure consists of a combination of two 90 mm basic profiles. It features locks and exterior hinges.



PPD 300 (Combi 150/150)

The 300 mm deep enclosure consists of a combination of two 150 mm basic profiles. It features locks and exterior hinges.

profiPANEL

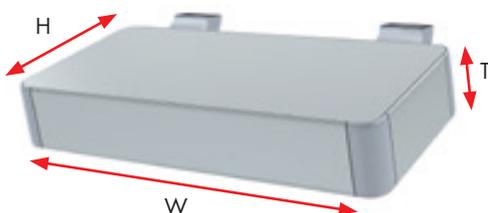
The economic HMI and command enclosure – Desk connection



When you simply need more.

Sometimes specific applications need specific solutions. A desk is a clever solution when there's not enough space in the command enclosure or you need additional buttons. The profIPANEL series therefore includes two desk models, 60 and 90 mm deep (D), for internal mounting. The desk is fastened under the basic profile of the command enclosure using the desk adapter, which forms part of the system. The adapter offers plenty of space (42 x 26 mm) for routing HDMI or DVI cables or network plugs.

The width (W) of the desk is automatically adapted to that of the command enclosure. The desk is 200 mm high (H) ex works. Non-standard dimensions are available on request. The rear wall of the desk is bolted on as standard.



The 60 and 90 mm desk versions are each fastened by two desk brackets to the basic profile of the command enclosure. Drill holes are made in the factory for fastening and for cable routing.

profiPANEL

The economic HMI and control enclosure – Accessories



Everything under control with coordinated accessories.

With a 60 mm enclosure depth, profiPANEL is the ideal control enclosure for operators. An ergonomically designed profile system is available for even more convenient handling, particularly with the deeper profile versions.

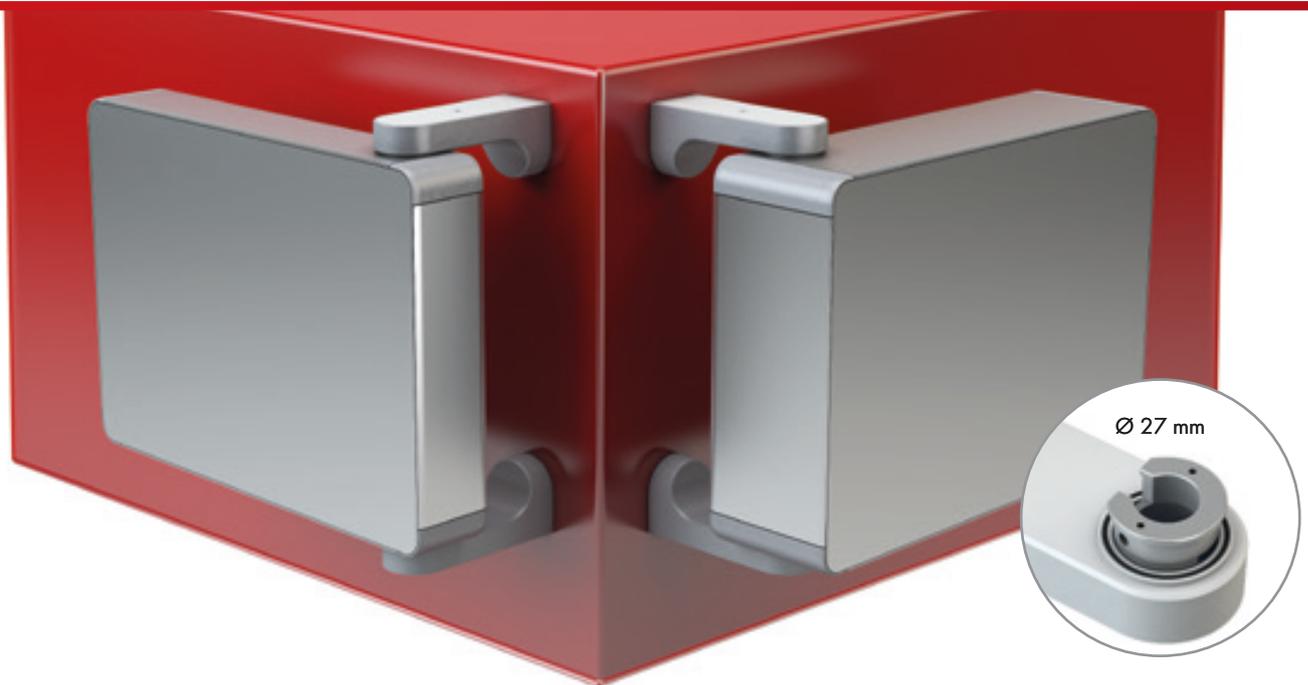
Accessories also include a 450-mm wide latching keyboard holder, which can be enhanced and/or extended by an additional mouse holder.



Practical: The 450-mm wide, latching keyboard holder and the matching mouse holder.

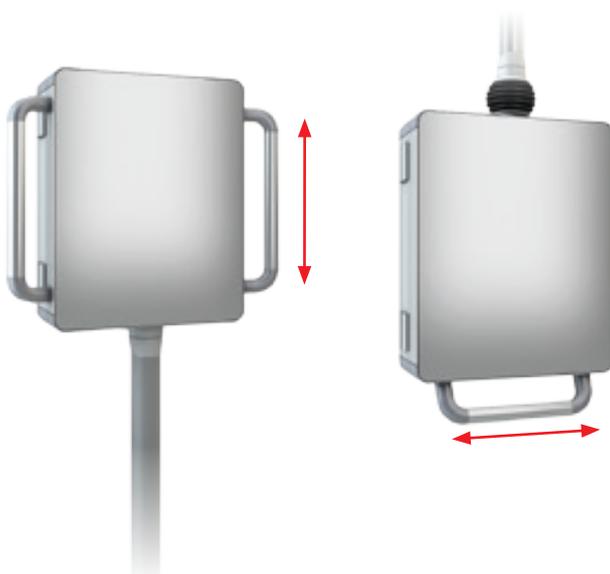


The keyboard holder can be easily adjusted. For optimum alignment of the keyboard and mouse holder.



The wall pivot mount with three options.

The practical wall pivot mount has adequate space ($\varnothing 27 \text{ mm}$) for routing cables through. It can be fixed, has a stop limit parallel to the wall and/or machine and can be fastened on the left or right side. It can also be used as a desk version. The maximum load-bearing capacity of the wall connection is 20 kg. One bracket, three options.



Design, technology, feel – the profiPANEL profile system:

The Designer profile handle system for profiPANEL control enclosures has been specially developed to blend with the design of the enclosure and also with the profiPLUS suspension arm system. The profile handles are concave and therefore ergonomically shaped. For perfect grip.

- Attach at the side (as a double profile handle), under the enclosure or on the front of the desk (as a single profile handle respectively)
- Ergonomic form – for a perfect feel
- Variable length (made to measure)
- Coating: PA corner pieces, similar to RAL 7035 light grey
Profile: Anodised aluminium

profiPANEL

The economic HMI and command enclosure – Product information

Type	Art. no.	Depth	Rear wall with hinge	Double-bit fastener	Bolted rear wall	Profile handle	Keyboard/mouse holder	Desk 60	Desk 90	Wall pivot mount
PPD 60 Basic	330.060.AAA	60	•	•	◦	◦	◦	◦		
PPD 90 Basic	330.090.AAA	90	•	•	◦	◦	◦	◦	◦	◦
PPD 120 (60/60)	332.120.AAA	120				◦	◦	◦		
PPD 150 Basic	330.150.AAA	150	•	•	◦	◦	◦	◦	◦	◦
PPD 150 (Combi 90/60)	332.150.AAA	150				◦	◦	◦	◦	◦
PPD 180 (Combi 90/90)	332.180.AAA	180				◦	◦	◦	◦	
PPD 210 (Combi 150/60)	332.210.AAA	210				◦	◦	◦	◦	
PPD 240 (Combi 150/90)	332.240.AAA	240				◦	◦	◦	◦	
PPD 300 (Combi 150/150)	332.300.AAA	300				◦	◦	◦	◦	

• Standard ◦ Optionally available

The external dimensions of profiPANEL measure a minimum of 150x150 mm and a maximum of 800x800 mm. When ordering, it is possible to specify the front plate width and height, the installation size of the panel PC (from 7"), or the exterior dimensions of the enclosure. Please specify the accessories you require with your enquiry/order. Use our enquiry form at www.rolec.de/en in the Download area of the profiPANEL product group.

Technical data

Enclosure/desk coating

Anodised silver

Front plate/desk coating

Anodised silver

Rear wall/desk coating

Anodised silver

Closure

Rear wall with locks and hinges

Ingress protection

Up to IP65 / EN 60529

OPTIONAL:

Rear wall

Bolted

Profile handle

Extruded aluminium profile, with plastic connection

Keyboard/mouse holder

Aluminium, powder coating, RAL 7035, light grey

Wall pivot mount



Our *passion* is enclosures.

multiPANEL

Designer command enclosure



multiPANEL

Designer command enclosures – perfect for the installation of HMI panels





“The aim with the development of multiPANEL was to create a high-quality premium enclosure with an attractive design, offering the flexibility of incorporating all modern control technology configurations.”

Matthias Rose

The key product features of multiPANEL at a glance:

- Two versions: Display and Command
- Minimalist, multi-variable design for modern machines
- Profile enclosure – manufactured to measure
- Three enclosure depths: 70, 85 and 130 mm
- Five front installation options
- Direct access possible with three door designs
- High quality materials: Extruded aluminium profiles, decorative inlays in brushed stainless steel
- Enclosures available in every RAL colour
- Customer-specific processing
- Ingress protection up to IP 65

multiPANEL

Designer command enclosures – perfect for the installation of HMI panels



**multiPANEL
Display**



**multiPANEL
Kommando**



**multiPANEL
Display**

The new flexibility.

Design is playing an increasingly significant role in machine building. multiPANEL command enclosures produced from aluminium profiles offer the combination of technical finesse and maximum flexibility, in conjunction with a highly advanced and urban design for modern machines. Thanks to the profile technology, multiPANEL can be produced in the customer's required width and height.

Two variants – for maximum flexibility

multiPANEL Display – is almost borderless and facilitates the full surface installation of front plates or glass fronts, e.g. with a touch function.

multiPANEL Kommando – the 22mm wide framework enables the direct installation of panel PCs, a front plate, as well as a combination of the two.

Three enclosure depths of 70, 85 and 130 mm offer maximum flexibility for every type of internal mounting.

multiPANEL

Designer command enclosures – front variants

Diversity: Five practical options for front installation.

As previously described, multiPANEL offers the option of integrating every conceivable application. The enclosure front of the »multiPANEL Display« facilitates the permanent installation of a front plate or glass front, e.g. for touch applications. Almost borderless, with flush installation and permanently connected with the enclosure. Suitable cut-outs for switches and more are included in the service provided by ROLEC, and are established in the production department in accordance with customer specifications.

It is possible to directly integrate the majority of commercially available built-in panels in the front of the »multiPANEL Kommando« enclosure. A small recess in the framework enables almost flush integration of the PC here. Furthermore, front plates can be inset in the frame from the front or the inside, and fastened in place with clamping pieces. The combination of direct panel installation and a part front plate is also possible.





**multiPANEL Kommando
for the direct installation
of a panel PC.**

Panel PCs, for example from Siemens, Beckhoff, etc., can be directly installed in the enclosure frame without additional accessories. Fastening takes place with the aid of the fastening clips supplied by the manufacturer.



**multiPANEL Kommando
with aluminium front plate
inset from the front.**

A front panel is inset flush in the enclosure frame. This is fastened to the frame with stays and clamping pieces. The front plate can be supplied blank or with processing to your requirements.



**multiPANEL Kommando
with internally inset
aluminium front plate.**

A front plate is inset in the enclosure frame from the inside. This is fastened to the frame with clamping pieces. The front plate can be supplied blank or with processing to your requirements.



**multiPANEL Display
with aluminium front plate.**

The most economical version in the range. The front plate is permanently connected with the enclosure body. It is fully mounted in the factory and is supplied inclusive of customer-specific processing.



**multiPANEL Display
for glass fronts.**

The glass front (e.g. for touch applications) is permanently connected with the enclosure body.

multiPANEL

Designer command enclosures – rear wall variants

Three enclosure depths: 70, 85 or 130mm. Depending on requirement.

With the flat multiPANEL 70 version, the rear wall is optionally available with a flush rear wall, which can be supplied as a fully bolted version or with hinges where required.

A robust, 15mm deep, framed door including double-bit fastener and internal hinges offers a greater installation depth and quick opening of the enclosure. This results in a multiPANEL enclosure depth of 85mm.

Furthermore, a 60mm deep framed door version is also available for an even greater enclosure depth, which is also equipped with a lock and internal hinges. The total depth with this version is 130mm. Internal equipment can also be mounted inside the door. If this is required by the customer, stays are fitted to the door ready for mounting the equipment.



The multiPANEL command enclosure can be fastened suspended and upright on a suspension system. Ideally suited for this is the practical panel coupling from the product family of the ROLEC designer suspension system profiPLUS 50.

Furthermore, the multiPANEL 70 with bolted flush rear wall is also particularly well suited for rear-side mounting on a suspension system with desk coupling.



multiPANEL with bolted, flush rear wall.

The bolted version enables the option of fastening to a suspension system (e.g. profiPLUS 50 or 70) with a desk coupling.



multiPANEL with bolted, flush door.

The bolted door is equipped with hinges and enables simple opening without completely removing the rear wall.



multiPANEL with 15mm deeper, framed door.

Equipped with internal hinges and double-bit fastener.



multiPANEL with 60mm deeper, framed door.

Equipped with internal hinges and double-bit fastener.

multiPANEL

Designer command enclosures – handles and holders



Design, technology, feel – the multiPANEL profile handle system:

The Design profile handle system for multiPANEL command enclosures has been specially developed to establish harmony with the enclosure design and with the profiPLUS suspension system. The profile handles are concave and therefore ergonomically shaped. For a perfect grip.

- Side-mounted (as double profile handle) or mounted below the enclosure (as a single profile handle)
- Ergonomic form – for a perfect feel
- Variable length (made to measure)
- Coating: Corner pieces in PA, similar to RAL 9005 deep black
Profile: Anodised aluminium



Perfect hold – with the ergonomic handle.

The ergonomic handle is particularly suitable for multiPANEL enclosures hanging on the suspension system. However, it can also be combined with almost all sizes of upright multiPANELs. On request, the stainless steel inlay can be optionally printed with your logo or that of your customer.

- Attached beneath the enclosure as a single handle
- Ergonomic form – for a perfect feel
- Coating: RAL 9005, deep black
Inlay: Brushed stainless steel

multiPANEL

Designer command enclosures – product information and accessories



For anyone who needs to get at the buttons.

With a 70 mm depth of enclosure, multiPANEL is the ideal command enclosure for operators. Even the accessories provide a degree of convenience. For instance, three keyboard holders and a mouse holder, which can be combined with the two large keyboard holders. A 380 mm wide version is available for smaller keyboards, and a 450 mm wide one

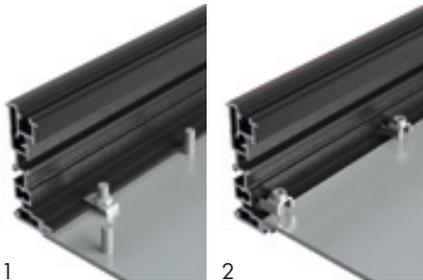
for standard keyboards. The latter is available in a rigid and a latching version, which is ideal if your support system is equipped with a tilting coupling. In this way it is possible to counteract the angled setting of the monitor, so that the keyboard also maintains an optimum position when the enclosure is tilted.



380mm wide, articulated keyboard holder,
450 mm wide, articulated keyboard holder,
450 mm wide, rigid keyboard holder,
Mouse holder - fits the 450mm holders.



The articulated keyboard holder is steplessly variable. For optimum adjustment of the keyboard and mouse holder.



The front plates of the 'Kommando' version are fitted in the framework with clamping pieces from the front (1) (Art.-Nr. 321.) or inside (2) (Art.-Nr. 322.).



For a further customised look, the body can be powder-coated in any chosen RAL colour. This lends the enclosure a completely individual appearance.

multiPANEL DISPLAY

	Type	Art. no.	Depth	Rear wall with hinge	Integrated hinges	Double-bit fastener	Handle	Keyboard/mouse holder	Wall bracket
	MPD 00 - bolted rear wall	320.000.AAA	70					o	o
MPD 11 - bolted door	320.110.AAA	70	•			o	o	o	o
MPD 15 - 15mm frame door	320.150.AAA	85		•	•	o	o	o	o
MPD 60 - 60mm frame door	320.600.AAA	130		•	•	o	o	o	o

multiPANEL KOMMANDO

	Type	Art. no.	Depth	Rear wall with hinge	Integrated hinges	Double-bit fastener	Handle	Keyboard/mouse holder	Wall bracket
	MPK 00 - bolted rear wall	321/322.000.AAA	70					o	o
MPK 11 - bolted door	321/322.110.AAA	70	•			o	o	o	o
MPK 15 - 15mm frame door	321/322.150.AAA	85		•	•	o	o	o	o
MPK 60 - 60mm frame door	321/322.600.AAA	130		•	•	o	o	o	o

• Standard o Optionally available

The external dimensions of multiPANEL are min. 150x150mm and max. 800x800mm (larger dimensions on request). When placing an order it is possible to specify the front plate width and height, the installation size of the panel PC (7") or the external dimensions of the enclosure.

Technical data

Enclosure coating

Powder coating, RAL 9005
Deep black, fine structure

Front plate coating

Anodised silver

Rear wall coating

Powder coating, RAL 9005
Deep black, fine structure

Approvals

UL-approved



Decorative inlay coating

Stainless steel inlay V2A

Closure

Bolted rear wall
(only MPD 00 and MPK 00)
Lock and hinge, black

Ingress protection

Up to IP65 / EN 60529

OPTIONAL:

Coating

Special colours

Handle

POM with stainless steel inlay V2A

profile handle

Extruded aluminium profile, with plastic connection

Keyboard/mouse holder

Aluminium, powder coating, RAL 9005 deep black, fine structure

Wall pivot mount

profiPLUS 50 & 70

Designer suspension system – the perfect complement to profiPANEL &

Design and technology
in perfect harmony





The most important product features at a glance:

- Numerous system components, highly versatile
- Possible to route connectors such as HDMI, DVI or network adapters
- Most couplings are equipped with pre-fitted support profile as standard
- Simple height adjustment with patented "screw adjustment"
- Comprehensive potential equalisation
- Integrated cable protection in all system parts
- Matching adapters for Siemens, Beckhoff, B&R and others
- Accessories: Signal light adapters for joint and elbow
- Ingress protection IP54

Use our practical suspension system configurator at www.rolec.de/en

profiPLUS

Designer suspension system – the perfect complement to profiPANEL &

An all-rounder for modern machines.

Support systems for enclosures and devices are always in view. Their appearance should harmonise with the design of modern machines. The technology must enable time-saving assembly with internal cable routing. Furthermore, additional equipment items such as comprehensive equipotential bonding and practical rotation limitation are important decision criteria.

For the pivoting elements of our support system profiPLUS we simply took the round, rotating earth as a template and realised a stable, diverse and aesthetically pleasing joint as the centre point. A complete suspension arm system with numerous intelligent components was developed around this round centre point. Naturally with adaptation options for panel PCs from leading manufacturers.



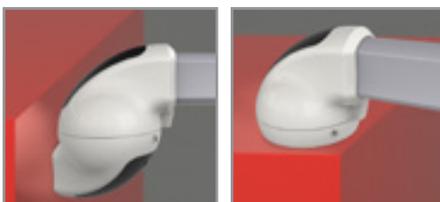


Smallest fastening dimensions – also for attaching to system profiles.

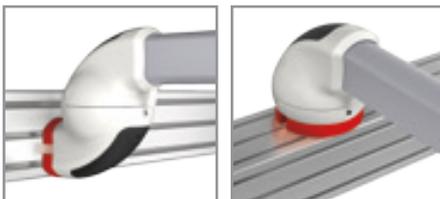
In order to also connect the profiPLUS 50 to small mounting surfaces and machines in an aesthetically elegant manner, we have developed the smart joint as a complement to the existing range. The simplest way of fastening is the direct attachment of the joint to the machine body, with our standard drilling pattern. You can optionally receive a small adapter plate for fastening to structural machine profiles, e.g. from ITEM, Bosch, or similar. This matches with the shape of the joint. An individually tailored universal adapter plate is available with your desired drilling pattern for larger drilling patterns.

The advantages at a glance:

- Smallest fastening dimensions possible (from 33 x 44 mm)
- Variable adapter plates available for accepting any existing drilling pattern
- Perfect harmony of system components and adjustment with your machine's mounting surface



The smart joints can be fastened directly to the machine's body. Thanks to the ROLEC standard drilling pattern, a minimal fastening surface is required.



Using an additional adapter plate, the smart joints can be perfectly fastened to structural machine profiles from e.g. ITEM or Bosch.



A universal adapter plate with your desired drilling pattern is available, for adapting an existing drilling pattern for both joints.



The wall connections for profiPANEL and multiPANEL can also be attached to system profiles.

profiPLUS 50 & 70

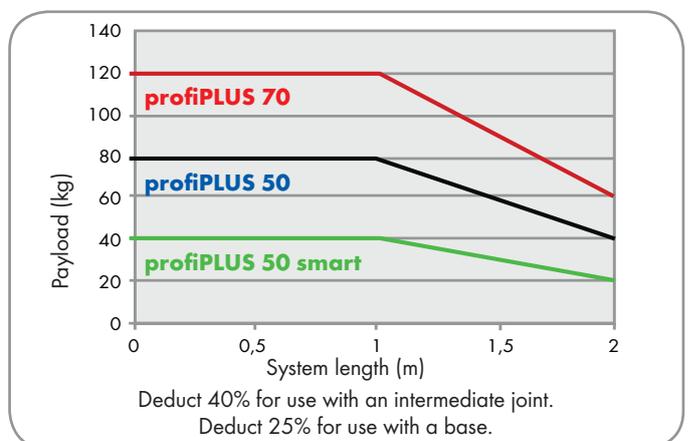
Designer suspension system – examples of the system configuration



Large or larger?

profiPLUS 50 is already an impressive sight. With extensive space for routing cables such as HDMI, DVI or network connectors. profiPLUS 70 offers even more room for further control lines. At the same time, the system's bearing strength increases significantly.

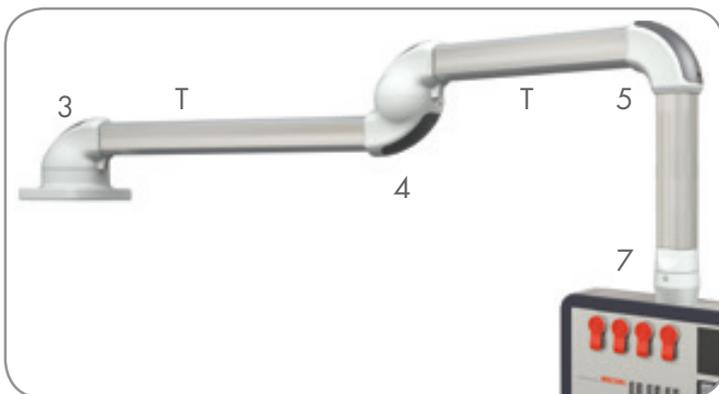
On request, the profiPLUS profiles are also available in anodised special colours or powder-coated, in order to achieve even greater harmony with modern machinery.



Thanks to its system diversity, profiPLUS offers a whole host of combination options for individual suspension arm configuration. The example variants presented here serve as orientation aids and examples of the diversity.

ROLEC's employees will be happy to advise you on the configuration of a suspension system tailored specifically to your requirements.

- | | | |
|--|--|--|
| 1 Panel coupling N (N = tilting)
incl. support profile, length is variable | 5 Elbow | 9 Elbow panel coupling N |
| 2 smart wall joint | 6 Base | 10 Mobile base |
| 3 Socket joint | 7 Panel coupling incl.
support profile, length is variable | 11 Roller set |
| 4 Intermediate joint | 8 Wall joint | 12 50/48 adapter |
| | | T Support profile, length is variable |



profiPLUS 50 & 70

Designer suspension system – well-thought out in every detail



Patented solution for rapid set-up and maximum use.

Put yourself in the position of the individual required to work with it: When developing profiPLUS, ROLEC simply sat itself in the customer's seat and thought about what was important. In addition to the aesthetics, also essential are rapid assembly and the fact that it is possible to integrate existing systems.

For this reason, the ROLEC designers have designed adapters suitable for connecting panels from leading manufacturers such as Siemens, Beckhoff and CRE Rösler. The »single screw adjustment« enables easy and practical alignment of the system with all horizontal joints.

Well-thought out standards offer many advantages – entirely without added costs.

Optional equipment extras according to requirement.



Many couplings available as standard with a fitted support profile.



Set screw system for setting any arbitrary pivot range.



Adapters for signal lights, e.g. from Werma (lights not included in the scope of supply).



Integrated potential equalisation for protecting both man and machine.



Standard integration of cable protection.



Reducer adapter from profiPLUS 70 to 50 for connecting smaller command enclosures.

profiPLUS 50

Designer suspension system – connection/compatibility with panel PC

SIEMENS adapter

142.024.000



The ROLEC Siemens adapter is simply bolted between the ROLEC coupling and the Siemens panel bracket. This is suitable for the following Siemens Pro panels: **IPC477D PRO 15" Touch**, **IPC477D PRO 19" Touch**, **Comfort Pro Series** and **IFP Pro Series**.

BECKHOFF adapter Ø 48

142.000.000



The ROLEC Beckhoff adapter is suitable for the following Beckhoff panel PCs: **CP32xx-0010 "Economy" PC Panel**, **CP37xx Multi-touch Panel PC** and **CP39xx-0010 Multi-touch Control Panel with CP Link 4**.

ROLEC-50/48 adapter

142.020.001 (including elbow)

142.024.100 (excluding elbow)



The profiPLUS 50/48 adapter elbow lets you adapt profiPLUS 50 to a 48 mm round tube and thus to many panel PC manufacturers. No additional coupling is needed.

B&R adapter Ø 48 / Ø 62.5
142.000.008



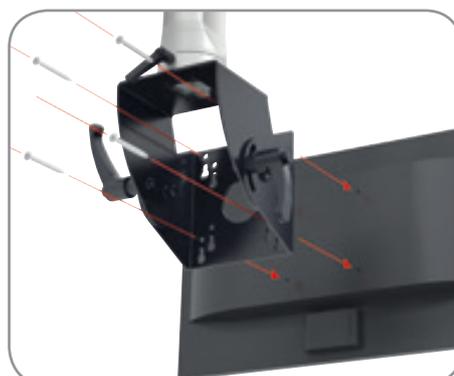
The rotating B&R adapter from Rolec can be used with the profiPLUS couplings: coupling, coupling N, elbow coupling and elbow coupling N, and therefore expands the rotational range of the B&R **Automation Panel 5000 Suspension Multi-touch or Single-touch** and **Panel PC 2100 Suspension Multi-touch or Single-touch** from 90° to 310°.

B&R adapter Ø 48 profile
142.000.003



The B&R adapter Ø 48 profile is an economical variant in all instances where it is possible to dispense with an expanded rotational range with the B&R **Automation Panel 5000 Suspension Multi-touch or Single-touch** and **Panel PC 2100 Suspension Multi-touch or Single-touch**. The adapter is fastened directly to the profiPLUS profile. The costs of an additional coupling are omitted.

VESA adapter
142.000.005



The profiPLUS 50 VESA adapter is the ideal connection for all panel PCs with a VESA drill template and also for most ROLEC control enclosures.

profiPLUS 50 & 70

Designer suspension system – adaption 70/50

Stability over great distance.

When it is necessary to bridge greater distances whilst also considering the load-bearing capacity, this can be realised with a simple aid: The profiPLUS adaption 70-50. In order to bridge the distance simply use a profiPLUS 70 suspension arm with wall or socket joint. Thanks to its high bearing strength, the profiPLUS 70 guarantees a stable horizontal system configuration.

Before the control enclosure is bolted onto one of the vertical profiPLUS 50 couplings, the adaption 70-50 is fitted. This reduces the profile size without a loss in bearing strength and therefore also enables the connection of small controls to a profiPLUS 50 enclosure coupling.





Our *passion* is enclosures.

profiPLUS 50

System components



profiPLUS 50

Designer suspension system – System components



Support profile
142.000.250 L = 250 mm
142.000.500 L = 500 mm
142.000.750 L = 750 mm
142.001.000 L = 1000 mm
142.001.500 L = 1500 mm
Fitted support profile (length L)
Extruded aluminium profile
silver anodised



Wall pivot mount
501.100.300
Fits profiPANEL PPD 90 Basic, PPD150 Basic and PPD150 (Combi 90/60)
RAL 7035

501.100.200
Fits all multiPANEL depths, RAL 9005
Range of rotation 138°,
Max. load-bearing capacity 20kg



Socket joint
142.005.000

Horizontal adjustment
Max. range of rotation 310°
RAL 7035/7016



Wall joint
142.010.000

Max. range of rotation 310°
RAL 7035/7016



Socket joint, vertical
142.005.001

Max. range of rotation 310°
RAL 7035/7016



Wall joint, vertical
142.010.001

Max. range of rotation 310°
RAL 7035/7016



smart socket joint
142.005.200

Max. range of rotation 310°
RAL 7035/7016

Matching product supplements:
Socket joint profile adjustment
Universal socket joint adjustment



Smart wall joint
142.010.200

Max. range of rotation 310°
RAL 7035/7016

Matching product additions:
Wall joint profile adjustment
Universal wall joint adjustment



Intermediate joint
142.015.000

Max. range of rotation 310°
RAL 7035/7016



Base
142.030.000

RAL 7035



Mobile base
142.030.150

RAL 9005
Including 4 adjustable feet
Expandable with roller set
Can be combined with upright couplings
Static load max. 50 kg



Roller set
501.142.000

black/grey
For fitting to mobile base.



Elbow
142.020.000

RAL 7035/7016



50/48 adapter
142.020.001 (including elbow)
142.024.100 (excluding elbow)
For connection of panel PCs with
Ø 48 mm round tube frame
RAL 7035/7016

We also supply a Ø 48 mm round tube in RAL 7035 from our taraPLUS suspension system



Coupling, upright
142.240.250 L = 250 mm
142.240.500 L = 500 mm
142.240.750 L = 750 mm
142.241.000 L = 1000 mm

Fitted support profile (length L)
Max. range of rotation 310°
RAL 7035



Coupling, hanging
142.250.250 L = 250 mm
142.250.500 L = 500 mm
142.250.750 L = 750 mm
142.251.000 L = 1000 mm

Fitted support profile (length L)
Max. range of rotation 310°
RAL 7035

profiPLUS 50

Designer suspension system – System components



Coupling N, upright

142.260.250 L = 250 mm
142.260.500 L = 500 mm
142.260.750 L = 750 mm
142.261.000 L = 1000 mm
Fitted support profile (length L)
Tilting 15° to the front
Tilting 35° to the rear
Max. range of rotation 310°
RAL 7035/7016



Coupling N, hanging

142.270.250 L = 250 mm
142.270.500 L = 500 mm
142.270.750 L = 750 mm
142.271.000 L = 1000 mm
Fitted support profile (length L)
Tilting 15° to the front
Tilting 35° to the rear
Max. range of rotation 310°
RAL 7035/7016



Elbow coupling, upright

142.034.000

Max. range of rotation 330°
RAL 7035/7016



Elbow coupling, hanging

142.035.000

Max. range of rotation 330°
RAL 7035/7016



Elbow coupling N, upright

142.036.000

Tilting 15° to the front
Tilting 35° to the rear
Max. range of rotation 310°
RAL 7035/7016



Elbow coupling N, hanging

142.037.000

Tilting 15° to the front
Tilting 35° to the rear
Max. range of rotation 310°
RAL 7035/7016



Desk coupling N, upright

142.280.250 L = 250 mm
142.280.500 L = 500 mm
142.280.750 L = 750 mm
142.281.000 L = 1000 mm
Fitted support profile (length L)
Tilting 15° to the front
Tilting 35° to the rear
Max. range of rotation 310°
RAL 7035/7016



Desk coupling N, hanging

142.290.250 L = 250 mm
142.290.500 L = 500 mm
142.290.750 L = 750 mm
142.291.000 L = 1000 mm
Tilting 15° to the front
Tilting 35° to the rear
Max. range of rotation 310°
Fitted support profile (length L)
RAL 7035/7016



Elbow desk coupling N, upright
142.038.000

Tilting 15° to the front
Tilting 35° to the rear
Max. range of rotation 310°
RAL 7035/7016



Elbow desk coupling N, hanging
142.039.000

Tilting 15° to the front
Tilting 35° to the rear
Max. range of rotation 310°
RAL 7035/7016



Panel coupling, upright
142.220.250 L = 250 mm
142.220.500 L = 500 mm
142.220.750 L = 750 mm
142.221.000 L = 1000 mm

Fitted support profile (length L)
Max. range of rotation 330°
RAL 7035



Panel coupling, hanging
142.230.250 L = 250 mm
142.230.500 L = 500 mm
142.230.750 L = 750 mm
142.231.000 L = 1000 mm

Fitted support profile (length L)
Max. range of rotation 330°
RAL 7035



Panel coupling N, upright
142.310.250 L = 250 mm
142.310.500 L = 500 mm
142.310.750 L = 750 mm
142.311.000 L = 1000 mm

Fitted support profile (length L)
Tilting 15° to the front
Tilting 35° to the rear
Max. range of rotation 310°
RAL 7035/7016



Panel coupling N, hanging
142.300.250 L = 250 mm
142.300.500 L = 500 mm
142.300.750 L = 750 mm
142.301.000 L = 1000 mm

Fitted support profile (length L)
Tilting 15° to the front
Tilting 35° to the rear
Max. range of rotation 310°
RAL 7035/7016



Elbow panel coupling, upright
142.040.000

Max. range of rotation 330°
RAL 7035/7016



Elbow panel coupling, hanging
142.041.000

Max. range of rotation 330°
RAL 7035/7016

profiPLUS 50

Designer suspension system – System components



Elbow panel coupling N, upright

142.042.000

Tilting 15° to the front
Tilting 35° to the rear
Max. range of rotation 310°
RAL 7035/7016



Elbow panel coupling N, hanging

142.043.000

Tilting 15° to the front
Tilting 35° to the rear
Max. range of rotation 310°
RAL 7035/7016



70/50 adaptation

143.000.001

For reducing from
profiPLUS 70 to 50
RAL 7035



VESA adapter

142.000.005

Coupling for VESA 75 and 100
Maximum load 20 kg
RAL 9005



SIEMENS adapter

142.024.000

RAL 7035



Beckhoff adapter Ø 48

142.000.000

RAL 7035



B&R adapter Ø 48 / 62.5

142.000.008

Max. range of rotation 310°
RAL 7035



B&R adapter Ø 48 profile

142.000.003

RAL 7035

Socket joint profile adjustment

142.024.300



RAL 7035

Fits with smart socket joint for attaching structural machine profiles, e.g. from ITEM or Bosch

Wall joint profile adjustment

142.024.200



RAL 7035

Fits with smart wall joint for attaching structural machine profiles, e.g. from ITEM or Bosch

Universal adjustment Socket joint

142.026.XXX



RAL 7035

Fits with smart socket joint for adapting existing drilling patterns

Universal adjustment wall joint

142.025.XXX



RAL 7035

Fits with smart wall joint for adapting existing drilling patterns

Signal light adaptation

Wall joint, socket joint,
Intermediate joint
142.020.501



Elbows, elbow couplings,
Elbow desk couplings
142.020.502

RAL 7016

Technical data

System components

Die cast aluminium, RAL 7035 light grey

Covers

Plastic (POM), RAL 7016 anthracite grey

Bellows

PVC-P, 30°C to +70°C
RAL 7016 anthracite grey

Support profile

Extruded aluminium profile, silver anodised
Fastening thread preformed

Gasket

Chloroprene (CR), -30°C to +90°C

Ingress protection

IP54 / EN 60529

Potential equalisation

DIN EN 60204-1 / VDE 0113-1

Patented

Alignment of the complete system structure
in a horizontal direction with a set screw

OPTIONAL:

Coating

Special colours for system elements
and support profiles

Matching command enclosures

profIPANEL, multiPANEL, commandCASE,
topVISION, multiVISION, aluFACE

profiPLUS 70

System components



The majority of couplings in the profiPLUS 70 system are equipped with a profile of the desired length in the factory. Profiles are required exclusively as a connection between the remaining system parts.



Support profile

- 143.000.250 L = 250 mm
 - 143.000.500 L = 500 mm
 - 143.000.750 L = 750 mm
 - 143.001.000 L = 1000 mm
 - 143.001.500 L = 1500 mm
- Support profile (length L)
Extruded aluminium profile,
silver anodised

Socket joint

143.005.000

Horizontal adjustment
Max. rotating range 310°
RAL 7035/7016



Socket joint, vertical

143.005.001

Max. rotating range 310°
RAL 7035/7016



Wall joint

143.010.000

Max. rotating range 310°
RAL 7035/7016



Wall joint, vertical

143.010.001

Max. rotating range 310°
RAL 7035/7016



Intermediate joint

143.015.000

Max. rotating range 310°
RAL 7035/7016



Base

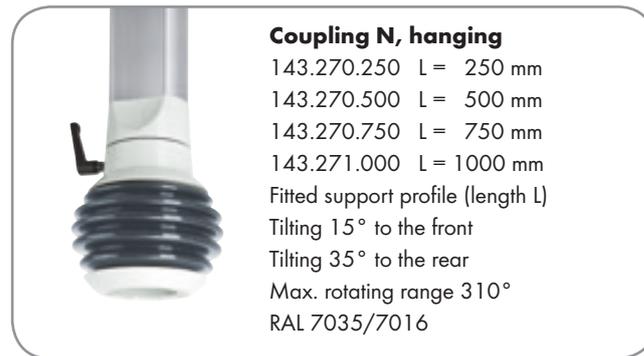
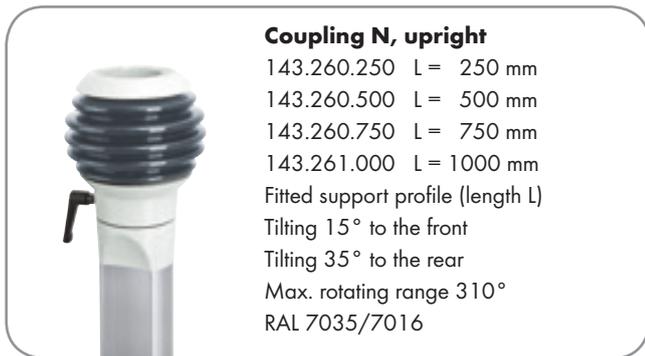
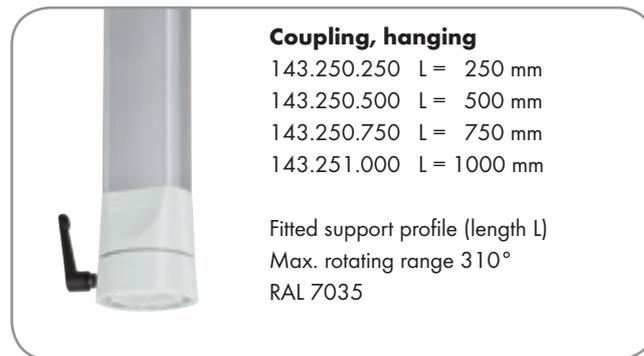
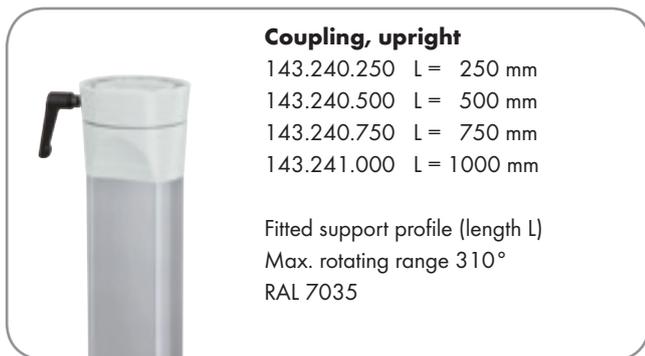
143.030.000

RAL 7035



profiPLUS 70

Designer suspension system – System components





Elbow coupling N, upright
143.036.000

Tilting 15° to the front
Tilting 35° to the rear
Max. rotating range 310°
RAL 7035/7016



Elbow coupling N, hanging
143.037.000

Tilting 15° to the front
Tilting 35° to the rear
Max. rotating range 310°
RAL 7035/7016



Desk coupling N, upright
143.280.250 L = 250 mm
143.280.500 L = 500 mm
143.280.750 L = 750 mm
143.281.000 L = 1000 mm
Fitted support profile (length L)
Tilting 15° to the front
Tilting 35° to the rear
Max. rotating range 310°
RAL 7035/7016



Desk coupling N, hanging
143.290.250 L = 250 mm
143.290.500 L = 500 mm
143.290.750 L = 750 mm
143.291.000 L = 1000 mm
Fitted support profile (length L)
Tilting 15° to the front
Tilting 35° to the rear
Max. rotating range 310°
RAL 7035/7016



Elbow desk coupling N, upright
143.038.000

Tilting 15° to the front
Tilting 35° to the rear
Max. rotating range 310°
RAL 7035/7016



Elbow desk coupling N, hanging
143.039.000

Tilting 15° to the front
Tilting 35° to the rear
Max. rotating range 310°
RAL 7035/7016

Technical data

System components

Die cast aluminium, RAL 7035 light grey

Cover

Plastic (POM), RAL 7016 anthracite grey

Bellows

PVC-P, (-30°C to +70°C)
RAL 7016 anthracite grey

Support profile

Extruded aluminium profile, silver anodised
Fastening thread preformed

Gasket

Chloroprene (CR), (-30°C to +90°C)

Ingress protection

IP54 / EN 60529

Potential equalisation

DIN EN 60204-1 / VDE 0113-1

OPTIONAL:

Coating

Special colours for system elements and support profiles

Matching control enclosures

profiPANEL, multiPANEL, commandCASE, topVISION, multiVISION, aluFACE

Personal service for everyone

We support and advise all our customers individually. Regardless of



Expert advice

Everything begins with individual advice. We'll be pleased to support you with your project and find solutions for every requirement. Customer-specific solutions are our speciality.



Sample service

Test our products with your internal mounting. We'll be pleased to send you a sample enclosure for inspection with no strings attached.



Drilling

We'll manufacture every enclosure for you according to your exact specifications – whether they involve precise drilling or large tolerance.



Mil

Thanks to our modern technology, we can quickly produce custom-fit cut-outs in your exact specifications.



Powder coating

We can powder coat enclosures, command enclosures and suspension systems in any RAL colour you desire. Custom colours are of course also possible.



Painting

We can also paint all our enclosures in any RAL colour you desire. The application of primer and special colour structures are possible, as well.



Serigraphy

If desired, we can apply your logo and lettering or other markings using serigraphy printing.



Digital

Digital printing is perfect for low-volume order realising complex parts.



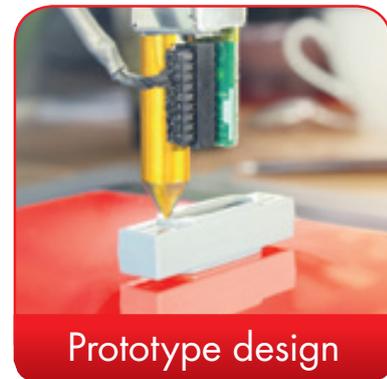
EMC enclosures

We offer our conFORM low-price standard EMC enclosure to protect your internal mounting against electromagnetic radiation. On request, we can also supply an EMC-compliant version of any other ROLEC enclosure.



Displays

We are able to offer the right made-to-measure display for all our enclosures – in varying sizes and degrees of robustness depending on the application.



Prototype design

We will visualise your ideas in the planning and development stage, making them tangible. As initial samples for tests or the basis for developing applications.



Special

If you need a plastic special material like ASA (Luran S) – no problem. We'll be pleased to produce a series for you, too.

whether for an individual item or series production.



ing

in CNC produc-
and efficiently mill
d contours to match
tions.



Engraving

Our services also include engraving your
logo and other elements, which we can of
course perform in any colour you desire.



Lasering

We can process stainless steel enclosures
and plates quickly and reliably accord-
ing to your individual requirements thanks
to our in-house lasering centre.



Assembly

Would you like to have all your compo-
nents supplied already assembled?
No problem. Our assembly team will be
pleased to perform all assembly work on
your behalf.



printing

rticularly worthwhile
s and for
terns or images.



Accessories

ROLEC's portfolio also includes matching
front plates, mounting plate, supporting
rails and terminal blocks as well as a
range of cable glands, blanking plugs
etc.



Membrane keypads

We'll be glad to design customised
membrane keypads and attach them in
accordance with your requirements.



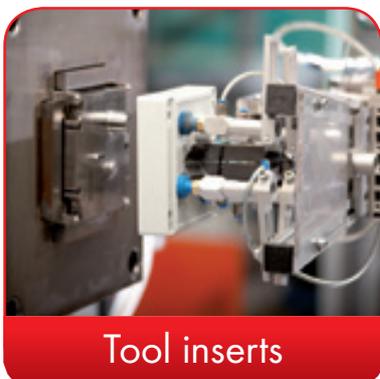
Digital print films

Custom accessories that we can produce
and assemble for you also include
display foils.



materials

enclosure in a
polycarbonate or
problem.
produce limited



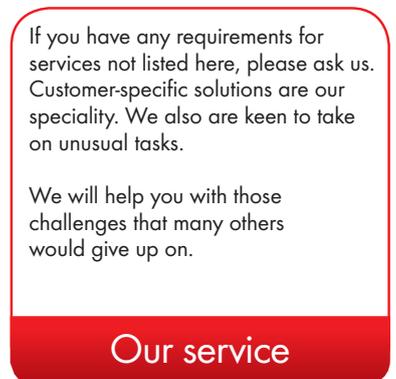
Tool inserts

Our standard tools can accommodate
interchangeable inserts in the most
frequently used interfaces - allowing
modifications to be made. This means that
special requests can be realised quickly,
reliably and affordably.



Special tools

Our specialists will be pleased to discuss
your customised enclosure design for
enclosures and enclosure parts produced
in large volumes. We can also realise the
most unusual project designs quickly and
according to your requirements.



Our service

If you have any requirements for
services not listed here, please ask us.
Customer-specific solutions are our
speciality. We also are keen to take
on unusual tasks.

We will help you with those
challenges that many others
would give up on.

The ROLEC product portfolio

Enclosures, mobile control enclosures, command enclosures, suspens

■ Aluminium enclosures

■ Stainless steel enclosures

■ Mobile control enclosures

■ Command enclosures

■ ABS enclosures

aluDISC



- Fastening of the enclosure without opening the lid
- Dimensions from 110x97x55 mm to 190x179x90 mm
- IP 66, IP 67/EN 60529

aluCLIC



- World-first quick-change enclosure
- Dimensions from 130x90x70 mm to 200x130x70 mm
- IP 66, IP 67/EN 60529

aluSMART



aluTWIN



- Two-chamber design with separate connection spaces
- Dimensions from 166x100x55 mm to 240x240x103 mm
- IP 66/EN 60529

conFORM



- Inexpensive and robust EMC enclosure
- Dimensions from 79x84x44 mm to 268x168x100 mm
- IP 66/EN 60529

aluKOM



taraPLUS



- Enhanced static characteristics
- Simple alignment of the system
- Simple cable installation
- IP 54/EN 60529

QUADRO



- Stable system for the greatest loads
- Highly durable
- Aluminium/spheroidal graphite iron combination
- IP 54/EN 60529

inoCASE A2 / A4



handCASE



- Highly robust hand held enclosures
- 4 versions, dimensions from 80x180x42.4 mm to 100x220x62.4 mm
- IP 66, IP 67/EN 60529

mobilCASE



- Profile enclosures
- 3 standard widths in 2 versions respectively
- 1-part profile IP 65
- 2-part profile P 54/EN 60529

aluDISPLAY



commandCASE



- Economical command enclosure with design handles
- Dimensions from 230x200x120 mm to 430x300x120 mm
- IP 66/EN 60529

topVISION



- Sheet steel body with aluminium framework
- Dimensions from 300x200x201 mm to 600x400x251 mm
- IP 66/EN 60529

aluFACE



technoDISC



- Round design enclosure made from ASA+PC
- Dimensions from 110x97x55 mm to 190x179x90 mm
- IP 66/EN 60529

technoCASE



- Multi-variable enclosure produced from ABS and polycarbonate
- Dimensions from 80x80x60 mm to 360x240x160 mm
- IP 66, IP 67/EN 60529

technoBOX



polyKOM



- Robust, weather-resistant polyester enclosure
- Dimensions from 80x75x55 mm to 400x405x120 mm
- IP 65/EN 60529

polyTOP



- Modular enclosure from weather-resistant polyester
- Dimensions from 82x82x60 mm to 404x404x160 mm
- IP 66/EN 60529

Cable glands



ion systems

■ Polyester enclosures

■ Suspension systems

■ Cable glands

aluCASE



- Fastening of the enclosure without opening the lid
- Dimensions from 75x50x33 mm to 330x200x120 mm
- IP 66, IP 67/EN 60529

aluPLUS



- Design enclosure with technical finesse
- Dimensions from 125x84x59 mm to 260x160x90 mm
- IP 66/EN 60529

aluNORM



- Versatile combination universal enclosure
- Dimensions from 50x65x40 mm to 640x320x120 mm
- IP 66/EN 60529

profiPLUS 50 & 70



- Design suspension system with numerous components
- Equipotential bonding
- Simple installation and adjustment/alignment
- IP 54/EN 60529

inoCASE A2 / A4 mini



- Patented single-channel technology – more space inside
- Dimensions from 100x70x50 mm to 200x90x60 mm
- IP 66, IP 67/EN 60529

inoBOX A2 / A4



- High quality stainless steel enclosure made from A2 / A4
- Dimensions from 100x100x90 mm to 430x300x120 mm
- IP 66, IP 67/EN 60529

multiPANEL



- Design command enclosure produced from aluminium profiles
- Dimensions from 150x150x70 mm to 800x800x130 mm
- Up to IP 65 / EN 60529

profiPANEL



- Design command enclosure produced from aluminium profiles
- Dimensions from 150x150x60 mm to 800x800x300 mm
- Up to IP 65 / EN 60529

multiVISION



- 2 versions, numerous variation options
- To the precise millimetre per customer wishes
- Dimensions from 800x800x360 mm
- IP 65/EN 60529

starCASE



- Aesthetically shaped ASA+PC design enclosure
- Dimensions from 120x90x50 mm to 280x170x60 mm
- IP 66/EN 60529

technoPLUS



- Premium enclosure produced from high quality ASA
- Dimensions from 130x90x70 mm to 270x170x90 mm
- IP 66, IP 67/EN 60529

polyDOOR



- Stable polyester enclosure with folding lid
- Dimensions from 140x120x100 mm to 320x200x120 mm
- IP 66/EN 60529

- Discrete screw fastening 'from the rear'
- Dimensions from 130x90x70 mm to 200x130x70 mm
- IP 66/EN 60529

- The ORIGINAL enclosure from inventor Friedhelm Rose
- Dimensions from 50x45x30 mm to 600x310x110 mm
- IP 66/EN 60529

- Fastening without holes in the sealed space
- Dimensions from 140x110x60 mm to 430x300x120 mm
- IP 66, IP 67/EN 60529

- Variable display and operating enclosures for flat modules
- 3 profile sizes, 180, 240 and 300 mm
- IP 54/EN 60529

- Economical with diverse variation options
- 6 variants, dimensions from 120x120x80 mm to 640x320x135 mm
- IP 66/EN 60529

- Elegant standard enclosure produced from ABS
- Dimensions from 66x51x35 mm to 241x1610x80 mm
- IP 66/EN 60529

- Range of materials, appropriate for the enclosures
- IP 54, IP 55, IP 65, IP 66, IP 68, IP 69K
- Further accessories such as blanking plugs, front plates, etc.

You can find detailed information about all products and our company on our website www.rolec.de/en

Welcome to the inventor of the industrial enclosure

A family business with a long tradition and aware of its responsibility



The ROLEC principle: Technical perfection with top quality.

We use our inventiveness and great expertise to develop and produce enclosures, command enclosures and suspension systems for industrial applications.

Our company founders, Friedhelm and Matthias Rose, are pioneers of enclosure technology. Sophisticated design and maximum customer benefits are our primary focus. It is for this reason that we ensure our products are of top quality.

We are a medium-sized family company, steering our global business from the German headquarters in Rinteln an der Weser. ROLEC offers you industrial enclosures produced from aluminium, stainless steel, LURAN

and ABS, as well as command enclosures and suspension systems. We offer a wide range of standard sizes, as well as customer-specific tailored solutions.

Full service enclosure

One of our particular strengths is machining components to be ready for installation. Using our high-tech machine park, we modify the enclosures to be ready for installation according to our customers' wishes. We can deliver the finished products at short notice and „just in time“ on request. You'll learn more on the following pages.

closure

- learn more about us



Our *passion* is enclosures.



Welcome to the ROLEC family

In 1967, Friedhelm Rose invented the first sealed aluminium enclosure for industrial applications. He subsequently went on to develop numerous innovations, which revolutionised the enclosure market. Together with his son Matthias and daughter Betty, he founded ROLEC in 1986. Today, some 100 employees work here to ensure pioneering new developments, supreme product quality and top customer service.

At home around the world

Quality Made in Germany – wherever you are in the world

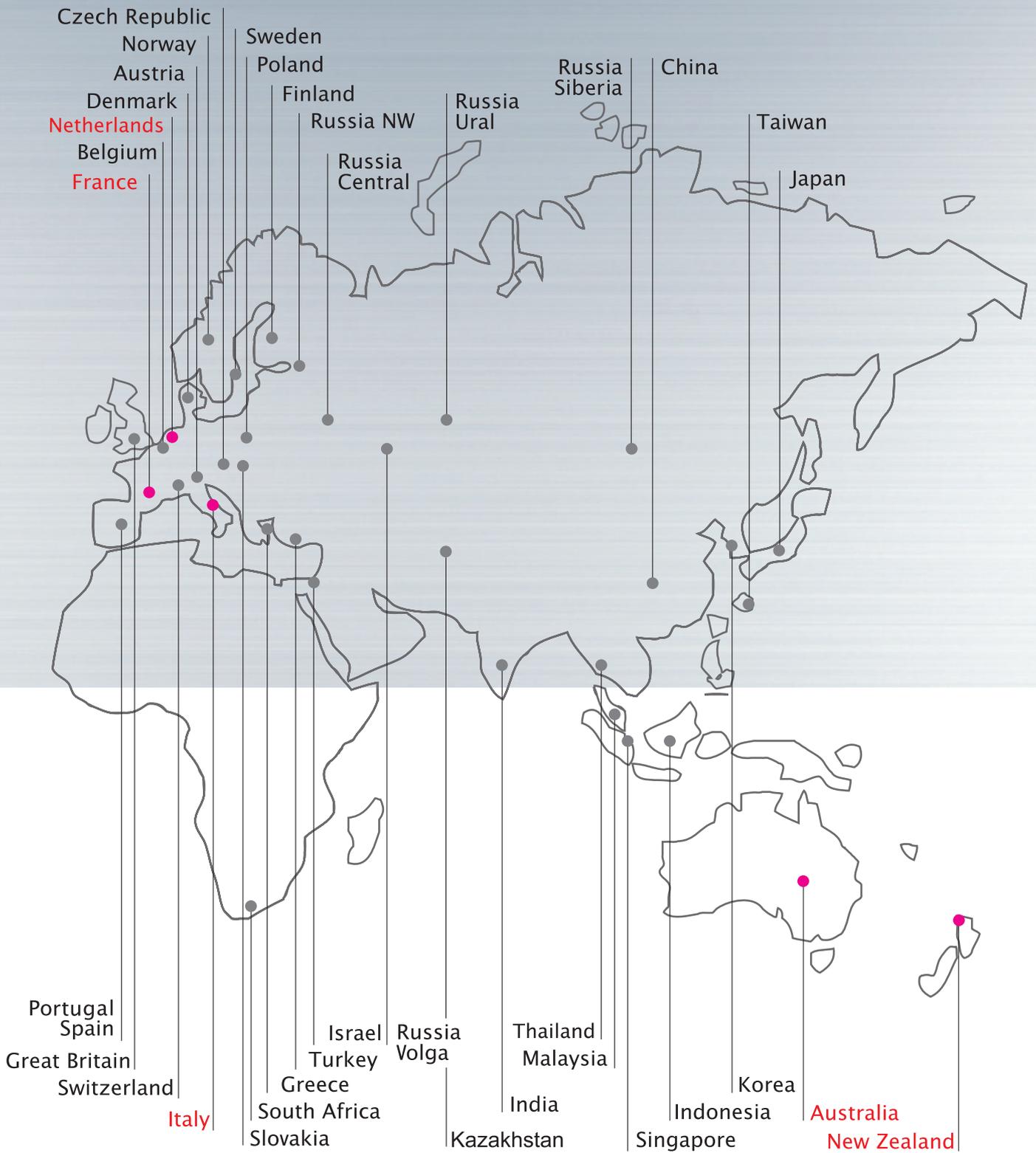


Global sales.

ROLEC is present with its products and services wherever you are in the world. In a number of countries, we have our own subsidiaries. In others, we cooperate with long-standing partners. And if you cannot find your country on the map, simply contact us at our headquarters in Germany. We'll be pleased to hear from you!

● = ROLEC subsidiaries

● = Distribution partner





Our passion is enclosures.



ROLEC
Gehäuse-Systeme GmbH
Kreuzbreite 2
D-31737 Rinteln

Fon +49 (0) 5751 4003-0
Fax +49 (0) 5751 4003-50
info@rolec.de
www.rolec.de

