



Our *passion* is enclosures.



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ENCLOSURE WORLD



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Please fold out.

COMPLETE CATALOGUE

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COMPLETE CATALOGUE 

ROLEC®

www.rolec.de

ROLEC.

Present on the world's markets.

International distribution partners in 35 countries



Our passion is enclosures.

REFERENCES



www.rolec.de



Our passion is enclosures.

Aluminium enclosures



Polyester/ABS enclosures



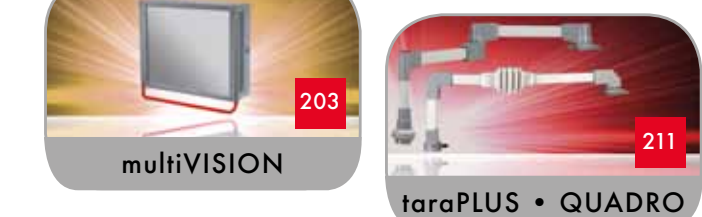
Hand held and display enclosures



Command enclosures



Suspension systems



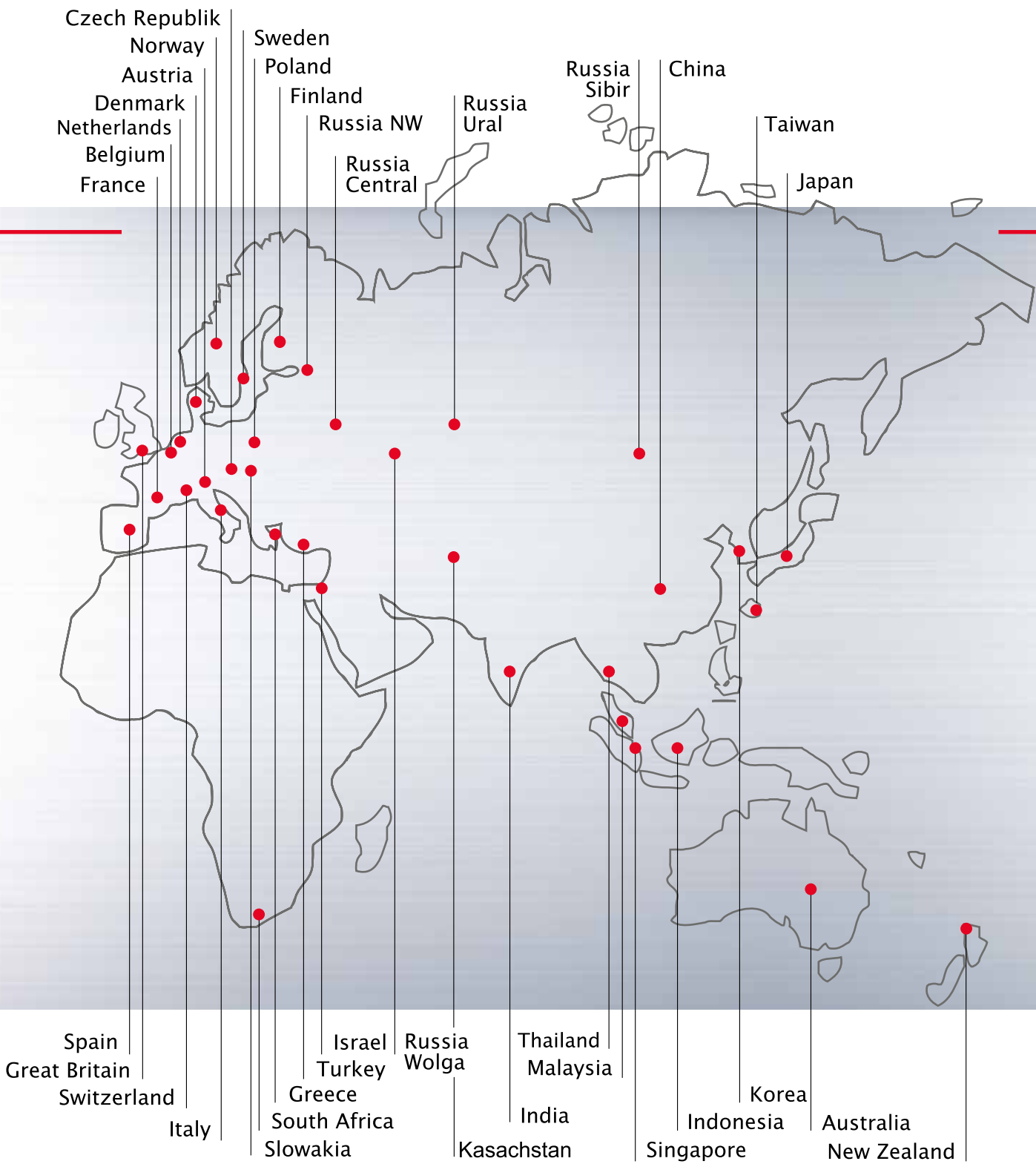
Accessories



Example order „aluCASE“
Type: ACF 112 + ST + S + etc.

- A** External mounting (feet)
- A** External mounting (brackets)
- B** Block terminal support
- C** Coloured design covers
- D** Silicon enclosure gasket
- DA** Alu design covers
- DH** Lid support
- DP** POM design covers
- DV** Double-bit fastener
- EM** Installation kit
- EMV** Shielding
- F** Front plate self-adhesive
- FE** Window
- H** Hand screw
- HS** Hold hinges
- I** Handle system
- ID** Integrated lid supports
- IN** Captive allen screw
- IS** Internal hinges
- J** Handle
- L** Corrosion proof coating RAL5009
- L** P.C.B. support for cards
- M** Mounting plates
- P** Sealing set
- 67** Ingress Protection IP 67
- 69K** Ingress Protection IP 69K
- Q** Cross rail
- RS** Back panel with hinge
- S** Hinges
- SF** Snap feet
- ST** Insert lock
- T** Supporting rails for series terminals
- TF** Feet
- V** Slotted head screw/fastener
- W** Triangular screw/fastener
- X** Collar-head screw/fastener
- Y** Lever fastener
- Z** Lever fastener with lock

Our *passion* is enclosures.



ROLEC.

40 years of innovation tradition

1969
Friedhelm Rose founded
ROSE Elektrotechnik.

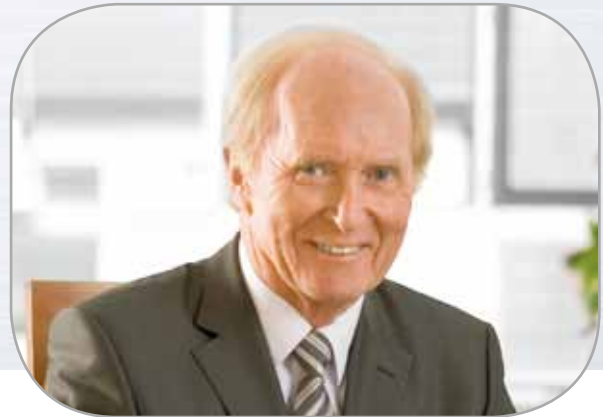
1970
Invention and development
of the first standard enclosure
principle in the world (the most
sold even today): aluKOM.

1990
Daughter Bettina Rose
strengthens management of the
family company.

1996
Invention and patenting of the
EMC enclosure
system conFORM.

Friedhelm Rose
Inventor and entrepreneur
Pioneer of enclosure technology

**“ROLEC aims to lead
the development and
implementation of new
enclosure concepts”.**



Modern enclosure technology is measured against ROLEC. The ROLEC founder is the pioneer of enclosure technology. Finished enclosure systems for the protection of electrics and electronics have only existed since Friedhelm Rose came upon the idea. 1970. His first enclosure system became the standard: aluKOM. It is still produced and utilised around the world today. The name of its inventor became the brand name: ROSE. ROLEC has the longest proven know-how in the development and production

of enclosures for machinery and vehicle manufacturing, aircraft production, the chemical industry, the energy sector, medical engineering, the military sector... . Right up until today. Always in the closest possible proximity to practical applications and together with these.

2008
Invention of the patent-registered enclosure system aluCLIC.

And developments by the technological leader ROLEC continue and remain exciting ...

2010
Development of the first round enclosure. The aluDISC system.

Matthias Rose
Company Management



Betty Rose
Company Management



Continuity is assured for the long term. The second generation took on responsibility at an early stage. Matthias and Betty Rose share the management of the modern family business. Friedhelm Rose stands at their side.

The consistent principle - with all requirements - is made in Germany. Diligence in every decision. Enabling this requires corporate commitment, ability on every level, communication via the shortest route, freedom and trust in the responsible actions of trained personnel.

240 pages of the ROLEC catalogue list standard

ranges and specialities for all industrial areas with every detail. Diligently designed and produced by expert personnel, who have been with the company for the long term - are superbly qualified, motivated and receive regular further training. Family business is brought to life - fully independently. Solid quality and consistent new ideas thrive best in a company culture in which the people and the needs of the user are made central to every decision. Demands know no upward limits. "ROLEC concepts are a benchmark for quality."

ROLEC.

From the idea to ready-to-install enclosure.

In aluminium. In thermoplast.

Or in glass fibre-reinforced polyester.

► Idea • Design • Mould investment • Casting • Stockpiling • Project planning



Brainstorming for idea generation.

Design.

The very first and most important investment: The invention and development

The strength of ROLEC is product development. Not without reason does ROLEC have market recognition. ROLEC creativity sets benchmarks in enclosure technology. Most recently with the electronic enclosure **aluPLUS** and the very first round enclosure ever: **aluDISC**. Successful developments prior to this: **aluNORM** enclosure, modular with the

single-channel attachment system. **conFORM** enclosure with integrated EMC shielding. **aluCASE** enclosure with separate attachment level, concealed lid and fixing screws. **aluCLIC** enclosure - clip-on instead of screw-attached. **aluPLUS** enclosure in standard dimensions with attachment options with closed enclosures. **aluDISC** enclosure in a round format. With separate attachment level. In ABS: **technoCASE** enclosure with concealed lid screws. **starCASE** enclosure with separate attachment level.

g • Customer-specific modifications • Supply ready for installation “Just-in-time”



Thermoplastic injection moulding.



Aluminium die casting.



Rapid access to our large stocks.

The major investment:

High quality moulds and tools. ROLEC enclosures are produced on leading-edge aluminium die casting and plastic injection moulding machines. Top quality is only guaranteed by high quality moulds. ROLEC investments are high. The moulded enclosures should be essentially void-free and have surfaces that fulfil the demands.

An investment in flexibility and reliability:

Large stocks. Just-in-time means just-in-time. Enclosures are commonly the last link in an industrial production chain. They are therefore needed quickly. ROLEC keeps the entire range of enclosures available permanently – ready for calling up from a large warehouse without time loss. Every model is available in all dimensions. Finish in accordance with the customers wishes: Drilled, equipped, mounted ... delivered.

ROLEC.

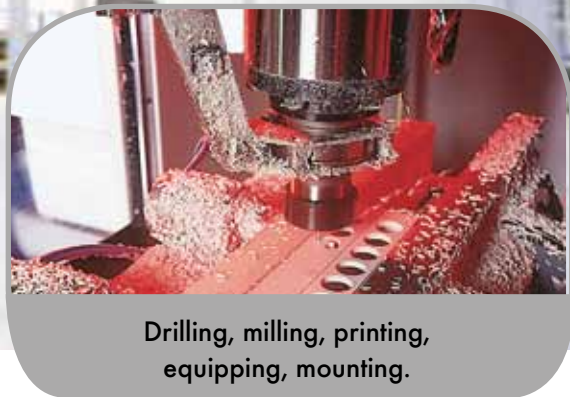
The details:

Perfection with every assignment.

► Drilling • Milling • Powder-coating • P



Processing in accordance with the user's wishes:

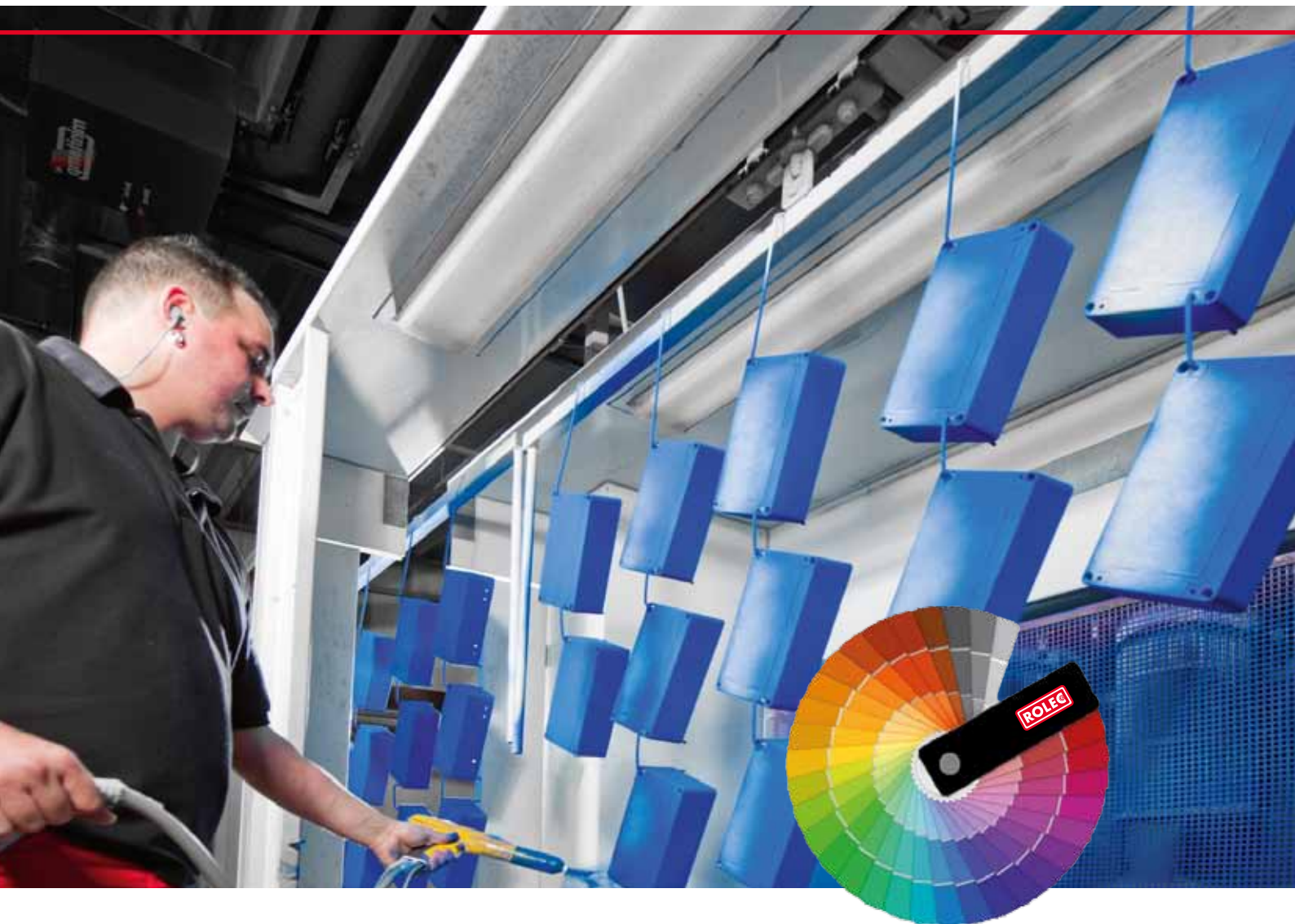


Drilling, milling, printing, equipping, mounting.

Anyone who has established enclosure development and innovated in this field for over 40 years knows what it is about and what is required. This can be seen in every ROLEC product. There is nothing lacking – in line with the principle: German diligence and reliability. Everything has been thought of – in advance. Best example: **aluKOM**, the first enclosure developed by Mr Rose, the "mother" of all standardised enclosures. Still produced and utilised around the world today. Simply serving the purpose.

Before Friedhelm Rose had the idea of standardising enclosures in the 1960's, the industry used to undertake costly construction itself, in accordance with individual concepts and requirements. The user is able to choose from a program encompassing over 500 sizes and types. Special designs are also economical even in the smallest batches. With the aid of CAD drawings available on the internet it is possible to communicate modification wishes.

Painting • Engraving • Printing • Equipping • Assembling • Delivery



ROLEC.
Finish as required.
And always efficiently and
environmentally friendly.

ROLEC delivers ready-for-use. This includes special requirements. Ready-for-use means ready-for-use. ROLEC is flexible, manufactures reliably, is installation-friendly and functional. Design and production know-how and a high level of service readiness are the preconditions for realising every required addition. Be it preassemblies or special paints (per RAL), power-coatings or wet paint applications.

ROLEC.

"Ready-to-install by the manufacturer"



Tailored for installation.

Processing example

Electronics and terminal enclosures are supplied ready for installation.

The user need only install the electrical and electronic components and attach to the machine - ROLEC takes care of everything else.

Enclosures are painted in standard colours or in accordance with our customers' wishes. On request we supply enclosures ready-to-install with membrane keypads, terminals and cable glands

Drilling. Milling. Engraving... in accordance with your specifications.

Here you can see an example of enclosure processing. Drilling and milling specifications are incorporated into the enclosure structure and engraved into the surface depending on the function. The principle is simple: We design our enclosure in accordance with your specifications, ready for immediate integration into your work flow.



ROLEC.





Finished means finished.




- Drilling
- Milling
- Engraving
- Powder coating
- Painting
- Serigraphy
- Inserting/Assembly
- Front plates
- Membrane keypads
- Delivery

ROLEC.

Protection types per EN 60529 / DIN 40050

DEFINITION OF IP CODE 1

IP CODE 1	INGRESS PROTECTION AGAINST CONTACT AND FOREIGN BODIES
PROTECTION AGAINST	SCOPE OF PROTECTION
0 Not protected. 	-----
1 Large foreign bodies. 	Protection against accidental large surface contact with live and internal moving parts, e.g. by the hand, although no protection against intentional access to these parts. Protection against the penetration of solid foreign bodies with a diameter greater than 50 mm.
2 Medium-sized foreign bodies. 	Protection against contact between the fingers and live or internal moving parts. Protection against the penetration of solid foreign bodies with a diameter greater than 12 mm.
3 Small foreign bodies. 	Protection against contact between live or internal moving parts and tools, wire, etc with a thickness of more than 2.5 mm. Protection against the penetration of solid foreign bodies with a diameter greater than 2.5 mm.

IP CODE 1	INGRESS PROTECTION AGAINST CONTACT AND FOREIGN BODIES
PROTECTION AGAINST	SCOPE OF PROTECTION
4 Granular foreign bodies. 	Protection against contact between live or internal moving parts and tools, wire, etc with a thickness of more than 1 mm.
5 Dust deposits. 	Complete protection against contact with live parts or parts moving internally. Protection against harmful dust deposits. The penetration of dust is not fully prevented but dust shall not penetrate in such quantities as to affect the functionality.
6 Dust ingress. 	Complete protection against contact with live parts or parts moving internally. Protection against the ingress of dust.






Cited abbreviations

The protection classes are specified as abbreviations. These always comprise the identical identification letters IP and TWO CODE NUMBERS for the degree of protection.






Almost all ROLEC enclosures are protection class IP 65 and IP 66 by design and thereby fulfil a high industrial standard for serial products: I.e. the enclosures offer protection against the penetration of water and dust.

Furthermore, on request ROLEC standard enclosures from aluminium and polyester can be produced in protection classes IP 67 and IP 69K.

DEFINITION OF IP CODE 2

IP CODE 2.	INGRESS PROTECTION AGAINST WATER
PROTECTION AGAINST	SCOPE OF PROTECTION
0 Not protected. 	-----
1 Protected against water droplets. 	Vertically falling droplets must not have any damaging effects.
2 Protected against water droplets if the enclosure is inclined up to 15°. 	Vertically falling droplets must not have any damaging effects if the enclosure is inclined up to an angle of 15° either side of vertical.
3 Protected against water spray. 	Water that is sprayed at an angle of up to 60° either side of vertical must not have any damaging effects.
4 Protected against splash water. 	Water that is splashed against the enclosure from any direction must not have any damaging effects.

9K

IP CODE 2.	INGRESS PROTECTION AGAINST WATER
PROTECTION AGAINST	SCOPE OF PROTECTION
5 Protected against water jets. 	Water that is sprayed in a jet against the enclosure from any direction must not have any damaging effects.
6 Protected against powerful water jets. 	Water that is sprayed in a powerful jet against the enclosure from any direction must not have any damaging effects.
7 Protection against the effects of temporary submersion in water. 	Water must not seep into the enclosure in any quantity that may have damaging effects when the enclosure is temporarily submersed under water under standard pressure and time conditions.
8 Protection against the effects of long-term submersion in water. 	Water must not seep into the enclosure in any quantity that may have damaging effects when the enclosure is submersed under water on a long-term basis under conditions that are agreed between the manufacturer and user. These conditions must however be harsher than those for code 7.
9K Water during high pressure/steam spray cleaning 	Water that is sprayed in a powerful, increased pressure jet against the enclosure from any direction must not have any damaging effects.

Imprint**Address**

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President: Matthias Rose

Traderegister: AG Stadthagen HR B2184

USt.-Ident.-Nr.: DE 200523238

The information submitted is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments: neither do they imply and legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

We reserve for ourselves the right of modification and further development of our products. Such changes or errors and printing errors will not give right to any claim for compensation.

As of 1 March 2005, our complete range of products is in agreement with RoHS.

We will continue to supply customers who insist on certain procedures, because their products do not fall under Guideline 2002/95/EC.



Our *passion* is enclosures.



aluCASE

Premium enclosures made of aluminium

Technical data

aluCASE



Integrated lid supports



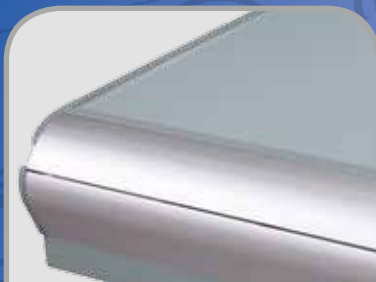
Fastening with closed enclosures



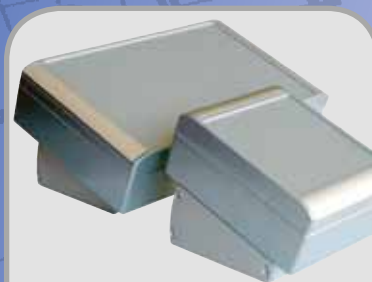
Transparent lid version



Design covers for the perfect appearance



External hinges without visible screws



Console adapter on request



Access safeguard by means of key lock



Integrated recess for membrane keypads

Enclosure: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Integrated recess: In the lid for membrane keypad or front plates.

Components: Fastening thread M5 in the lower and upper section.

Ingress protection: IP67 / EN 60529

Gasket: TPE moulded gasket, silicon-free (-40°C to +120°C)

Lid screws: Stainless steel 1.4567 (V2A), captive

Design covers: Latching, polyoxymethylene (POM) RAL 7040, window grey.

Integrated lid supports: Polypropylene (PP) in RAL 7040, window grey

Surface: Powder coating in RAL 7040, window grey

Optionally available:

Design covers: Latching, aluminium profile, anodised silver

Transparent lid: Polycarbonate (PC) AC 092K and ACF 110K

Gasket: Silicon gasket (-50°C to +140°C), EMC gasket (-55°C to +160°C)

Ingress protection: IP69K / DIN 40050

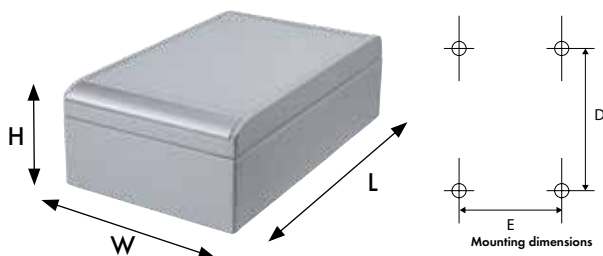
Surface: Corrosion protection, special colours

Further options see delivery overview.

Delivery overview aluCASE																
Type	Mat. no.	L	W	H	D	E	g	ID	DP	DA	S	ST	L	D	EMC	69K
AC 052	191.052.000	75	50	33	61	34	134	○	□	○	○	○	●	●	●	●
AC 054	191.054.000	100	50	33	86	34	166	○	□	○	○	○	●	●	●	●
AC 070	191.070.000	100	70	50	84	33	328	○	□	○	○	○	●	●	●	●
AC 072	191.072.000	140	70	50	124	33	411	○	□	○	○	○	●	●	●	●
AC 074	191.074.000	180	70	50	164	33	495	○	□	○	○	○	●	●	●	●
AC 090	191.090.000	120	90	60	102	40	580	□	□	●	○	○	●	●	●	●
AC 092	191.092.000	160	90	60	142	40	680	□	□	●	○	○	●	●	●	●
AC 092K	192.092.000	160	90	60	142	40	520	□	□	●	○	○	●	●	●	●
AC 094	191.094.000	250	90	60	232	40	861	□	□	●	○	○	●	●	●	●
ACF 110	190.110.000	140	110	60	122	60	700	□	□	●	●	●	●	●	●	●
ACF 110K	192.110.000	140	110	60	122	60	534	□	□	●	●	●	●	●	●	●
ACF 112	190.112.000	200	110	60	182	60	880	□	□	●	●	●	●	●	●	●
ACF 130	190.130.000	160	130	70	142	80	910	□	□	●	●	●	●	●	●	●
ACF 132	190.132.000	220	130	70	202	80	1.130	□	□	●	●	●	●	●	●	●
ACF 150	190.150.000	180	150	60	162	100	968	□	□	●	●	●	●	●	●	●
AC 150	191.150.000	180	150	90	162	100	1.216	□	□	●	●	●	●	●	●	●
ACF 152	190.152.000	260	150	60	242	100	1.273	□	□	●	●	●	●	●	●	●
AC 152	191.152.000	260	150	90	242	100	1.569	□	□	●	●	●	●	●	●	●
ACF 170	190.170.000	200	170	60	182	120	1.096	□	□	●	●	●	●	●	●	●
AC 170	191.170.000	200	170	90	182	120	1.430	□	□	●	●	●	●	●	●	●
ACF 172	190.172.000	280	170	60	262	120	1.471	□	□	●	●	●	●	●	●	●
AC 172	191.172.000	280	170	90	262	120	1.789	□	□	●	●	●	●	●	●	●
AC 200	191.200.100	230	200	120	212	144	2.005	□	○	□	●	●	●	●	●	●
ACF 200	190.200.100	230	200	90	212	144	1.720	□	○	□	●	●	●	●	●	●
AC 202	191.202.100	330	200	120	312	144	2.328	□	○	□	●	●	●	●	●	●

□ Standard ● Available ○ Not available

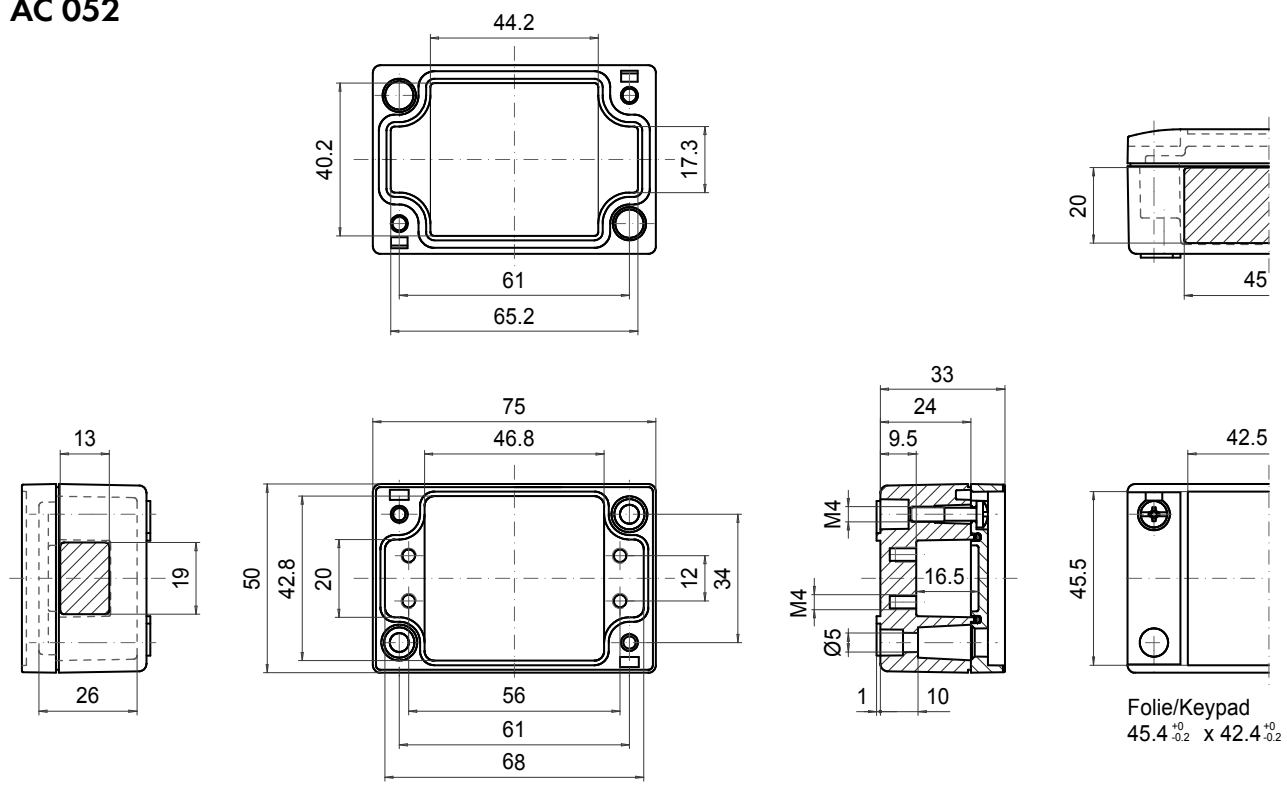
Approvals:



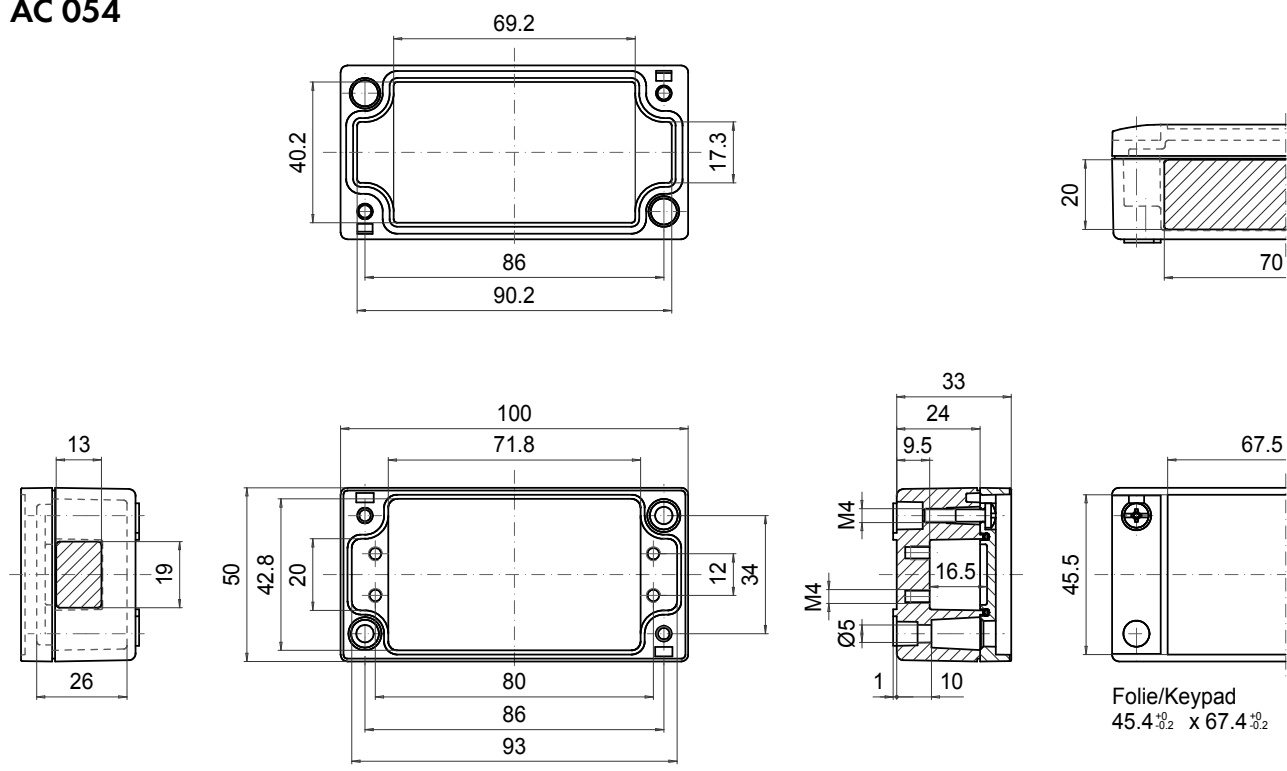
ROLEC Attachment and mounting dimensions

aluCASE

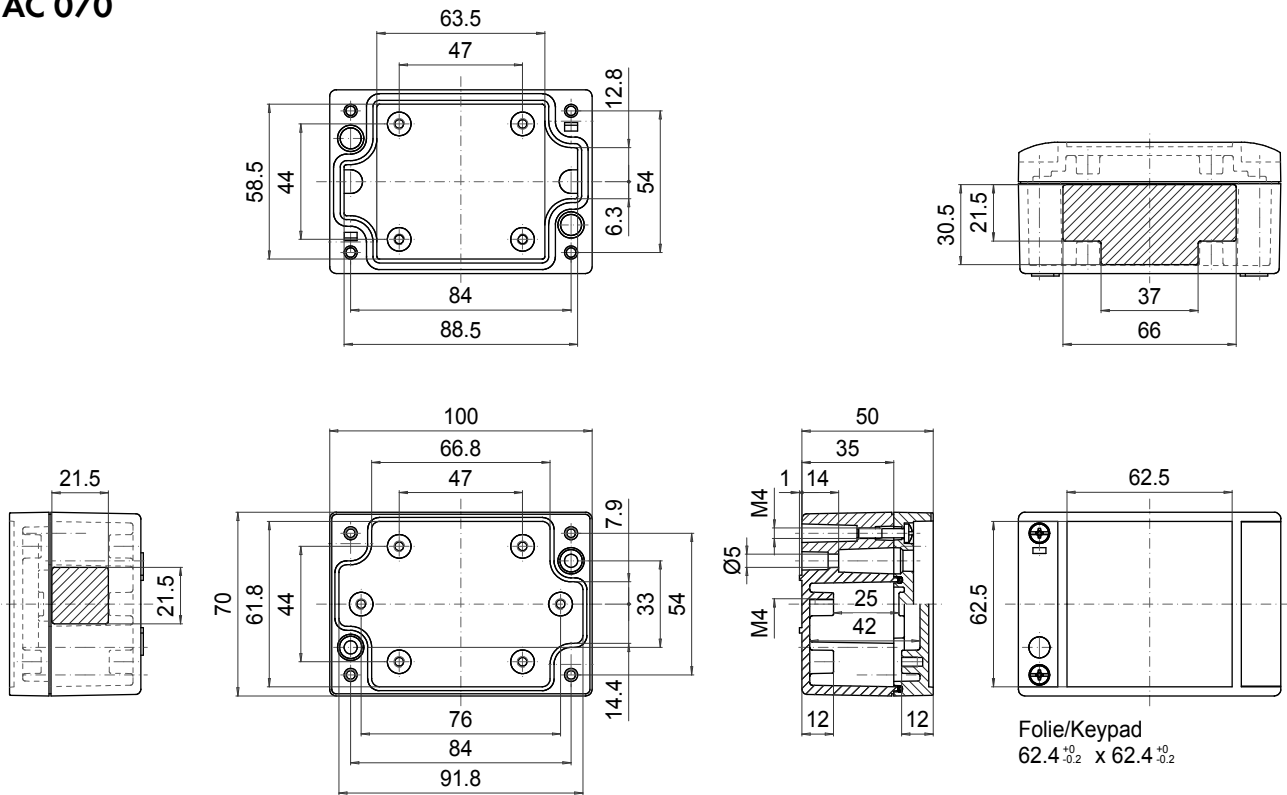
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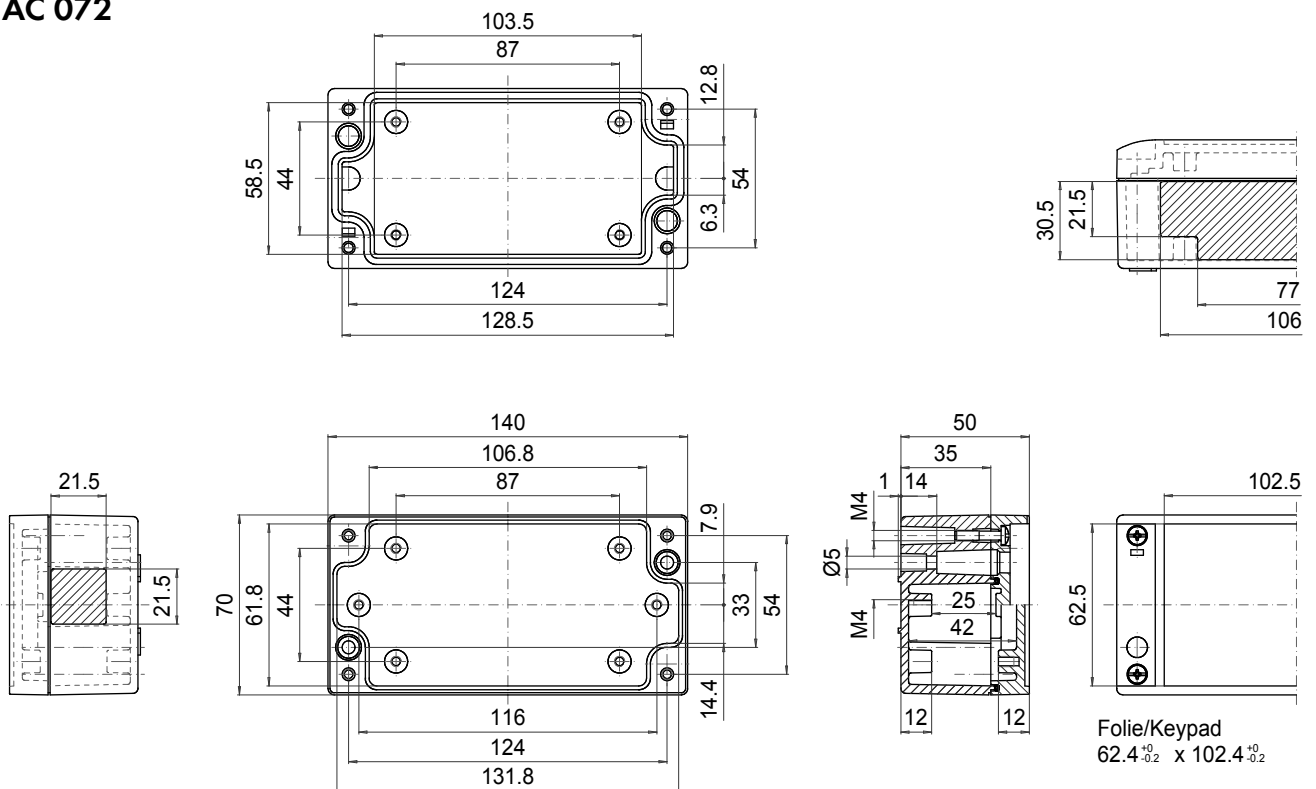
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AC 070



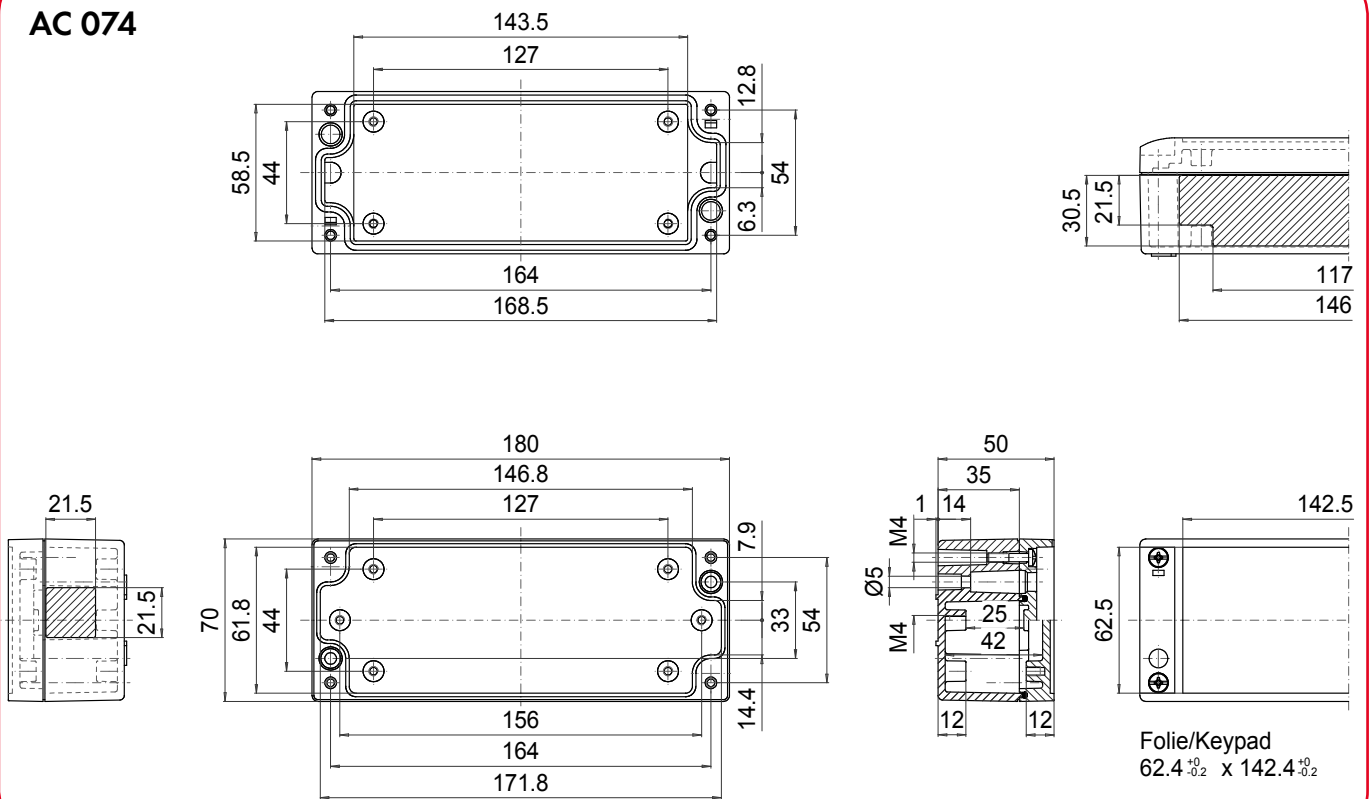
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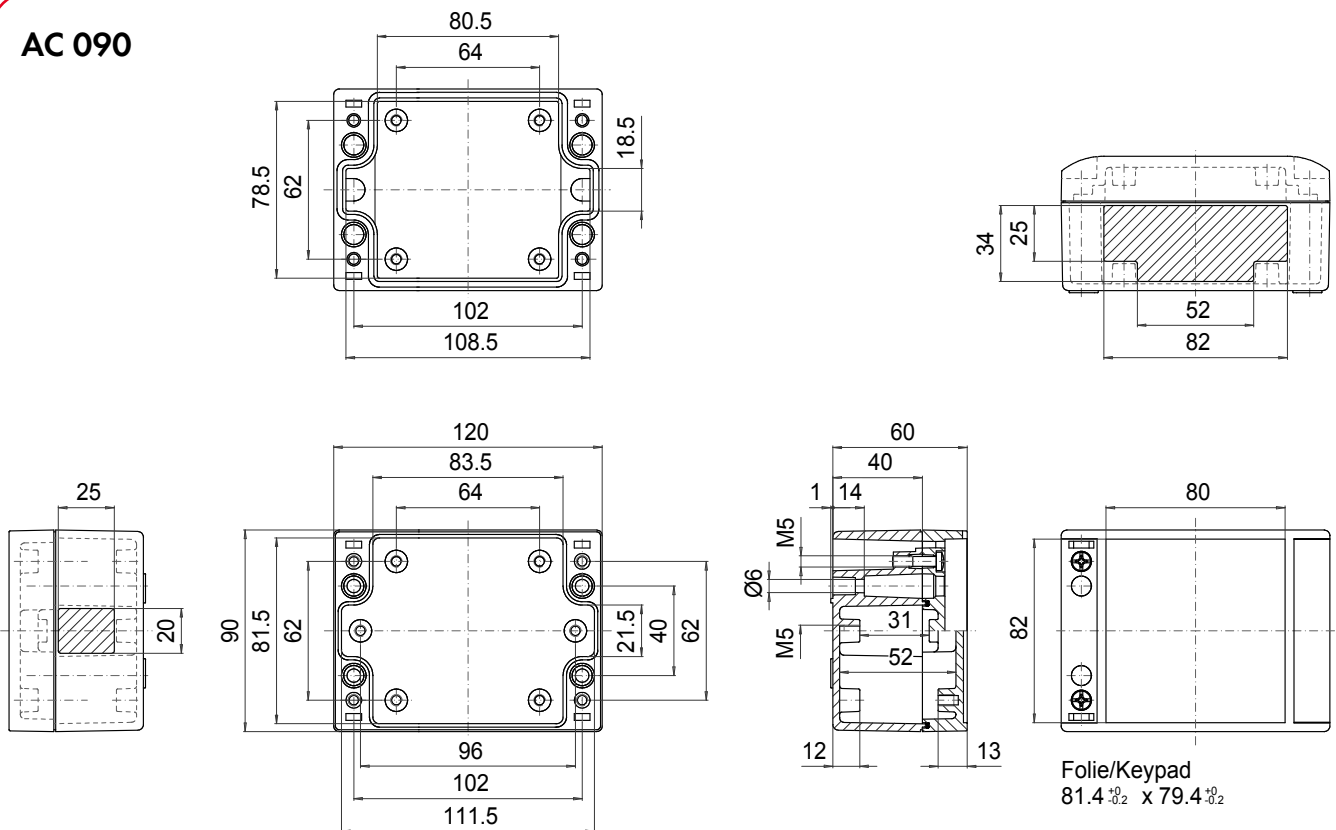
ROLEC Attachment and mounting dimensions

aluCASE

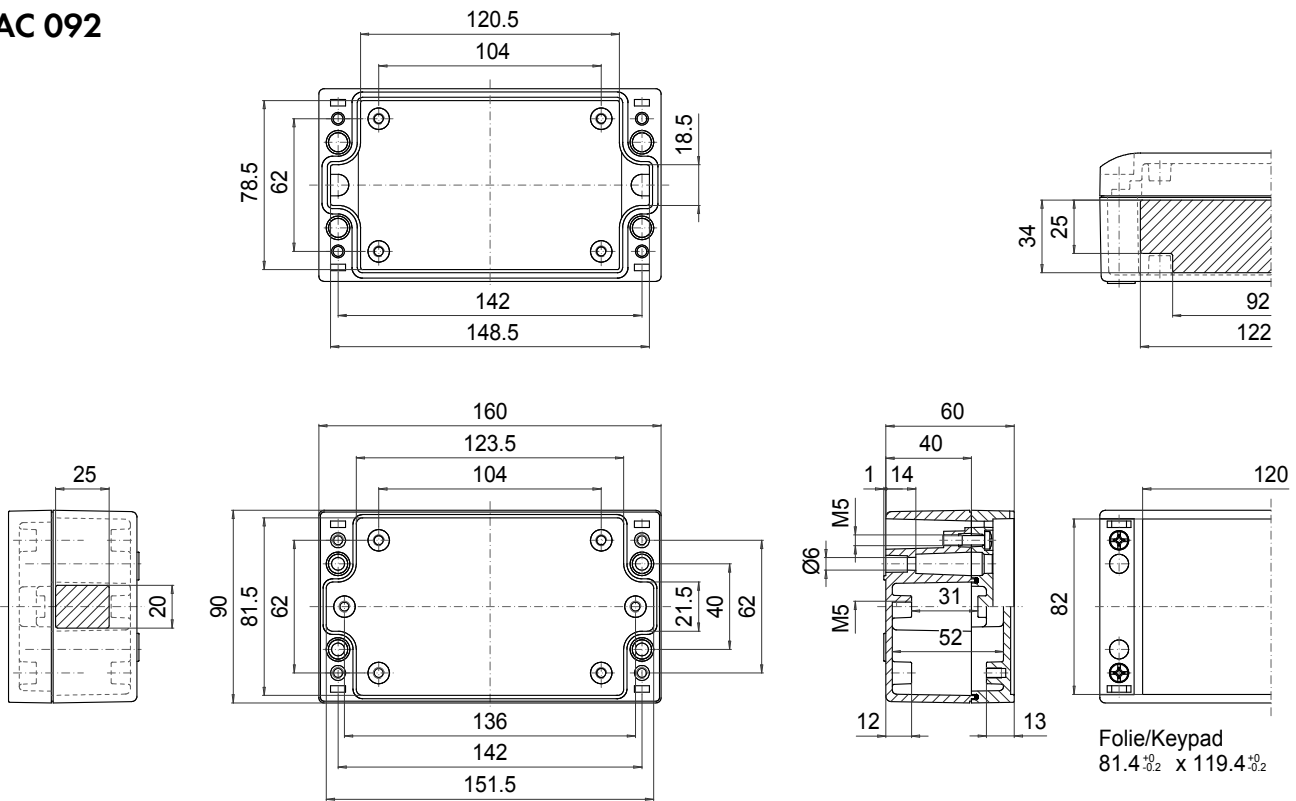
AC 074



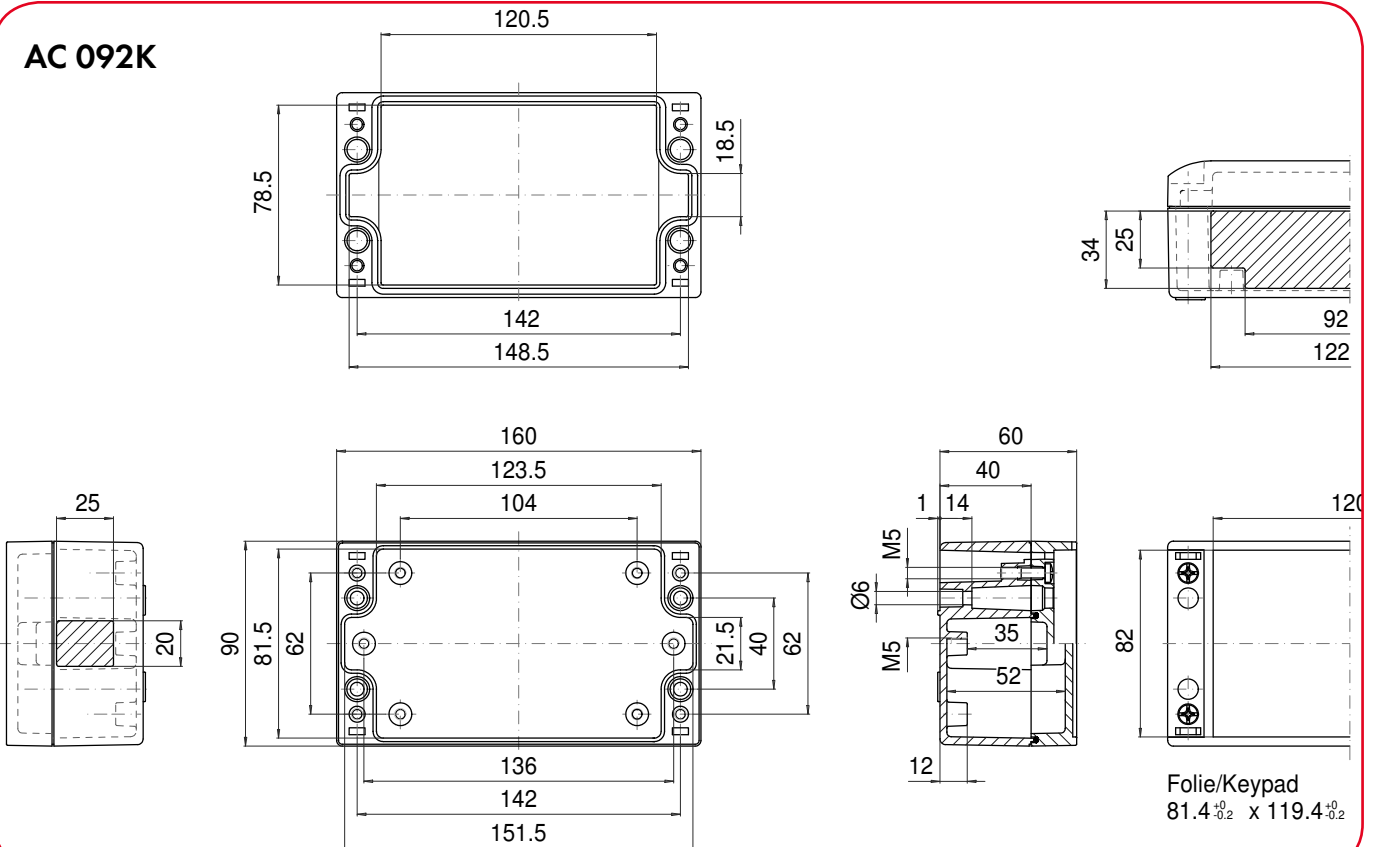
AC 090



AC 092



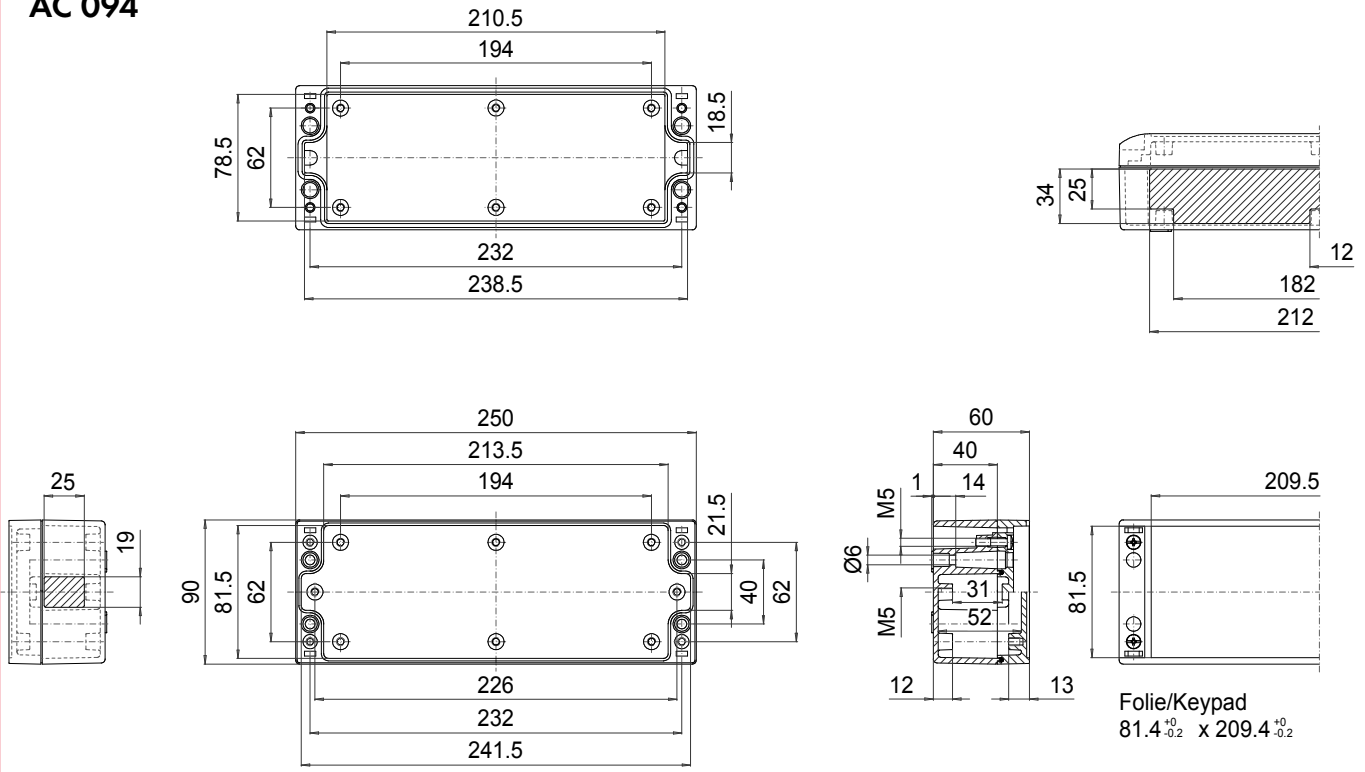
AC 092K



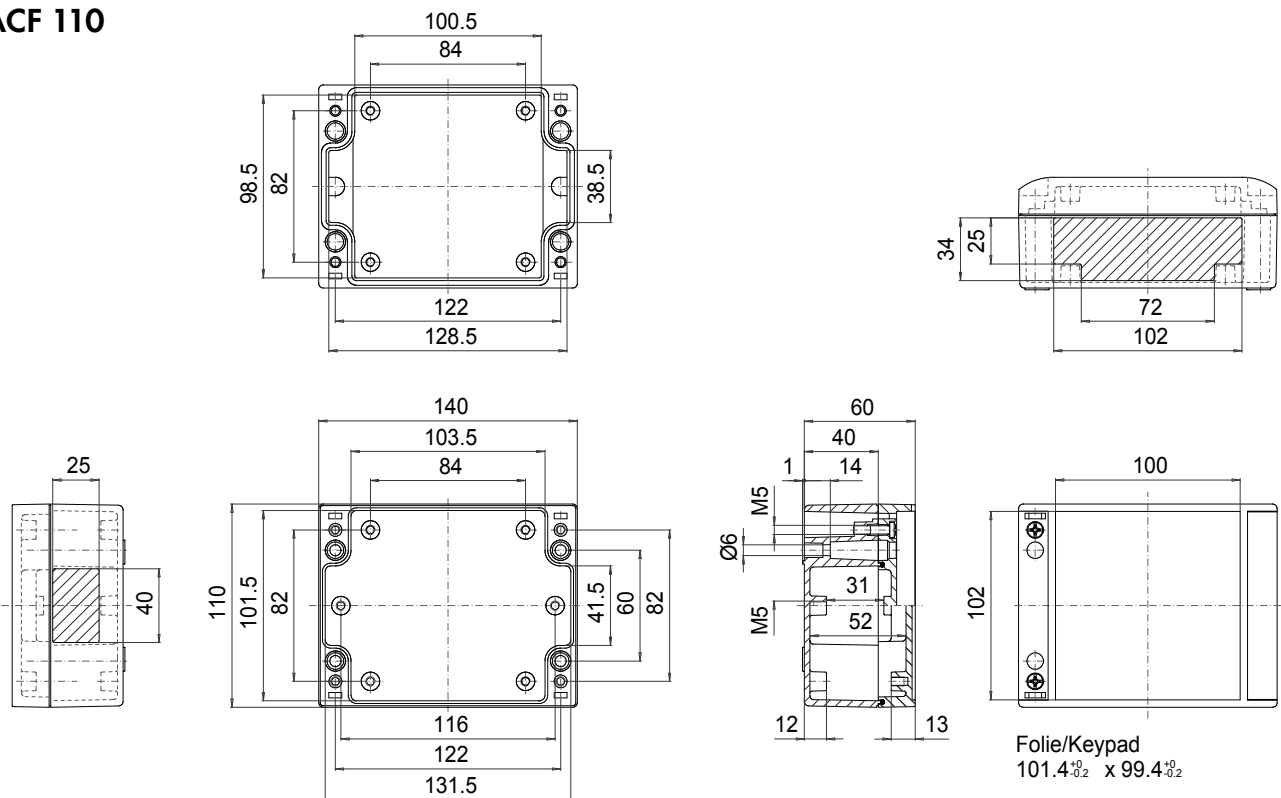
ROLEC Attachment and mounting dimensions

aluCASE

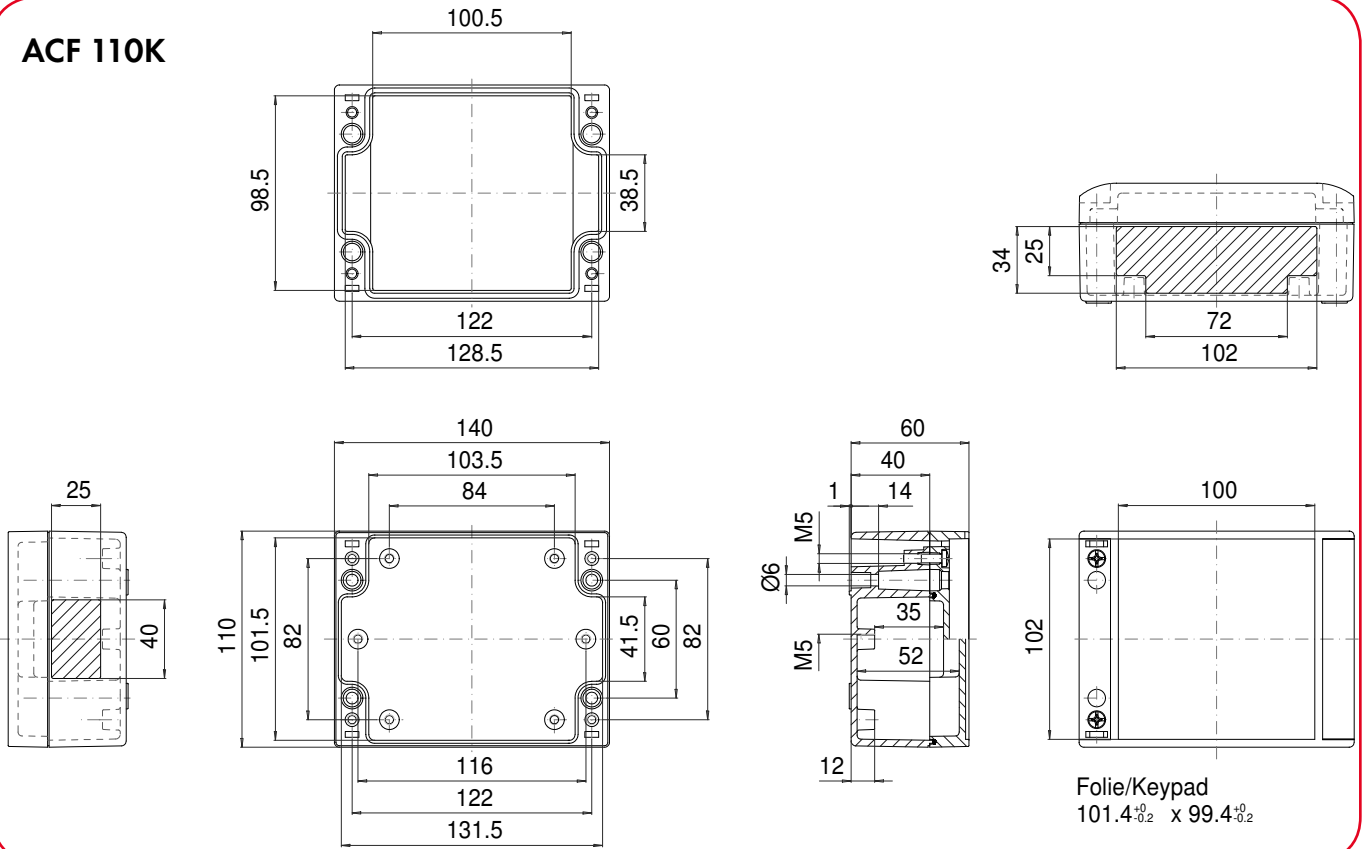
AC 094



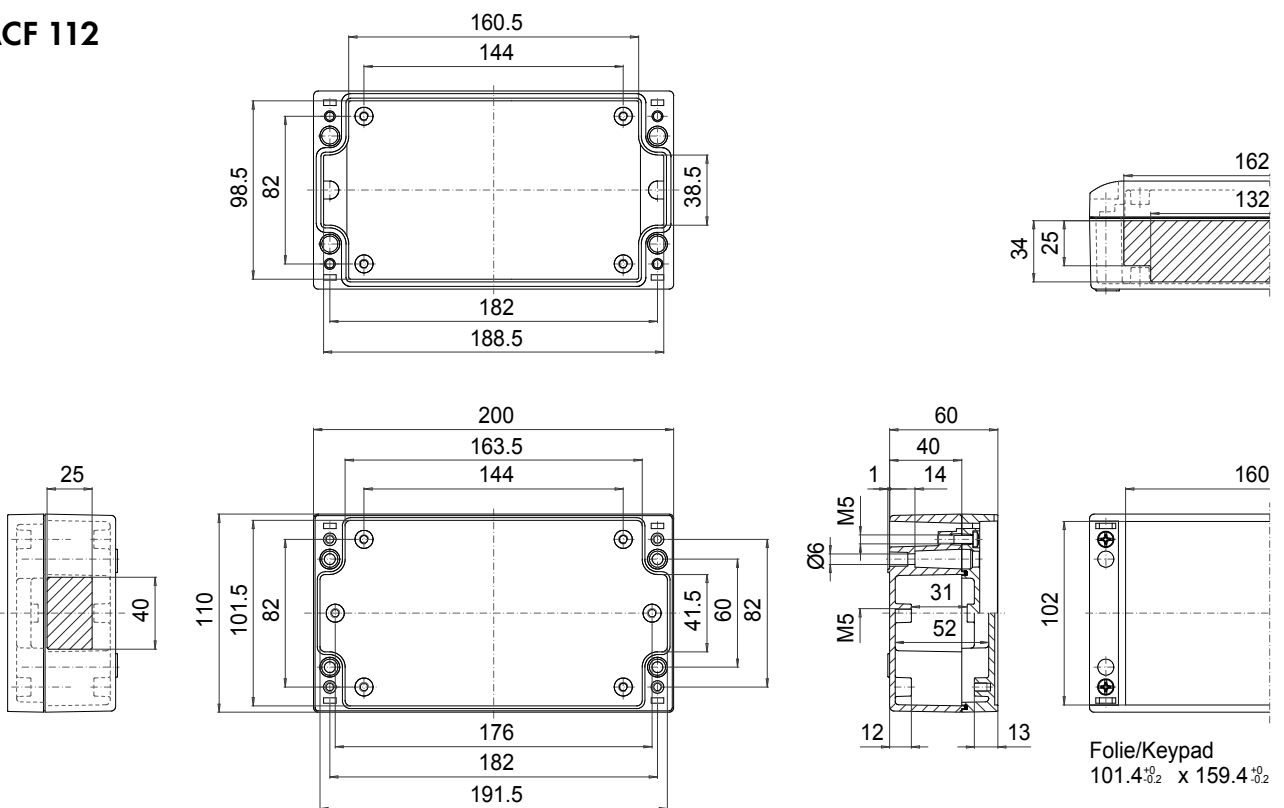
ACF 110



ACF 110K



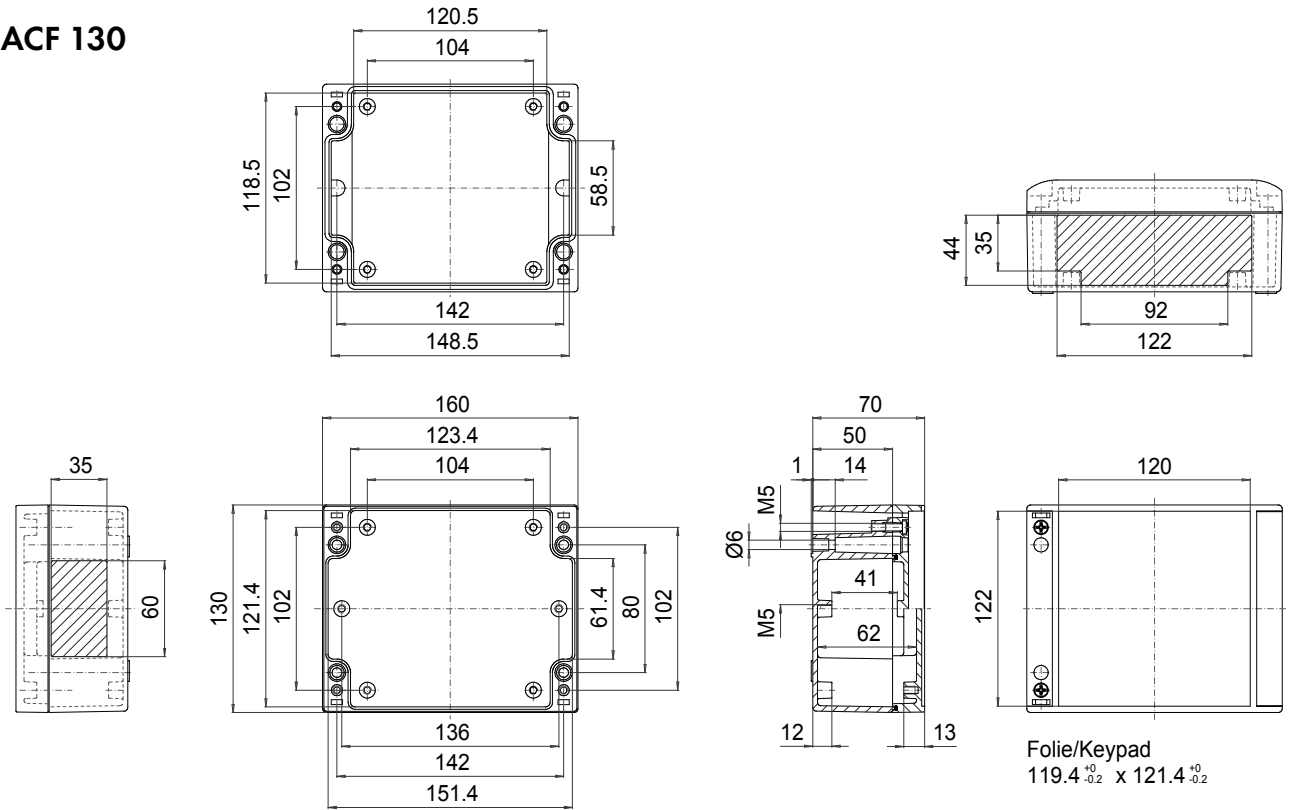
ACF 112



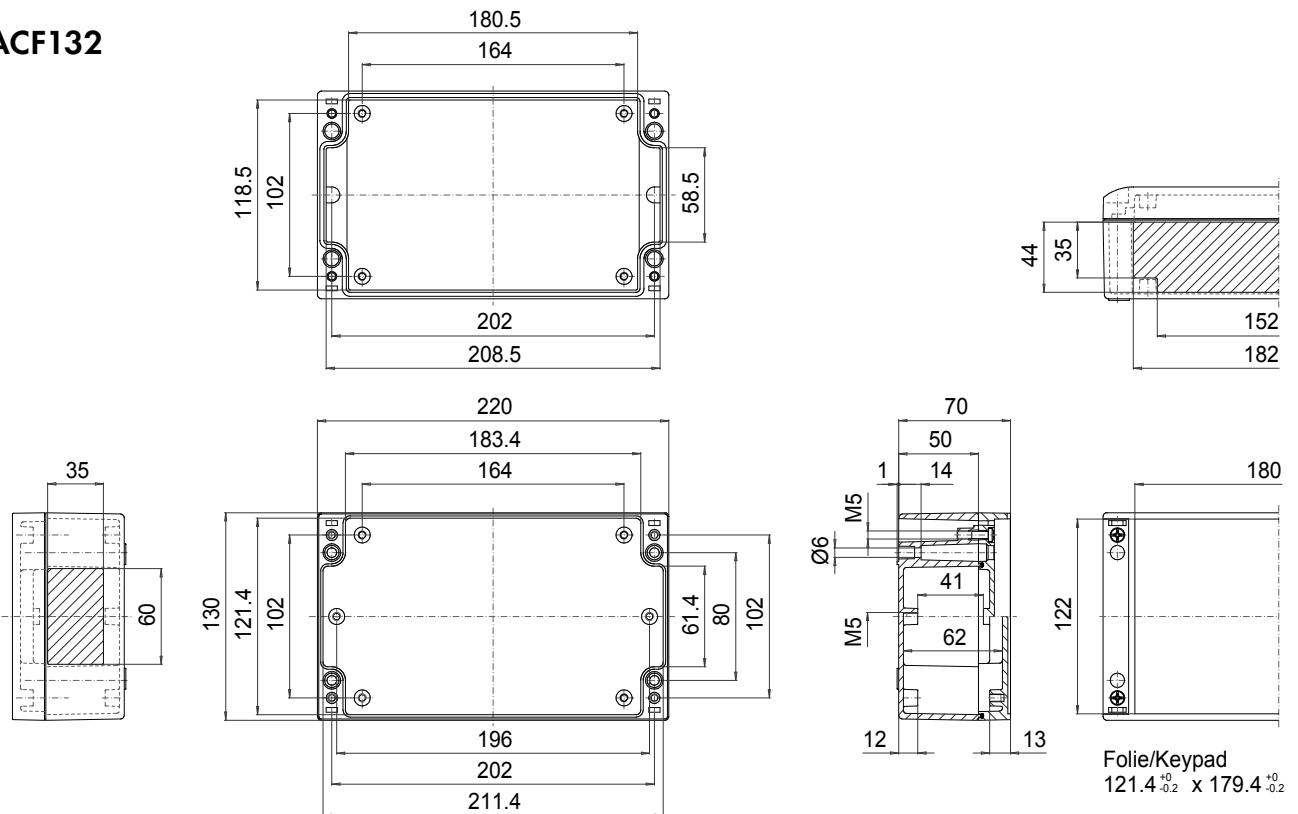
ROLEC Attachment and mounting dimensions

aluCASE

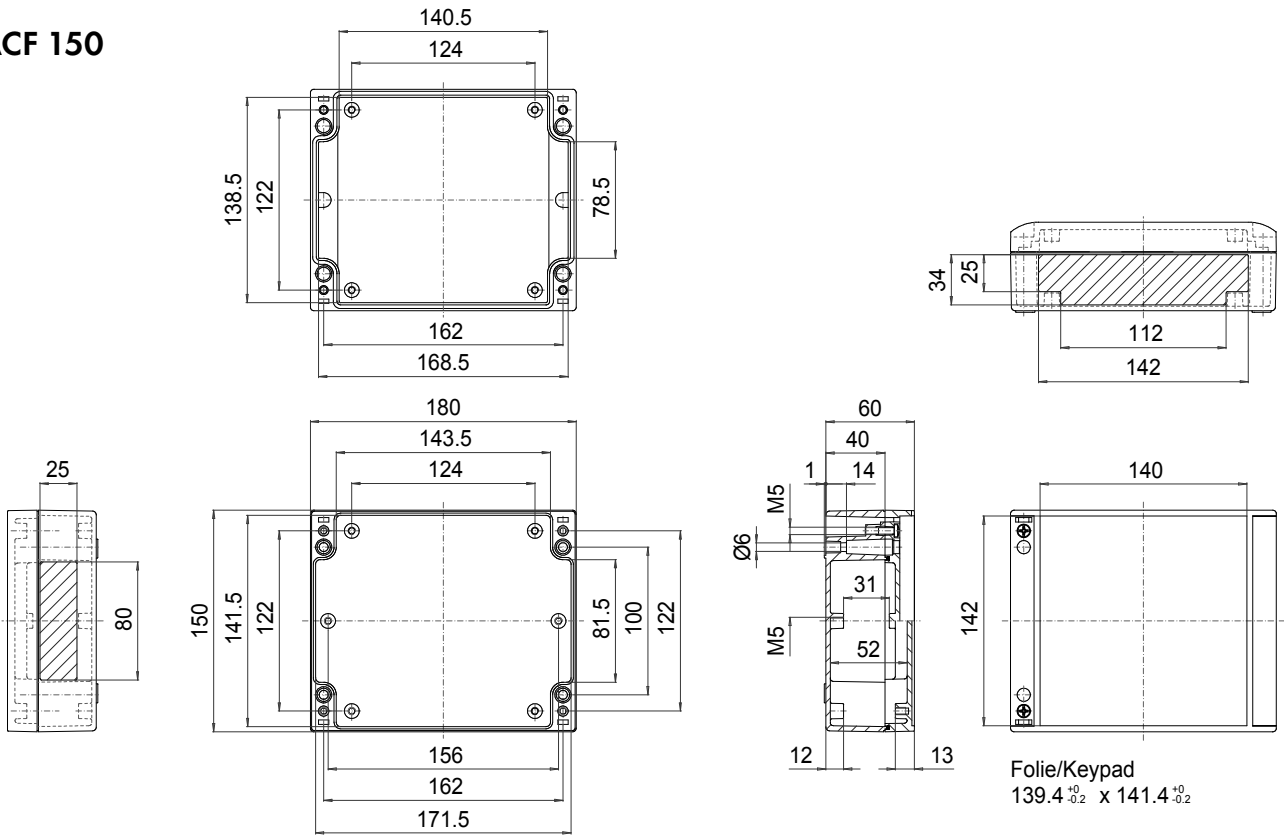
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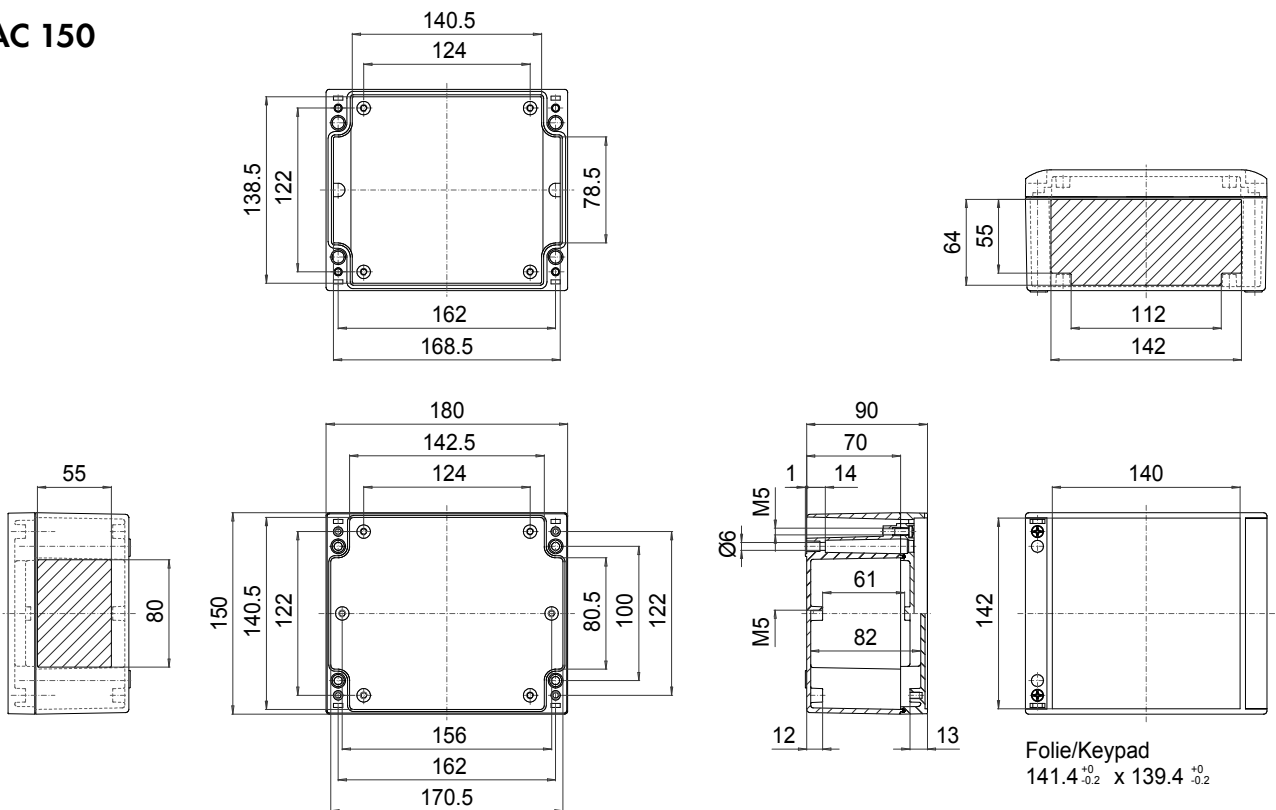
ACF132



ACF 150



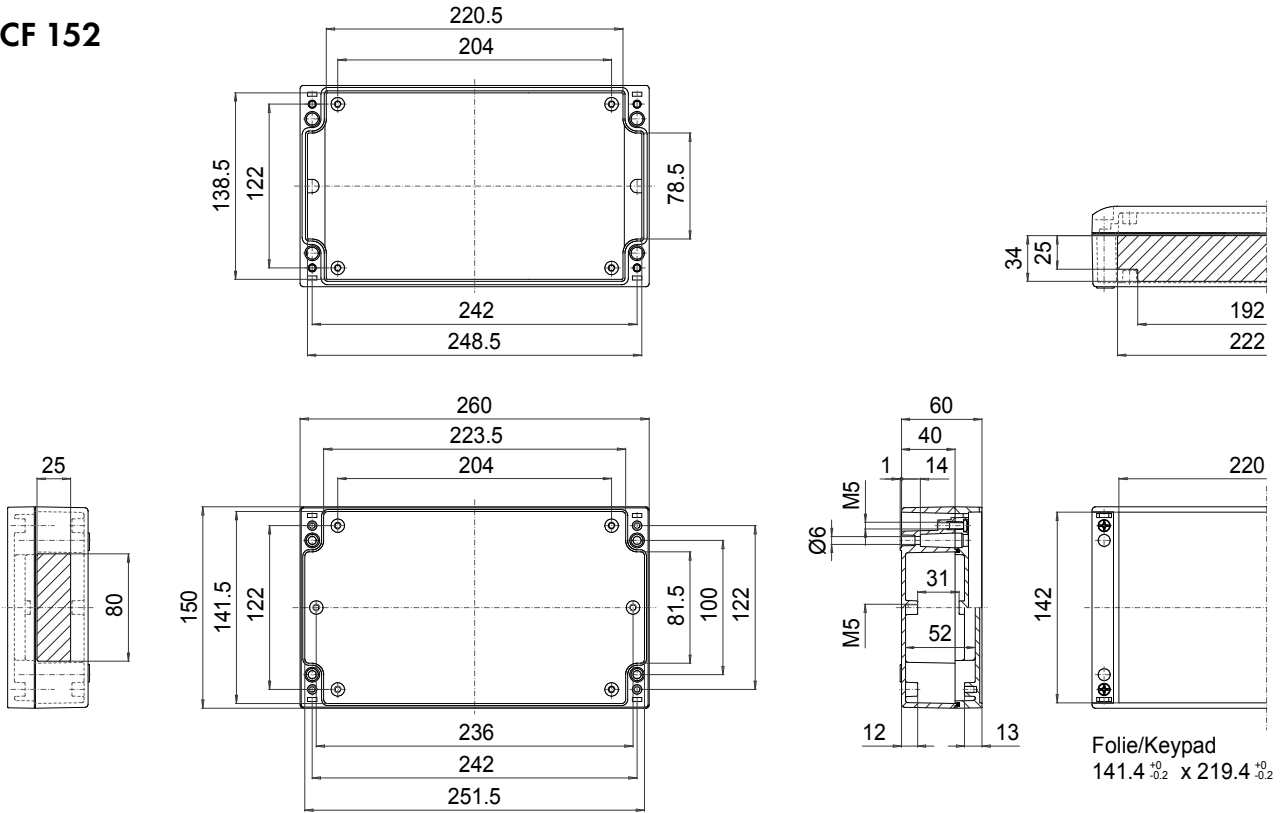
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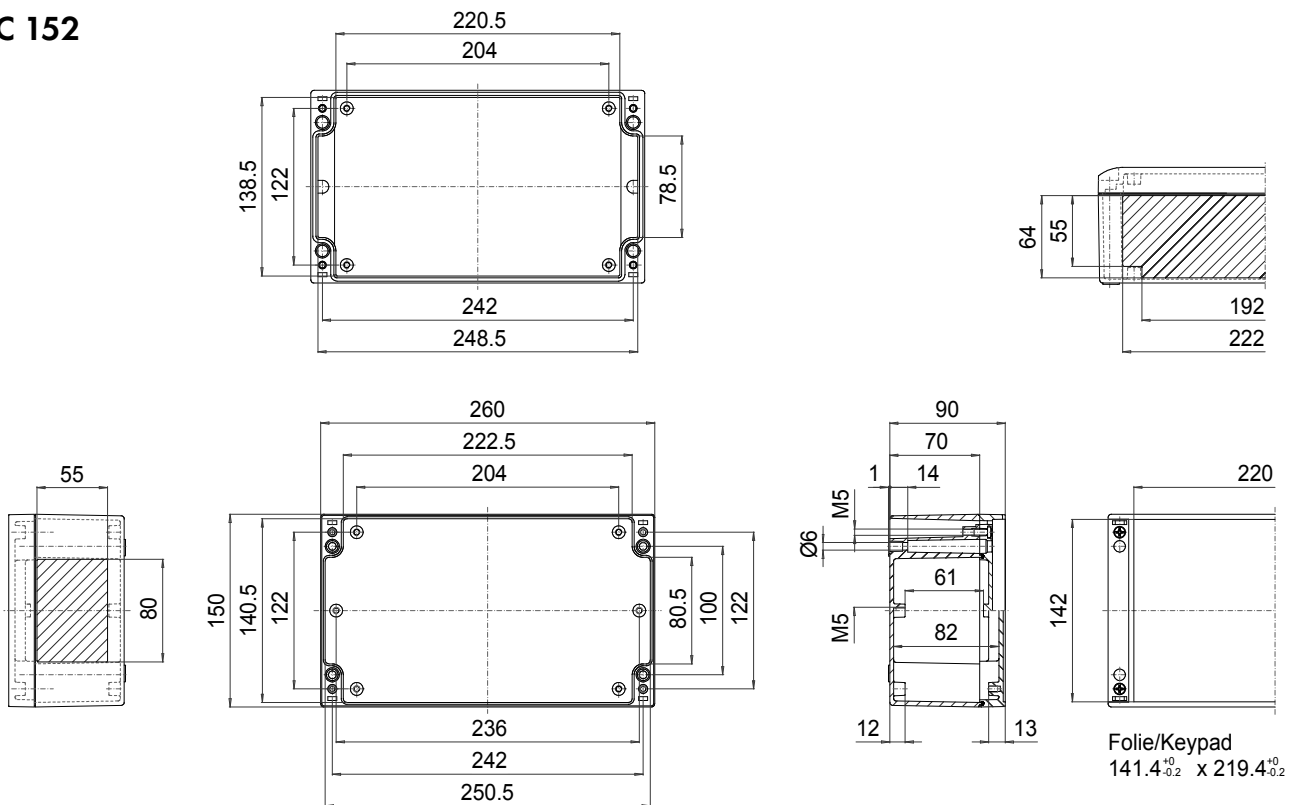
ROLEC Attachment and mounting dimensions

aluCASE

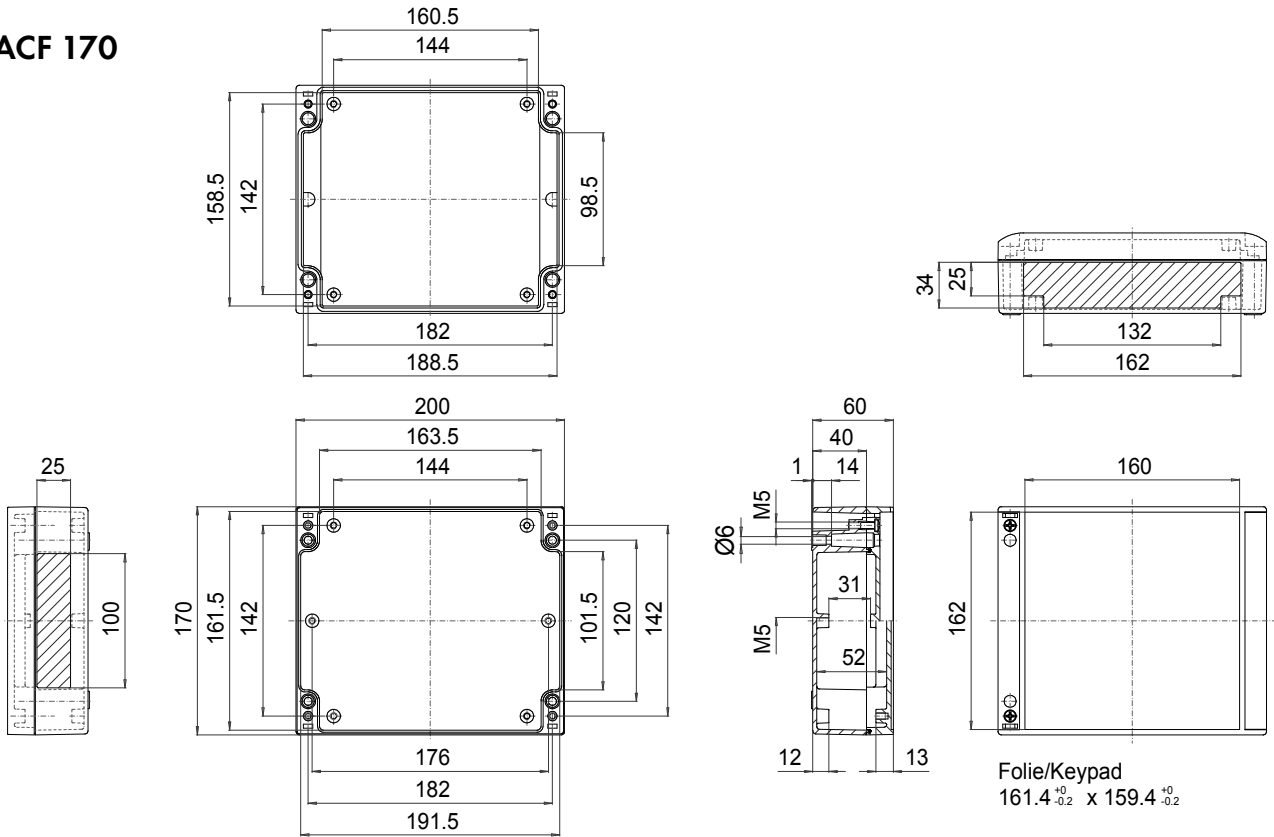
ACF 152



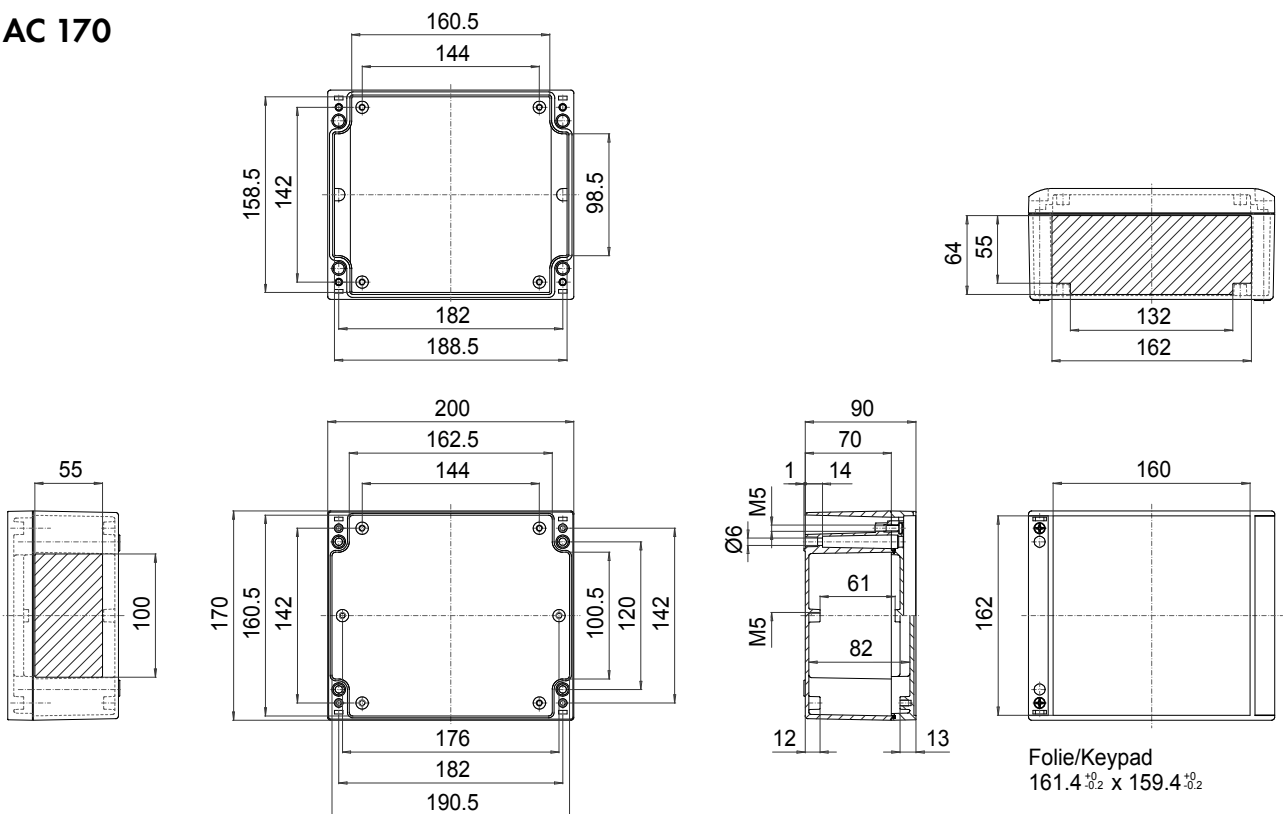
AC 152



ACF 170



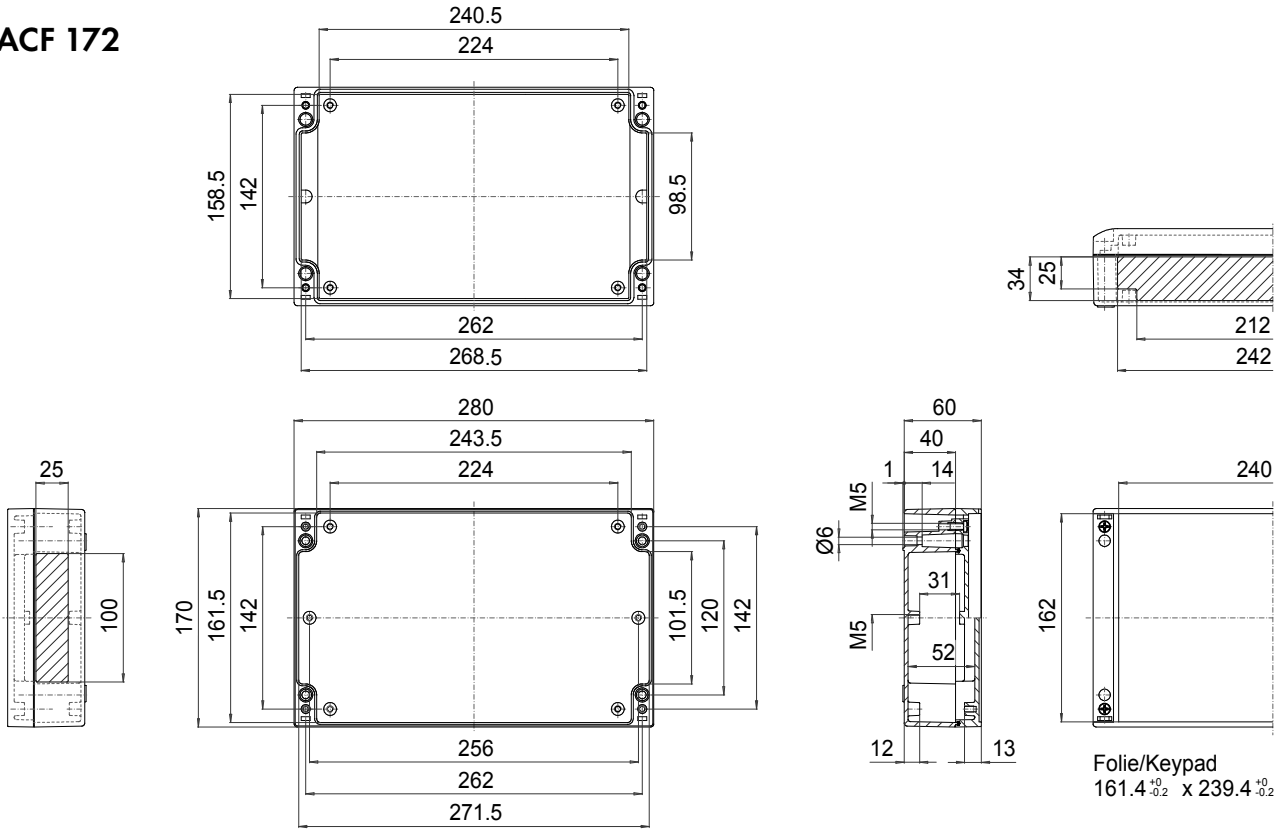
AC 170



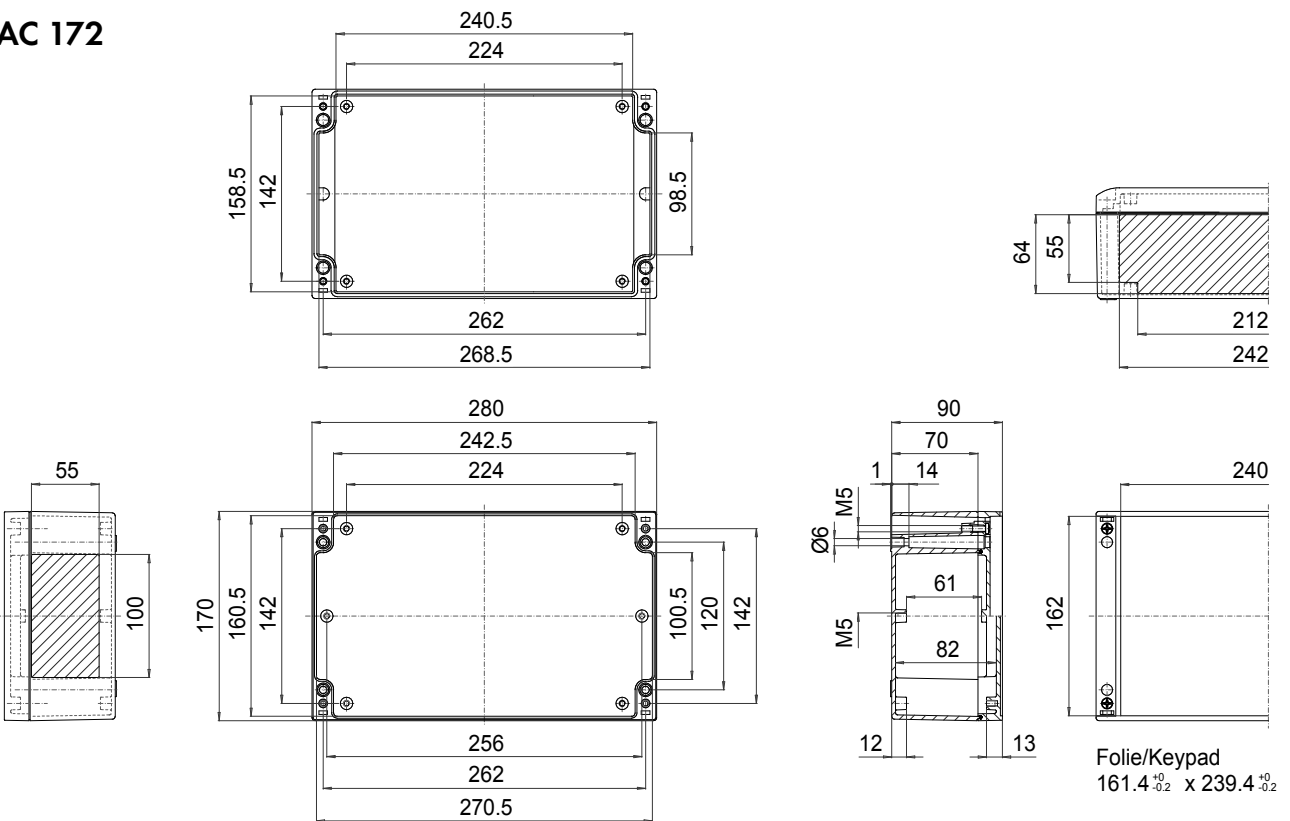
ROLEC Attachment and mounting dimensions

aluCASE

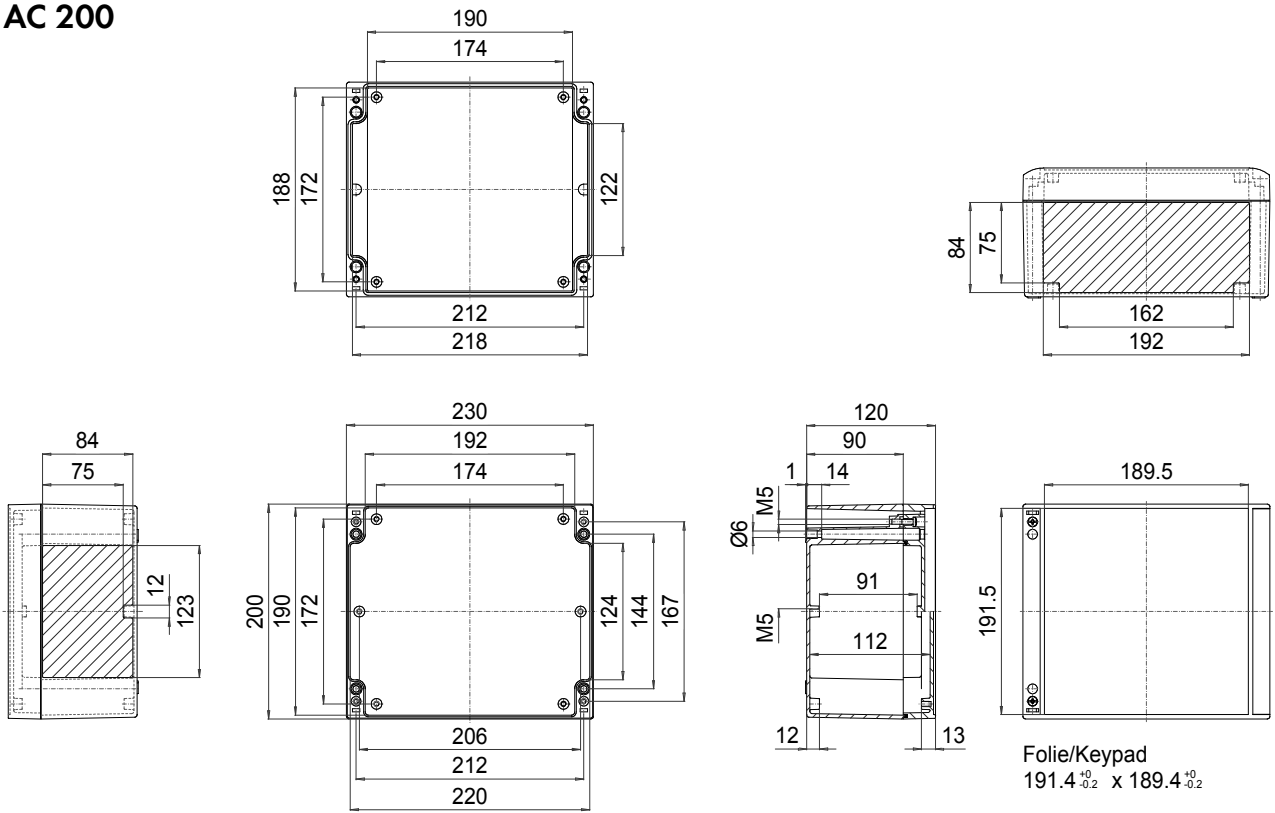
ACF 172



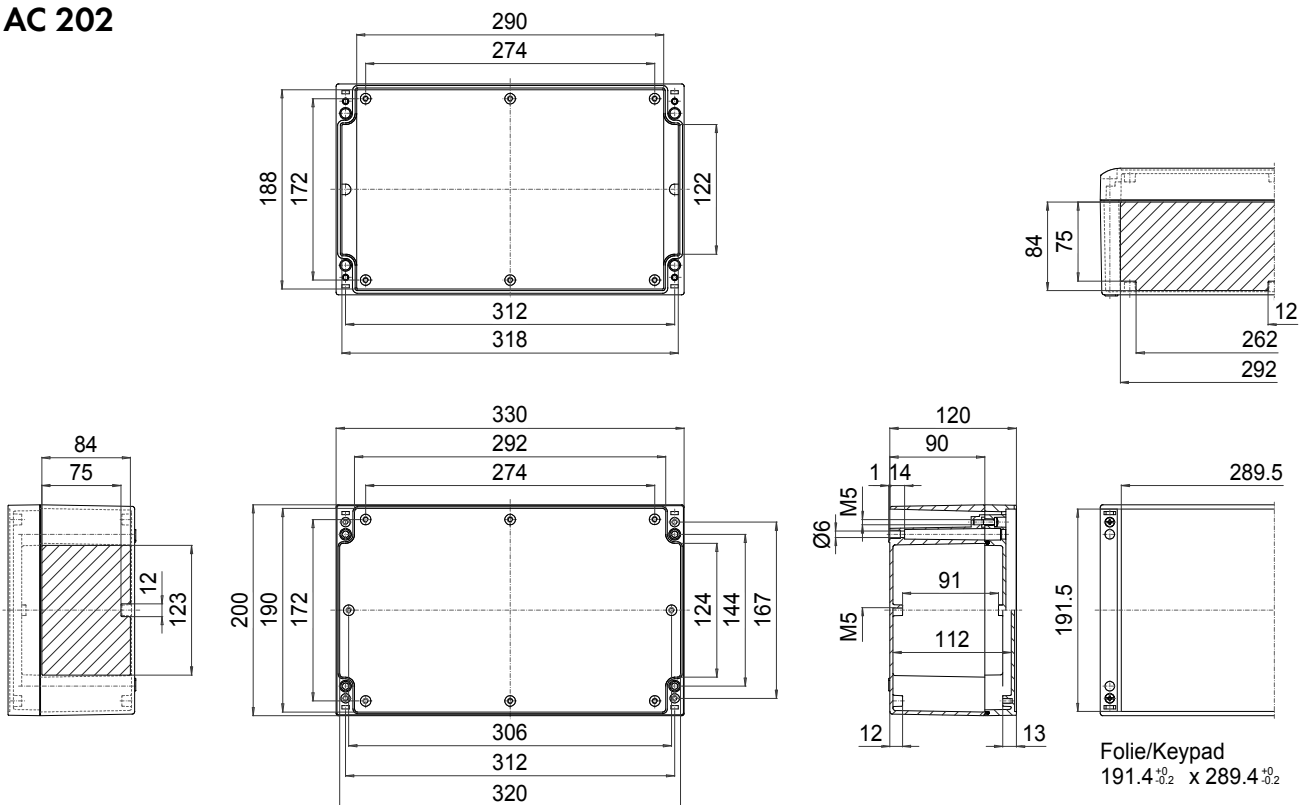
AC 172



AC 200



AC 202





Our *passion* is enclosures.



aluCLIC

Aluminium enclosures on snap-on device

Technical data

aluCLIC



Enclosure: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Integrated recess: In the lid for membrane keypad or front plates

Components: Fastening thread M5 in the bottom and lid

Ingress Protection: IP66 / EN 60529

Gasket: TPE moulded gasket, silicone-free (-40°C to +120°C)w

Lid screws: Stainless steel 1.4567 (V2A), captive

Snap-on device: Polyoxymethylene (POM), RAL 9005, deep black

Surface: Powder coating RAL 7035, light grey

Optionally available:

Gasket: Silicone gasket (-50°C to +140°C)
EMC gasket (-55°C to +160°C)

Ingress Protection: IP67 / EN 60529 - IP69K / DIN 40050

Surface: Corrosion protection, special colours

Further options see delivery overview.

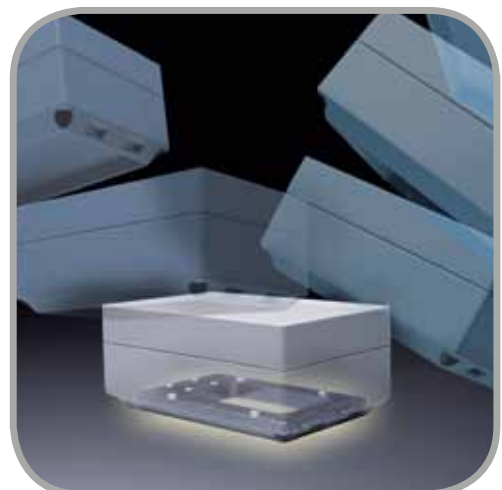
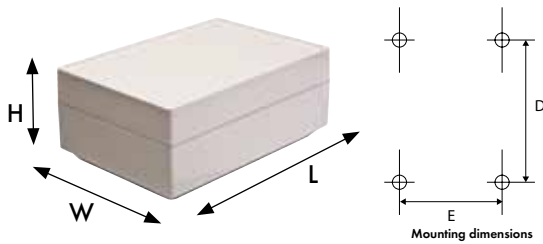


Delivery overview aluCLIC

Type	Mat. no.	L	W	H	D	E	g	M	L	EMC	69K
ACL 092	240.092.000	130	90	70	46	96	610	●	●	●	●
ACL 112	240.112.000	160	110	70	66	116	810	●	●	●	●
ACL 132	240.132.000	200	130	70	86	156	1070	●	●	●	●

□ Standard ● Available ○ Not available

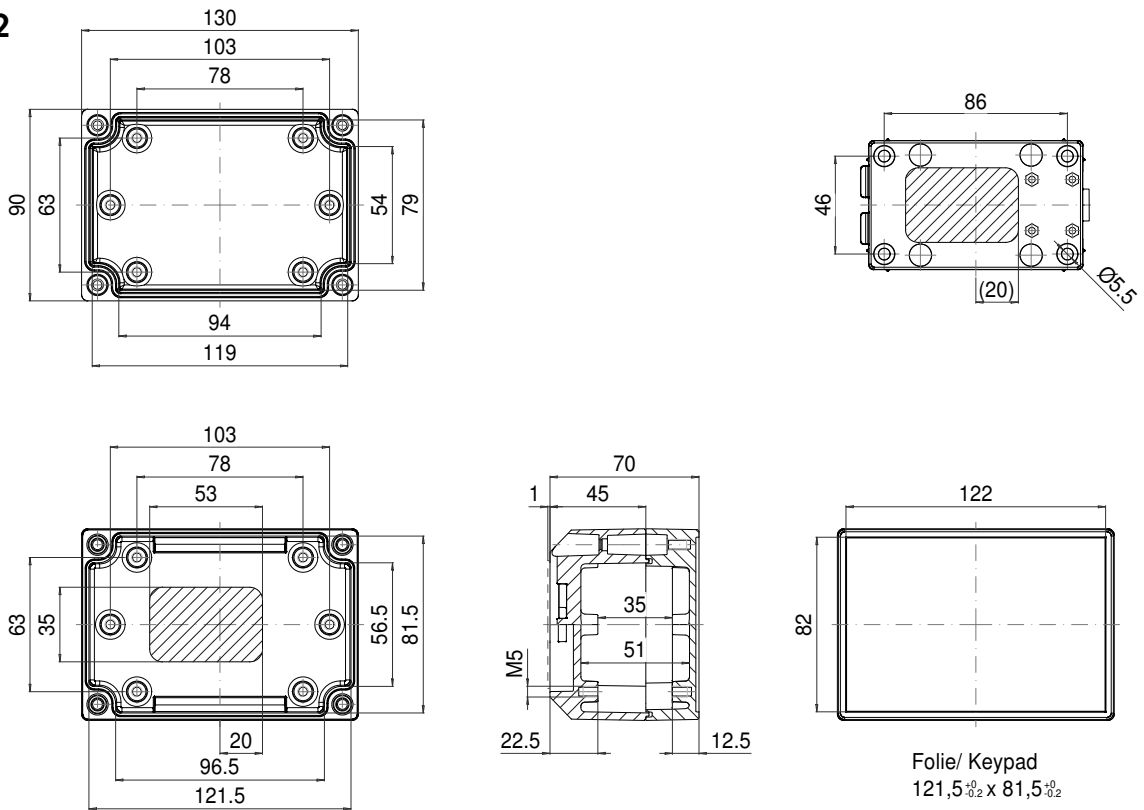
Approvals:



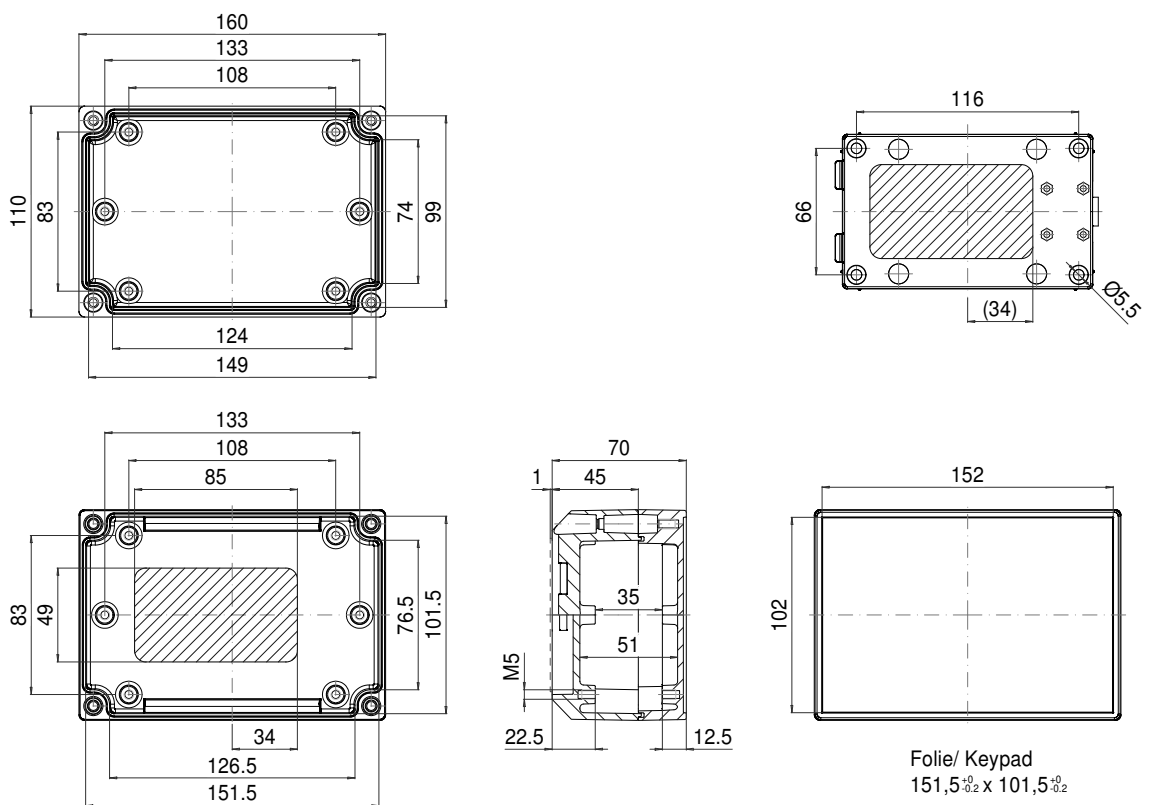
ROLEC Attachment and mounting dimensions

aluCLIC

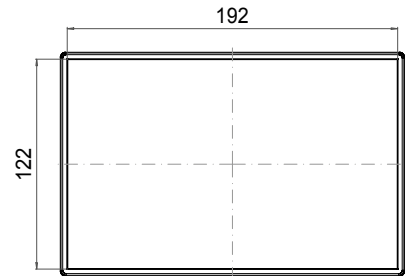
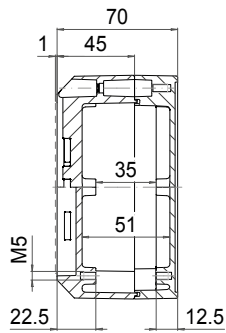
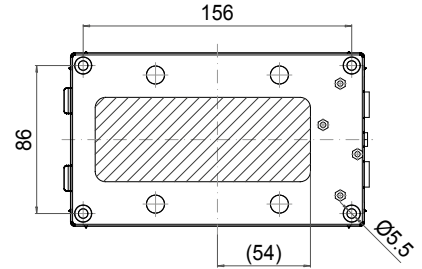
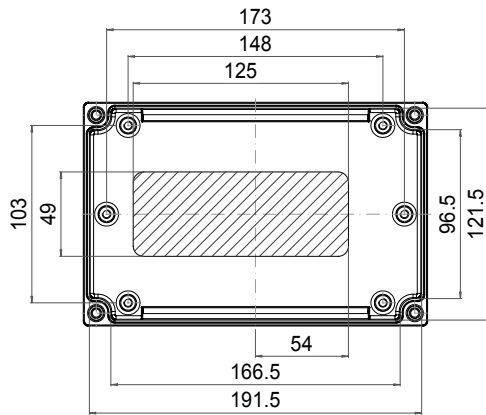
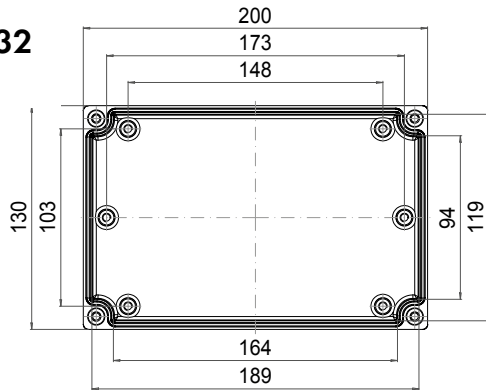
ACL 092



ACL 112



ACL 132



Folie/ Keypad
121,5⁺⁰/_{-0.2} x 191,5⁺⁰/_{-0.2}



Our *passion* is enclosures.



aluNORM

Multi-variable enclosures made of aluminium

Technical data

alUNORM AS



AS variant



External mounting bracket
AS 080 - AS 166



External mounting feet
AS 200 - AS 324



External hinge



Internal hinge



Hold hinge



Mounting rail and terminals



Mounting plate

Enclosure: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Fastening: Space-saving single-channel technology

Components: Fastening thread M4/M6 in upper and lower section.

Ingress protection: IP66 / EN 60529

Gasket: TPE moulded gasket, silicon-free (-40°C to +120°C)
Chloroprene (CR) Gasket (-30°C to +90°C)

Lid screws: Stainless steel 1.4567 (V2A), captive

Surface: Powder coating RAL 7032, silky grey

Optionally available:

External mounting: Die-cast zinc (Zn Al 4 Cu 1)

Mounting plates: Sheet steel, galvanised

Gasket: Silicon gasket (-50°C to +140°C)
EMC gasket (-55°C to +160°C)

Ingress protection: IP67 / EN 60529

Surface: Corrosion protection, special colours

Further options, see delivery overview.

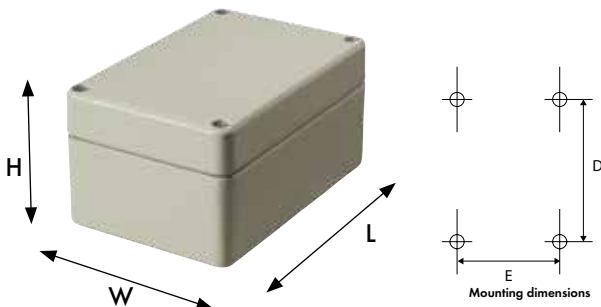
Delivery overview aluNORM AS

Type	Mat. no.	L	W	H	D	E	g	M	D	A	B	L	T	S	IS	HS	EMC	67
* AS 060	100.060.000	50	65	40	38	53	130	●	●	○	●	●	●	○	○	○	●	●
* AS 062	100.062.000	65	65	40	53	53	170	●	●	○	●	●	●	○	○	○	●	●
* AS 064	100.064.000	100	65	40	88	53	220	●	●	○	●	●	●	○	○	○	●	●
* AS 066	100.066.000	150	65	40	138	53	310	●	●	○	●	●	●	○	○	○	●	●
* AS 080	100.080.000	80	80	60	67	67	320	●	●	●	●	●	●	○	○	○	●	●
* AS 082	100.082.000	120	80	60	107	67	460	●	●	●	●	●	●	○	○	○	●	●
* AS 084	100.084.000	160	80	60	147	67	610	●	●	●	●	●	●	○	○	○	●	●
* AS 100	100.100.000	100	100	80	87	87	550	●	●	●	○	●	●	●	○	●	●	●
* AS 102	100.102.000	150	100	80	137	87	730	●	●	●	○	●	●	●	○	●	●	●
* AS 104	100.104.000	200	100	80	187	87	910	●	●	●	○	●	●	●	○	●	●	●
* AS 120	100.120.000	120	120	100	102	102	1.070	●	●	●	○	●	●	●	●	●	●	●
* AS 122	100.122.000	180	120	100	162	102	1.310	●	●	●	○	●	●	●	●	●	●	●
* AS 124	100.124.000	240	120	100	222	102	1.680	●	●	●	○	●	●	●	●	●	●	●
* AS 160	100.160.000	160	160	100	142	142	1.520	●	●	●	○	●	●	●	●	●	●	●
* AS 162	100.162.000	240	160	100	222	142	1.980	●	●	●	○	●	●	●	●	●	●	●
AS 164	100.164.000	320	160	100	302	142	2.480	●	●	●	○	●	●	●	●	●	●	●
AS 166	100.166.000	480	160	100	462	142	3.900	●	●	●	○	●	●	●	●	●	●	●
AS 200	100.200.000	200	200	120	180	180	2.480	●	●	●	○	●	●	●	●	●	●	●
AS 202	100.202.000	300	200	120	280	180	3.250	●	●	●	○	●	●	●	●	●	●	●
AS 204	100.204.000	400	200	120	380	180	4.700	●	●	●	○	●	●	●	●	●	●	●
AS 240	100.240.000	240	240	120	220	220	3.400	●	●	●	○	●	●	●	●	●	●	●
AS 242	100.242.000	360	240	120	340	220	4.000	●	●	●	○	●	●	●	●	●	●	●
AS 244	100.244.000	480	240	120	460	220	6.100	●	●	●	○	●	●	●	●	●	●	●
AS 320	100.320.000	320	320	120	300	300	4.900	●	●	●	○	●	●	●	●	●	●	●
AS 322	100.322.000	480	320	120	460	300	6.600	●	●	●	○	●	●	●	●	●	●	●
AS 324	100.324.000	640	320	120	620	300	8.700	●	●	●	○	●	●	●	●	●	●	●

* TPE moulded gasket

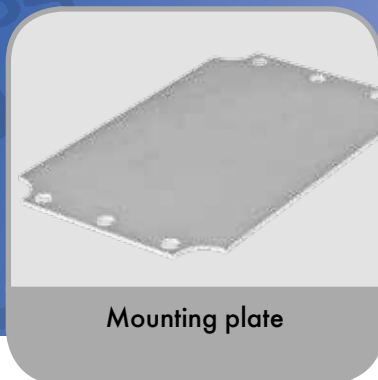
□ Standard ● Available ○ Not available

Approvals:



Technical data

aluNORM AF



Enclosure: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Fastening: Space-saving single-channel technology

Components: Fastening thread M4/M6 in upper and lower section.

Ingress protection: IP66 / EN 60529

Gasket: TPE moulded gasket, silicon-free (-40°C to +120°C)
Chloroprene (CR) Gasket (-30°C to +90°C)

Lid screws: Stainless steel 1.4567 (V2A), captive

Surface: Powder coating RAL 7032, silky grey

Optionally available:

External mounting: Die-cast zinc (Zn Al 4 Cu 1)

Mounting plates: Sheet steel, galvanised

Gasket: Silicon gasket (-50°C to +140°C)
EMC gasket (-55°C to +160°C)

Ingress protection: IP67 / EN 60529

Surface: Corrosion protection, special colours

Further options, see delivery overview.

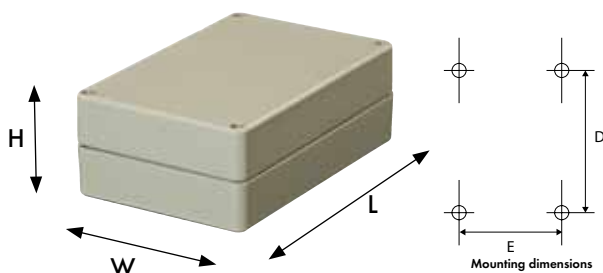
Delivery overview aluNORM AF

Type	Mat. no.	L	W	H	D	E	g	M	D	A	Q	B	L	T	S	HS	EMC	67
* AF 080	102.080.000	80	80	40	67	67	240	●	●	●	●	●	●	○	○	○	●	●
* AF 082	102.082.000	120	80	40	107	67	330	●	●	●	●	●	●	○	○	○	●	●
AF 084	102.084.000	160	80	40	147	67	400	●	○	●	●	●	●	○	○	○	●	○
* AF 100	102.100.000	100	100	54	87	87	420	●	●	●	●	○	●	●	○	○	●	●
* AF 102	102.102.000	150	100	54	137	87	540	●	●	●	●	○	●	●	○	○	●	●
AF 104	102.104.000	200	100	54	187	87	690	●	○	●	●	○	●	●	○	○	●	○
AF 120	102.120.000	120	120	66	102	102	780	●	○	●	●	○	●	●	●	●	●	○
* AF 122	102.122.000	180	120	66	162	102	1.010	●	●	●	●	○	●	●	●	●	●	●
* AF 124	102.124.000	240	120	66	222	102	1.260	●	●	●	●	○	●	●	●	●	●	●
AF 160	102.160.000	160	160	66	142	142	1.130	●	○	●	●	○	●	●	●	●	●	○
* AF 162	102.162.000	240	160	66	222	142	1.560	●	●	●	●	○	●	●	●	●	●	●
AF 164	102.164.000	320	160	66	302	142	1.910	●	○	●	●	○	●	●	●	●	●	○
AF 166	102.166.000	480	160	66	462	142	3.030	●	○	●	●	○	●	●	●	●	●	○
AF 200	102.200.000	200	200	80	180	180	1.780	●	○	●	●	○	●	●	●	●	●	○
AF 202	102.202.000	300	200	80	280	180	2.380	●	○	●	●	○	●	●	●	●	●	○
AF 204	102.204.000	400	200	80	380	180	3.560	●	○	●	●	○	●	●	●	●	●	○
AF 240	102.240.000	240	240	80	220	220	2.380	●	○	●	●	○	●	●	●	●	●	○
AF 242	102.242.000	360	240	80	340	220	3.630	●	○	●	●	○	●	●	●	●	●	○
AF 244	102.244.000	480	240	80	460	220	4.690	●	○	●	●	○	●	●	●	●	●	○
AF 320	102.320.000	320	320	80	300	300	4.000	●	○	●	●	○	●	●	●	●	●	○
AF 322	102.322.000	480	320	80	460	300	5.650	●	○	●	●	○	●	●	●	●	●	○
AF 324	102.324.000	640	320	80	620	300	7.350	●	○	●	●	○	●	●	●	●	●	○

* TPE moulded gasket

□ Standard ● Available ○ Not available

Approvals:



Technical data

aluNORM AD



AD variant



External mounting bracket
AD 080 - AD 166



External mounting feet
AD 200 - AD 324



External hinge



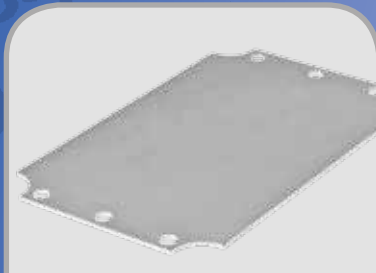
Internal hinge



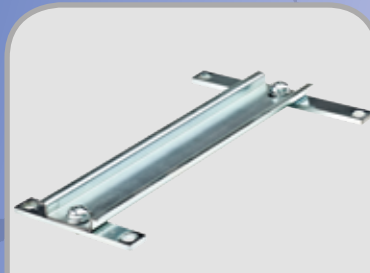
Hold hinge



Mounting rail and terminals



Mounting plate



Cross rail

Enclosure: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Fastening: Space-saving single-channel technology

Components: Fastening thread M4/M6 in upper and lower section.

Ingress protection: IP66 / EN 60529

Gasket: TPE moulded gasket, silicon-free (-40°C to +120°C)
Chloroprene (CR) Gasket (-30°C to +90°C)

Lid screws: Stainless steel 1.4567 (V2A), captive

Surface: Powder coating RAL 7032, silky grey

Optionally available:

External mounting: Die-cast zinc (Zn Al 4 Cu 1)

Mounting plates: Sheet steel, galvanised

Gasket: Silicon gasket (-50°C to +140°C)
EMC gasket (-55°C to +160°C)

Ingress protection: IP67 / EN 60529

Surface: Corrosion protection, special colours

Further options, see delivery overview.

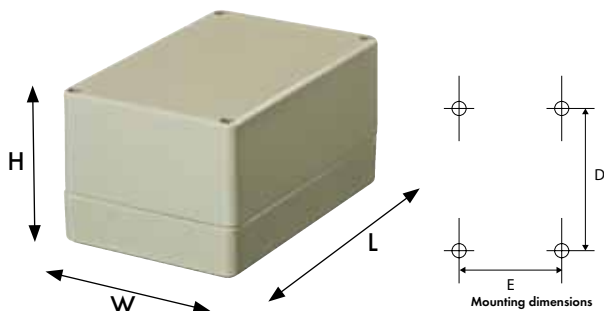
Delivery overview aluNORM AD

Type	Mat. no.	L	W	H	D	E	g	M	D	A	Q	B	L	T	S	IS	HS	EMC	67
* AD 080	101.080.000	80	80	60	67	67	320	●	●	●	●	●	●	●	○	○	○	●	●
* AD 082	101.082.000	120	80	60	107	67	460	●	●	●	●	●	●	●	○	○	○	●	●
* AD 084	101.084.000	160	80	60	147	67	610	●	●	●	●	●	●	●	○	○	○	●	●
* AD 100	101.100.000	100	100	80	87	87	550	●	●	●	●	○	●	●	●	○	●	●	●
* AD 102	101.102.000	150	100	80	137	87	730	●	●	●	●	○	●	●	●	○	●	●	●
* AD 104	101.104.000	200	100	80	187	87	910	●	●	●	●	○	●	●	●	○	●	●	●
* AD 120	101.120.000	120	120	100	102	102	1.070	●	●	●	●	○	●	●	●	●	●	●	●
* AD 122	101.122.000	180	120	100	162	102	1.310	●	●	●	●	○	●	●	●	●	●	●	●
* AD 124	101.124.000	240	120	100	222	102	1.680	●	●	●	●	○	●	●	●	●	●	●	●
* AD 160	101.160.000	160	160	100	142	142	1.520	●	●	●	●	○	●	●	●	●	●	●	●
* AD 162	101.162.000	240	160	100	222	142	1.980	●	●	●	●	○	●	●	●	●	●	●	●
AD 164	101.164.000	320	160	100	302	142	2.480	●	●	●	●	○	●	●	●	●	●	●	●
AD 166	101.166.000	480	160	100	462	142	3.900	●	●	●	●	○	●	●	●	●	●	●	●
AD 200	101.200.000	200	200	120	180	180	2.480	●	●	●	●	○	●	●	●	●	●	●	●
AD 202	101.202.000	300	200	120	280	180	3.250	●	●	●	●	○	●	●	●	●	●	●	●
AD 204	101.204.000	400	200	120	380	180	4.700	●	●	●	●	○	●	●	●	●	●	●	●
AD 240	101.240.000	240	240	120	220	220	3.400	●	●	●	●	○	●	●	●	●	●	●	●
AD 242	101.242.000	360	240	120	340	220	4.000	●	●	●	●	○	●	●	●	●	●	●	●
AD 244	101.244.000	480	240	120	460	220	6.100	●	●	●	●	○	●	●	●	●	●	●	●
AD 320	101.320.000	320	320	120	300	300	4.900	●	●	●	●	○	●	●	●	●	●	●	●
AD 322	101.322.000	480	320	120	460	300	6.600	●	●	●	●	○	●	●	●	●	●	●	●
AD 324	101.324.000	640	320	120	620	300	8.700	●	●	●	●	○	●	●	●	●	●	●	●

* TPE moulded gasket

□ Standard ● Available ○ Not available

Approvals:



Technical data

alUNORM AH



AH variant



External mounting bracket
AH 100 - AH 166



External mounting feet
AH 200 - AH 244



External hinge



Internal hinge



Hold hinge



Mounting rail and terminals



Mounting plate

Enclosure: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Fastening: Space-saving single-channel technology

Components: Fastening thread M4/M6 in upper and lower section.

Ingress protection: IP66 / EN 60529

Gasket: TPE moulded gasket, silicon-free (-40°C to +120°C)
Chloroprene (CR) Gasket (-30°C to +90°C)

Lid screws: Stainless steel 1.4567 (V2A), captive

Surface: Powder coating RAL 7032, silky grey

Optionally available:

External mounting: Die-cast zinc (Zn Al 4 Cu 1)

Mounting plates: Sheet steel, galvanised

Gasket: Silicon gasket (-50°C to +140°C)
EMC gasket (-55°C to +160°C)

Ingress protection: IP67 / EN 60529

Surface: Corrosion protection, special colours

Further options, see delivery overview.

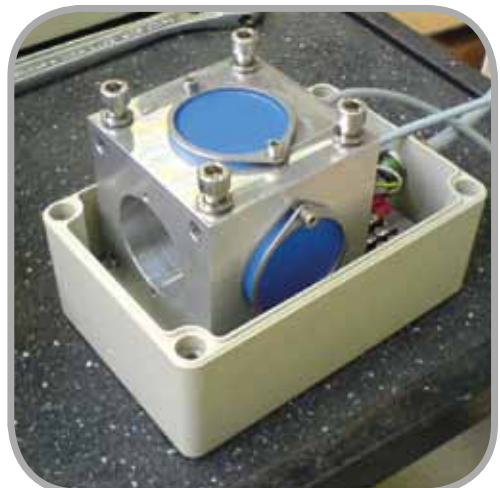
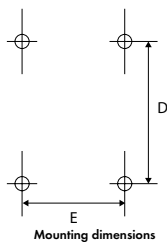
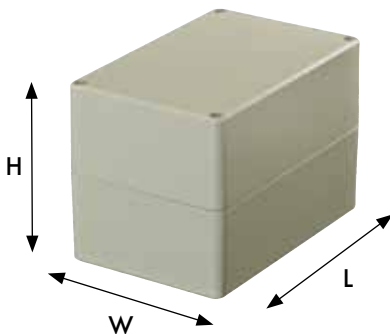
Delivery overview aluNORM AH

Type	Mat. no.	L	W	H	D	E	g	M	D	A	L	T	S	HS	EMC	67
* AH 100	103.100.000	100	100	106	87	87	630	●	●	●	●	●	●	●	●	●
AH 102	103.102.000	150	100	106	137	87	760	●	○	●	●	●	●	●	○	○
AH 104	103.104.000	200	100	106	187	87	940	●	○	●	●	●	●	●	○	○
AH 120	103.120.000	120	120	134	102	102	1.280	●	○	●	●	●	●	●	○	○
AH 122	103.122.000	180	120	134	162	102	1.560	●	○	●	●	●	●	●	○	○
AH 124	103.124.000	240	120	134	222	102	2.000	●	○	●	●	●	●	●	○	○
* AH 160	103.160.000	160	160	134	142	142	1.810	●	●	●	●	●	●	●	●	●
AH 162	103.162.000	240	160	134	222	142	2.300	●	○	●	●	●	●	●	○	○
AH 164	103.164.000	320	160	134	302	142	2.950	●	○	●	●	●	●	●	○	○
AH 166	103.166.000	480	160	134	462	142	4.640	●	○	●	●	●	●	●	○	○
AH 200	103.200.000	200	200	159	180	180	2.950	●	○	●	●	●	●	●	○	○
AH 202	103.202.000	300	200	159	280	180	3.880	●	○	●	●	●	●	●	○	○
AH 204	103.204.000	400	200	159	380	180	5.600	●	○	●	●	●	●	●	○	○
AH 240	103.240.000	240	240	159	220	220	4.050	●	○	●	●	●	●	●	○	○
AH 242	103.242.000	360	240	159	340	220	4.760	●	○	●	●	●	●	●	○	○
AH 244	103.244.000	480	240	159	460	220	7.260	●	○	●	●	●	●	●	○	○

* TPE moulded gasket

□ Standard ● Available ○ Not available

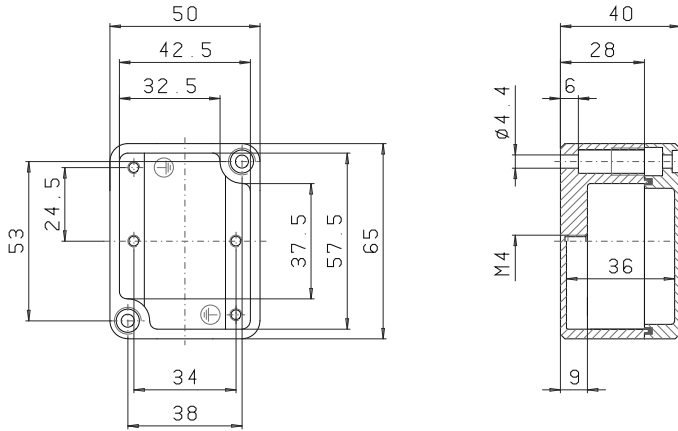
Approvals:



ROLEC Attachment and mounting dimensions

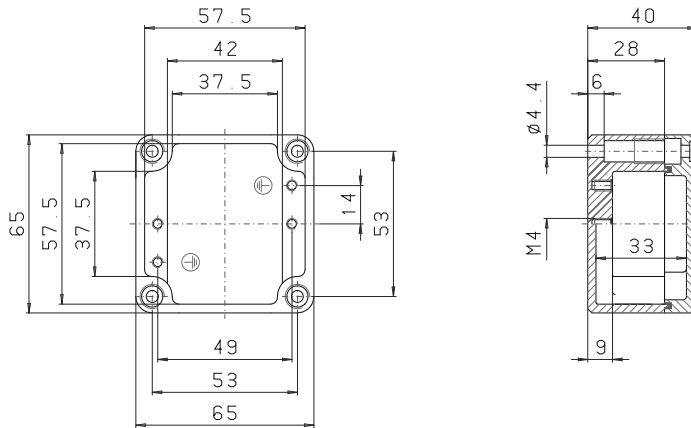
aluNORM AS

AS 060



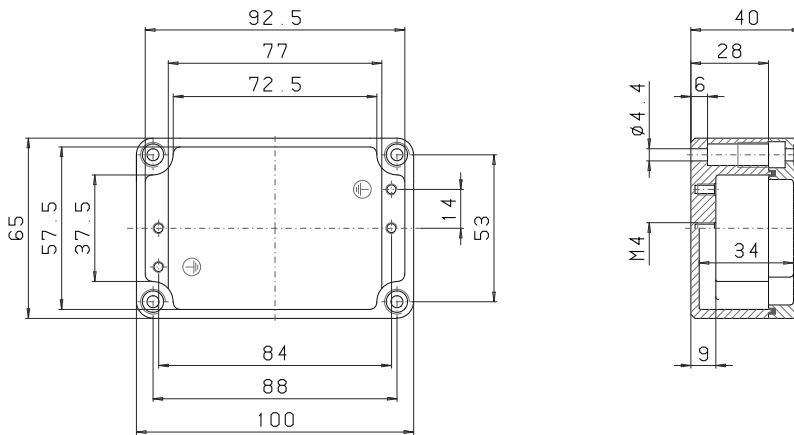
Maximum number of cable glands per enclosure side			
C	A	A/B/C/D	
	B	D	
		PG 7	2 1
M 16		PG 9	1 1
		PG 11	1
M 20		PG 13,5	1
		PG 16	
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

AS 062



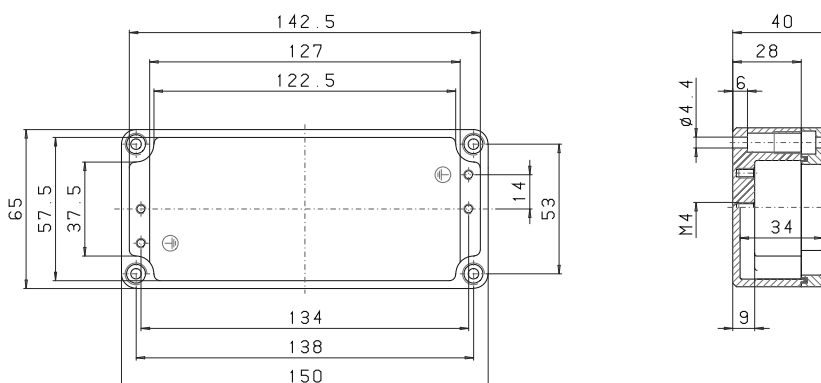
Maximum number of cable glands per enclosure side			
C	A	A/B/C/D	
	B	D	
		PG 7	2 2
M 16		PG 9	1 1
		PG 11	1
M 20		PG 13,5	1
		PG 16	
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

AS 064



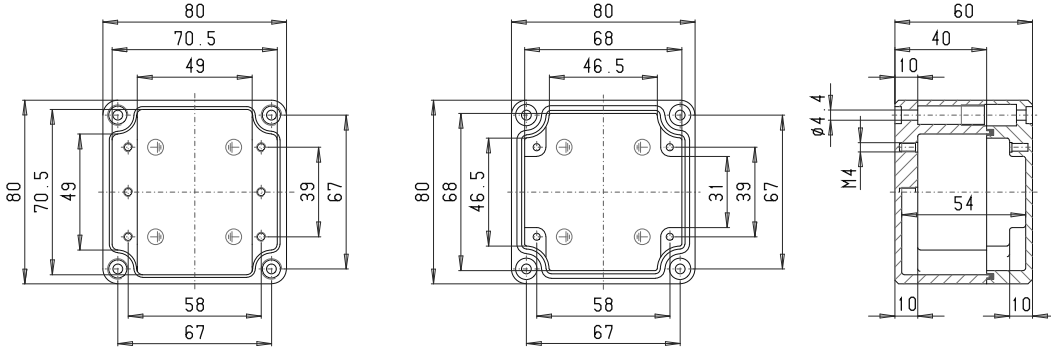
Maximum number of cable glands per enclosure side			
C	A	A/B/C/D	
	B	D	
		PG 7	4 2
M 16		PG 9	3 1
		PG 11	3
M 20		PG 13,5	2
		PG 16	
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

AS 066



Maximum number of cable glands per enclosure side			
C	A	A/B/C/D	
	B	D	
		PG 7	7 2
M 16		PG 9	5 1
		PG 11	4
M 20		PG 13,5	4
		PG 16	
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

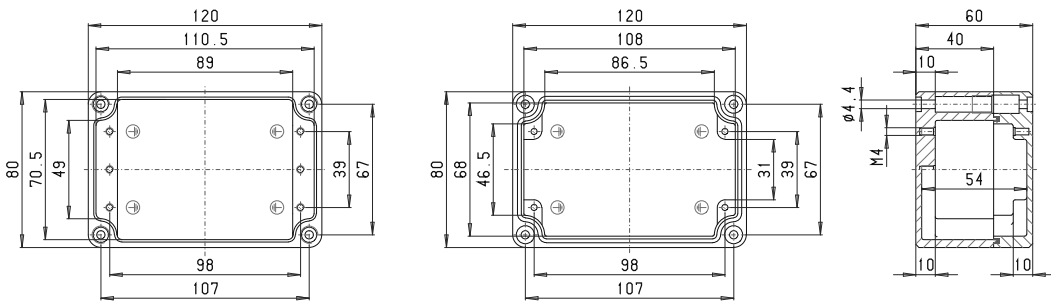
AS 080



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	6 4
M 16			PG 9	3 2
			PG 11	2 2
M 20			PG 13,5	2 2
			PG 16	1 1
M 25			PG 21	1
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

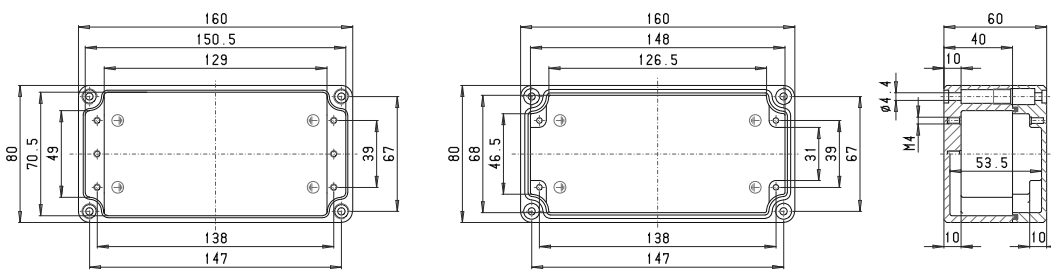
AS 082



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	10 4
M 16			PG 9	7 2
			PG 11	3 2
M 20			PG 13,5	3 2
			PG 16	2 1
M 25			PG 21	2
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

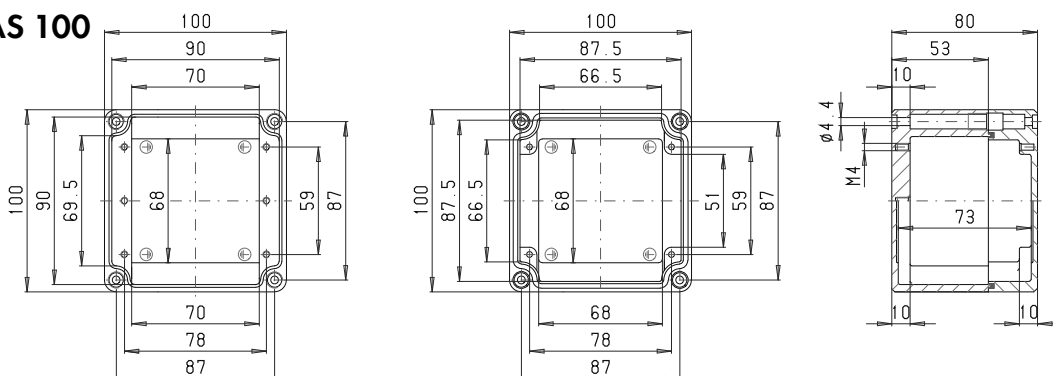
AS 084



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	14 4
M 16			PG 9	11 2
			PG 11	5 2
M 20			PG 13,5	4 2
			PG 16	4 1
M 25			PG 21	3
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

AS 100



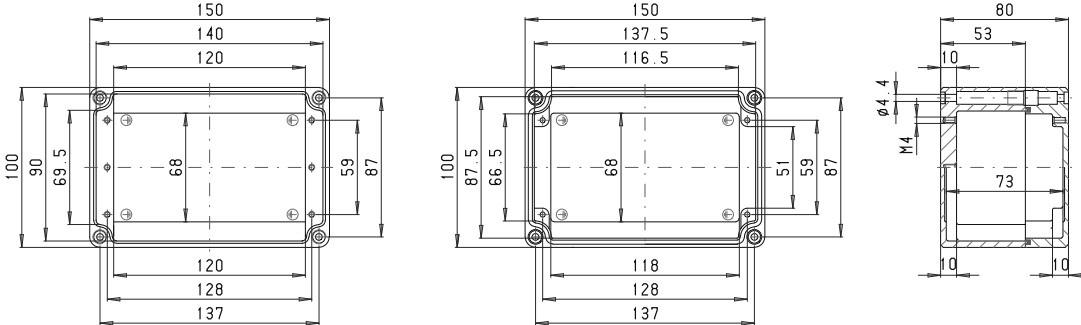
Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	11 8
M 16			PG 9	6 5
			PG 11	5 3
M 20			PG 13,5	4 3
			PG 16	2 2
M 25			PG 21	2 2
M 32			PG 29	1 1
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

ROLEC Attachment and mounting dimensions

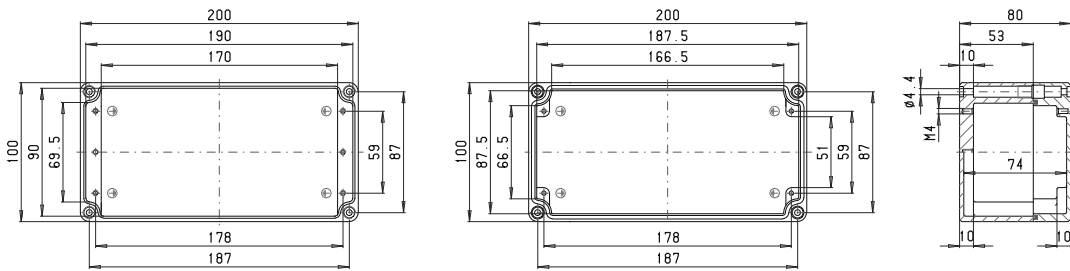
aluNORM AS

AS 102



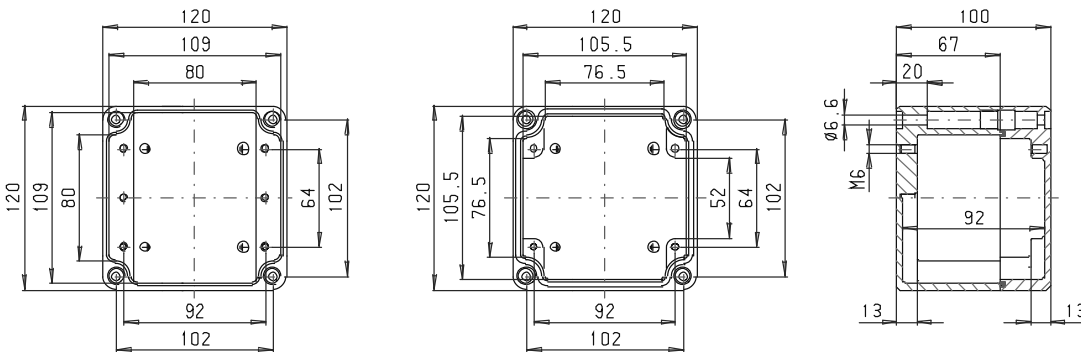
Maximum number of cable glands per enclosure side			
A	B	C	D
PG 7	18	8	
M 16	PG 9	10	5
	PG 11	8	3
M 20	PG 13,5	6	3
	PG 16	4	2
M 25	PG 21	3	2
M 32	PG 29	2	1
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AS 104



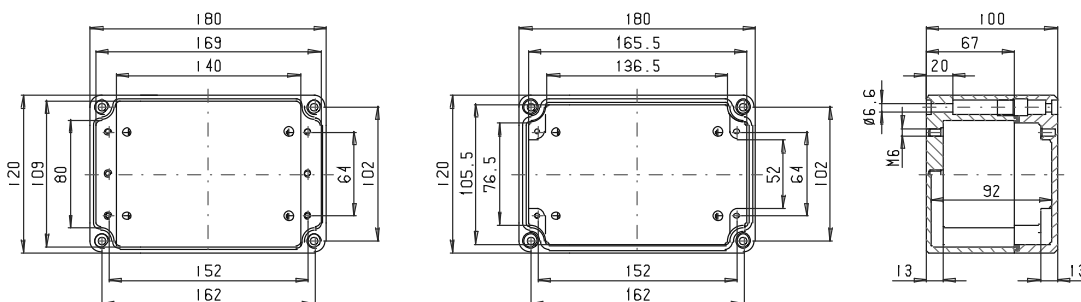
Maximum number of cable glands per enclosure side			
A	B	C	D
PG 7	26	8	
M 16	PG 9	18	5
	PG 11	12	3
M 20	PG 13,5	9	3
	PG 16	6	2
M 25	PG 21	4	2
M 32	PG 29	3	
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AS 120



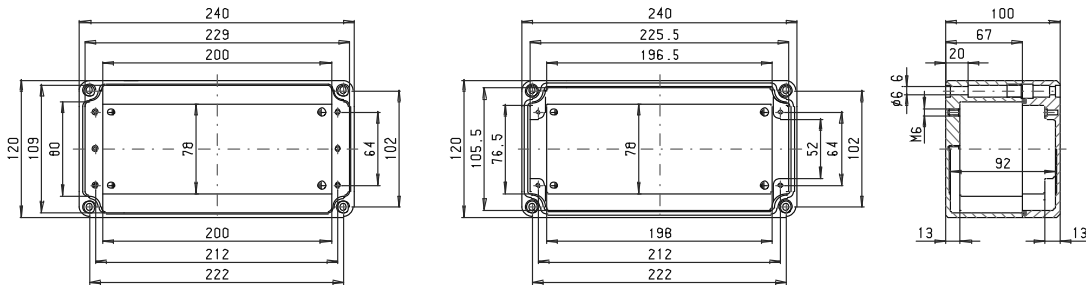
Maximum number of cable glands per enclosure side			
A	B	C	D
PG 7	14	12	
M 16	PG 9	11	8
	PG 11	6	6
M 20	PG 13,5	6	6
	PG 16	4	3
M 25	PG 21	3	2
M 32	PG 29	1	1
M 40	PG 36	1	1
M 50	PG 42		
M 63	PG 48		

AS 122



Maximum number of cable glands per enclosure side			
A	B	C	D
PG 7	26	12	
M 16	PG 9	18	8
	PG 11	11	6
M 20	PG 13,5	10	6
	PG 16	8	3
M 25	PG 21	5	2
M 32	PG 29	3	1
M 40	PG 36	2	1
M 50	PG 42		
M 63	PG 48		

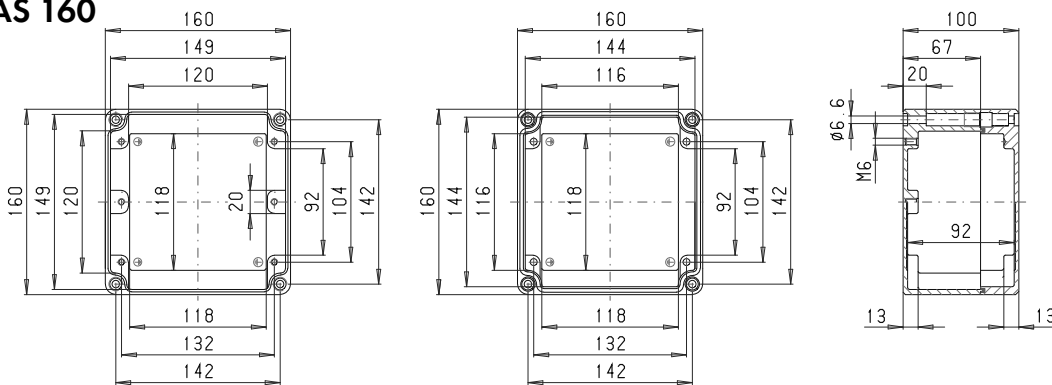
AS 124



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B/C/D
	B	PG 7	40 12
M 16		PG 9	26 8
		PG 11	17 6
M 20		PG 13,5	14 6
		PG 16	12 3
M 25		PG 21	7 2
M 32		PG 29	4 1
M 40		PG 36	3 1
M 50		PG 42	
M 63		PG 48	

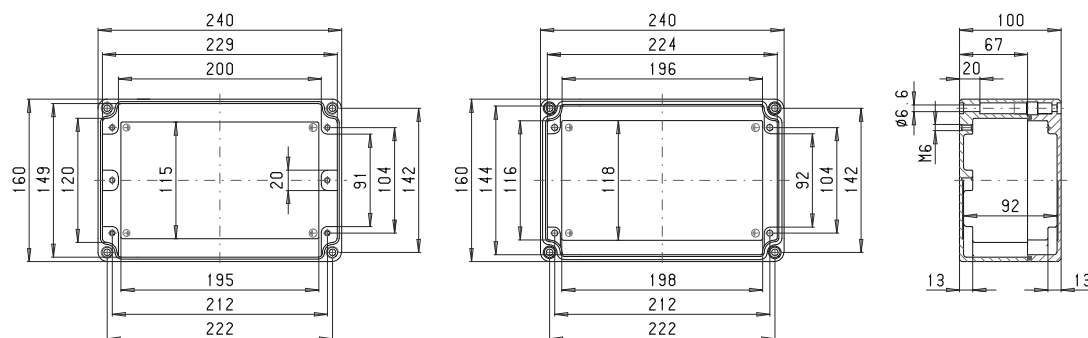
AS 160



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B/C/D
	B	PG 7	22 18
M 16		PG 9	15 12
		PG 11	9 8
M 20		PG 13,5	8 8
		PG 16	6 4
M 25		PG 21	4 3
M 32		PG 29	2 2
M 40		PG 36	2 2
M 50		PG 42	
M 63		PG 48	

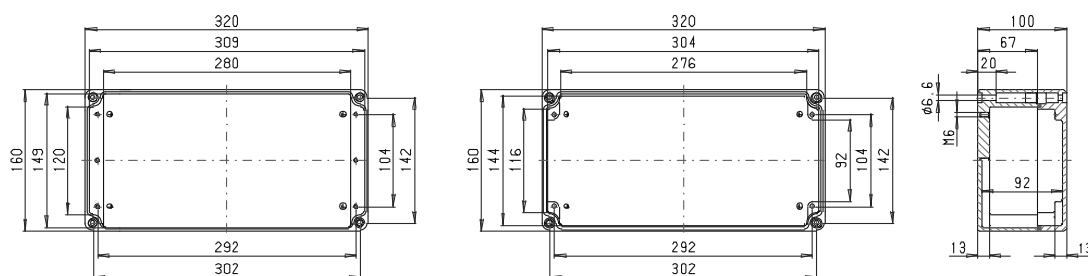
AS 162



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B/C/D
	B	PG 7	40 18
M 16		PG 9	26 12
		PG 11	17 8
M 20		PG 13,5	14 8
		PG 16	12 4
M 25		PG 21	7 3
M 32		PG 29	4 2
M 40		PG 36	3 2
M 50		PG 42	
M 63		PG 48	

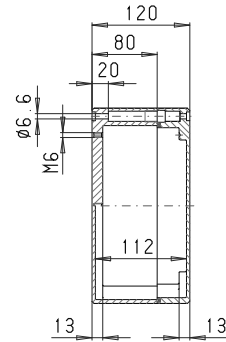
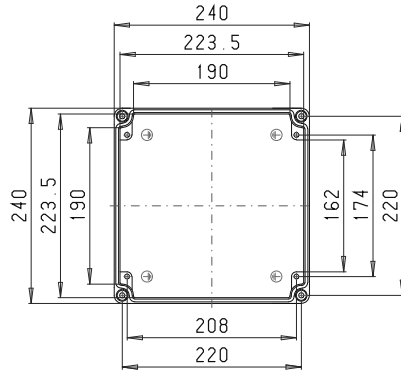
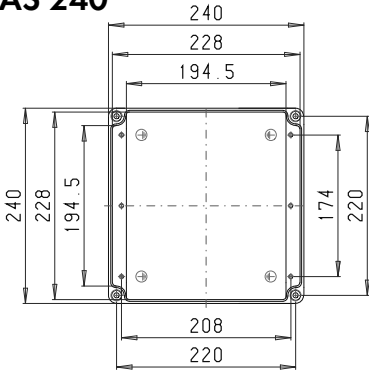
AS 164



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B/C/D
	B	PG 7	56 18
M 16		PG 9	36 12
		PG 11	23 8
M 20		PG 13,5	18 8
		PG 16	16 4
M 25		PG 21	10 3
M 32		PG 29	6 2
M 40		PG 36	4 2
M 50		PG 42	
M 63		PG 48	

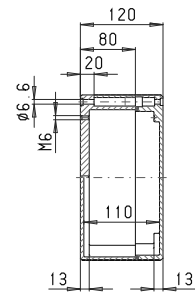
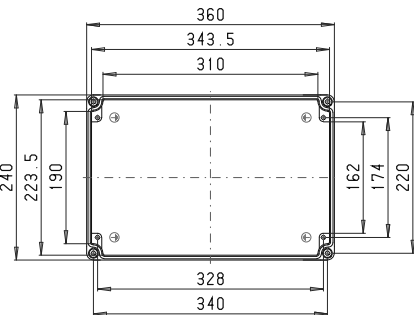
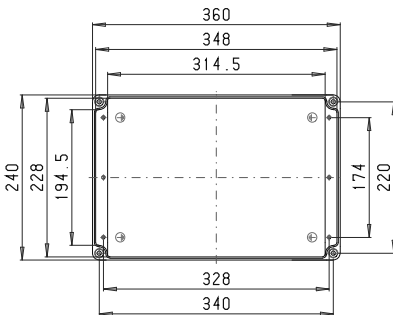
AS 240



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
B		PG 7	38 38
M 16		PG 9	24 24
		PG 11	21 17
M 20		PG 13,5	17 14
		PG 16	12 12
M 25		PG 21	10 7
M 32		PG 29	5 4
M 40		PG 36	3 3
M 50		PG 42	
M 63		PG 48	

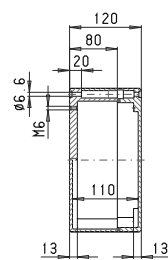
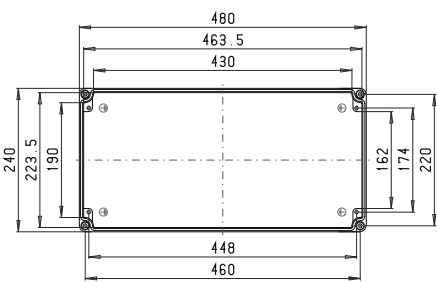
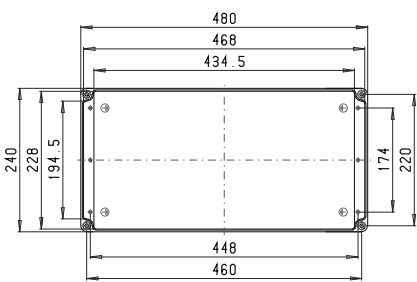
AS 242



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
B		PG 7	62 38
M 16		PG 9	45 24
		PG 11	35 17
M 20		PG 13,5	27 14
		PG 16	18 12
M 25		PG 21	16 7
M 32		PG 29	8 4
M 40		PG 36	5 3
M 50		PG 42	
M 63		PG 48	

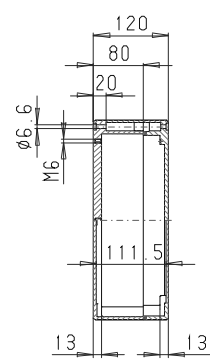
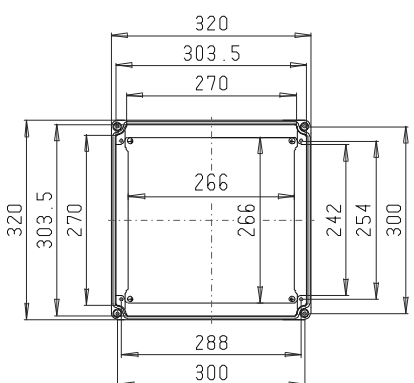
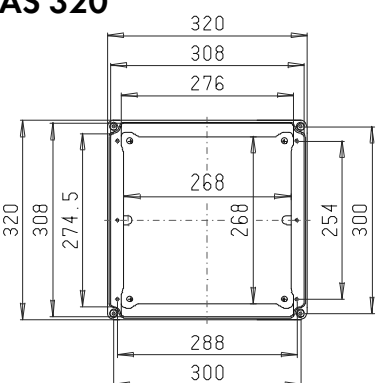
AS 244



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
B		PG 7	86 38
M 16		PG 9	60 24
		PG 11	48 17
M 20		PG 13,5	38 14
		PG 16	26 12
M 25		PG 21	22 7
M 32		PG 29	11 4
M 40		PG 36	7 3
M 50		PG 42	
M 63		PG 48	

AS 320



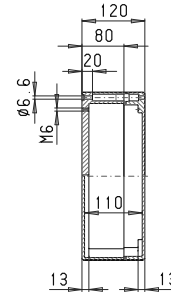
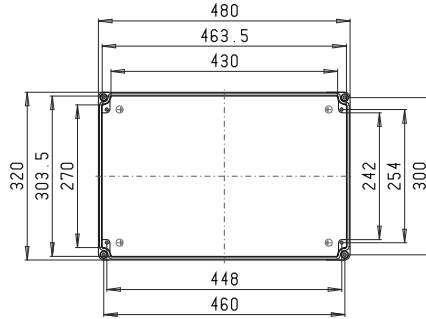
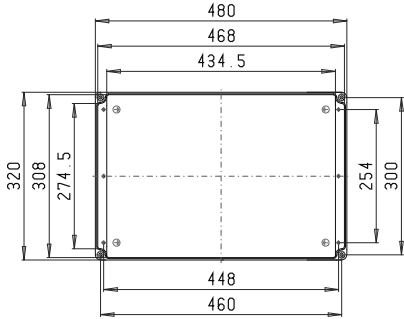
Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
B		PG 7	54 54
M 16		PG 9	36 36
		PG 11	30 23
M 20		PG 13,5	24 18
		PG 16	16 16
M 25		PG 21	14 10
M 32		PG 29	7 6
M 40		PG 36	4 4
M 50		PG 42	
M 63		PG 48	

ROLEC Attachment and mounting dimensions

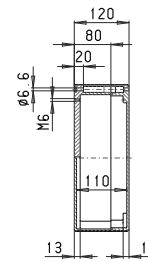
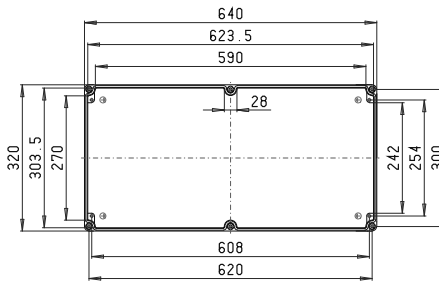
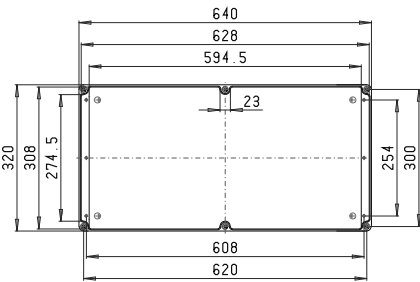
aluNORM AS/AF

AS 322



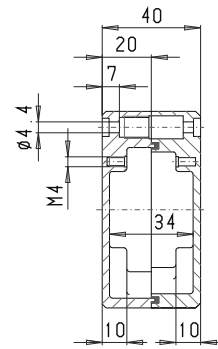
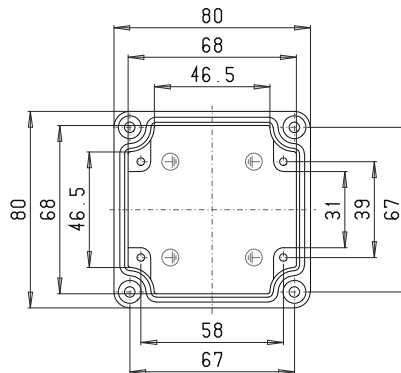
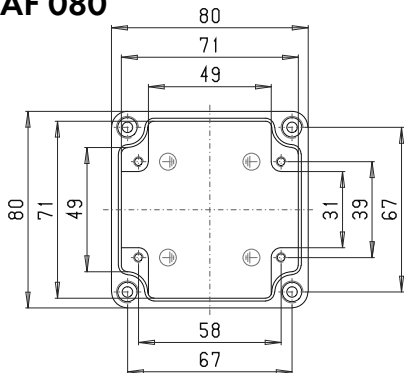
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
PG 7	86	54	
M 16	PG 9	57	36
	PG 11	48	23
M 20	PG 13,5	38	18
	PG 16	26	16
M 25	PG 21	22	10
M 32	PG 29	11	6
M 40	PG 36	7	4
M 50	PG 42		
M 63	PG 48		

AS 324



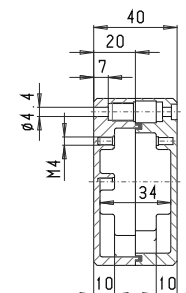
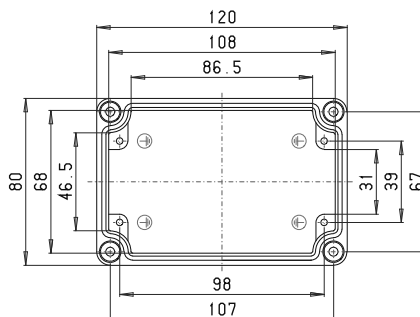
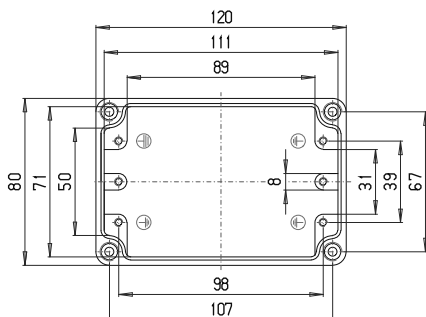
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
PG 7	112	54	
M 16	PG 9	72	36
	PG 11	60	23
M 20	PG 13,5	48	18
	PG 16	32	16
M 25	PG 21	28	10
M 32	PG 29	14	6
M 40	PG 36	8	4
M 50	PG 42		
M 63	PG 48		

AF 080



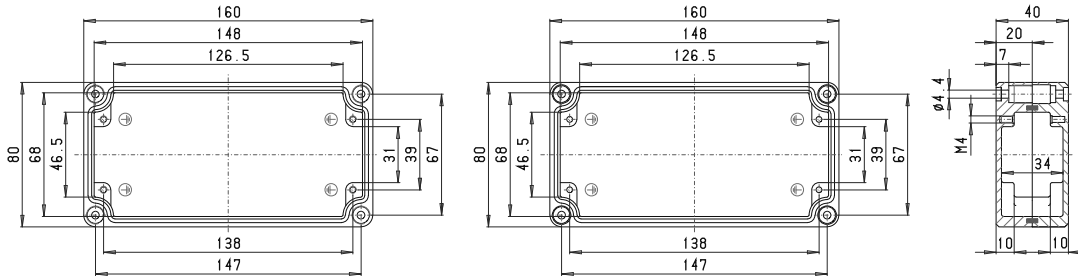
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
PG 7	2	2	
M 16	PG 9		
	PG 11		
M 20	PG 13,5		
	PG 16		
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AF 082



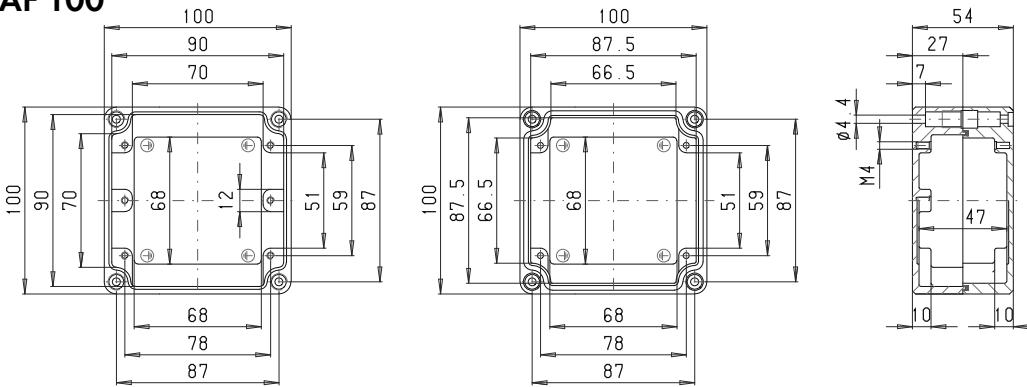
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
PG 7	5	2	
M 16	PG 9		
	PG 11		
M 20	PG 13,5		
	PG 16		
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AF 084



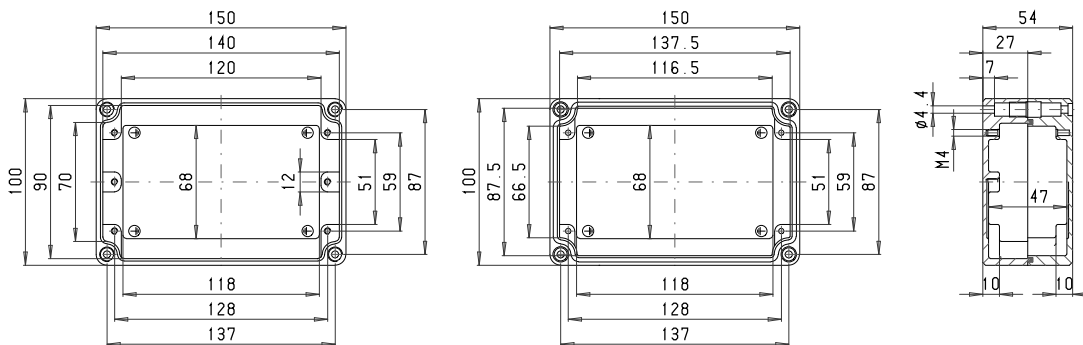
Maximum number of cable glands per enclosure side			
C	A B	A/B/C/D	
		D	
		PG 7	7 2
M 16		PG 9	
		PG 11	
M 20		PG 13,5	
		PG 16	
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

AF 100



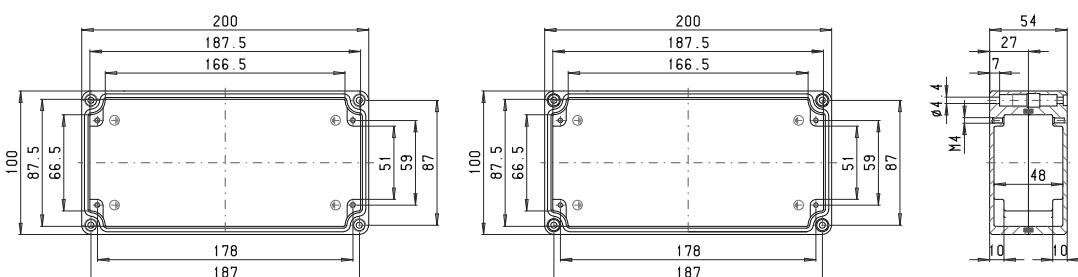
Maximum number of cable glands per enclosure side			
C	A B	A/B/C/D	
		D	
		PG 7	3 3
M 16		PG 9	3 2
		PG 11	
M 20		PG 13,5	
		PG 16	
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

AF 102



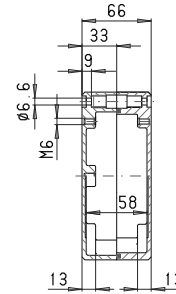
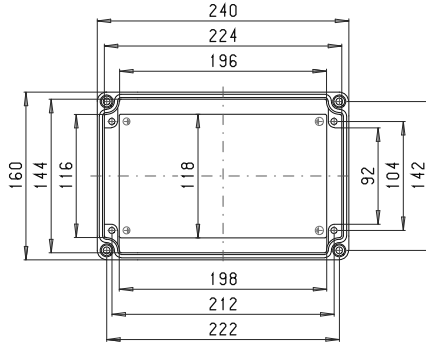
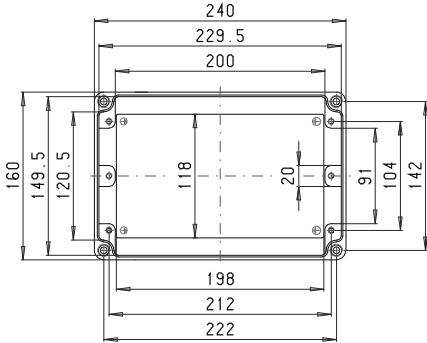
Maximum number of cable glands per enclosure side			
C	A B	A/B/C/D	
		D	
		PG 7	6 3
M 16		PG 9	5 2
		PG 11	
M 20		PG 13,5	
		PG 16	
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

AF 104



Maximum number of cable glands per enclosure side			
C	A B	A/B/C/D	
		D	
		PG 7	9 3
M 16		PG 9	7 2
		PG 11	
M 20		PG 13,5	
		PG 16	
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

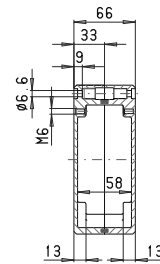
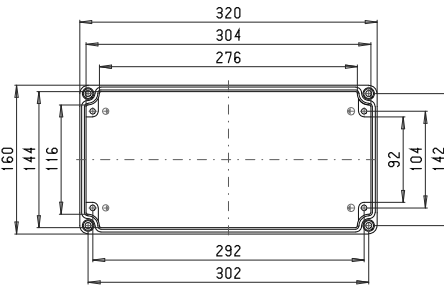
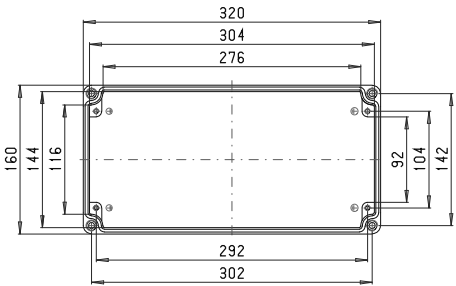
AF 162



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B/C/D
	B	PG 7	12 5
M 16		PG 9	9 4
		PG 11	7 3
M 20		PG 13,5	7 3
		PG 16	6 2
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

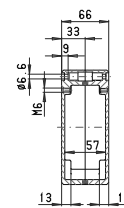
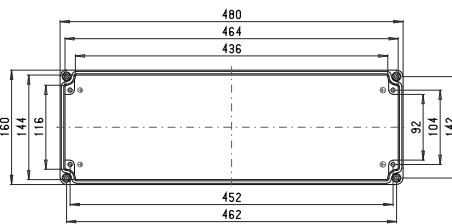
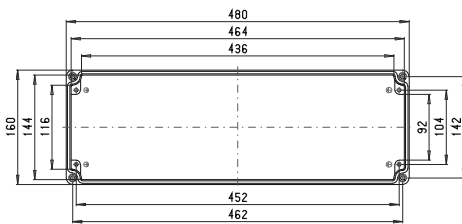
AF 164



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B/C/D
	B	PG 7	17 5
M 16		PG 9	12 4
		PG 11	10 3
M 20		PG 13,5	9 3
		PG 16	8 2
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

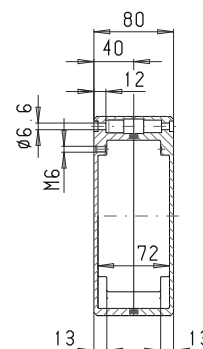
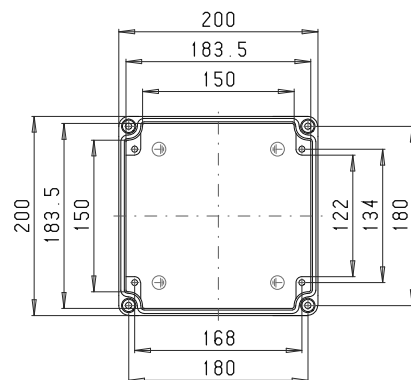
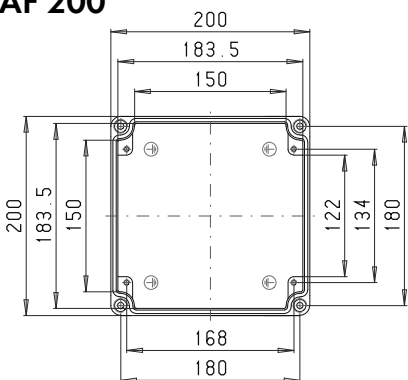
AF 166



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B/C/D
	B	PG 7	28 5
M 16		PG 9	19 4
		PG 11	16 3
M 20		PG 13,5	13 3
		PG 16	13 2
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

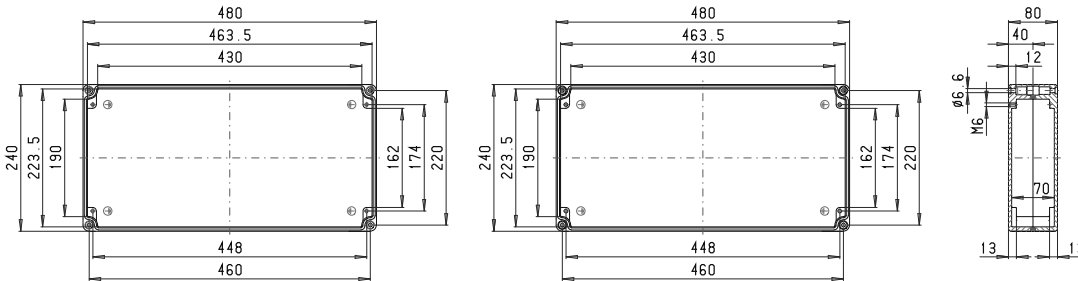
AF 200



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B/C/D
	B	PG 7	12 11
M 16		PG 9	7 7
		PG 11	5 5
M 20		PG 13,5	5 5
		PG 16	4 4
M 25		PG 21	4 3
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

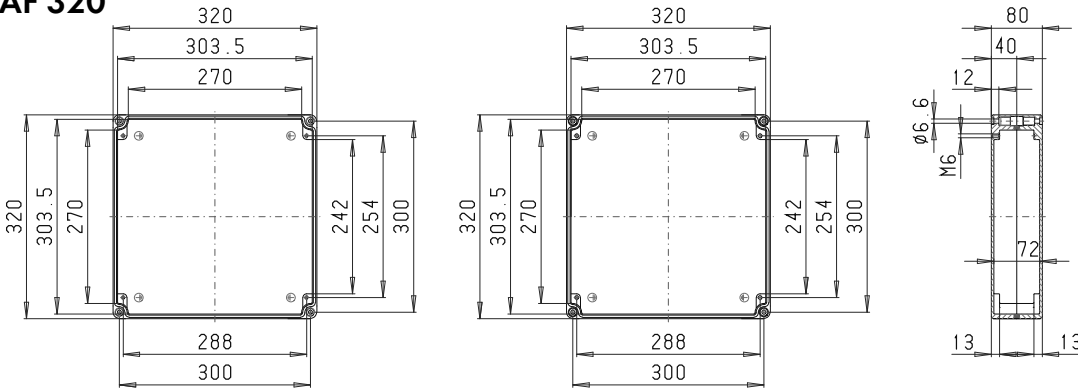
AF 244



Maximum number of cable glands per enclosure side

A C □ D B	PG 7	A/B/C/D	
		34	15
M 16	PG 9	20	9
	PG 11	16	7
M 20	PG 13,5	15	6
	PG 16	12	5
M 25	PG 21	11	4
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

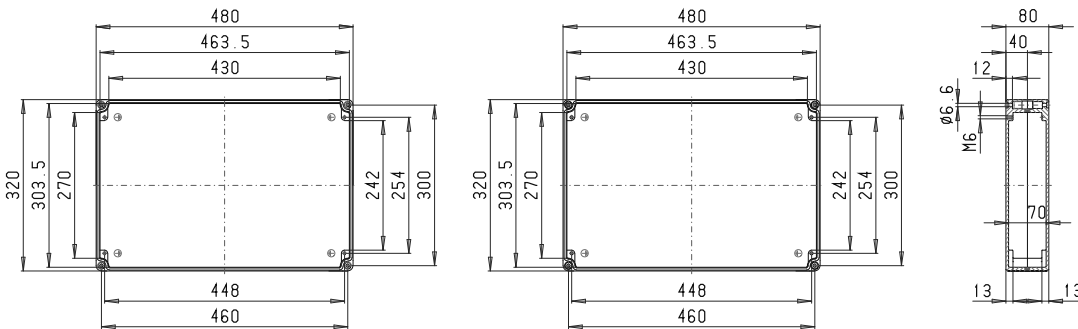
AF 320



Maximum number of cable glands per enclosure side

A C □ D B	PG 7	A/B/C/D	
		21	21
M 16	PG 9	13	13
	PG 11	10	10
M 20	PG 13,5	10	9
	PG 16	8	7
M 25	PG 21	7	6
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

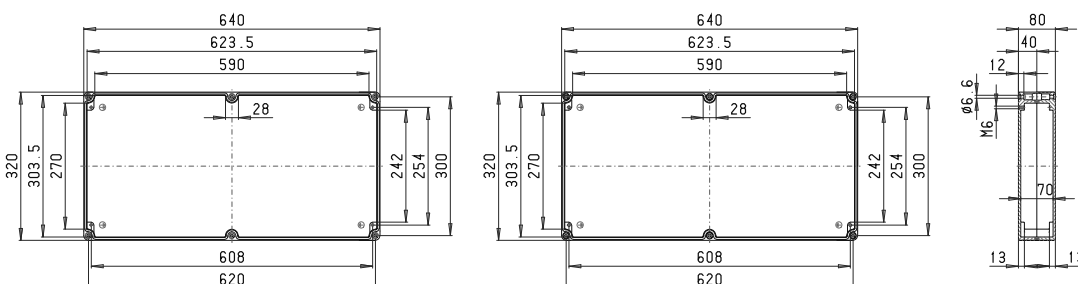
AF 322



Maximum number of cable glands per enclosure side

A C □ D B	PG 7	A/B/C/D	
		34	21
M 16	PG 9	21	13
	PG 11	16	10
M 20	PG 13,5	15	9
	PG 16	12	7
M 25	PG 21	11	6
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AF 324



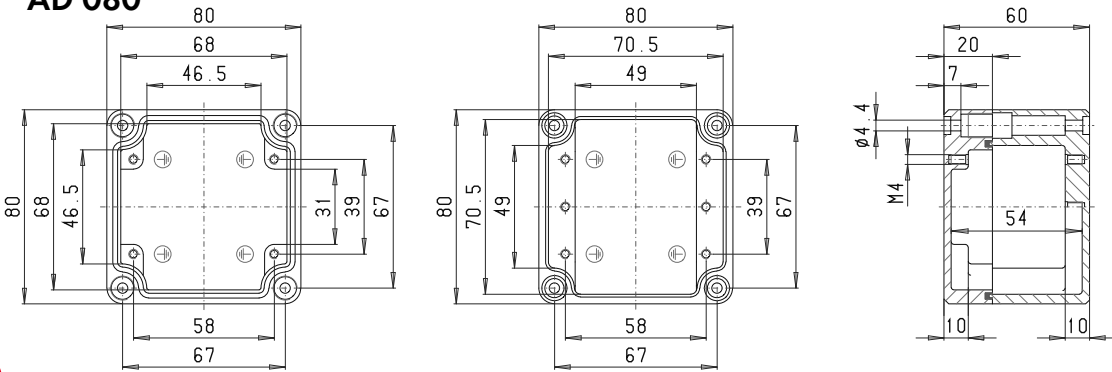
Maximum number of cable glands per enclosure side

A C □ D B	PG 7	A/B/C/D	
		44	21
M 16	PG 9	28	13
	PG 11	20	10
M 20	PG 13,5	20	9
	PG 16	16	7
M 25	PG 21	14	6
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

ROLEC Attachment and mounting dimensions

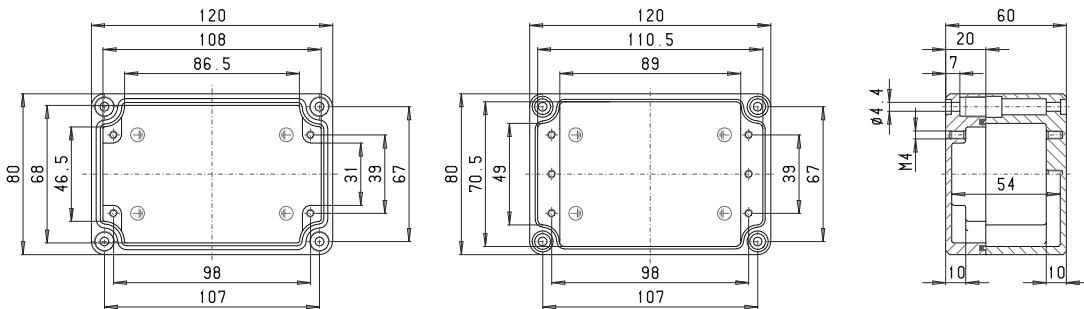
aluNORM AD

AD 080



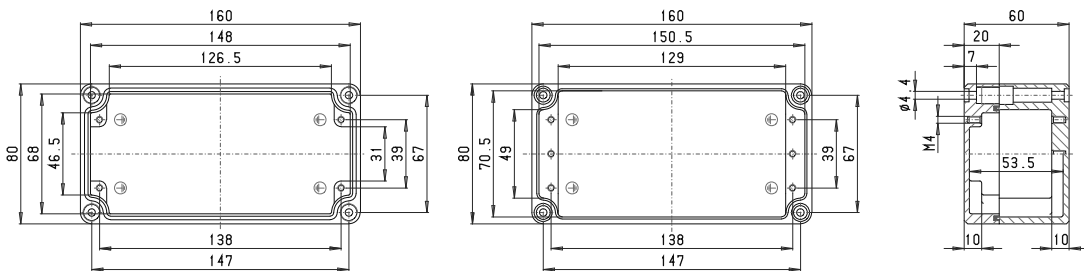
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
M 16	PG 7	2	2
	PG 9		
	PG 11		
M 20	PG 13,5		
	PG 16		
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AD 082



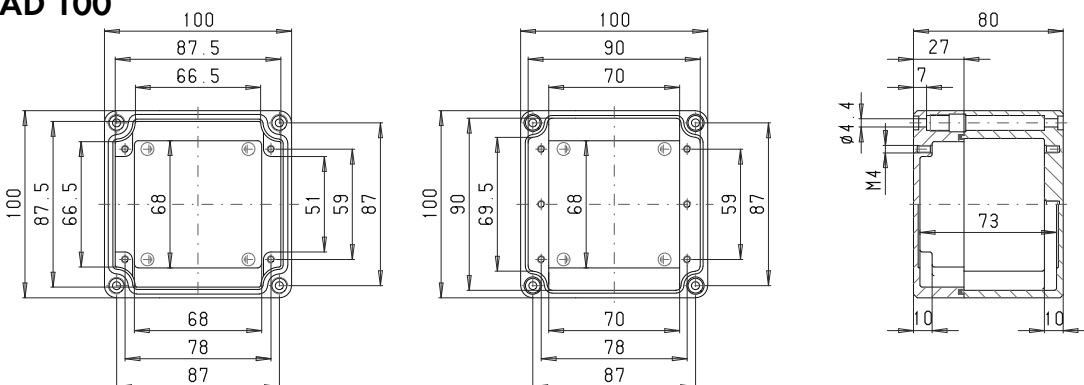
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
M 16	PG 7	5	2
	PG 9		
	PG 11		
M 20	PG 13,5		
	PG 16		
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AD 084



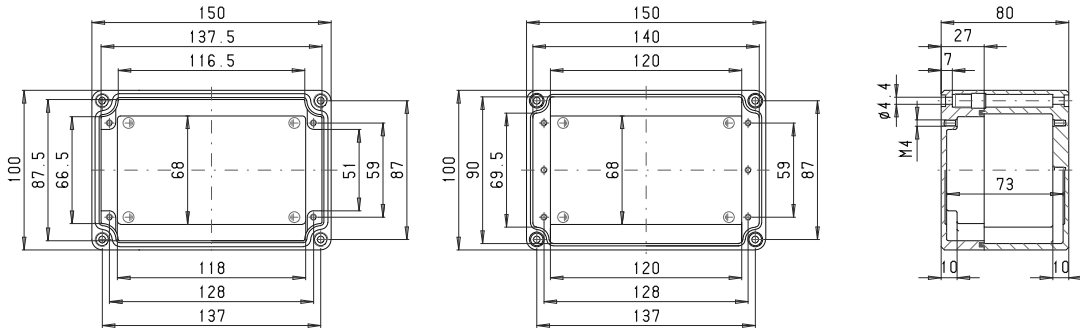
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
M 16	PG 7	7	2
	PG 9		
	PG 11		
M 20	PG 13,5		
	PG 16		
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AD 100



Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
M 16	PG 7	3	3
	PG 9	3	2
	PG 11		
M 20	PG 13,5		
	PG 16		
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

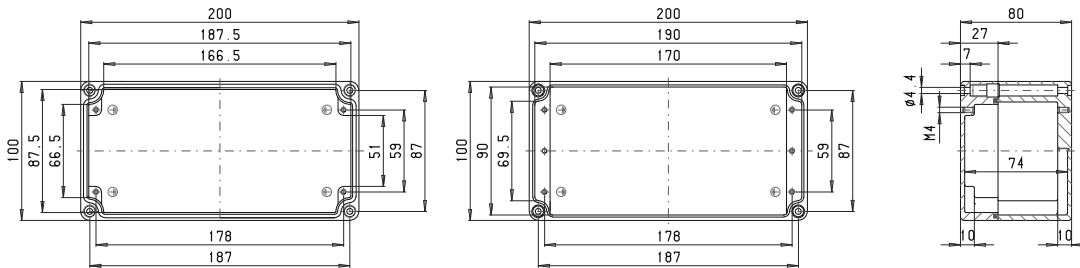
AD 102



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B
B		PG 7	6 3
M 16		PG 9	5 2
		PG 11	
M 20		PG 13,5	
		PG 16	
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

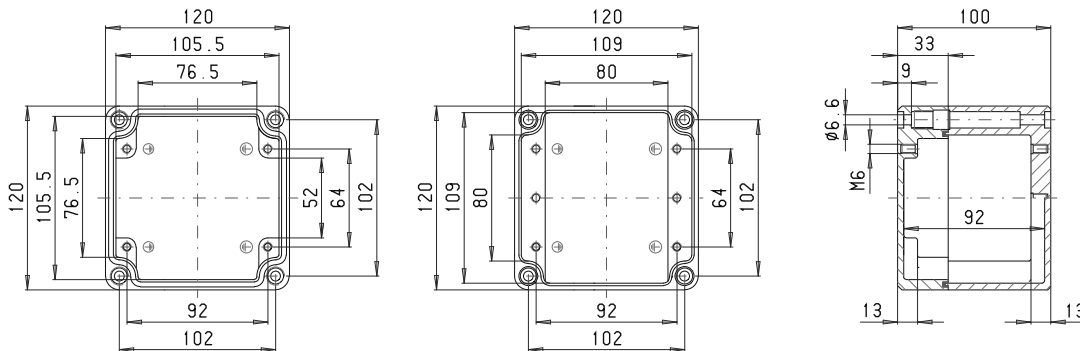
AD 104



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B
B		PG 7	9 3
M 16		PG 9	7 2
		PG 11	
M 20		PG 13,5	
		PG 16	
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

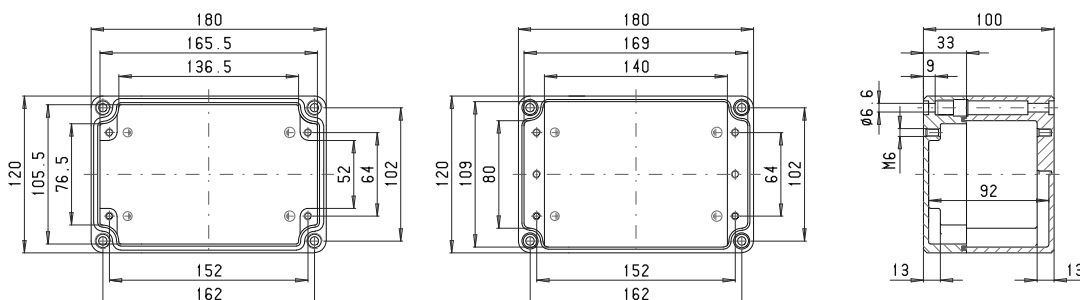
AD 120



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B
B		PG 7	4 3
M 16		PG 9	3 3
		PG 11	3 2
M 20		PG 13,5	2 2
		PG 16	2 1
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

AD 122



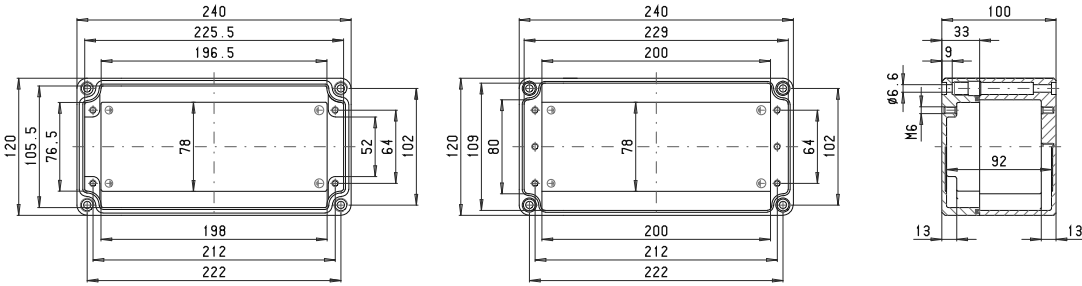
Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B
B		PG 7	8 3
M 16		PG 9	6 3
		PG 11	5 2
M 20		PG 13,5	5 2
		PG 16	4 1
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

ROLEC Attachment and mounting dimensions

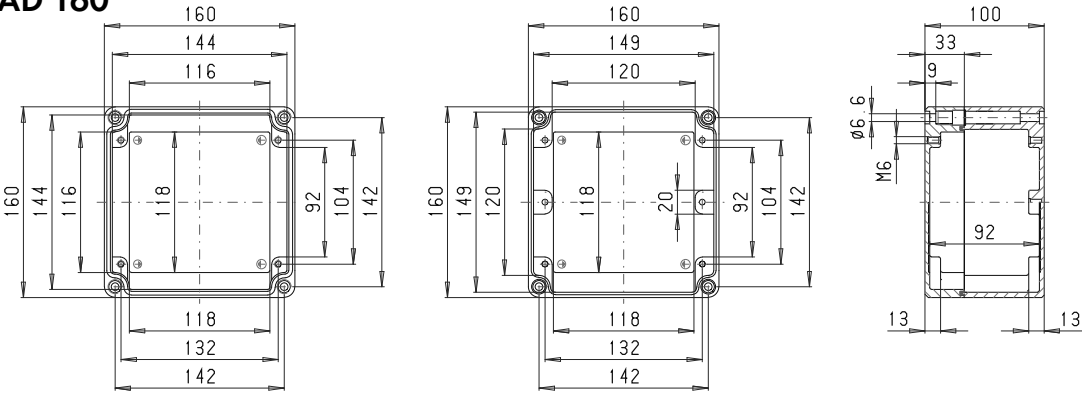
aluNORM AD

AD 124



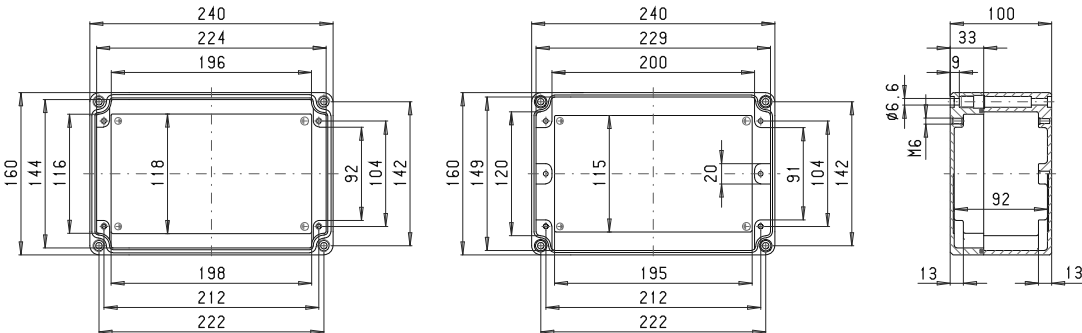
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
PG 7	12	3	
M 16	PG 9	9	3
	PG 11	7	2
M 20	PG 13,5	7	2
	PG 16	6	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AD 160



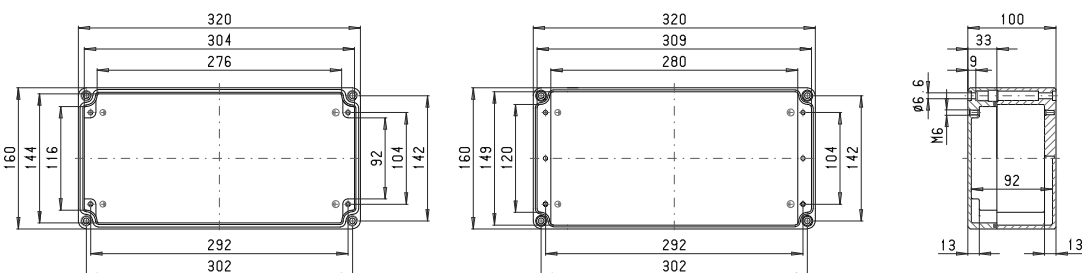
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
PG 7	7	5	
M 16	PG 9	5	4
	PG 11	4	3
M 20	PG 13,5	4	3
	PG 16	3	2
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AD 162



Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
PG 7	12	5	
M 16	PG 9	9	4
	PG 11	7	3
M 20	PG 13,5	7	3
	PG 16	6	2
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AD 164

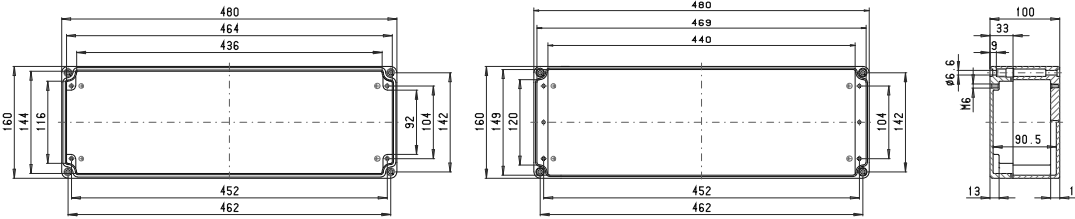


Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
PG 7	17	5	
M 16	PG 9	12	4
	PG 11	10	3
M 20	PG 13,5	9	3
	PG 16	8	2
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AD 166

Maximum number of cable glands per enclosure side

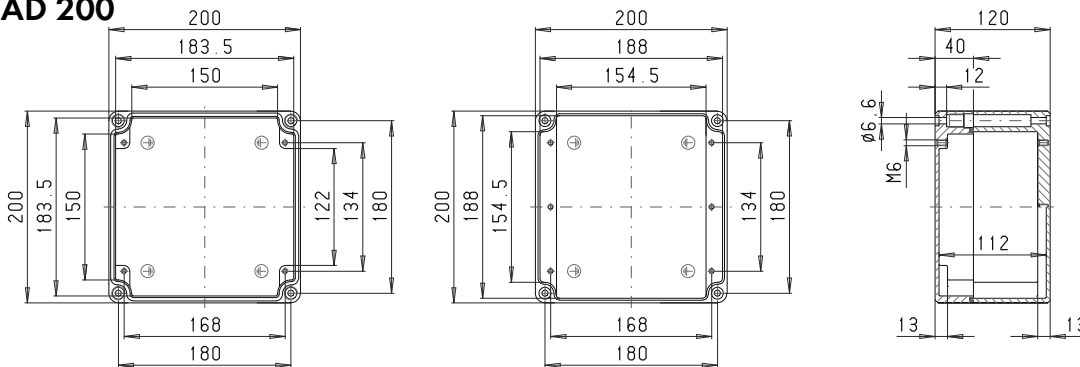
A		A/B/C/D	
C	D	A	B/C/D
B		PG 7	28 5
M 16		PG 9	19 4
		PG 11	16 3
M 20		PG 13,5	13 3
		PG 16	13 2
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	



AD 200

Maximum number of cable glands per enclosure side

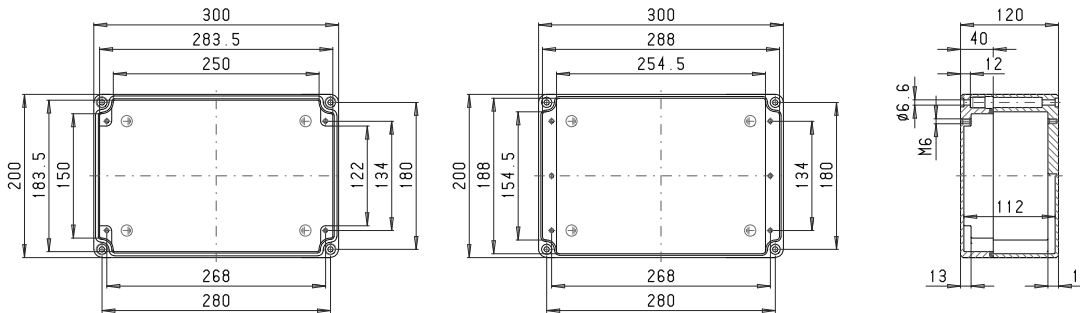
A		A/B/C/D	
C	D	A	B/C/D
B		PG 7	12 11
M 16		PG 9	7 7
		PG 11	5 5
M 20		PG 13,5	5 5
		PG 16	4 4
M 25		PG 21	4 3
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	



AD 202

Maximum number of cable glands per enclosure side

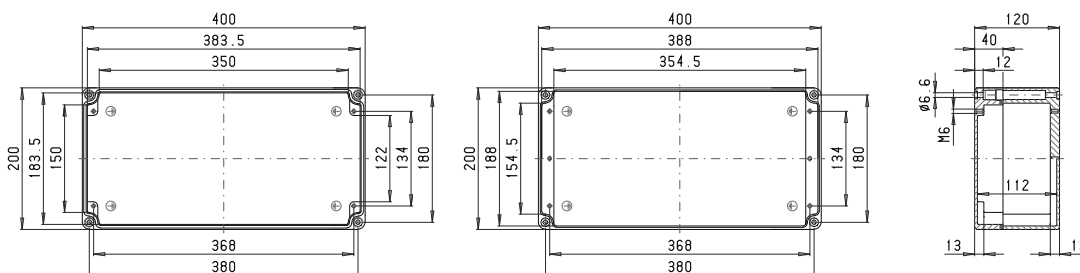
A		A/B/C/D	
C	D	A	B/C/D
B		PG 7	20 11
M 16		PG 9	12 7
		PG 11	9 5
M 20		PG 13,5	9 5
		PG 16	7 4
M 25		PG 21	6 3
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	



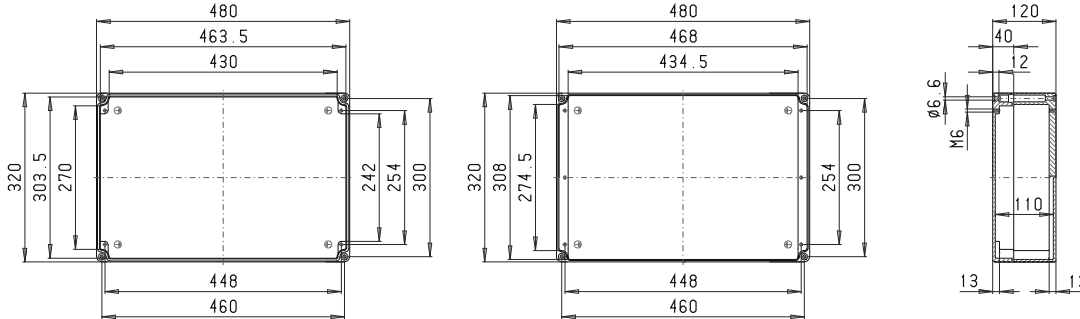
AD 204

Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A	B/C/D
B		PG 7	28 11
M 16		PG 9	17 7
		PG 11	13 5
M 20		PG 13,5	12 5
		PG 16	10 4
M 25		PG 21	9 3
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	



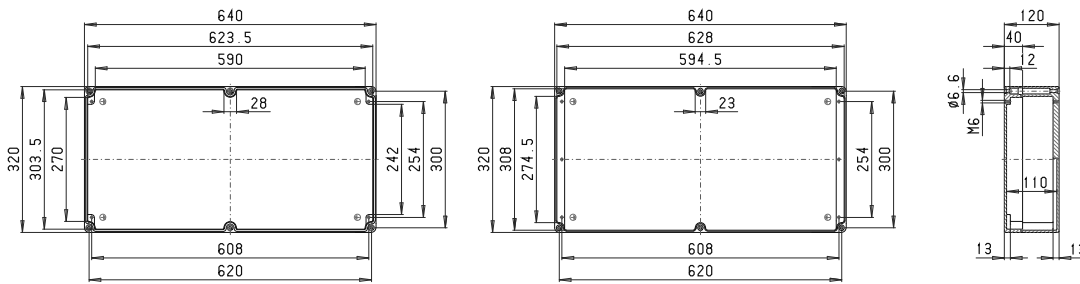
AD 322



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
B		PG 7	34 21
M 16		PG 9	21 13
		PG 11	16 10
M 20		PG 13,5	15 9
		PG 16	12 7
M 25		PG 21	11 6
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

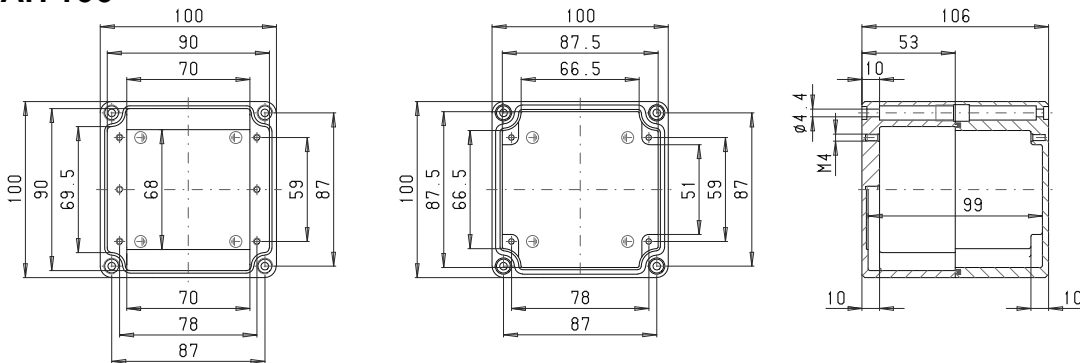
AD 324



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
B		PG 7	44 21
M 16		PG 9	28 13
		PG 11	20 10
M 20		PG 13,5	20 9
		PG 16	16 7
M 25		PG 21	14 6
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

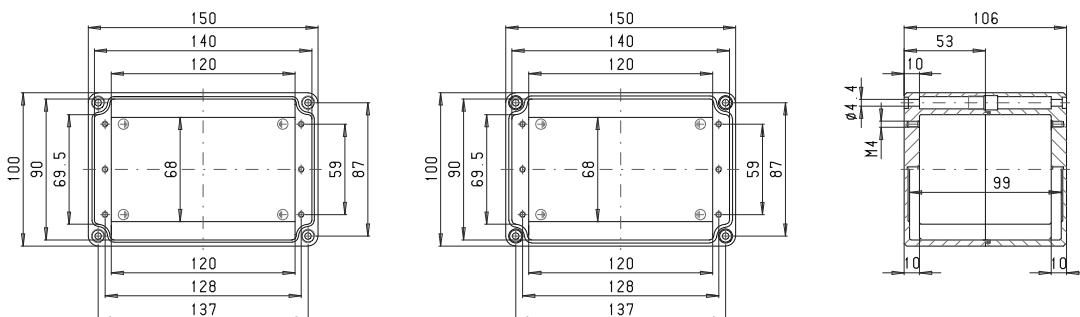
AH 100



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
B		PG 7	11 8
M 16		PG 9	6 5
		PG 11	5 3
M 20		PG 13,5	4 3
		PG 16	2 2
M 25		PG 21	2 2
M 32		PG 29	1 1
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

AH 102



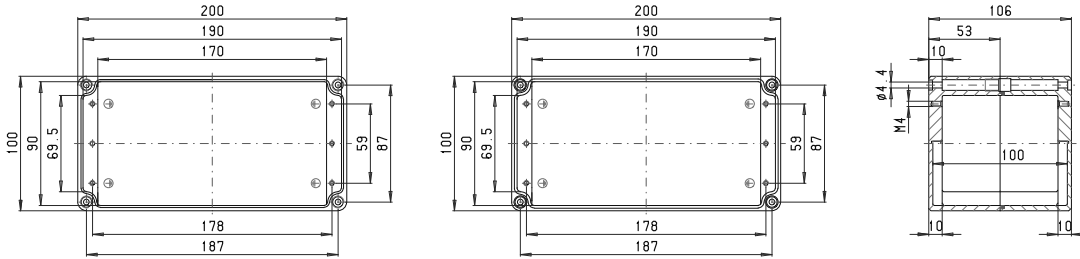
Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
B		PG 7	18 8
M 16		PG 9	10 5
		PG 11	8 3
M 20		PG 13,5	6 3
		PG 16	4 2
M 25		PG 21	3 2
M 32		PG 29	2 1
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

ROLEC Attachment and mounting dimensions

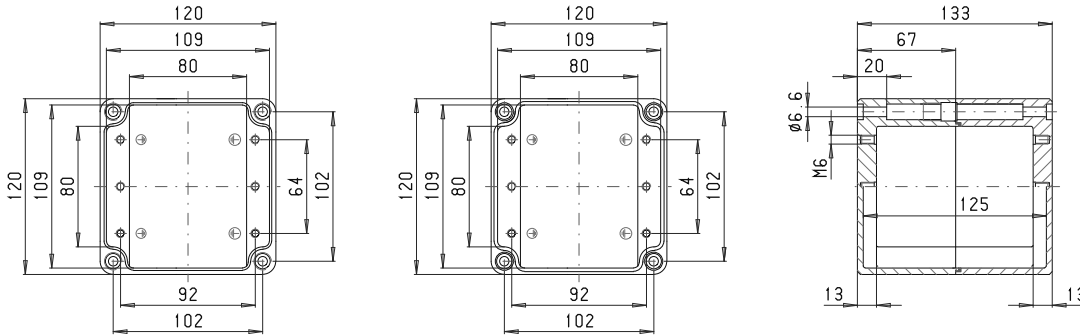
aluNORM AH

AH 104



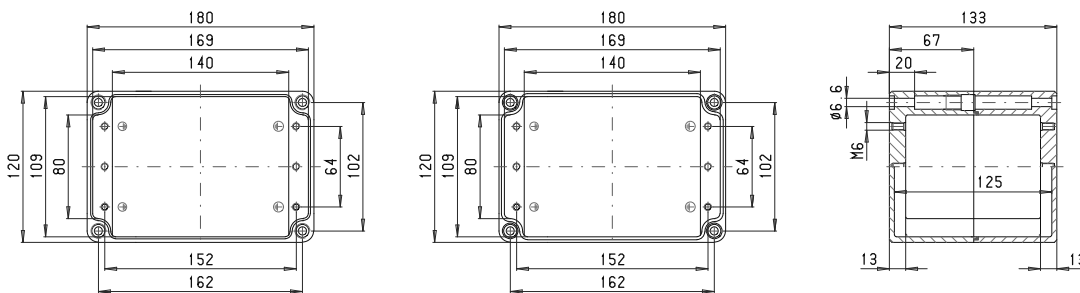
Maximum number of cable glands per enclosure side			
A	B	C	D
M 16	PG 7	26	8
	PG 9	18	5
	PG 11	12	3
M 20	PG 13,5	9	3
	PG 16	6	2
M 25	PG 21	4	2
M 32	PG 29	3	
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

AH 120



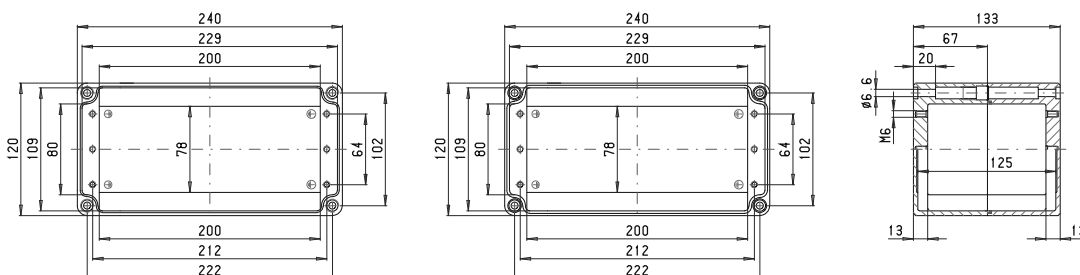
Maximum number of cable glands per enclosure side			
A	B	C	D
M 16	PG 7	14	12
	PG 9	11	8
	PG 11	6	6
M 20	PG 13,5	6	6
	PG 16	4	3
M 25	PG 21	3	2
M 32	PG 29	1	1
M 40	PG 36	1	1
M 50	PG 42		
M 63	PG 48		

AH 122



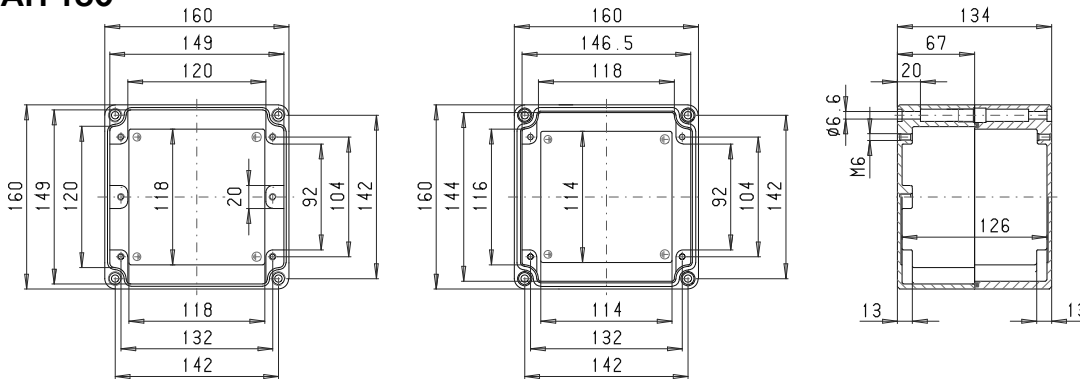
Maximum number of cable glands per enclosure side			
A	B	C	D
M 16	PG 7	26	12
	PG 9	18	8
	PG 11	11	6
M 20	PG 13,5	10	6
	PG 16	8	3
M 25	PG 21	5	2
M 32	PG 29	3	1
M 40	PG 36	2	1
M 50	PG 42		
M 63	PG 48		

AH 124



Maximum number of cable glands per enclosure side			
A	B	C	D
M 16	PG 7	40	12
	PG 9	26	8
	PG 11	17	6
M 20	PG 13,5	14	6
	PG 16	12	3
M 25	PG 21	7	2
M 32	PG 29	4	1
M 40	PG 36	3	1
M 50	PG 42		
M 63	PG 48		

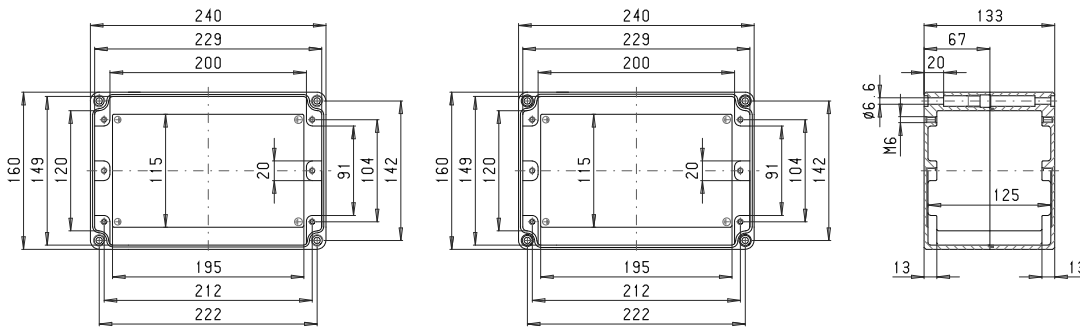
AH 160



Maximum number of cable glands per enclosure side

A C □ D B	A/B/C/D	
	PG 7	22
M 16	PG 9	15 12
	PG 11	9 8
M 20	PG 13,5	8 8
	PG 16	6 4
M 25	PG 21	4 3
M 32	PG 29	2 2
M 40	PG 36	2 2
M 50	PG 42	
M 63	PG 48	

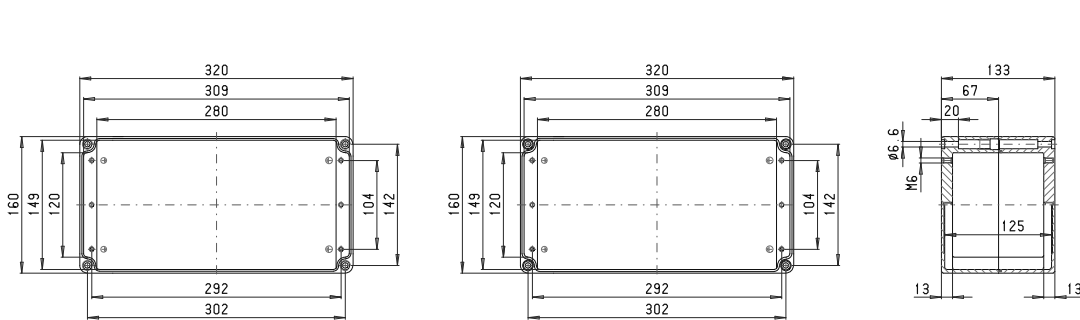
AH 162



Maximum number of cable glands per enclosure side

A C □ D B	A/B/C/D	
	PG 7	40
M 16	PG 9	26 12
	PG 11	17 8
M 20	PG 13,5	14 8
	PG 16	12 4
M 25	PG 21	7 3
M 32	PG 29	4 2
M 40	PG 36	3 2
M 50	PG 42	
M 63	PG 48	

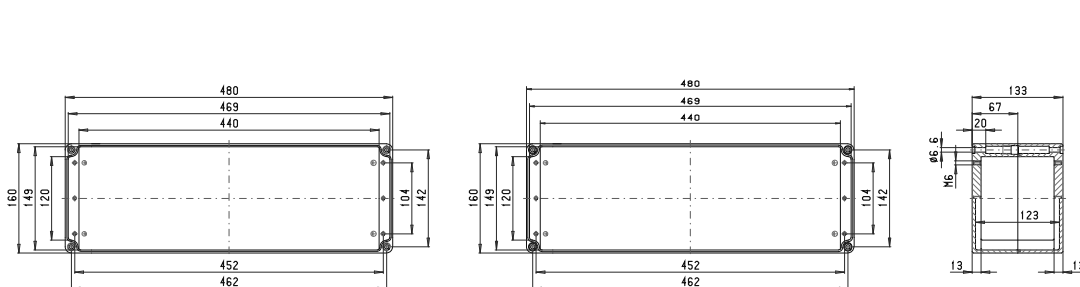
AH 164



Maximum number of cable glands per enclosure side

A C □ D B	A/B/C/D	
	PG 7	56
M 16	PG 9	36 12
	PG 11	23 8
M 20	PG 13,5	18 8
	PG 16	16 4
M 25	PG 21	10 3
M 32	PG 29	6 2
M 40	PG 36	4 2
M 50	PG 42	
M 63	PG 48	

AH 166



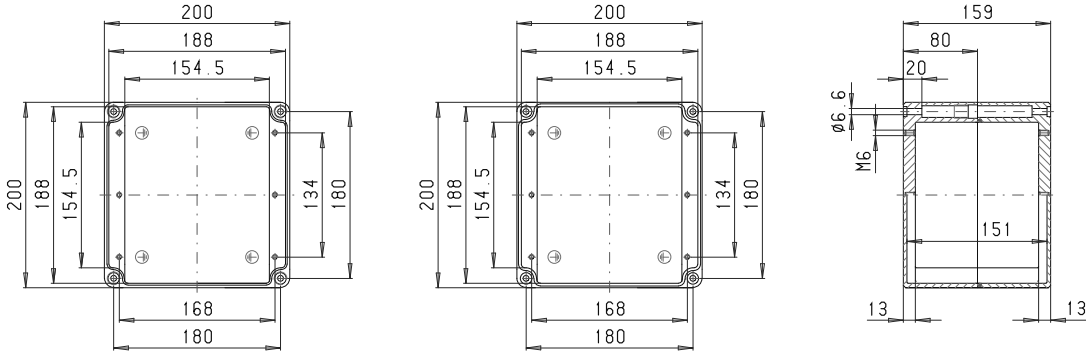
Maximum number of cable glands per enclosure side

A C □ D B	A/B/C/D	
	PG 7	86
M 16	PG 9	57 12
	PG 11	36 8
M 20	PG 13,5	30 8
	PG 16	26 4
M 25	PG 21	16 3
M 32	PG 29	10 2
M 40	PG 36	7 2
M 50	PG 42	
M 63	PG 48	

ROLEC Attachment and mounting dimensions

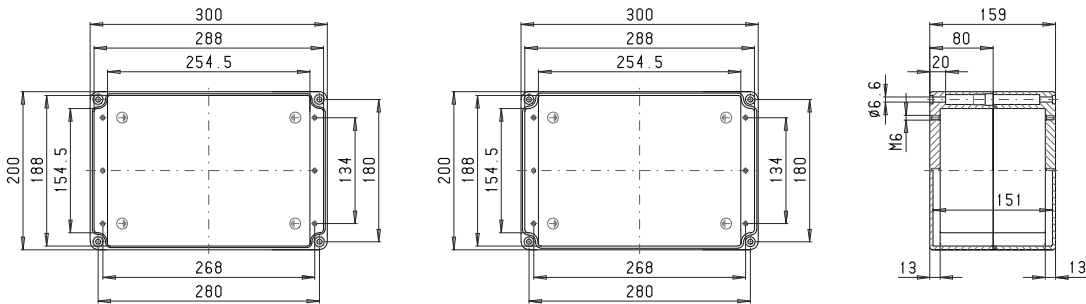
aluNORM AH

AH 200



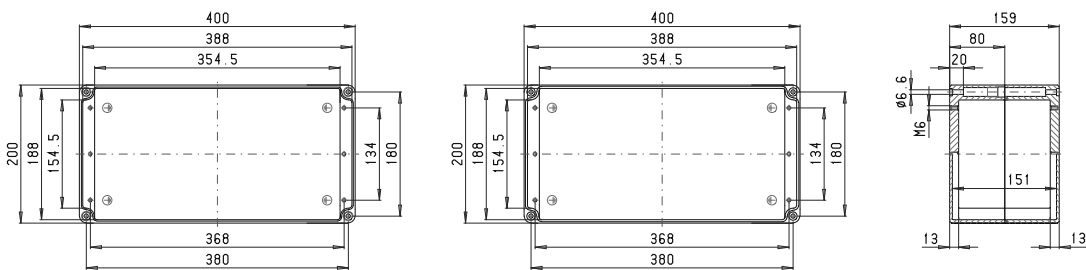
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
PG 7	30	30	
M 16	PG 9	21	21
	PG 11	18	12
M 20	PG 13,5	14	11
	PG 16	9	9
M 25	PG 21	8	5
M 32	PG 29	4	3
M 40	PG 36	2	2
M 50	PG 42		
M 63	PG 48		

AH 202



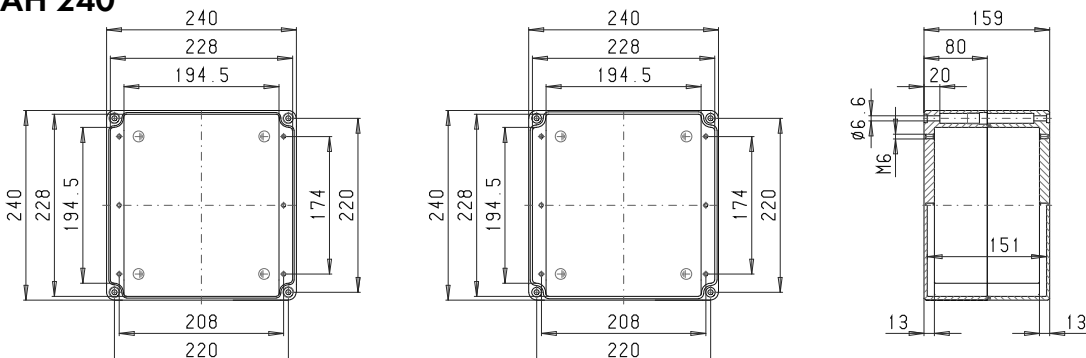
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
PG 7	50	30	
M 16	PG 9	33	21
	PG 11	27	12
M 20	PG 13,5	21	11
	PG 16	15	9
M 25	PG 21	13	5
M 32	PG 29	6	3
M 40	PG 36	4	2
M 50	PG 42		
M 63	PG 48		

AH 204



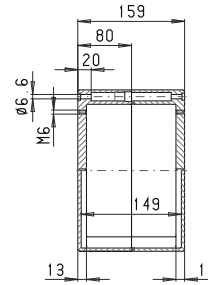
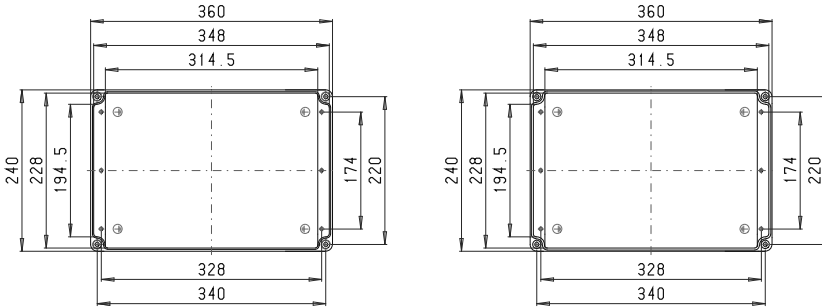
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
PG 7	70	30	
M 16	PG 9	48	21
	PG 11	39	12
M 20	PG 13,5	30	11
	PG 16	20	9
M 25	PG 21	18	5
M 32	PG 29	9	3
M 40	PG 36	5	2
M 50	PG 42		
M 63	PG 48		

AH 240



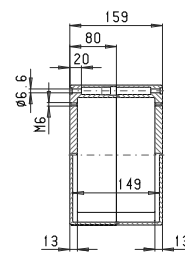
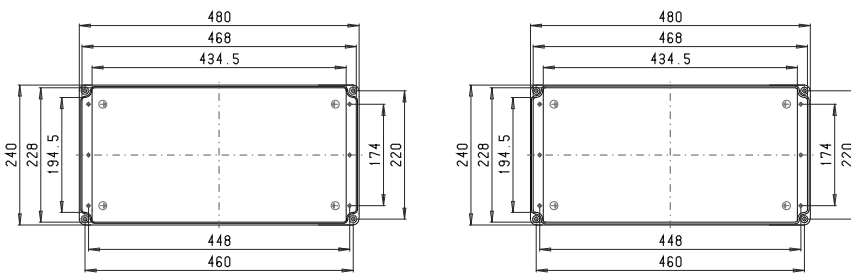
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
PG 7	38	38	
M 16	PG 9	24	24
	PG 11	21	17
M 20	PG 13,5	17	14
	PG 16	12	12
M 25	PG 21	10	7
M 32	PG 29	5	4
M 40	PG 36	3	3
M 50	PG 42		
M 63	PG 48		

AH 242



Maximum number of cable glands per enclosure side			
A	B	C	D
		PG 7	62 38
M 16		PG 9	45 24
		PG 11	35 17
M 20		PG 13,5	27 14
		PG 16	18 12
M 25		PG 21	16 7
M 32		PG 29	8 4
M 40		PG 36	5 3
M 50		PG 42	
M 63		PG 48	

AH 244



Maximum number of cable glands per enclosure side			
A	B	C	D
		PG 7	86 38
M 16		PG 9	60 24
		PG 11	48 17
M 20		PG 13,5	38 14
		PG 16	26 12
M 25		PG 21	22 7
M 32		PG 29	11 4
M 40		PG 36	7 3
M 50		PG 42	
M 63		PG 48	



Our *passion* is enclosures.



aluPLUS

The plus side of technology and design

Technical data

aluPLUS



Integrated recesses for membrane keypads



Enclosure fixation with closed lid



Mounting rail and terminals



Design covers for the perfect look



Economical lid support



Fastening threads in enclosure and lid for components



Standardised mounting dimensions

Enclosure: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Integrated recess: In the lid for membrane keypad or front plates.

Components: Fastening threads M5 in the bottom of enclosure and in the lid

Ingress protection: IP66 / EN 60529

Gasket: Silicon moulded gasket (-50°C to +140°C)

Lid screws: Stainless steel 1.4567 (V2A), captive

Design covers: Latching, polyamide (PA6) RAL 7016, anthracite grey.

Surface: Powder coating RAL 7035, light grey

Optionally available:

Lid supports: Stainless steel 1.4567 (V2A) and polyamide (PA6).

Gasket: EMC gasket (-55°C to +160°C)

Ingress protection: IP67 / EN 60529

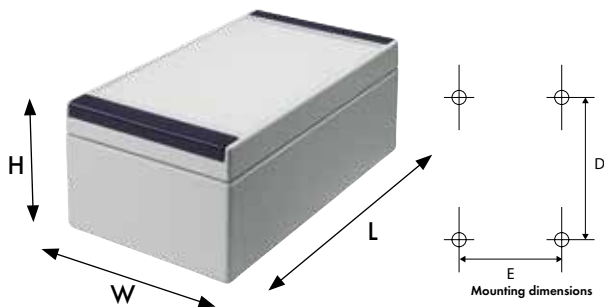
Surface: Corrosion protection, special colours

Further options, see delivery overview.

Delivery overview

Type	Mat. no.	L	W	H	D	E	g	M	D	DH	L	T	EMC	67
AP 120	196.120.000	122	120	82	106	82	770	●	□	●	●	●	●	●
AP 122	196.122.000	220	120	82	204	82	1.110	●	□	●	●	●	●	●
AP 161	196.161.000	160	160	90	140	110	1.190	●	□	●	●	●	●	●
AP 162	196.162.000	260	160	90	240	110	1.620	●	□	●	●	●	●	●

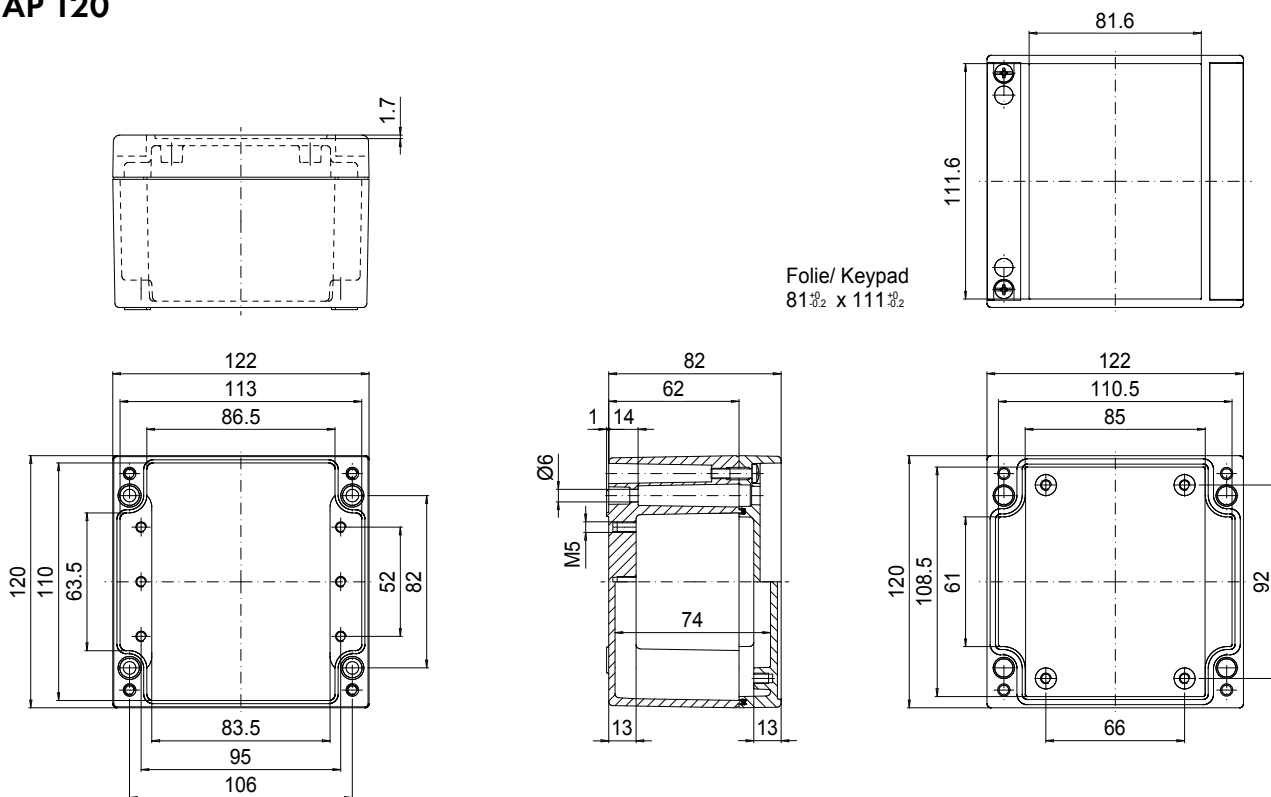
□ Standard ● Available ○ Not available



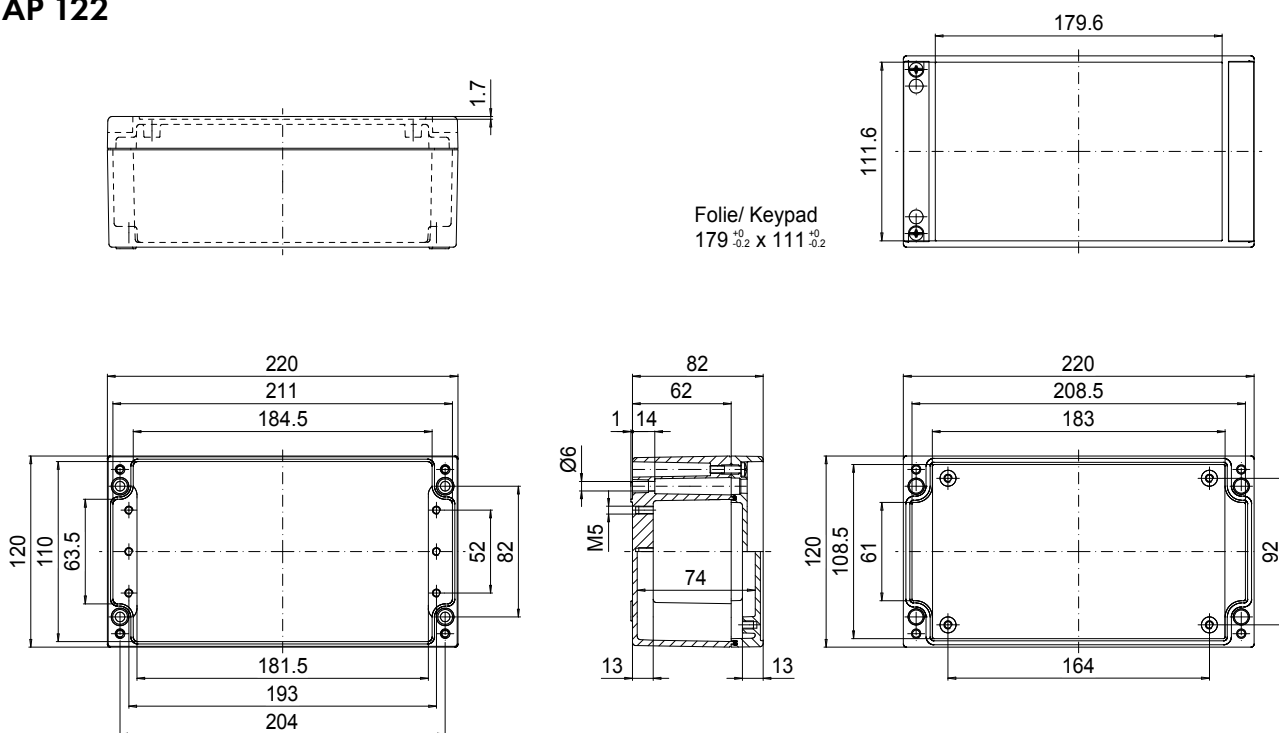
ROLEC Attachment and mounting dimensions

aluPLUS

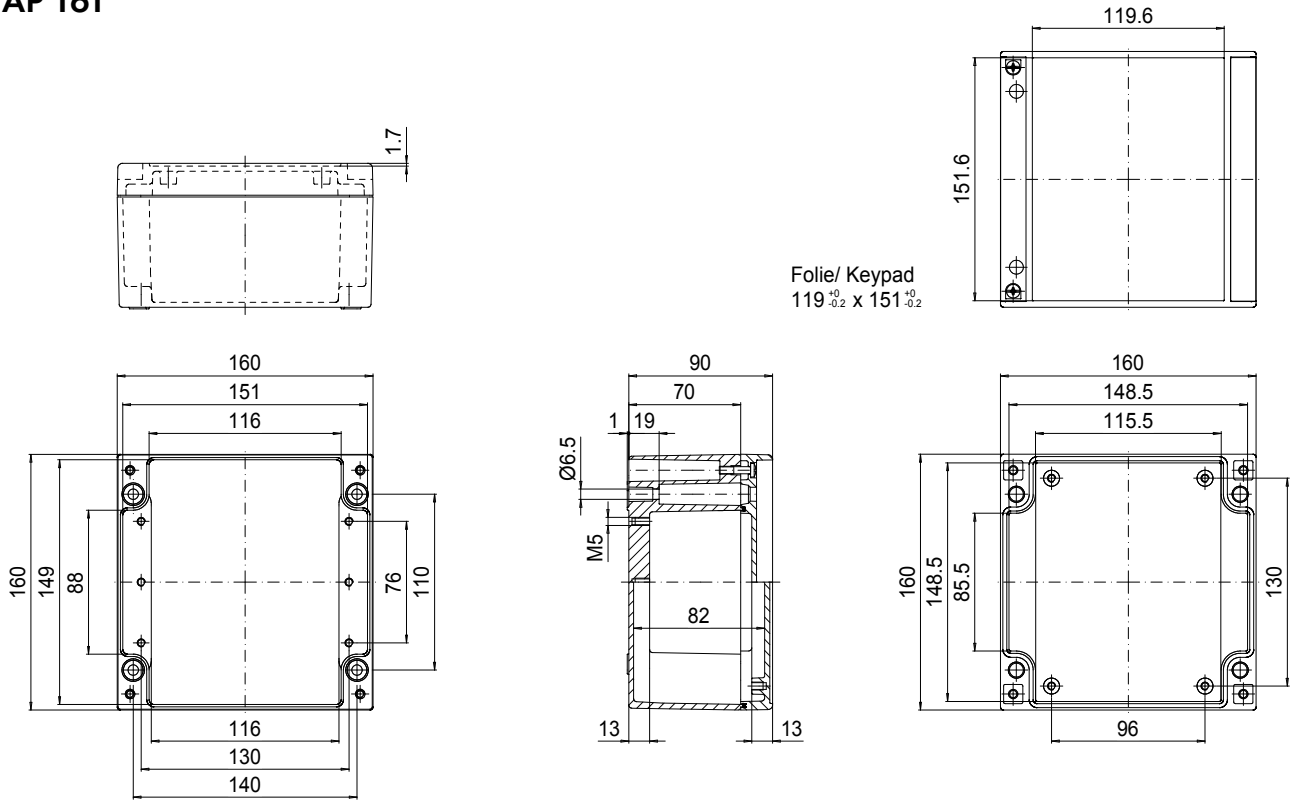
AP 120



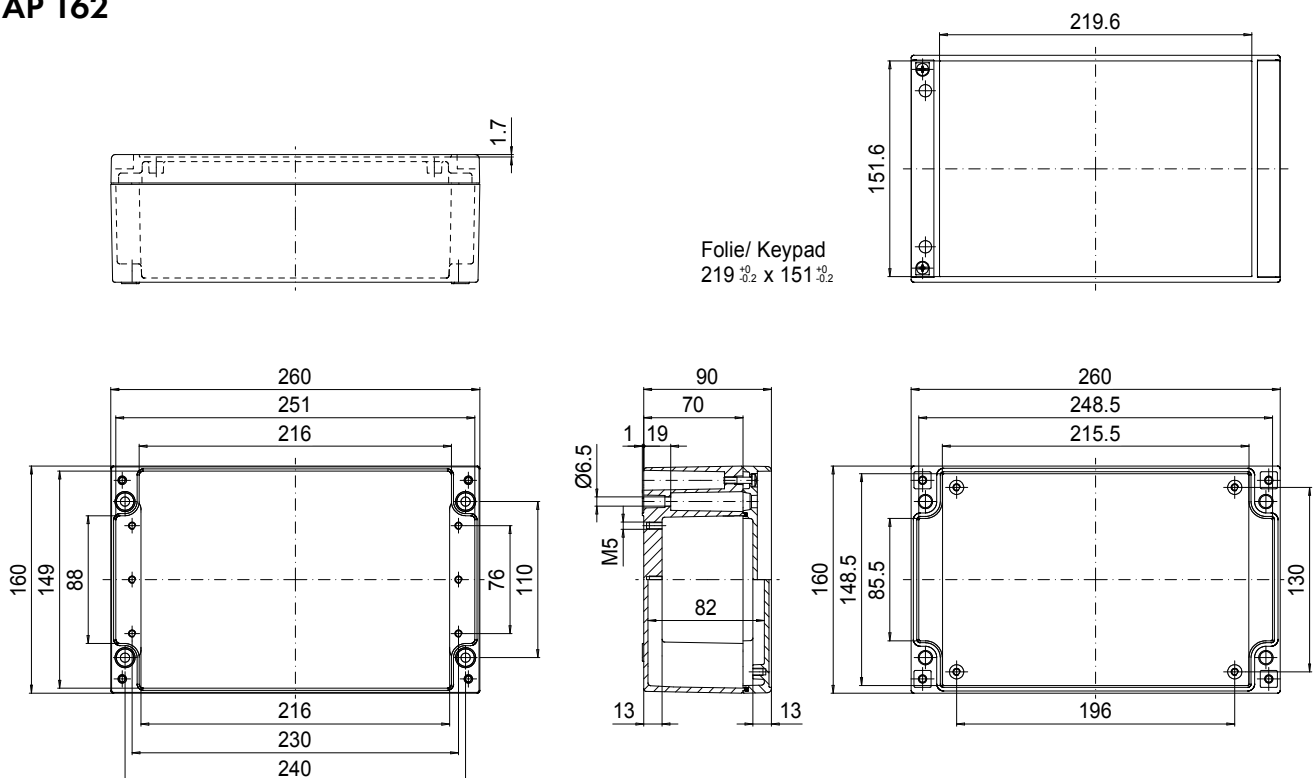
AP 122



AP 161



AP 162





Our *passion* is enclosures.



conFORM

EMC conform enclosures made of aluminium

Technical data

conFORM



External mounting bracket



Mounting plate



„control“ variant with protection wall



Hold hinge



Internal hinge



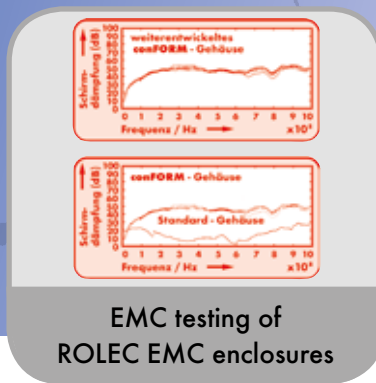
Gear tooth system



Installation kit



Silicon gasket



EMC testing of ROLEC EMC enclosures

Enclosure: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

EMC protection: Contact between lid and enclosure bottom via a gear tooth system.

Components: Fastening points in lid and enclosure bottom

Fastening: Separate screw holes.

Ingress protection: IP66 / EN 60529

Gasket: TPE moulded gasket, silicon-free (-40°C to +120°C)

Lid screws: Stainless steel 1.4567 (V2A), captive

Surface: Powder coating in RAL 7032, silky grey

Optionally available:

External mounting: Die-cast zinc (Zn Al 4 Cu 1)

Mounting plates: Sheet steel, galvanised

Installation kit: Console panel integration with installation kit

Gasket: Silicon gasket (-50°C to +140°C)

Ingress protection: IP67 / EN 60529

Surface: Corrosion protection, special colours

Further options, see delivery overview.

Delivery overview conFORM

Type	Mat. no.	L	W	H	D	E	g											
								M	D	A	L	T	S	EM	DH	EMC	67	
EKF 081	111.081.000	79	84	44	63	52	260	●	●	●	●	●	●	●	●	○	□	●
EKF 082	111.082.000	130	85	44	113	52	408	●	●	●	●	●	●	●	●	○	□	●
EKF 083	111.083.000	180	85	44	163	52	538	●	●	●	●	●	●	●	●	○	□	●
EKF 121	111.121.000	127	125	60	106	82	880	●	●	●	●	●	●	●	●	○	□	●
EKF 123	111.123.000	226	126	60	204	82	1.150	●	●	●	●	●	●	●	●	○	□	●
EKF 161	111.161.000	166	166	60	140	110	1.320	●	●	●	●	●	●	●	●	○	□	●
EKF 162	111.162.000	268	168	60	240	110	1.880	●	●	●	●	●	●	●	●	○	□	●
EK 081	110.081.000	79	84	67	63	52	320	●	●	●	●	●	●	●	●	●	□	●
EK 082	110.082.000	130	85	67	113	52	514	●	●	●	●	●	●	●	●	●	□	●
EK 083	110.083.000	180	85	67	163	52	666	●	●	●	●	●	●	●	●	●	□	●
EK 121	110.121.000	127	125	90	106	82	1.050	●	●	●	●	●	●	●	●	●	□	●
EK 123	110.123.000	226	126	90	204	82	1.386	●	●	●	●	●	●	●	●	●	□	●
EK 161	110.161.000	166	166	100	140	110	1.550	●	●	●	●	●	●	●	●	●	□	●
EK 162	110.162.000	268	168	100	240	110	2.128	●	●	●	●	●	●	●	●	●	□	●

Delivery overview conTROL

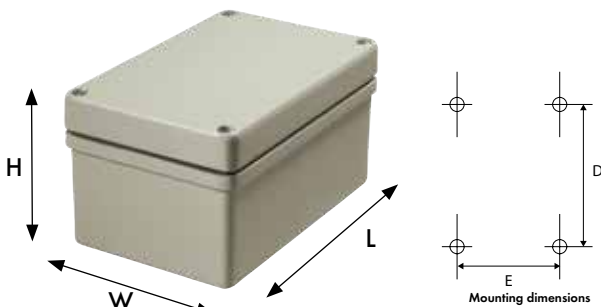
Type	Mat. no.	L	W	H	D	E	g											
								M	D	A	L	T	S	EM	DH	EMC	67	
EKTF 082	311.082.000	129,8	84,8	55,0	113	52	450	●	●	●	●	●	●	●	●	○	□	●
EKTF 083	311.083.000	179,8	84,8	55,0	163	52	600	●	●	●	●	●	●	●	●	○	□	●
EKT 082	310.082.000	129,8	84,8	78,0	113	52	600	●	●	●	●	●	●	●	●	●	□	●
EKT 083	310.083.000	179,8	84,8	78,0	163	52	750	●	●	●	●	●	●	●	●	●	□	●

□ Standard ● Available ○ Not available

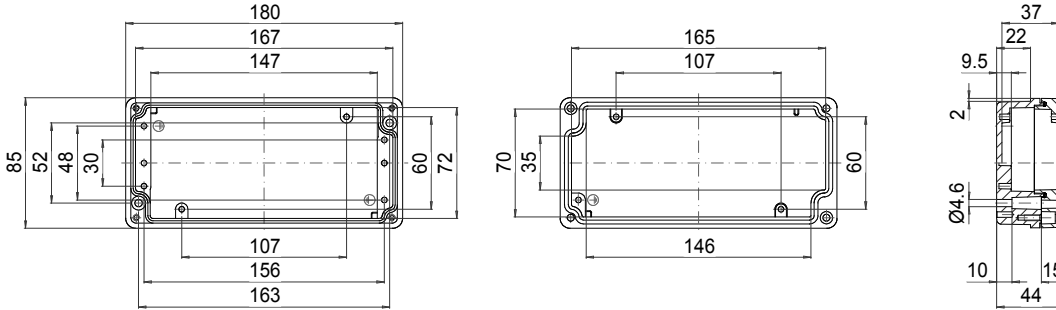
Approvals:
conFORM:



Approvals:
conTROL:



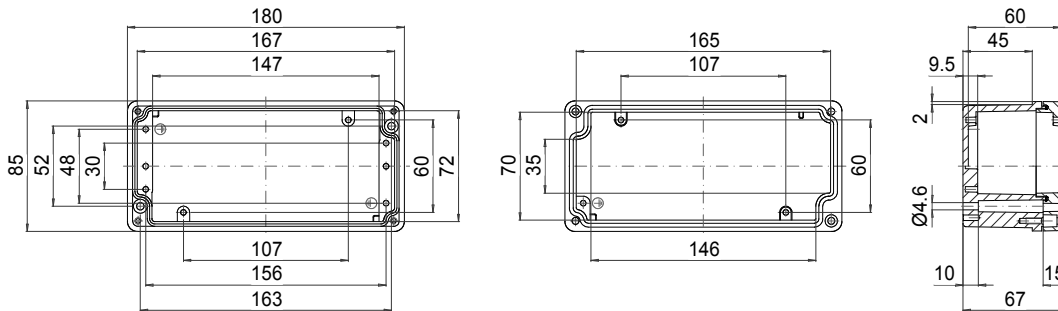
EKF 083



Maximum number of cable glands per enclosure side

A C B D	PG 7	A/B C/D	
		A	B
M 16	PG 9	4	1
	PG 11	3	
M 20	PG 13,5	2	
	PG 16	2	
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

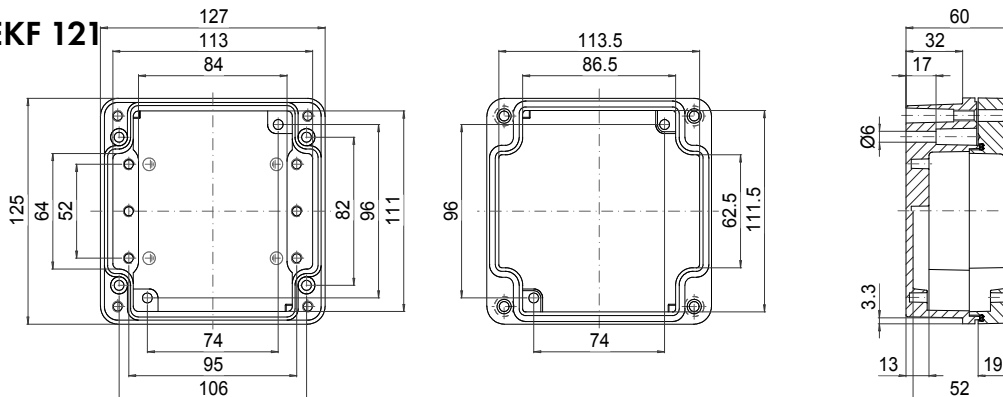
EK 083



Maximum number of cable glands per enclosure side

A C B D	PG 7	A/B C/D	
		A	B
M 16	PG 9	8	2
	PG 11	6	1
M 20	PG 13,5	5	1
	PG 16	4	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

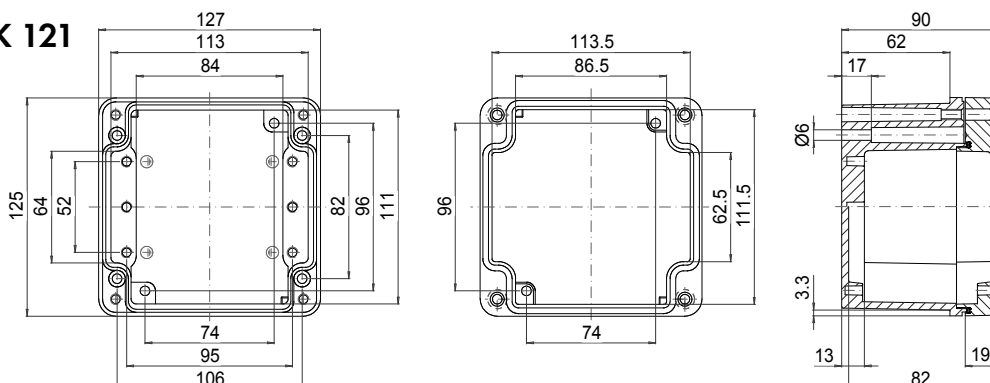
EKF 121



Maximum number of cable glands per enclosure side

A C B D	PG 7	A/B C/D	
		A	B
M 16	PG 9	3	2
	PG 11	3	1
M 20	PG 13,5	2	1
	PG 16	1	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

EK 121



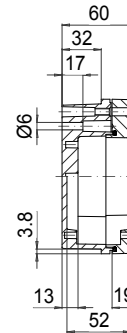
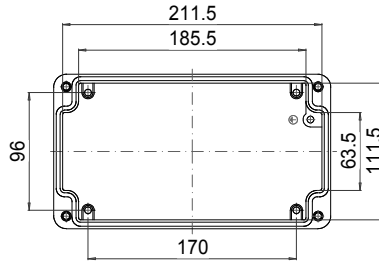
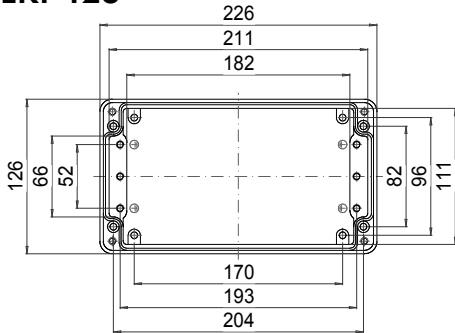
Maximum number of cable glands per enclosure side

A C B D	PG 7	A/B C/D	
		A	B
M 16	PG 9	6	4
	PG 11	6	3
M 20	PG 13,5	5	3
	PG 16	3	2
M 25	PG 21	2	1
M 32	PG 29	1	
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

ROLEC Attachment and mounting dimensions

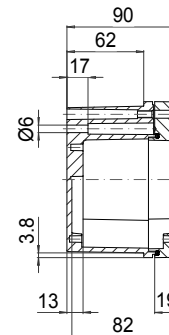
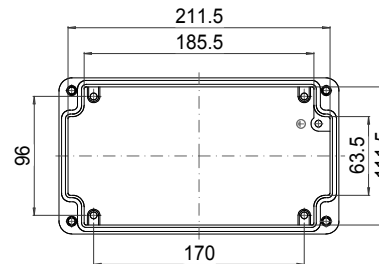
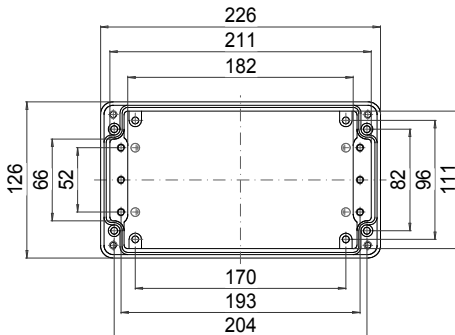
conFORM

EKF 123



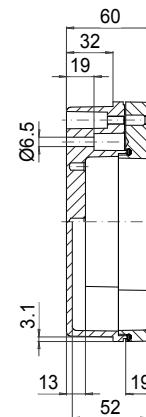
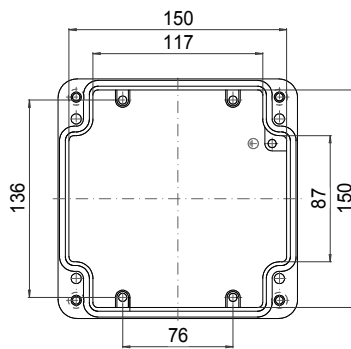
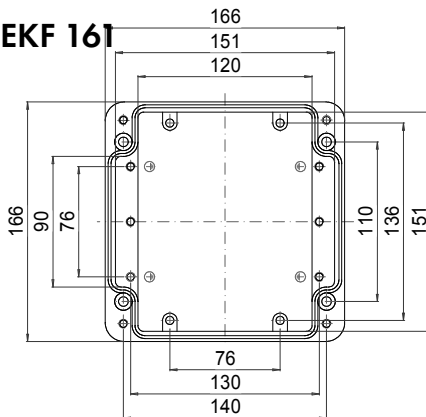
Maximum number of cable glands per enclosure side			
A	B	C	D
PG 7	10	3	
PG 9	7	2	
PG 11	7	1	
PG 13,5	5	1	
PG 16	3	1	
PG 21			
PG 29			
PG 36			
PG 42			
PG 48			

EK 123



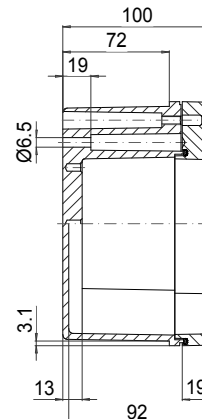
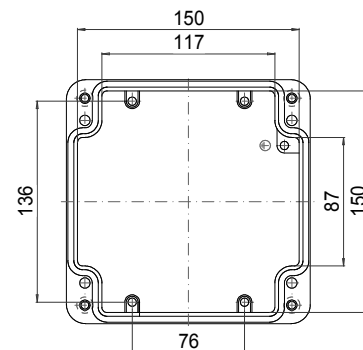
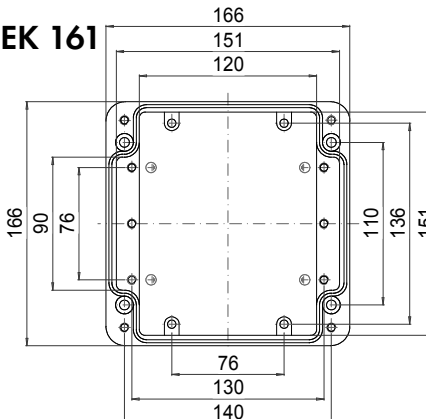
Maximum number of cable glands per enclosure side			
A	B	C	D
PG 7	15	6	
PG 9	14	4	
PG 11	11	3	
PG 13,5	7	3	
PG 16	4	2	
PG 21	3	1	
PG 29			
PG 36			
PG 42			
PG 48			

EKF 161



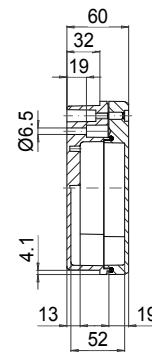
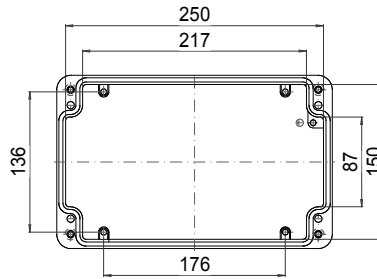
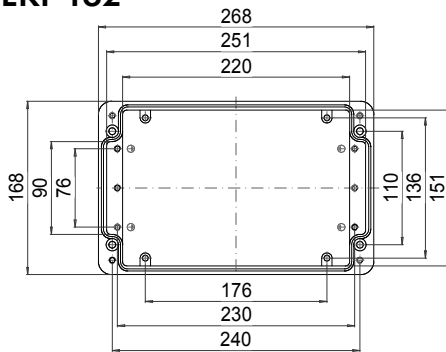
Maximum number of cable glands per enclosure side			
A	B	C	D
PG 7	7	4	
PG 9	7	4	
PG 11	4	3	
PG 13,5	4	3	
PG 16	3	1	
PG 21			
PG 29			
PG 36			
PG 42			
PG 48			

EK 161



Maximum number of cable glands per enclosure side			
A	B	C	D
PG 7	15	9	
PG 9	14	8	
PG 11	9	6	
PG 13,5	8	6	
PG 16	6	3	
PG 21	2	2	
PG 29	2	1	
PG 36	1		
PG 42			
PG 48			

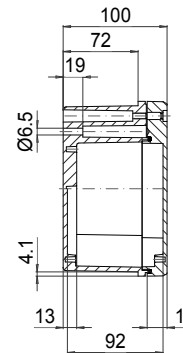
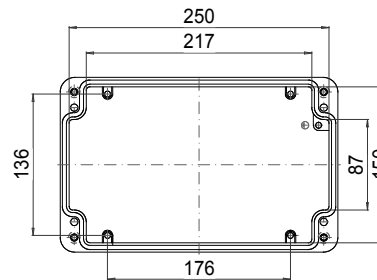
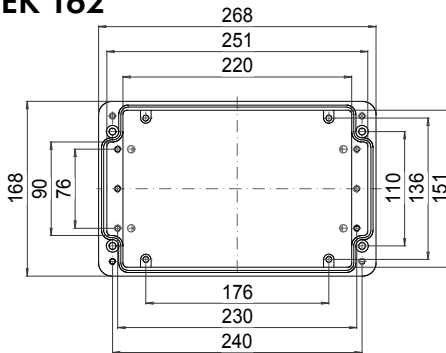
EKF 162



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	15 4
M 16			PG 9	13 4
			PG 11	9 3
M 20			PG 13,5	7 3
			PG 16	6 1
M 25			PG 21	
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

EK 162



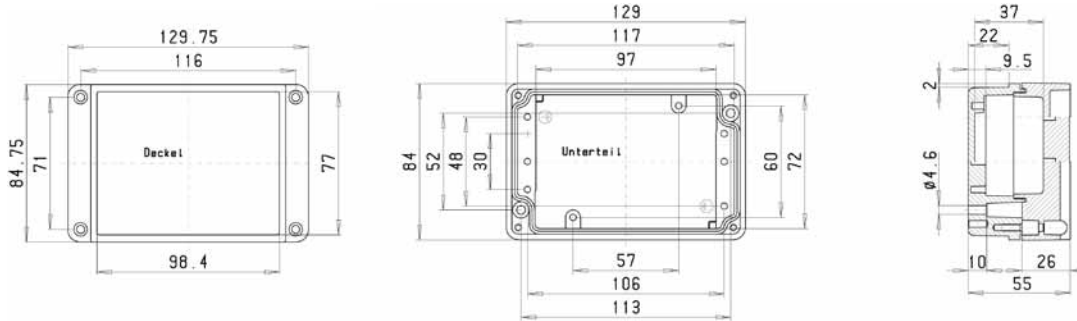
Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	30 9
M 16			PG 9	27 8
			PG 11	18 6
M 20			PG 13,5	15 6
			PG 16	12 3
M 25			PG 21	4 2
M 32			PG 29	3 1
M 40			PG 36	3
M 50			PG 42	
M 63			PG 48	

ROLEC Attachment and mounting dimensions

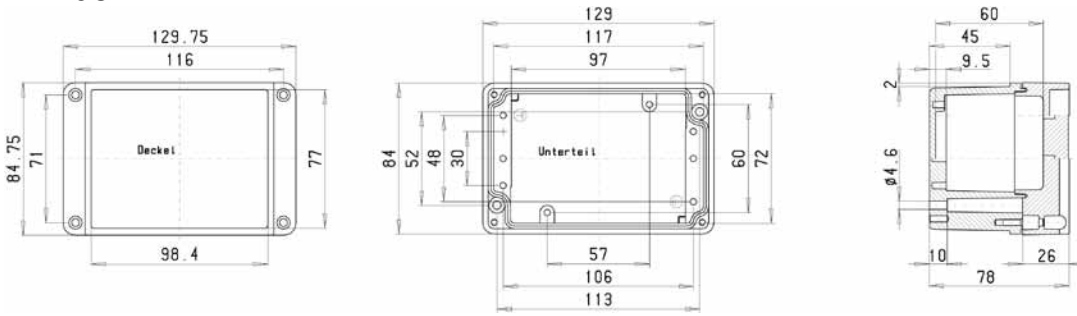
conTROL

EKTF 082



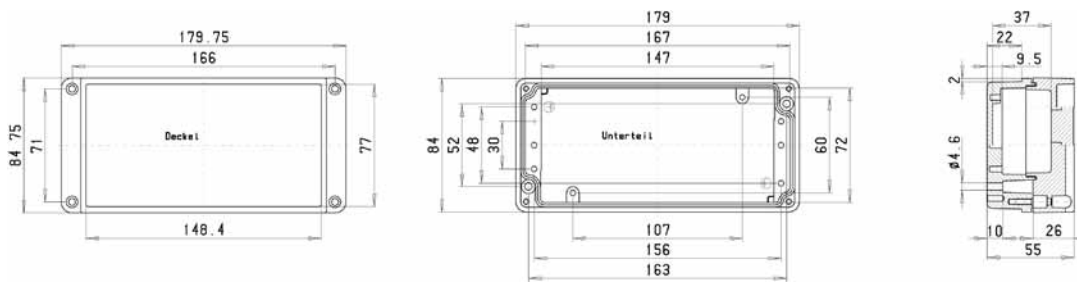
Maximum number of cable glands per enclosure side			
C	A B	A/B C/D	
		PG 7	PG 9
M 16	PG 9	3	1
	PG 11	2	
M 20	PG 13,5	1	
	PG 16	1	
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

EKT 082



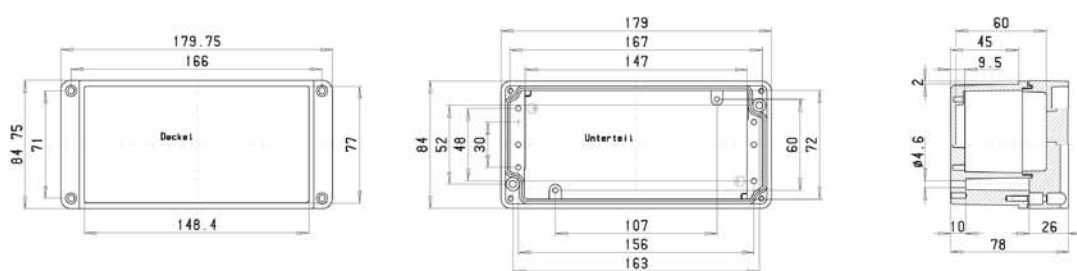
Maximum number of cable glands per enclosure side			
C	A B	A/B C/D	
		PG 7	PG 9
M 16	PG 9	5	2
	PG 11	4	1
M 20	PG 13,5	3	1
	PG 16	3	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

EKTF 083



Maximum number of cable glands per enclosure side			
C	A B	A/B C/D	
		PG 7	PG 9
M 16	PG 9	4	1
	PG 11	4	1
M 20	PG 13,5	2	
	PG 16	2	
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

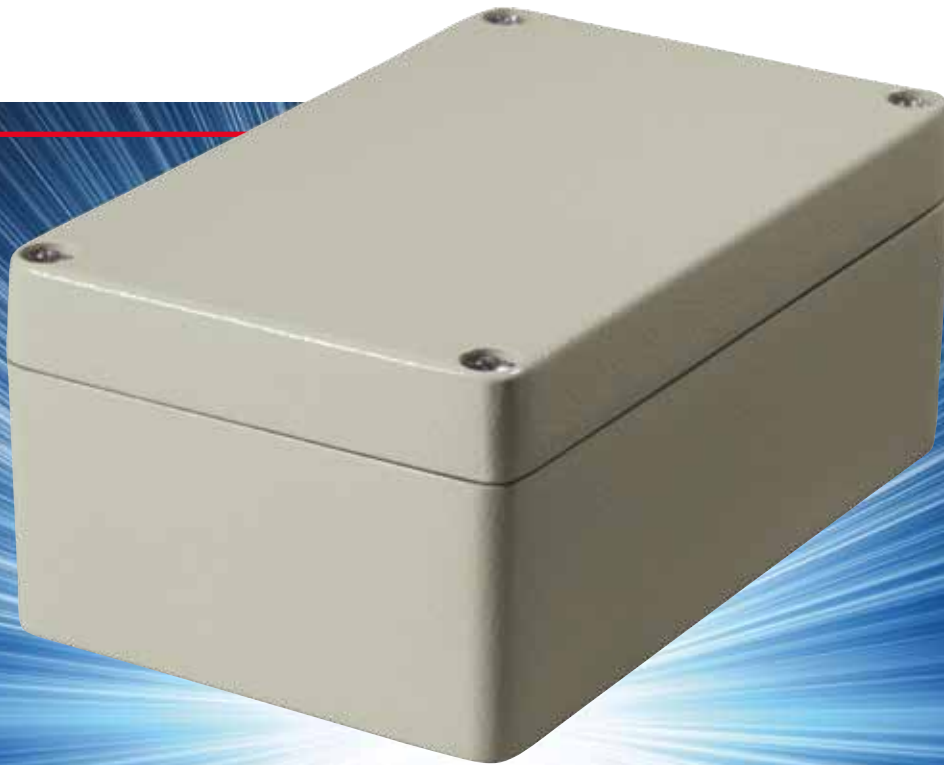
EKT 083



Maximum number of cable glands per enclosure side			
C	A B	A/B C/D	
		PG 7	PG 9
M 16	PG 9	8	2
	PG 11	6	1
M 20	PG 13,5	5	1
	PG 16	4	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		



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aluKOM

Standard enclosures made of aluminium

Technical data

aluKOM



Compatible with conventional brands



Hinge



External mounting feet V2A



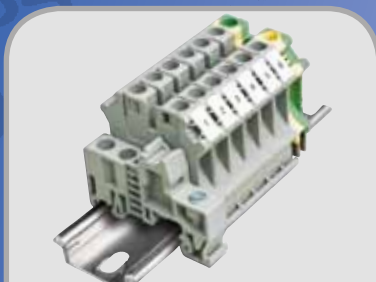
Hold hinge



Internal hinge V2A



Lid support



Mounting rail and terminals

Enclosure: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Components: Fastening threads M4/M6 in the enclosure bottom.

Fastening: Separate screw holes.

Ingress protection: IP66 / EN 60529

Gasket: TPE moulded gasket, silicon-free (-40°C to +120°C)
Chloroprene (CR) gasket (-30°C to +90°C)

Lid screws: Stainless steel 1.4567 (V2A), captive

Surface: Powder coating RAL 7032, silky grey

Optionally available:

External mounting feet: Stainless steel 1.4305 (V2A)

Mounting plates: Sheet steel, galvanised

Gasket: Silicon gasket (-50°C to +140°C)
EMC gasket (-55°C to +160°C)

Surface: Corrosion protection, special colours

Further options, see delivery overview.

Delivery overview aluKOM

Type	Mat. no.	L	W	H	D	E	g	M	D	A	L	T	HS	IS	S	DH	EMC
AK 060	106.060.000	50	45	30	40	35	80	○	●	○	●	●	○	○	○	○	○
* AK 061	106.061.000	58	64	36	46	36	160	○	●	○	●	●	●	○	○	○	○
* AK 062	106.062.000	98	64	36	86	36	220	○	●	○	●	●	●	○	○	○	○
* AK 063	106.063.000	150	64	36	138	36	340	○	●	○	●	●	●	○	○	○	○
* AK 081	106.081.000	75	80	57	63	52	290	●	●	○	●	●	●	○	○	○	●
* AK 082	106.082.000	125	80	57	113	52	440	●	●	○	●	●	●	○	○	○	●
* AK 083	106.083.000	175	80	57	163	52	530	●	●	○	●	●	●	○	○	○	●
AK 084	106.084.000	250	80	57	238	52	720	●	●	○	●	●	●	○	○	○	●
* AK 120	106.120.000	122	120	81	106	82	950	●	●	●	●	●	●	●	○	●	●
* AK 121	106.121.000	122	120	91	106	82	970	●	●	●	●	●	●	●	○	●	●
* AK 122	106.122.000	220	120	81	204	82	1.420	●	●	●	●	●	●	●	○	●	●
* AK 123	106.123.000	220	120	91	204	82	1.450	●	●	●	●	●	●	●	○	●	●
AK 124	106.124.000	360	120	81	344	82	1.860	●	●	●	●	●	●	●	○	●	●
* AK 161	106.161.000	160	160	90	140	110	1.410	●	●	●	●	●	●	●	●	●	●
* AK 162	106.162.000	260	160	90	240	110	1.950	●	●	●	●	●	●	●	●	●	●
AK 163	106.163.000	360	160	90	340	110	2.540	●	●	●	●	●	●	●	●	●	●
AK 164	106.164.000	560	160	90	540	110	4.310	●	●	●	●	●	●	●	●	●	●
AK 231	106.231.000	200	230	110	180	180	2.720	●	●	●	●	●	●	●	●	●	●
AK 232	106.232.000	280	230	110	260	180	3.850	●	●	●	●	●	●	●	●	●	●
AK 233	106.233.000	330	230	110	310	180	4.270	●	●	●	●	●	●	●	●	●	●
AK 234	106.234.000	400	230	110	380	180	4.880	●	●	●	●	●	●	●	●	●	●
AK 235	106.235.000	600	230	110	580	180	6.380	●	●	●	●	●	●	●	●	●	●
AK 311	106.311.000	402,5	310	110	382	261	6.300	●	●	●	●	●	●	●	●	●	●
AK 312	106.312.000	600	310	110	580	261	8.480	●	●	●	●	●	●	●	●	●	●

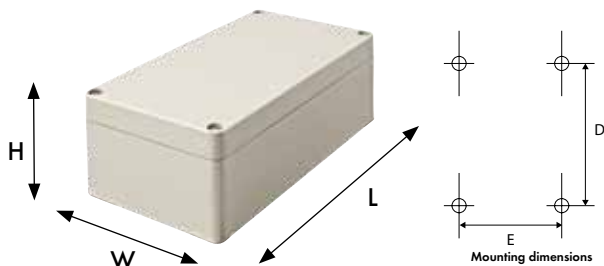
* TPE moulded gasket

□ Standard ● Available ○ Not available

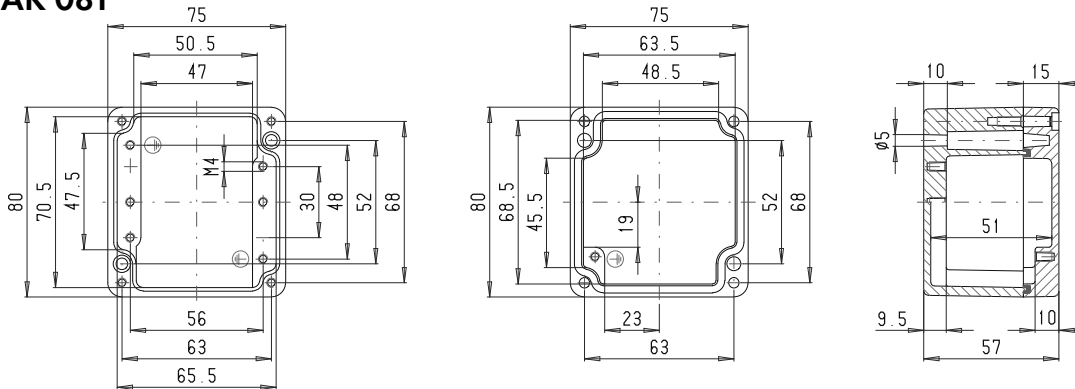
Approvals:



Extended approvals:



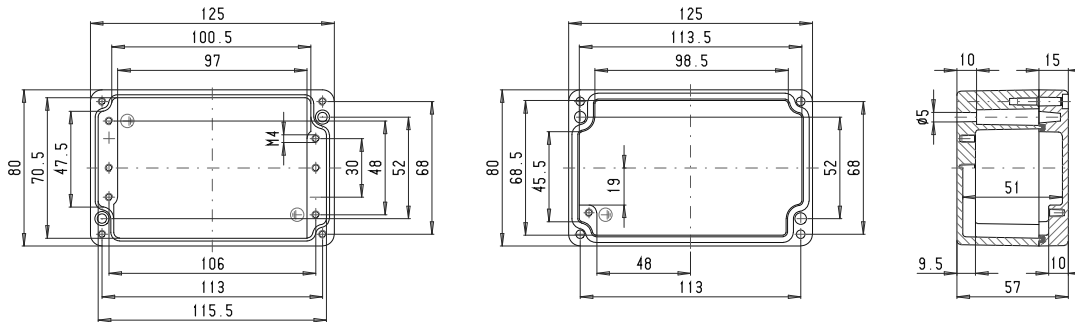
AK 081



Maximum number of cable glands per enclosure side

A C □ D B	PG 7	A/B/C/D	
		4	3
M 16	PG 9	4	2
	PG 11	2	2
M 20	PG 13,5	2	2
	PG 16	1	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

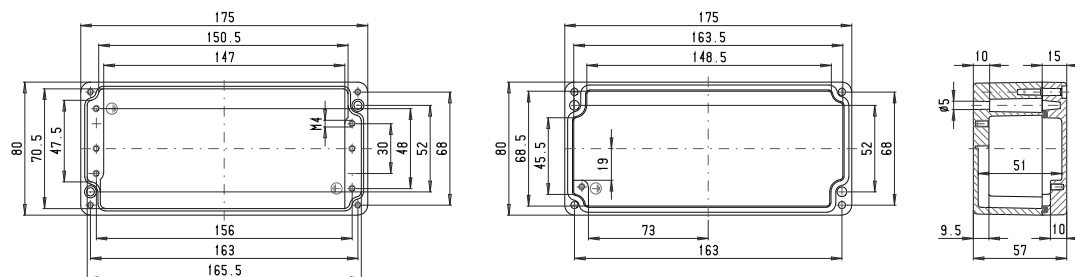
AK 082



Maximum number of cable glands per enclosure side

A C □ D B	PG 7	A/B/C/D	
		10	3
M 16	PG 9	8	2
	PG 11	4	2
M 20	PG 13,5	4	2
	PG 16	3	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

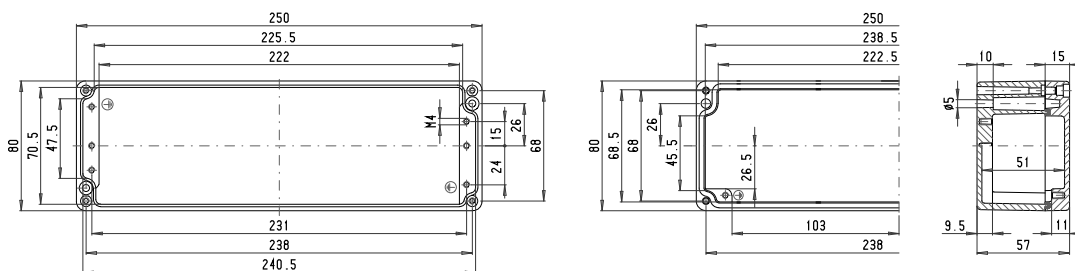
AK 083



Maximum number of cable glands per enclosure side

A C □ D B	PG 7	A/B/C/D	
		14	3
M 16	PG 9	11	2
	PG 11	7	2
M 20	PG 13,5	6	2
	PG 16	5	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

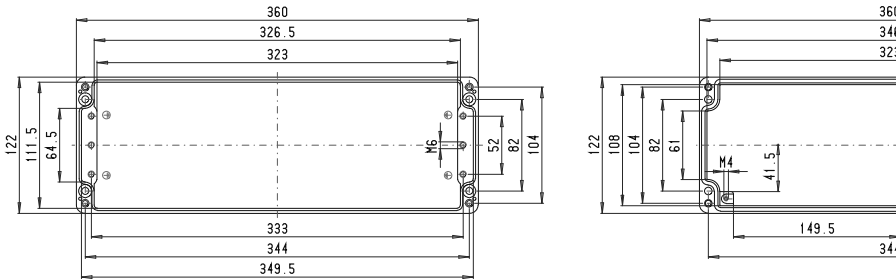
AK 084



Maximum number of cable glands per enclosure side

A C □ D B	PG 7	A/B/C/D	
		22	3
M 16	PG 9	15	2
	PG 11	10	2
M 20	PG 13,5	9	2
	PG 16	7	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

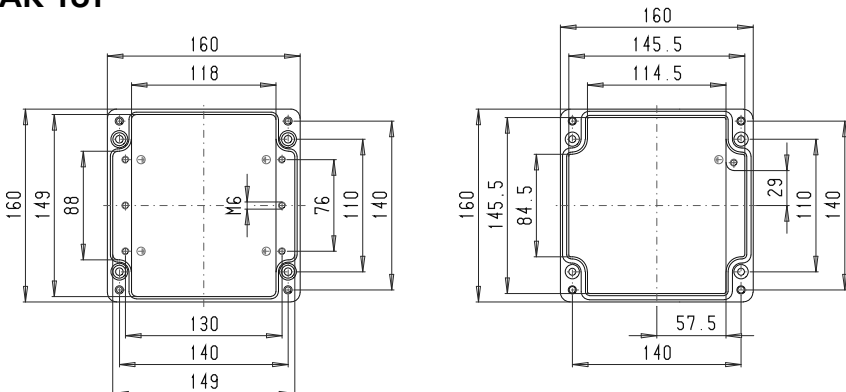
AK 124



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
B		PG 7	38 3
M 16		PG 9	34 8
		PG 11	26 6
M 20		PG 13,5	24 4
		PG 16	20 4
M 25		PG 21	9 2
M 32		PG 29	6 1
M 40		PG 36	1
M 50		PG 42	
M 63		PG 48	

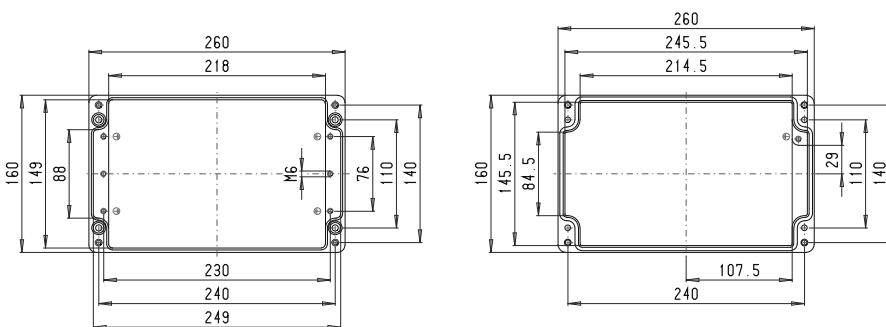
AK 161



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
B		PG 7	21 12
M 16		PG 9	15 8
		PG 11	10 6
M 20		PG 13,5	10 6
		PG 16	8 5
M 25		PG 21	4 2
M 32		PG 29	2 2
M 40		PG 36	2 1
M 50		PG 42	1
M 63		PG 48	

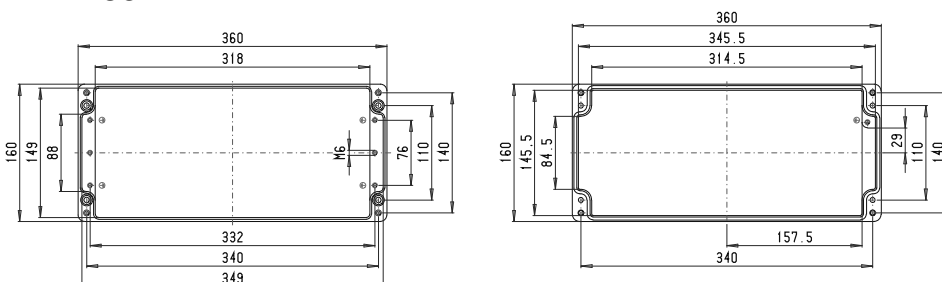
AK162



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
B		PG 7	36 12
M 16		PG 9	30 8
		PG 11	18 6
M 20		PG 13,5	18 6
		PG 16	14 5
M 25		PG 21	7 2
M 32		PG 29	4 2
M 40		PG 36	3 1
M 50		PG 42	3
M 63		PG 48	

AK 163



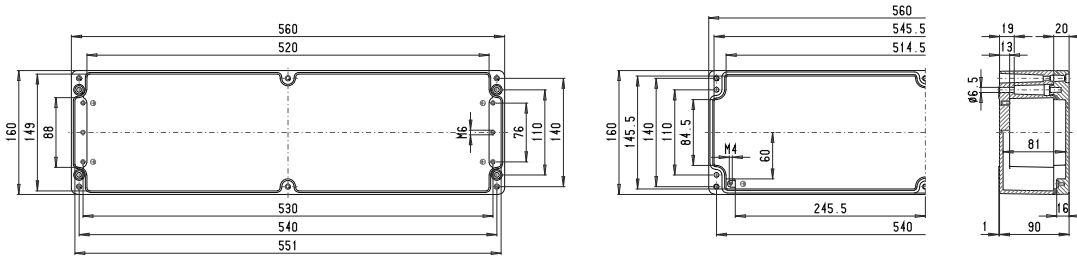
Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
B		PG 7	54 12
M 16		PG 9	42 8
		PG 11	28 6
M 20		PG 13,5	26 6
		PG 16	20 5
M 25		PG 21	10 2
M 32		PG 29	6 2
M 40		PG 36	5 1
M 50		PG 42	4
M 63		PG 48	

ROLEC Attachment and mounting dimensions

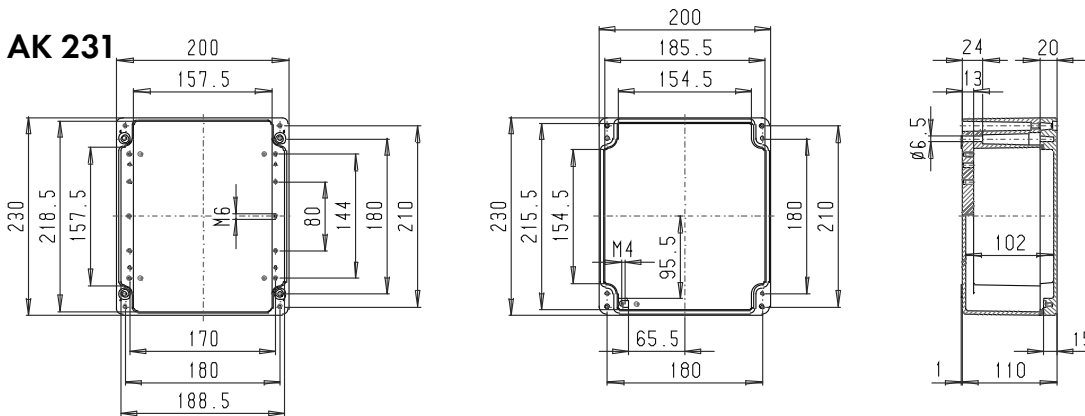
aluKOM

AK 164



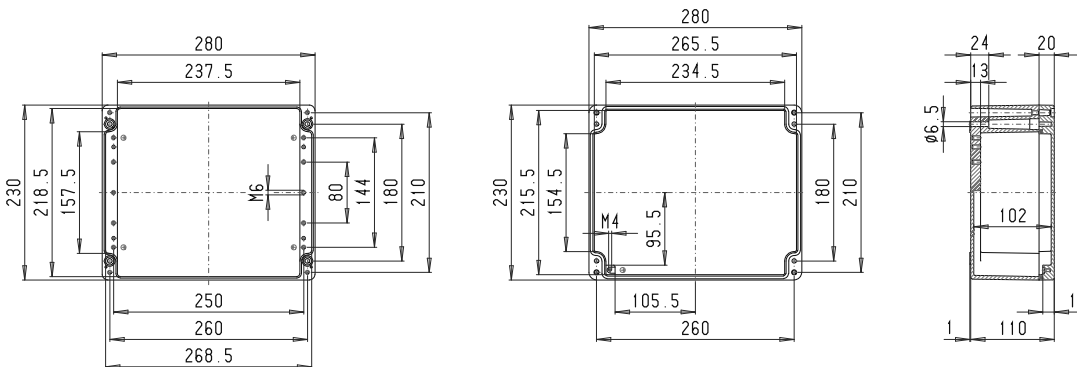
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
M 16	PG 7	84	12
	PG 9	66	8
	PG 11	44	6
M 20	PG 13,5	40	6
	PG 16	32	5
M 25	PG 21	16	2
M 32	PG 29	10	2
M 40	PG 36	8	1
M 50	PG 42	6	
M 63	PG 48		

AK 231



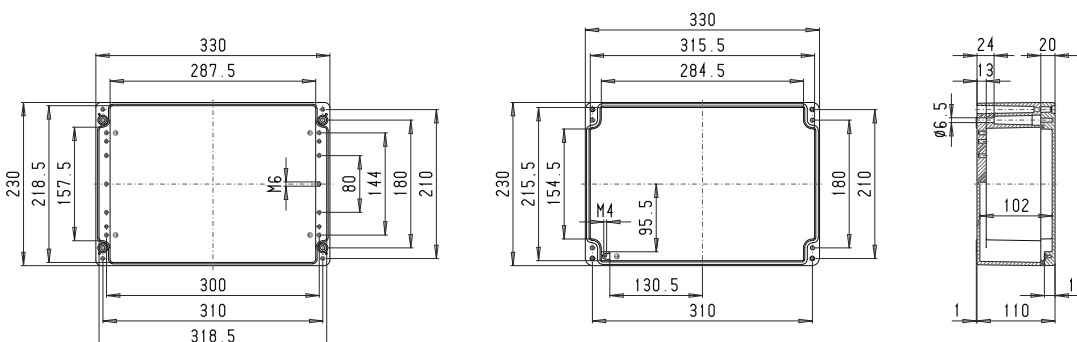
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
M 16	PG 7	36	32
	PG 9	28	24
	PG 11	21	18
M 20	PG 13,5	18	12
	PG 16	10	10
M 25	PG 21	8	8
M 32	PG 29	4	4
M 40	PG 36	3	3
M 50	PG 42	2	2
M 63	PG 48	2	2

AK 232



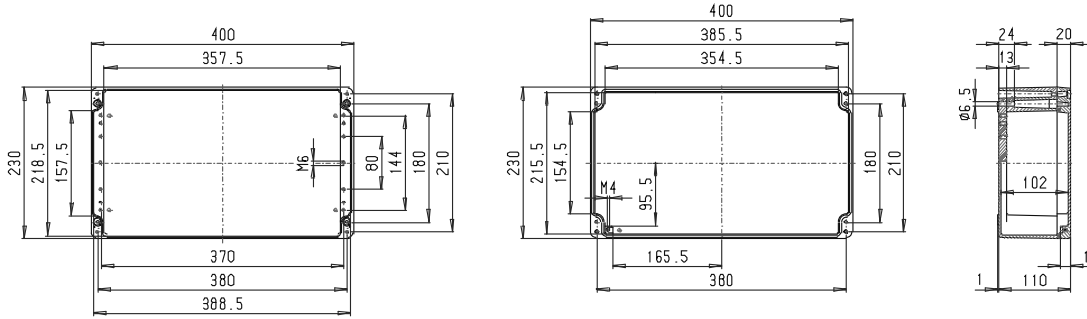
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
M 16	PG 7	52	32
	PG 9	36	24
	PG 11	30	18
M 20	PG 13,5	27	12
	PG 16	16	10
M 25	PG 21	12	8
M 32	PG 29	6	4
M 40	PG 36	4	2
M 50	PG 42	3	2
M 63	PG 48	3	2

AK 233



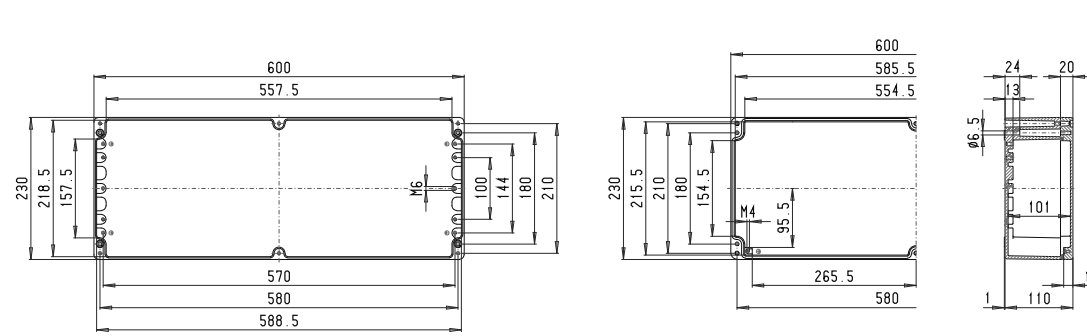
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
M 16	PG 7	64	32
	PG 9	52	24
	PG 11	36	18
M 20	PG 13,5	33	12
	PG 16	29	10
M 25	PG 21	14	8
M 32	PG 29	7	3
M 40	PG 36	5	2
M 50	PG 42	4	2
M 63	PG 48	4	2

AK 234



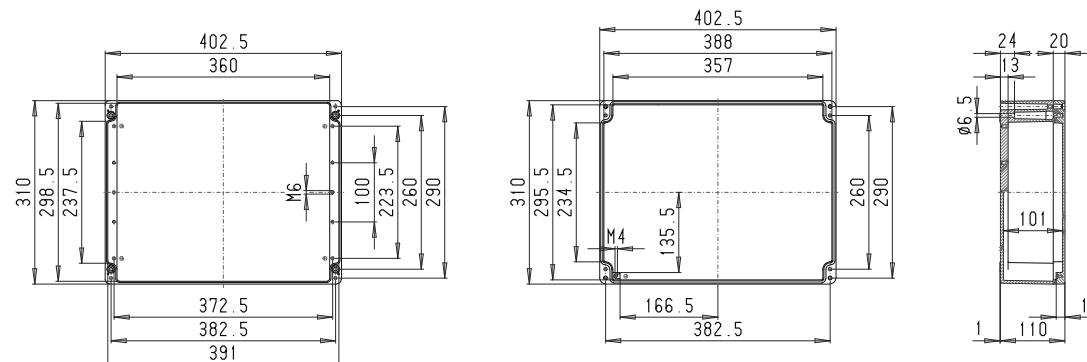
Maximum number of cable glands per enclosure side		
A	B	A/B C/D
PG 7	80	32
M 16	PG 9	57 24
	PG 11	45 18
M 20	PG 13,5	39 12
	PG 16	26 10
M 25	PG 21	18 8
M 32	PG 29	10 4
M 40	PG 36	6 2
M 50	PG 42	5 2
M 63	PG 48	5 2

AK 235



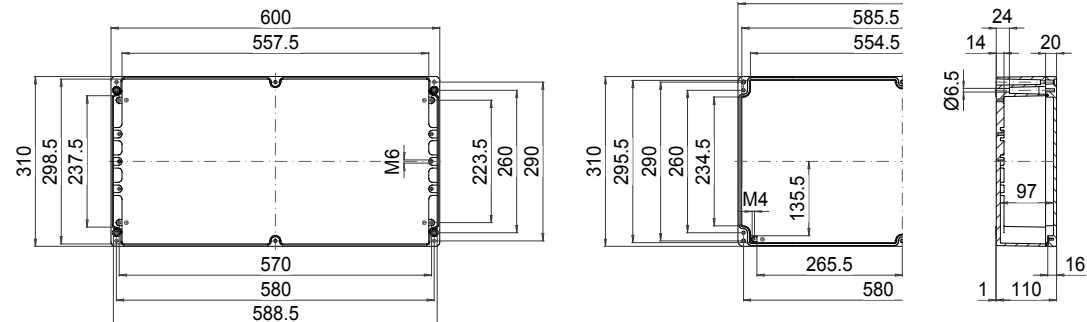
Maximum number of cable glands per enclosure side		
A	B	A/B C/D
PG 7	120	32
M 16	PG 9	96 24
	PG 11	66 18
M 20	PG 13,5	60 12
	PG 16	36 10
M 25	PG 21	24 8
M 32	PG 29	14 3
M 40	PG 36	8 2
M 50	PG 42	8 2
M 63	PG 48	6 2

AK 311



Maximum number of cable glands per enclosure side		
A	B	A/B C/D
PG 7	76	42
M 16	PG 9	57 36
	PG 11	45 27
M 20	PG 13,5	39 20
	PG 16	26 16
M 25	PG 21	18 12
M 32	PG 29	10 5
M 40	PG 36	6 4
M 50	PG 42	5 3
M 63	PG 48	3 3

AK 312



Maximum number of cable glands per enclosure side		
A	B	A/B C/D
PG 7	120	42
M 16	PG 9	96 36
	PG 11	66 27
M 20	PG 13,5	60 20
	PG 16	36 16
M 25	PG 21	24 12
M 32	PG 29	14 5
M 40	PG 36	10 4
M 50	PG 42	8 3
M 63	PG 48	6 3



Our *passion* is enclosures.



polyTOP

Modular enclosures made of glass fibre reinforced polyester

Technical data

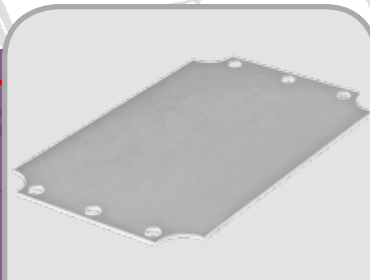
polyTOP



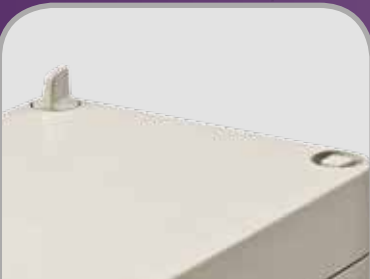
Compatible with aluNORM



Comprehensive range of accessories



Mounting plate



Large selection of...



...locking screws



Hinge



Mounting rail and terminals

Enclosure: Polyester glass fibre reinforced, halogen-free
Mould slope 1°, clear interior dimensions reduce circumferentially by 1° towards the enclosure bottom.

Components: Fixing web and base with M4/M6 threaded bushing in the lower section.

Fastening: Space-saving single-channel technology

Flammability: UL 94 V-0, self-extinguishing

Ingress protection: IP66 / EN 60529

Gasket: Chloroprene (CR) gasket (-30°C to +90°C)

Lid screws: Polyamide (PA), captive

Surface: RAL 7032, silky grey, surface resistance > 10⁹ Ω

Optionally available:

External mounting: Stainless steel 1.4301 (V2A)

Mounting plates: Sheet steel, galvanised

Gasket: Silicon gasket (-50°C to +140°C)

Ingress protection: IP67 / EN 60529

Surface: RAL 9005, deep black, surface resistance < 10⁹ Ω

Further options, see delivery overview.

Delivery overview polyTOP

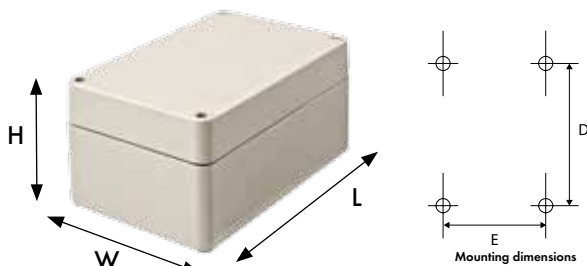
Type	Mat. no.	L	W	H	D	E	g	S	IN	V	W	X	H	M	A	T	67
PT 080	132.080.000	82	82	60	67	67	240	○	●	□	○	○	○	●	●	●	●
PT 082	132.082.000	122	82	60	107	67	340	○	●	□	○	○	○	●	●	●	●
PT 084	132.084.000	162	82	60	147	67	420	○	●	□	○	○	○	●	●	●	●
PT 100	132.100.000	102	102	81	87	78	520	●	●	□	○	○	○	●	●	●	●
PT 102	132.102.000	152	102	81	137	87	650	●	●	□	○	○	○	●	●	●	●
PT 104	132.104.000	202	102	81	187	87	770	●	●	□	○	○	○	●	●	●	●
PT 120	132.120.000	124	124	100	102	102	800	●	○	□	●	●	●	●	●	●	●
PT 122	132.122.000	184	124	100	162	102	860	●	○	□	●	●	●	●	●	●	●
PT 124	132.124.000	244	124	100	222	102	920	●	○	□	●	●	●	●	●	●	●
PT 160	132.160.000	164	164	100	142	142	820	●	○	□	●	●	●	●	●	●	●
PT 162	132.162.000	244	164	100	222	142	1.100	●	○	□	●	●	●	●	●	●	●
PT 164	132.164.000	324	164	100	302	142	1.340	●	○	□	●	●	●	●	●	●	●
PT 400	132.400.000	404	404	160	382	382	6.500	●	○	□	●	●	●	●	●	●	●

□ Standard ● Available ○ Not available

Approvals:



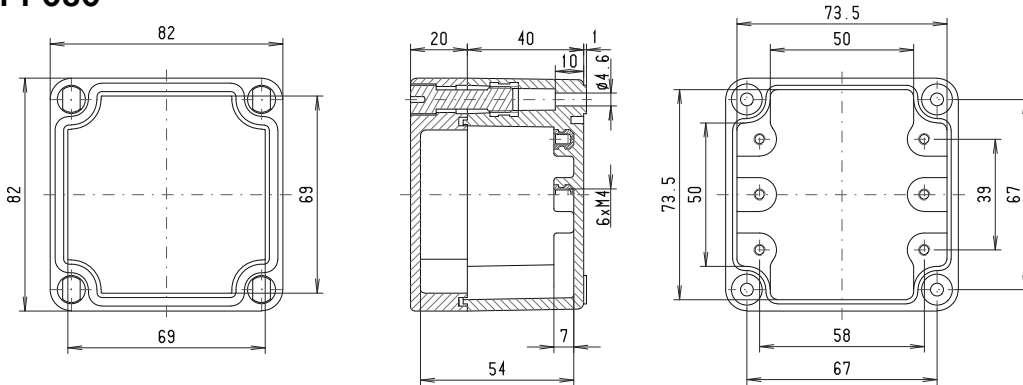
Extended approvals:



ROLEC Attachment and mounting dimensions

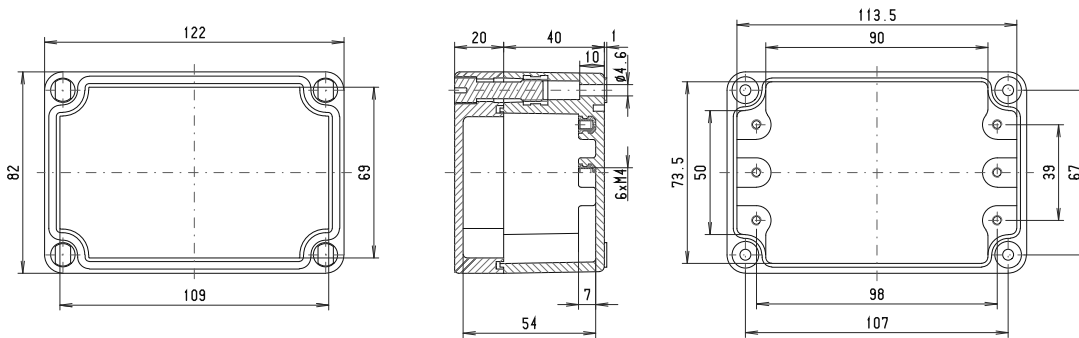
polyTOP

PT 080



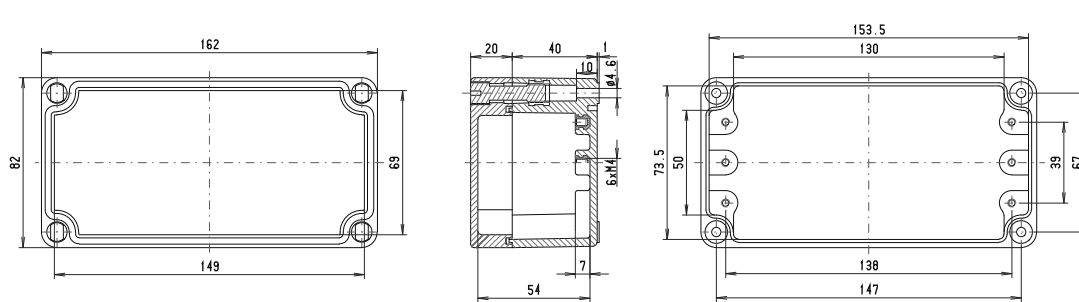
Maximum number of cable glands per enclosure side			
A	B	C	D
PG 7	2	2	
PG 9	2	2	
PG 11			
PG 13,5			
PG 16			
PG 21			
PG 29			
PG 36			
PG 42			
PG 48			

PT 082



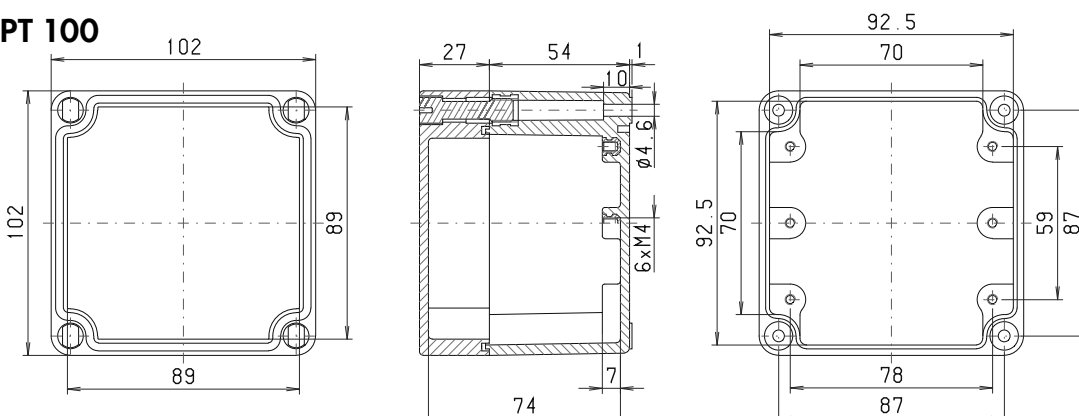
Maximum number of cable glands per enclosure side			
A	B	C	D
PG 7	4	2	
PG 9	3	2	
PG 11	3		
PG 13,5	3		
PG 16	2		
PG 21	1		
PG 29			
PG 36			
PG 42			
PG 48			

PT 084



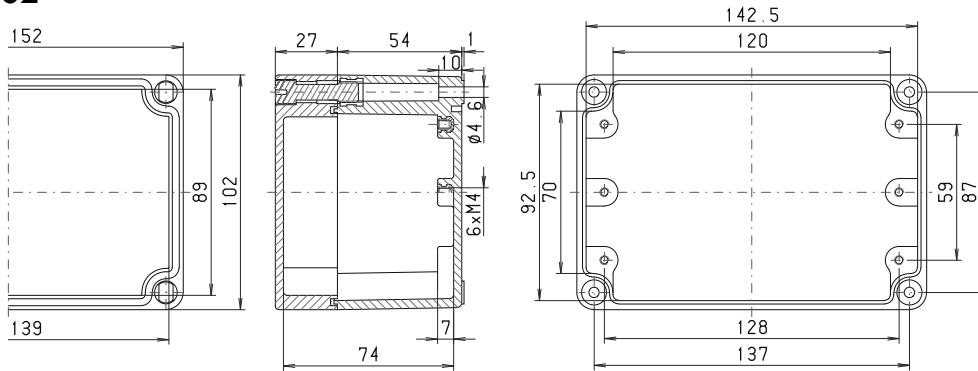
Maximum number of cable glands per enclosure side			
A	B	C	D
PG 7	10	2	
PG 9	6	2	
PG 11	5		
PG 13,5	4		
PG 16	4		
PG 21	4		
PG 29	3		
PG 36			
PG 42			
PG 48			

PT 100



Maximum number of cable glands per enclosure side			
A	B	C	D
PG 7	4	2	
PG 9	3	2	
PG 11	3	2	
PG 13,5	3	1	
PG 16	2		
PG 21	1		
PG 29	1		
PG 36			
PG 42			
PG 48			

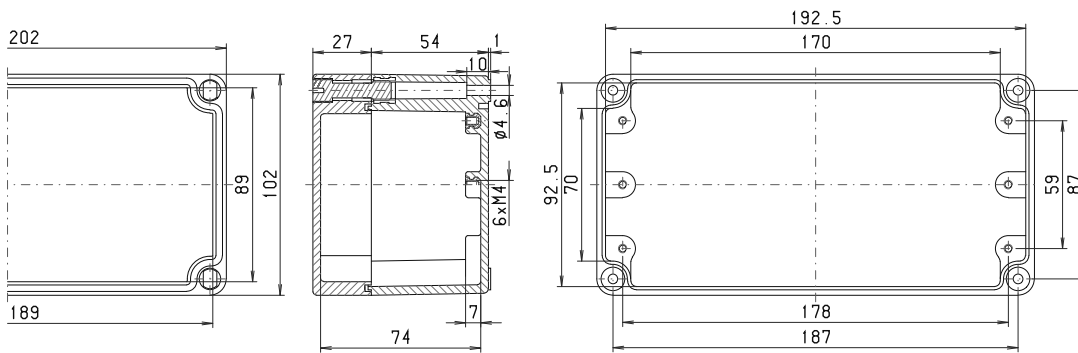
PT 102



Maximum number of cable glands per enclosure side

A C B D		A/B/C/D	
	PG 7	8	2
M 16	PG 9	6	2
	PG 11	4	2
M 20	PG 13,5	4	1
	PG 16	3	1
M 25	PG 21	2	
M 32	PG 29	1	
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

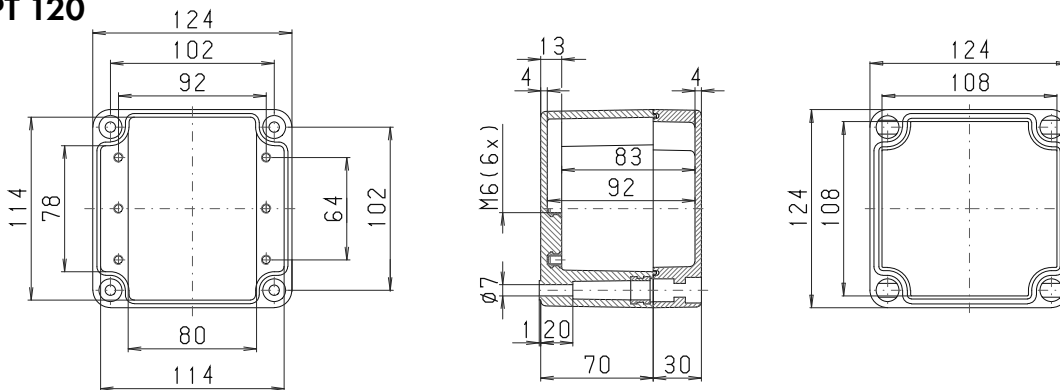
PT 104



Maximum number of cable glands per enclosure side

A C B D		A/B/C/D	
	PG 7	10	2
M 16	PG 9	8	2
	PG 11	6	2
M 20	PG 13,5	5	1
	PG 16	4	1
M 25	PG 21	3	
M 32	PG 29	2	
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

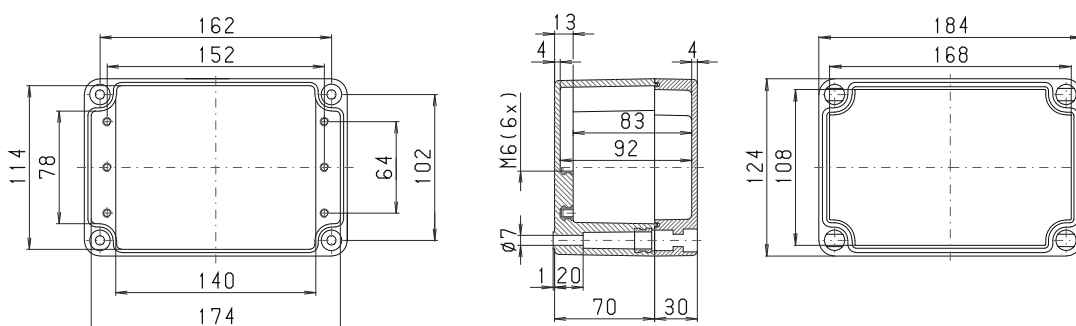
PT 120



Maximum number of cable glands per enclosure side

A C B D		A/B/C/D	
	PG 7	12	9
M 16	PG 9	8	6
	PG 11	8	5
M 20	PG 13,5	5	4
	PG 16	4	4
M 25	PG 21	3	
M 32	PG 29	1	
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

PT 122



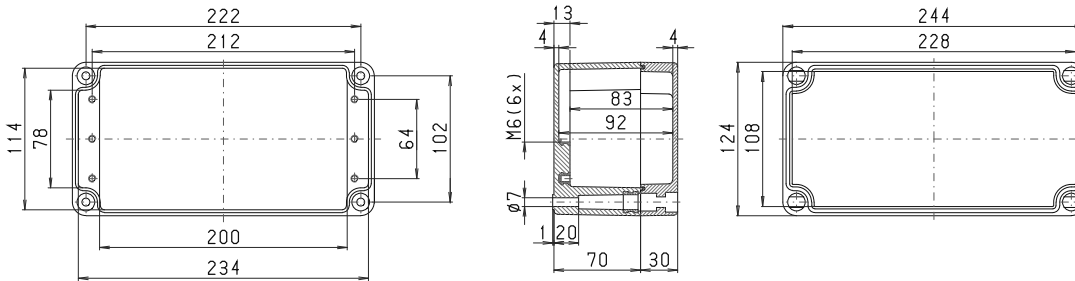
Maximum number of cable glands per enclosure side

A C B D		A/B/C/D	
	PG 7	12	9
M 16	PG 9	11	6
	PG 11	11	5
M 20	PG 13,5	8	4
	PG 16	5	4
M 25	PG 21	3	
M 32	PG 29	3	
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

ROLEC Attachment and mounting dimensions

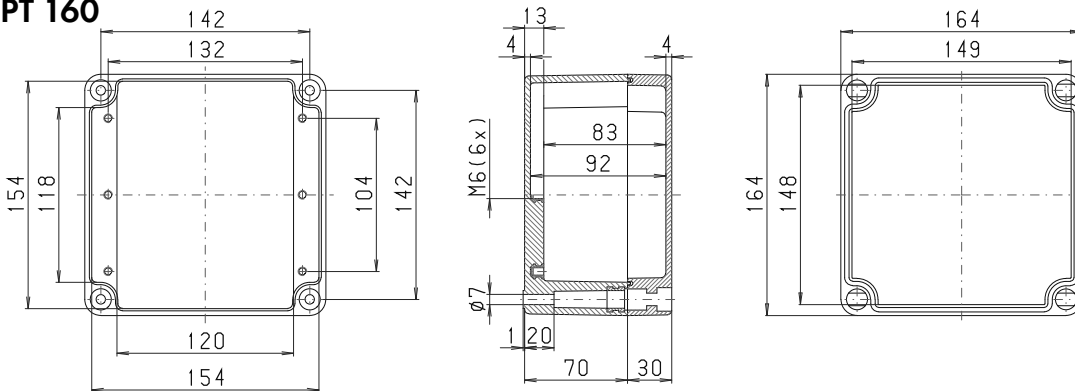
polyTOP

PT 124



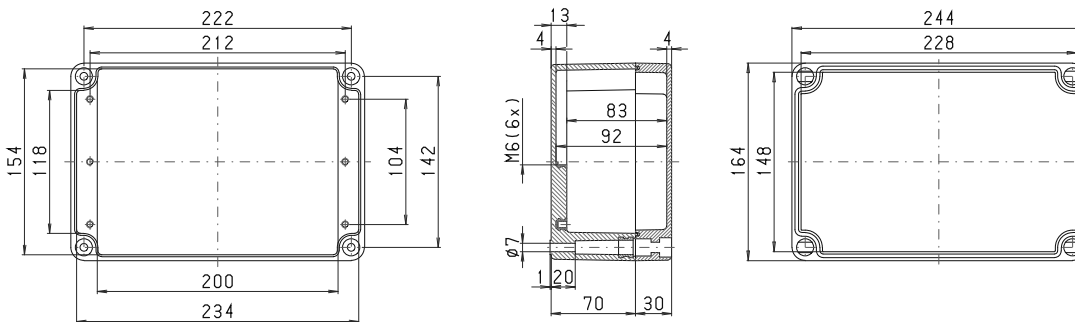
Maximum number of cable glands per enclosure side			
A C □ D B		A/B C/D	
		PG 7	20
M 16	PG 9	17	6
	PG 11	14	5
M 20	PG 13,5	11	4
	PG 16	7	4
M 25	PG 21	4	
M 32	PG 29	3	
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

PT 160



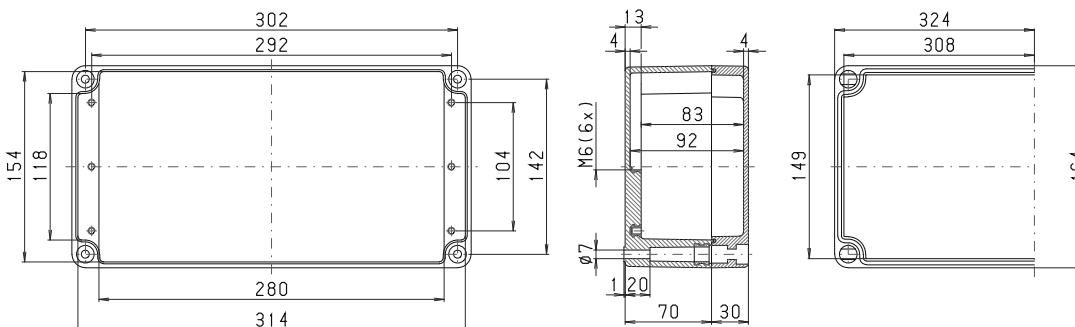
Maximum number of cable glands per enclosure side			
A C □ D B		A/B C/D	
		PG 7	15
M 16	PG 9	14	3
	PG 11	9	2
M 20	PG 13,5	8	2
	PG 16	6	2
M 25	PG 21	2	
M 32	PG 29	2	
M 40	PG 36	1	
M 50	PG 42		
M 63	PG 48		

PT 162



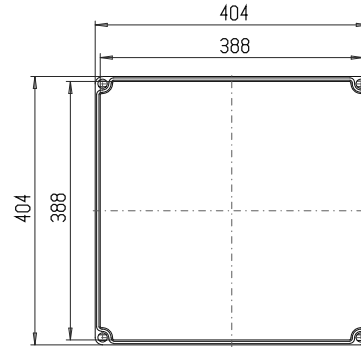
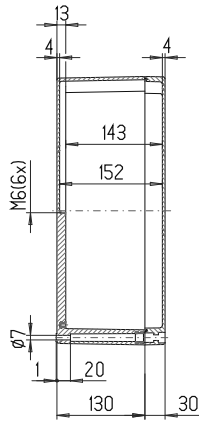
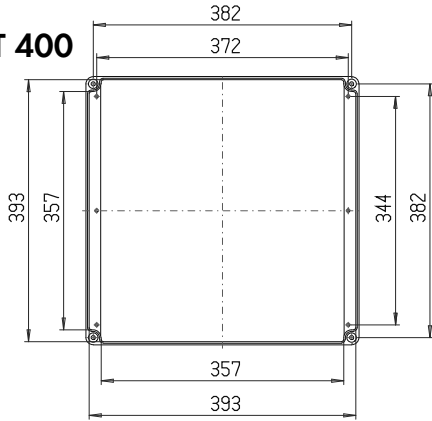
Maximum number of cable glands per enclosure side			
A C □ D B		A/B C/D	
		PG 7	24
M 16	PG 9	21	3
	PG 11	15	2
M 20	PG 13,5	12	2
	PG 16	10	2
M 25	PG 21	4	
M 32	PG 29	3	
M 40	PG 36	3	
M 50	PG 42	2	
M 63	PG 48		

PT 164



Maximum number of cable glands per enclosure side			
A C □ D B		A/B C/D	
		PG 7	36
M 16	PG 9	24	3
	PG 11	21	2
M 20	PG 13,5	17	2
	PG 16	13	2
M 25	PG 21	6	
M 32	PG 29	4	
M 40	PG 36	3	
M 50	PG 42	3	
M 63	PG 48		

PT 400



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
	PG 7	52	52
M 16	PG 9	33	33
	PG 11	30	30
M 20	PG 13,5	27	27
	PG 16	26	26
M 25	PG 21	20	20
M 32	PG 29	10	10
M 40	PG 36	9	9
M 50	PG 42	5	5
M 63	PG 48	3	3



Our *passion* is enclosures.



polyDOOR

Enclosures with integrated covers made of glass fibre reinforced polyester

Technical data

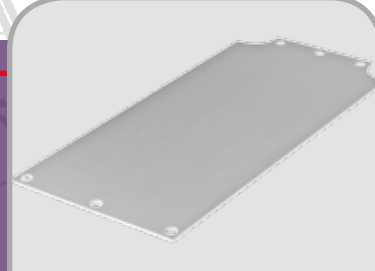
polyDOOR



With integrated hinges



Version with window FE



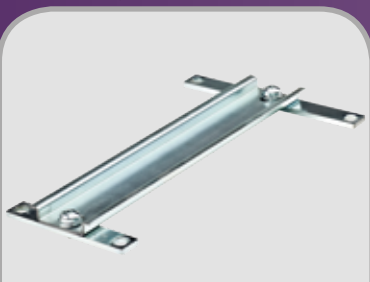
Mounting plate



Large selection of...



...locking screws



Cross rail



Mounting rail and terminals

Enclosure: Polyester glass fibre reinforced, halogen-free
1° mould slope for casting ejection, internal measures diminishing
circulatory towards enclosure bottom by 1°.

Components: Mounting socket with M6
threaded bushing in the lower section.

Fastening: Space-saving single-channel technology

Flammability: UL 94 V-0, self-extinguishing

Type of protection: IP66 / EN 60529

Gasket: Chloroprene (CR) gasket (-30°C to +90°C)

Lid screws: Polyamide (PA), captive

Surface: RAL 7032, silky grey, surface resistance > 10⁹ Ω

Optionally available:

External mounting feet: Stainless steel 1.4301 (V2A)

Mounting plates: Sheet steel, galvanised

Gasket: Silicon gasket (-50°C to +140°C)

Surface: RAL 9005, deep black, surface resistance < 10⁹ Ω

Further options, see delivery overview.

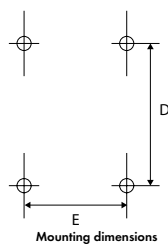
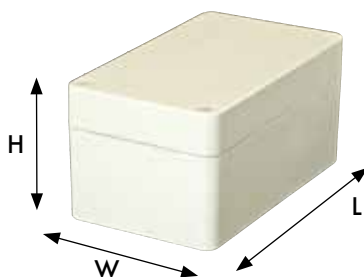
Delivery overview polyDOOR

Type	Mat. no.	L	W	H	D	E	g	S	V	W	X	H	M	A	T*	Q
PD 120	130.120.000	140	120	100	118	98	850	☐	☐	●	●	●	●	●	●	●
PD 122	130.122.000	200	120	100	178	98	1.060	☐	☐	●	●	●	●	●	●	●
PD 124	130.124.000	260	120	100	238	98	1.250	☐	☐	●	●	●	●	●	●	●
PD 160	130.160.000	180	160	100	158	138	1.180	☐	☐	●	●	●	●	●	●	●
PD 162	130.162.000	260	160	100	238	138	1.500	☐	☐	●	●	●	●	●	●	●
PD 164	130.164.000	340	160	100	318	138	1.790	☐	☐	●	●	●	●	●	●	●
PD 200	130.200.000	220	200	120	198	178	1.800	☐	☐	●	●	●	●	●	●	●
PD 202	130.202.000	320	200	120	298	178	2.280	☐	☐	●	●	●	●	●	●	●
PD 120 FE	131.120.000	140	120	100	118	98	850	☐	☐	●	●	●	●	●	●	●
PD 122 FE	131.122.000	200	120	100	178	98	1.060	☐	☐	●	●	●	●	●	●	●
PD 124 FE	131.124.000	260	120	100	238	98	1.250	☐	☐	●	●	●	●	●	●	●
PD 160 FE	131.160.000	180	160	100	158	138	1.180	☐	☐	●	●	●	●	●	●	●
PD 162 FE	131.162.000	260	160	100	238	138	1.500	☐	☐	●	●	●	●	●	●	●
PD 164 FE	131.164.000	340	160	100	318	138	1.790	☐	☐	●	●	●	●	●	●	●
PD 200 FE	131.200.000	220	200	120	198	178	1.800	☐	☐	●	●	●	●	●	●	●
PD 202 FE	131.202.000	320	200	120	298	178	2.280	☐	☐	●	●	●	●	●	●	●

* T can only be mounted with Q

☐ Standard ● Available ○ Not available

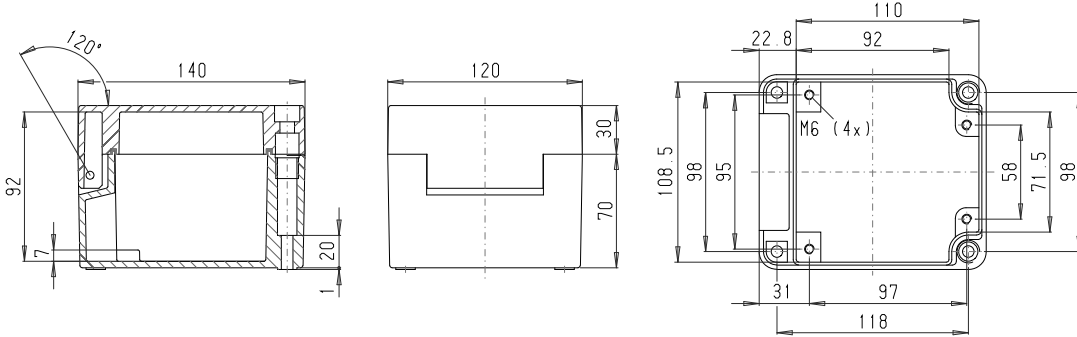
Approvals:



ROLEC Attachment and mounting dimensions

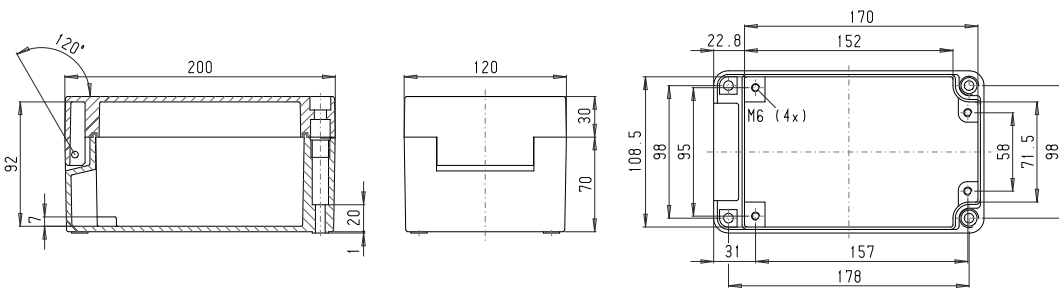
polyDOOR

PD 120



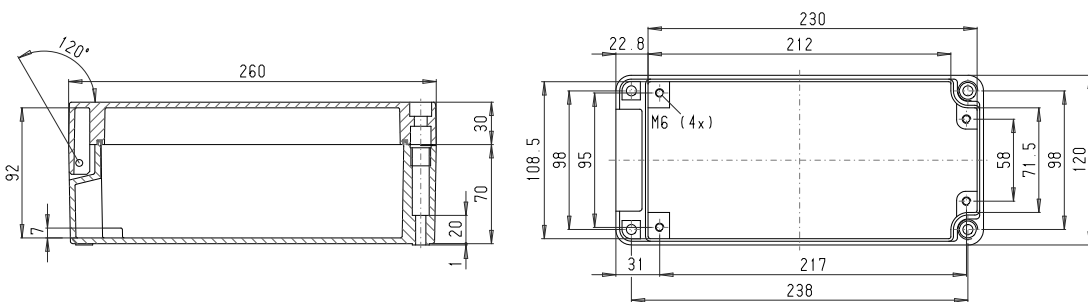
Maximum number of cable glands per enclosure side			
C	A		D
	B	D	
M 16	PG 7	12	9
	PG 9	8	6
	PG 11	8	5
M 20	PG 13,5	5	4
	PG 16	4	4
M 25	PG 21	3	
M 32	PG 29	1	
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

PD 122



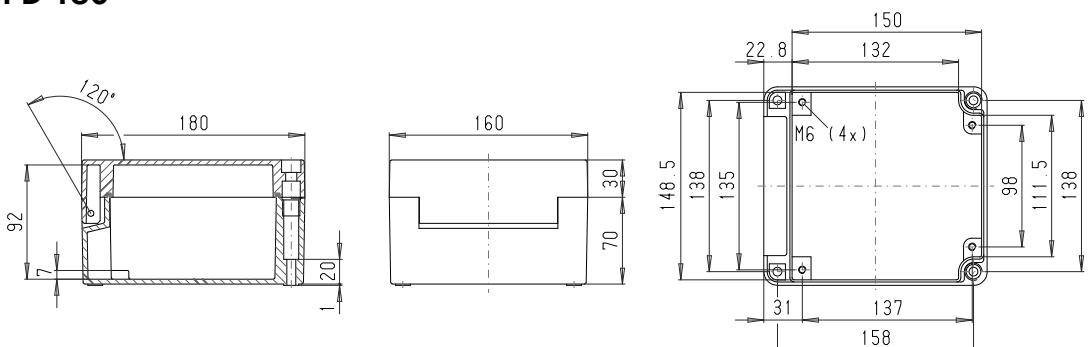
Maximum number of cable glands per enclosure side			
C	A		D
	B	D	
M 16	PG 7	12	9
	PG 9	11	6
	PG 11	11	5
M 20	PG 13,5	8	4
	PG 16	5	4
M 25	PG 21	3	
M 32	PG 29	3	
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

PD 124



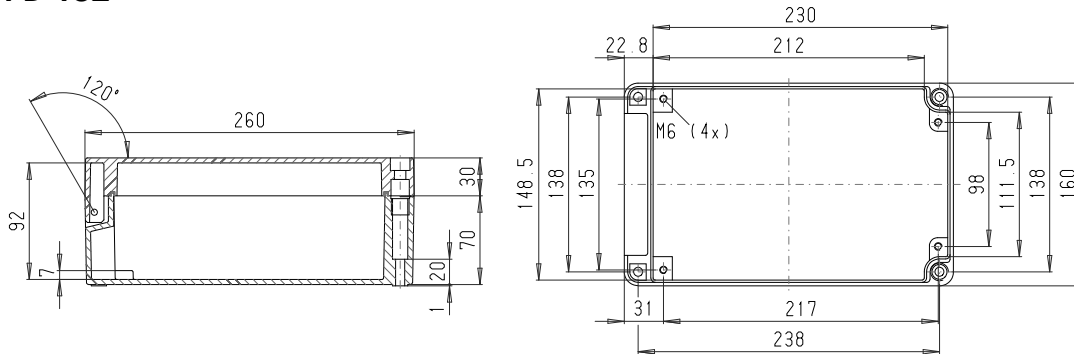
Maximum number of cable glands per enclosure side			
C	A		D
	B	D	
M 16	PG 7	20	9
	PG 9	17	6
	PG 11	14	5
M 20	PG 13,5	11	4
	PG 16	7	4
M 25	PG 21	4	
M 32	PG 29	3	
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

PD 160



Maximum number of cable glands per enclosure side			
C	A		D
	B	D	
M 16	PG 7	15	4
	PG 9	14	3
	PG 11	9	2
M 20	PG 13,5	8	2
	PG 16	6	2
M 25	PG 21	2	
M 32	PG 29	2	
M 40	PG 36	1	
M 50	PG 42		
M 63	PG 48		

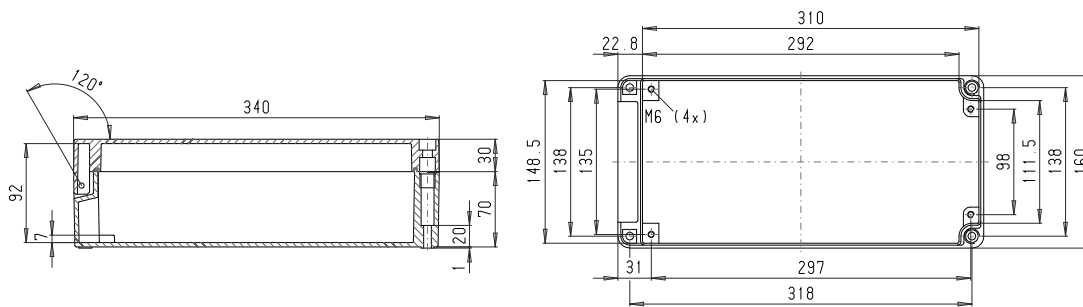
PD 162



Maximum number of cable glands per enclosure side

C	A		A/B	D
	B	D		
			PG 7	24 4
M 16			PG 9	21 3
			PG 11	12 2
M 20			PG 13,5	10 2
			PG 16	4
M 25			PG 21	3
M 32			PG 29	3
M 40			PG 36	2
M 50			PG 42	
M 63			PG 48	

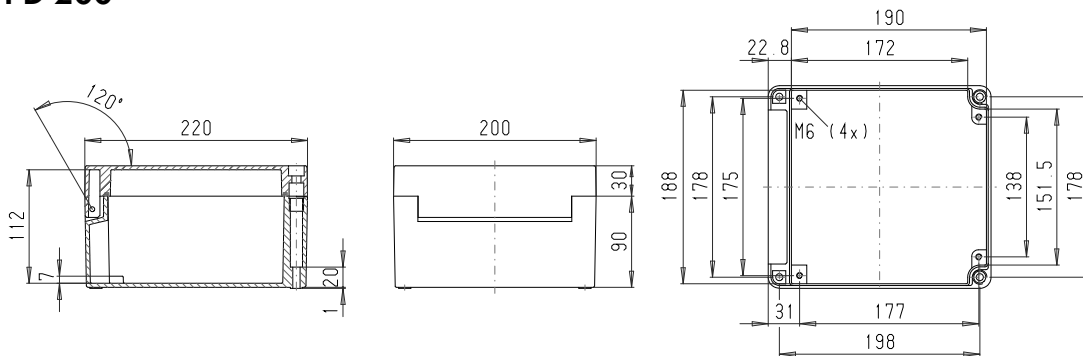
PD 164



Maximum number of cable glands per enclosure side

C	A		A/B	D
	B	D		
			PG 7	36 4
M 16			PG 9	24 3
			PG 11	21 2
M 20			PG 13,5	13 2
			PG 16	6
M 25			PG 21	4
M 32			PG 29	3
M 40			PG 36	3
M 50			PG 42	
M 63			PG 48	

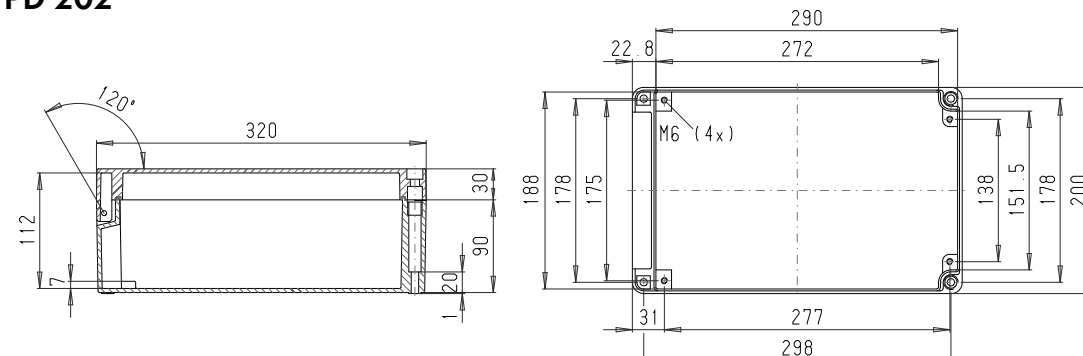
PD 200



Maximum number of cable glands per enclosure side

C	A		A/B	D
	B	D		
			PG 7	30 30
M 16			PG 9	21 21
			PG 11	18 12
M 20			PG 13,5	14 11
			PG 16	9 9
M 25			PG 21	8 5
M 32			PG 29	4 3
M 40			PG 36	2 2
M 50			PG 42	
M 63			PG 48	

PD 202



Maximum number of cable glands per enclosure side

C	A		A/B	D
	B	D		
			PG 7	50 30
M 16			PG 9	33 21
			PG 11	27 12
M 20			PG 13,5	21 11
			PG 16	15 9
M 25			PG 21	13 5
M 32			PG 29	6 3
M 40			PG 36	4 2
M 50			PG 42	
M 63			PG 48	



Our *passion* is enclosures.



polyKOM

Standard enclosures made of glass fibre reinforced polyester

Technical data

polyKOM



Compatible with conventional brands



Hinge



External mounting feet V2A



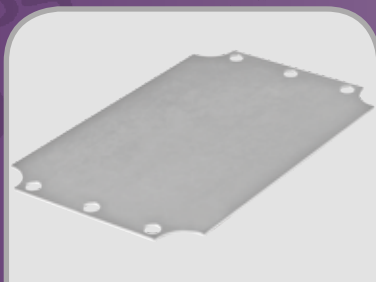
Hold hinge



Hexagon socket lid screws



Mounting rail and terminals



Mounting plate

Enclosure: Polyester glass fibre reinforced, halogen-free
1° mould slope for casting ejection, internal measures diminishing
circulatory towards enclosure bottom by 1°.

Components: Mounting webs with M4/M6
threaded bushing in the enclosure bottom.

Fastening: Separate screw channels outside of the
enclosure interior

Flammability: UL 94 V-0, self-extinguishing

Ingress Protection: IP65 / EN 60529

Gasket: Chloroprene (CR) gasket (-30°C to +90°C)

Captive screws: Stainless steel 1.4567 (V2A), captive

Surface: RAL 7000, squirrel grey, surface resistance > 10⁹ Ω

Optionally available:

External mounting feet: Stainless steel 1.4301 (V2A)

Mounting plates: Sheet steel, galvanised

Gasket: Silicone gasket (-50°C to +140°C)

Surface: RAL 9005, deep black, surface resistance < 10⁹ Ω

Further options, see delivery overview.

Delivery overview polyKOM

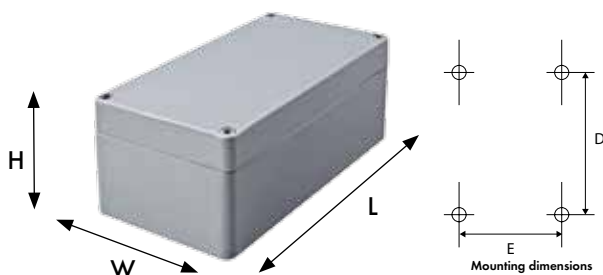
Type	Mat. no.	L	W	H	D	E	g	A	S	HS	IN	M	D	T
PK 081	180.081.000	80	75	55	68	45	230	○	○	○	○	●	●	●
PKH 081	182.081.000	80	75	75	68	45	300	○	○	○	○	●	●	●
PK 082	180.082.000	110	75	55	98	45	295	○	○	○	○	●	●	●
PK 083	180.083.000	160	75	55	148	45	405	○	○	○	○	●	●	●
PK 084	180.084.000	190	75	55	178	45	450	○	○	○	○	●	●	●
PK 121	180.121.000	122	120	90	106	82	750	●	●	●	●	●	●	●
PK 123	180.123.000	220	120	90	204	82	1.060	●	●	●	●	●	●	●
PK 161	180.161.000	160	160	90	140	110	1.130	●	●	●	●	●	●	●
PK 162	180.162.000	260	160	90	240	110	1.710	●	●	●	●	●	●	●
PK 163	180.163.000	360	160	90	340	110	2.150	●	●	●	●	●	●	●
PK 164	180.164.000	560	160	90	540	110	3.185	●	●	●	●	●	●	●
PK 251	180.251.000	255	250	120	235	200	2.650	●	●	●	●	●	●	●
PK 252	180.252.000	400	250	120	380	200	3.650	●	●	●	●	●	●	●
PK 254	180.254.000	600	250	120	580	200	5.235	●	●	●	●	●	●	●
PK 411	180.411.000	400	405	120	380	355	5.580	●	●	●	●	●	●	●

□ Standard ● Available ○ Not available

Approvals:



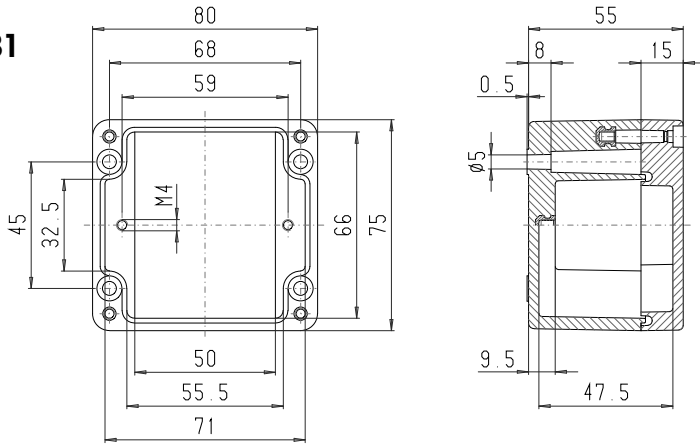
Extended approvals:



ROLEC Attachment and mounting dimensions

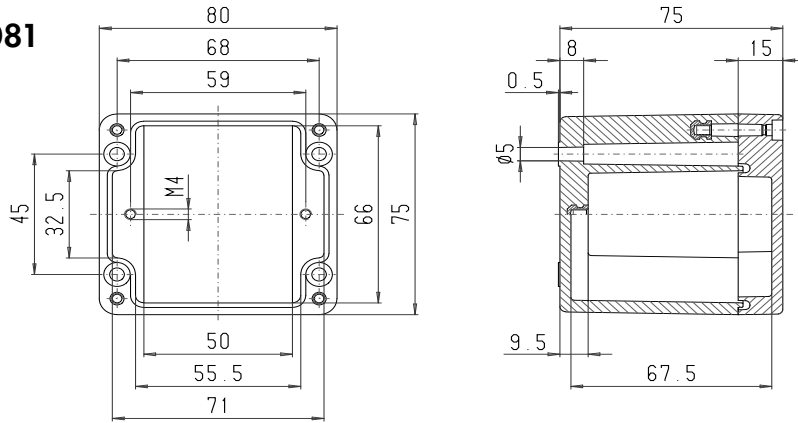
polyKOM

PK 081



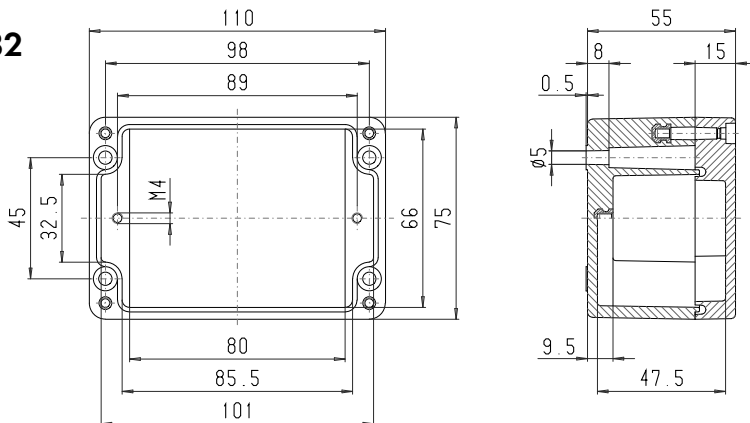
Maximum number of cable glands per enclosure side			
C	A		A/B/C/D
	B	D	
		PG 7	5 2
M 16		PG 9	3 1
		PG 11	2 1
M 20		PG 13,5	2 1
		PG 16	2 1
M 25		PG 21	1
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

PKH 081



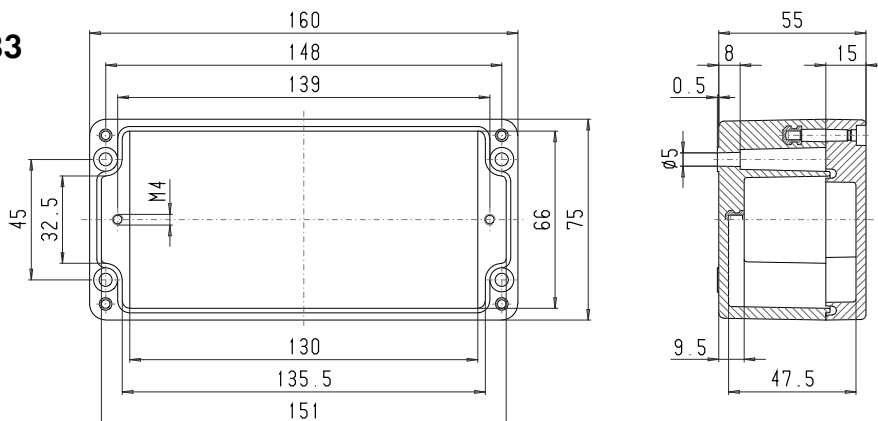
Maximum number of cable glands per enclosure side			
C	A		A/B/C/D
	B	D	
		PG 7	6 4
M 16		PG 9	6 2
		PG 11	4 2
M 20		PG 13,5	4 2
		PG 16	3 1
M 25		PG 21	1 1
M 32		PG 29	1
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

PK 082



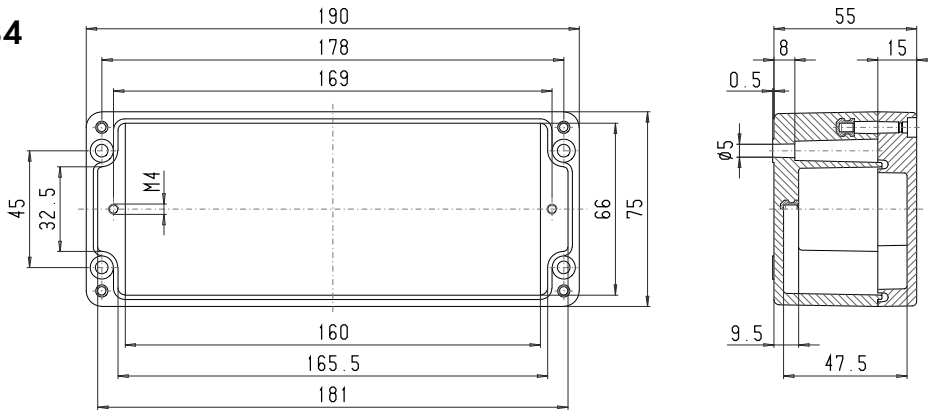
Maximum number of cable glands per enclosure side			
C	A		A/B/C/D
	B	D	
		PG 7	8 8
M 16		PG 9	5 1
		PG 11	3 1
M 20		PG 13,5	3 1
		PG 16	3 1
M 25		PG 21	2
M 32		PG 29	2
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

PK 083



Maximum number of cable glands per enclosure side			
C	A		A/B/C/D
	B	D	
		PG 7	13 2
M 16		PG 9	8 1
		PG 11	6 1
M 20		PG 13,5	5 1
		PG 16	4 1
M 25		PG 21	3
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

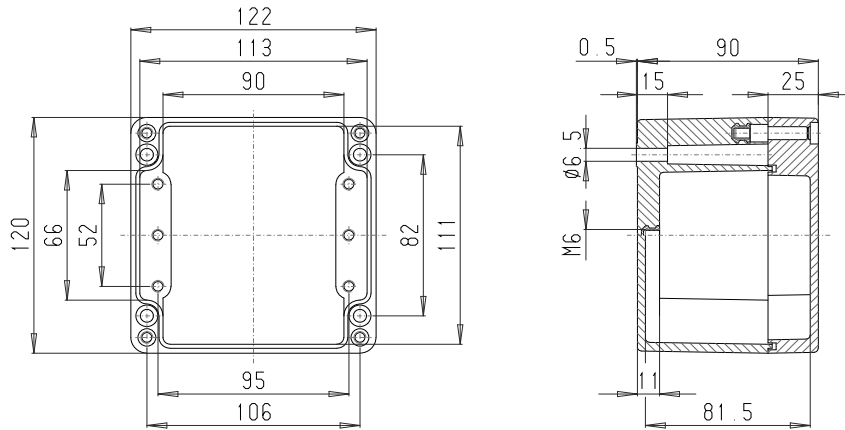
PK 084



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	16 2
M 16			PG 9	10 1
			PG 11	7 1
M 20			PG 13,5	6 1
			PG 16	5 1
M 25			PG 21	4
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

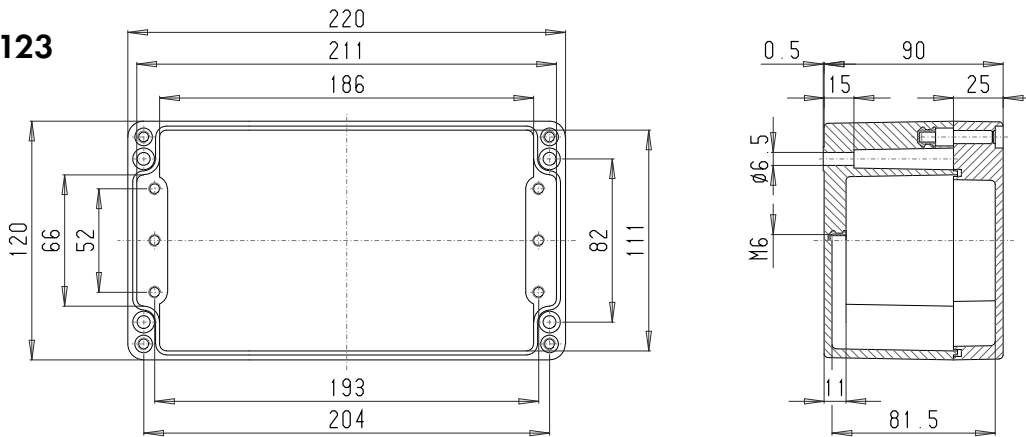
PK 121



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	12 8
M 16			PG 9	8 6
			PG 11	8 4
M 20			PG 13,5	6 4
			PG 16	6 3
M 25			PG 21	2 2
M 32			PG 29	2 1
M 40			PG 36	1
M 50			PG 42	
M 63			PG 48	

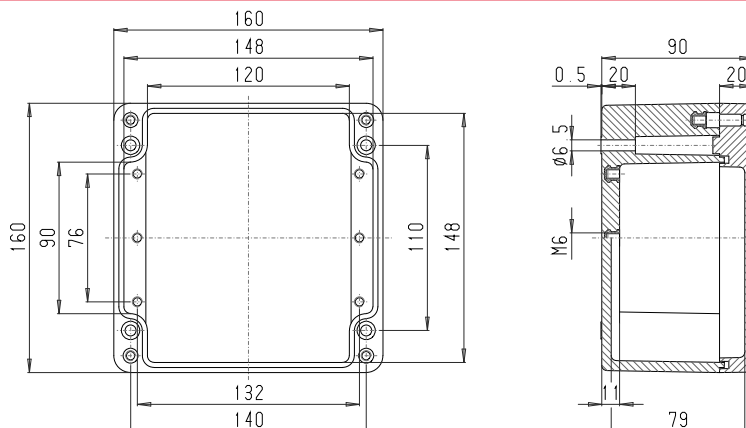
PK 123



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	27 8
M 16			PG 9	20 6
			PG 11	16 4
M 20			PG 13,5	14 4
			PG 16	12 3
M 25			PG 21	5 2
M 32			PG 29	3 1
M 40			PG 36	3 1
M 50			PG 42	
M 63			PG 48	

PK 161



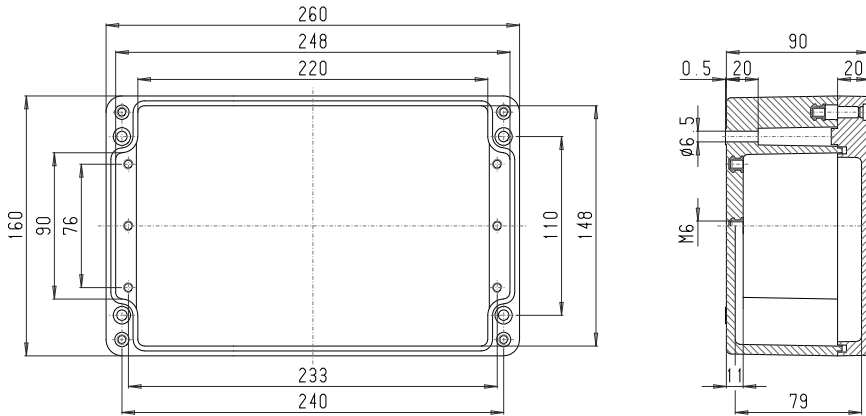
Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	18 12
M 16			PG 9	15 8
			PG 11	10 8
M 20			PG 13,5	10 6
			PG 16	8 6
M 25			PG 21	4 2
M 32			PG 29	2 2
M 40			PG 36	2 1
M 50			PG 42	1
M 63			PG 48	

ROLEC Attachment and mounting dimensions

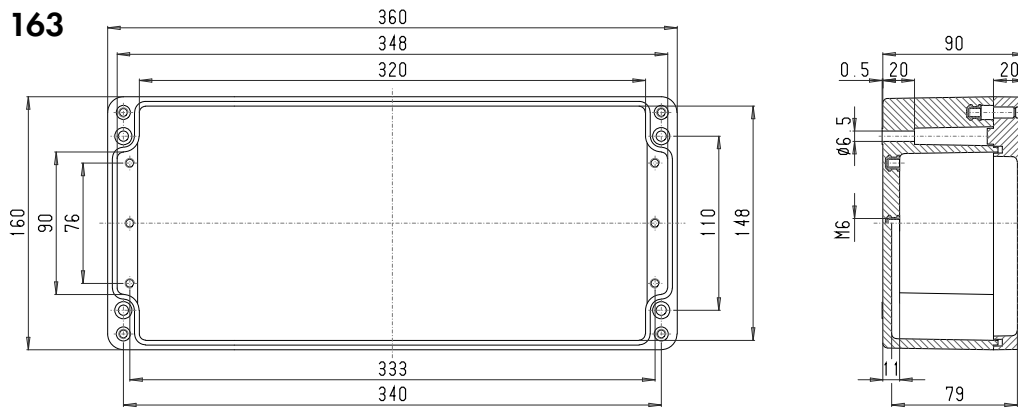
polyKOM

PK 162



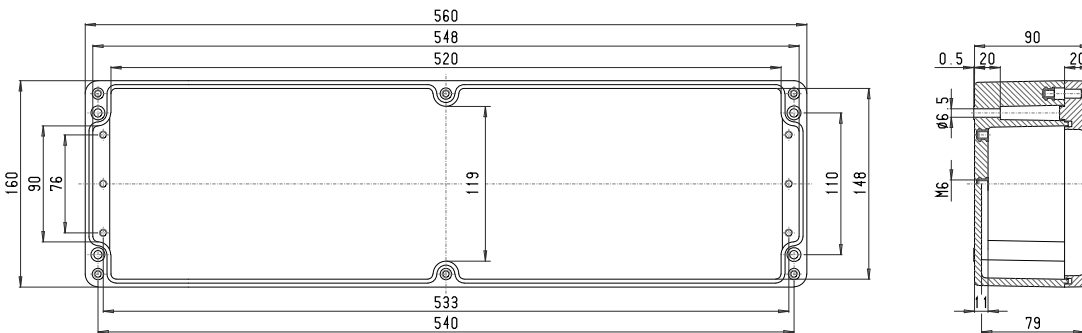
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
		PG 7	36 12
M 16		PG 9	30 8
		PG 11	18 8
M 20		PG 13,5	18 6
		PG 16	14 6
M 25		PG 21	7 2
M 32		PG 29	4 1
M 40		PG 36	3 1
M 50		PG 42	3
M 63		PG 48	

PK 163



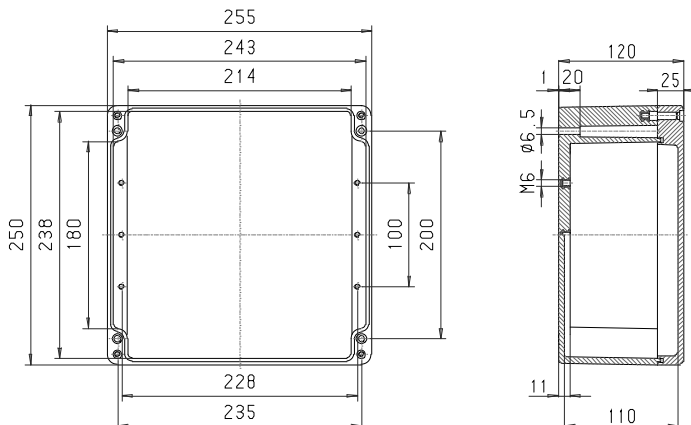
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
		PG 7	51 12
M 16		PG 9	42 8
		PG 11	28 8
M 20		PG 13,5	26 6
		PG 16	20 6
M 25		PG 21	11 2
M 32		PG 29	6 2
M 40		PG 36	5 1
M 50		PG 42	4
M 63		PG 48	

PK 164



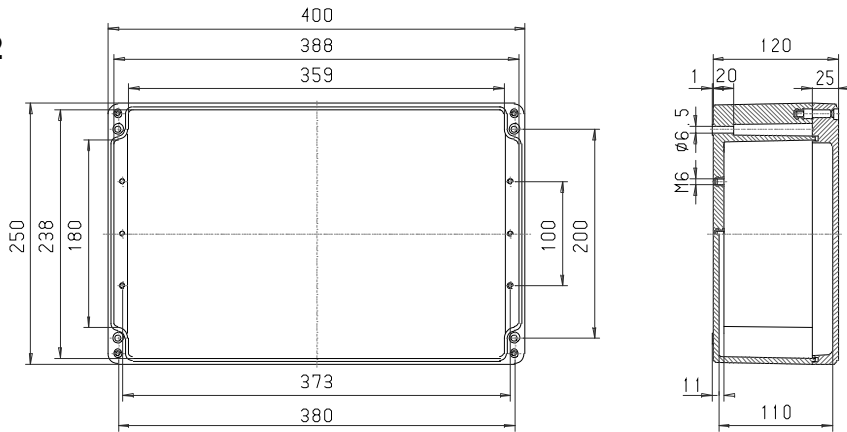
Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
		PG 7	89 12
M 16		PG 9	66 8
		PG 11	44 8
M 20		PG 13,5	40 6
		PG 16	32 6
M 25		PG 21	16 2
M 32		PG 29	10 2
M 40		PG 36	8 1
M 50		PG 42	6
M 63		PG 48	

PK 251



Maximum number of cable glands per enclosure side			
A	B	C/D	A/B/C/D
		PG 7	48 40
M 16		PG 9	40 27
		PG 11	27 21
M 20		PG 13,5	24 21
		PG 16	14 12
M 25		PG 21	10 8
M 32		PG 29	7 5
M 40		PG 36	4 3
M 50		PG 42	3 2
M 63		PG 48	3 2

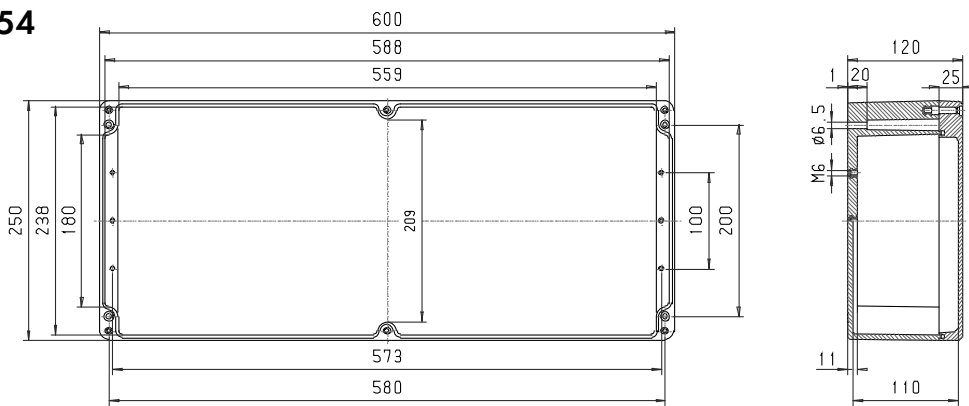
PK 252



Maximum number of cable glands per enclosure side

C	A		A/B C/D	
	B	D	A/B	C/D
			PG 7	84 36
M 16			PG 9	64 27
			PG 11	48 21
M 20			PG 13,5	42 18
			PG 16	26 12
M 25			PG 21	18 8
M 32			PG 29	12 5
M 40			PG 36	6 3
M 50			PG 42	5 2
M 63			PG 48	5 2

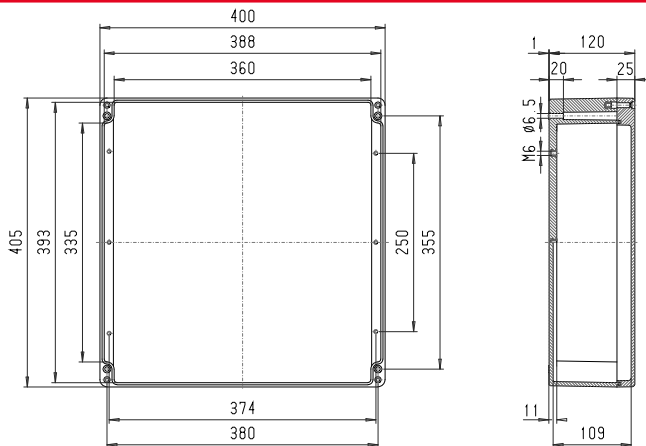
PK 254



Maximum number of cable glands per enclosure side

C	A		A/B C/D	
	B	D	A/B	C/D
			PG 7	120 36
M 16			PG 9	96 27
			PG 11	72 21
M 20			PG 13,5	66 18
			PG 16	36 12
M 25			PG 21	28 8
M 32			PG 29	18 5
M 40			PG 36	10 3
M 50			PG 42	8 2
M 63			PG 48	6 2

PK 411



Maximum number of cable glands per enclosure side

C	A		A/B C/D	
	B	D	A/B	C/D
			PG 7	84 72
M 16			PG 9	64 51
			PG 11	48 42
M 20			PG 13,5	42 36
			PG 16	26 24
M 25			PG 21	18 16
M 32			PG 29	12 9
M 40			PG 36	6 6
M 50			PG 42	5 5
M 63			PG 48	5 4



Our *passion* is enclosures.



starCASE

Premium enclosures made of ABS-FR V-0

Technical data

starCASE



Integrated lid support



Enclosure can be installed after closing



Sealing set



Integrated design covers for screwless appearance



Fixing points for circuit boards, DIN rails, etc.



Access safeguard by means of insert lock



Integrated recess for membrane keypads

Enclosure: Thermoplastic ABS-FR, halogen-free. 2° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 2°.

Flammability: UL 94 V-0 1.5mm

Integrated recess: In the lid for membrane keypad or front plates

Components: Mounting dome for self-grooving fastener in the lid and bottom.

Ingress Protection: IP66 / EN 60529

Gasket: Silicone moulded gasket (-40°C to +120°C)

Lid screws: Stainless steel 1.4567 (V2A), captive

Design covers: Latching, thermoplastic ABS-FR, halogen-free in RAL 7035, light grey.

Integrated lid support: Plastic polypropylene (PP)

Surface: RAL 7035, light grey

Optionally available:

Gasket: EMC gasket (-55°C to +160°C)

EMC shielding: Aluminium (high vacuum) vapor-blast process 2.5µm

Surface: Special material on request

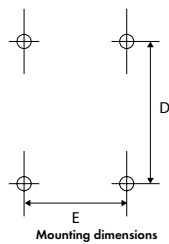
Further options, see delivery overview.



Delivery overview starCASE											
Type	Mat. no.	L	W	H	D	E	g	ID	EMC	ST	P
SC 090	230.090.000	120	90	50	99	34	155	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SC 092	230.092.000	160	90	50	139	34	191	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SC 110	230.110.000	140	110	60	119	54	232	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SC 112	230.112.000	200	110	60	179	54	346	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SC 130	230.130.000	160	130	60	139	74	277	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SC 150	230.150.000	180	150	60	159	94	350	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SC 172	230.172.000	280	170	60	259	114	531	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Standard Available Not available

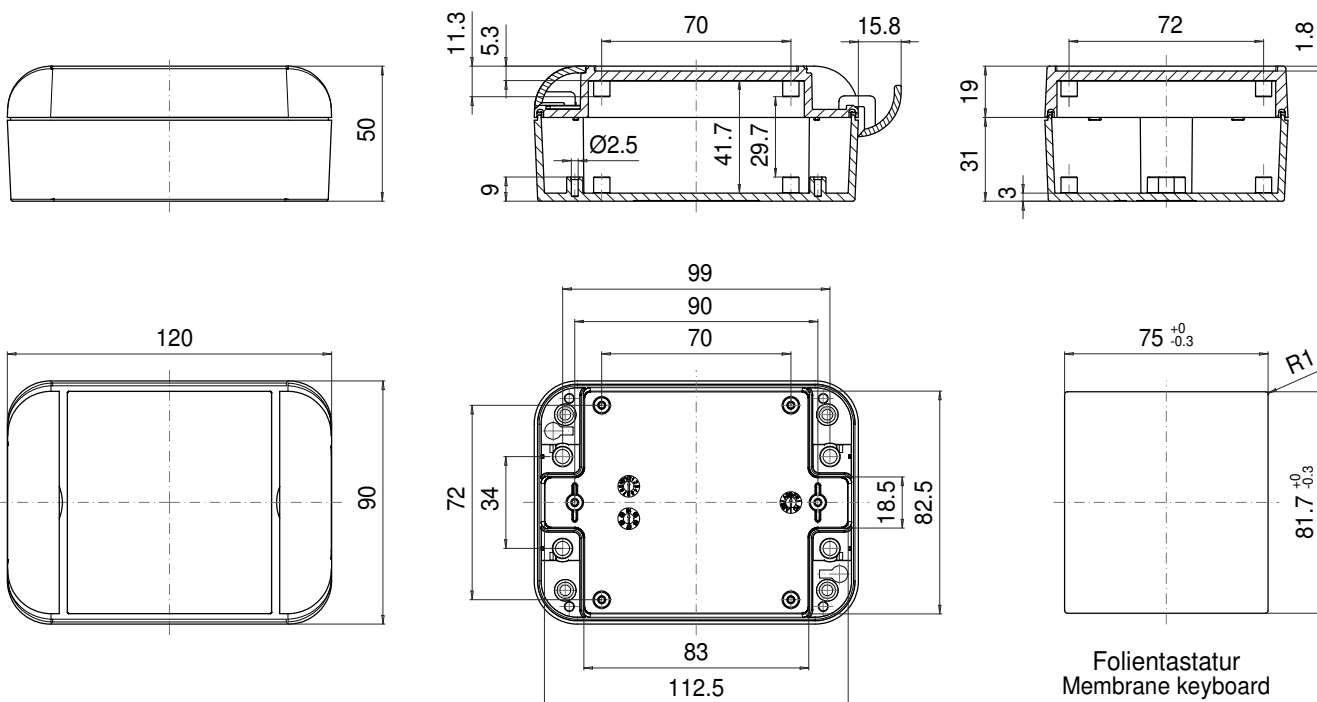
Approvals:



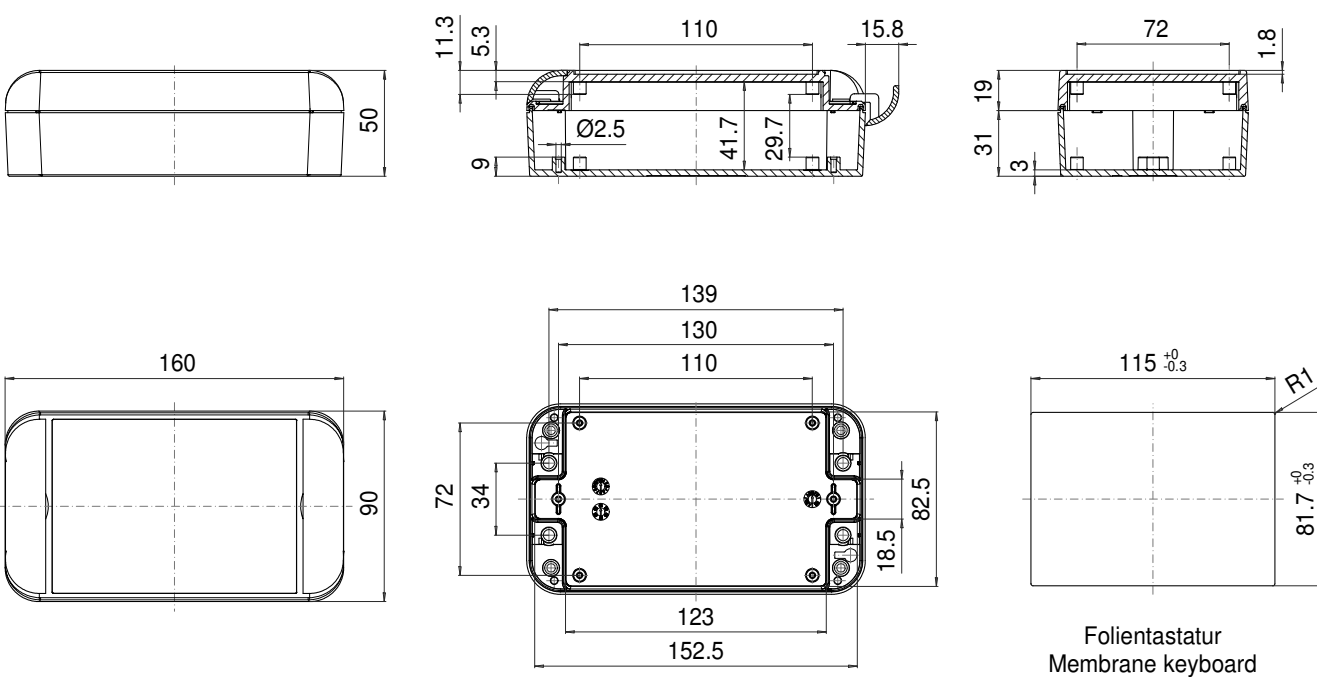
ROLEC Attachment and mounting dimensions

starCASE

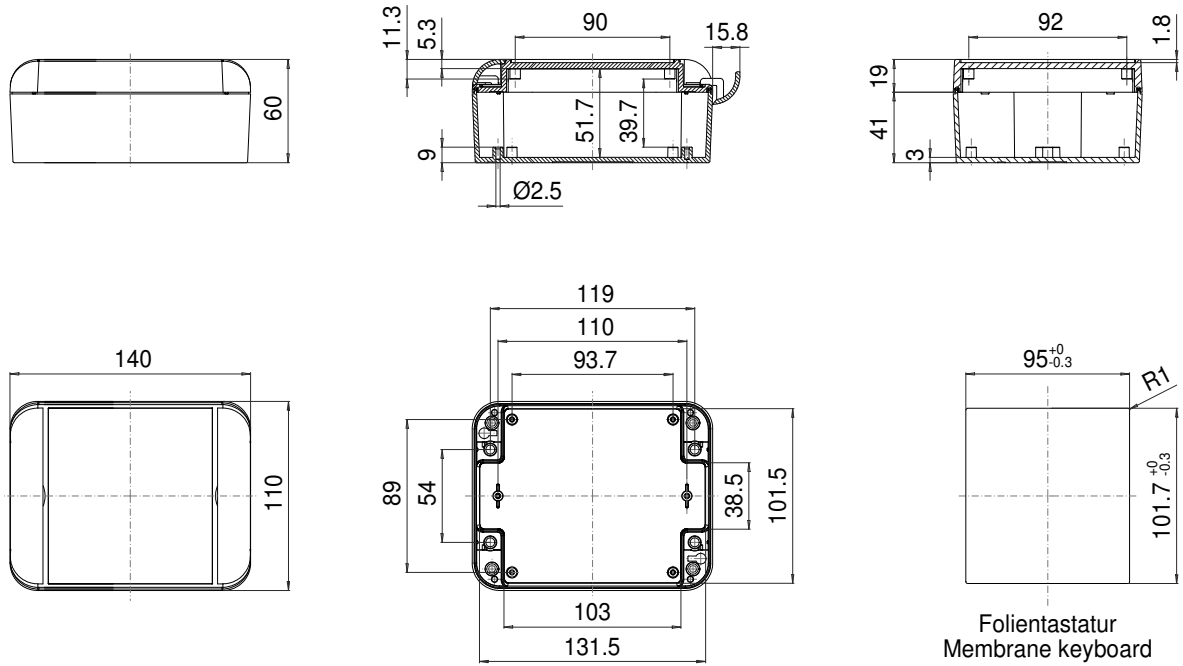
SC 090



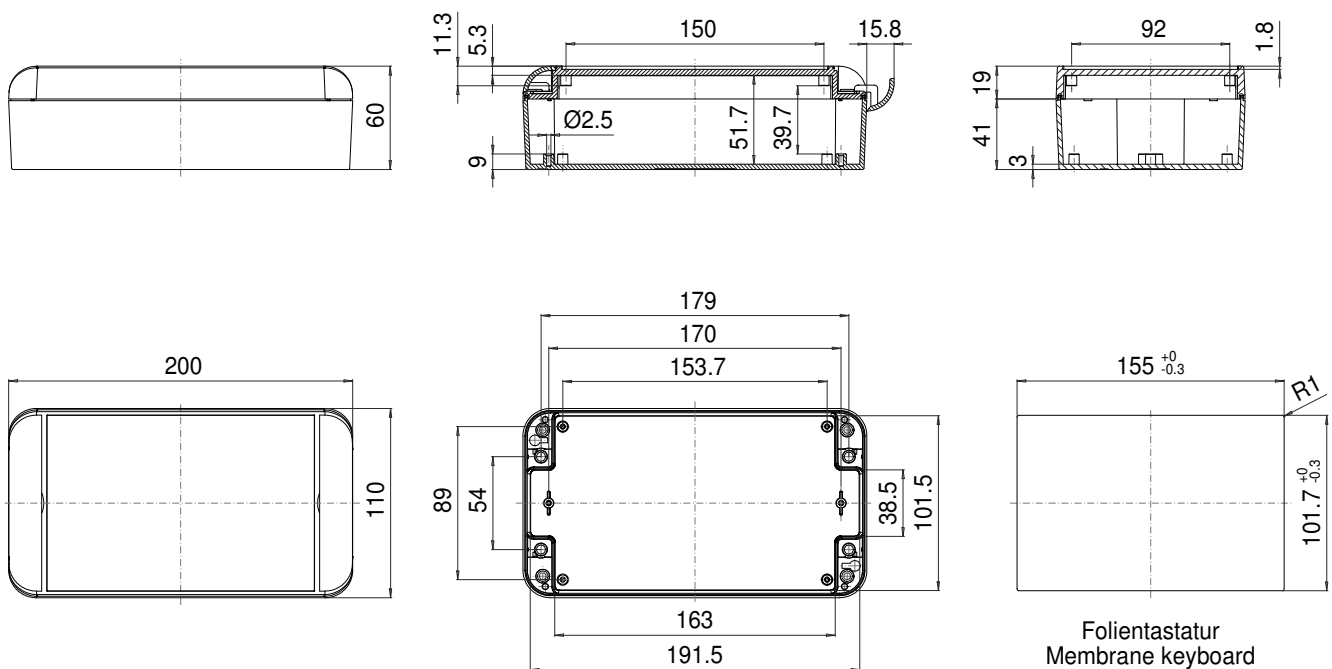
SC 092



SC 110



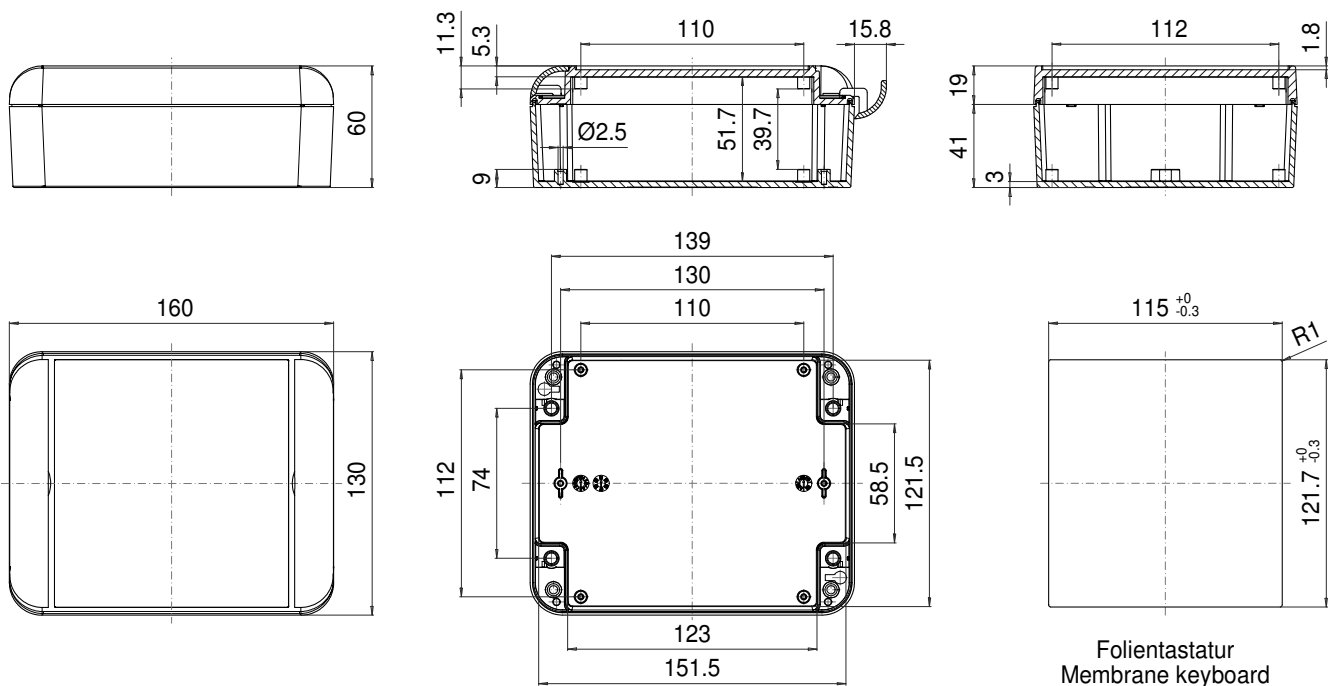
SC 112



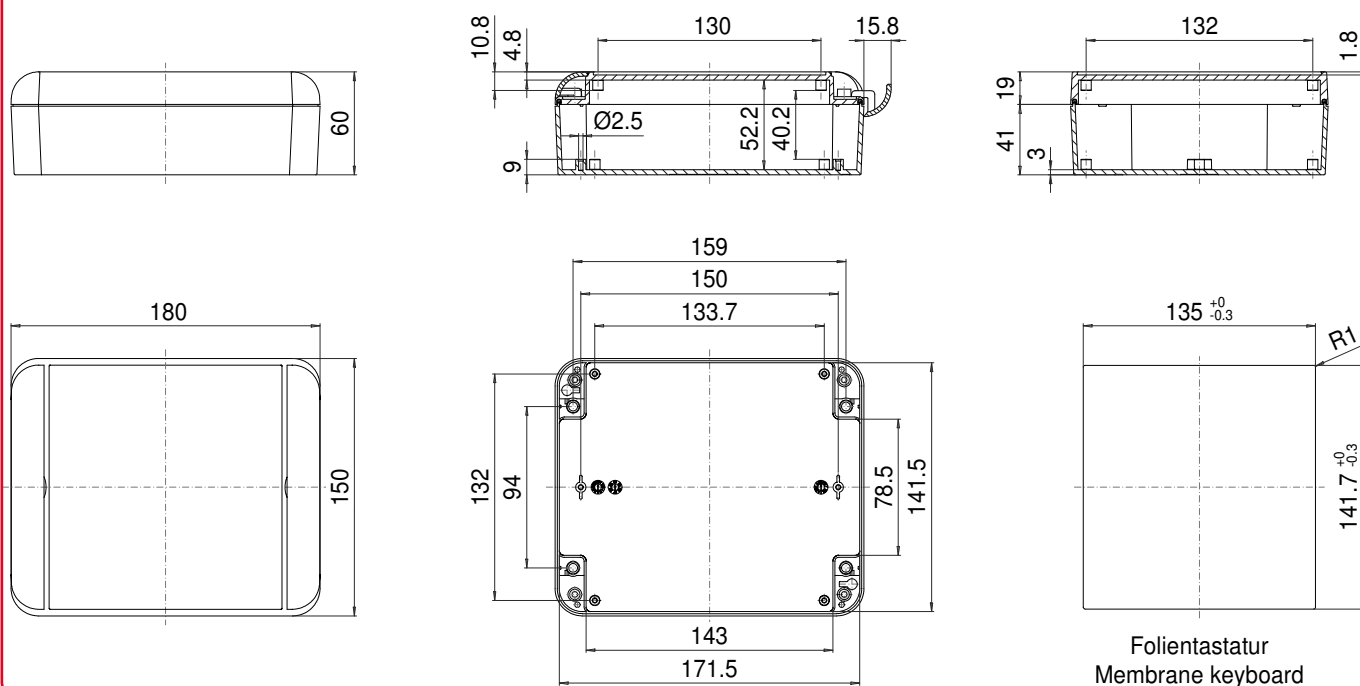
ROLEC Attachment and mounting dimensions

starCASE

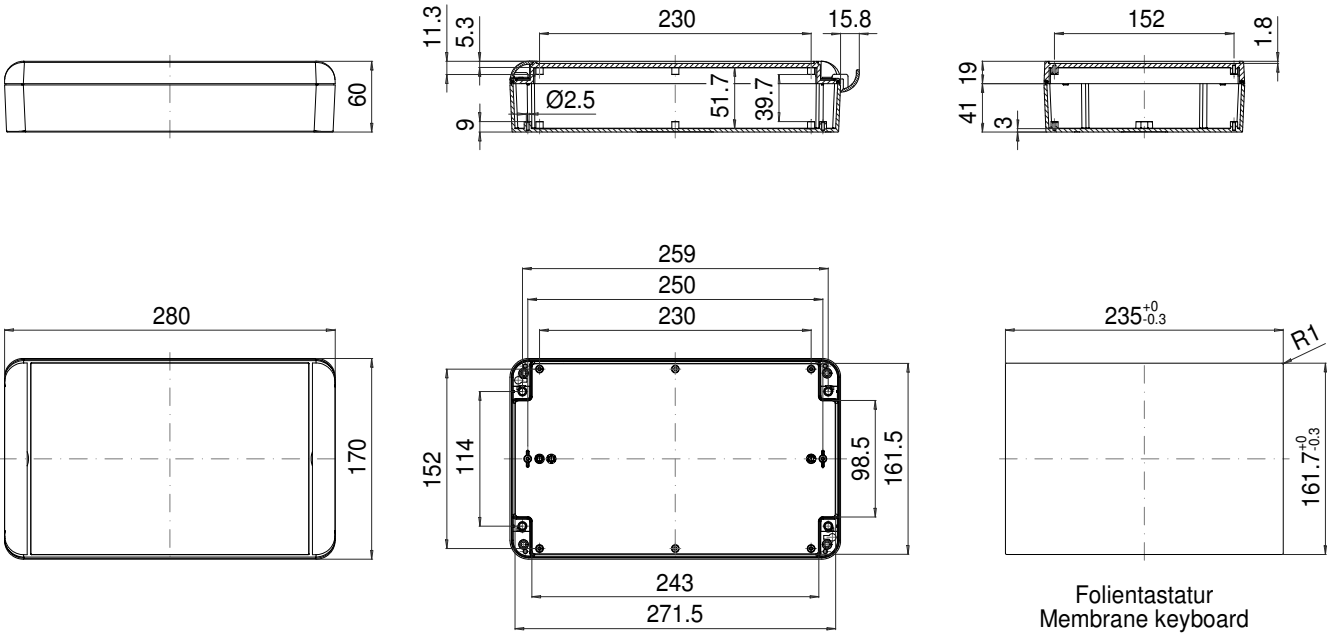
SC 130



SC150



SC 172



Folientastatur
Membrane keyboard



Our *passion* is enclosures.



technoCASE

Multi-variable enclosures made of ABS

Technical data

technoCASE



Enclosure: Thermoplastic ABS, halogen-free. 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Flammability: UL 94 HB

Integrated recess: In the cover for membrane keypad or front plates

Components: Fastening dome for self-tapping screws in the lower and upper section.

Ingress protection: IP66 / EN 60529

Gasket: Silicon moulded gasket (-40°C to +120°C)

Lid screws: Stainless steel 1.4567 (V2A), captive

Design covers: Latching, thermoplastic ABS, halogen-free in RAL 7035, light grey.

Surface: RAL 7035, light grey

Optionally available:

Internal hinges: Polypropylene (PP)

Gasket: EMC gasket (-55°C to +160°C)

EMC screen: Aluminium coating 2.5µm

Surface: Special material on request

Further options, see delivery overview.

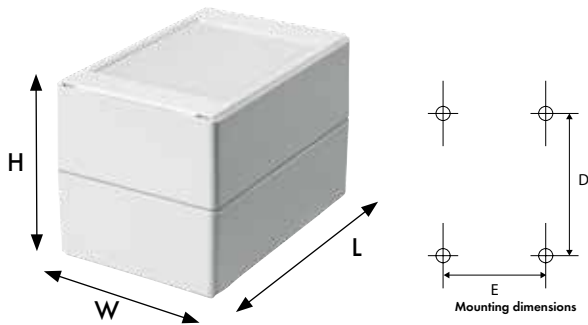


Delivery overview technoCASE

Type	Mat. no.	L	W	H	D	E	g	M	T	F	L	IS	S	C	P	A	SF	TF
TA 080	201.080.000	80	80	80	66	66	192	●	●	●	●	●	●	●	●	●	●	●
TA 082	201.082.000	120	80	80	106	66	240	●	●	●	●	●	●	●	●	●	●	●
TA 084	201.084.000	160	80	80	146	66	286	●	●	●	●	●	●	●	●	●	●	●
TA 086	201.086.000	240	80	80	226	66	386	●	●	●	●	●	●	●	●	●	●	●
TA 120	201.120.000	120	120	90	106	106	348	●	●	●	●	●	●	●	●	●	●	●
TA 122	201.122.000	200	120	90	186	106	484	●	●	●	●	●	●	●	●	●	●	●
TA 124	201.124.000	240	120	90	226	106	530	●	●	●	●	●	●	●	●	●	●	●
TA 160	201.160.000	160	160	90	146	146	474	●	●	●	●	●	●	●	●	●	●	●
TA 162	201.162.000	240	160	90	226	146	620	●	●	●	●	●	●	●	●	●	●	●
TAH 162	202.162.000	240	160	120	226	146	795	●	●	●	●	●	●	●	●	●	●	●
TA 202	201.202.000	300	200	120	286	186	1.120	●	●	●	●	○	●	○	●	●	○	●
TAH 202	202.202.000	300	200	160	286	186	1.290	●	●	●	●	○	●	○	●	●	○	●
TA 242	201.242.000	360	240	120	346	226	1.500	●	●	●	●	○	●	○	●	●	○	●
TAH 242	202.242.000	360	240	160	346	226	1.730	●	●	●	●	○	●	○	●	●	○	●
TAF 080	200.080.000	80	80	60	66	66	156	●	●	●	●	●	●	●	●	●	●	●
TAF 082	200.082.000	120	80	60	106	66	196	●	●	●	●	●	●	●	●	●	●	●
TAF 084	200.084.000	160	80	60	146	66	234	●	●	●	●	●	●	●	●	●	●	●
TAF 086	200.086.000	240	80	60	226	66	320	●	●	●	●	●	●	●	●	●	●	●
TAF 120	200.120.000	120	120	60	106	106	272	●	●	●	●	●	●	●	●	●	●	●
TAF 122	200.122.000	200	120	60	186	106	398	●	●	●	●	●	●	●	●	●	●	●
TAF 124	200.124.000	240	120	60	226	106	434	●	●	●	●	●	●	●	●	●	●	●
TAF 160	200.160.000	160	160	60	146	146	394	●	●	●	●	●	●	●	●	●	●	●
TAF 162	200.162.000	240	160	60	226	146	534	●	●	●	●	●	●	●	●	●	●	●
TAF 202	200.202.000	300	200	80	286	186	950	●	●	●	●	○	●	○	●	●	○	●
TAF 242	200.242.000	360	240	80	346	226	1.270	●	●	●	●	○	●	○	●	●	○	●

□ Standard ● Available ○ Not available

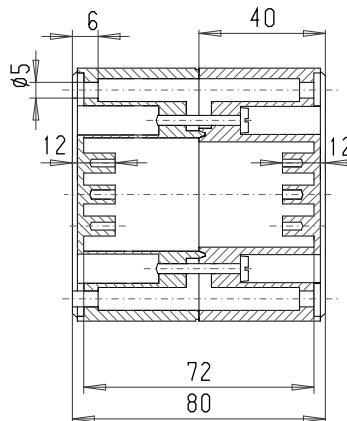
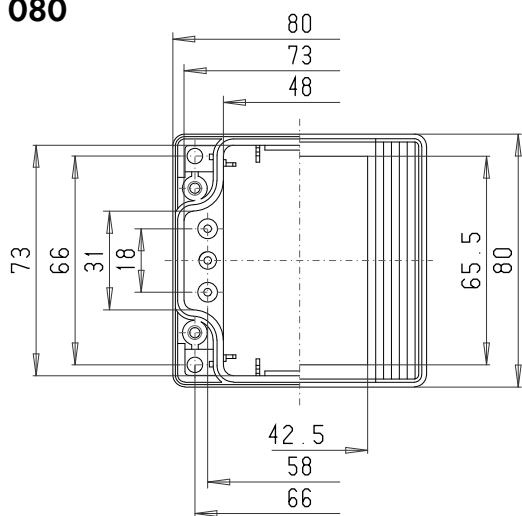
Approvals:



ROLEC Attachment and mounting dimensions

technoCASE

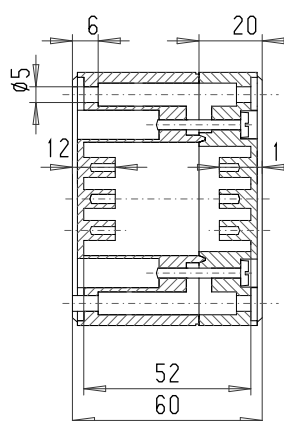
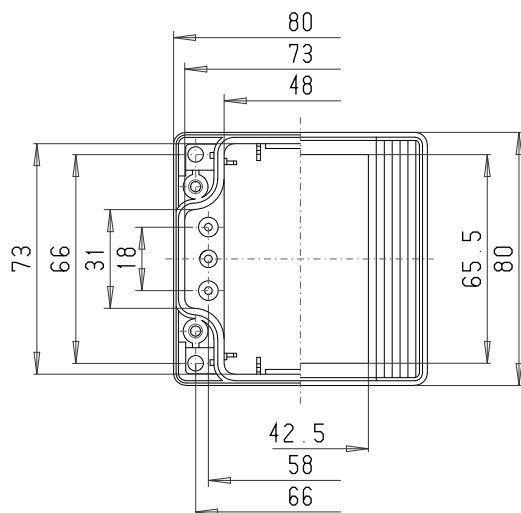
TA 080



Maximum number of cable glands per enclosure side

C	A		A/B	C/D
	B	D		
			PG 7	4 2
M 16			PG 9	3 1
			PG 11	2 1
M 20			PG 13,5	2 1
			PG 16	1 1
M 25			PG 21	1
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

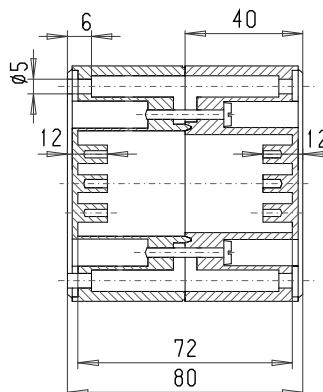
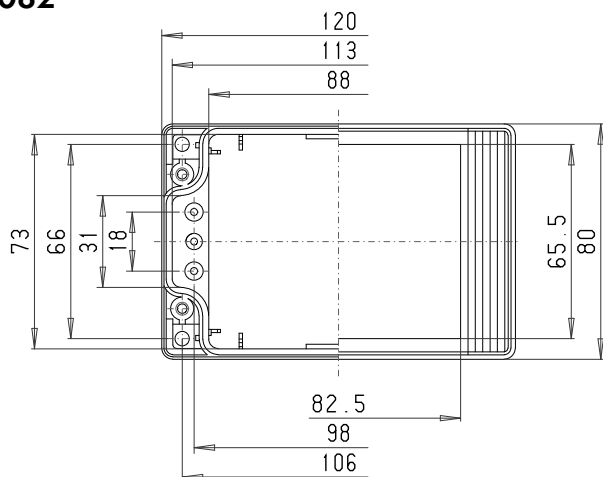
TAF 080



Maximum number of cable glands per enclosure side

C	A		A/B	C/D
	B	D		
			PG 7	4 2
M 16			PG 9	3 1
			PG 11	2 1
M 20			PG 13,5	2 1
			PG 16	1 1
M 25			PG 21	1
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

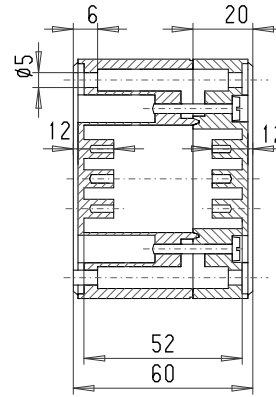
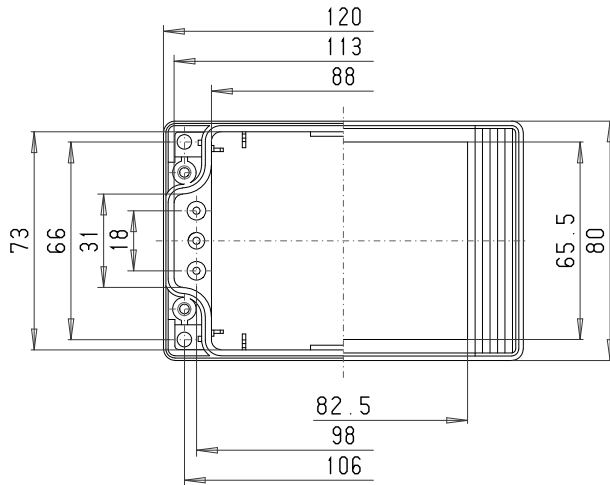
TA 082



Maximum number of cable glands per enclosure side

C	A		A/B	C/D
	B	D		
			PG 7	10 2
M 16			PG 9	6 1
			PG 11	3 1
M 20			PG 13,5	3 1
			PG 16	3 1
M 25			PG 21	2
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

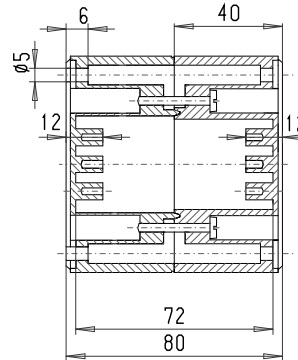
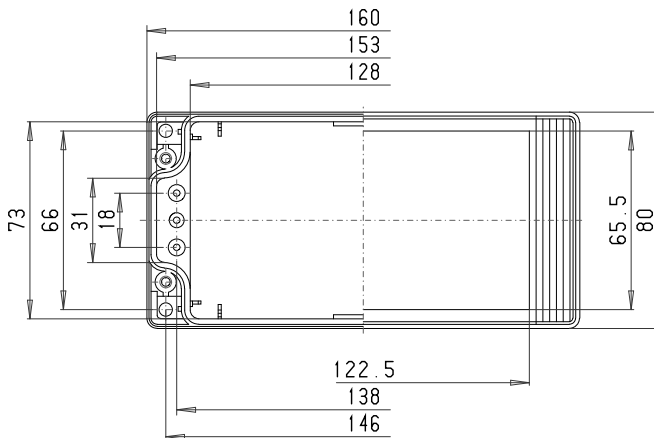
TAF 082



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	10 2
M 16			PG 9	6 1
			PG 11	3 1
M 20			PG 13,5	3 1
			PG 16	3 1
M 25			PG 21	2
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

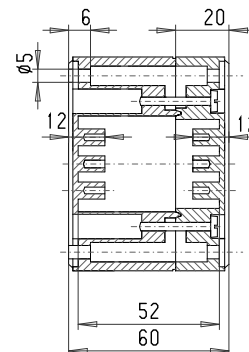
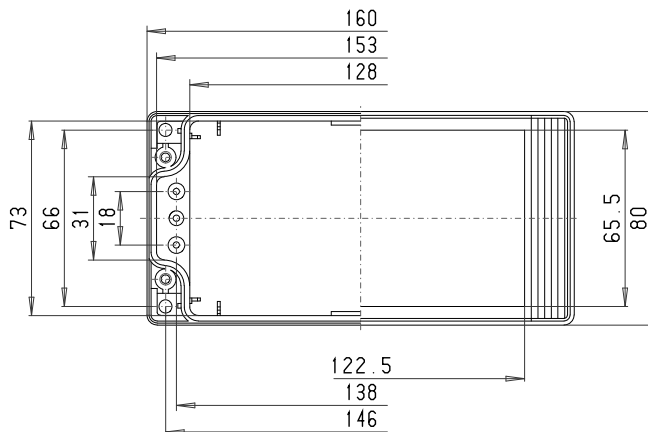
TA 084



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	14 2
M 16			PG 9	9 1
			PG 11	5 1
M 20			PG 13,5	4 1
			PG 16	4 1
M 25			PG 21	3
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

TAF 084



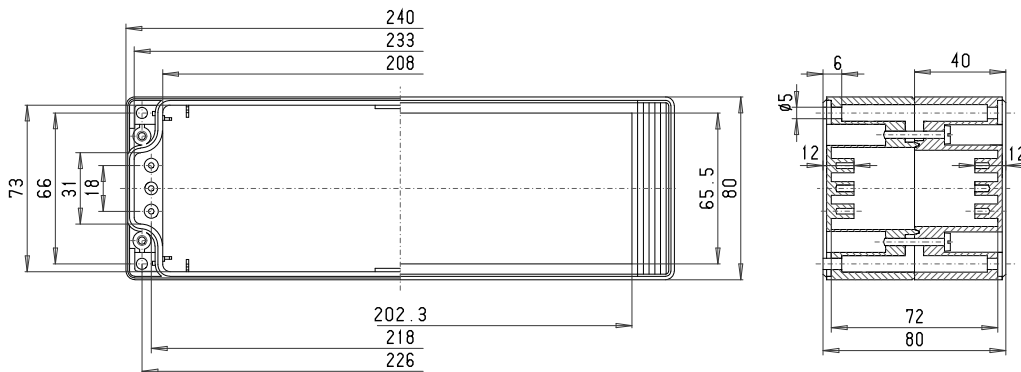
Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	14 2
M 16			PG 9	9 1
			PG 11	5 1
M 20			PG 13,5	4 1
			PG 16	4 1
M 25			PG 21	3
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

ROLEC Attachment and mounting dimensions

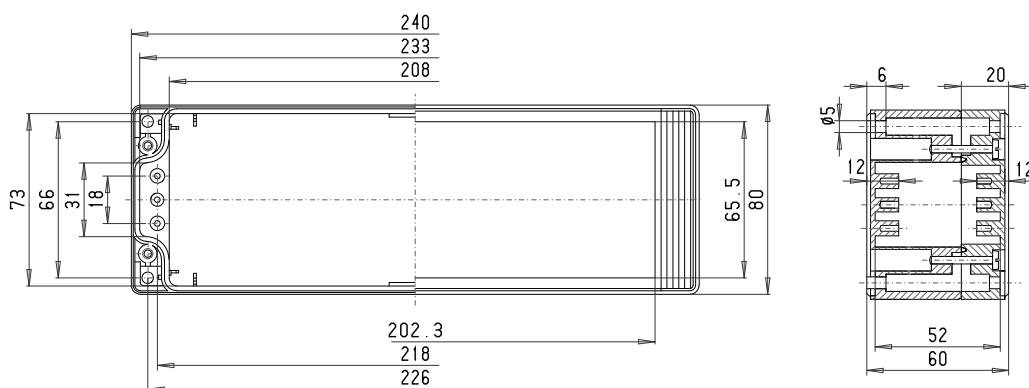
technoCASE

TA 086



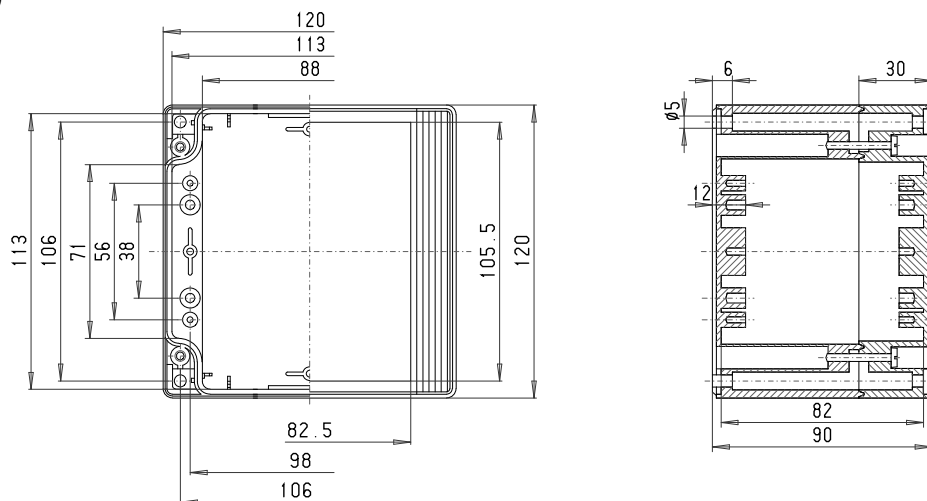
Maximum number of cable glands per enclosure side				
C	A		A/B	C/D
	B	D		
			PG 7	22 2
M 16			PG 9	15 1
			PG 11	8 1
M 20			PG 13,5	7 1
			PG 16	6 1
M 25			PG 21	5
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

TAF 086



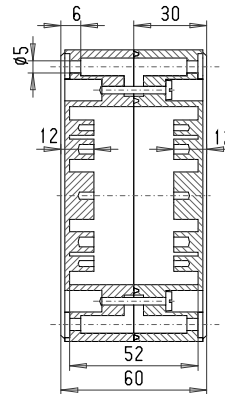
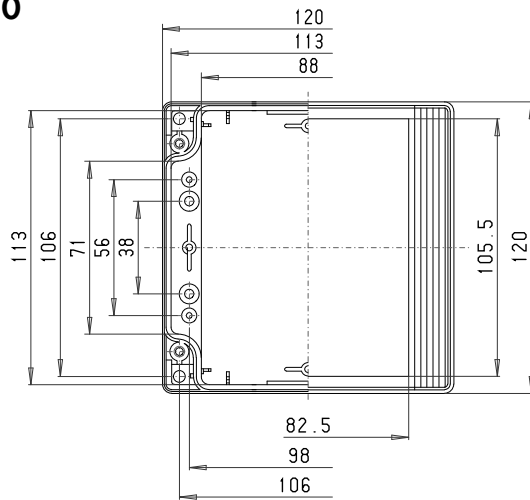
Maximum number of cable glands per enclosure side				
C	A		A/B	C/D
	B	D		
			PG 7	22 2
M 16			PG 9	15 1
			PG 11	8 1
M 20			PG 13,5	7 1
			PG 16	6 1
M 25			PG 21	5
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

TA 120



Maximum number of cable glands per enclosure side				
C	A		A/B	C/D
	B	D		
			PG 7	12 11
M 16			PG 9	8 6
			PG 11	6 4
M 20			PG 13,5	5 3
			PG 16	4 3
M 25			PG 21	2 2
M 32			PG 29	2 1
M 40			PG 36	1 1
M 50			PG 42	
M 63			PG 48	

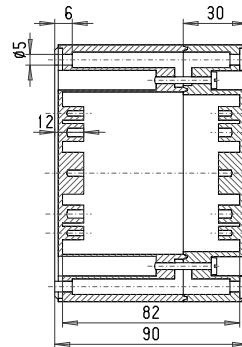
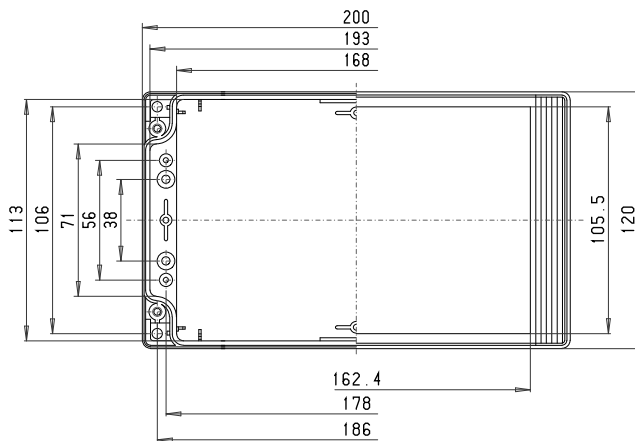
TAF 120



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
		PG 7	5 4
M 16		PG 9	4 3
		PG 11	2
M 20		PG 13,5	2
		PG 16	2
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

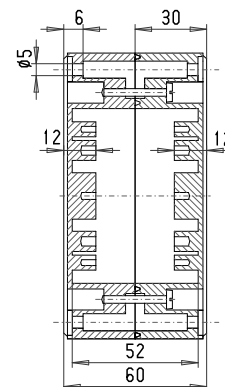
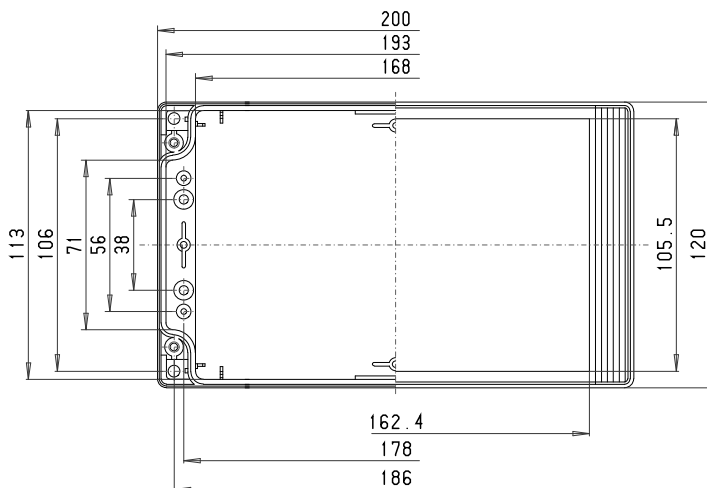
TA 122



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
		PG 7	26 11
M 16		PG 9	16 6
		PG 11	12 4
M 20		PG 13,5	12 3
		PG 16	9 3
M 25		PG 21	4 2
M 32		PG 29	3 1
M 40		PG 36	2 1
M 50		PG 42	
M 63		PG 48	

TAF 122



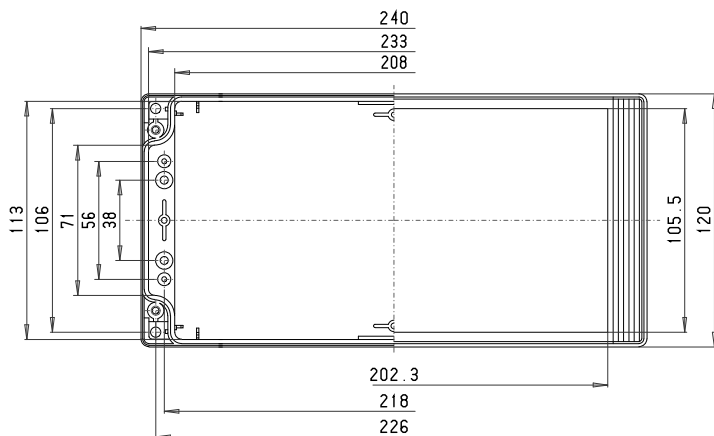
Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D		
		PG 7	11 4
M 16		PG 9	7 3
		PG 11	5
M 20		PG 13,5	4
		PG 16	4
M 25		PG 21	
M 32		PG 29	
M 40		PG 36	
M 50		PG 42	
M 63		PG 48	

ROLEC Attachment and mounting dimensions

technoCASE

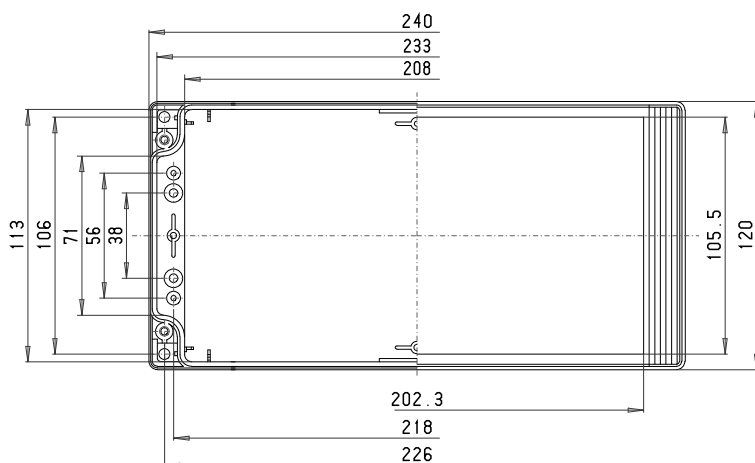
TA 124



Maximum number of cable glands per enclosure side

C	A		A/B	C/D
	B	D		
			PG 7	32 11
M 16			PG 9	22 6
			PG 11	16 4
M 20			PG 13,5	13 3
			PG 16	12 3
M 25			PG 21	5 2
M 32			PG 29	4 1
M 40			PG 36	2 1
M 50			PG 42	
M 63			PG 48	

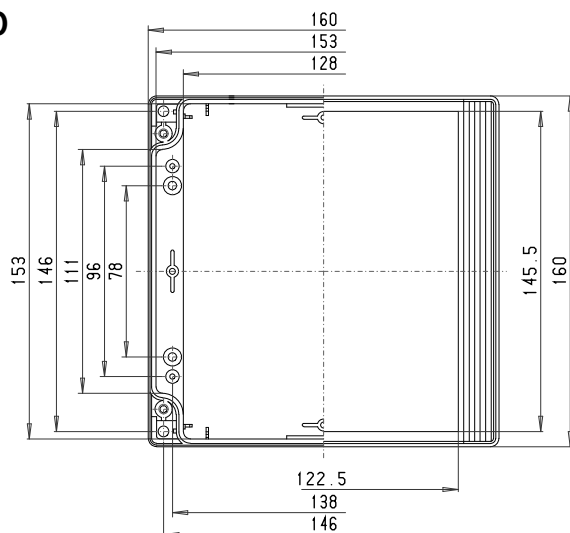
TAF 124



Maximum number of cable glands per enclosure side

C	A		A/B	C/D
	B	D		
			PG 7	14 4
M 16			PG 9	9 3
			PG 11	6
M 20			PG 13,5	6
			PG 16	6
M 25			PG 21	
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

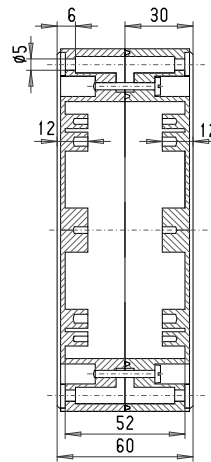
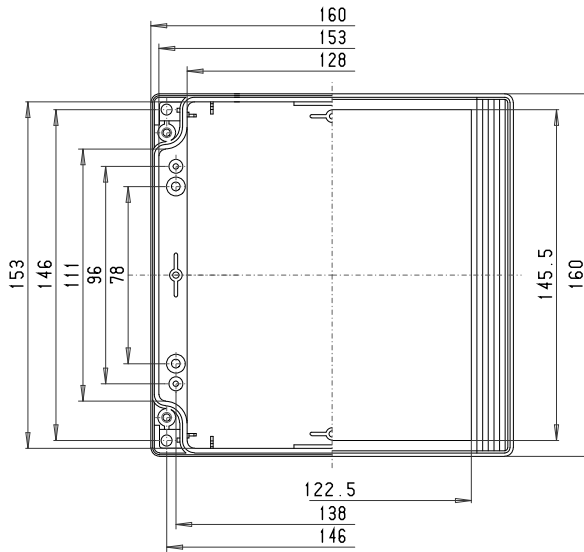
TA 160



Maximum number of cable glands per enclosure side

C	A		A/B	C/D
	B	D		
			PG 7	20 17
M 16			PG 9	13 10
			PG 11	10 8
M 20			PG 13,5	8 5
			PG 16	8 5
M 25			PG 21	3 3
M 32			PG 29	2 2
M 40			PG 36	2 1
M 50			PG 42	
M 63			PG 48	

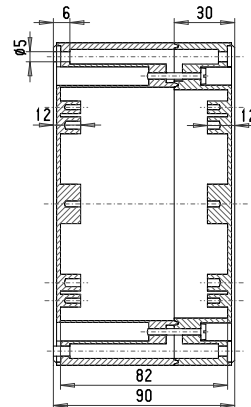
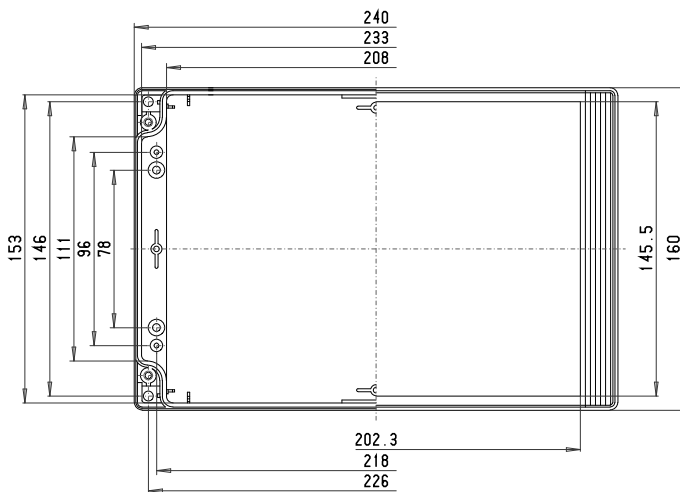
TAF 160



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	8 6
M 16			PG 9	6 5
			PG 11	4 4
M 20			PG 13,5	4 2
			PG 16	4 2
M 25			PG 21	
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

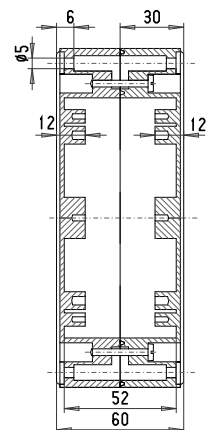
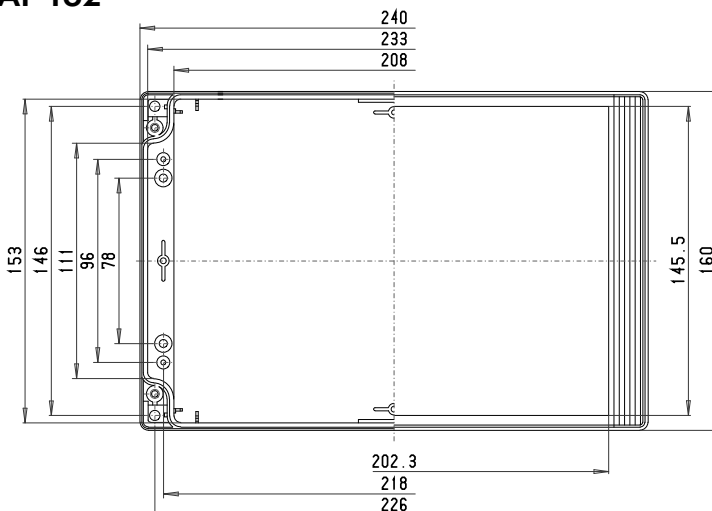
TA 162



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	32 17
M 16			PG 9	19 10
			PG 11	16 8
M 20			PG 13,5	13 5
			PG 16	12 5
M 25			PG 21	5 3
M 32			PG 29	4 2
M 40			PG 36	2 1
M 50			PG 42	
M 63			PG 48	

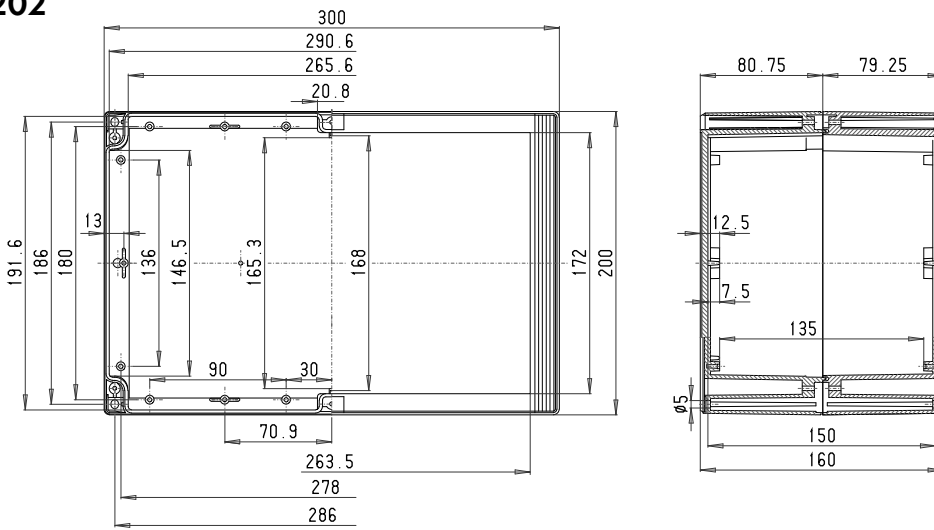
TAF 162



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	14 6
M 16			PG 9	9 5
			PG 11	8 4
M 20			PG 13,5	6 2
			PG 16	6 2
M 25			PG 21	
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

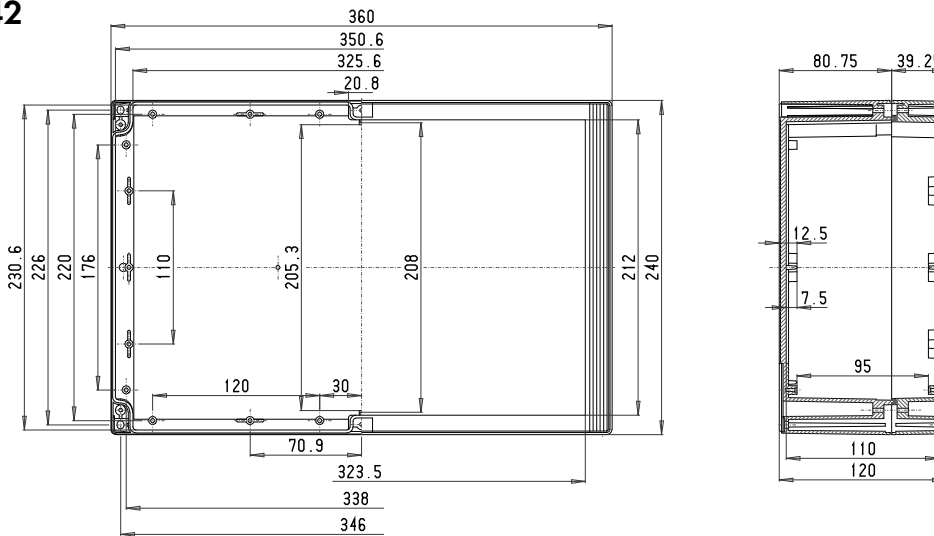
TAH 202



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	50 30
M 16			PG 9	33 21
			PG 11	27 12
M 20			PG 13,5	21 11
			PG 16	15 9
M 25			PG 21	6 3
M 32			PG 29	4 2
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

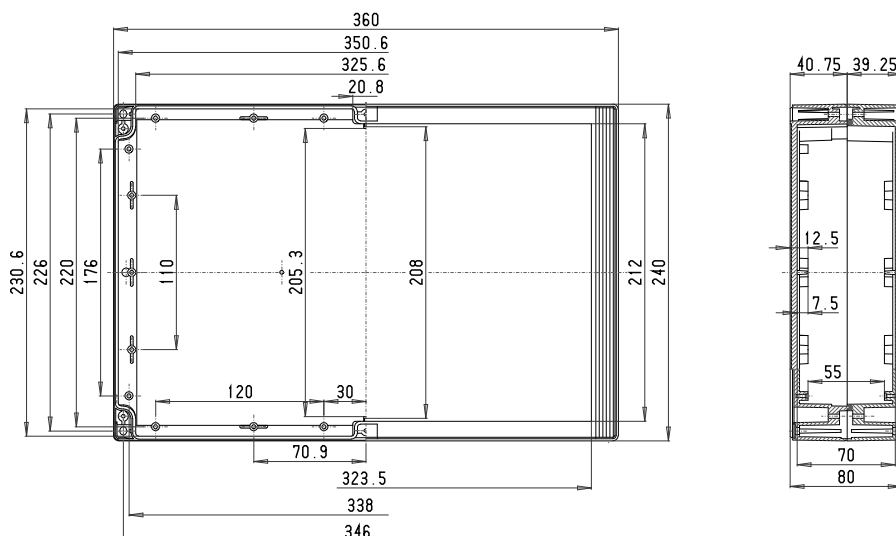
TA 242



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	62 38
M 16			PG 9	45 24
			PG 11	35 17
M 20			PG 13,5	27 14
			PG 16	18 12
M 25			PG 21	16 7
M 32			PG 29	8 4
M 40			PG 36	5 3
M 50			PG 42	
M 63			PG 48	

TAF 242



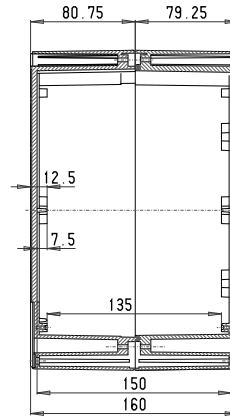
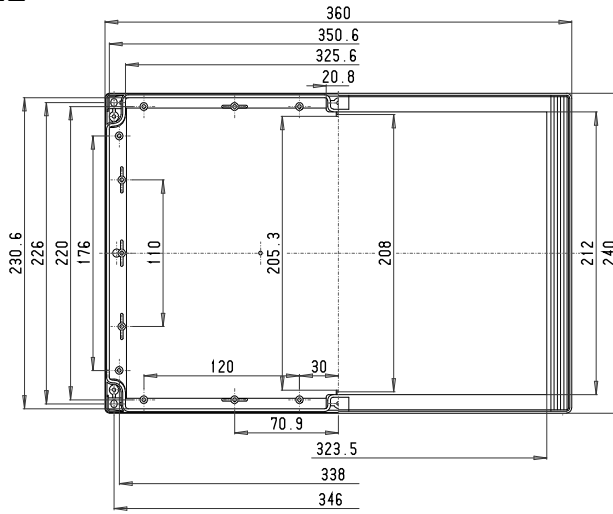
Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	25 15
M 16			PG 9	15 9
			PG 11	11 7
M 20			PG 13,5	11 6
			PG 16	9 5
M 25			PG 21	8 4
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

ROLEC Attachment and mounting dimensions

technoCASE

TAH 242



Maximum number of cable glands per enclosure side			
A		A/B	C/D
C	D	PG 7	62 38
M 16	B	PG 9	45 24
		PG 11	35 17
M 20		PG 13,5	27 14
		PG 16	18 12
M 25		PG 21	16 7
M 32		PG 29	8 4
M 40		PG 36	5 3
M 50		PG 42	
M 63		PG 48	



Our *passion* is enclosures.



technoBOX

Standard enclosures made of ABS

Technical data

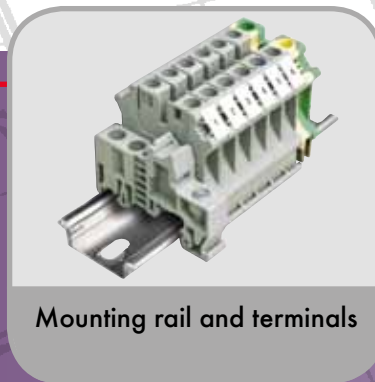
technoBOX



External hinges



Fancy external mounting feet,
90° rotating



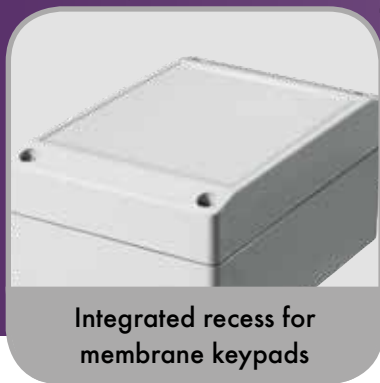
Mounting rail and terminals



Alternative design due to
slanted lid edges



Mounting plate



Integrated recess for
membrane keypads



Front plate

Enclosure: Thermoplastic ABS, halogen-free, 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Flammability: UL 94 HB

Integrated recess: In the lid for membrane keypad or front plates

Components: Fastening dome for self-tapping screws in the lower and upper section.

Ingress protection: IP66 / EN 60529

Gasket: Chloroprene (CR), gasket (-30°C to +90°C)

Lid screws: Stainless steel 1.4567 (V2A), captive

Surface: RAL 7035, light grey

Optionally available:

Gasket: EMC gasket (-55°C to +160°C)

EMC screen: Aluminium coating 2.5µm

Surface: Special material on request

Further options, see delivery overview.

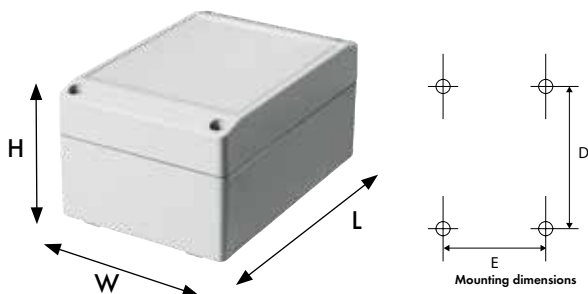
Delivery overview technoBOX

Type	Mat. no.	L	W	H	D	E	g	M*	T	F*	A	S	TF	EMC
TBA 060	220.060.000	66	51	35	53	38	50	○	●	●	●	○	●	●
TBA 080	220.080.000	83	81	60	70	50	170	●	●	●	●	●	●	●
TBA 082	220.082.000	121	81	60	108	50	220	●	●	●	●	●	●	●
TBA 084	220.084.000	161	81	60	148	50	220	●	●	●	●	●	●	●
TBA 102	220.102.000	151	101	60	138	70	230	●	●	●	●	●	●	●
TBA 104	220.104.000	201	101	60	188	70	300	●	●	●	●	●	●	●
TBA 120	220.120.000	123	121	80	110	90	240	●	●	●	●	●	●	●
TBA 122	220.122.000	201	121	80	188	90	400	●	●	●	●	●	●	●
TBA 160	220.160.000	161	161	80	148	130	450	●	●	●	●	●	●	●
TBA 162	220.162.000	241	161	80	228	130	650	●	●	●	●	●	●	●

* On request

□ Standard ● Available ○ Not available

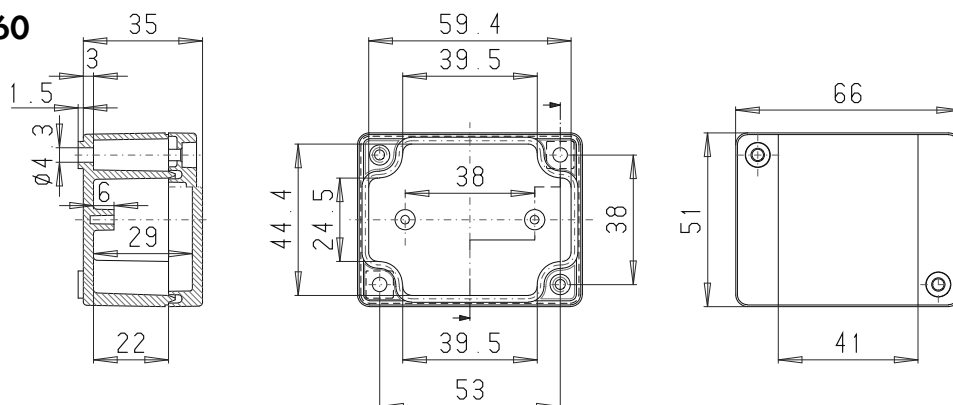
Approvals:



ROLEC Attachment and mounting dimensions

technoBOX

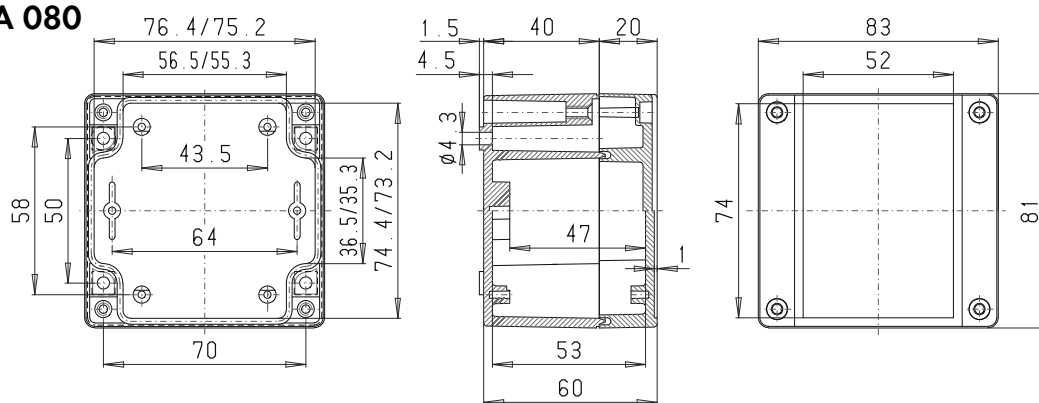
TBA 060



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A/B	C/D
M 16	PG 7	2	1
	PG 9	2	1
	PG 11		
M 20	PG 13,5		
	PG 16		
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

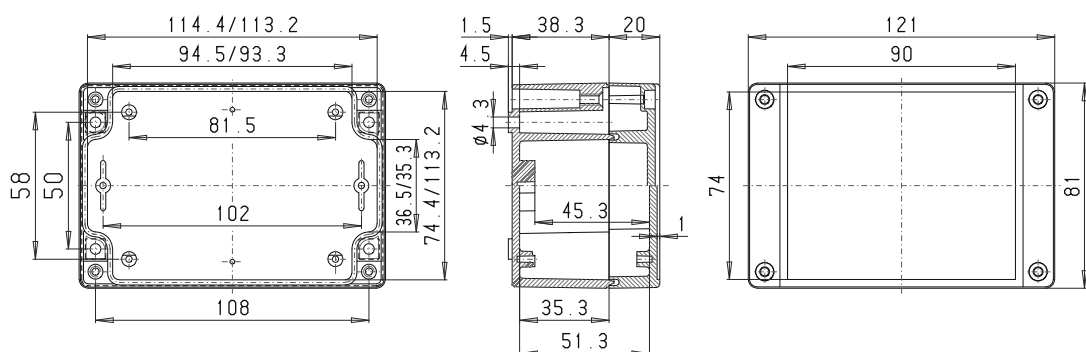
TBA 080



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A/B	C/D
M 16	PG 7	4	2
	PG 9	3	1
	PG 11	2	1
M 20	PG 13,5	2	1
	PG 16	2	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

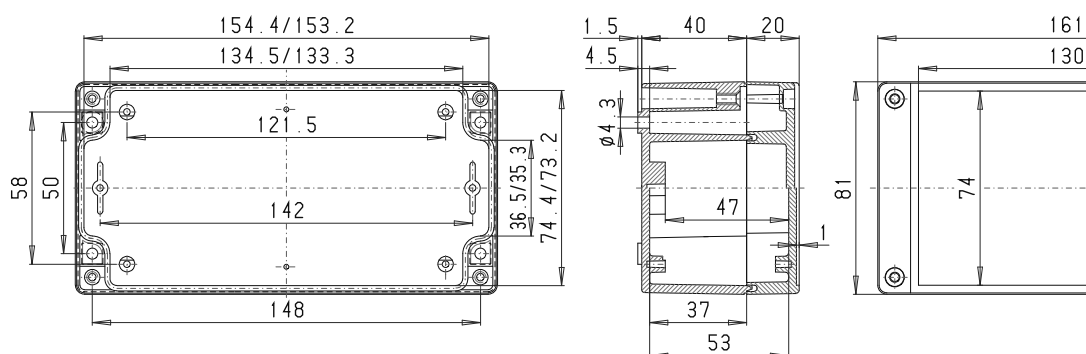
TBA 082



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A/B	C/D
M 16	PG 7	8	3
	PG 9	5	2
	PG 11	4	1
M 20	PG 13,5	3	1
	PG 16	3	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

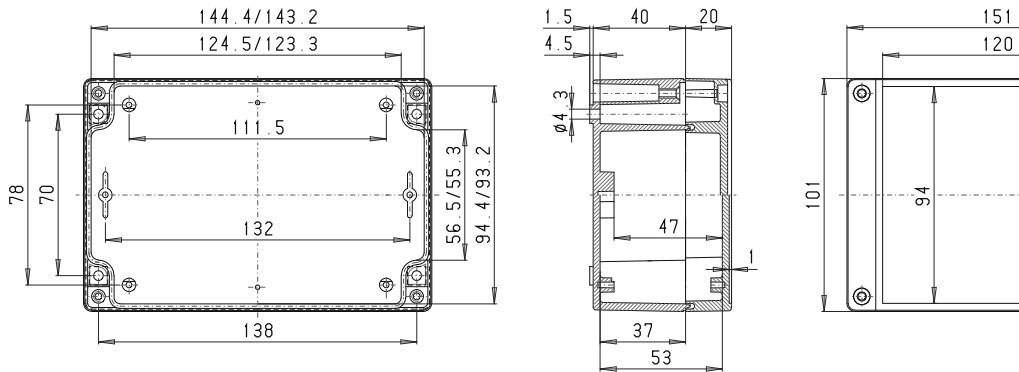
TBA 084



Maximum number of cable glands per enclosure side

A		A/B/C/D	
C	D	A/B	C/D
M 16	PG 7	13	3
	PG 9	8	2
	PG 11	6	1
M 20	PG 13,5	5	1
	PG 16	4	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

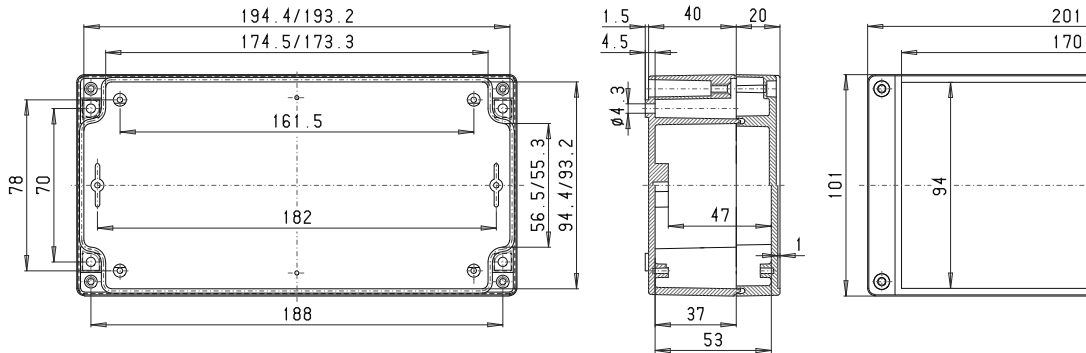
TBA 102



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	16 6
M 16			PG 9	8 4
			PG 11	7 3
M 20			PG 13,5	5 2
			PG 16	3 1
M 25			PG 21	3 1
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

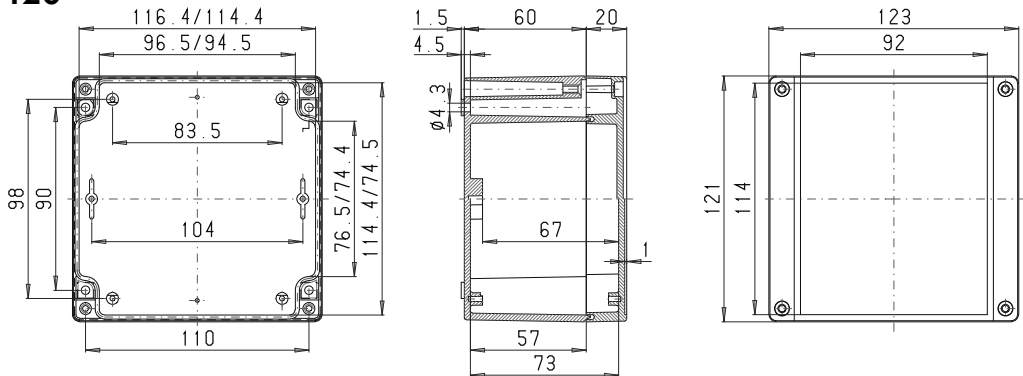
TBA 104



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	23 6
M 16			PG 9	12 4
			PG 11	9 3
M 20			PG 13,5	7 2
			PG 16	5 1
M 25			PG 21	4 1
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

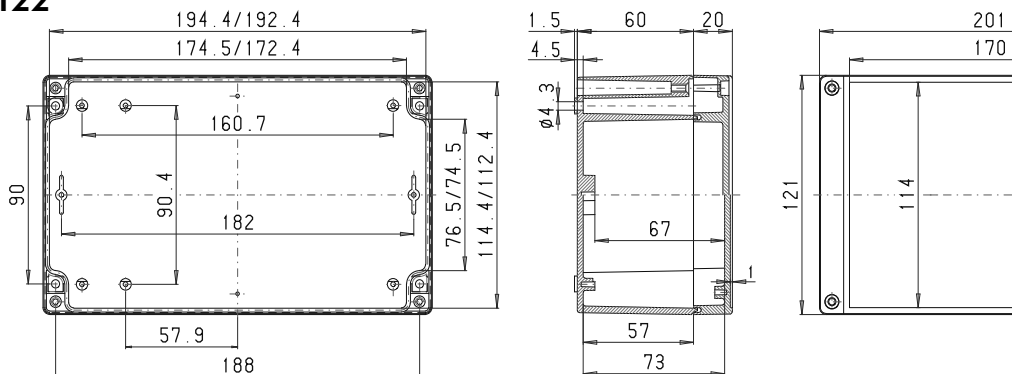
TBA 120



Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	15 12
M 16			PG 9	10 9
			PG 11	8 6
M 20			PG 13,5	6 6
			PG 16	6 4
M 25			PG 21	4 3
M 32			PG 29	2 1
M 40			PG 36	1 1
M 50			PG 42	
M 63			PG 48	

TBA 122



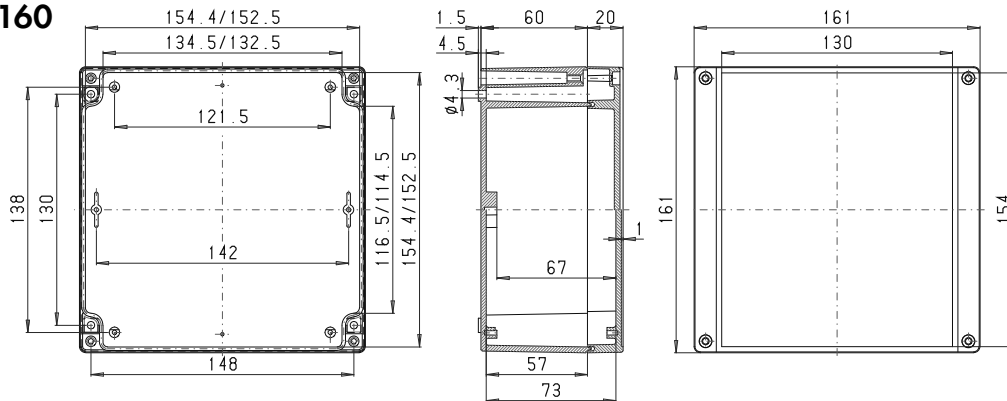
Maximum number of cable glands per enclosure side

C	A		A/B/C/D	
	B	D		
			PG 7	20 8
M 16			PG 9	16 6
			PG 11	12 4
M 20			PG 13,5	12 4
			PG 16	7 3
M 25			PG 21	4 2
M 32			PG 29	3 1
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

ROLEC Attachment and mounting dimensions

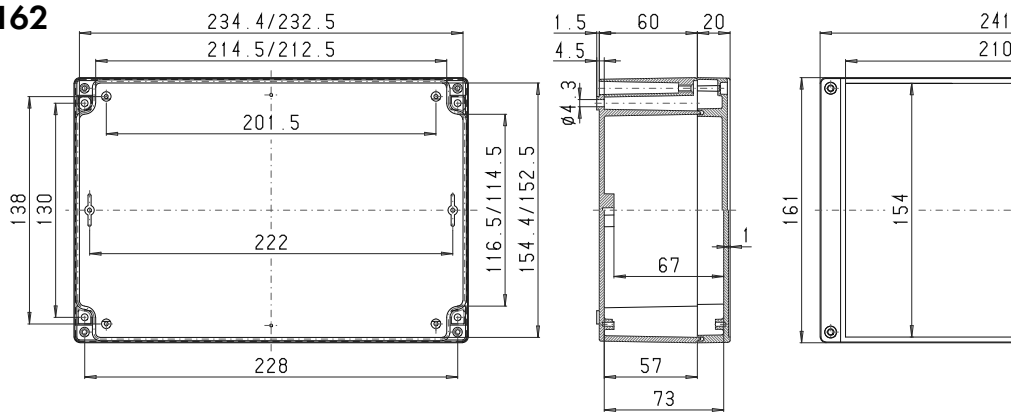
technoBOX

TBA 160



Maximum number of cable glands per enclosure side			
C	A	A/B C/D	
	B	PG 7	18
M 16	PG 9	10	8
	PG 11	8	7
M 20	PG 13,5	6	5
	PG 16	4	4
M 25	PG 21	3	3
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

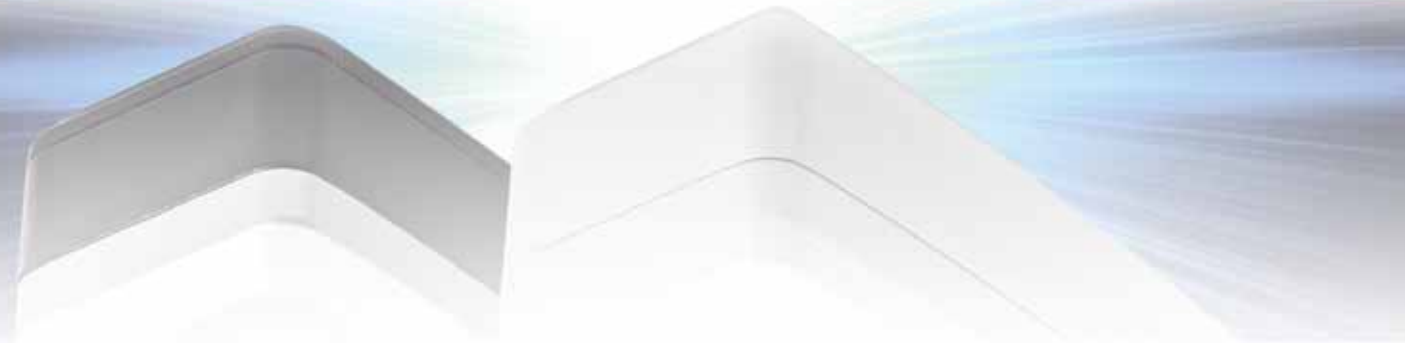
TBA 162



Maximum number of cable glands per enclosure side			
C	A	A/B C/D	
	B	PG 7	30
M 16	PG 9	24	8
	PG 11	16	7
M 20	PG 13,5	16	5
	PG 16	12	4
M 25	PG 21	6	3
M 32	PG 29	4	
M 40	PG 36	2	
M 50	PG 42	2	
M 63	PG 48		



Our *passion* is enclosures.



handCASE

Mobile handheld enclosures made of aluminium

Technical data

handCASE



Enclosure: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Integrated recess: In the lid for membrane keypad or front plates

Components: Fastening thread M3 in the lid and bottom

Ingress Protection: IP66 / EN 60529 - free-fall / DIN EN 60068-2-32

Gasket: TPE moulded gasket, silicone-free (-40°C to +120°C)

Captive screws: Stainless steel 1.4567 (V2A), captive

Battery compartment: ABS, RAL 9005, deep black (-10°C to +50°C)

handCASE surface: Lid: Power coating, silver metallic, bottom: RAL 9005, deep black

handCASE R surface: Powder coating RAL 7035, light grey

Optionally available:

Gasket: EMC gasket (-55°C to +160°C)
Silicone gasket (-50°C to +140°C)

Ingress Protection: IP67 / EN 60529

Surface: Corrosion protection, special colours

Further options, see delivery overview.

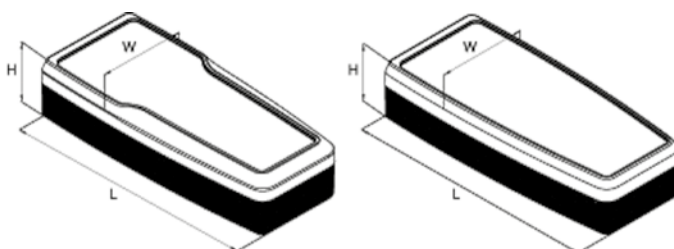
Delivery overview handCASE					
Type	Mat. no.	L	W	H	g
HCF 080	270.080.000	180	80	42,5	450
HCF 081	270.081.000	180	80	42,5	430
HCF 100	270.100.000	220	100	42,5	600
HC 100	271.100.000	220	100	62,5	660

HCF 081/HC 100 without battery compartment

Delivery overview handCASE R					
Type	Mat. no.	L	W	H	g
HCF 080 R	272.080.000	180	80	42,5	450
HCF 081 R	272.081.000	180	80	42,5	430
HCF 100 R	272.100.000	220	100	42,5	600
HC 100 R	273.100.000	220	100	62,5	660

HCF 081 R/HC 100 R without battery compartment

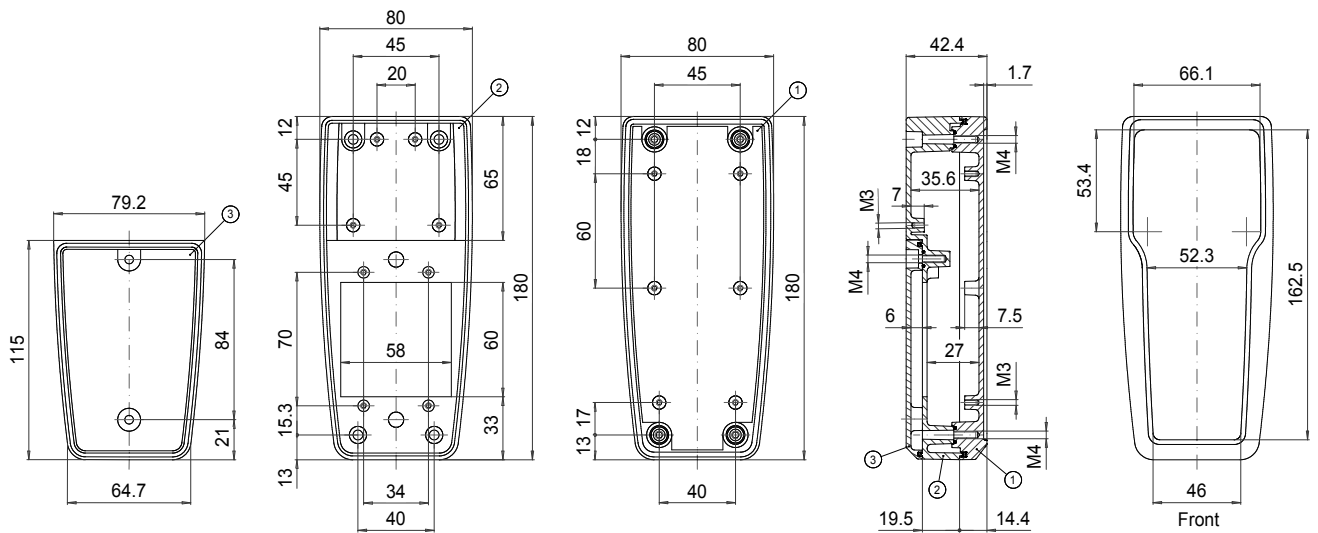
Approvals:



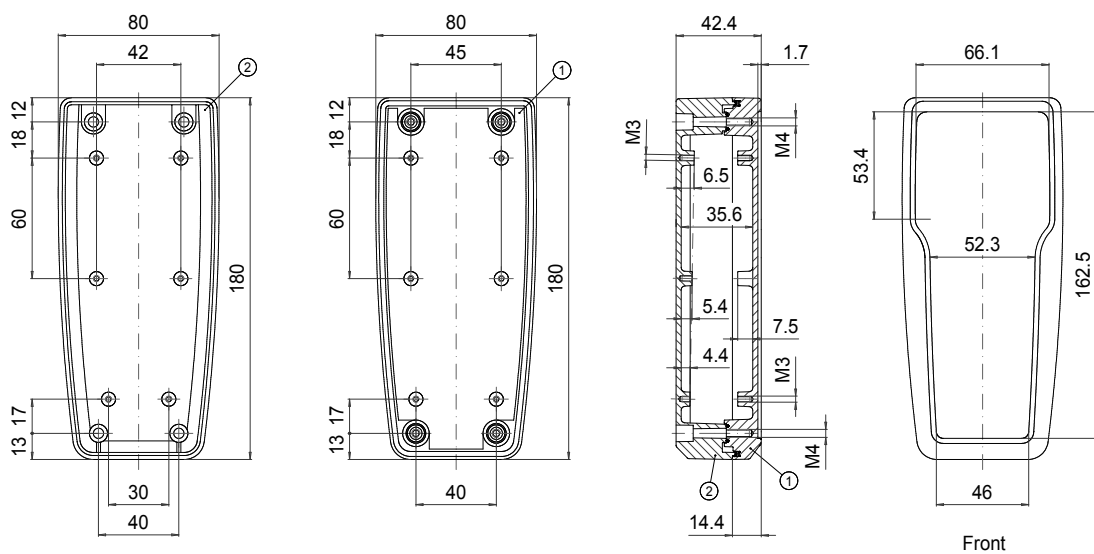
ROLEC Attachment and mounting dimensions

handCASE

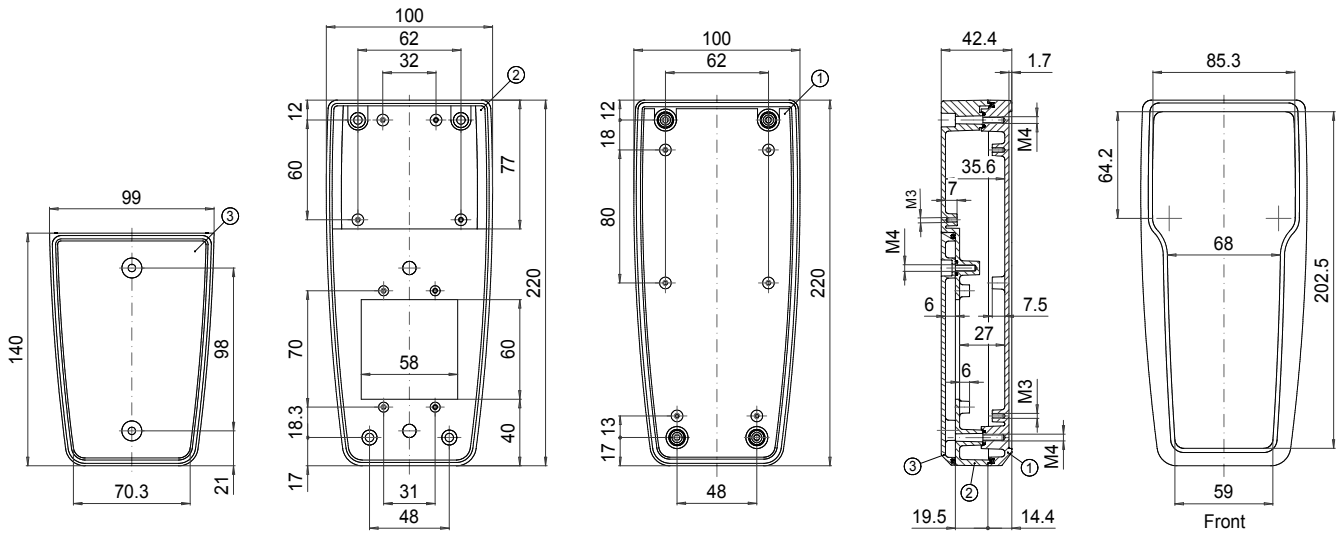
HCF 080



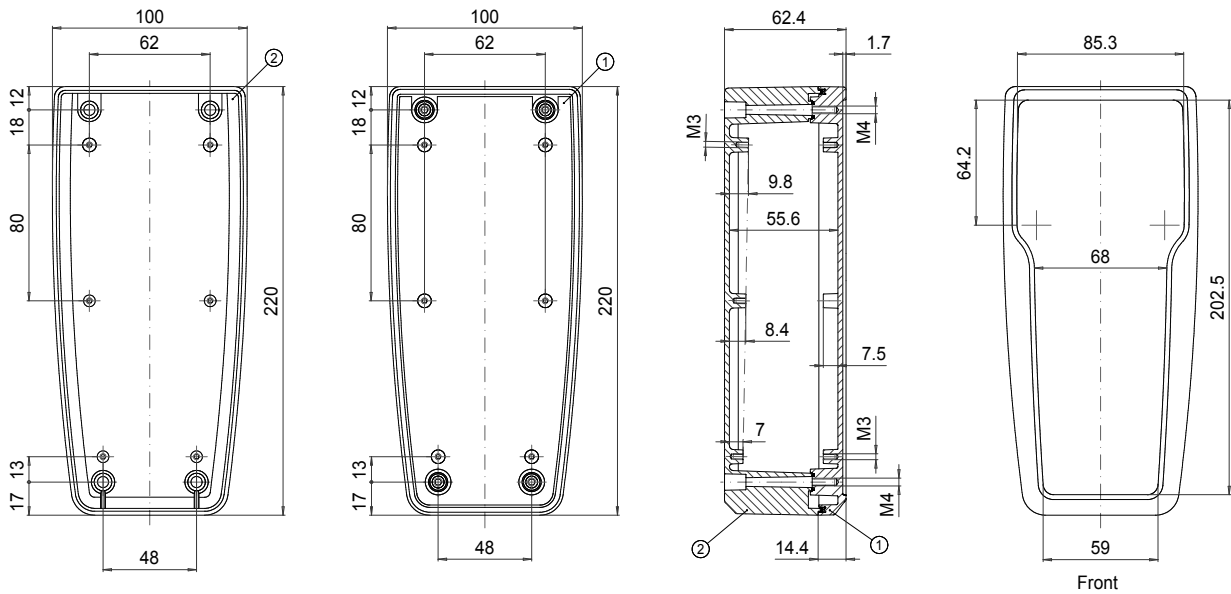
HCF 081



HCF 100



HC 100

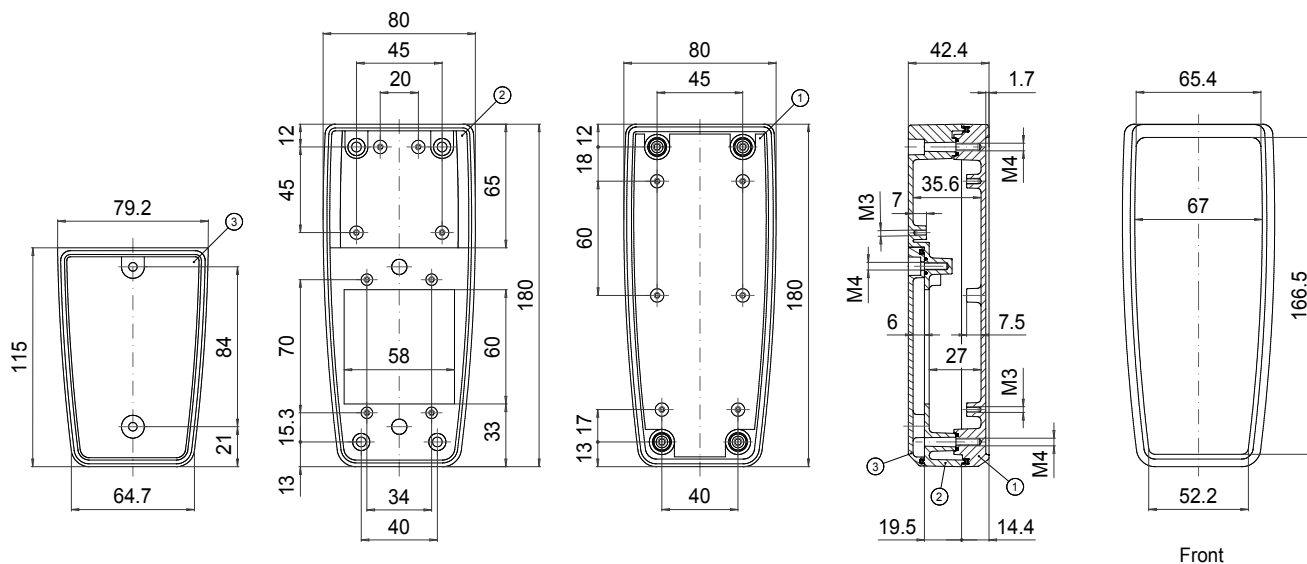


- ① Enclosure lid
- ② Enclosure bottom
- ③ Battery compartment lid

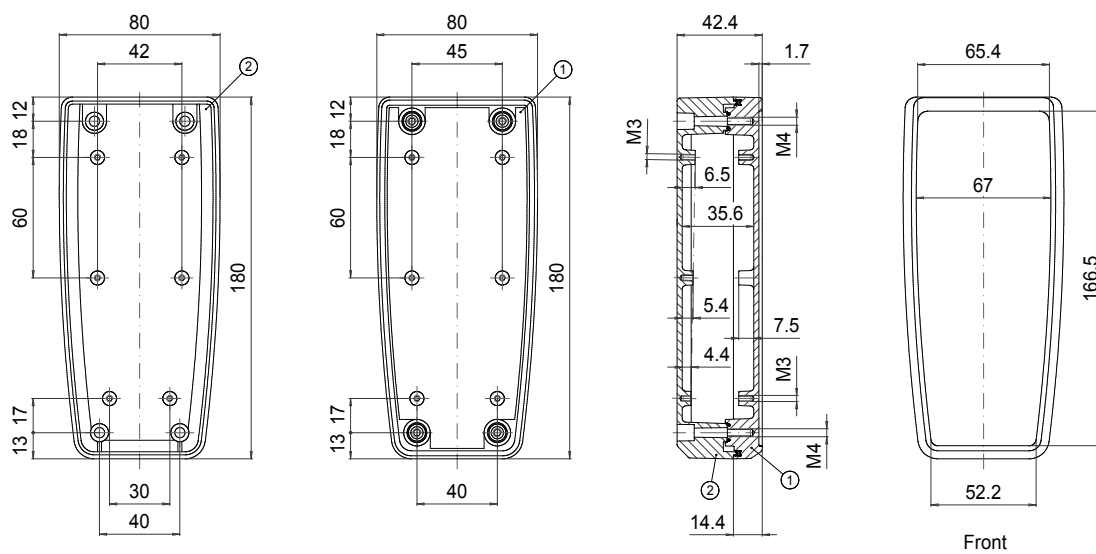
ROLEC Attachment and mounting dimensions

handCASE

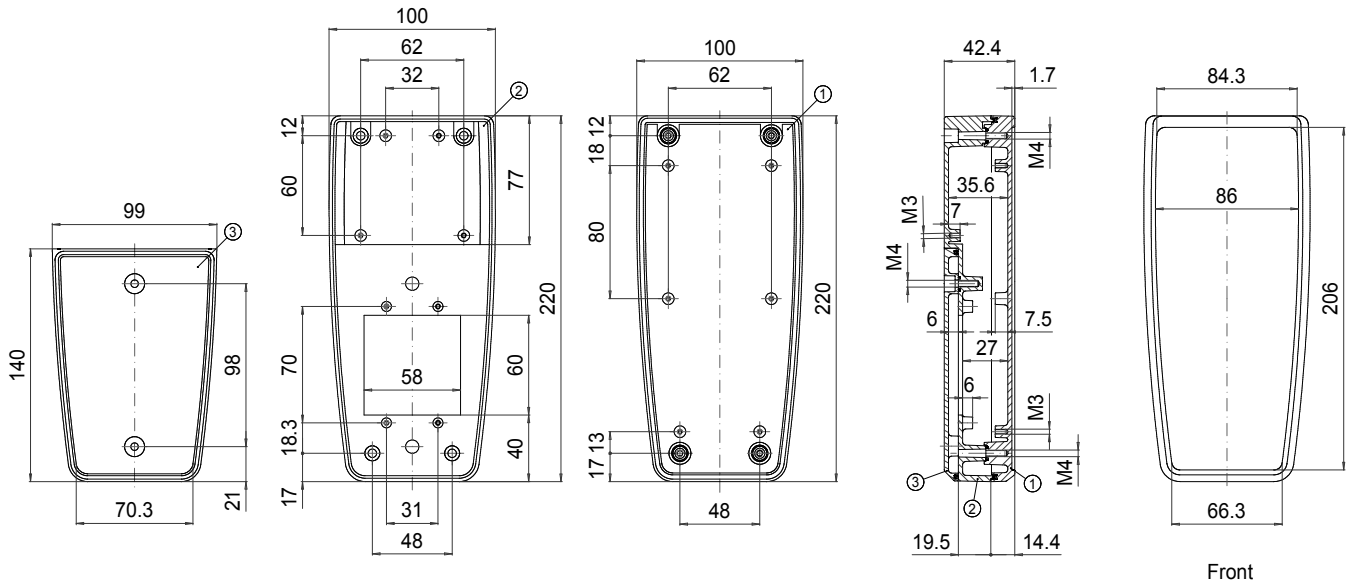
HCF 080 R



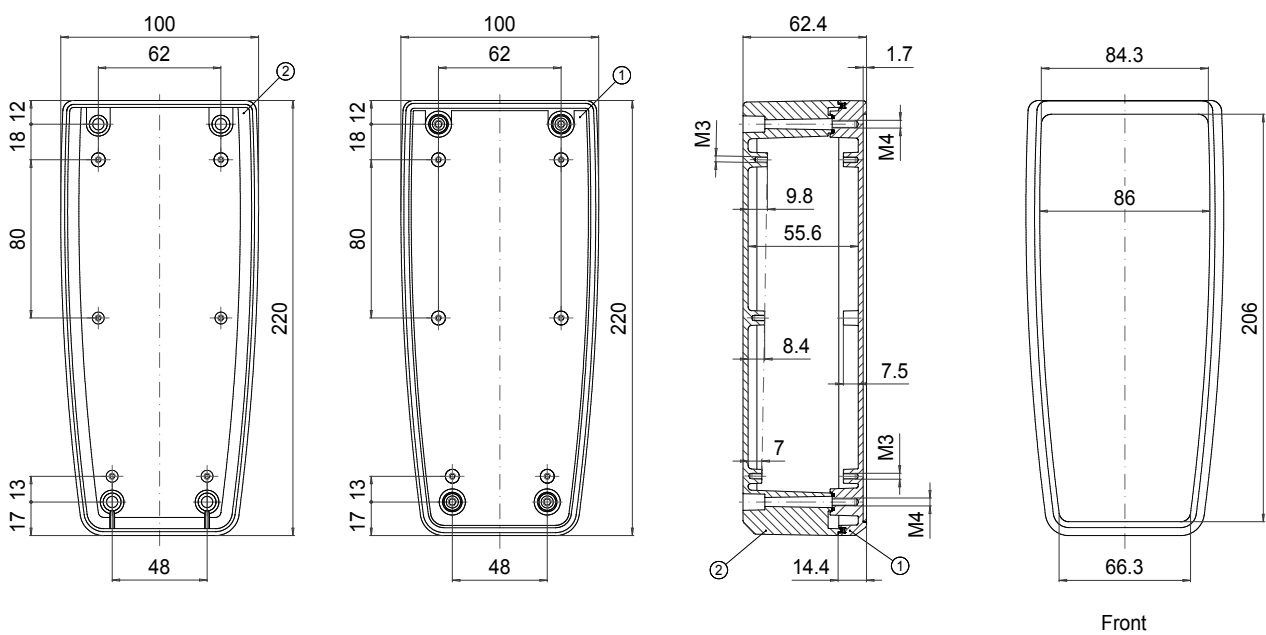
HCF 081 R



HCF 100 R



HC 100 R



- ① Enclosure lid
- ② Enclosure bottom
- ③ Battery compartment lid



Our *passion* is enclosures.



mobilCASE

Mobile control enclosures made of aluminium profiles

For ease of work in industry, the lab, medical technology, logistics, etc.



Clip holder for setting down mobile devices at the wall or machine



Support infinitely variable setting incl. closing lid, flat



Desk version: Combination of 2 profiles, also such with different sections



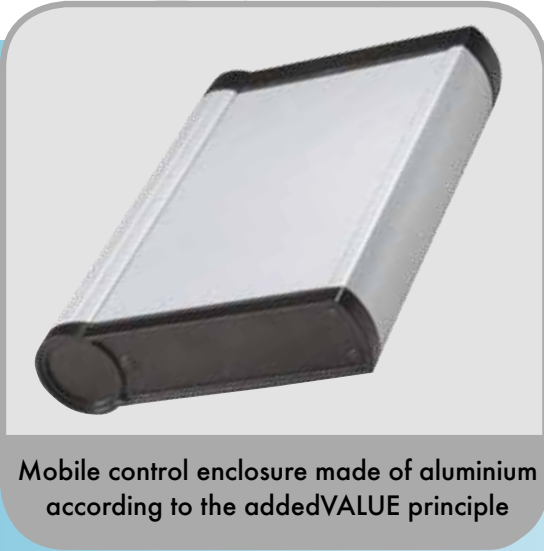
Articulated wall/desk fixation

mobilCASE - the new ROLEC enclosure generation

from aluminium. Autonomous due to inherent energy supply. Ideal for mobile use. But not just that! Three different widths. Dust and water-tight. Due to the profile construction the length of the enclosure can be varied as required. Robust end caps from TPE protect interfaces in mobile field applications. Shoulder carry straps ease continuous work. When used on a tabletop, two enclosures of varying widths can also be combined by means of an adapter.

Human and efficiency factor:

The ergonomics. An infinitely variable adjustment option enables setting the suitable viewing angle. Pivoting wall bracket or clip holder for stationary use on machines or on lab tables. For transportation in a measuring device case or with console applications: Variant with support.



Mobile control enclosure made of aluminium according to the addedVALUE principle



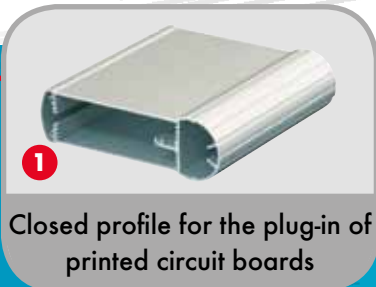
Shoulder strap with protective caps for mobile use

"Due to its modern and ergonomic design, mobilCASE is setting new benchmarks in profile enclosures."



Technical data

mobilCASE



1

Closed profile for the plug-in of printed circuit boards



2

Divided profile for easy mounting of short-stroke keyboards



3

Closing lid flat



4

End cover with collar to take plug sockets



5

Desk version: Combination of 2 profiles



6

Shoulder strap with protective caps for mobile utilisation



7

Wall/desk fixation, articulated



8

Stand up shackle with continuous setting, including flat lid



9

Support infinitely variable setting incl. end cover with collar



10

Clip holder for setting down device at wall or machine



11

Accumulator holders for 2 or 4 mignon cells R6 DIN 40863



12

Adapter with cable gland M16

Enclosure: Extruded aluminium pressed profile AL Mg Si 0.5 / DIN 17615 with 2 variants of the closing lid, die-cast zinc alloy GD-Zn Al 4 Cu 1 / DIN EN 12844

Integrated recess: In the profile for front membranes and membrane keypads

Ingress Protection:

Profile 1-part IP65 / EN 60529

Profile 2-part IP54 / EN 60529

Wall/desk version and support IP54 / EN 60529

Lid gasket: TPE moulded gasket, silicone-free (-30°C to +100°C)

Profile gasket: Chloroprene (CR) gasket (-30°C to +90°C)

Lid screws: Stainless steel 1.4567 (V2A)

Closing lid surface: Power coating, RAL 9005, deep black

Profile surface: Power coating, silver metallic

Optionally available:

Protection kit (PK): TPE material

Wallholder (WH): Polyamide (plastic)

Clip holder (CH): Polyamide (plastic)

Surface: Special colours

Further options, see delivery overview.

Delivery overview mobilCASE

Type	Mat. no.	W	L	P
Profile P 80-1	250.080.120	118	120	80
Profile P 80-1	250.080.160	118	160	80
Profile P 100-1	250.100.160	138	160	100
Profile P 100-1	250.100.200	138	200	100
Profile P 130-1	250.130.180	168	180	130
Profile P 130-1	250.130.240	168	240	130

Type	Mat. no.	W	L	P
Profile P 80-2	251.080.120	118	120	80
Profile P 80-2	251.080.160	118	160	80
Profile P 100-2	251.100.160	138	160	100
Profile P 100-2	251.100.200	138	200	100
Profile P 130-2	251.130.180	168	180	130
Profile P 130-2	251.130.240	168	240	130

Type	Mat. no.	Sizes
Set DF 80	580.080.000	80
Set DF 100	580.100.000	100
Set DF 130	580.130.000	130

Type	Mat. no.	Sizes
Set WH 80	589.080.000	80
Set WH 100	589.100.000	100
Set WH 130	589.130.000	130

Set DK 80	581.080.000	80
Set DK 100	581.100.000	100
Set DK 130	581.130.000	130

Set ABF 80	589.080.100	80
Set ABF 100	589.100.100	100
Set ABF 130	589.130.100	130
Set ABK 80	589.080.200	80
Set ABK 100	589.100.200	100
Set ABK 130	589.130.200	130

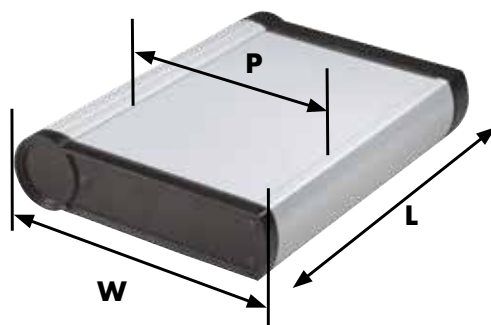
Type	Mat. no.	Connection
Set PG 80-80	588.080.080	Sizes 80+80
Set PG 80-100	588.080.100	Sizes 80+100
Set PG 80-130	588.080.130	Sizes 80+130
Set PG 100-100	588.100.100	Sizes 100+100
Set PG 100-130	588.100.130	Sizes 100+130
Set PG 130-130	588.130.130	Sizes 130+130

Set CH	584.000.000	all sizes
--------	-------------	-----------

Type	Mat. no.	Sizes
Set PK 80	583.080.000	80
Set PK 100	583.100.000	100
Set PK 130	583.130.000	130

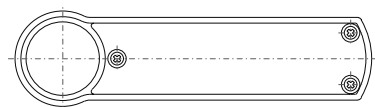
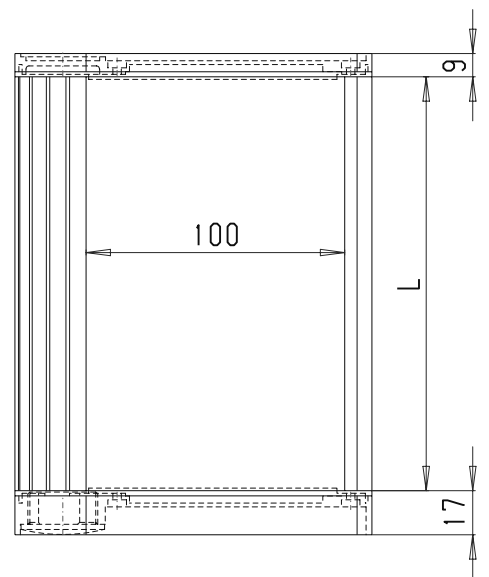
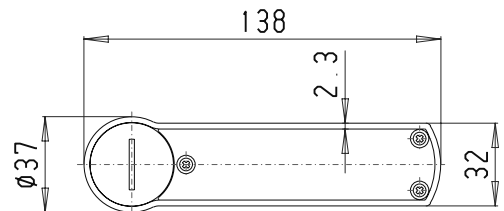
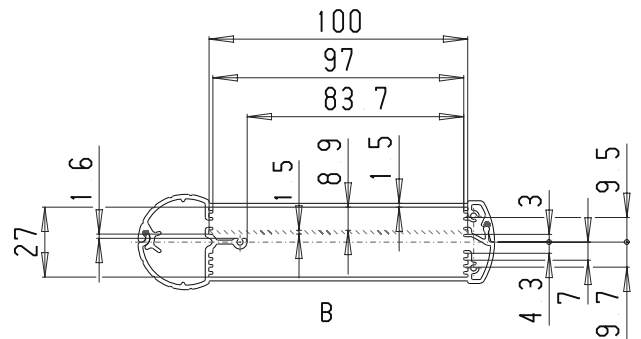
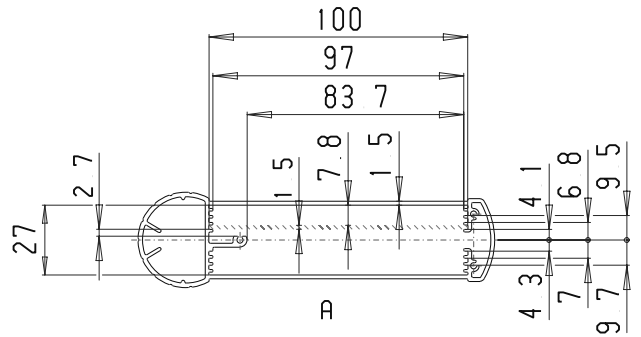
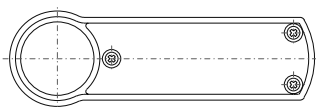
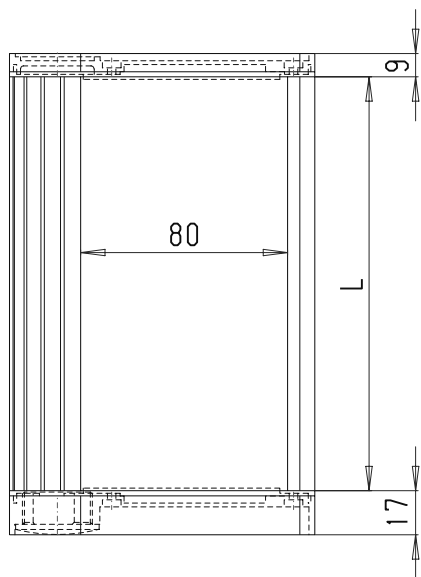
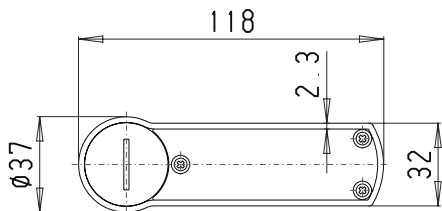
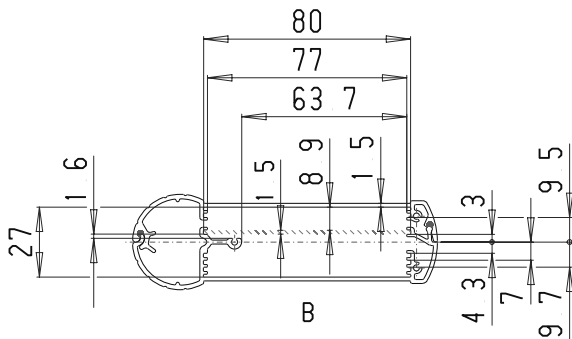
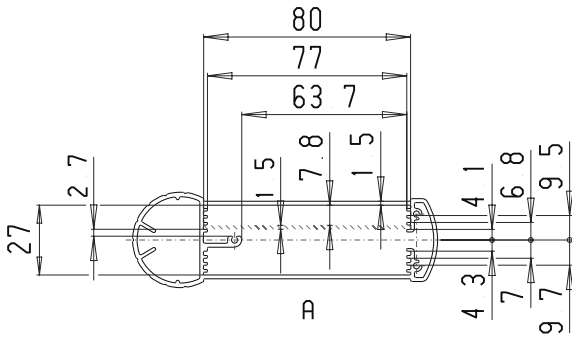
AH 2	584.002.000	all sizes
AH 4	584.004.000	all sizes
Adaptor with cable gland M16	585.000.000	all sizes

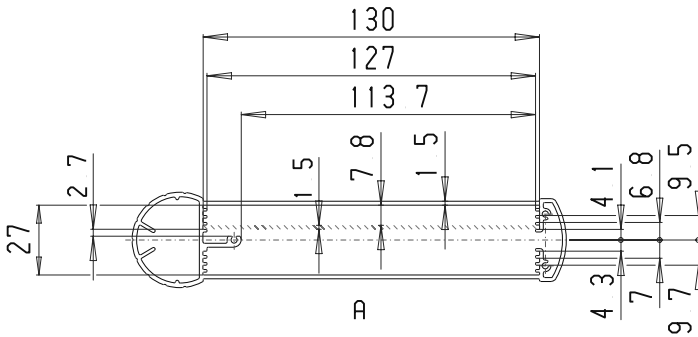
Approvals:



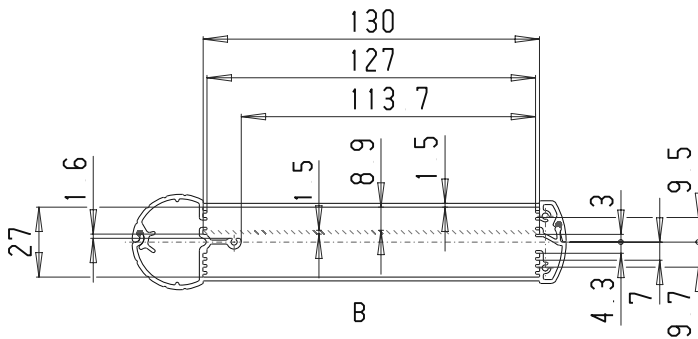
ROLEC Attachment and assembly dimensions

mobilCASE

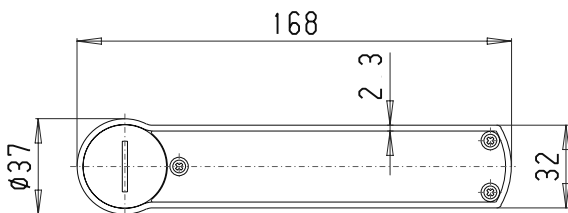




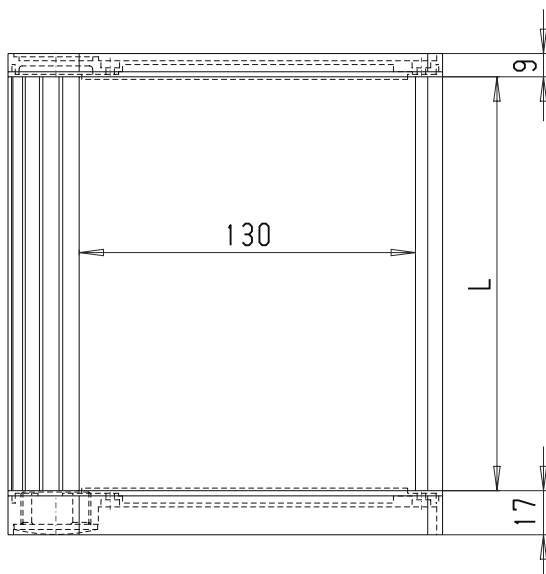
Closed profile version
P 080/100/130 - 1



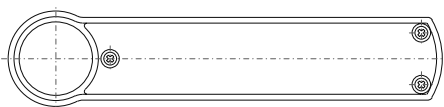
Divided profile version
P 080/100/130 - 2



Lid with collar
Total height 17 mm incl. gasket



Dimensions for front membrane:
L - 0.4 mm max.
80/100/130 - 0.6 mm max.



Flat lid



Our *passion* is enclosures.



aluDISPLAY

Display enclosures made of aluminium profiles

GREATER consideration = GREATER added value



Front plates without visible screws



Simple and quick mounting without dismantling the basic enclosure



Profile for inserted plug-in circuit boards or for mounting components using spring nuts

"Modern design and progressive technology offer the user variable application options. "

GREATER consideration = GREATER added value

aluDISPLAY. The enclosure for electronic controls and operating units with flat modules. Time-saving and easy assembly and disassembly with latching covering profiles. No base body disassembly. Mounted end caps.

The modern enclosure range is available in three different profile widths and lengths in accordance with requirements. Profile for inserted plug-in circuit boards or for mounting components using spring nuts. Variants for suspension system adaption.



Scope of delivery:
Profiles are screwed together
with gaskets and lid.
Front plate included.

Internal guide rails for insertion of PCBs/only
one covering lid has to be removed

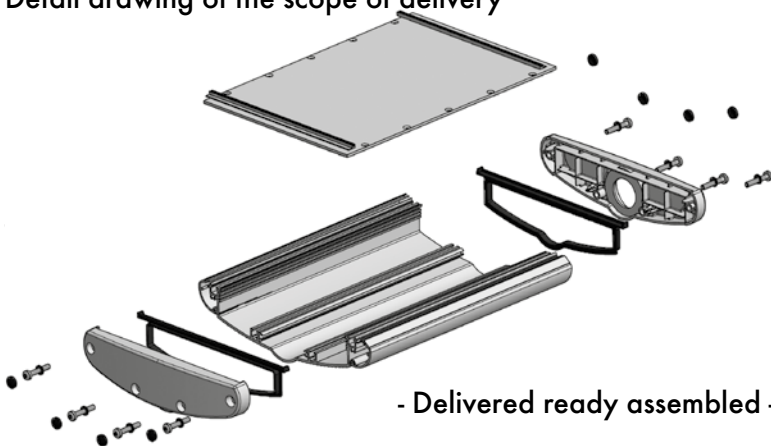
Profiles

Type	Profiles	Version
ADI 180	180 mm	Standard
ADI 180-T	180 mm	Standard
ADI 180-W	180 mm	Standard
ADI 240	240 mm	Standard
ADI 240-T	240 mm	Standard
ADI 240-W	240 mm	Standard
ADI 300	300 mm	Standard
ADI 300-T	300 mm	Standard
ADI 300-W	300 mm	Standard

Example order: ADI 240 x 350*

*Length in mm - per choice

Detail drawing of the scope of delivery



- Delivered ready assembled -



Technical data

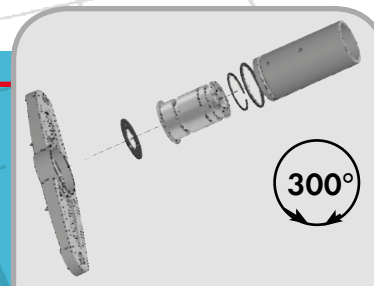
aluDISPLAY

Tube with coupling for suspension system taraPLUS

Version K:



Optionally prepared for assembly on the suspension system



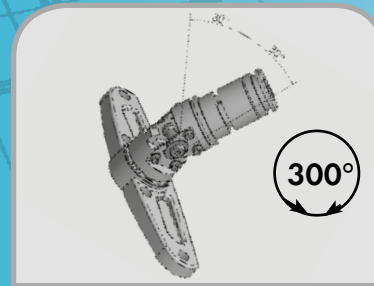
Assembly and rotation range K

Tube with inclination coupling for suspension system taraPLUS

Version NK:



Optionally prepared for assembly on the suspension system



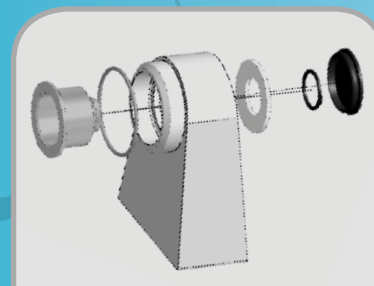
Rotation and pivoting range NK

Rotating brackets for wall or console assembly

Version W:



Optionally prepared for wall or console assembly



Assembly detail W

Enclosure: Extruded aluminium pressed profile AL Mg Si 0.5 / DIN 17615 with 2 variants of the end cover, cast aluminium alloy EN AC-44300 DIN EN 1706 (GD Al Si 12 / DIN 1725)

Ingress protection: IP54 / EN 60529

End cover gasket: TPE moulded gasket, silicon-free (-30°C to +100°C)

Profile gasket: Chloroprene (CR) gasket (-30°C to +90°C)

Lid screws: Stainless steel 1.4567 (V2A)

End cover surface: Power coating, RAL 9005, deep black

Profile surface: Anodised silver

Coupling tube: Powder coating, RAL 7035, light grey.

Optionally available:

Coupling variants: Coupling with tube (K tube)
Inclination coupling with tube (NK tube)

End cover surface: Special colours

Further options, see delivery overview.



Delivery overview
aluDISPLAY

Type	Length	Mat. no.
K tube	250 mm	144.400.250
K tube	500 mm	144.400.500
K tube	750 mm	144.400.750
K tube	1,000 mm	144.401.000

Scope of delivery:

Rotary coupling is mounted to the tube. Fastening by means of 4 screws on the cover.

Example order: ADI 240-T x 350*+ K-tube 500

*Length in mm - per choice

Type	Length	Mat. no.
NK tube	250 mm	144.410.250
NK tube	500 mm	144.410.500
NK tube	750 mm	144.410.750
NK tube	1,000 mm	144.411.000

Scope of delivery:

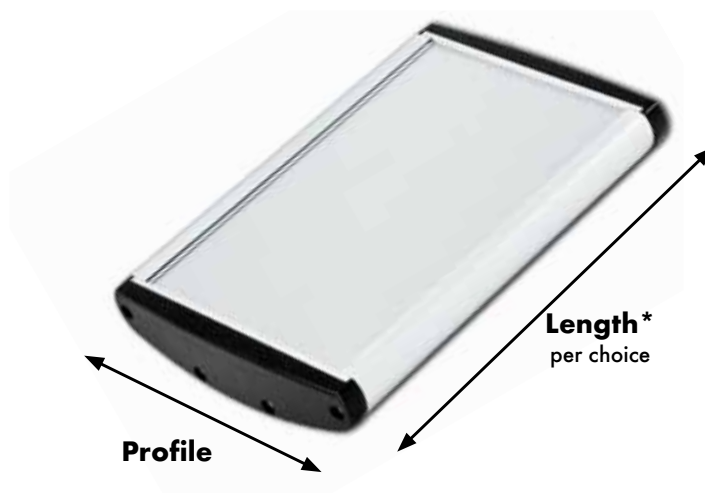
Inclination coupling is mounted to the tube. Fastening by means of 4 screws on the cover.

Type	Profile
ADI 180-W	180 mm
ADI 240-W	240 mm
ADI 300-W	300 mm

Scope of delivery:

Profile is mounted with wall/console bracket on the cover.

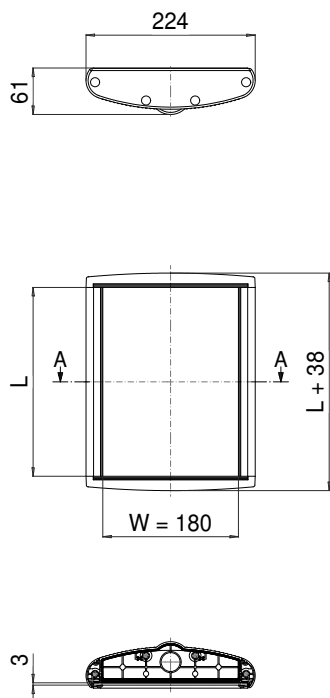
Approvals:



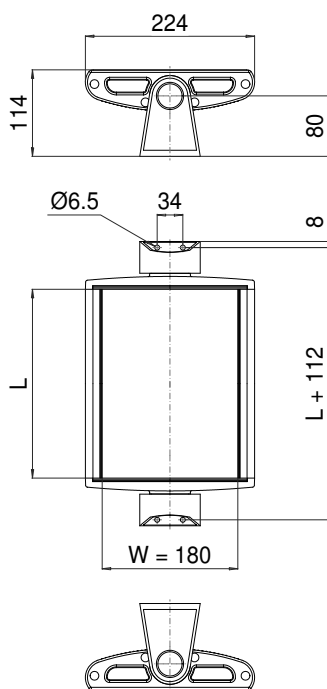
ROLEC Attachment and mounting dimensions

alU**DISPLAY**

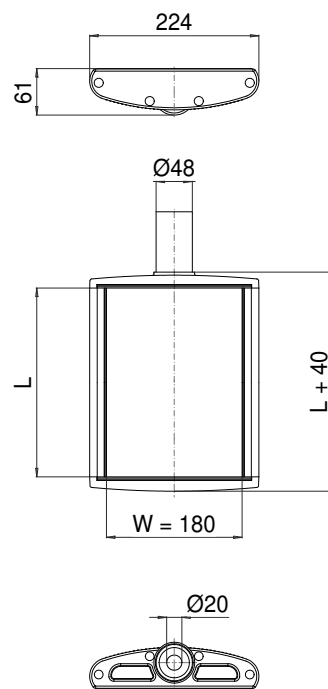
ADI 180



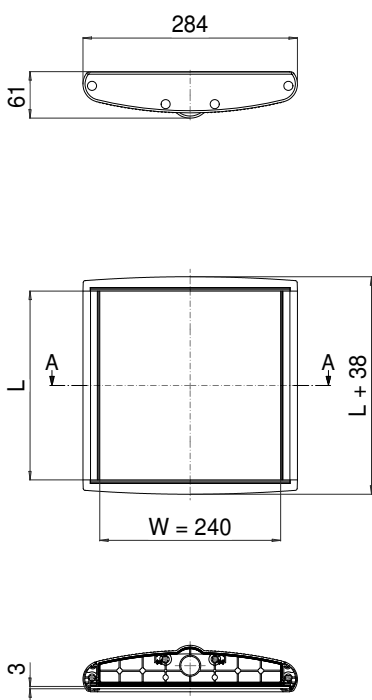
ADI 180-W



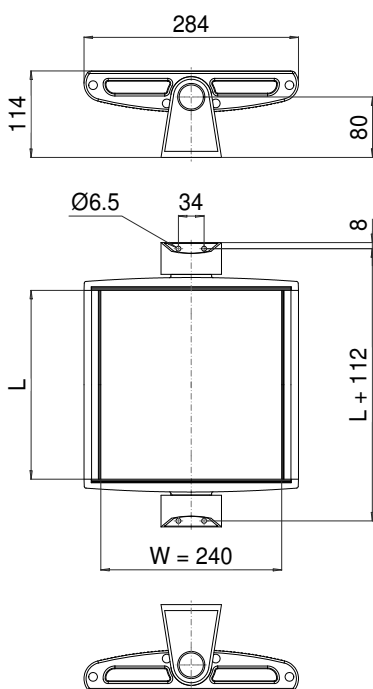
ADI 180-T



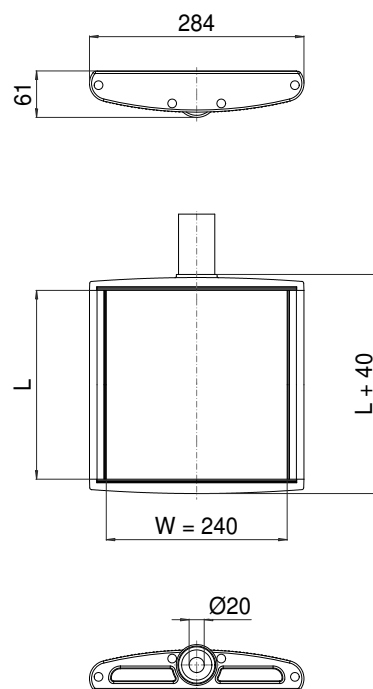
ADI 240



ADI 240-W



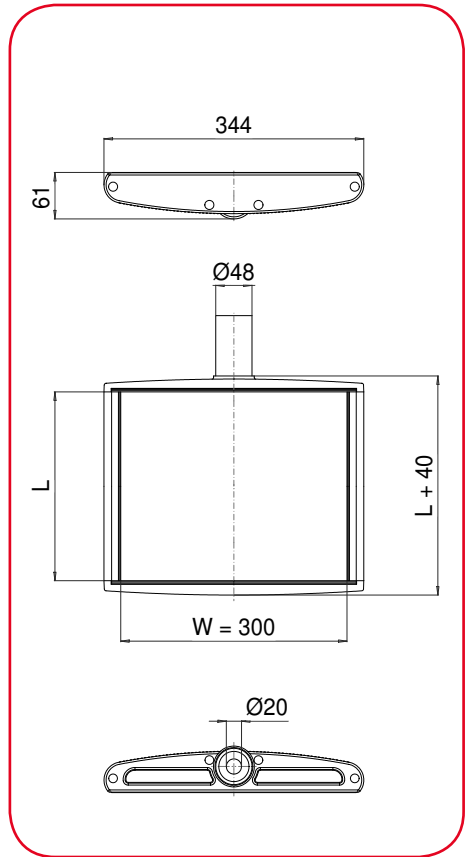
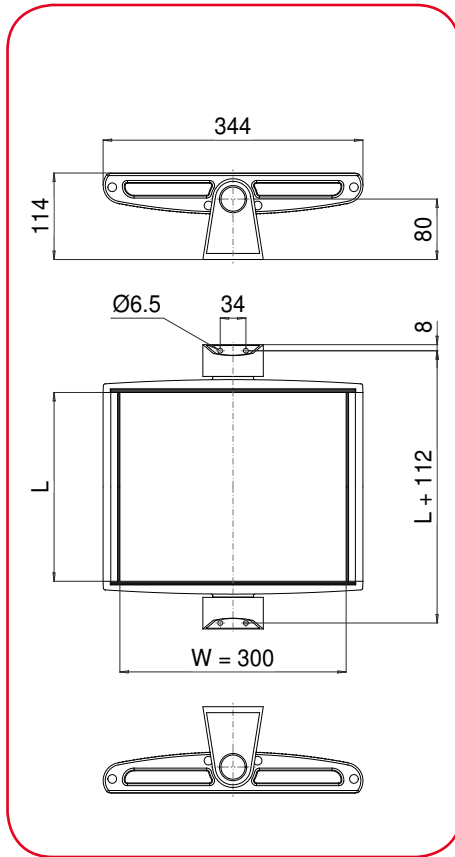
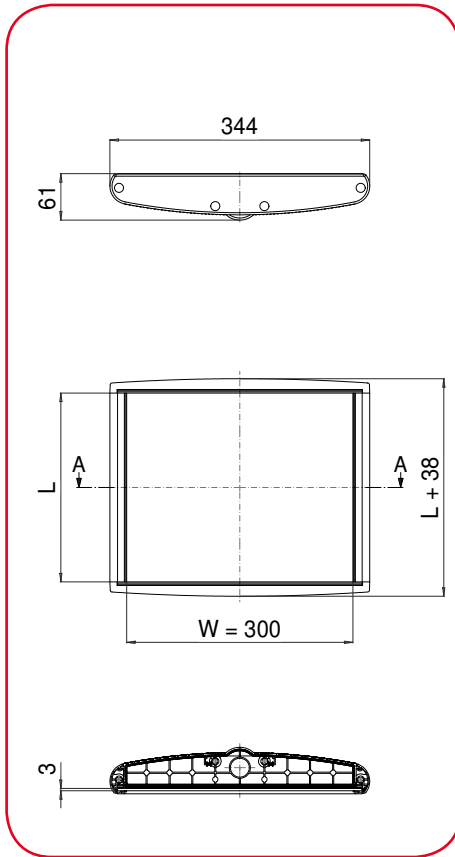
ADI 240-T



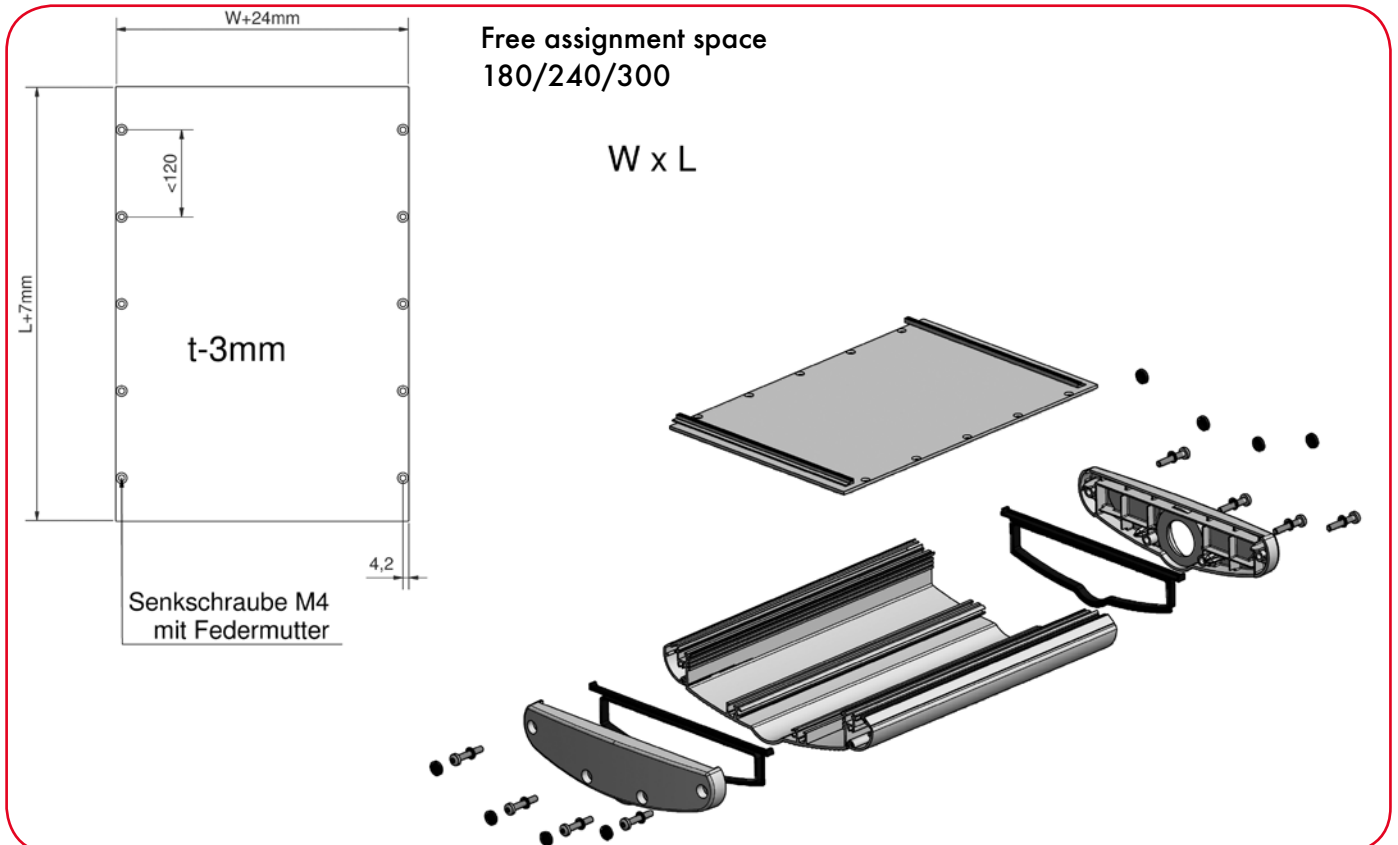
ADI 300

ADI 300-W

ADI 300-T



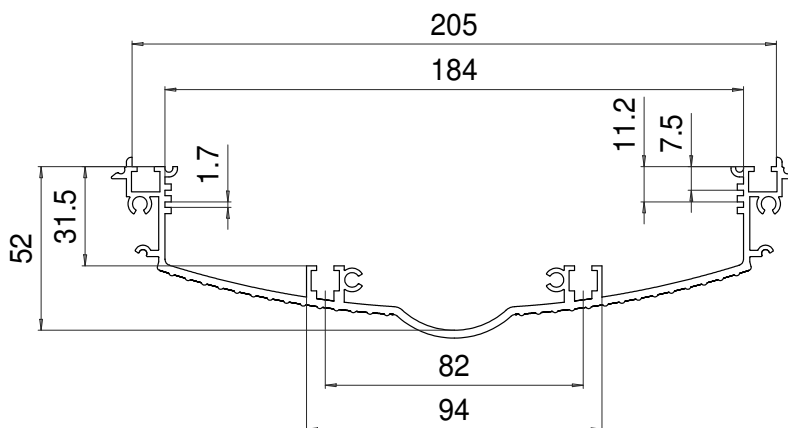
Preassembly by ROLEC



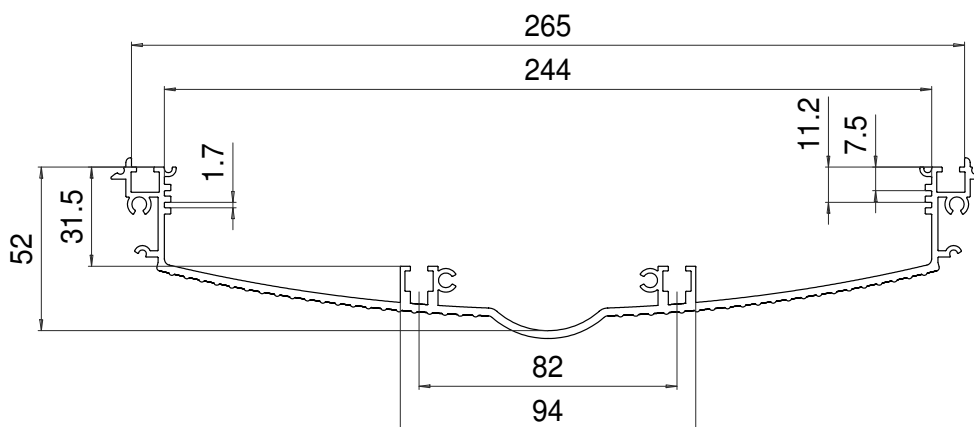
ROLEC Attachment and mounting dimensions

aluDISPLAY

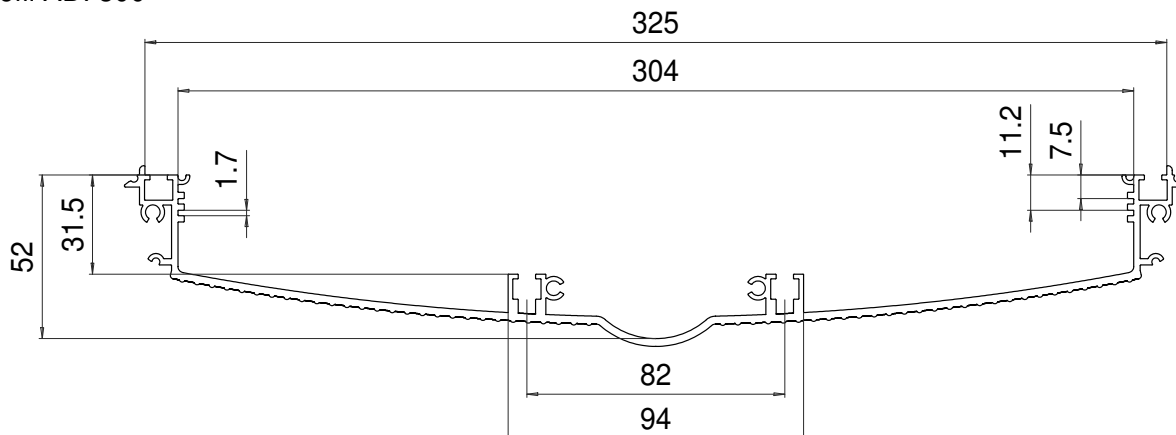
Profil ADI 180



Profil ADI 240



Profil ADI 300





Our *passion* is enclosures.



aluFACE

Command enclosures from cast aluminium

A front plate enclosure from aluminium - for every application ...



aluFACE series KTE - secure connection technology in a separately opening connection space



aluFACE series KCE - flat front framework, two-part top section



The aluFACE series KVE - flat front framework, two-part top section, screwed



aluFACE series KVF - flat front framework, flat lower section, screwed

aluFACE - this ROLEC enclosure series has many faces.

From aluminium. The front door comprises die-cast zinc corner pieces, which are mounted with extruded aluminium pressed profiles.

Economy factor:

The economical screwed version of the KVE, KVF and KE series.

The KE series for example has a flat front framework as a single-piece aluminium frame. The aluminium front plate is easy to install without visible screws. Protection type IP 66.

The KTE series can be supplied with a series of cover variants. Protection type to IP 66.

Locks and hinges ease security and accessibility with the series KCE and KSE

In total, all enclosure variants together offer **66 enclosure sizes.**



aluFACE series KSE - high front framework,
two-part top section



aluFACE series KE - flat front framework,
single-part aluminium frame

**"The principle of perfect alignment
with the environment and the living
space. Diversity of the species."**

Technical data

aluFACE series KTE

aluTWIN



KTE series



aluTWIN



Mounting rail and terminals



External mounting feet



Mounting plates

Enclosure with separate connection space and front frame:
 Die-cast aluminium: EN AN-44300 DIN EN 1706
 (GD AL SI 12 / DIN 1725) 1° mould slope
 for casting ejection, internal measures diminishing circulatory
 towards enclosure bottom by 1°.

Fastening: Space-saving single-channel technology

Installation option: Fastening thread M4/M6

Front plate: Aluminium 3mm, Al Mg 1, silver anodised

Ingress Protection: IP66 / EN 60529

Front frame gasket: TPE moulded gasket, silicone-free (-40°C
 to +120°C)

Gasket connection space and front plate: Chloroprene (CR)
 gasket (-30°C to +90°C)

Captive screws: Stainless steel 1.4567 (V2A), captive

Lid surface: Powder coating, RAL 7040, window grey

Enclosure bottom surface: Powder coating RAL 7035, light grey

Optionally available:

External mounting feet: Die-cast zinc (Zn Al 4 Cu 1)

Mounting plates: Sheet steel, galvanised

Gasket: Silicone gasket (-50°C to +140°C)

Surface: Corrosion protection, special colours

Further options, see delivery overview.

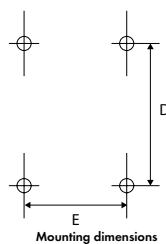
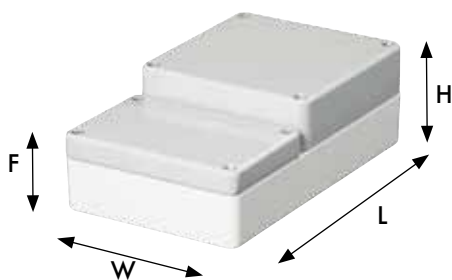


Delivery overview aluFACE series KTE												
Type	Mat. no.	L	W	H	D	E	F	g	M	S	D	HS
KTE 160	127.160.000	240	160	120	142	142	103	2.150	●	●	●	●
KTE 162	127.162.000	240	240	120	222	142	103	3.080	●	●	●	●

Delivery overview aluTWIN																		
Type	Mat. no.	L	W	H	D	E	F	g	M	D	A	L	T	S	DV	HS	EMC	67
ATF 100	105.100.000	166	100	55	57	87	40	730	●	●	●	●	●	○	○	○	●	●
AT 100	104.100.000	166	100	81	87	87	40	770	●	●	●	●	●	○	○	○	●	●
AT 160	104.160.000	240	160	103	142	142	103	2.170	●	●	●	●	●	●	●	●	●	●
AT 162	104.162.000	240	240	103	222	142	103	3.900	●	●	●	●	●	●	●	●	●	●

□ Standard ● Available ○ Not available

Approvals:



Technical data

aluFACE series KCE



KCE series



External mounting brackets



Handle system
RAL 3020, traffic red



Handle system
RAL 9005, deep black



Double-bit lock and
hinge (on W side)



Optional suspension
system taraPLUS

Enclosure with flat front frame: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Fastening: Space-saving single-channel technology

Installation option: Fastening thread M6

Front frame: Corner pieces die-cast zinc, (Zn Al 4 Cu 1) aluminium profile, (Al Mg Si 0.5)

Front plate: Aluminium 3mm, Al Mg 1, silver anodised

Ingress Protection: IP65 / EN 60529

Enclosure gasket: TPE moulded gasket, silicone-free (-40°C to +120°C) Chloroprene (CR) gasket (-30°C to +90°C)

Front plate gasket: Chloroprene (CR) gasket (-30°C to +90°C)

Closure: Lock and hinge, narrow side (side W)

Front frame and enclosure lid surface: Powder coating, RAL

7040, window grey

Enclosure bottom surface: Powder coating RAL 7035, light grey

Optionally available:

Fastening: Support system taraPLUS

External mounting brackets: Die-cast zinc (Zn Al 4 Cu 1)

Mounting plates: Sheet steel, galvanised

Gasket: Silicone gasket (-50°C to +140°C)

Handle system: Steel tube, power coated RAL 3020, traffic red RAL 9005, deep black

Closure: Lock and hinge, long side (side L)

Surface: Corrosion protection, special colours

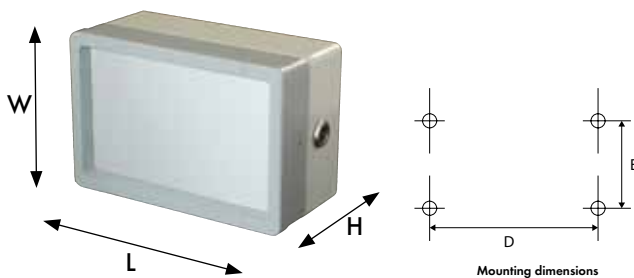
Further options, see delivery overview.

Delivery overview aluFACE series KCE

Type	Mat. no.	L	W	H	D	E	g	M	S	DV	W	X	Y	Z	J	I
KCE 120	119.120.000	120	120	114	102	102	1590	●	□	□	●	●	●	●	○	○
KCE 122	119.122.000	180	120	114	162	102	1820	●	□	□	●	●	●	●	○	○
KCE 124	119.124.000	240	120	114	222	102	2170	●	□	□	●	●	●	●	○	○
KCE 160	119.160.000	160	160	114	142	142	2060	●	□	□	●	●	●	●	●	○
KCE 162	119.162.000	240	160	114	222	142	2650	●	□	□	●	●	●	●	●	○
KCE 164	119.164.000	320	160	114	302	142	3190	●	□	□	●	●	●	●	●	○
KCE 166	119.166.000	480	160	114	462	142	4710	●	□	□	●	●	●	●	●	○
KCE 200	119.200.000	200	200	135	180	180	3150	●	□	□	●	●	●	●	●	●
KCE 202	119.202.000	300	200	135	280	180	3680	●	□	□	●	●	●	●	●	●
KCE 204	119.204.000	400	200	135	380	180	5480	●	□	□	●	●	●	●	●	●
KCE 240	119.240.000	240	240	135	220	220	4110	●	□	□	●	●	●	●	●	●
KCE 242	119.242.000	360	240	135	340	220	4800	●	□	□	●	●	●	●	●	●
KCE 244	119.244.000	480	240	135	460	220	6950	●	□	□	●	●	●	●	●	●
KCE 320	119.320.000	320	320	135	300	300	5720	●	□	□	●	●	●	●	●	●
KCE 322	119.322.000	480	320	135	460	300	7530	●	□	□	●	●	●	●	●	●
KCE 324	119.324.000	640	320	135	620	300	9720	●	□	□	●	●	●	●	●	●

□ Standard ● Available ○ Not available

Approvals:



Technical data

aluFACE series KSE



KSE series



Handle system
RAL 3020, traffic red



Handle system
RAL 9005, deep black



Front frame with enclosure
upper section pivoting



Double-bit lock and
hinge (on W side)



Optional suspension
system taraPLUS

Enclosure with high front frame: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Fastening: Space-saving single-channel technology

Installation option: Fastening thread M6

Front frame: Corner pieces die-cast zinc, (Zn Al 4 Cu 1) aluminium profile, (Al Mg Si 0.5)

Front plate: Aluminium 3mm, Al Mg 1, silver anodised

Ingress Protection: IP65 / EN 60529

Enclosure gasket: TPE moulded gasket, silicone-free (-40°C to +120°C) Chloroprene (CR) gasket (-30°C to +90°C)

Front plate gasket: Chloroprene (CR) gasket (-30°C to +90°C)

Closure: Lock and hinge, narrow side (side W)

Front frame surface: Powder coating, RAL 7040, window grey

Enclosure surface: Powder coating RAL 7035, light grey

Optionally available:

Fastening: Support system taraPLUS

External mounting brackets: Die-cast zinc (Zn Al 4 Cu 1)

Mounting plates: Sheet steel, galvanised

Gasket: Silicone gasket (-50°C to +140°C)

Handle system: Steel tube, power coated RAL 3020, traffic red RAL 9005, deep black

Closure: Lock and hinge, long side (side L)

Surface: Corrosion protection, special colours

Further options, see delivery overview.

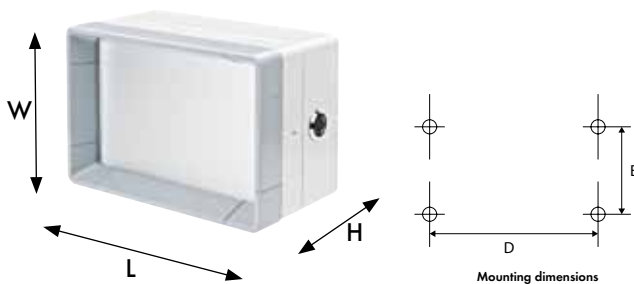


Delivery overview aluFACE series KSE

Type	Mat. no.	L	W	H	D	E	g	M	S	DV	W	X	Y	Z	J	I
KSE 160	115.160.000	160	160	133,5	142	142	2360	●	□	□	●	●	●	●	●	○
KSE 162	115.162.000	240	160	133,5	222	142	2960	●	□	□	●	●	●	●	●	○
KSE 164	115.164.000	320	160	133,5	302	142	3530	●	□	□	●	●	●	●	●	○
KSE 166	115.166.000	480	160	133,5	462	142	5090	●	□	□	●	●	●	●	●	○
KSE 200	115.200.000	200	200	153,5	180	180	3460	●	□	□	●	●	●	●	●	●
KSE 202	115.202.000	300	200	153,5	280	180	4320	●	□	□	●	●	●	●	●	●
KSE 204	115.204.000	400	200	153,5	380	180	5860	●	□	□	●	●	●	●	●	●
KSE 240	115.240.000	240	240	153,5	220	220	4450	●	□	□	●	●	●	●	●	●
KSE 242	115.242.000	360	240	153,5	340	220	5160	●	□	□	●	●	●	●	●	●
KSE 244	115.244.000	480	240	153,5	460	220	7350	●	□	□	●	●	●	●	●	●
KSE 320	115.320.000	320	320	153,5	300	300	6100	●	□	□	●	●	●	●	●	●
KSE 322	115.322.000	480	320	153,5	460	300	7950	●	□	□	●	●	●	●	●	●
KSE 324	115.324.000	640	320	153,5	620	300	10180	●	□	□	●	●	●	●	●	●

□ Standard ● Available ○ Not available

Approvals:



Technical data

aluFACE series KVE



KVE series



External mounting brackets



Handle system
RAL 3020, traffic red



Handle system
RAL 9005, deep black



Economical version with
screwed front frame



Optional suspension
system taraPLUS

Enclosure with flat front frame: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725) .1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Fastening: Space-saving single-channel technology

Installation option: Fastening thread M6

Front frame: Corner pieces die-cast zinc, (Zn Al 4 Cu 1) aluminium profile, (Al Mg Si 0.5)

Front plate: Aluminium 3mm, Al Mg 1, silver anodised

Ingress Protection: IP65 / EN 60529

Enclosure gasket: TPE moulded gasket, silicone-free (-40°C to +120°C) Chloroprene (CR) gasket (-30°C to +90°C)

Front plate gasket: Chloroprene (CR) gasket (-30°C to +90°C)

Captive screws: Stainless steel 1.4567 (V2A), captive

Front frame and enclosure lid surface: Powder coating, RAL 7040, window grey

Enclosure bottom surface: Powder coating RAL 7035, light grey

Optionally available:

Fastening: Support system taraPLUS

External mounting brackets: Die-cast zinc (Zn Al 4 Cu 1)

Mounting plates: Sheet steel, galvanised

Gasket: Silicone gasket (-50°C to +140°C)

Handle system: Steel tube, power coated RAL 3020, traffic red RAL 9005, deep black

Closure: Lock and hinge, long side (side L)

Surface: Corrosion protection, special colours

Further options, see delivery overview.

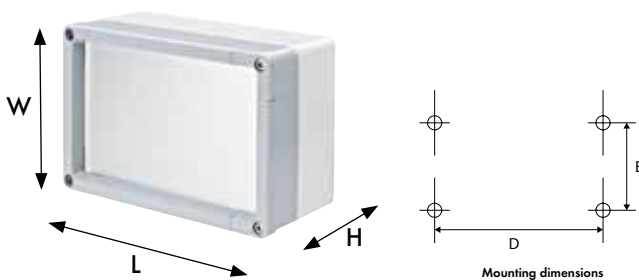


Delivery overview aluFACE series KVE

Type	Mat. no.	L	W	H	D	E	g	M	S	HS	J	I
KVE 120	125.120.000	120	120	114	102	102	1390	●	●	●	○	○
KVE 122	125.122.000	180	120	114	162	102	1610	●	●	●	○	○
KVE 124	125.124.000	240	120	114	222	102	1970	●	●	●	○	○
KVE 160	125.160.000	160	160	114	142	142	1860	●	●	●	●	○
KVE 162	125.162.000	240	160	114	222	142	2440	●	●	●	●	○
KVE 164	125.164.000	320	160	114	302	142	2990	●	●	●	●	○
KVE 166	125.166.000	480	160	114	462	142	4500	●	●	●	●	○
KVE 200	125.200.000	200	200	135	180	180	2950	●	●	●	●	●
KVE 202	125.202.000	300	200	135	280	180	3470	●	●	●	●	●
KVE 204	125.204.000	400	200	135	380	180	5270	●	●	●	●	●
KVE 240	125.240.000	240	240	135	220	220	3900	●	●	●	●	●
KVE 242	125.242.000	360	240	135	340	220	4600	●	●	●	●	●
KVE 244	125.244.000	480	240	135	460	220	6740	●	●	●	●	●
KVE 320	125.320.000	320	320	135	300	300	5510	●	●	●	●	●
KVE 322	125.322.000	480	320	135	460	300	7320	●	●	●	●	●
KVE 324	125.324.000	640	320	135	620	300	9510	●	●	●	●	●

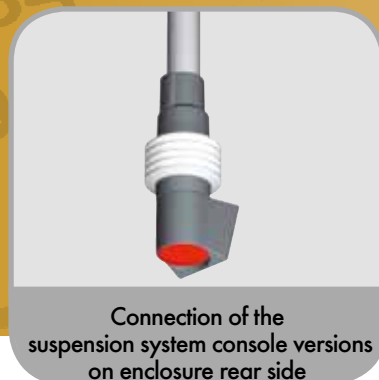
□ Standard ● Available ○ Not available

Approvals:



Technical data

aluFACE series KVF



Enclosure with flat front frame: Die-cast aluminium: EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

Fastening: Space-saving single-channel technology

Installation option: Fastening thread M6

Front frame: Corner pieces die-cast zinc, (Zn Al 4 Cu 1) aluminium profile, (Al Mg Si 0.5)

Front plate: Aluminium 3mm, Al Mg 1, silver anodised

Ingress Protection: IP65 / EN 60529

Enclosure gasket: TPE moulded gasket, silicone-free (-40°C to +120°C) Chloroprene (CR) gasket (-30°C to +90°C)

Front plate gasket: Chloroprene (CR) gasket (-30°C to +90°C)

Captive screws: Stainless steel 1.4567 (V2A), captive

Front frame and enclosure lid surface: Powder coating, RAL 7040, window grey

Enclosure bottom surface: Powder coating RAL 7035, light grey

Optionally available:

Fastening: Support system taraPLUS

External mounting brackets: Die-cast zinc (Zn Al 4 Cu 1)

Mounting plates: Sheet steel, galvanised

Gasket: Silicone gasket (-50°C to +140°C)

Handle system: Steel tube, power coated RAL 3020, traffic red RAL 9005, deep black

Closure: Lock and hinge, long side (side L)

Surface: Corrosion protection, special colours

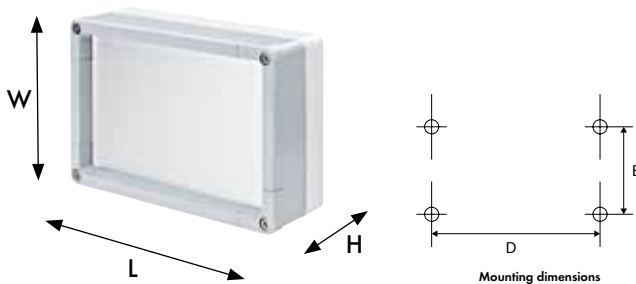
Further options, see delivery overview.

Delivery overview aluFACE series KVF

Type	Mat. no.	L	W	H	D	E	g	M	S	HS	J
KVF 120	123.120.000	120	120	80	102	102	1200	●	●	●	○
KVF 122	123.122.000	180	120	80	162	102	1400	●	●	●	○
KVF 124	123.124.000	240	120	80	222	102	1690	●	●	●	○
KVF 160	123.160.000	160	160	80	142	142	1740	●	●	●	●
KVF 162	123.162.000	240	160	80	222	142	2230	●	●	●	●
KVF 164	123.164.000	320	160	80	302	142	2700	●	●	●	●
KVF 166	123.166.000	480	160	80	462	142	3990	●	●	●	●
KVF 200	123.200.000	200	200	95	180	180	2640	●	●	●	●
KVF 202	123.202.000	300	200	95	280	180	3350	●	●	●	●
KVF 204	123.204.000	400	200	95	380	180	4620	●	●	●	●
KVF 240	123.240.000	240	240	95	220	220	3460	●	●	●	●
KVF 242	123.242.000	360	240	95	340	220	4950	●	●	●	●
KVF 244	123.244.000	480	240	95	460	220	5850	●	●	●	●
KVF 320	123.320.000	320	320	95	300	300	4820	●	●	●	●
KVF 322	123.322.000	480	320	95	460	300	6340	●	●	●	●
KVF 324	123.324.000	640	320	95	620	300	8170	●	●	●	●

□ Standard ● Available ○ Not available

Approvals:



Technical data

aluFACE series KE



Enclosure with front frame: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725) 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°

Fastening: Space-saving single-channel technology

Installation option: Fastening thread M6

Front frame: Corner pieces die-cast zinc, (Zn Al 4 Cu 1) aluminium profile, (Al Mg Si 0.5)

Front plate: Aluminium 3mm, Al Mg 1, silver anodised

Ingress Protection: IP66 / EN 60529

Front frame gasket: TPE moulded gasket, silicone-free (-40°C to +120°C) Chloroprene (CR) gasket (-30°C to +90°C)

Front plate gasket: Chloroprene (CR) gasket (-30°C to +90°C)

Captive screws: Stainless steel 1.4567 (V2A), captive

Lid surface: Powder coating, RAL 7040, window grey

Enclosure bottom surface: Powder coating RAL 7035, light grey

Optionally available:

Fastening: Support system taraPLUS

External mounting brackets: Die-cast zinc (Zn Al 4 Cu 1)

Mounting plates: Sheet steel, galvanised

Gasket: Silicone gasket (-50°C to +140°C)

Handle system: Steel tube, power coated RAL 3020, traffic red RAL 9005, deep black

Closure: Lock and hinge, long side (side L)

Surface: Corrosion protection, special colours

Further options, see delivery overview.

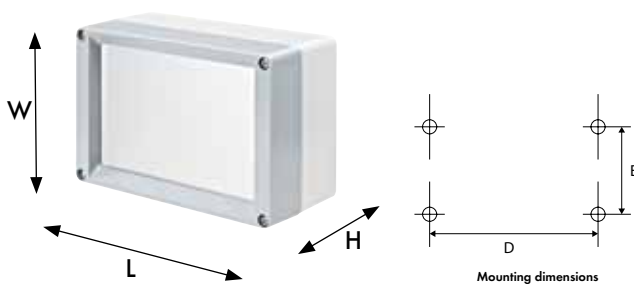


Delivery overview aluFACE series KE

Type	Mat. no.	L	W	H	D	E	g	M	S	V	W	X	Y	Z	J	I	D	HS
KE 160	126.160.000	160	160	117	142	142	1330	●	●	●	●	●	●	●	●	○	●	●
KE 162	126.162.000	240	160	117	222	142	1920	●	●	●	●	●	●	●	●	○	●	●
KE 242	126.242.000	360	240	137	340	220	4600	●	●	●	●	●	●	●	●	●	●	●

□ Standard ● Available ○ Not available

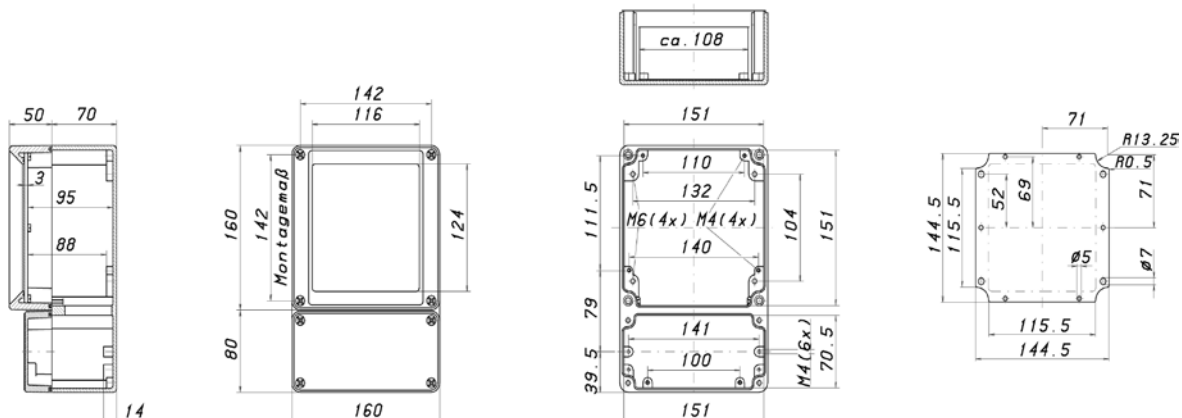
Approvals:



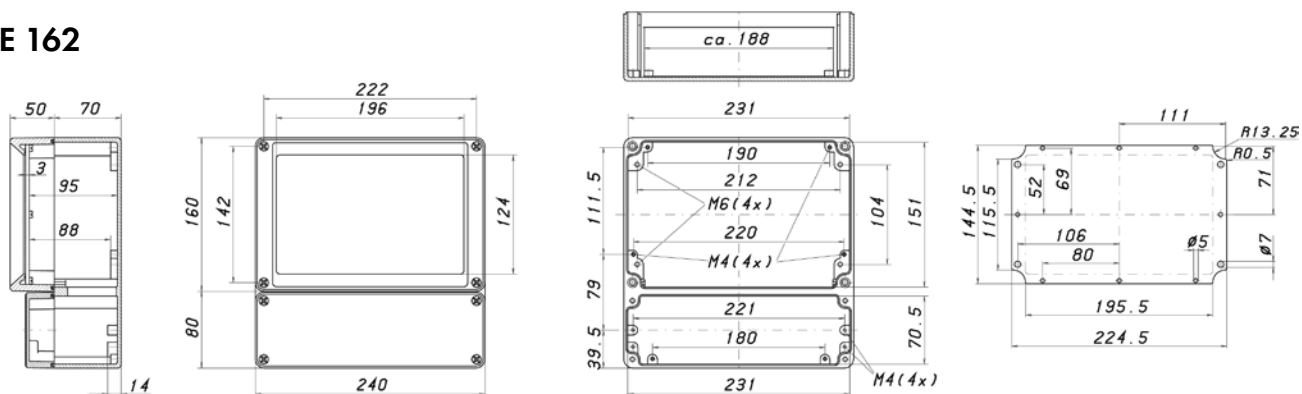
ROLEC Attachment and mounting dimensions

aluFACE

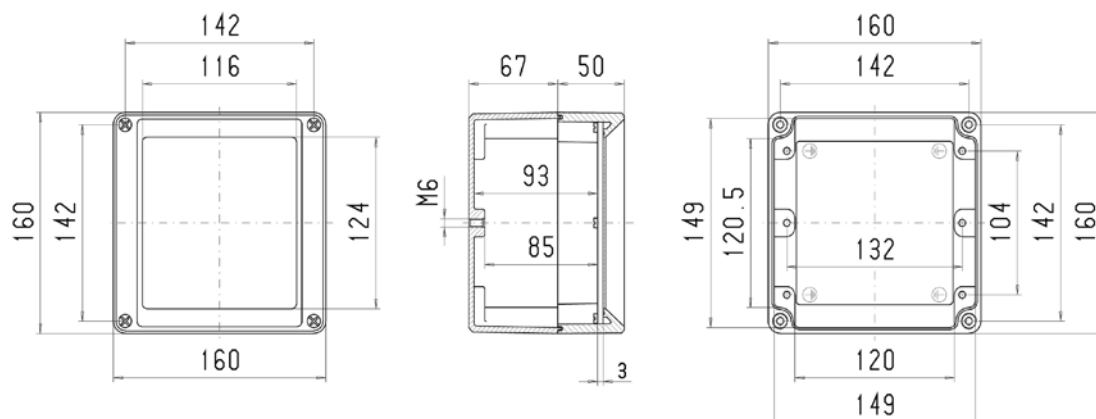
KTE 160



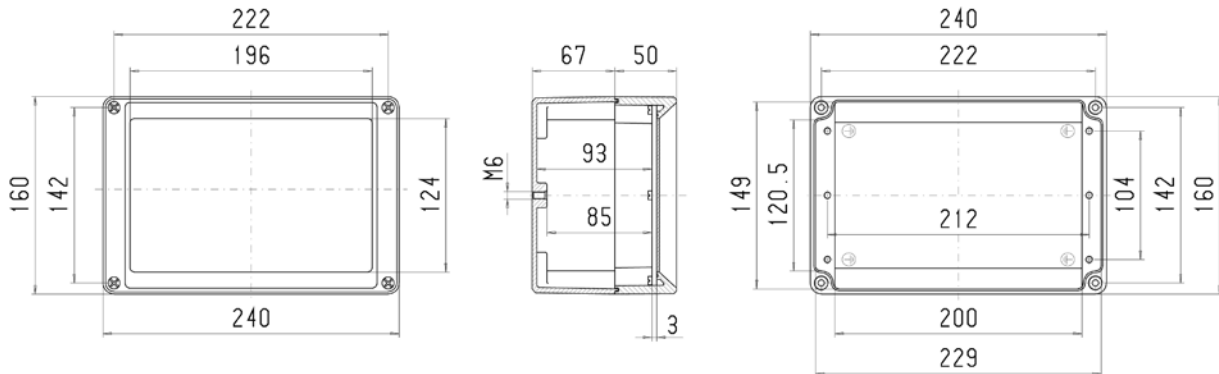
KTE 162



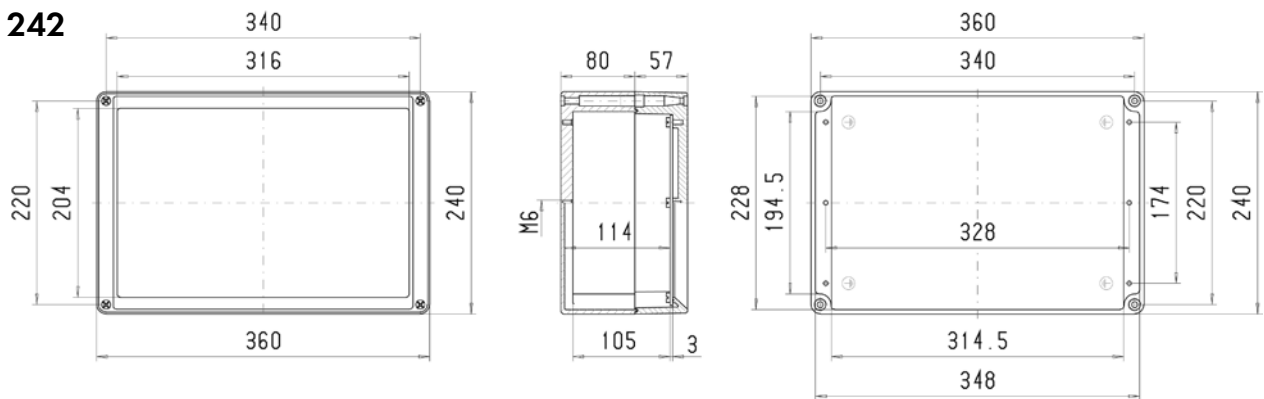
KE 160



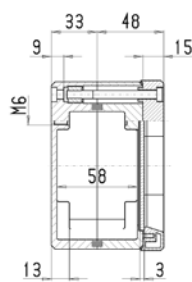
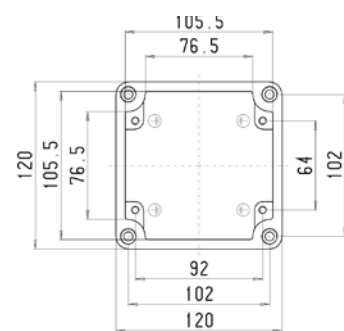
KE 162



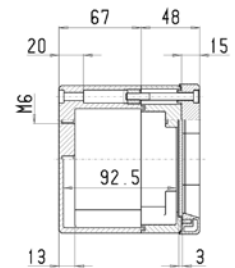
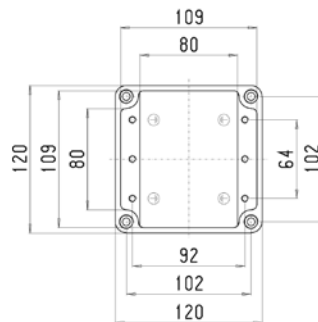
KE 242



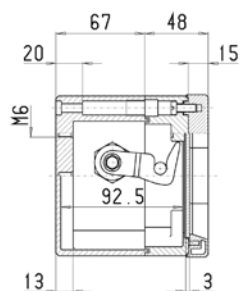
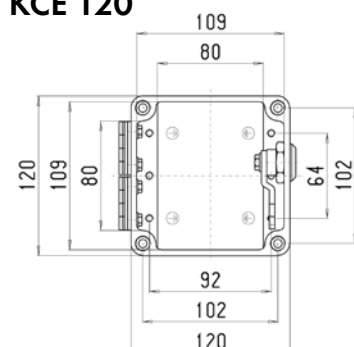
KVF 120



KVE 120

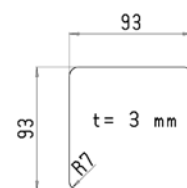


KCE 120



Front plate
Assignment space

85 x 85 mm

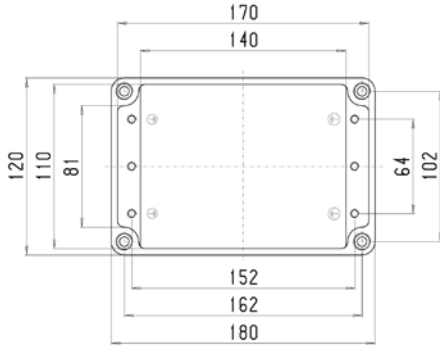


also for types
KVF/KVE 120

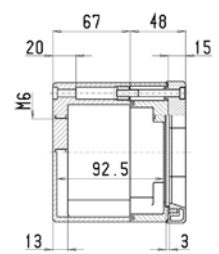
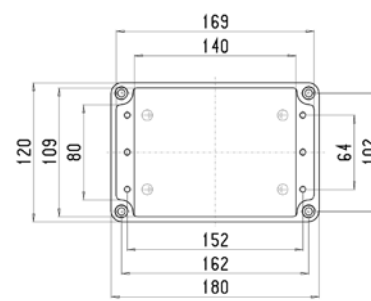
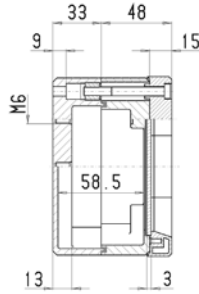
ROLEC Attachment and mounting dimensions

aluFACE

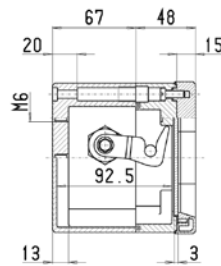
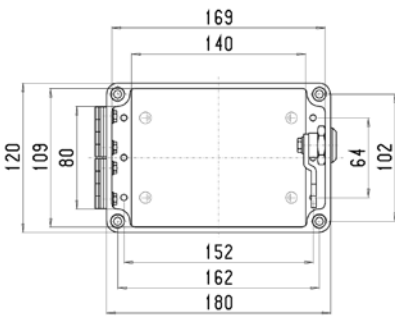
KVF 122



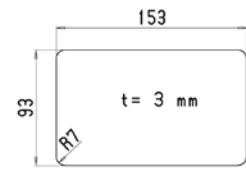
KVE 122



KCE 122

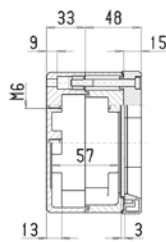
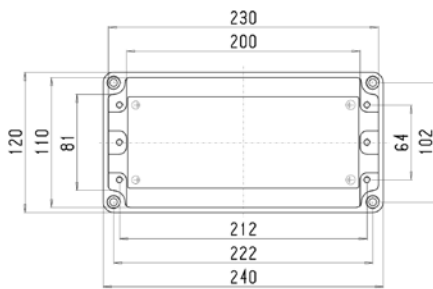


Front plate
Assignment space 85 x 145 mm

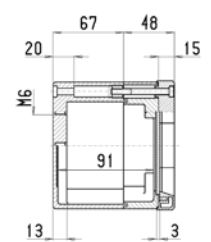
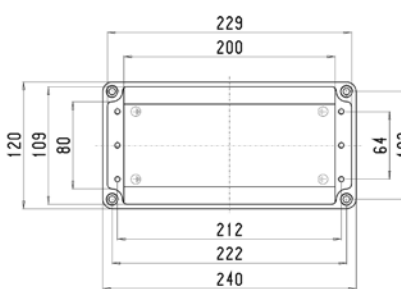


also for types
KVF/KVE 122

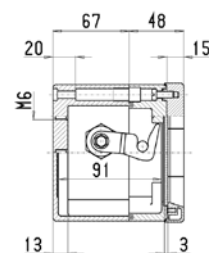
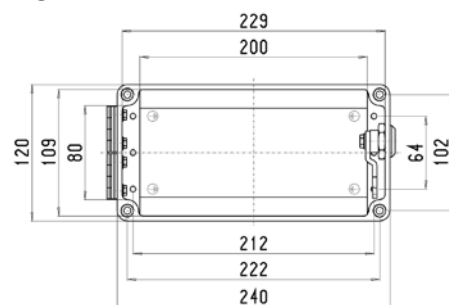
KVF 124



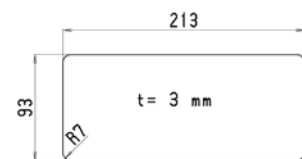
KVE 124



KCE 124

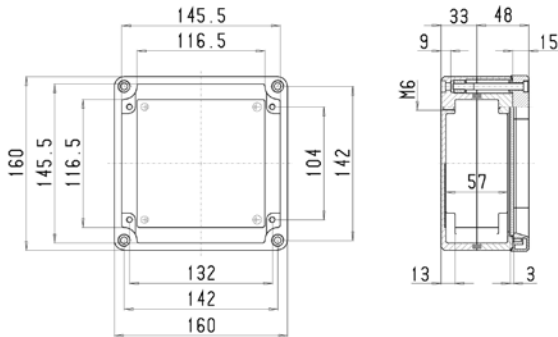


Front plate
Assignment space 85 x 205 mm

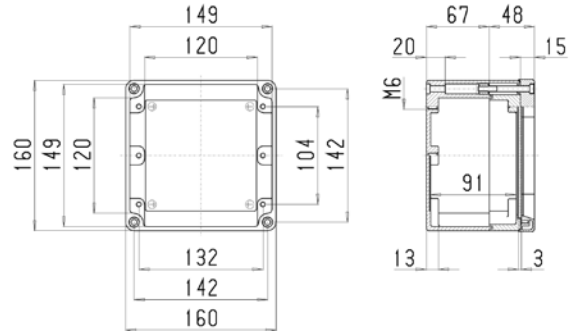


also for types
KVF/KVE 124

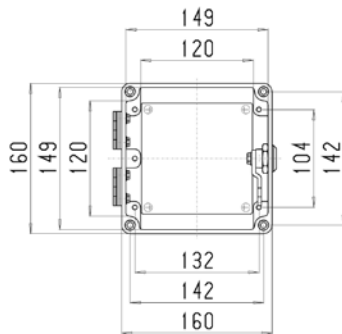
KVF 160



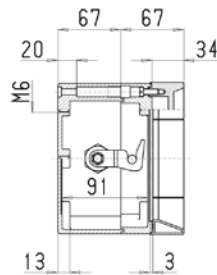
KVE 160



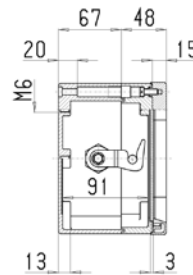
KSE/KCE 160



KSE 160



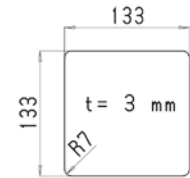
KCE 160



Front plate

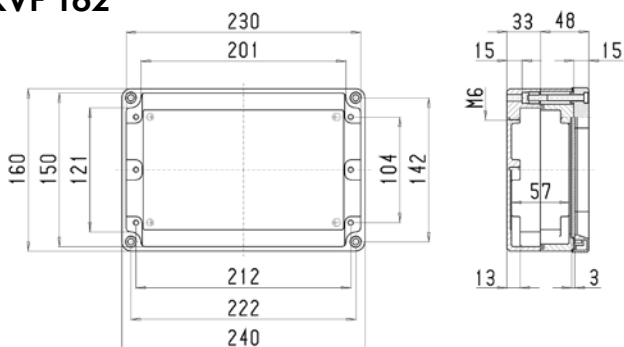
Assignment space

125 x 125 mm

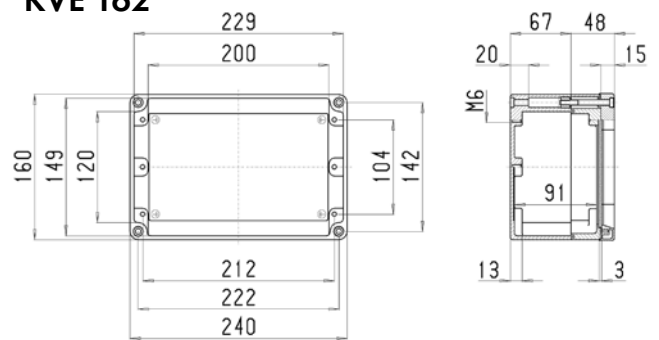


also for types
KVF/KVE 162

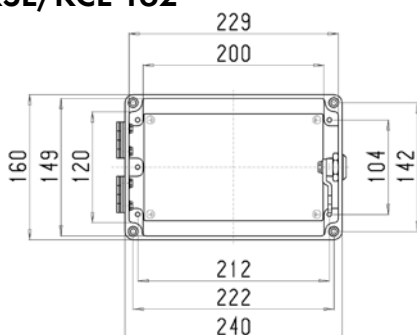
KVF 162



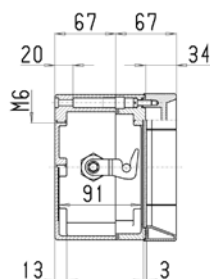
KVE 162



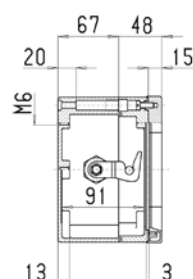
KSE/KCE 162



KSE 162



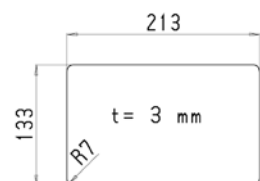
KCE 162



Front plate

Assignment space

125 x 205 mm

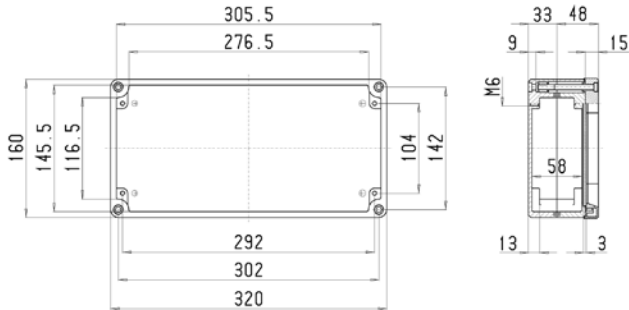


also for types
KVF/KVE 162

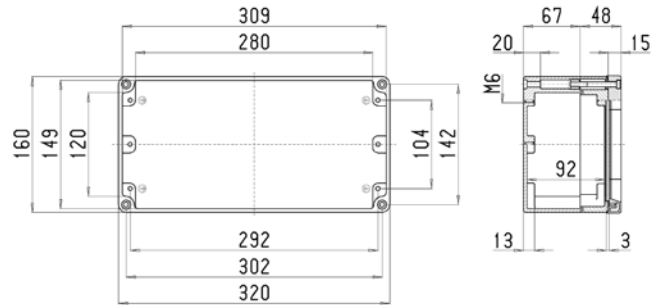
ROLEC Attachment and mounting dimensions

aluFACE

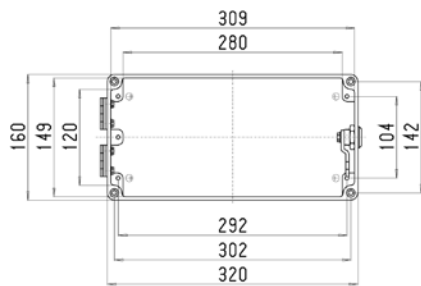
KVF 164



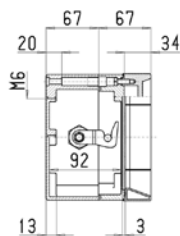
KVE 164



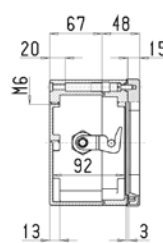
KSE/KCE 164



KSE 164



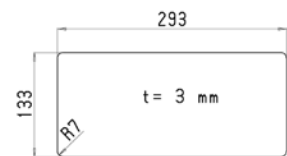
KCE 164



Front plate

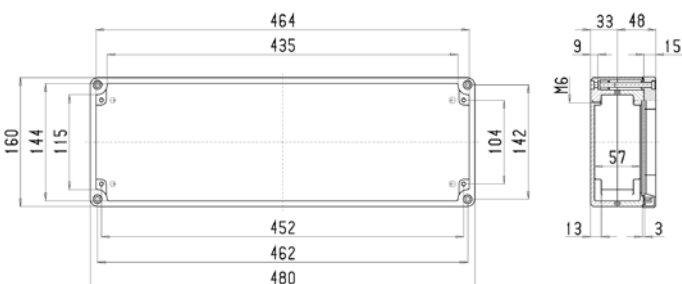
Assignment space

125 x 285 mm

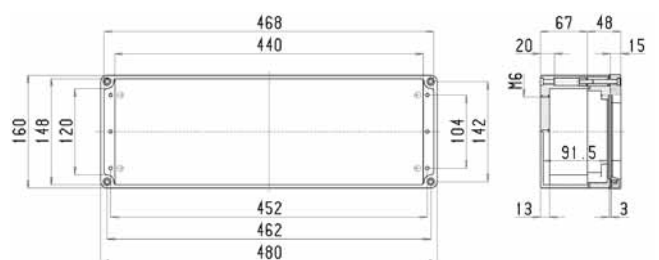


also for types
KVF/KVE 164

KVF 166



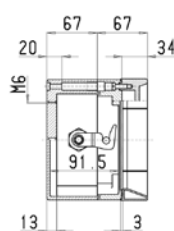
KVE 166



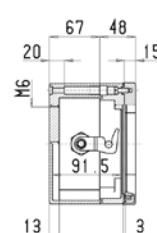
KSE/KCE 166



KSE 166



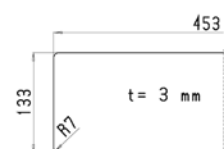
KCE 166



Front plate

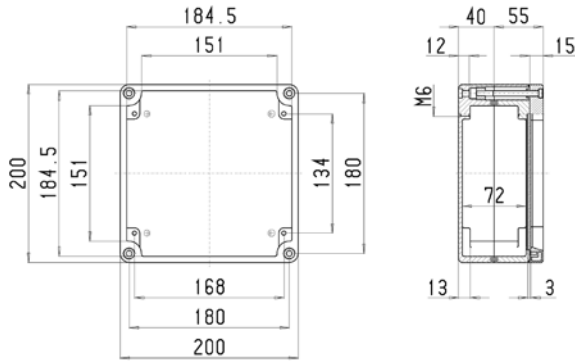
Assignment space

125 x 445 mm

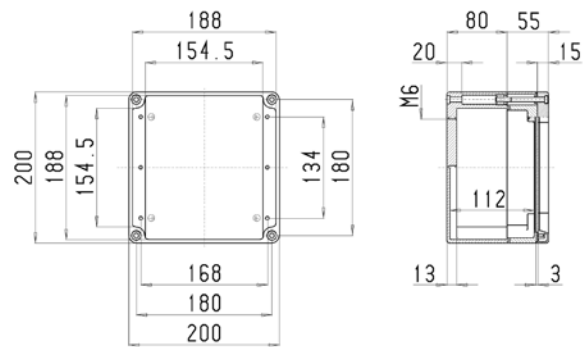


also for types
KVF/KVE 166

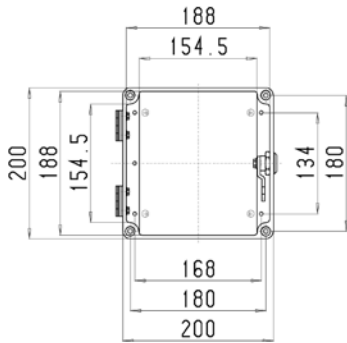
KVF 200



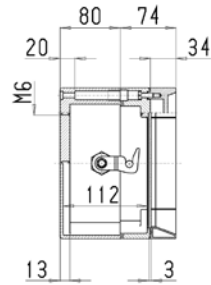
KVE 200



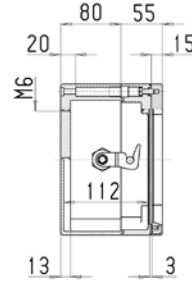
KSE/KCE 200



KSE 200



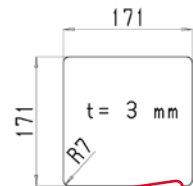
KCE 200



Front plate

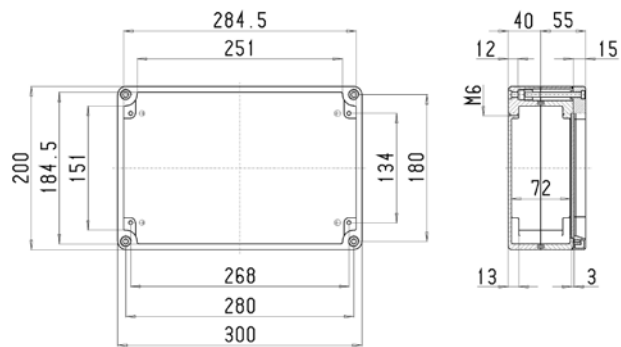
Assignment space

163 x 163 mm

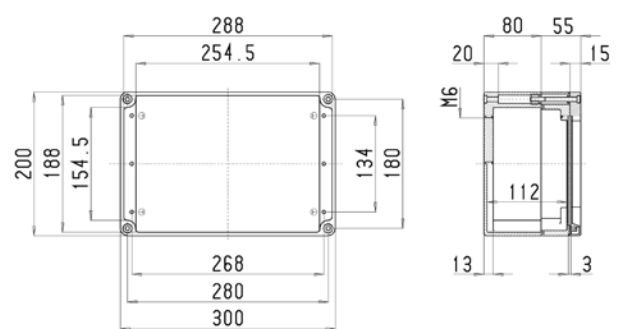


also for types
KVF/KVE 200

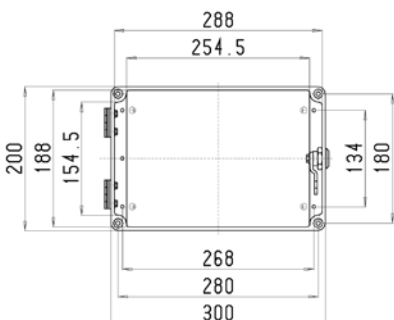
KVF 202



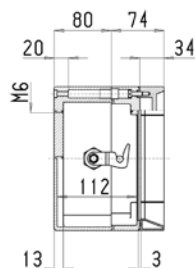
KVE 202



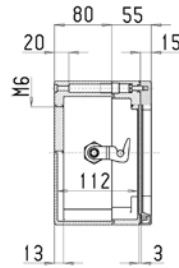
KSE/KCE 202



KSE 202



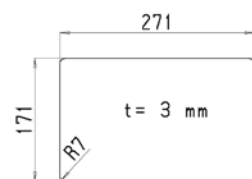
KCE 202



Front plate

Assignment space

163 x 263 mm

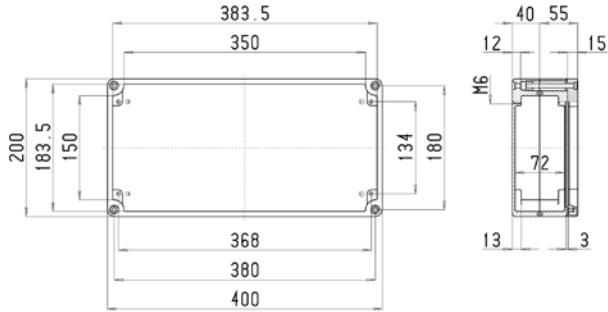


also for types
KVF/KVE 202

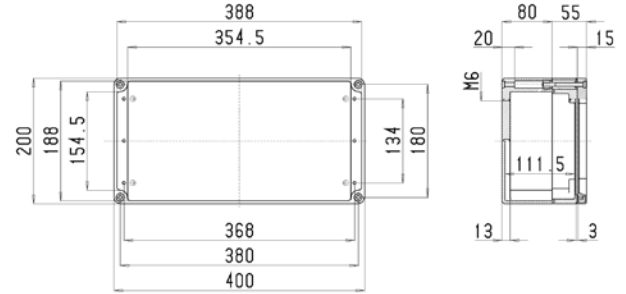
ROLEC Attachment and mounting dimensions

aluFACE

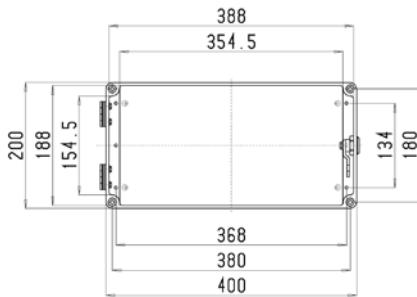
KVF 204



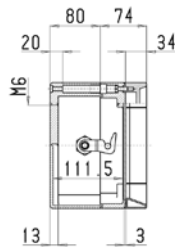
KVE 204



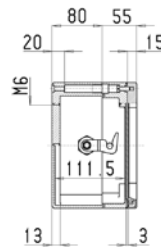
KSE/KCE 204



KSE 204



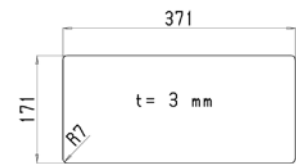
KCE 204



Front plate

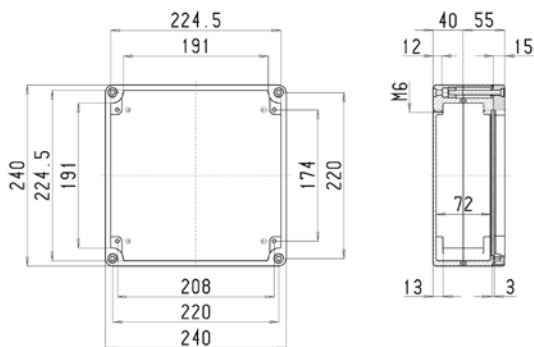
Assignment space

163 x 363 mm

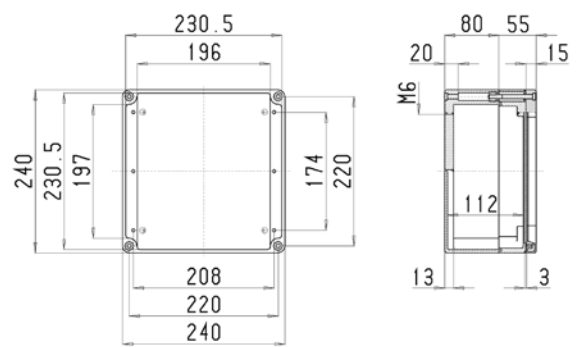


also for types
KVF/KVE 204

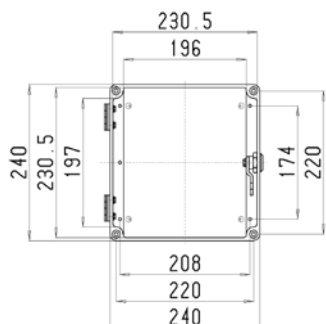
KVF 240



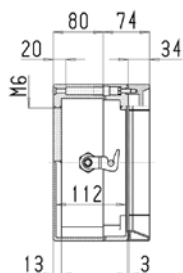
KVE 240



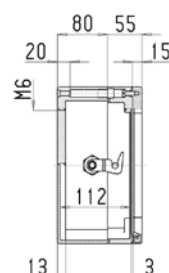
KSE/KCE 240



KSE 240



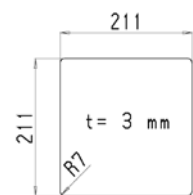
KCE 240



Front plate

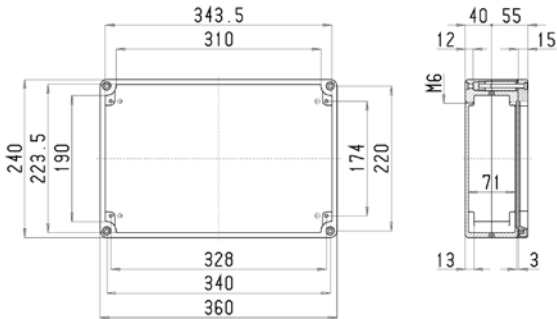
Assignment space

203 x 203 mm

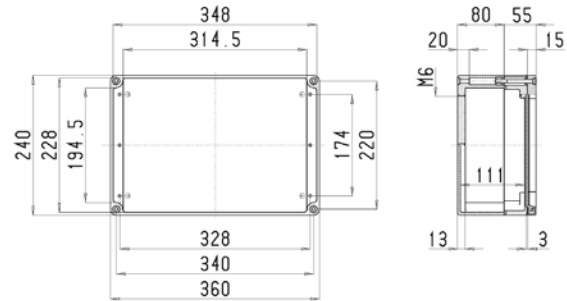


also for types
KVF/KVE 240

KVF 242



KVE 242



KSE/KCE 242

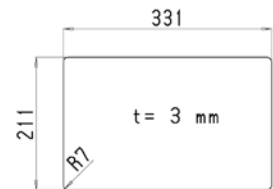
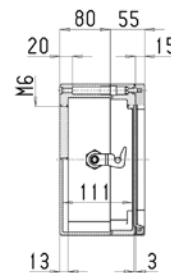
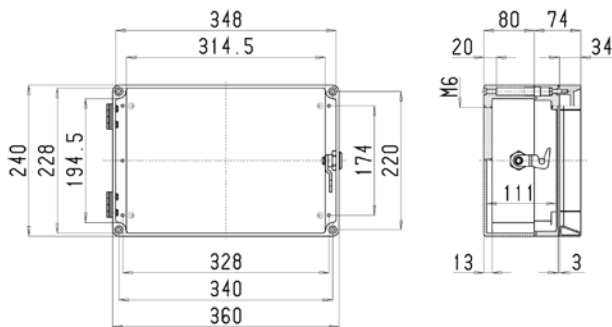
KSE 242

KCE 242

Front plate

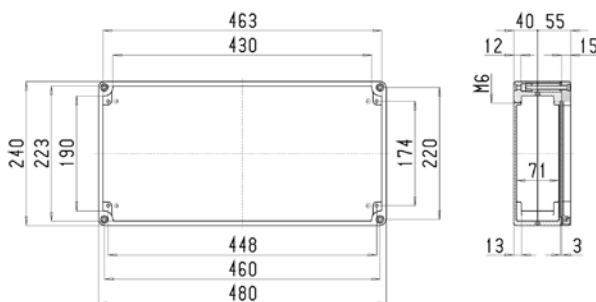
Assignment space

203 x 323 mm

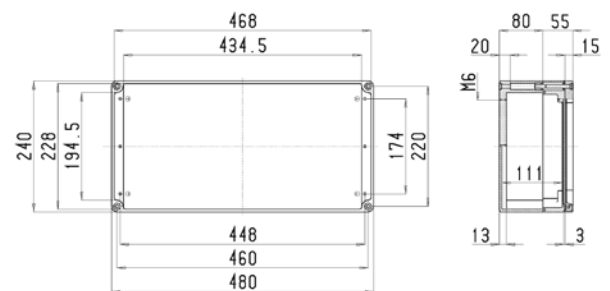


also for types
KVF/KVE 242

KVF 244



KVE 244



KSE/KCE 244

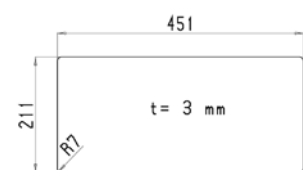
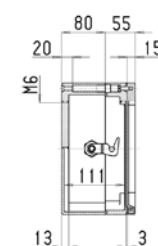
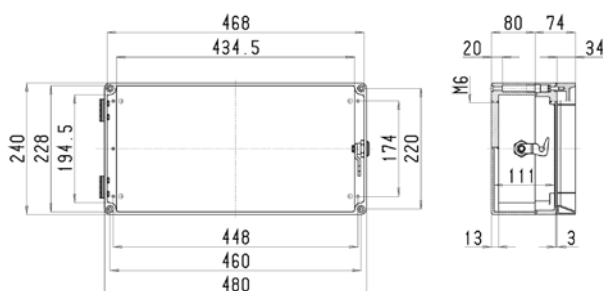
KSE 244

KCE 244

Front plate

Assignment space

203 x 443 mm

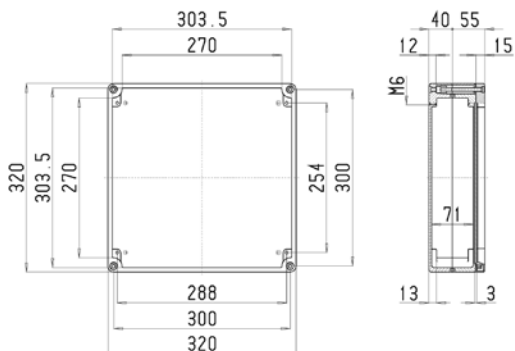


also for types
KVF/KVE 244

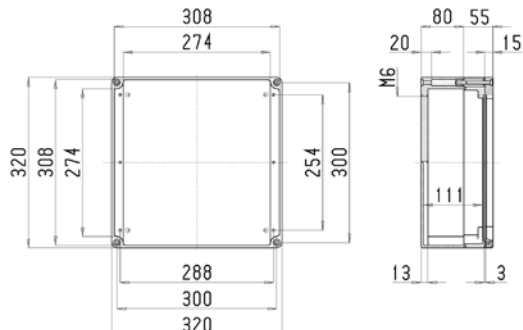
ROLEC Attachment and mounting dimensions

aluFACE

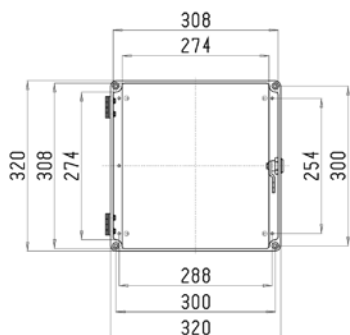
KVF 320



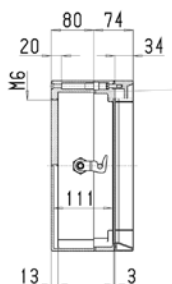
KVE 320



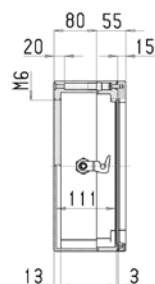
KSE/KCE 320



KSE 320



KCE 320



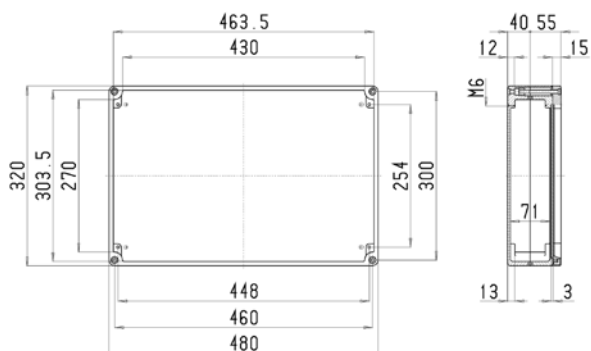
Front plate

Assignment space 283 x 283 mm

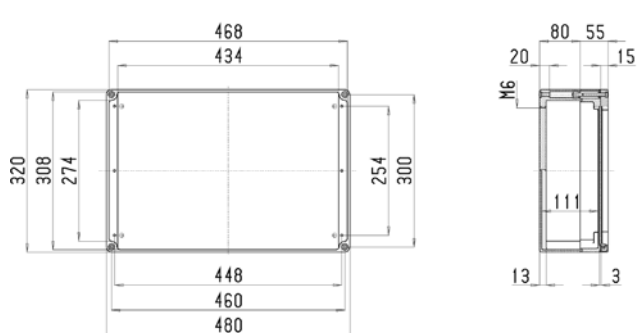


also for types
KVF/KVE 320

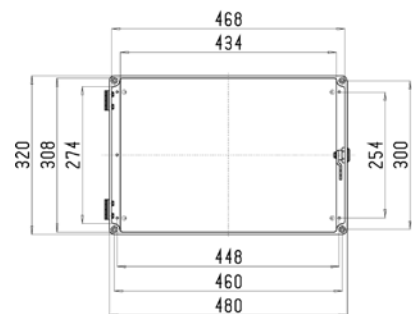
KVF 322



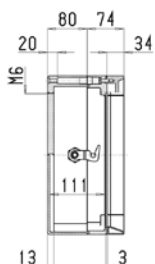
KVE 322



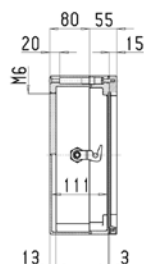
KSE/KCE 322



KSE 322

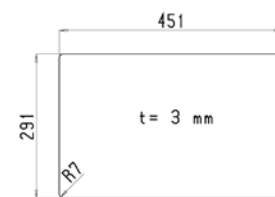


KCE 322



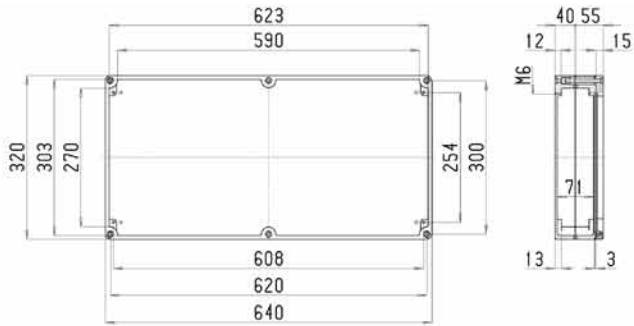
Front plate

Assignment space 283 x 443 mm

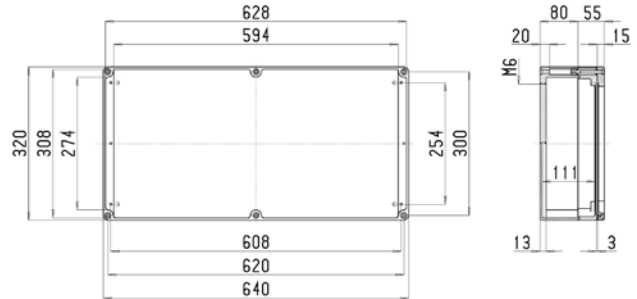


also for types
KVF/KVE 322

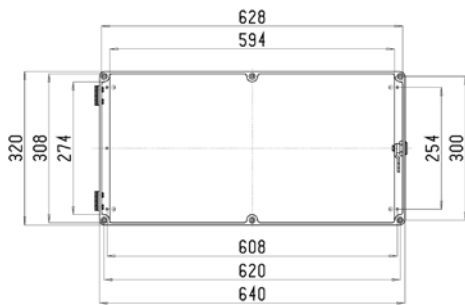
KVF 324



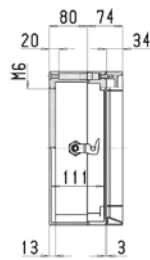
KVE 324



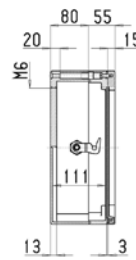
KSE/KCE 324



KSE 324



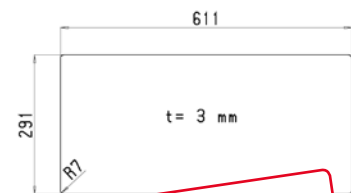
KCE 324



Front plate

Assignment space

283 x 603 mm



also for types
KVF/KVE 324



Our *passion* is enclosures.



topVISION

Ergonomic command enclosures
Sheet steel body with aluminium front frame

Technical data

topVISION



Enclosure: Sheet steel, pre-galvanised

Front frame: Corner pieces die-cast zinc, (Zn Al 4 Cu 1) aluminium profile, (Al Mg Si 0.5)

Assembly option: Fastening thread M5

Front plate: Aluminium 3mm, Al Mg 1, silver anodised

Ingress protection: IP54 / EN 60529

Gasket: Profile gasket U-shape (EPDM) (-40°C to +90°C)

Closure: Lock and hinge, narrow side (side W)

Front frame surface: Powder coating RAL 7040, window grey

Enclosure surface: Powder coating RAL 7035, light grey

Optionally available:

Fastening: Suspension system taraPLUS or Quadro 50-60-80, including reinforcement plate

Mounting plates: Sheet steel, galvanised

Handle system: Steel tube, powder coated, RAL 3020, traffic red, RAL 9005, deep black

Closure: Lock and hinge, long side (side L)

Surface: Corrosion protection, special colours

Further options, see delivery overview.



Delivery overview topVISION

Type	Mat. no.	L	W	H	g	M	S	DV	W	X	Y	Z	I
TV 202	150.202.000	300	200	201	5.260	●	□	□	●	●	●	●	●
TV 204	150.204.000	400	200	201	6.170	●	□	□	●	●	●	●	●
TV 240	150.240.000	240	240	201	5.040	●	□	□	●	●	●	●	●
TV 242	150.242.000	360	240	201	6.310	●	□	□	●	●	●	●	●
TV 244	150.244.000	480	240	201	7.600	●	□	□	●	●	●	●	●
TV 320	150.320.000	320	320	201	6.340	●	□	□	●	●	●	●	●
TV 322	150.322.000	480	320	201	8.820	●	□	□	●	●	●	●	●
TV 324	150.324.000	640	320	201	10.830	●	□	□	●	●	●	●	●
TV 400	150.400.000	400	400	251	10.830	●	□	□	●	●	●	●	●
TV 402	150.402.000	600	400	251	13.100	●	□	□	●	●	●	●	●

□ Standard ● Available ○ Not available

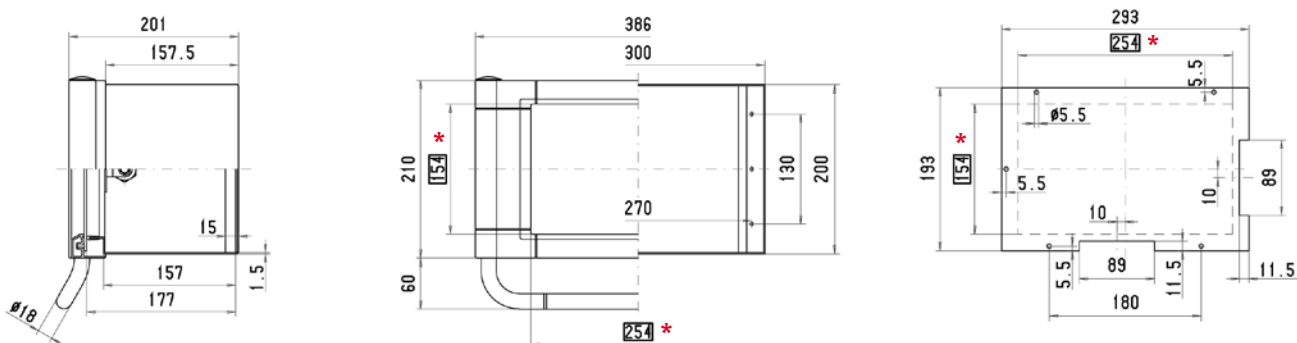
Approvals:



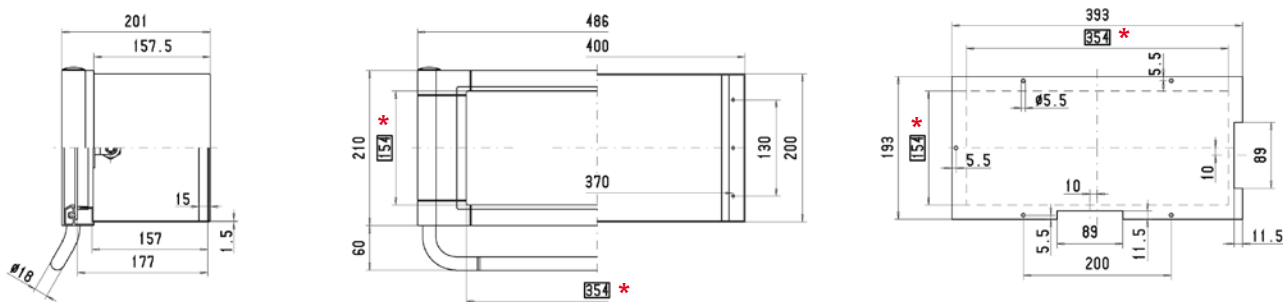
ROLEC Attachment and Mounting dimensions

topVISION

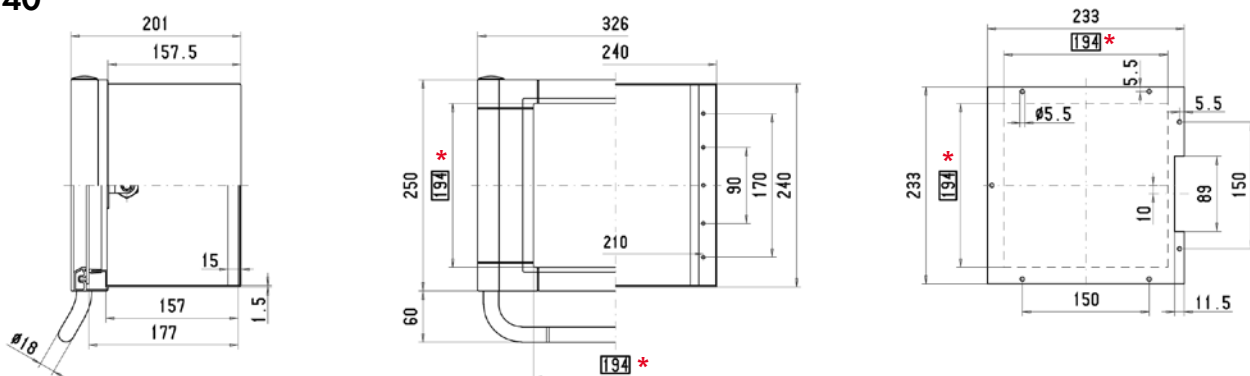
TV 202



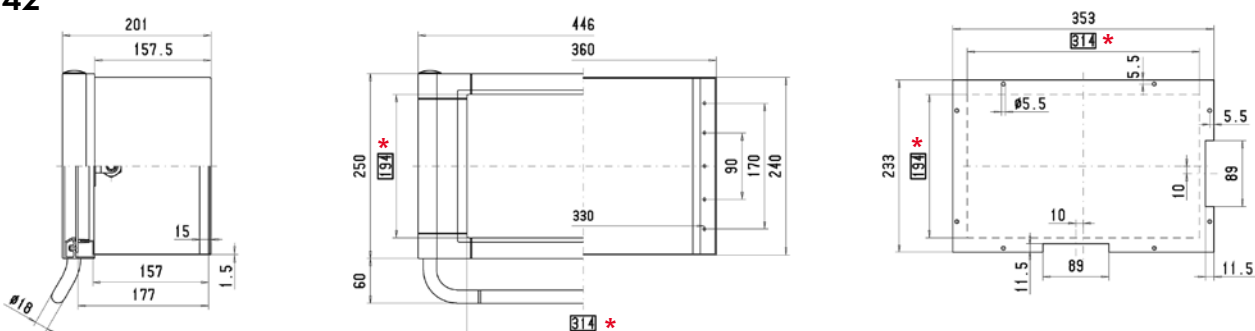
TV 204



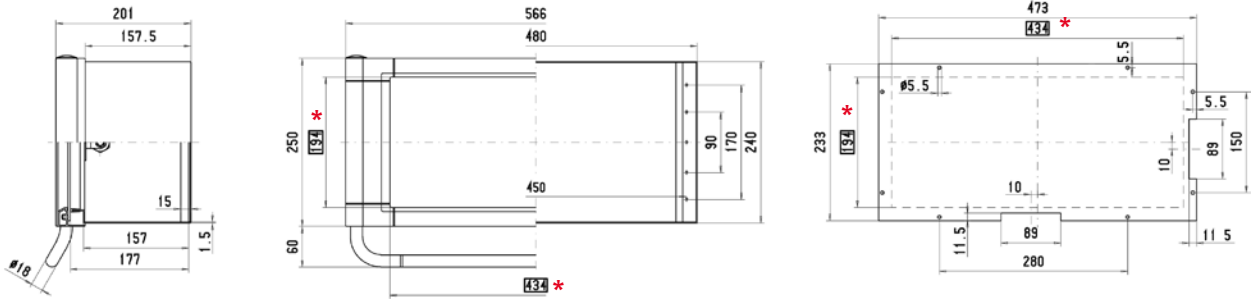
TV 240



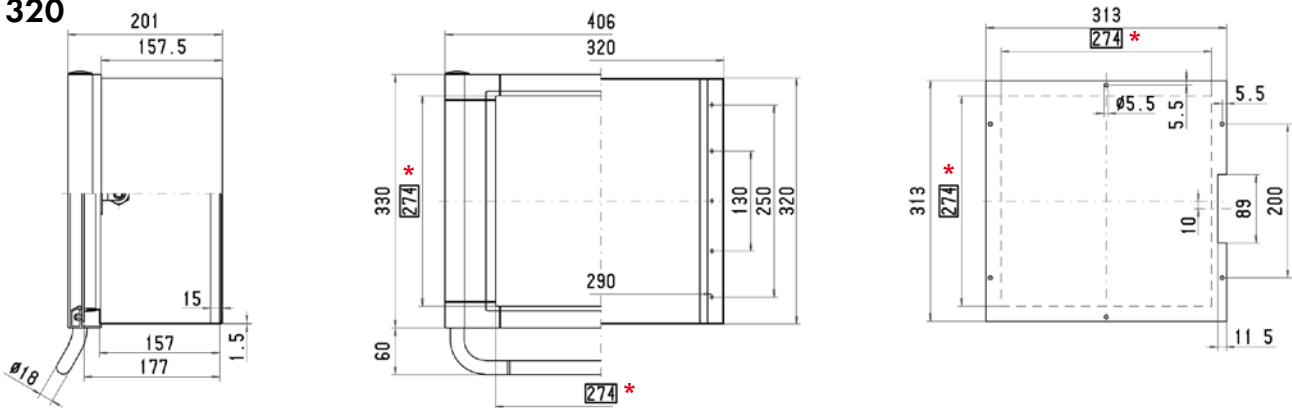
TV 242



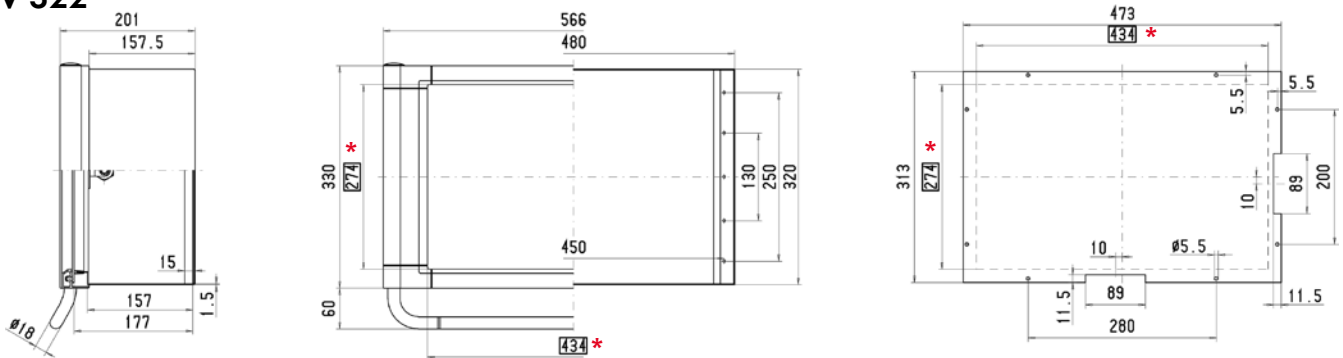
TV 244



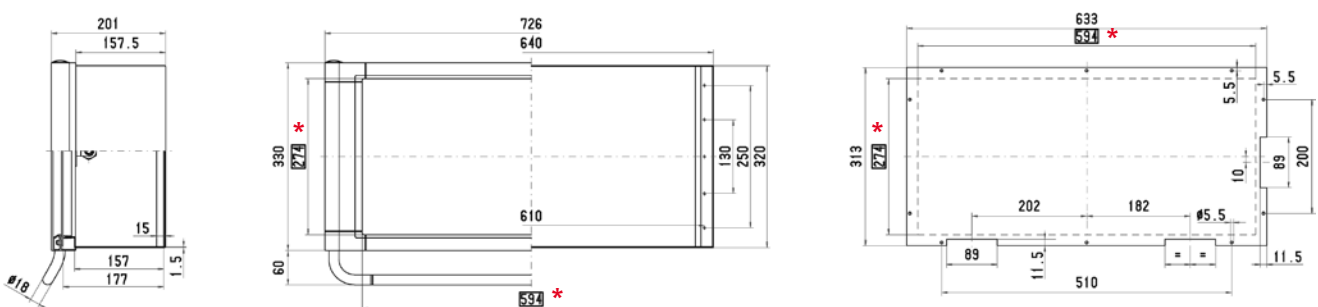
TV 320



TV 322



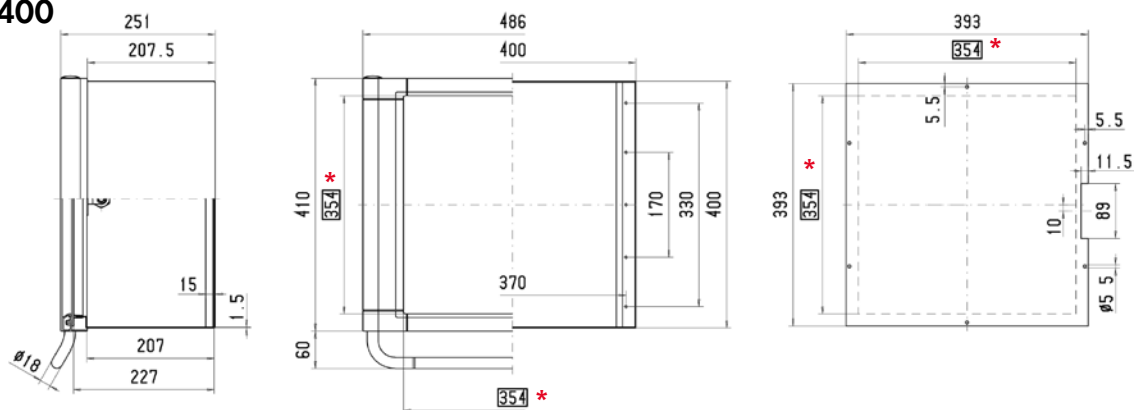
TV 324



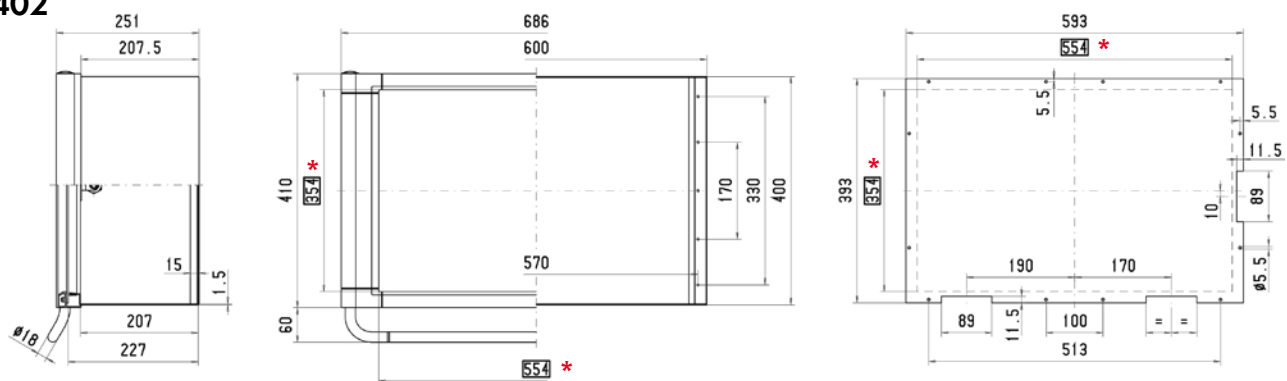
ROLEC Attachment and Mounting dimensions

topVISION

TV 400



TV 402



* **554** Dimensions in frame > visible front surface



Our *passion* is enclosures.



staKOM

Command enclosures
Sheet steel body with aluminium front frame

Technical data

staKOM



Enclosure: Sheet steel, pre-galvanised

Front frame: Corner pieces die-cast zinc, (Zn Al 4 Cu 1) aluminium profile, (Al Mg Si 0.5)

Mounting option: Fastening thread M5

Front plate: Aluminium 3mm, Al Mg 1, silver anodised

Ingress protection: IP54 / EN 60529

Gasket: Profile gasket U-shape (EPDM) (-40°C to +90°C)

Closure: Lock and hinge, narrow side (side W)

Front frame surface: Powder coating RAL 7016, anthracite grey

Enclosure surface: Powder coating RAL 7035, light grey

Optionally available:

Fastening: Suspension system taraPLUS or Quadro 50-60-80, including strengthening plate

Mounting plates: Sheet steel, galvanised

Handle system: Steel tube, powder coated, RAL 3020, traffic red, RAL 9005, deep black

Closure: Lock and hinge, long side (side L)

Surface: Corrosion protection, special colours

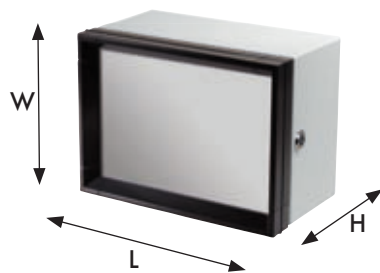
Further options, see delivery overview.

Delivery overview staKOM

Type	Mat. no.	L	W	H	g	S	DV	W	X	Y	Z	I
SK 242	160.242.000	360	240	201	6.310	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SK 244	160.244.000	480	240	201	7.600	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SK 320	160.320.000	320	320	201	6.340	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SK 322	160.322.000	480	320	201	8.820	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SK 400	160.400.000	400	400	251	10.830	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SK 402	160.402.000	600	400	251	13.100	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Standard Available Not available

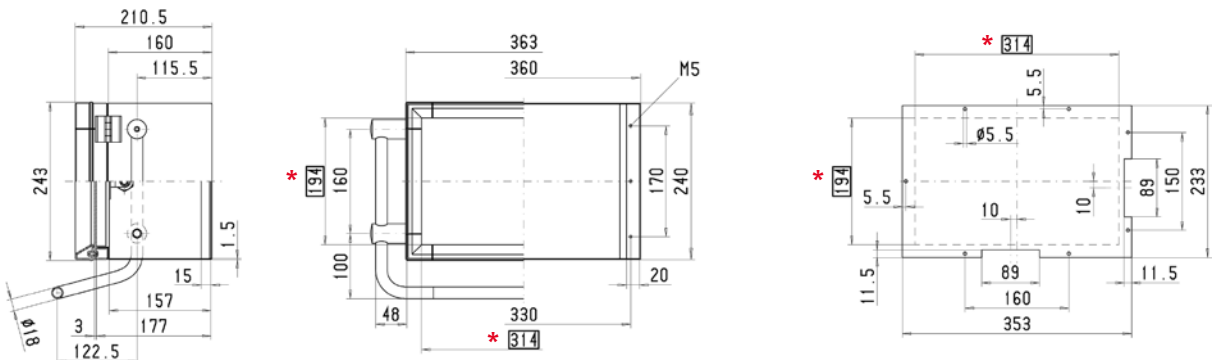
Approvals:



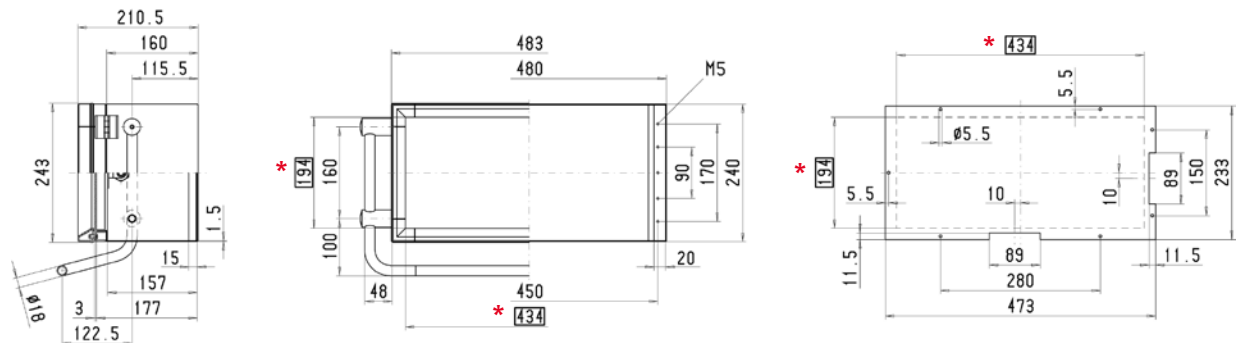
ROLEC Attachment and Mounting dimensions

staKOM

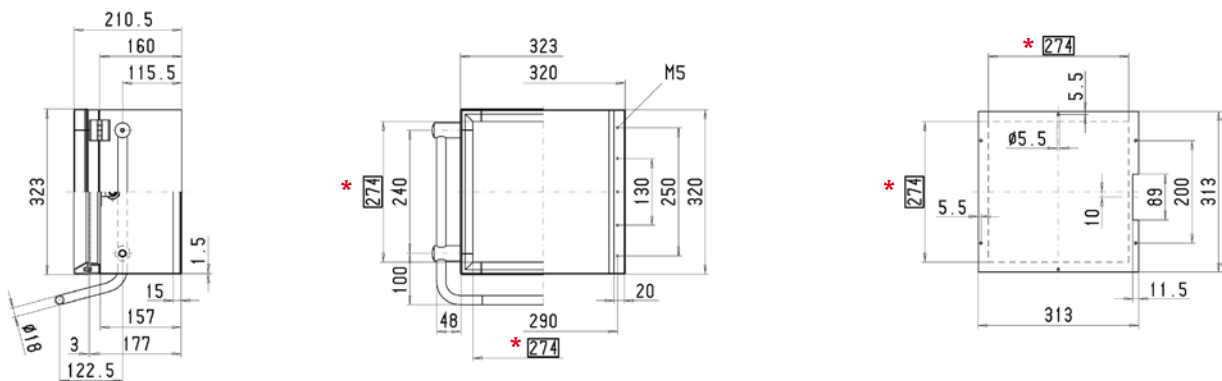
SK 242



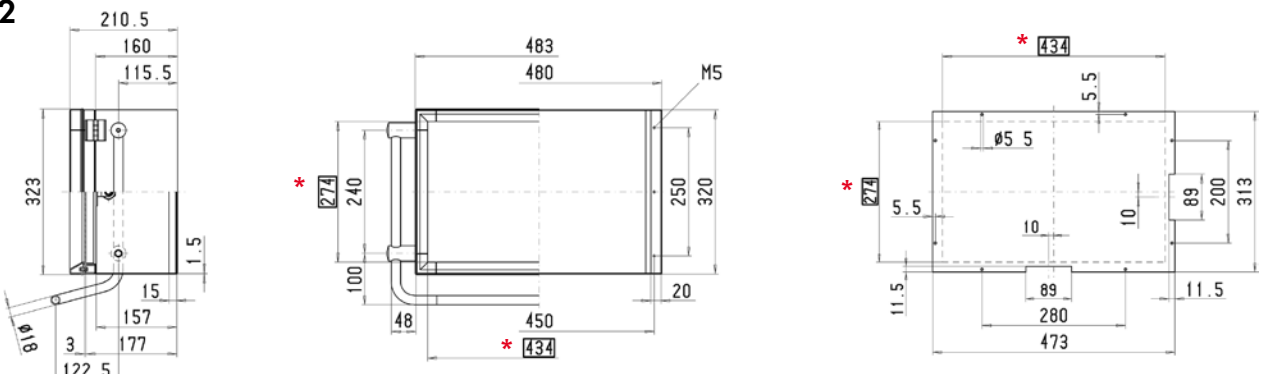
SK 244



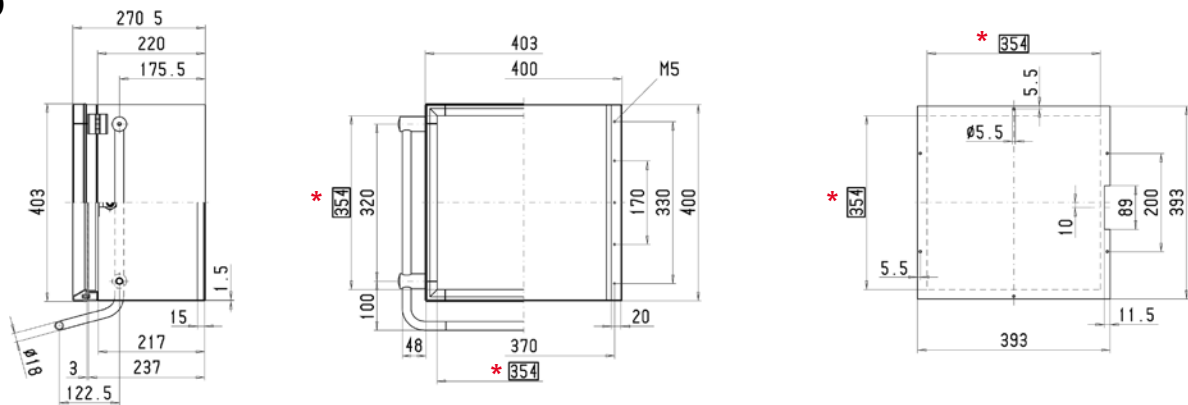
SK 320



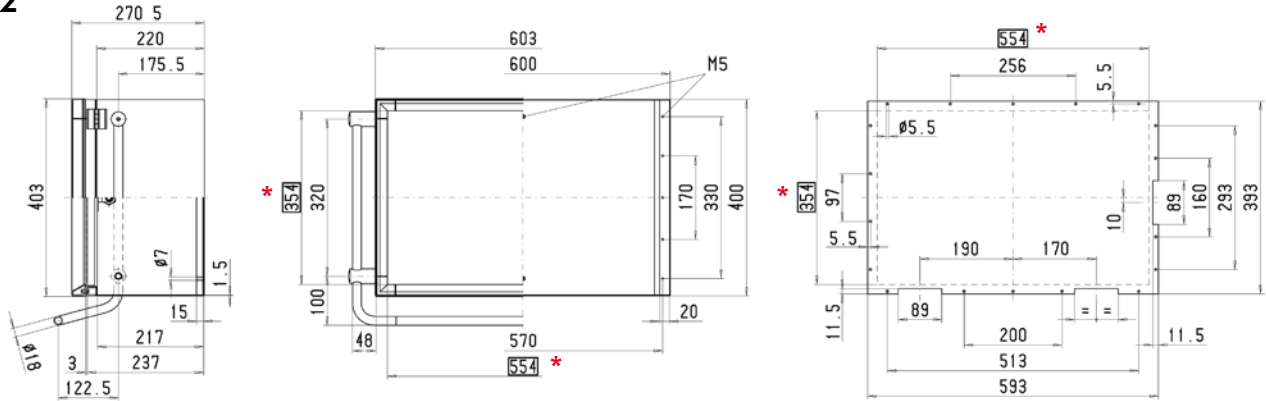
SK 322



SK 400



SK 402



* **554** Dimensions in frame > visible front surface



Our *passion* is enclosures.



multiVISION

Variable display and command enclosures made of aluminium profiles

Technical data

multiVISION Kommando



multiVISION Kommando



Handle system RAL 3020,
traffic red



Handle system RAL 9005,
deep black



K1 back panel
with lock and hinge



Combo K3 lock and hinge
(side W)



Optional suspension systems
taraPLUS or QUADRO

Enclosure: Aluminium profile, (Al Mg Si 0.5) corner pieces (Al Si 12)

Door: Aluminium profile, (Al Mg Si 0.5) corner pieces (Al Si 12)

Mounting option: Slide-in contour for spring nuts M4/M5

Front plate: Aluminium 3mm, Al Mg 1, silver anodised

Ingress protection: IP65 / EN 60529

Enclosure gasket: Chloroprene (CR) profile gasket (-30°C to +90°C)

Front plate gasket: Chloroprene (CR) gasket (-30°C to +90°C)

Closure: Lock and hinge, narrow side (side W)

Door surface: Powder coating, RAL 7040, window grey

Enclosure surface: Powder coating, RAL 7040, window grey

Optionally available:

Fastening: Support system taraPLUS or Quadro 50-60-80

External Mounting: GD-Zn Al 4 Cu 1 / DIN EN 12844

Handle system: Steel tube, powder coated
RAL 3020, traffic red
RAL 9005, deep black

Closure: Lock and hinge, long side (side L)

Surface: Special colours

Further options, see delivery overview.



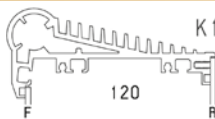
Delivery overview multiVISION Kommando									
Type	Profile	M	I	DV	W	X	Y	Z	RS
MVK 01	K1	●	●	□	●	●	●	●	●
MVK 02	K2	●	●	□	●	●	●	●	○
MVK 03	K3	●	●	□	●	●	●	●	○
MVK 04	K4	●	●	□	●	●	●	●	○

□ Standard ● Available ○ Not available

MVK W x H* x K**
ORDER EXAMPLE MVK 450* x 350* x K3**+M+I

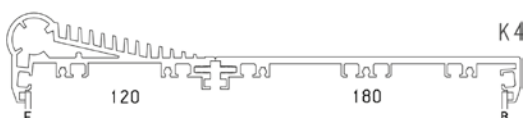
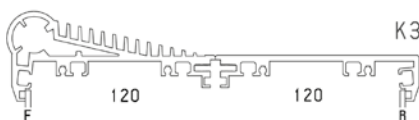
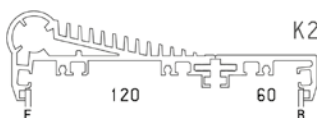
*Dimensions in mm - option 200 - 800 mm **Combination of profiles

Approvals:



Profile combinations

F = Front plate
R = Rear wall



Technical data

multiVISION Display



multiVISION display,
single-part profile D2



Handle system
RAL 3020, traffic red



Handle system
RAL 9005, deep black



D2 back panel with
lock and hinge



Combo D4 lock and hinge
(side W)



Optional suspension systems
taraPLUS or QUADRO

Enclosure: Aluminium profile, (Al Mg Si 0.5) corner pieces (Al Si 12)

Door: Aluminium profile, (Al Mg Si 0.5) corner pieces (Al Si 12)

Mounting option: Slide-in contour for spring nuts M4/M5

Front plate: Aluminium 3mm, Al Mg 1, silver anodised

Ingress protection: IP65 / EN 60529

Enclosure gasket: Chloroprene (CR) profile gasket (-30°C to +90°C)

Front plate gasket: Chloroprene (CR) gasket (-30°C to +90°C)

Closure: Lock and hinge, narrow side (side W)

Door surface: Powder coating, RAL 7040, window grey

Enclosure surface: Powder coating, RAL 7040, window grey

Optionally available:

Fastening: Support system taraPLUS or Quadro 50-60-80

External Mounting: GD-Zn Al 4 Cu 1 / DIN EN 12844

Handle system: Steel tube, powder coated
RAL 3020, traffic red
RAL 9005, deep black

Closure: Lock and hinge, long side (side L)

Surface: Special colours

Further options, see delivery overview.



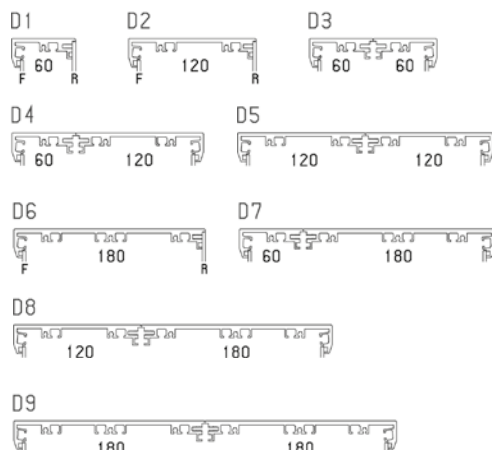
Delivery overview multiVISION Display										
Type	Profile	Dimensions in mm	M	I	DV	W	X	Y	Z	RS
MVD 01	D1	60	●	●	□	●	●	●	●	●
MVD 02	D2	120	●	●	□	●	●	●	●	●
MVD 02	D3	60/60	●	●	□	●	●	●	●	○
MVD 02	D4	60/120	●	●	□	●	●	●	●	○
MVD 02	D5	120/120	●	●	□	●	●	●	●	○
MVD 06	D6	180	●	●	□	●	●	●	●	●
MVD 07	D7	60/180	●	●	□	●	●	●	●	○
MVD 08	D8	120/180	●	●	□	●	●	●	●	○
MVD 09	D9	180/180	●	●	□	●	●	●	●	○

□ Standard ● Available ○ Not available

MVD W x H* x D**
ORDER EXAMPLE MVD 550 x 450* x D3** + M + I

*Dimensions in mm - option 200 - 800 mm **Combination of profiles

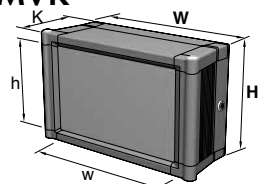
Approvals:



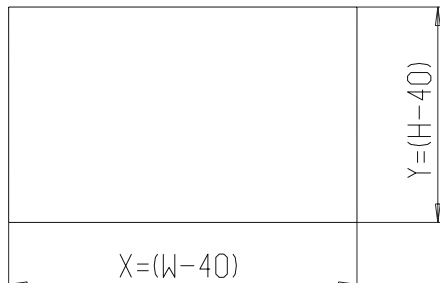
ROLEC Attachment and mounting dimensions

multiVISION Kommando + Display

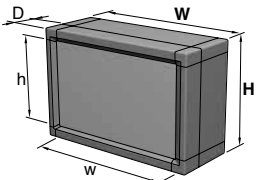
MVK



Front plate

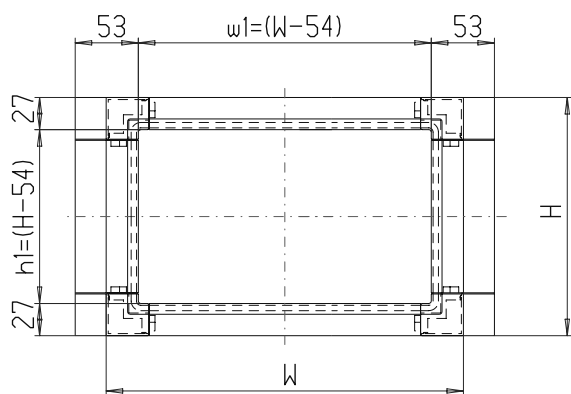


MVD

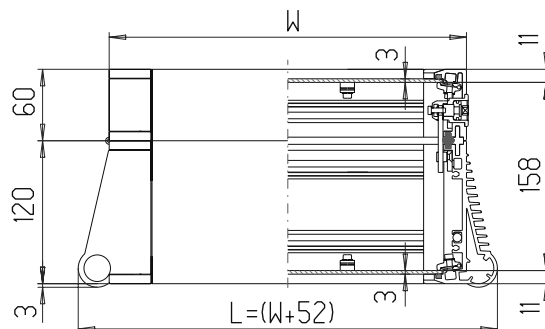


- W = Nominal dimension (external dimension, width)
- H = Nominal dimension (external dimension, height)
- w = Free assembly dimension width (W-54)
- h = Free assembly dimension height (H-54)
- L = Front width (only MVK) (W+52)
- X = Front plate width (W-40)
- Y = Front plate height (H-40)
- Hinges: Side H

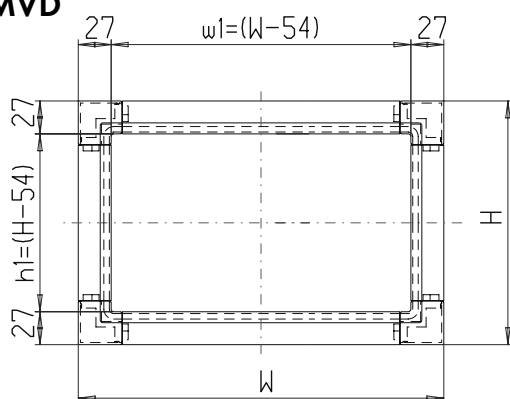
MVK



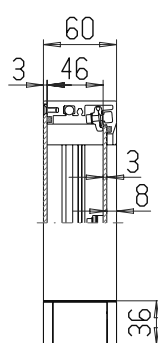
K2



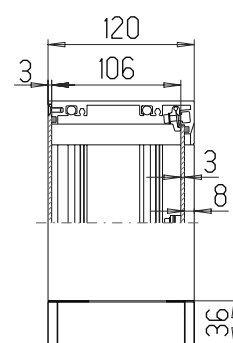
MVD



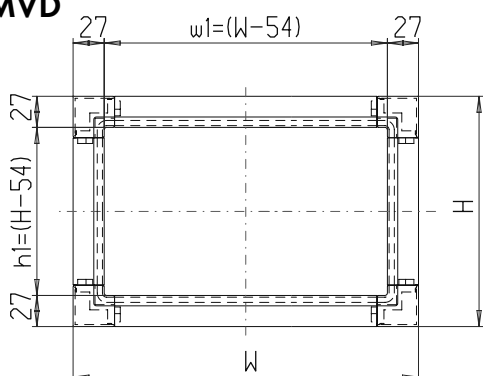
D1



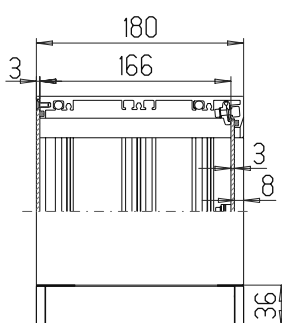
D2



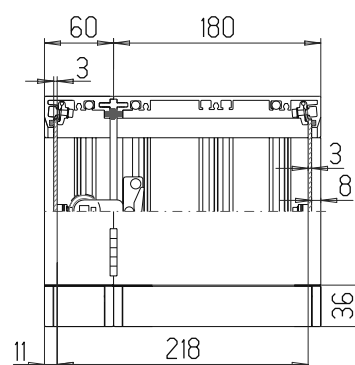
MVD



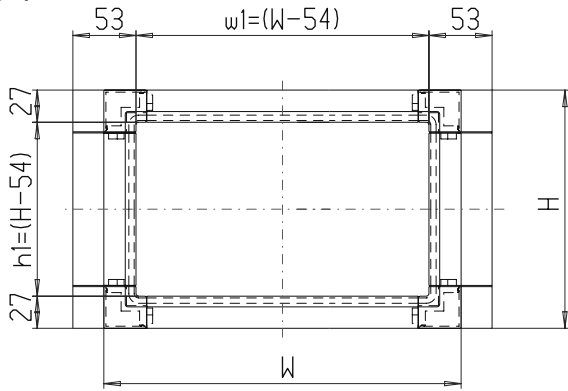
D6



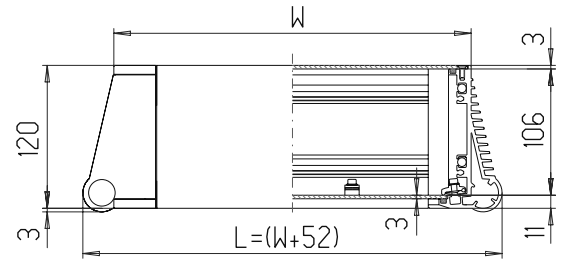
D7



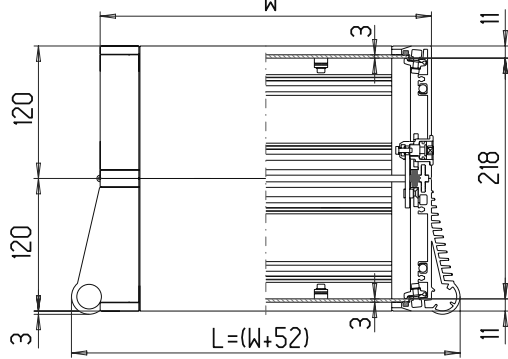
MVK



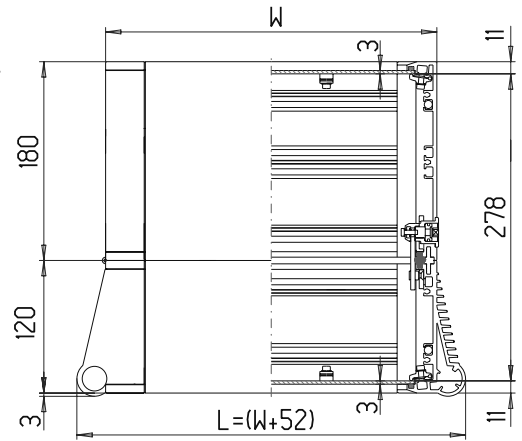
K1



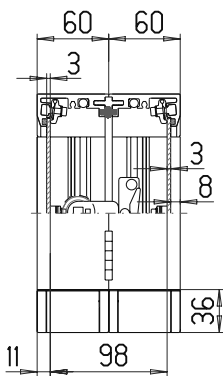
K3



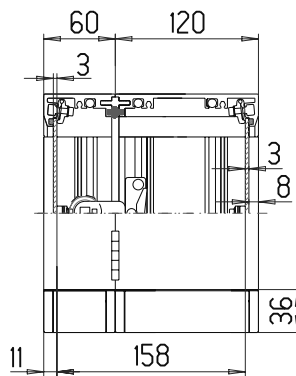
K4



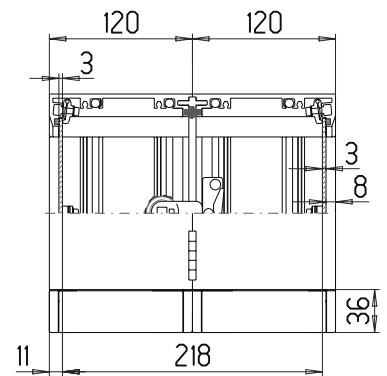
D3



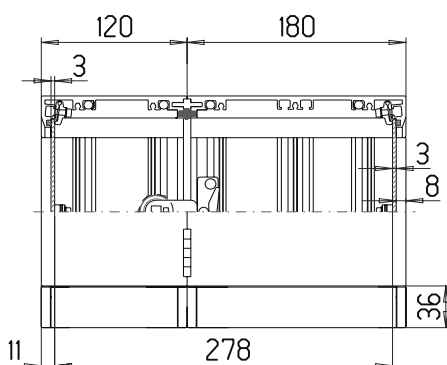
D4



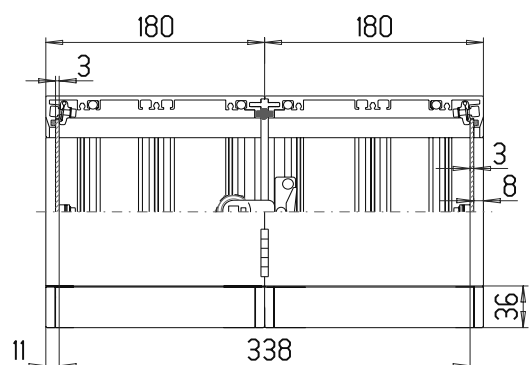
D5



D8

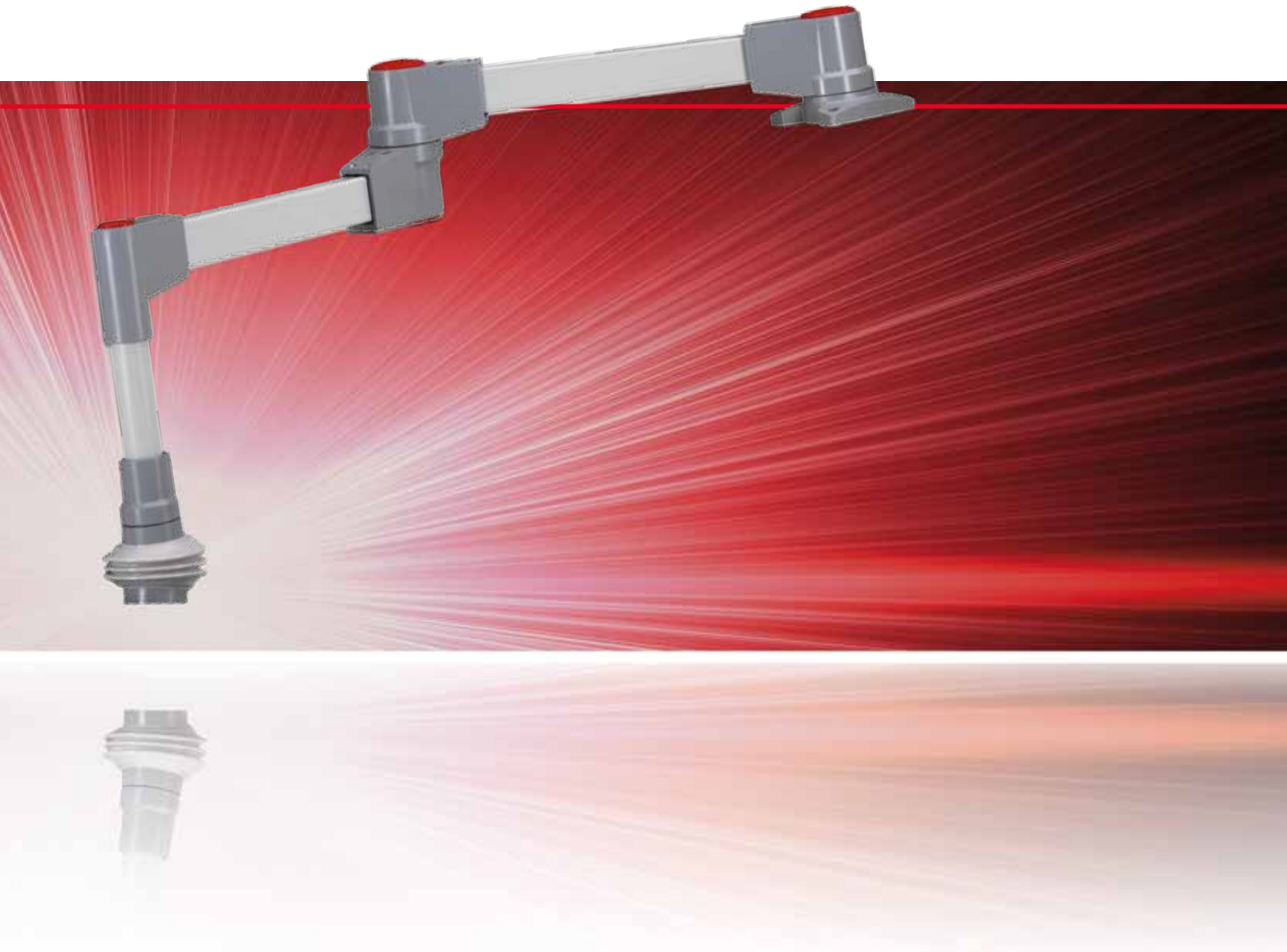


D9





Our *passion* is enclosures.

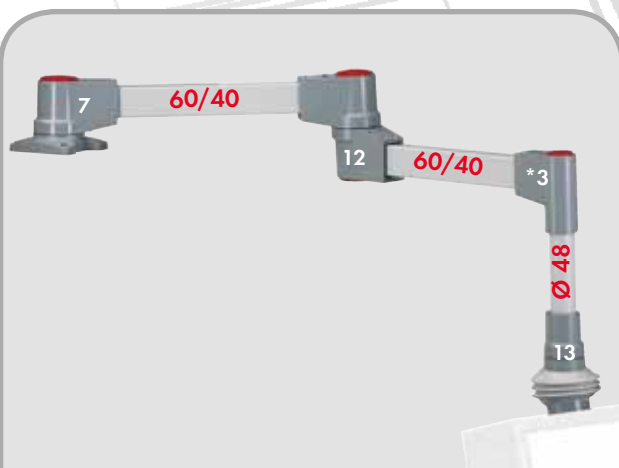


taraPLUS

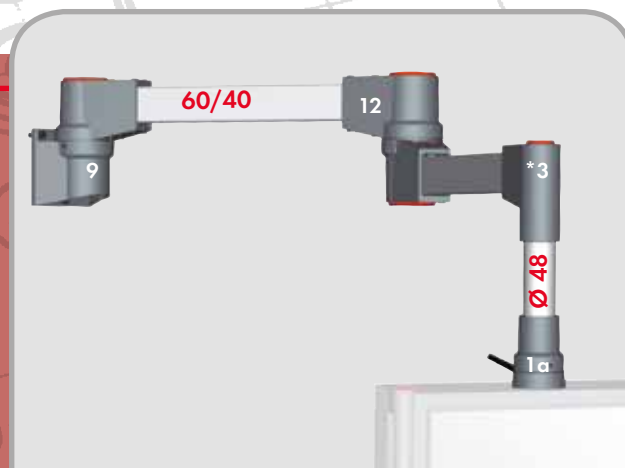
Variable suspension systems

Technical data

taraPLUS



taraPLUS socket joint, intermediate joint,
elbow 48, inclination rotary coupling



taraPLUS wall joint, intermediate joint,
elbow 48, rotary coupling



taraPLUS base 70 socket joint, elbow 48,
inclination rotary coupling



taraPLUS base 48, inclination rotary coupling

Material system elements:
Aluminium cast alloy (Al Si 12)

Material tubes: Steel, drawn

Tubes:
Round Ø 48mm
Round Ø 70mm
Rectangular 60/40mm
Square 50mm

Bellows: RAL 7035, light grey

Ring tapping screws: Steel, galvanised

Type of protection: IP54 / EN 60529

System element surface: Powder coating RAL 7040,
window grey

Tube surface: Powder coating RAL 7035, light grey

Optional:

Control enclosure: aluFACE, staKOM, topVISION and multiVISION

Surface: System element special colours
Tube special colours

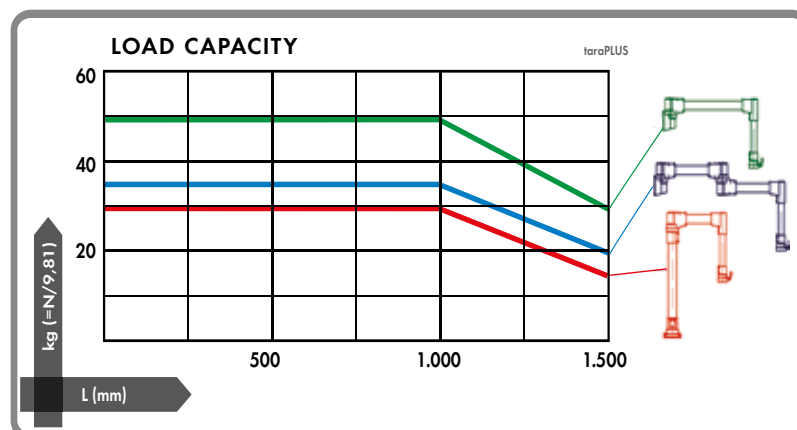
taraPLUS system elements:

	RAL 7040 ROLEC Mat. no.	RAL 7031 BECKHOFF Mat. no.	Baseard type	g	
1	149.025.501	1	149.025.511	Rotary coupling, standing	480
1a	149.025.500	1a	149.025.510	Rotary coupling, hanging	480
2	149.035.000	2	149.035.010	Elbow rotary coupling	1.100
*3	149.020.000	*3	149.020.010	Elbow 48	800
4	149.020.001	4	149.020.011	Elbow 70	1.800
5	149.030.000	5	149.030.010	Base 48	700
6	149.030.001	6	149.030.011	Base 70	1.150
7	149.005.000	7	149.005.010	Socket joint	2.450
8	149.005.001	8	149.005.011	Socket joint vertical	1.700
9	149.010.000	9	149.010.010	Wall joint	2.750
10	149.010.001	10	149.010.011	Wall joint vertical	2.000
11	149.040.000	11	149.040.010	Tube rotation joint	2.300
12	149.015.000	12	149.015.010	Intermediate joint	3.000
13	149.025.001	13	149.025.011	Inclination rotary coupling	1.350
14	149.035.001	14	149.035.011	Inclination elbow rotary coupling	1.800
15	149.025.002	15	149.025.012	Console rotary coupling	1.050
16	149.025.003	16	149.025.013	Console inclination rotary coupling	2.150
17	149.025.004	17	149.025.014	Console inclination rotary coupling, hanging	2.150
18	149.035.002	18	149.035.012	Console elbow coupling	1.500
19	149.035.003	19	149.035.013	Console inclination elbow rotary coupling	2.600
20	149.035.005	20	149.035.015	Console inclination elbow rotary coupling, hanging	2.600
28	149.045.000	28	149.045.010	Wall inclination coupling	3.500

Figure no. on the following pages

*3 Elbow 48 (Fig3/item 3) only to enclosure connection on horizontal square section tube 60/40 mm!

Approvals:



Technical data

taraPLUS



Round tube $\text{Ø}70/\text{Ø}48$
Rectangular tube 60/40



Special tube $\text{Ø}48$ for Beckhoff PC



Increased stability due to combination
of taraPLUS and QUADRO 50

Material system elements:

Aluminium cast alloy (Al Si 12)
Spheroidal graphite (GGG40)

Material tubes: Steel, drawn

Tubes:

Round $\text{Ø} 48\text{mm}$
Round $\text{Ø} 70\text{mm}$
Rectangular 60/40mm
Square 50mm

Bellows: RAL 7035, light grey

Ring tapping screws: Steel, galvanised

Type of protection: IP54 / EN 60529

System element surface: Powder coating RAL 7040,
window grey

Tube surface: Powder coating RAL 7035, light grey

Optional:

Control enclosure: aluFACE, staKOM, topVISION and multiVISION

Surface:

System element special colours
Tube special colours



taraPLUS system elements:					
RAL 7040 ROLEC Mat. no.		RAL 7031 BECKHOFF Mat. no.		Baseard type	g
27	149.021.000	27	149.021.010	taraPLUS/QUADRO 50 elbow	1.480
RAL 7040 ROLEC Mat. no.		RAL 7031 BECKHOFF Mat. no.		Special type for BECKHOFF-PCs	g
22	146.025.008	22	146.025.011	Rotary coupling (4xM6)	300
23	146.025.024	23	146.025.016	Rotary coupling (4x5.3)	250
24	146.010.114	24	146.010.112	Rear wall adapter	900
25	146.025.009	25	146.025.019	Support arm adapter	500
RAL 7035 ROLEC Mat. no.		RAL 9006 BECKHOFF Mat. no.		Tubes	g
21	144.300.250	*26	144.330.250	Round tube 48 - 0.25 m	900
21	144.300.500	*26	144.330.500	Round tube 48 - 0.50 m	1.800
21	144.300.750	*26	144.330.750	Round tube 48 - 0.75 m	2.700
21	144.301.000	*26	144.331.000	Round tube 48 - 1.00 m	3.600
21	144.320.250	21	144.340.250	Round tube 70 - 0.25 m	1.750
21	144.320.500	21	144.340.500	Round tube 70 - 0.50 m	3.450
21	144.321.000	21	144.341.000	Round tube 70 - 1.00 m	6.900
21	144.321.500	21	144.341.500	Round tube 70 - 1.50 m	10.300
21	144.322.000	21	144.342.000	Round tube 70 - 2.00 m	13.800
21	144.310.500	21	144.350.500	Rectangular tube 60/40 - 0.50 m	2.150
21	144.310.750	21	144.350.750	Rectangular tube 60/40 - 0.75 m	3.200
21	144.311.000	21	144.351.000	Rectangular tube 60/40 - 1.00 m	4.300
21	144.311.500	21	144.351.500	Rectangular tube 60/40 - 1.50 m	6.400

Figure no. on the following pages

*26 Round tube 48 (Fig26/Page 222) BECKHOFF special type

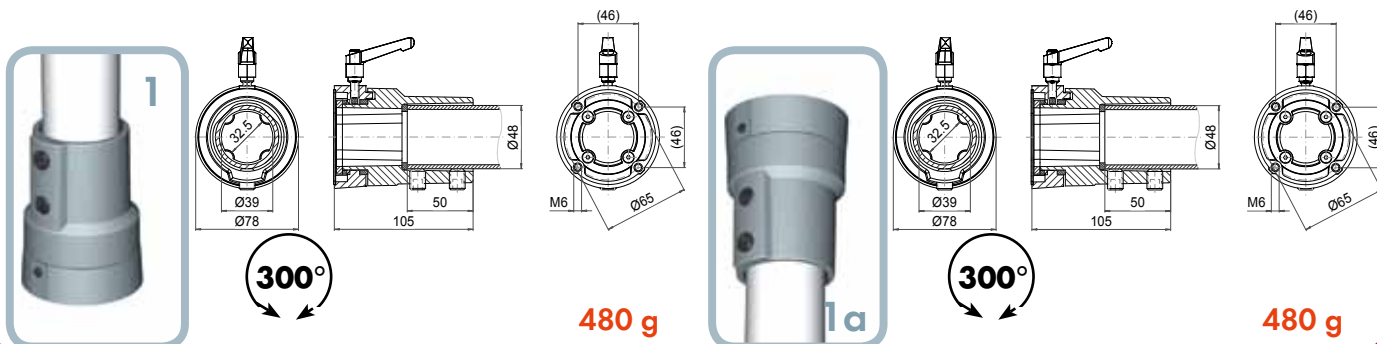
ROLEC Function and dimensions of the system elements

taraPLUS

Rotary coupling

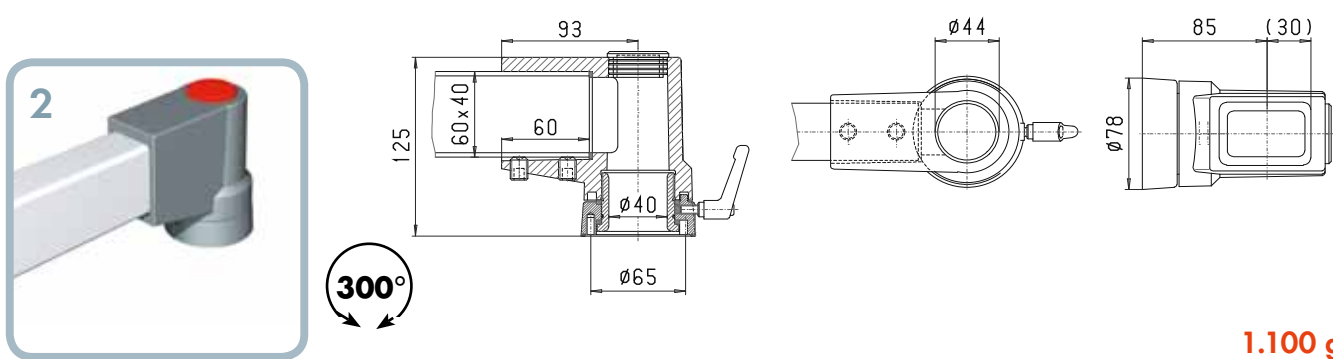
149.025.501

149.025.500



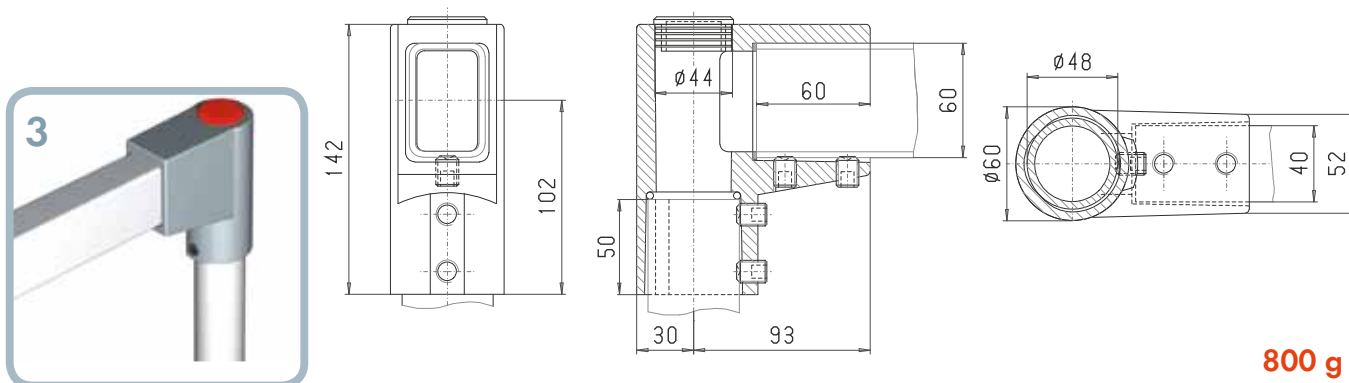
Elbow rotary coupling

149.035.000



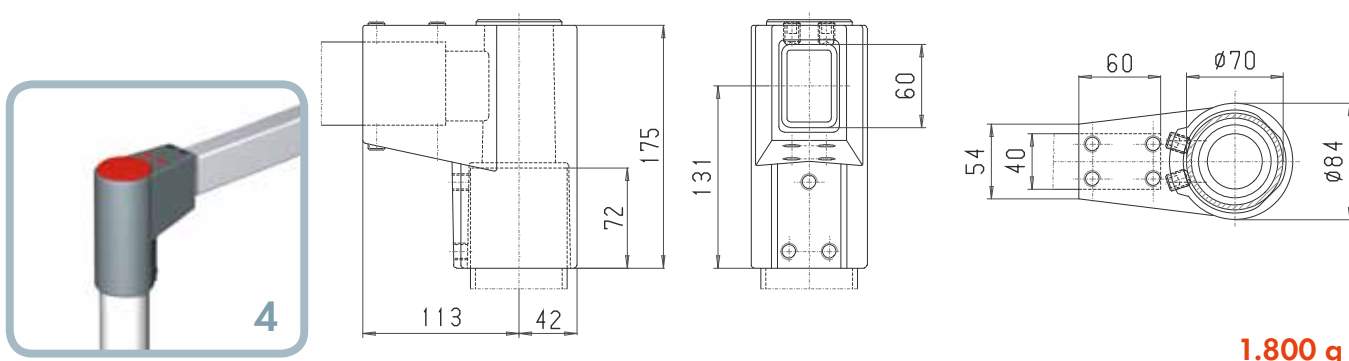
Elbow 48

149.020.000



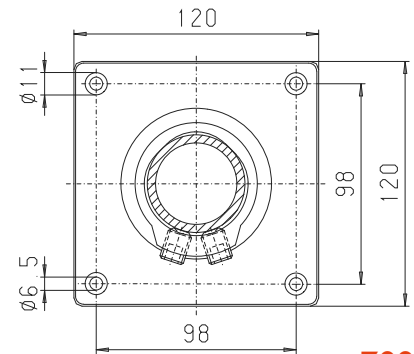
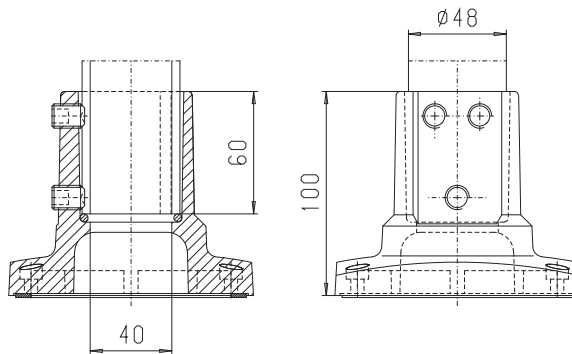
Elbow 70

149.020.001



Base 48

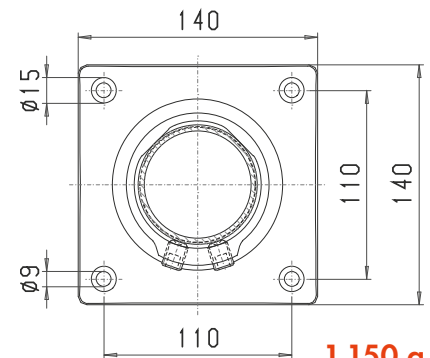
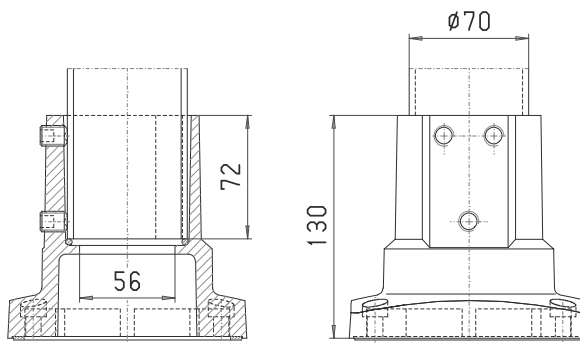
149.030.000



700 g

Base 70

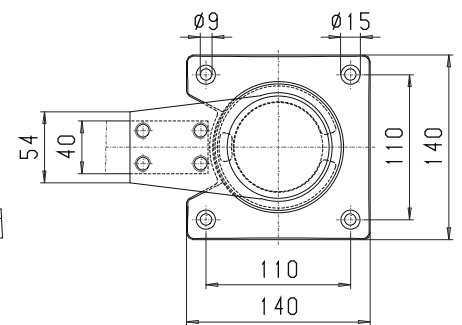
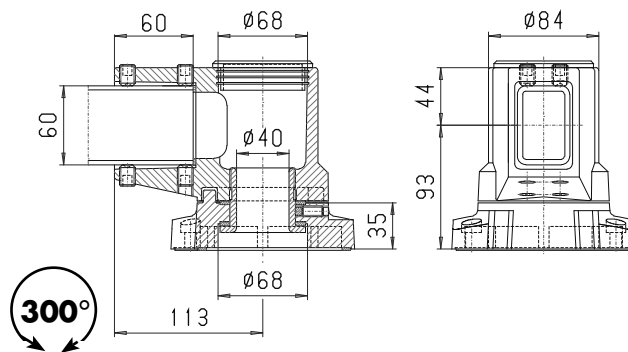
149.030.001



1.150 g

Socket joint

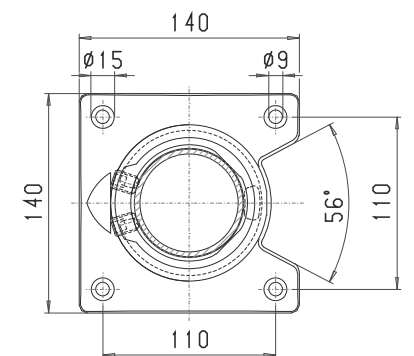
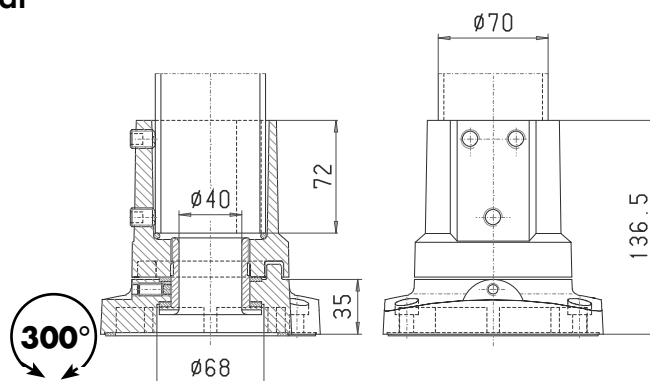
149.005.000



2.450 g

Socket joint vertical

149.005.001

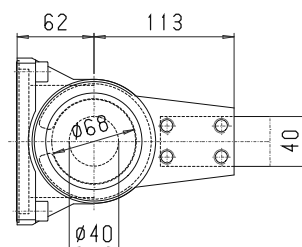
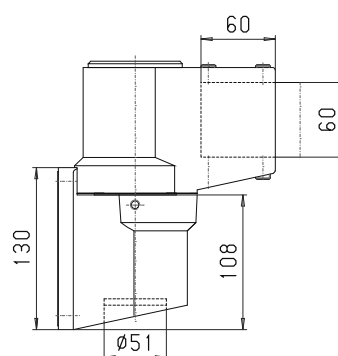
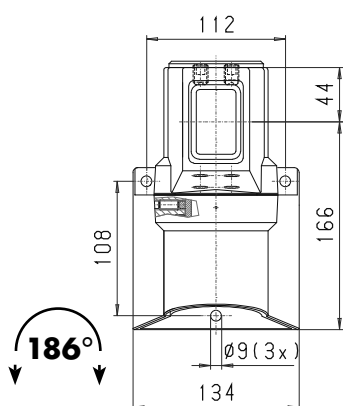
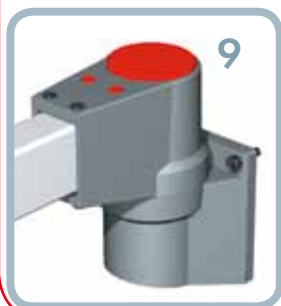


1.700 g

ROLEC Function and dimensions of the system elements

taraPLUS

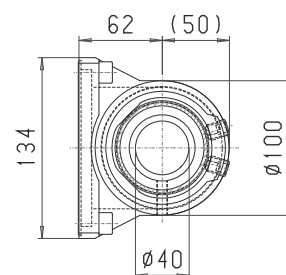
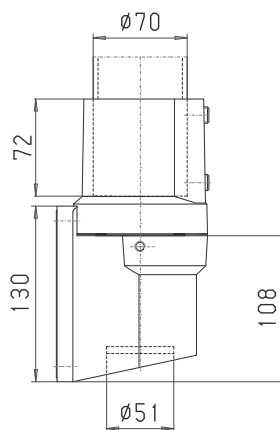
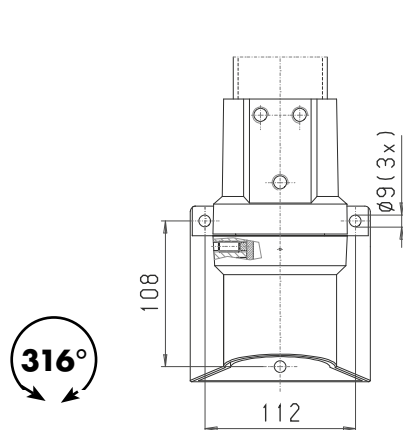
Wall joint



149.010.000

2.750 g

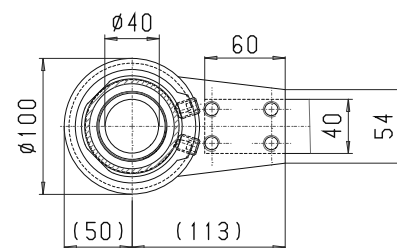
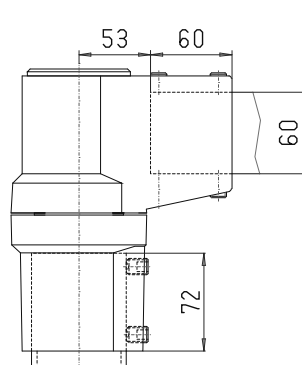
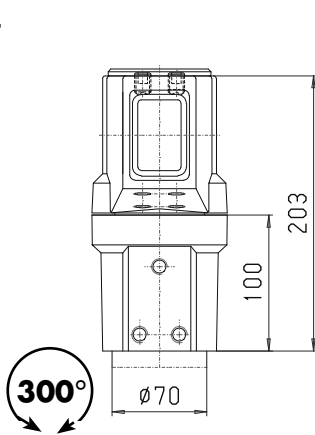
Wall joint vertical



149.010.001

2.000 g

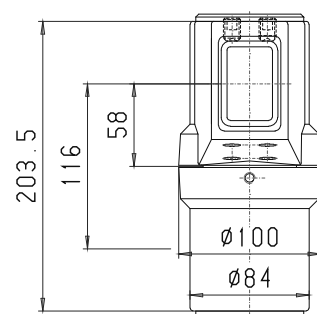
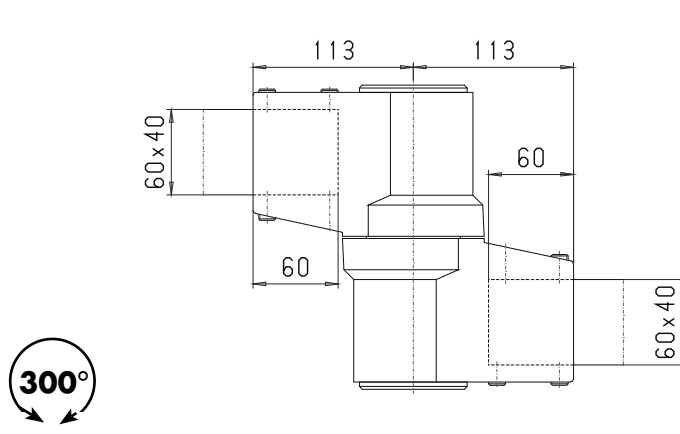
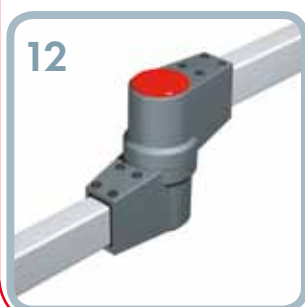
Tube rotation joint



149.040.000

2.300 g

Intermediate joint



149.015.000

3.000 g

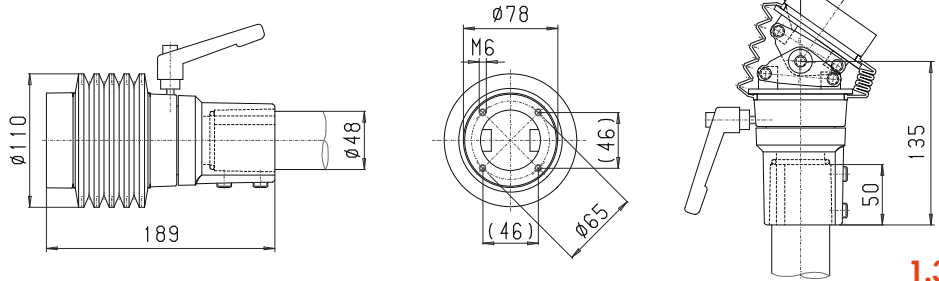
Inclination rotary coupling

149.025.001



13

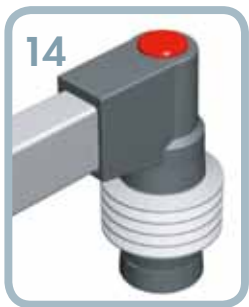
300°



1.350 g

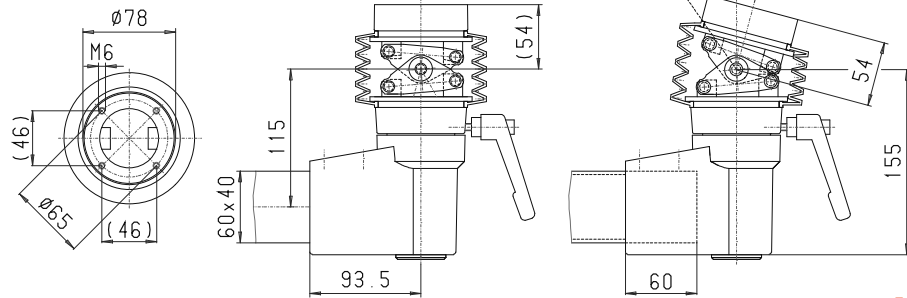
Inclination elbow rotary coupling

149.035.001



14

300°



1.800 g

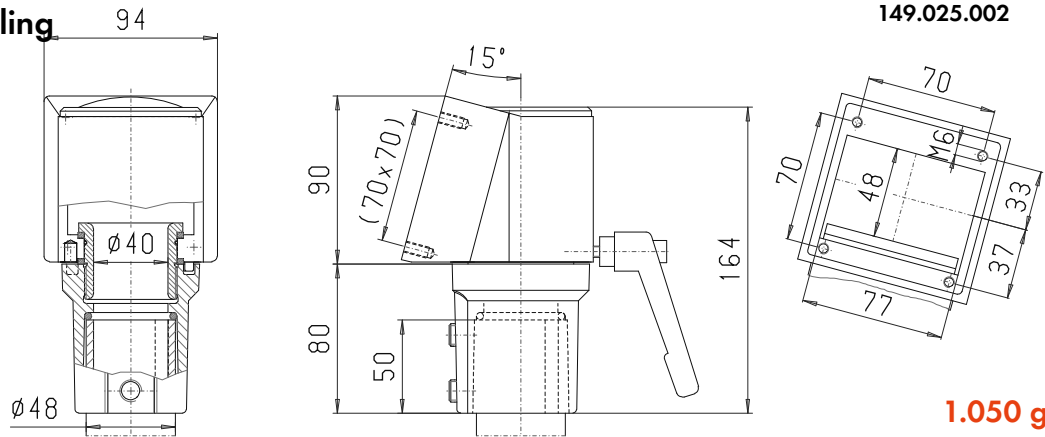
Console rotary coupling

149.025.002



15

300°



1.050 g

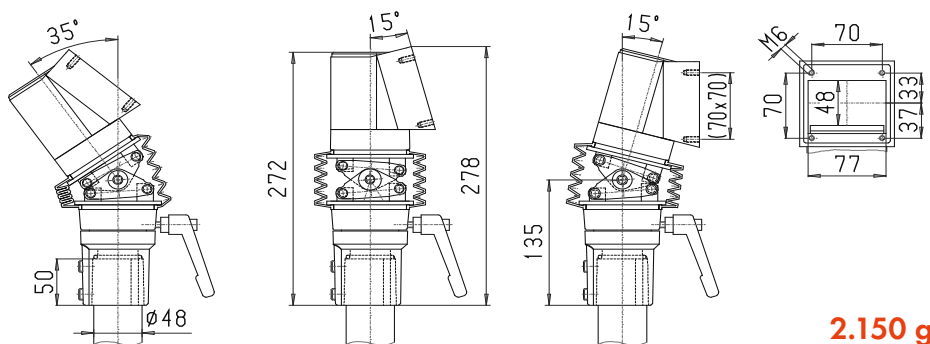
Console inclination rotary coupling

149.025.003



16

300°



2.150 g

ROLEC Function and dimensions of the system elements

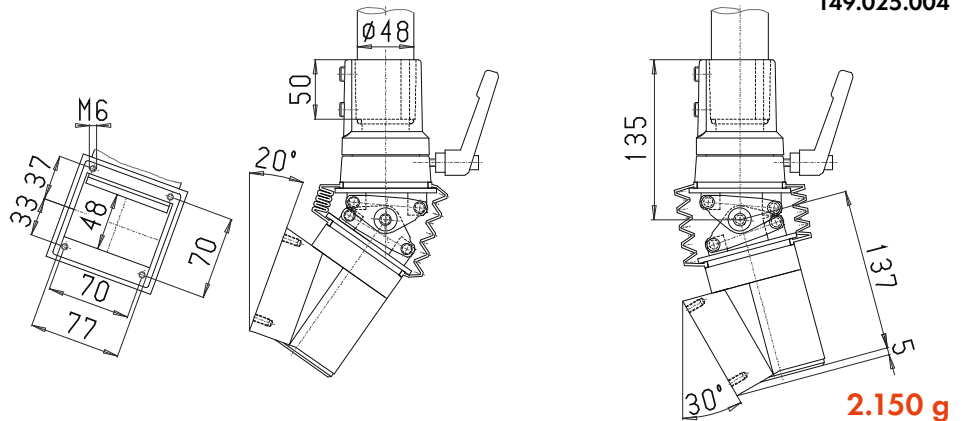
taraPLUS

Console inclination rotary coupling, hanging

149.025.004



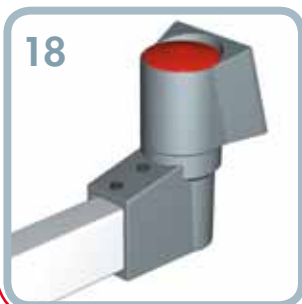
300°



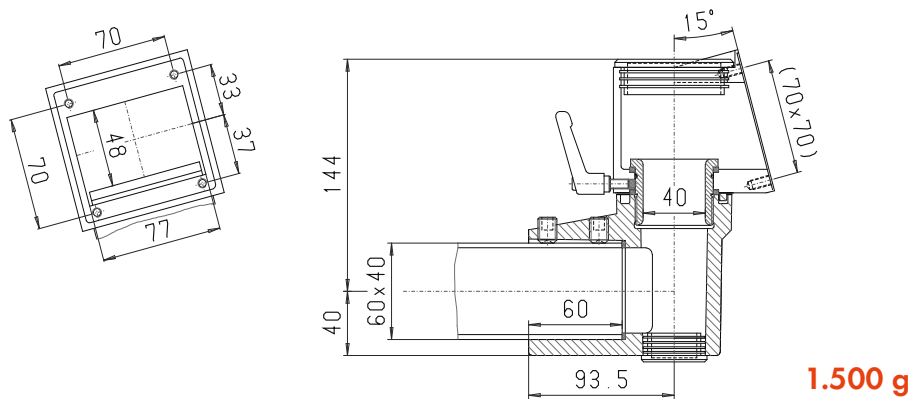
2.150 g

Console elbow coupling

149.035.002



300°



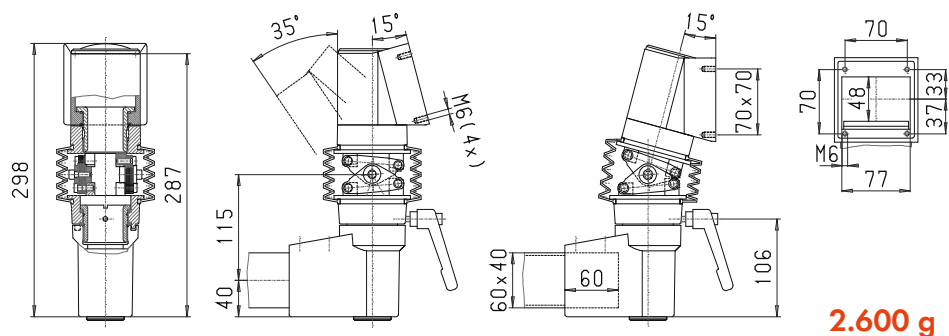
1.500 g

Console inclination elbow rotary coupling

149.035.003



300°



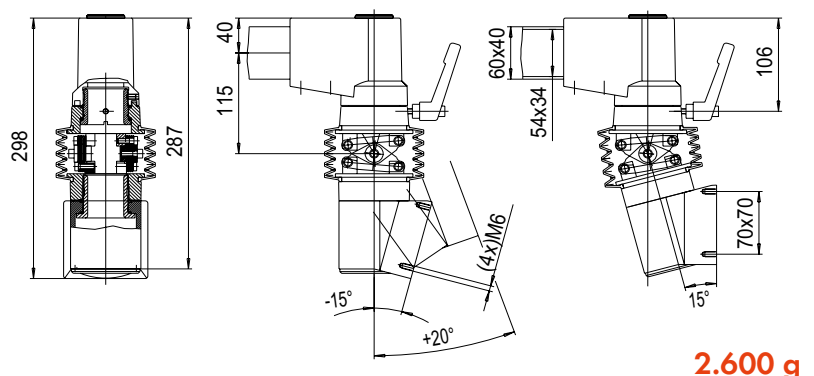
2.600 g

Console inclination elbow rotary coupling, hanging

149.035.005



300°



2.600 g

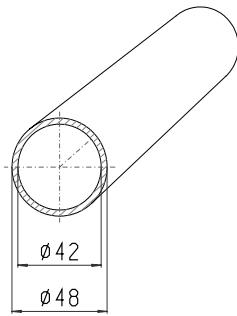
Tubes

144.30x.xxx

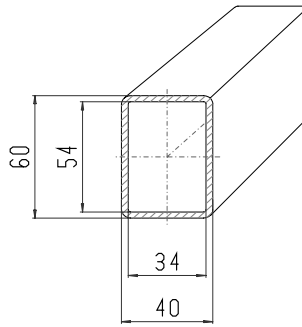
144.31x.xxx

144.32x.xxx

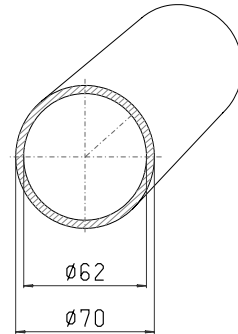
21



1,00 m = 3.600 g



1,00 m = 4.300 g

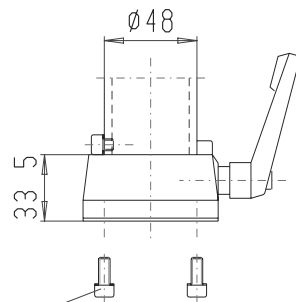


1,00 m = 6.900 g

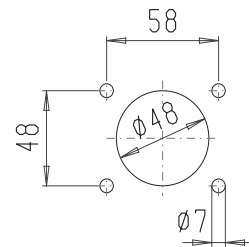
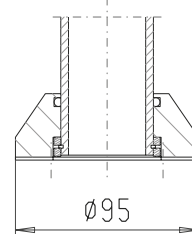
Rotary coupling

146.025.008

22



M6 x 16
DIN 912

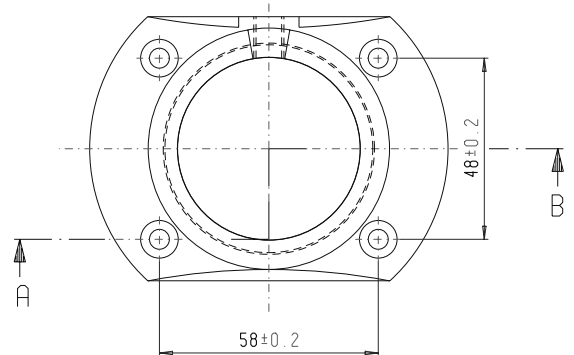
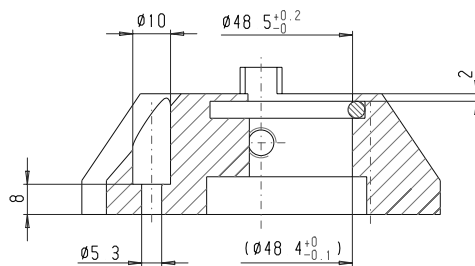


300 g

Rotary coupling

146.025.024

23

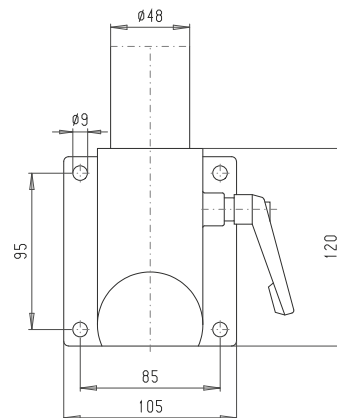
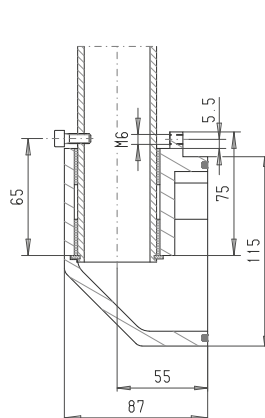


250 g

Back panel adaptor

146.010.114

24



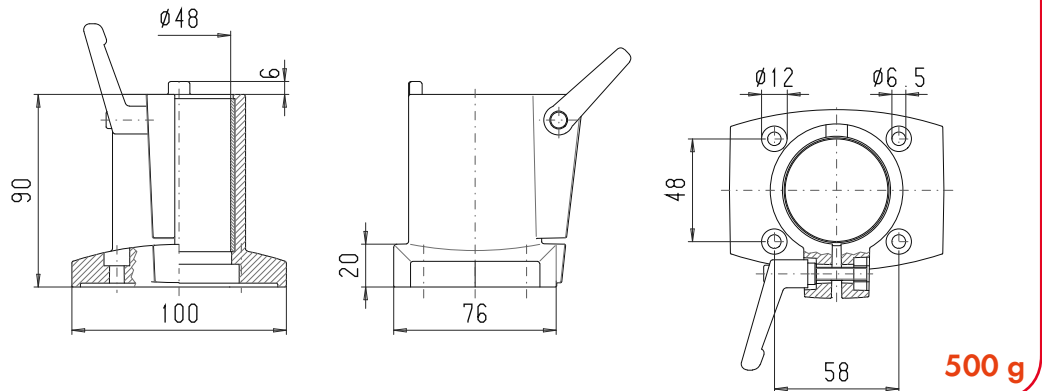
900 g

ROLEC Function and dimensions of the system elements

taraPLUS

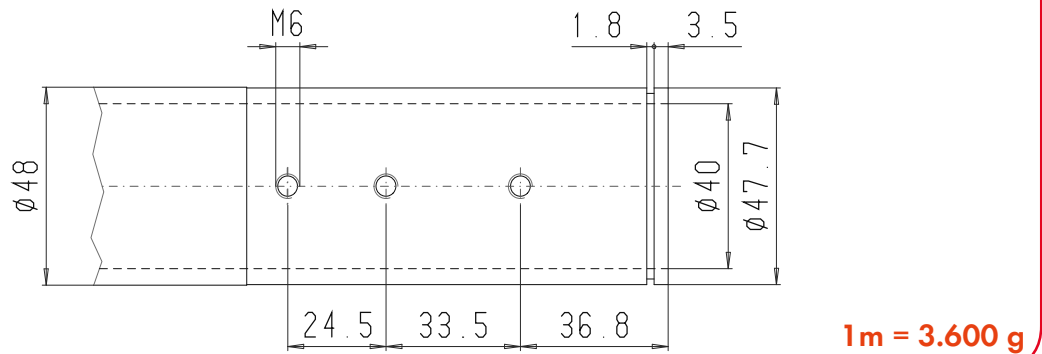
Support arm adaptor

146.025.009



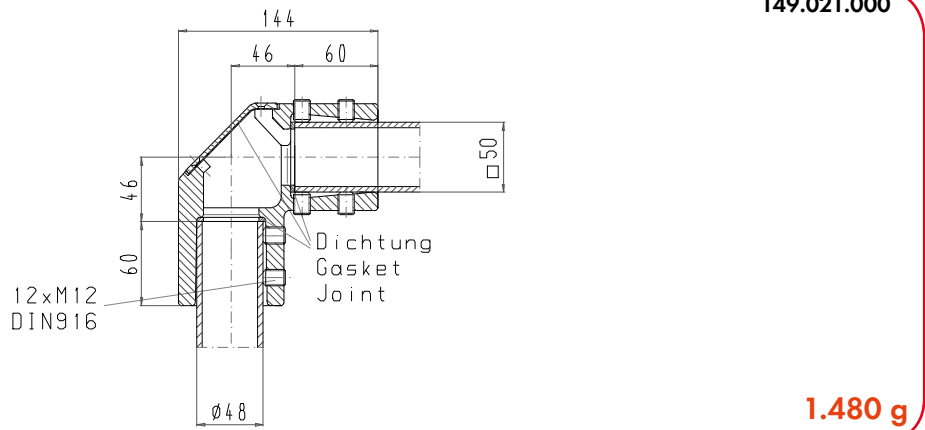
Special tube $\varnothing 48$ for BECKHOFF-PC

144.33x.xxx



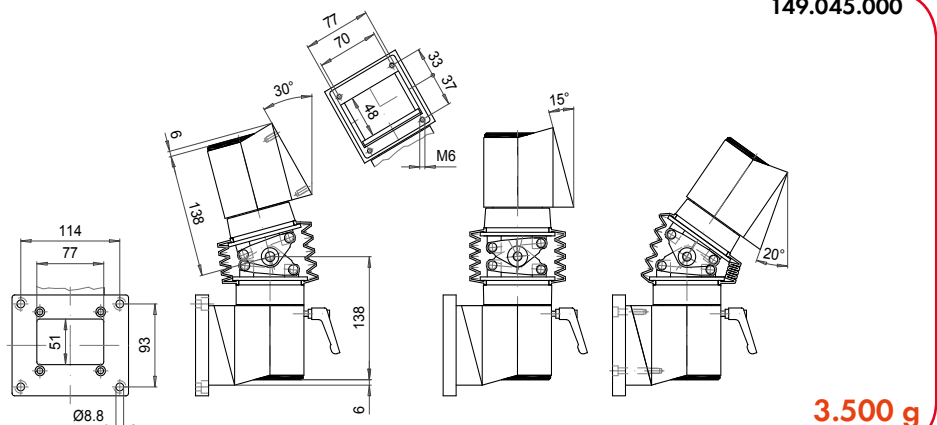
taraPLUS/QUADRO 50 elbow

149.021.000



Wall inclination coupling

149.045.000





Our *passion* is enclosures.

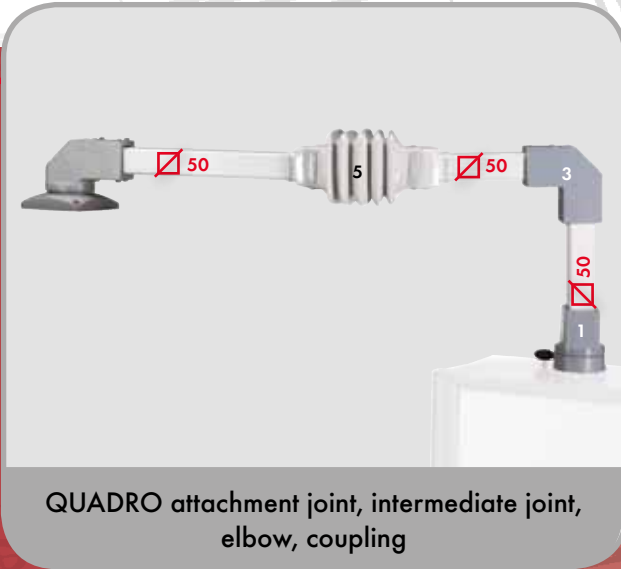


QUADRO

Stable suspension systems 50 - 60 - 80

Technical data

QUADRO 50 - 60 - 80



QUADRO attachment joint, intermediate joint, elbow, coupling



QUADRO base, coupling



QUADRO socket joint, elbow, coupling



Combination of taraPLUS and QUADRO 50

Material system elements:

Die-cast aluminium (Al Si 12)
Spheroidal graphite (GGG40)

Material tubes: Steel, drawn

Tubes:

Rectangular 50mm
Rectangular 60mm
Rectangular 80mm
Round Ø 48mm

Bellows: RAL 7035, light grey

Ring tapping screws: Steel, galvanised

Ingress Protection: IP54 / EN 60529

System element surface: Powder coating RAL 7040, window grey

Tube surface: Powder coating RAL 7035, light grey

Optional:

Control enclosure: staKOM, topVISION and multiVISION

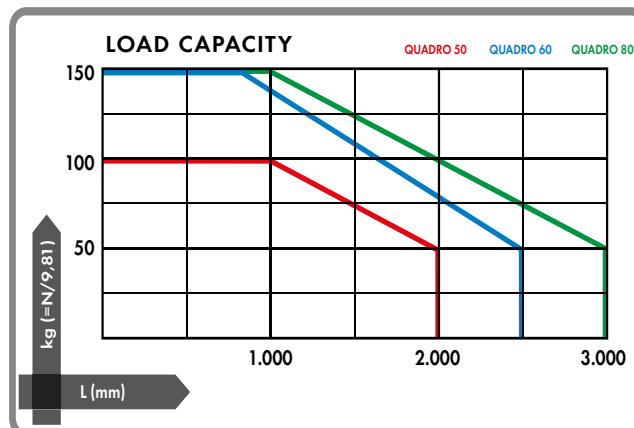
Surface: System element special colours
Tube special colours

QUADRO system elements:

QUADRO 50		g	QUADRO 60		g	QUADRO 80		g	Type
	Mat. no.			Mat. no.			Mat. no.		
1	147.025.500	1.250	11	147.025.100	2.150	21	147.025.700	3.100	Coupling
2	147.035.500	2.000	12	147.035.100	3.850	22	147.035.700	6.550	Elbow coupling
3	147.020.500	1.350	13	147.020.100	3.850	23	147.020.700	2.400	Elbow
3a	149.021.000	1.480							taraPLUS/QUADRO 50 elbow
4	147.020.501	25				24	147.020.701	80	Control lamp adapter
5	147.015.000	4.250	15	147.015.100	5.550	25	147.015.200	10.000	Intermediate joint
6	147.010.000	4.350	16	147.010.100	5.700	26	147.010.200	9.450	Wall joint
7	147.005.500	5.400	17	147.005.100	9.300	27	147.005.700	15.700	Socket joint
8	147.040.000	6.650							Tube rotation joint
9	147.030.000	3.250	19	147.030.100	3.750	29	147.030.200	7.000	Base
10	147.025.002	3.000	20	147.025.102	2.900	30	147.025.202	2.900	Inclination coupling
31	140.045.000	1.100	31	140.045.000	1.100	31	140.045.000	1.100	Inclination adapter 30°/60°
32	144.020.500	3.375	32	144.030.500	3.375	32	144.040.500	3.375	Rectangular tube 0.50 m
32	144.021.000	6.750	32	144.031.000	6.750	32	144.041.000	6.750	Rectangular tube 1.00 m
32	144.021.500	10.125	32	144.031.500	10.125	32	144.041.500	10.125	Rectangular tube 1.50 m
32	144.022.000	13.500	32	144.032.000	13.500	32	144.042.000	13.500	Rectangular tube 2.00 m

Figure no. on the following pages

Approvals:



ROLEC Function and dimensions of the system elements

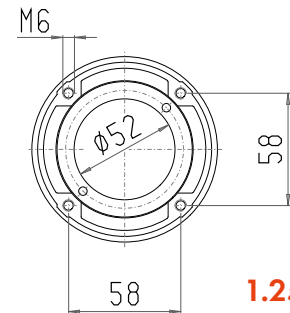
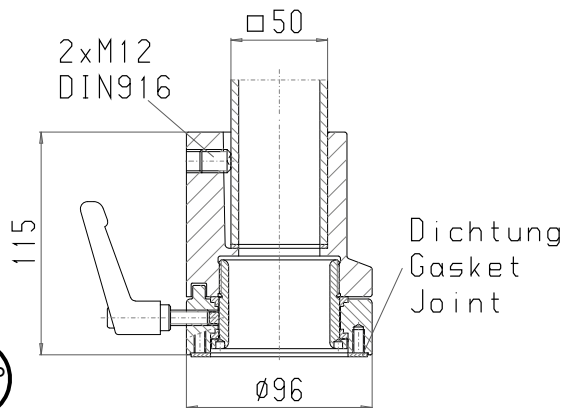
QUADRO 50

Enclosure coupling

147.025.500



300°



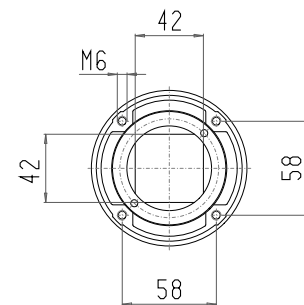
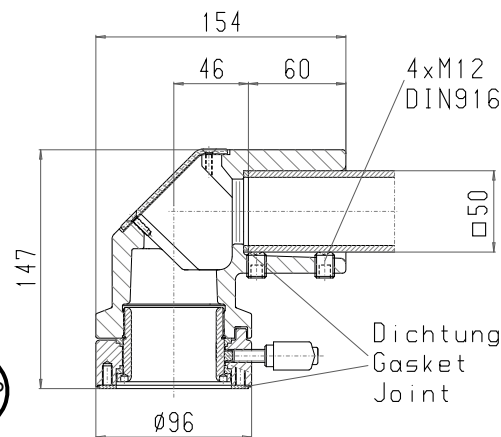
1.250 g

Elbow coupling

147.035.500



300°



2.000 g

Elbow/taraPLUS-QUADRO 50

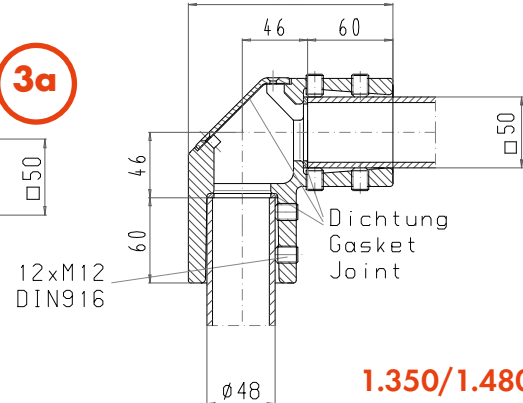
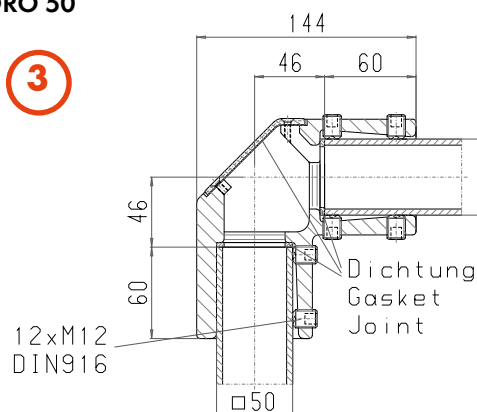
147.020.500

149.021.000



3

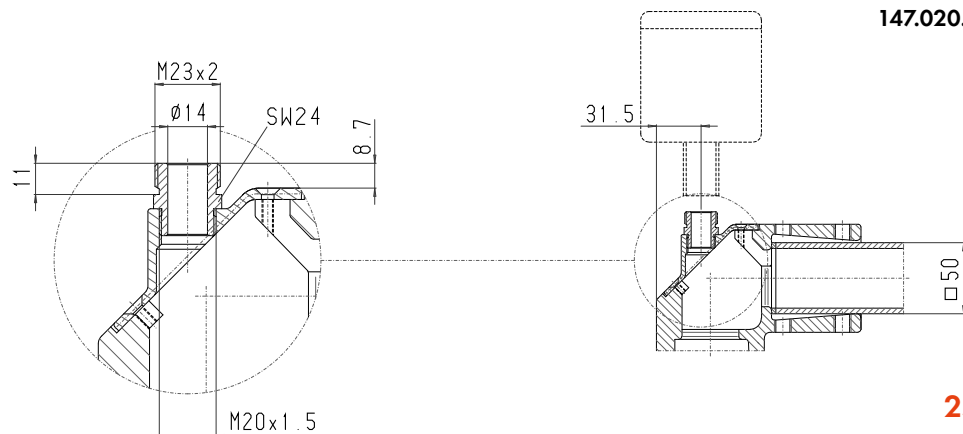
3a



1.350/1.480 g

Control lamp adapter

147.020.501



25 g

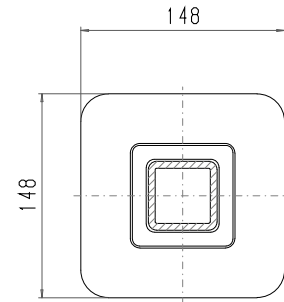
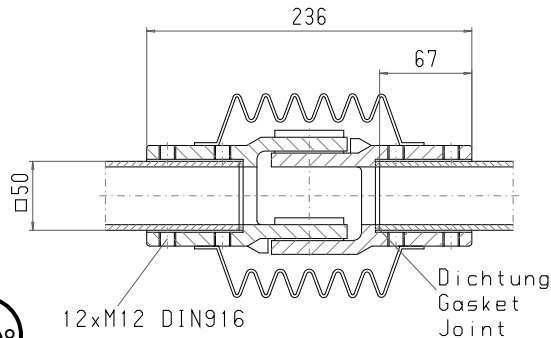
QUADRO 50

Intermediate joint

147.015.000



170°



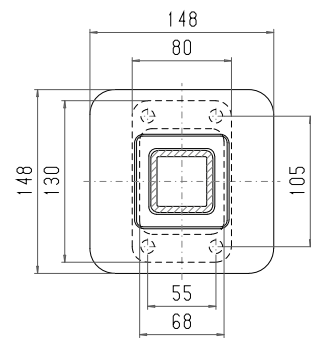
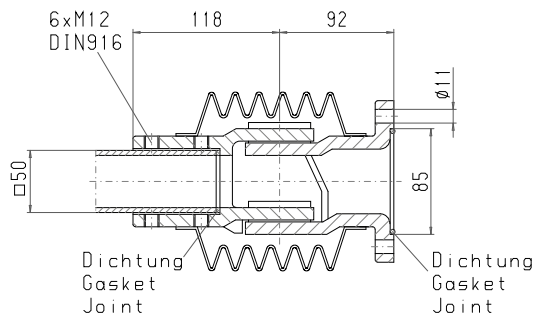
4.250 g

Wall joint

147.010.000



170°



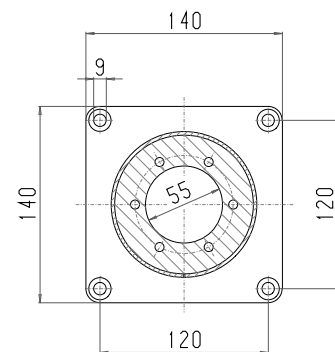
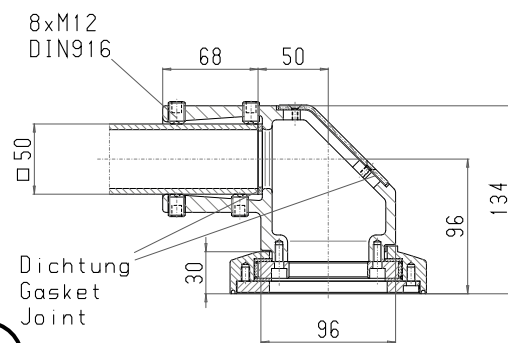
4.350 g

Socket joint

147.005.500



300°



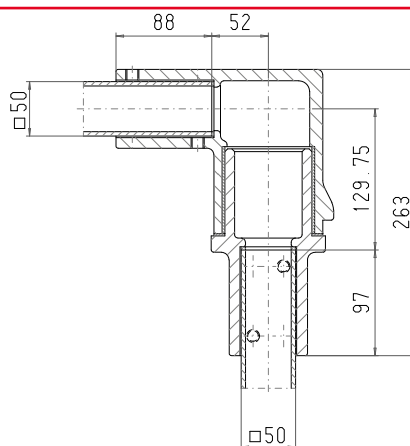
5.400 g

Tube rotation joint

147.040.000



325°



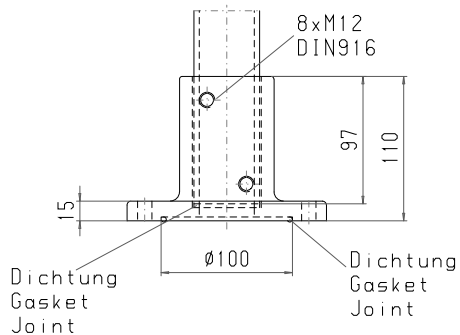
6.650 g

ROLEC Function and dimensions of the system elements

QUADRO 50

Base

147.030.000

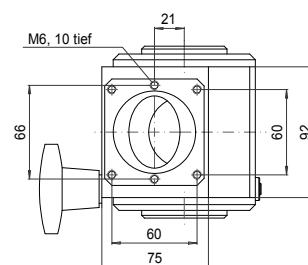
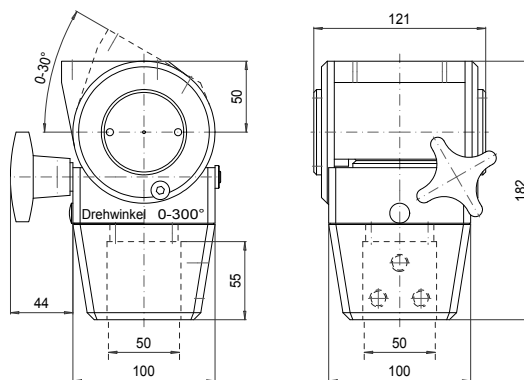


3.250 g

Inclination coupling

Gehäuse max. 300 N

147.025.002



3.000 g

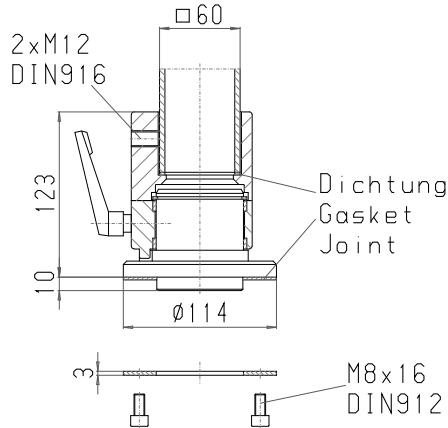
QUADRO 60

Enclosure coupling

147.025.100



11



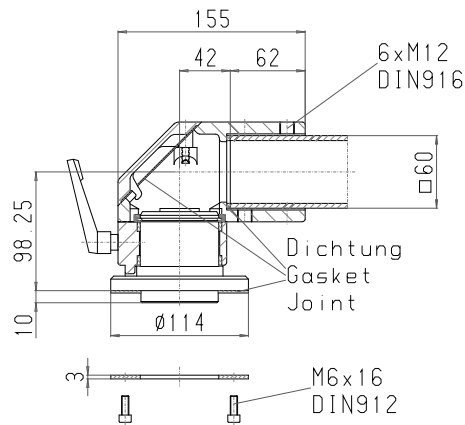
2.150 g

Elbow coupling

147.035.100



12



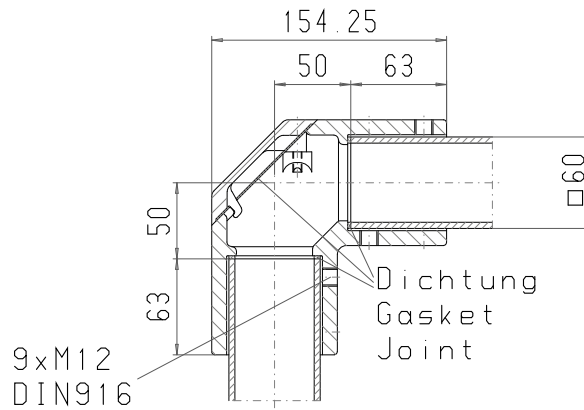
3.850 g

Elbow

147.020.100



13



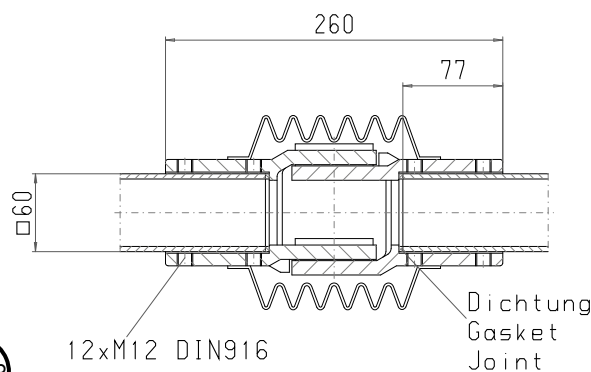
3.850 g

Intermediate joint

147.015.100



15



5.550 g

ROLEC Function and dimensions of the system elements

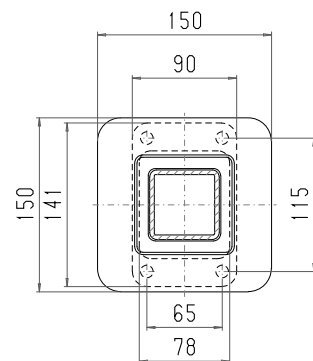
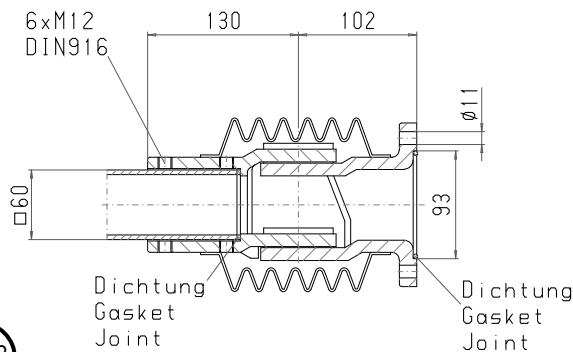
QUADRO 60

Wall joint

147.010.100



16



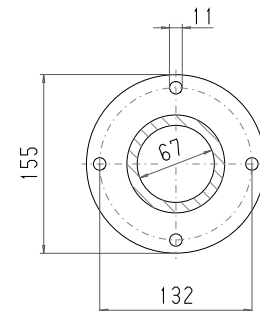
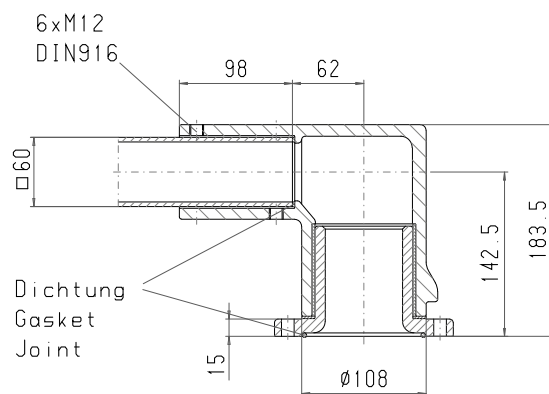
5.700 g

Socket joint

147.005.100



17



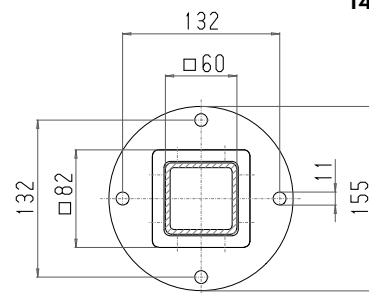
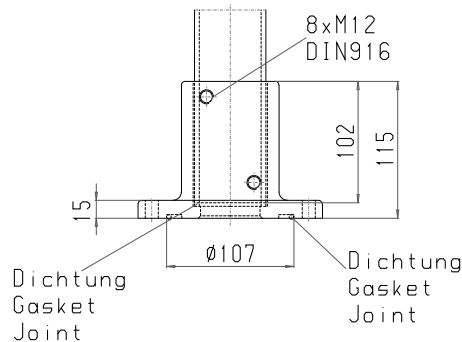
9.300 g

Base

147.030.100



19



3.750 g

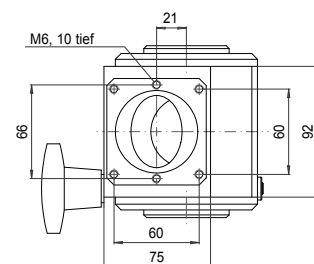
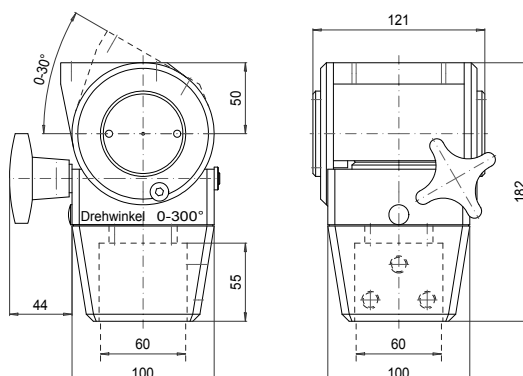
Inclination coupling

Gehaeuse max. 300 N

147.025.102



20



2.900 g

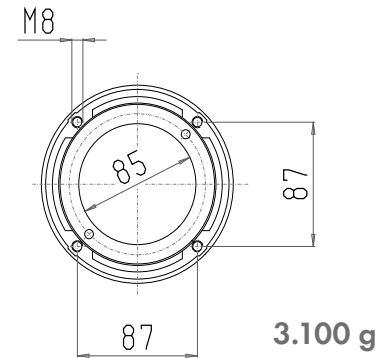
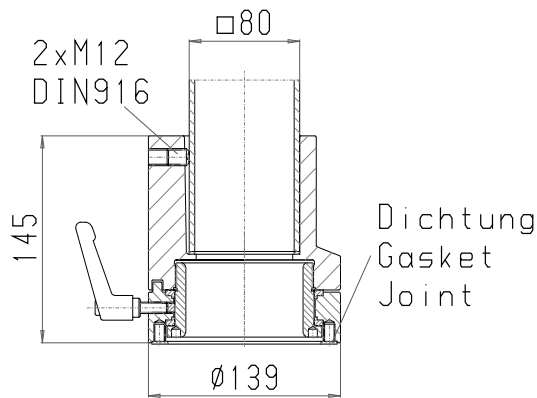
QUADRO 80

Enclosure coupling

147.025.700



21

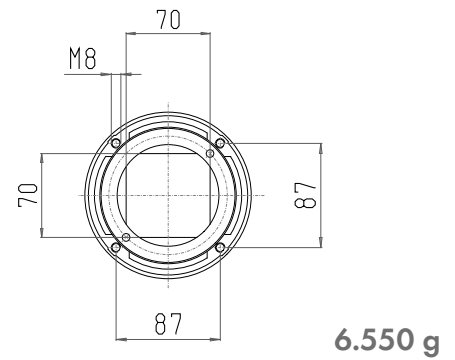
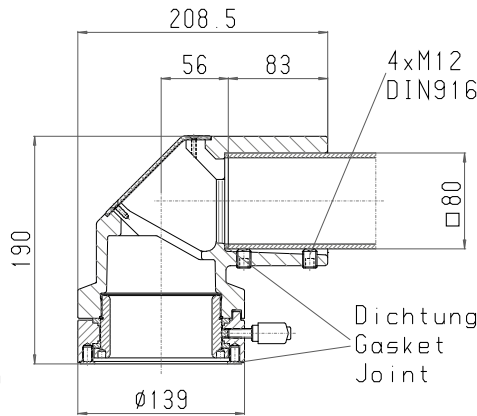


Elbow coupling

147.035.700



22

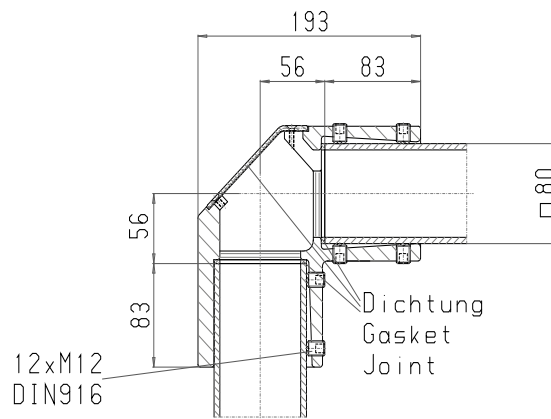


Elbow

147.020.700



23



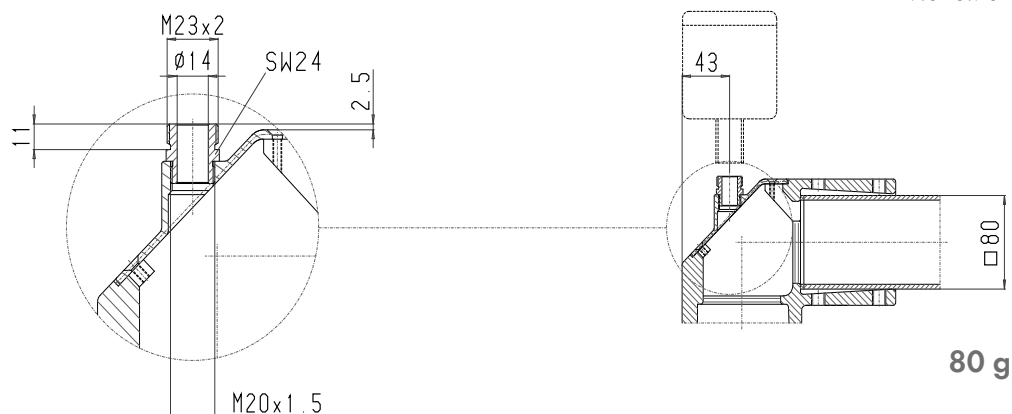
2.400 g

Control lamp adapter

147.020.701



24



80 g

ROLEC Function and dimensions of the system elements

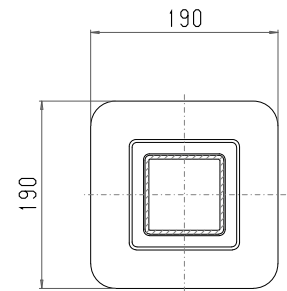
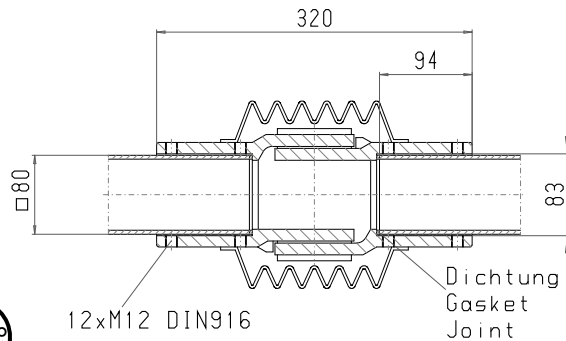
QUADRO 80

Intermediate joint

147.015.200



170°



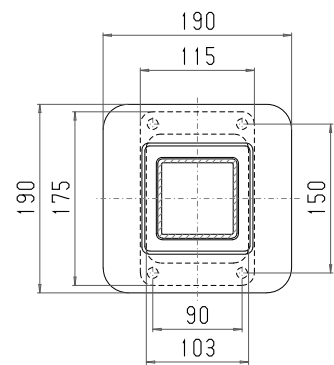
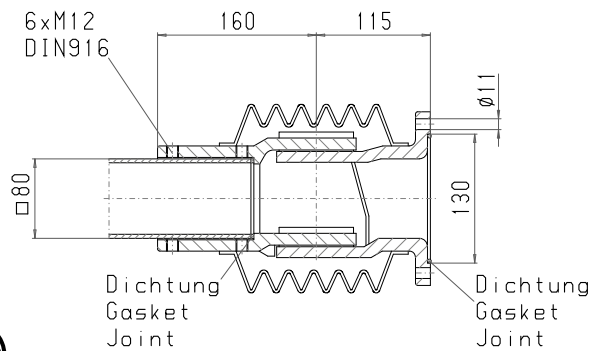
10.000 g

Wall joint

147.010.200



170°



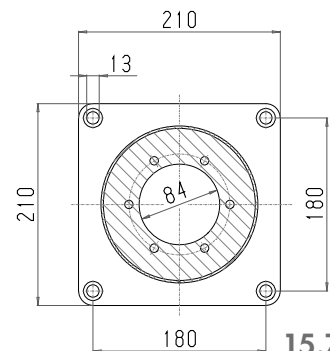
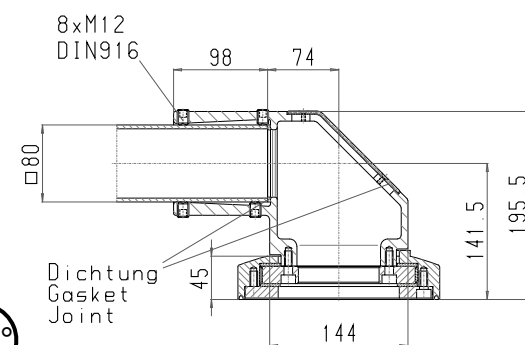
9.450 g

Socket joint

147.005.700



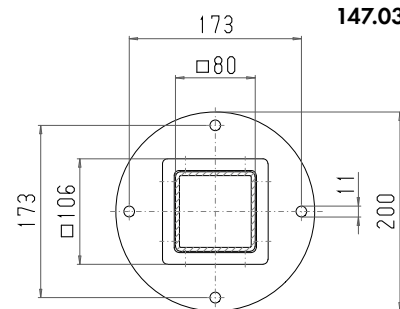
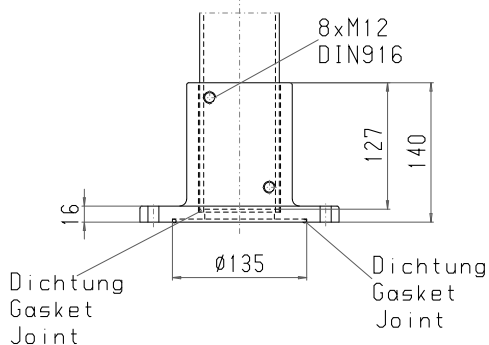
300°



15.700 g

Base

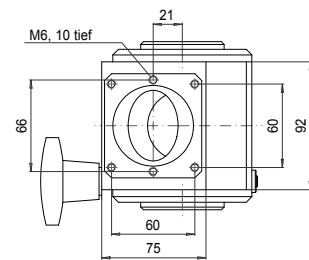
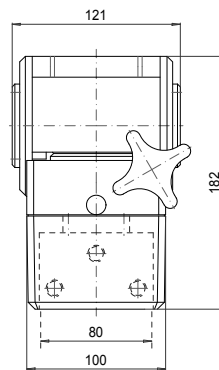
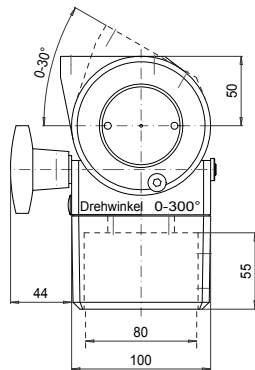
147.030.200



7.000 g

QUADRO 80**Inclination coupling**

Gehäuse max. 300 N

147.025.202**2.900 g**

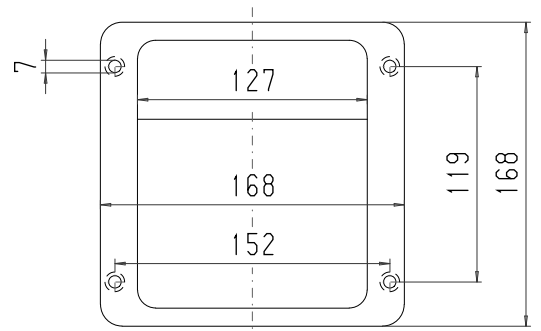
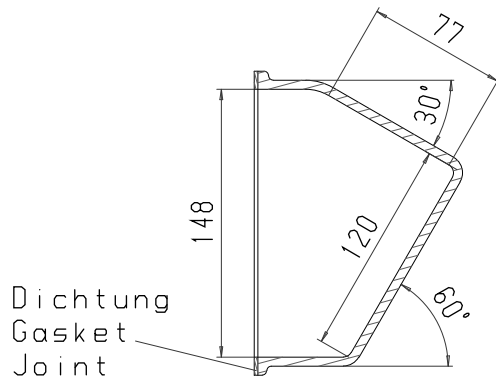
ROLEC Function and dimensions of the system elements

QUADRO 50 - 60 - 80

Inclination adapter 30°/60°

140.045.000

QUADRO 50
QUADRO 60
QUADRO 80



1.100 g

1.100 g

1.100 g

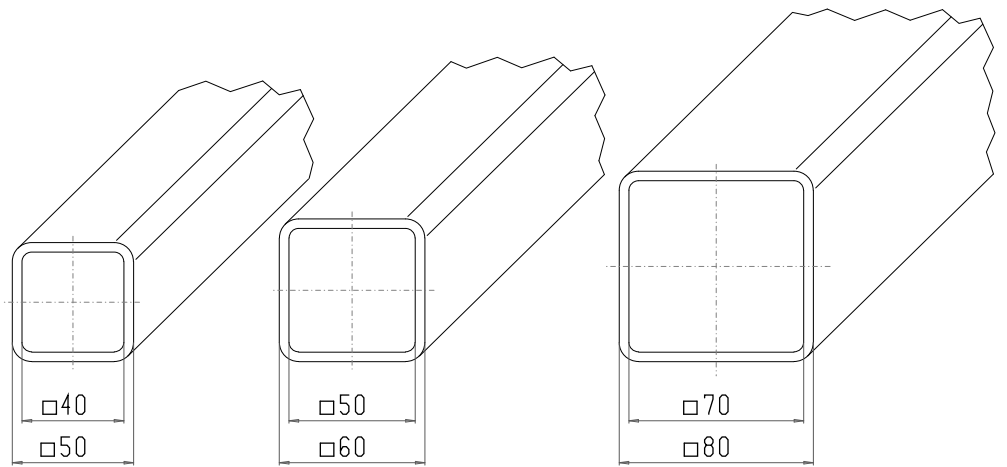
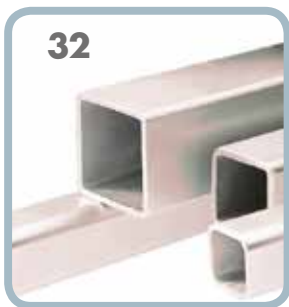
Rectangular tube

0,50 m 144.020.500
 1,00 m 144.021.000
 1,50 m 144.021.500
 2,00 m 144.022.000

0,50 m 144.030.500
 1,00 m 144.031.000
 1,50 m 144.031.500
 2,00 m 144.032.000

0,50 m 144.040.500
 1,00 m 144.041.000
 1,50 m 144.041.500
 2,00 m 144.042.000

QUADRO 50
QUADRO 60
QUADRO 80



1,00 m=6.750 g

1,00 m=7.720 g

1,00 m=10.480 g



Accessories

Cable glands

Technical data

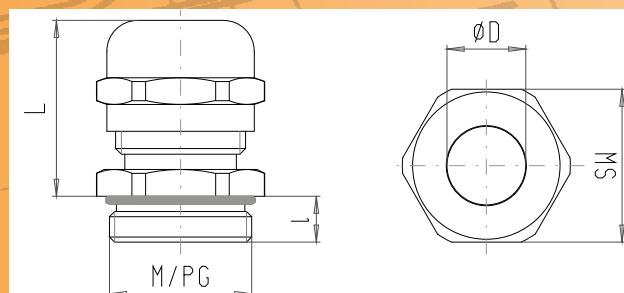
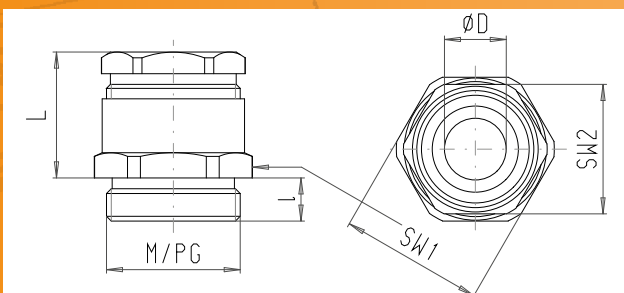
Cable glands



Brass hexagon cable gland



Brass sealing cable gland



Material: Brass, nickel-plated
Gasket: Soft rubber
Protection type IP 54
Additional information: With threaded O-ring gasket IP 65.

Material: Brass, nickel-plated
Gasket: Neoprene
Ingress protection: IP 68/5 bar
Additional information: Good strain relief. With O-ring on the connection thread.

M	ØD*	L	L	SW1	SW2	VPE	Art#
M12	5-7	6	16	14	13	100	570.001.M12
M12	6-8	6	16	17	15	100	570.001.M13
M16	6-8	6	16	18	15	100	570.001.M16
M20	8-10	6	17	22	18	50	570.001.M20
M20	10-12	6	19	22	20	50	570.001.M21
M20	12-14	8	20	24	22	50	570.001.M22
M25	15-17	8	20	30	28	50	570.001.M25
M32	24-26	8	25	39	37	25	570.001.M32

PG	ØD*	L	L	SW1	SW2	VPE	Art#
PG7	5-7	5	20	14	13	100	570.001.007
PG9	6-8	6	22	17	15	100	570.001.009
PG11	8-10	6	23	20	18	50	570.001.011
PG13,5	10-12	6,5	25	22	20	50	570.001.013
PG16	12-14	6,5	27	24	22	50	570.001.016
PG21	15-17	7	30	30	28	50	570.001.021
PG29	24-26	8	33	39	37	25	570.001.029

ØD* = Clamping area in mm

M	ØD*	L	L	SW1	SW2	VPE	Art#
M12	3-6,5	6,5	20	14	14	100	570.002.M12
M16	5,5-10	7	21	18	17	100	570.002.M16
M20	8-13	8	24	22	22	50	570.002.M20
M25	11-18	8	29	27	24	50	570.002.M25
M32	15-21	9	30	34	30	25	570.002.M32
M40	19-27	9	36	43	40	10	570.002.M40
M50	26-35	10	43,5	55	50	5	570.002.M50
M63	32-48	15	46	68	64	5	570.002.M63

PG	ØD*	L	L	SW1	SW2	VPE	Art#
PG7	3-6,5	6	14	14	14	100	570.002.007
PG9	5,5-10	6	18	17	17	100	570.002.009
PG11	5,5-10	6	22	20	20	50	570.002.011
PG13,5	8-13	6,5	24	22	22	50	570.002.013
PG16	8-14	6,5	21	24	24	50	570.002.016
PG21	11-18	7	23	30	30	50	570.002.021
PG29	19-27	8	24	40	40	25	570.002.029
PG36	26-35	10	45,5	50	50	10	570.002.036
PG42	35-45	12	30	58	58	5	570.002.042

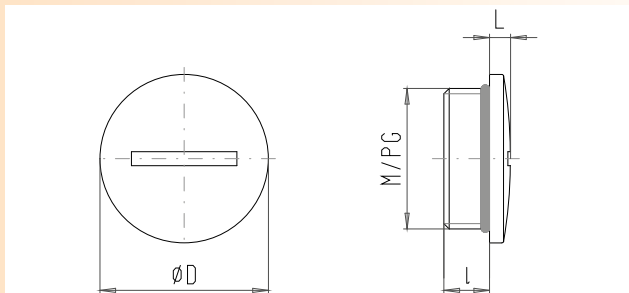
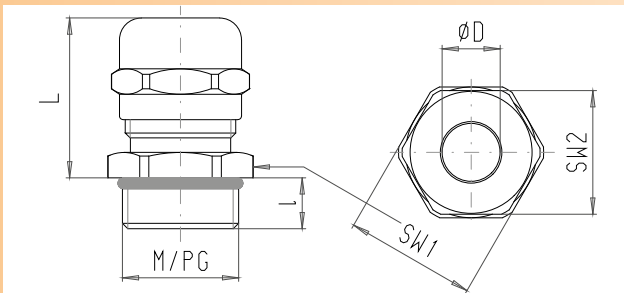
ØD* = Clamping area in mm



Brass cable gland EMC version



Brass blanking plug



Material: Brass nickel-plated
Gasket: Neoprene
Protection type IP 68/5 bar, O-ring from Perbunan on the connection thread.

Material: Brass, nickel-plated
Gasket: O-ring from Perbunan
Ingress protection: IP 55, with O-ring IP 65

M	ØD*	L	L	SW1	SW2	VPE	Art#
M12	3-6,5	7	18	18	18	50	570.801.M12
M16	4-8	8	20	22	22	50	570.801.M16
M20	6-12	8	20	24	24	50	570.801.M20
M25	10-14	9	23,5	30	30	25	570.801.M25
M32	13-18	10	28	42	42	10	570.801.M32
M40	18-25	11	27	52	52	10	570.801.M40
M50	22-32	12	30	63	63	5	570.801.M50
M63	34-44	13	34	77	77	5	570.801.M63

PG	ØD*	L	L	SW1	SW2	VPE	Art#
PG7	3-6,5	7	17	18	18	50	570.801.007
PG9	4-8	8	20	22	22	50	570.801.009
PG11	5-10	8	20	22	22	50	570.801.011
PG13,5	6-12	8	20	24	24	50	570.801.013
PG16	10-14	9	24	30	30	50	570.801.016
PG21	13-18	10	28	30	30	25	570.801.021
PG29	18-25	10	28	41	41	10	570.801.029

ØD* = Clamping area in mm

M	ØD*	L	L	VPE	Art#
M12	16	5	3	100	570.004.M12
M16	20	6	3	100	570.004.M16
M20	22	6,5	3	100	570.004.M20
M25	28	7	4	100	570.004.M25
M32	35	8	6	50	570.004.M32
M40	45	8	5	50	570.004.M40
M50	55	9	6	25	570.004.M50
M63	68	10	6	10	570.004.M63

PG	ØD*	L	L	VPE	Art#
PG7	16	4,5	3	100	570.004.007
PG9	19	4,5	3,5	100	570.004.009
PG11	22	4,5	3,5	100	570.004.011
PG13,5	24	6	4	100	570.004.013
PG16	26	6	4	100	570.004.016
PG21	32	6	4	100	570.004.021
PG29	39	8	4,5	50	570.004.029
PG36	50	9	6	25	570.004.036

ØD* = Clamping area in mm

Technical data

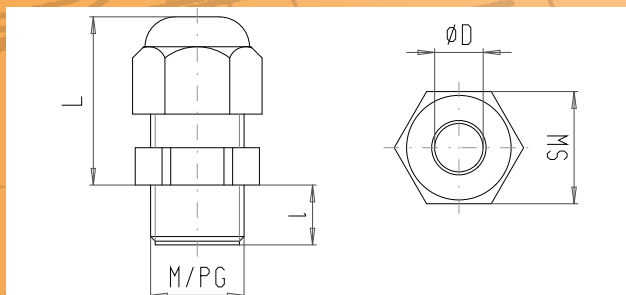
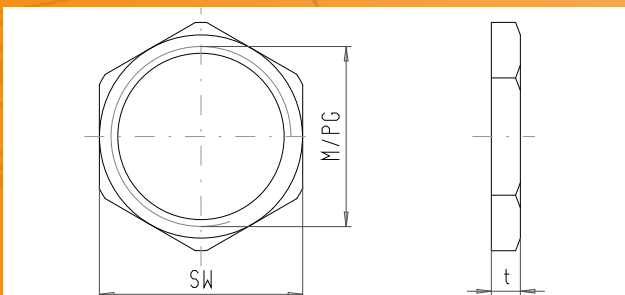
Cable glands



Brass lock nut



PA cable gland



Material: Brass, nickel-plated.

Material: Polyamide Gasket: Neoprene
 Ingress protection: IP 68/ 5 bar in cited clamp area
 Colours: RAL 7035 light grey; further colours on inquiry
 Additional information: VDE and UL-checked.
 Halogen-free.

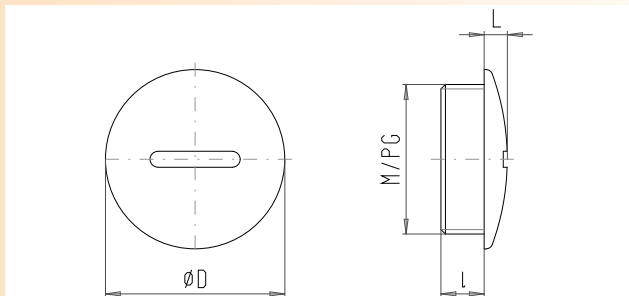
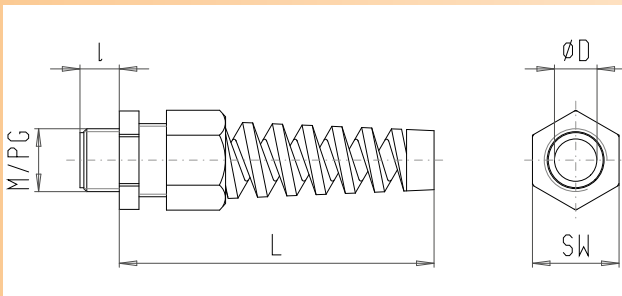
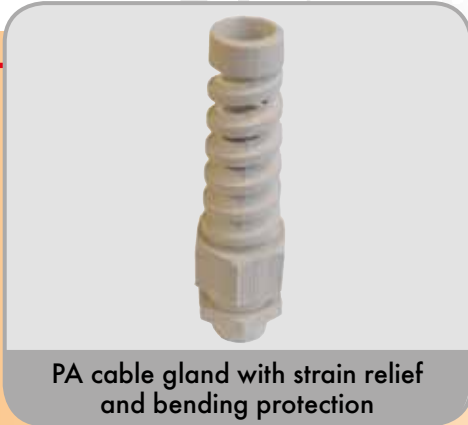
M	t	SW	VPE	Art-#
M10	2,5	12	100	570.005.M10
M12	2,8	14	100	570.005.M12
M16	2,8	18	100	570.005.M16
M20	3	23	100	570.005.M20
M25	3	28	100	570.005.M25
M32	4	36	100	570.005.M32
M40	4,5	44	50	570.005.M40
M50	5	54	50	570.005.M50
M63	6	70	50	570.005.M63

PG	t	SW	VPE	Art-#
PG7	2,8	15	100	570.005.007
PG9	2,8	18	100	570.005.009
PG11	3	21	100	570.005.011
PG13,5	3	23	100	570.005.013
PG16	3	26	100	570.005.016
PG21	3,5	32	100	570.005.021
PG29	4	41	100	570.005.029

M	ØD*	L	L	SW	VPE	Art-#
M12	3-6,5	8	16	15	100	570.014.M12
M16	5-10	10	28	22	100	570.014.M16
M20	6-12	10	30	24	100	570.014.M20
M20	10-14	10	30	27	50	570.014.M21
M25	13-18	10	37	33	50	570.014.M25
M32	18-25	18	40	42	25	570.014.M32
M40	22-32	18	52	53	25	570.014.M40
M50	30-38	18	54	60	25	570.014.M50
M63	34-44	18	57	65	10	570.014.M63

PG	ØD*	L	L	SW	VPE	Art-#
PG7	3-6,5	8	22,5	15	100	570.014.007
PG9	4-8	8	26	19	100	570.014.009
PG11	5-10	8	29	22	100	570.014.011
PG13,5	6-12	9	30	24	100	570.014.013
PG16	10-14	10	32,5	27	50	570.014.016
PG21	13-18	11	37	33	50	570.014.021
PG29	18-25	11	42	42	25	570.014.029
PG36	22-32	13	52	53	25	570.014.036

ØD* = Clamping area in mm



Material: Polyamide
Gasket: Neoprene
Protection type: IP 68/ 5 bar in cited clamp area
Colours: RAL 7035 light grey; further colours on inquiry
Additional information: VDE and UL-checked.
 Halogen-free.

Material: Polyamide
Colours: RAL 7035 light grey; further colours on inquiry (quantity dependent)
Ingress protection: IP54, with threaded O-ring gasket IP 65

M	ØD*	L	L	SW	VPE	Art.#
M16	6-8	10	80	22	100	570.008.M16
M20	8-10	10	95	24	100	570.008.M20
M20	10-12	10	95	27	100	570.008.M21
M25	12-14	15	122	33	50	570.008.M25

ØD* = Clamping area in mm

M	ØD*	L	L	VPE	Art.#
M12	15	6	4	100	570.009.M12
M16	20	6	4,5	100	570.009.M16
M20	24	7,5	4,5	100	570.009.M20
M25	30	11	5	100	570.009.M25
M32	37	11	5	100	570.009.M32
M40	46	12	5	50	570.009.M40
M50	55	13	5	50	570.009.M50
M63	69	14	5	50	570.009.M63

PG	ØD*	L	L	VPE	Art.#
PG7	15	6	2	100	570.009.007
PG9	19	6	3,5	100	570.009.009
PG11	22	6	4	100	570.009.011
PG13,5	25	6	4	100	570.009.013
PG16	27	6	4	100	570.009.016
PG21	33	8	4	100	570.009.021
PG29	44	8	4	50	570.009.029
PG36	55	10	4	50	570.009.036

ØD* = Clamping area in mm

Technical data

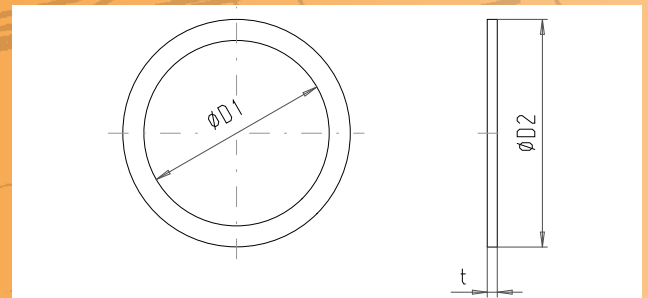
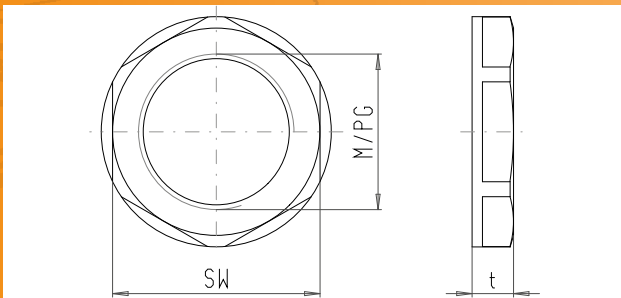
Cable glands



PA lock nut



PA O-ring gasket



Material: Polyamide
Colours: RAL 7035, light grey
Standard: DIN 46319 for M12 to M 63; DIN 46320 for Pg 7 to Pg 48; NFC 68-311 for M10

Material: Polyethylene

M	t	SW	VPE	Art-#
M12	5	18	100	570.010.M12
M16	5	22	100	570.010.M16
M20	6	26	100	570.010.M20
M25	6	32	100	570.010.M25
M32	7	41	100	570.010.M32
M40	7	50	50	570.010.M40
M50	8	60	50	570.010.M50
M63	8	75	50	570.010.M63

PG	t	SW	VPE	Art-#
PG7	5	19	100	570.010.007
PG9	5	22	100	570.010.009
PG11	5	24	100	570.010.011
PG13,5	6	27	100	570.010.013
PG16	6	30	100	570.010.016
PG21	7	36	100	570.010.021
PG29	7	46	50	570.010.029
PG36	8	60	50	570.010.036
PG42	8	65	50	570.010.042

M	t	Ø1	Ø2	VPE	Art-#
M12	2	12	16	100	570.012.M12
M16	1,5	16	20	100	570.012.M16
M20	1	20	24	100	570.012.M20
M25	2	25	29	100	570.012.M25
M32	1	32	36	100	570.012.M32
M40	2	40	45	50	570.012.M40
M50	2	50	56	50	570.012.M50
M63	2	63	70	50	570.012.M63

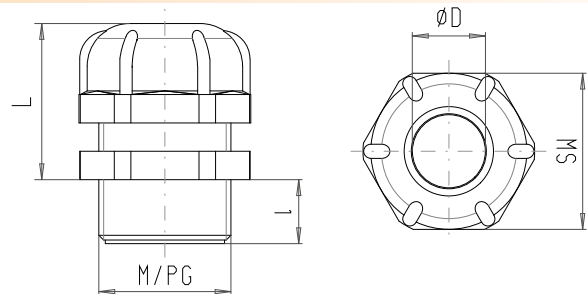
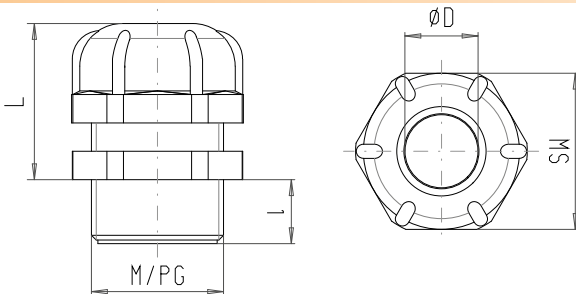
PG	t	Ø1	Ø2	VPE	Art-#
PG7	1,5	12,5	16,5	100	570.012.007
PG9	1	15,2	19	100	570.012.009
PG11	1	18,6	22,5	100	570.012.011
PG13,5	1	20,4	25	100	570.012.013
PG16	1	22,5	27	100	570.012.016
PG21	2	28,3	33,5	100	570.012.021
PG29	2	37	43,5	50	570.012.029
PG36	3,1	47	55	50	570.012.036
PG42	3	54	63	50	570.012.042



Exe cable gland polyamide



Exi cable gland polyamide



Material: Polyamide; **gasket:** Neoprene
Ingress protection: IP 66
Per ATEX 100a ECDEP cable glands exe II.
Suitable for use in zones 1 and 2 for groups IIA, IIB and IIC. In accordance with standards EN 50014/16/19/20 and EN 50281-1-1 and 2. In accordance with directive 94/9/EC.
Colour: RAL 9005 black.

Material: Polyamide; **gasket:** Neoprene
Ingress protection: IP 66
Per ATEX 100a ECDEP cable glands Exi II.
Suitable for use in zones 1 and 2 for groups IIA, IIB and IIC. In accordance with standards EN 50014/16/19/20 and EN 50281-1-1 and 2. In accordance with directive 94/9/EC.
Colour: RAL 5012 blue.

M	ØD*	L	L	SW	VPE	Art#
M16	5-8	12	22	19	20	570.803.M16
M20	8-13	12	23	24	20	570.803.M20
M25	13-19	13	29	32	20	570.803.M25
M32	17-25	15	29	41	10	570.803.M32
M40	24-32	15	35	52	10	570.803.M40
M50	29-38	16	40	59	10	570.803.M50
M63	36-44	16	42	65	10	570.803.M63

PG	ØD*	L	L	SW	VPE	Art#
PG7	3,5-6	9	18	15	20	570.803.007
PG9	5-8	9	22	19	20	570.803.009
PG11	6-10	9	22	22	20	570.803.011
PG13,5	8-13	10	23	24	20	570.803.013
PG16	10-15	10	23	26	20	570.803.016
PG21	13-19	11	29	32	20	570.803.021
PG29	17-25	12	29	41	10	570.803.029
PG36	24-32	14	35	52	10	570.803.036
PG42	29-38	16	40	59	10	570.803.042
PG48	36-44	18	42	65	10	570.803.048

ØD* = Clamping area in mm

M	ØD*	L	L	SW	VPE	Art#
M12	3,5-6	9	18	15	15	570.804.M12
M16	5-8	12	22	19	20	570.804.M16
M20	8-13	12	23	24	20	570.804.M20
M25	13-19	13	29	32	20	570.804.M25
M32	17-25	15	29	41	10	570.804.M32
M40	24-32	15	35	52	10	570.804.M40
M50	29-38	16	40	59	10	570.804.M50
M63	36-44	16	42	65	10	570.804.M63

PG	ØD*	L	L	SW	VPE	Art#
PG7	3,5-6	9	18	15	20	570.804.007
PG9	5-8	9	22	19	20	570.804.009
PG11	6-10	9	22	22	20	570.804.011
PG13,5	8-13	10	23	24	20	570.804.013
PG16	10-15	10	23	26	20	570.804.016
PG21	13-19	11	29	32	20	570.804.021
PG29	17-25	12	29	41	10	570.804.029
PG36	24-32	14	35	52	10	570.804.036
PG48	36-44	18	42	65	10	570.804.048

ØD* = Clamping area in mm

Technical data

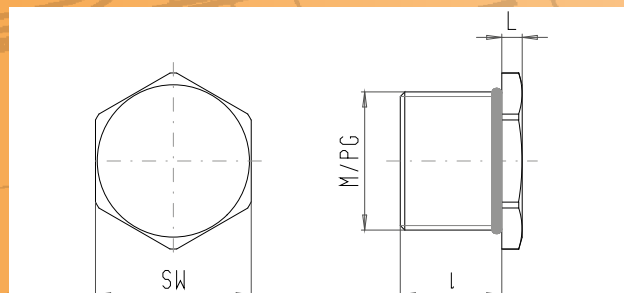
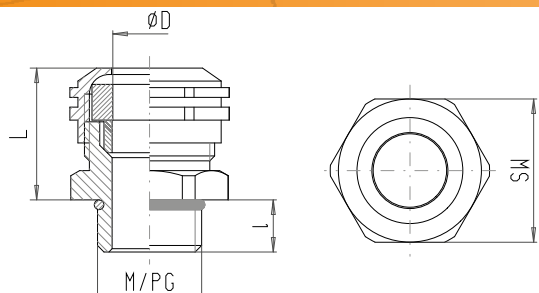
Cable glands



Exe II brass cable gland EMC version



Exe II brass locking plug



Material: Nickel-plated brass, O-ring gasket from neoprene, Perbunan O-ring
Ingress protection: IP 68 (with O-ring)
Per ATEX 100a cable glands exe II. Increased safety "e". In accordance with standards EN 50014/16/19 and EN 50281-1-1 and 2. In accordance with directive 94/9/EC.

Material: Brass, nickel-plated
Ingress protection: IP 68 with O-ring gasket
Per ATEX 100a Exe/ EEx d IIA,IIB,IIC locking screws Suitable for use in zones 1 and 2 for groups IIA, IIB and IIC
Increased safety „e“. In accordance with standards EN 50014/16/18/19 and EN 50281-1-1 and 2. In accordance with directive 94/9/EC.

M	ØD*	l	L	SW1	SW2	VPE	Art-#
M10	1,5-5	7	17	15	15	10	570.802.M10
M12	4-8	6,5	21,5	14	14	10	570.802.M12
M16	6-11	7	21,5	18	17	10	570.802.M16
M20	7,5-13	8	24	22	22	10	570.802.M20
M25	13,5-18	8	29	27	24	10	570.802.M25
M32	17,5-25	9	28	34	30	1	570.802.M32
M40	24,5-33,5	9	39	43	40	1	570.802.M40
M50	33-43	10	46	55	50	1	570.802.M50
M63	42,5-55	15	51	68	64	1	570.802.M63

M	l	L	SW	VPE	Art-#
M12	15	2,8	14	20	570.806.M12
M16	15	3	18	20	570.806.M16
M20	15	3	23	20	570.806.M20
M25	15	3,5	28	20	570.806.M25
M32	15	4	36	10	570.806.M32
M40	15	4	44	10	570.806.M40
M50	16	5	54	10	570.806.M50
M63	17	5,5	67	10	570.806.M63

PG	ØD*	l	L	SW1	SW2	VPE	Art-#
PG7	4-8	6	24	14	14	10	570.802.007
PG9	6-11	6	22	17	17	10	570.802.009
PG11	6-11	6	24	20	20	10	570.802.011
PG13,5	7,5-13	6,5	24	22	22	10	570.802.013
PG16	12,5-18	6,5	27	24	24	10	570.802.016
PG21	12,5-18	7	32	30	30	10	570.802.021
PG29	17,5-25	8	38	40	40	10	570.802.029
PG36	24,5-33,5	11	38	52	52	1	570.802.036

PG	l	L	SW	VPE	Art-#
PG7	15	2,8	15	20	570.806.007
PG9	15	2,8	18	20	570.806.009
PG11	15	3	21	20	570.806.011
PG13,5	15	3	23	20	570.806.013
PG16	15	3	26	20	570.806.016
PG21	15	3	32	20	570.806.021
PG29	15	4	41	10	570.806.029

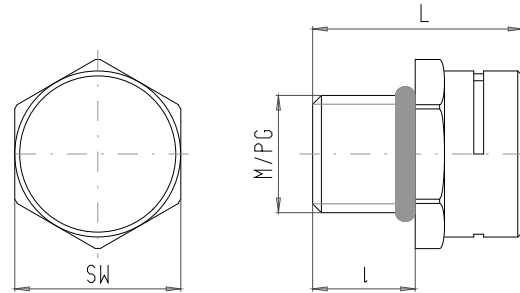
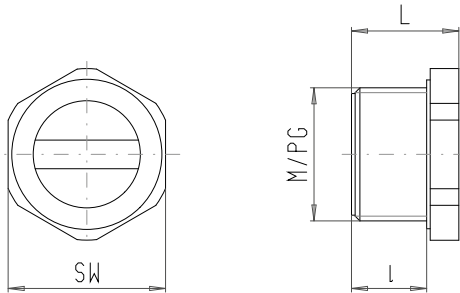
ØD* = Clamping area in mm



Exe II PA locking plug



V2A pressure compensating element



Material: Polyamide Ingress protection: IP 66
Per ATEX 100a locking screws Exe II
Suitable for use in zones 1 and 2 for groups
IIA, IIB and IIC.

Increased safety „e“ and intrinsic safety „i“. In
accordance with standards EN 50014/19/20
and EN 50281-1-1 and 2. In accordance with
directive 94/9/EC. Colour: RAL 9005 black.

Material: V2A
Ingress protection: IP66

M	L	L	SW	VPE	Art-#
M16	15	4	19	100	570.805.M16
M20	15	4	23	100	570.805.M20
M25	15	5	28	100	570.805.M25
M32	15	5,5	36	100	570.805.M32

PG	L	L	SW	VPE	Art-#
PG7	8	4	15	100	570.805.007
PG9	10	4,5	19	100	570.805.009
PG11	10,5	4,5	22	100	570.805.011
PG13,5	11	5	24	100	570.805.013
PG16	12	5	27	100	570.805.016
PG21	12,5	5,5	32	100	570.805.021
PG29	13,5	5,5	40	50	570.805.029

M	L	L	SW	VPE	Art-#
M12	10,5	21,5	17	10	570.001.112

Technical data

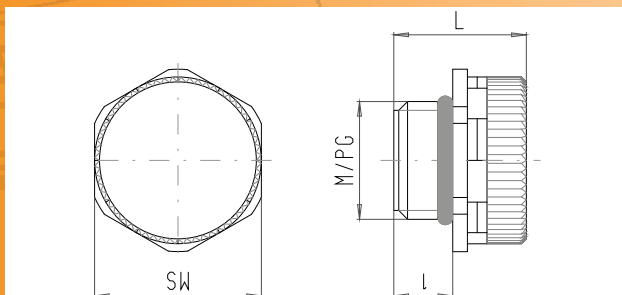
Cable glands



PA pressure compensating element



Assembly tool



Material: PA
Ingress protection: IP66
Colour: RAL 7035, light grey

Rapid assembly of cable glands and counter nuts.
Infinitely variable setting of the respective wrench size ratchet function when screwing tight and loosening.
True single-handed tool.

M	L	L	SW	VPE	Art-#
M12	6	7,5	17	10	570.004.112

Typ	L	g	SW	VPE	Art-#
MW 100	190	190	11-24	1	990.000.100
MW 200	240	240	24-36	1	990.000.200



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