



NEW PRODUCTS 2012/2013



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A Phoenix Mecano Company

ROSE Systemtechnik GmbH

The company was founded in 1969 and specializes in the development and production of high quality industrial enclosures, which are used in a variety of environmental conditions.

Phoenix Mecano AG / Switzerland is a global company.

The basis of our business success are systems from a wide range of high quality products, innovative design and first class customer service.

For more informations please visit our website

www.rose-pw.de

www.rose-ex-enclosures.com



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- Modern enclosure system for control and display systems
- Flexible size variability in height and width, 3 enclosure depths
- Easy mounting of door hinge and Sealsystem
- Integrated handle system

NEW:
Combination profile 4: 153 mm depth
for combinations
Profile 1 + Profile 4
Profile 2 + Profile 4
fixed / hinged

Included in delivery

Complete enclosure system incl. corners, seals, fixing elements, rear panel or door, front panel fixing set.

Technical Data

Material:

Profile: DIN EN 573 EN AW-ALMgSi

Cast corner: DIN EN AC-AISI 12Cu 1 (Fe)

Seal:

Material: corner: PE seal

Front panel: CR seal

Painting / Surface

Powder coating

or natural anodized

Colour:

Profile: optional RAL 7035 or natural anodized

Corner element: optional RAL 7035 or RAL 9007

Special colour on request

Ingress protection:

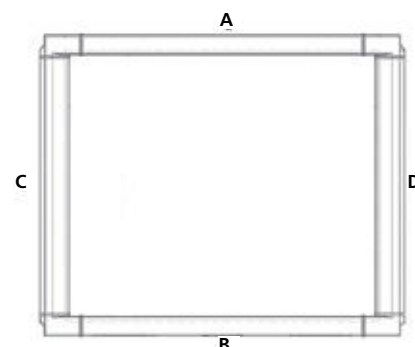
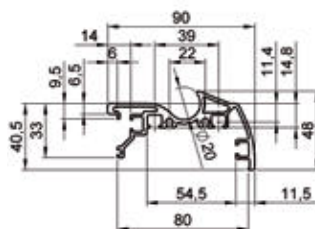
IP 65 to EN 60529

Temperature range:

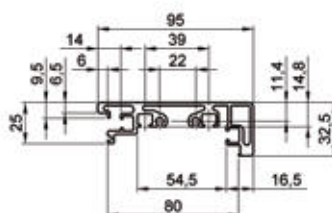
-30°C to +80°C

I. Profiles for control fitting by front panel

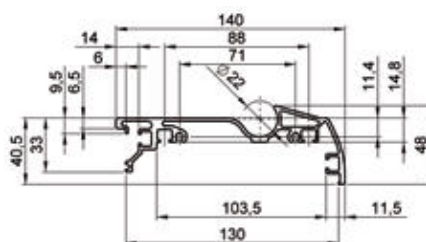
Profile 1 – Handle profile 90 Side C/D



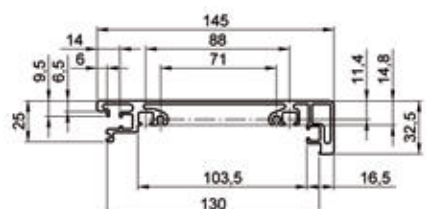
Profile 1 Body profile 90 Side A/B



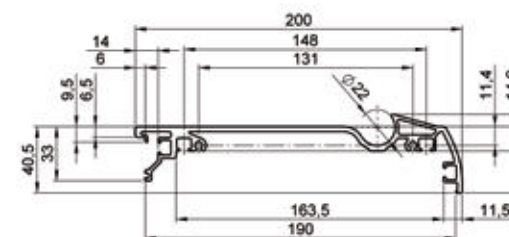
Profile 2 – Handle profile 140 Side C/D



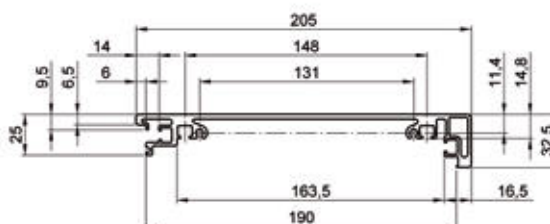
Profile 2 Body profile 140 Side A/B



Profile 3 – Handle profile 200* Side C/D

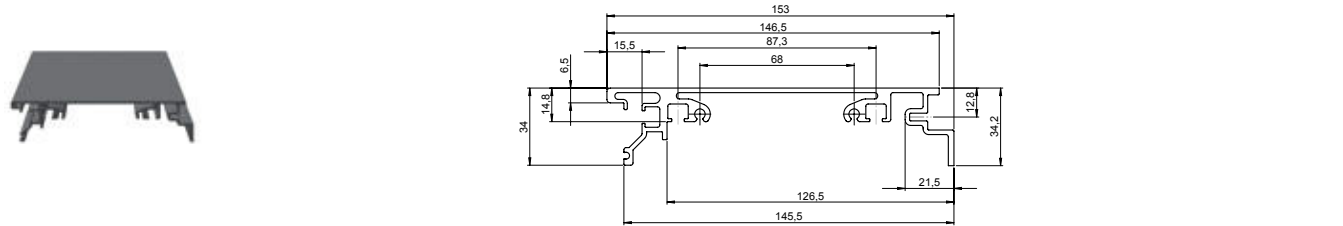
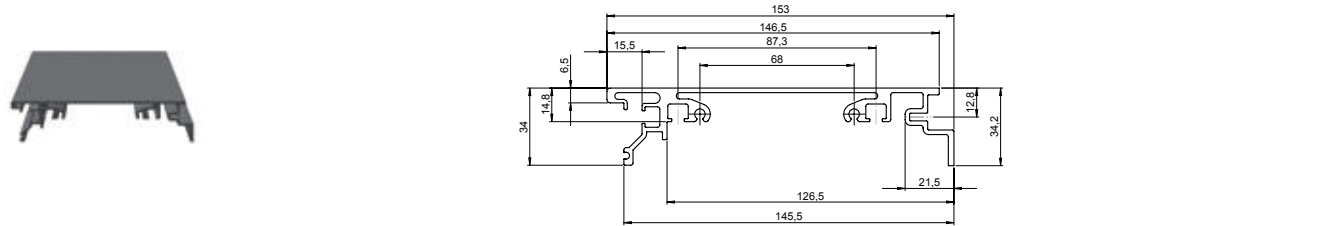


Profile 3 Body profile 200* Side A/B

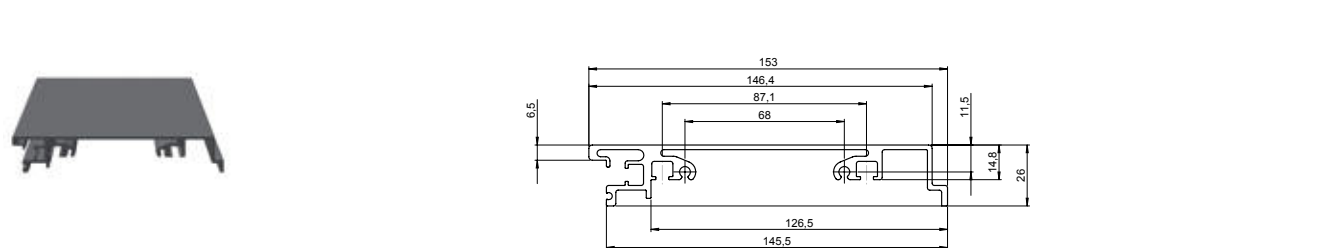
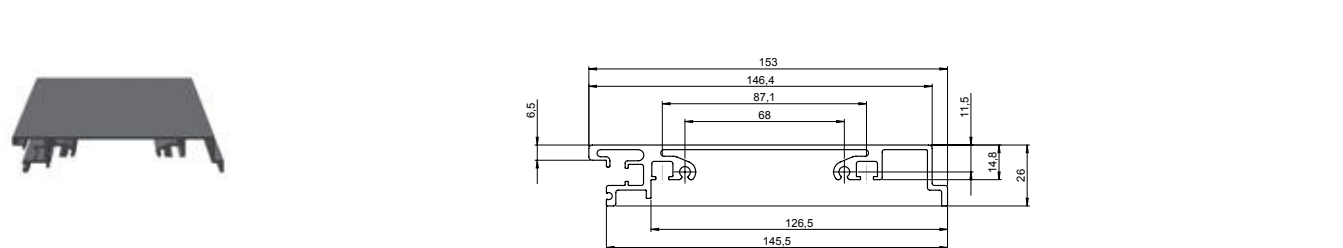


SL 4000

Profile 4 Side C/D



Profile 4 Side A/B

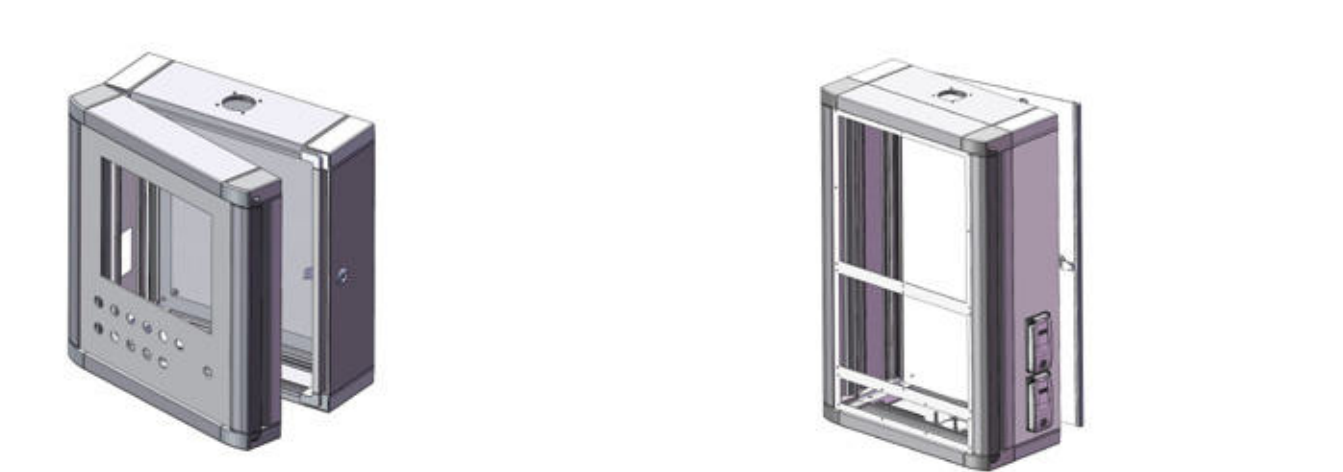
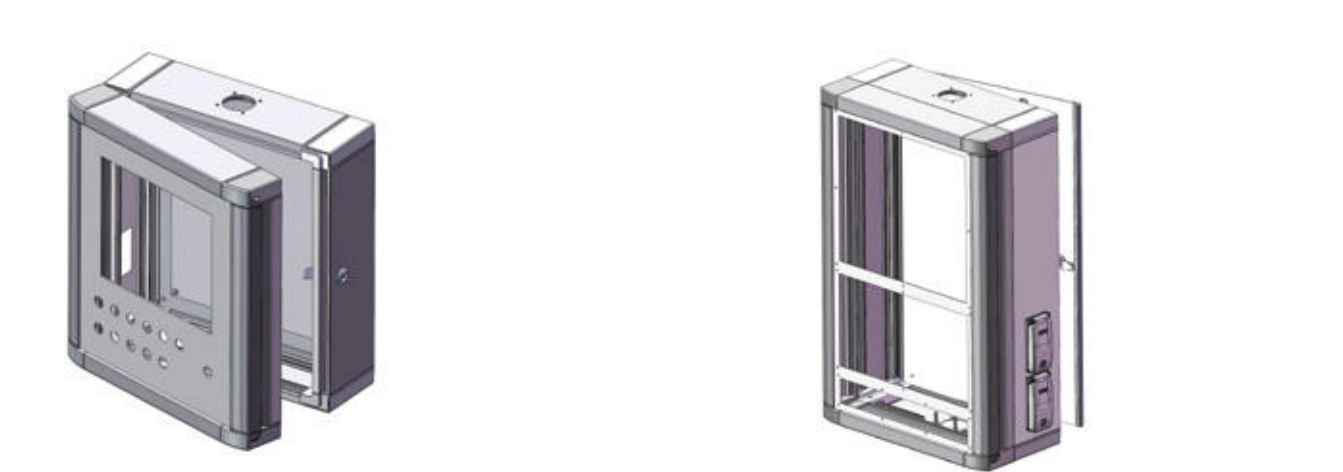


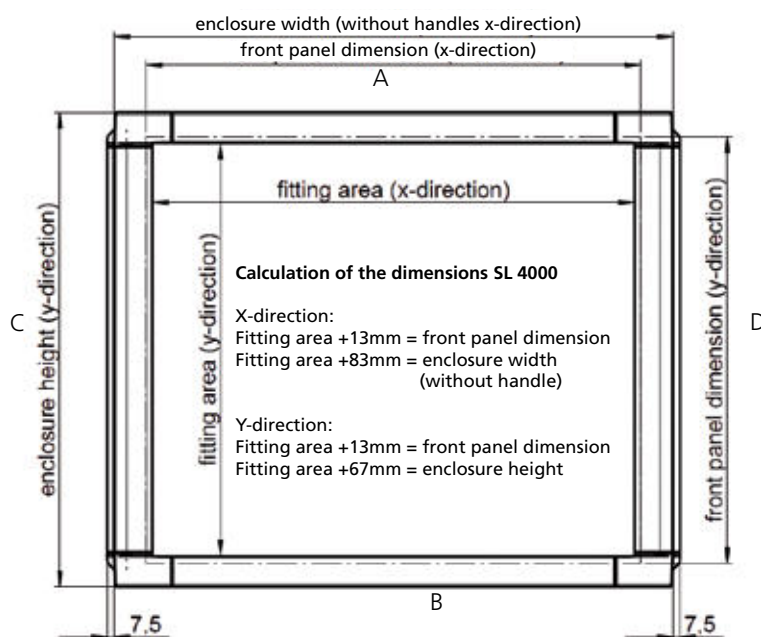
Profile connection options

fixed **hinged**

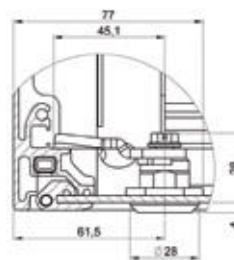


hinged

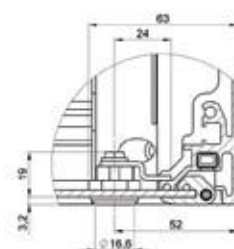




Position turn bolt fastener (rear wall)



Turn bolt fastener large
(reduction of fitting depth
25 mm)

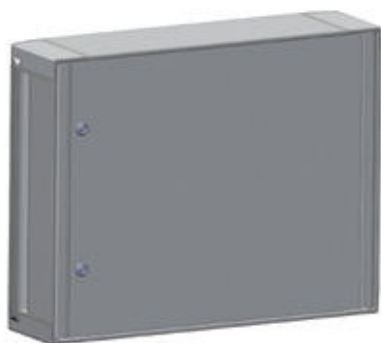


Turn bolt fastener small
(reduction of fitting depth
16 mm)

Rear wall principles

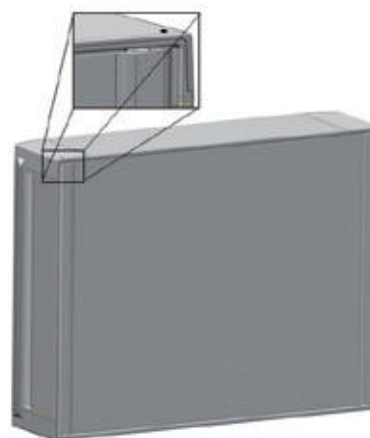
1. Standard configuration

- 2 spring elements as hinges allowing an easy way to change the hinge side
- The closing side is equipped with turn bolt fastener



2. Optional

- 2 spring elements as hinge
- 2 spring elements as snap lock
- Turn bolt fastener not applicable (Note: reduction of IP rating)



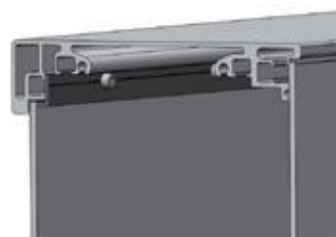
3. Optional

- Rear wall screwed



Front panel mounting

Front panel is mounted from inside. Quick and easy installation with four clamping bars.



Connection to suspension system

- Operating enclosure with suspension system connected from above or below
- Console enclosure connected from above

		GTS	GT 48/2	GTN II	GT 50/2	GT 60/2	GT 80/2	GTK 80	Moterm
Profile 1 	oben	•	•						
	unten	•	•						•
Profile 2 	oben	•	•	•	•	•			
	unten	•	•	•	•	•			•
Profile 3 	oben	•	•	•	•	•	•	•	
	unten	•	•	•	•	•	•	•	•
Profile combination P1/P4 	oben	•	•	•	•	•	•		
	unten	•	•	•	•	•	•		•
Profile combination P2/P4 	oben	•	•	•	•	•	•		
	unten	•	•	•	•	•	•		•

- Console enclosure with suspension system connected from below
- Console enclosure Moterm, connected from below
- Profile combination P1 + P4 or P2 + P4; suspension system connection onto profile P4

 Operating enclosure		GT5	GT 48/2	GTN II	GT 50/2	GT 60/2	GT 80/2	GTK 80	Moterm
Profile 1 	Console enclosure Profile 1 	•	•						•
Profile 1 	Profile 2 	•	•						•
Profile 2 	Profile 1 	•	•	•	•	•			•
Profile 2 	Profile 2 	•	•	•	•	•			•
Profile 3 	Profile 1 	•	•	•	•	•	•		•
Profile 3 	Profile 2 	•	•	•	•	•	•		•
NEW Profile 1 + 4 	Profile 1 	•	•	•	•	•	•		•
NEW Profile 2 + 4 	Profile 2 	•	•	•	•	•	•		•

Note: minimum fitting width of front plate towards suspension system:

GTKe = 411 mm; GT 48/2 = 451 mm; GTN II = 451 mm; GT 50/2 = 501 mm; GT 60/2 = 551 mm; GT 80/2 = 569 mm

Further informations see catalogue „Display and operating enclosures“



- Complete customized units for maximum operator comfort in all areas of production
- In design and execution coordinated system
- Ingress protection IP 65
- Integrated handles
- Compact size
- Service friendly construction

Included in delivery:

Standard execution with steel workplate, front door, rear door, plinth, locking system, 2 fix shelves.
Customized execution according demand

Technical Data

Operating enclosure:

Aluminium profile Commander system with individual sizes, configurations and colours

Coupling system:

Customized execution, turnable, optionally inclinable with huge cable outlet. Optionally with tube or direct mounting

Base cabinet:

Sheet steel base cabinet with front door and rear door, individual internal execution with shelves and removable shelf
Dimensions (W x H x D): 600 x 1100 x 600 mm
Door with 180° opening area hinged right, lockable

Colour:

RAL 7035 / RAL 7043
other colours on request

Ingress protection:

IP 65

Customized execution on demand

Construction

Commander



Coupling



Base cabinet



Industrial Workstation RIW

Base cabinet

Standard execution

Order No. **38.03 01 01**



Work plate



Front door, rear door



Plinth



Locking system



2 fix shelves

Base cabinet, individual execution

Custom made solution acc. specification

Order No. **38.03 99 99 8**



Front door, rear door



Front door, rear wall screwed



Base:
Plinth, 100 mm height or 4 steerable rolls



Front door with window, rear door



Front door with window, rear wall screwed



Locking systems:
Triangular lock
Square lock
Double ward
Lock cylinder

Further information see flyer „Workstation RIW“



- New products:
Fixed coupling
Angle GTN II/ GTS
GTN II anodized profile

Included in delivery:

System individual components incl. cable duct cover and assembly material.

Technical Data

Material:

connecting tube: DIN EN 573 EN AW-ALMgSi
components: DIN EN 1706 EN AC-ALSi 12 (Fe)
cover profile: plastic TPE

Seal:

CR- and/or PU-foam

Painting:

powder coating

Colour:

tube, components: RAL 7035, light grey
cover profile: RAL 9005, jet black

Ingress protection:

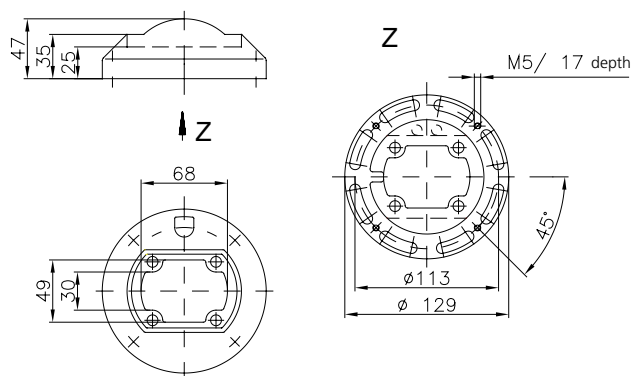
IP 54 to EN 60529

Free cable passage:

connecting tube:
profile open 27 x 32 mm
profile closed 51 mm diameter
system components: 51 mm diameter



GTN II fixed coupling
Order No. **49.47 73 03**



Application areas



Connection onto slim command systems



Fixed footstand

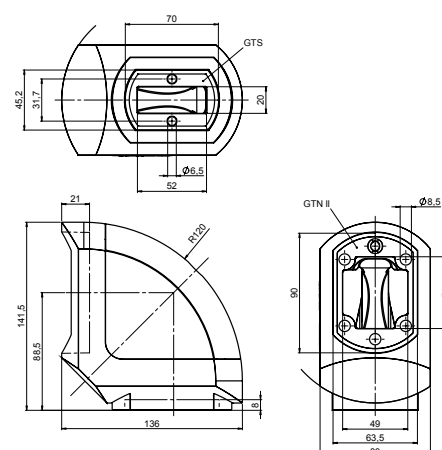


Fixed wall connection



Angle GTN II / GTS
for combination GTN II and GTS suspension system

Order No. **49.47 71 44**



GTN II



GTN anodized profile

Suggestion: order components (coupling, angle etc.) in colour RAL 9007

Order No.

49.47 11 01 GTN II profile open anodized 0,5 m

49.47 11 02 GTN II profile open anodized 1 m

49.47 11 03 GTN II profile open anodized 2 m

49.47 11 99 GTN II profile open anodized variable length

49.47 21 01 GTN II profile closed anodized 0,5 m

49.47 21 02 GTN II profile closed anodized 1 m

49.47 21 03 GTN II profile closed anodized 2 m

49.47 21 99 GTN II profile closed anodized variable length



- Aluminium profile suspension system for light/medium loads up to 30 kg
- Product family GTN / GTS
- Combined with all Commander systems
- Standardly adjustable solution for individual loads

Technical data

Material:

Connecting tube: DIN EN 573 EN AW-ALMgSi

Components: DIN EN 1706 EN AC-ALSi 12 (Fe)

Seal:

CR- and/or PU-foam

Painting:

Powder coating

Colour:

Tube, components: RAL 7035, light grey

Ingress protection:

IP 54 to EN 60529

Free cable passage:

Connecting tube: 53 x 19 mm

System components: 53 x 19 mm

Included delivery:

System individual components incl. cable duct cover and assembly material.

GTS

Product range

		Order No.
GTS Top mounted joint		49.44 66 00
GTS Foot stand		49.44 72 00
GTS Wall hinge W		49.44 70 00
GTS Angle		49.44 71 00
GTS Angle GTN II / GTS		49.47 71 44
GTS Coupling		49.44 73 00
GTS Flange coupling		49.44 77 00
GTS Angle coupling		49.44 75 00
GTS Flat panel adapter		49.44 90 01
GTS Foot stand pivotable		49.44 72 21
GTS Inclining adapter		49.44 80 00
GTS Coupling Siemens PRO		49.44 73 02
GTS Angle coupling Siemens PRO		49.44 75 02
GTS Adaption plate Siemens Pro		49.44 00 01

Aluminium profile, maximum outreach 1,5 m

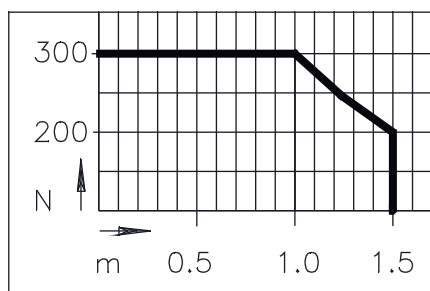
Connecting tube, RAL 7035	Order No.
GTS profile 0,5 m	49.44 10 01
GTS profile 1 m	49.44 10 02
GTS profile 2 m*	49.44 10 03
Variable length (please specify)	49.44 99 99

Aluminium profile, maximum outreach 1,5 m

GTS profile anodized 0,5 m	49.44 11 01
GTS profile anodized 1 m	49.44 11 02
GTS profile anodized 2 m*	49.44 11 03
GTS profile anodized variable length (please specify)	49.44 99 99

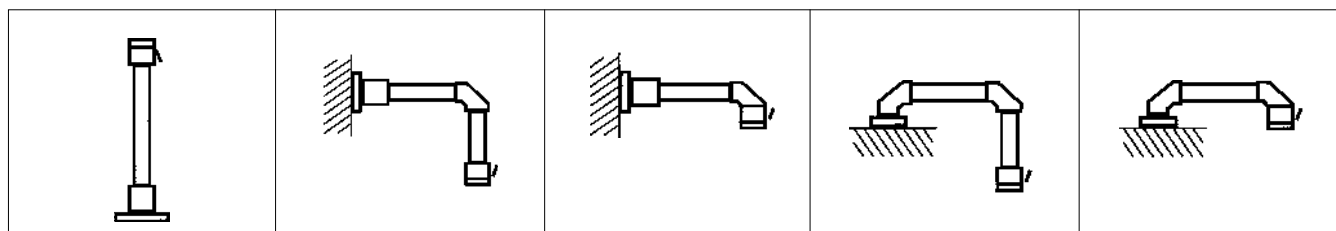
* without threaded hole

Load diagram



Note: the vertical length of the profile is responsible for the load of the complete suspension system (lever arm!). Further information for this on request. The values in the above load diagram are guilty to an execution hanging or standing. The declarations of weight are a summary from installation weight, COMMANDER and all components and tubes between COMMANDER and angle.

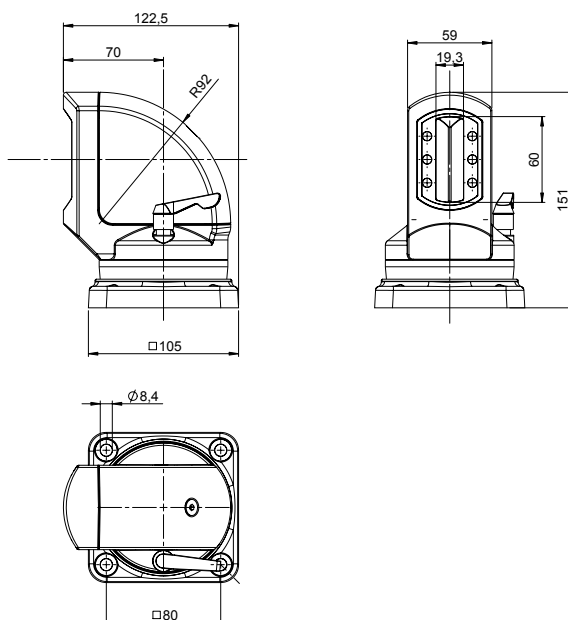
Added system elements





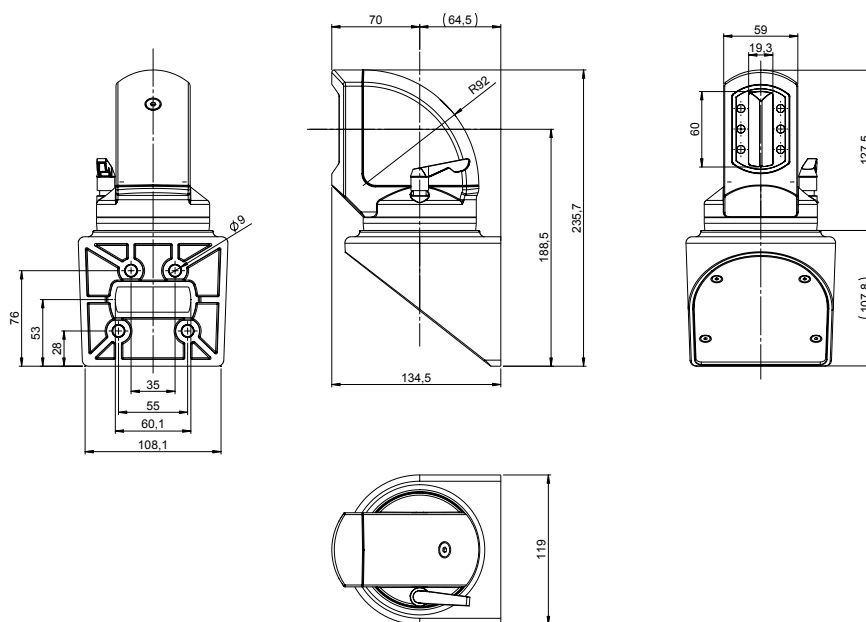
GTS Top-mounted joint
Cast aluminium with flange mounting.
Swivelling range 330°

Order No. **49.44 66 00**



GTS Wall hinge
Cast aluminium with plain bearing
Swivelling range 330°

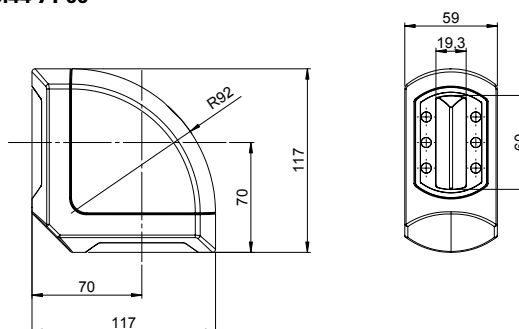
Order No. **49.44 70 00**





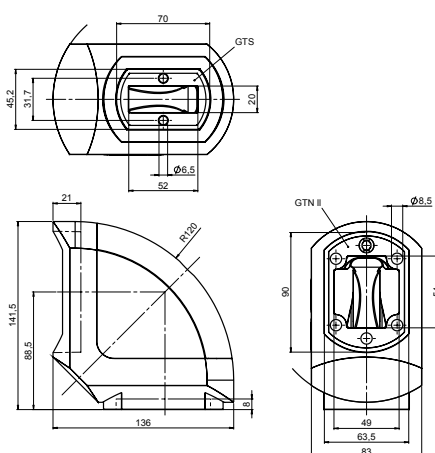
GTS Angle
Cast aluminium, angle 90°

Order No. **49.44 71 00**



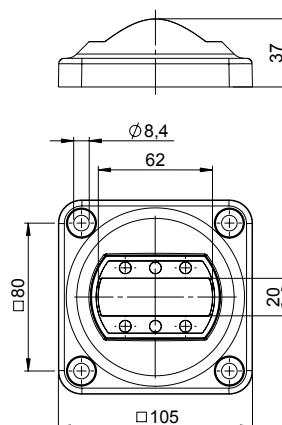
GTS Angel GTN II / GTS
for combination GTN II and GTS

Order No. **49.47 71 44**



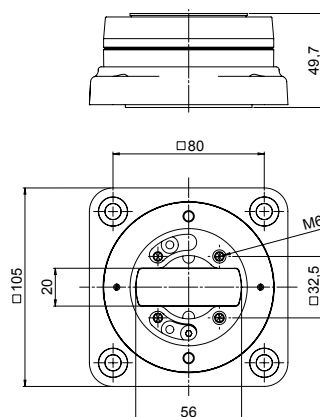
GTS Foot stand
Cast aluminium, fixed version

Order No. **49.44 72 00**



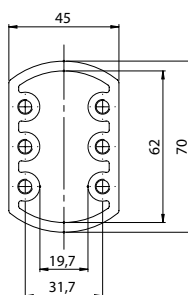
**GTS Foot stand pivotable**

Diecast aluminium with adjustable stop for direct connection onto machine and command unit

Order No. **49.44 72 21****GTS Profile, RAL 7035**

Aluminium extrusion profile

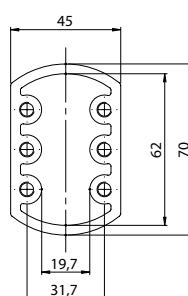
Order No.	Length
49.44 10 01	0,5 m
49.44 10 02	1 m
49.44 10 03	2 m
49.44 10 99	variable length (please specify)

**GTS Profile anodized**

Aluminium extrusion profile

Suggestion: Order components (Coupling, angle, etc.) in RAL 9007

Order No.	Length
49.44 11 01	0,5 m
49.44 11 02	1 m
49.44 11 03	2 m
49.44 99 99	variable length (please specify)



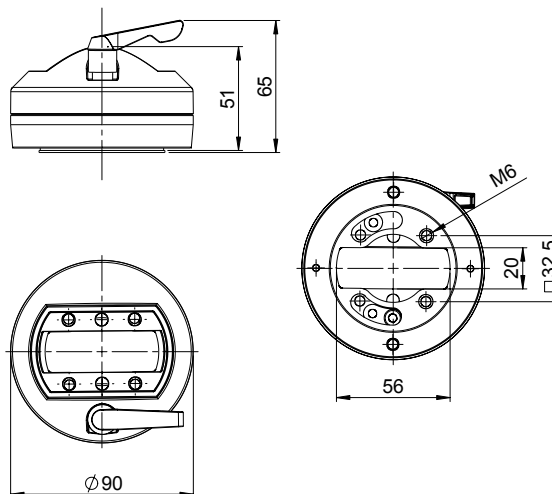


GTS Coupling

Cast aluminium. Coupling assembled from inside of enclosure, connection not visible from the outside.

Swivelling range until 330° adjustable via clamping lever (swivelling range cannot be adjusted)

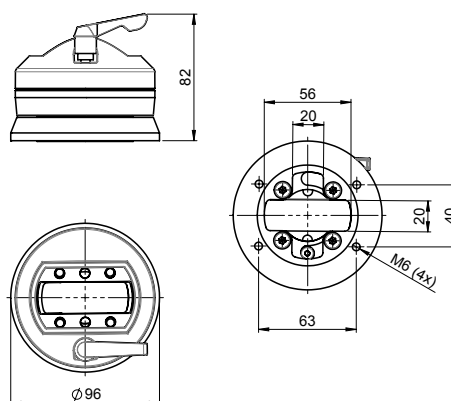
Order No. **49.44 73 00**



GTS Coupling Siemens PRO

For direct connecting of Siemens PRO command units. Diecast aluminium, coupling mounting onto Siemens base adaption, swivel range 330°, infinitely lockable by clamping lever.

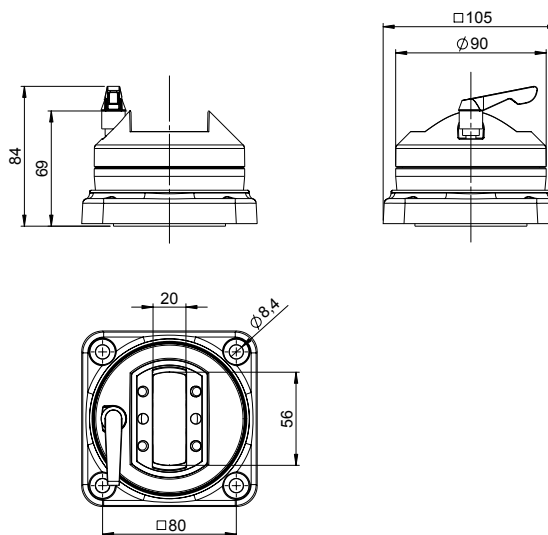
Order No. **49.44 73 02**



**GTS Flange coupling**

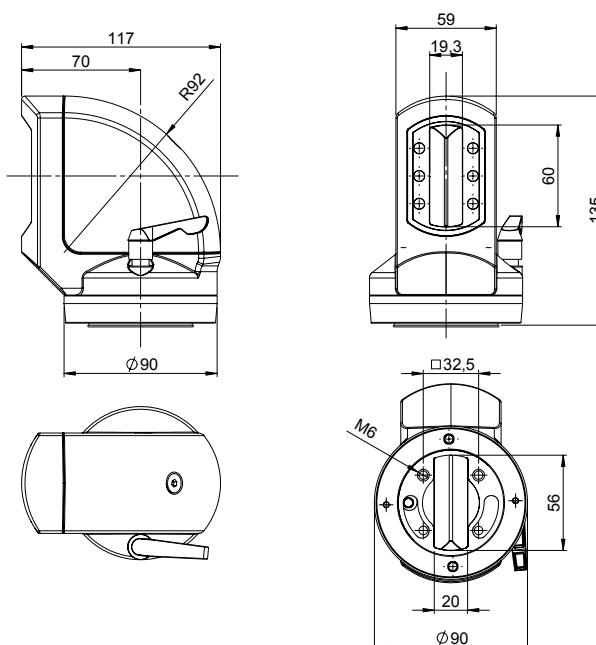
Cast aluminium. Coupling assembled from outside with flange, connection visible from the outside. Swivelling range until 330° adjustable via clamping lever (swivelling range cannot be adjusted)

Order No. **49.44 77 00**

**GTS Angle coupling**

Combination of angle and coupling for horizontal tube exit. Cast aluminium. Coupling assembled from inside of enclosure, connection not visible from the outside. Swivelling range until 330° adjustable via clamping lever (swivelling range cannot be adjusted)

Order No. **49.44 75 00**

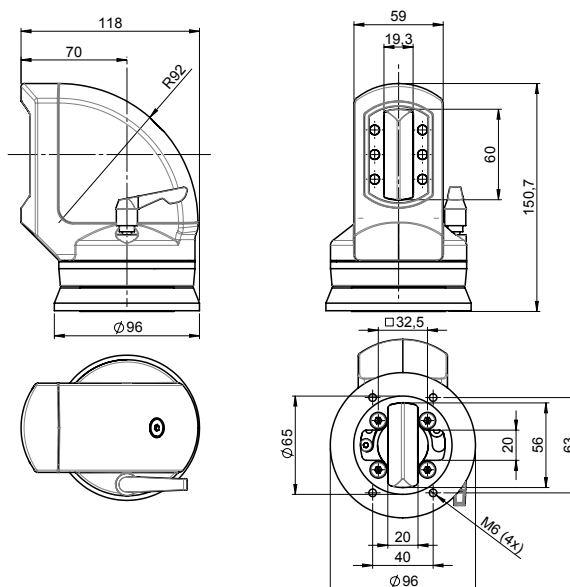




GTS anglecoupling Siemens PRO

For direct connecting of Siemens PRO command units. Diecast aluminium, coupling mounting onto Siemens baseadaption, swivel range 330°, infinitely lockable by clamping lever.

Order No. **49.44 75 02**



GTS adaptionplate Siemens PRO

For connecting GTS system components (e.g. inclining adapter) with Siemens PRO command units. With GTS coupling Siemens PRO and GTS angle coupling Siemens Pro not necessary (included in delivery)

Order No. **49.44 00 01**



Inclining adapter GTS

Aluminium diecast element with bellows and gasket. Inclining range from 0° to 45° continuously adjustable. Fixing with screws between enclosure and coupling.

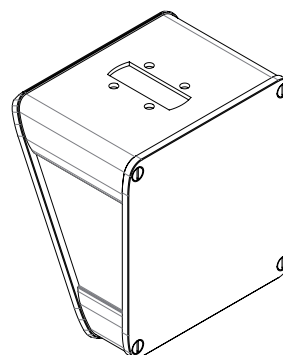
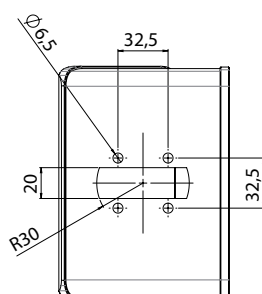
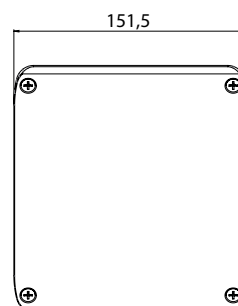
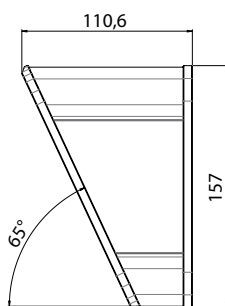
Order No. **49.44 80 00**



Flat panel adapter

Aluminium profile system for rear connection of GTS to flat panels. RAL 7035, light grey

Order No. **49.44 90 01**

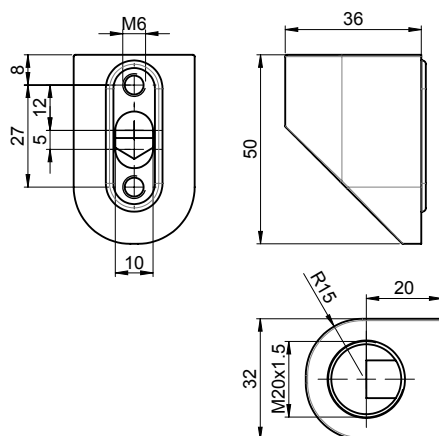


Signallight adaptaion



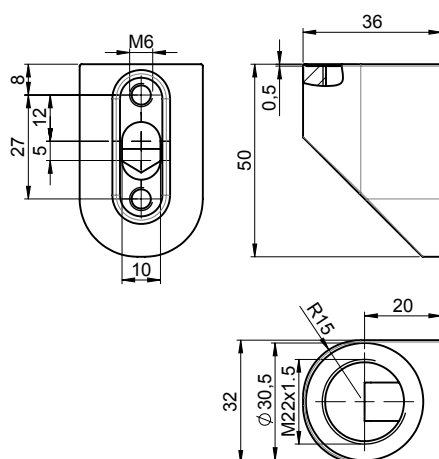
Base connection element for suspension systems, command units and cabinets
Signal light adaptation with thread M20x1,5 mm

Order No. **49.00 01 01**



Base connection element for suspension systems, command units and cabinets
Signal light adaptation with thread M22x1,5 mm

Order No. **49.00 01 02**





Single interfaces (IP 65) incl. connection cable and plug
or mounting on profile, front plate or rear wall

Order No.	Version
20.90 10 01	USB-Interface
20.90 10 02	RJ45-Interface
20.90 11 03	USB-Interface without cable
20.90 11 04	RJ45-Interface without cable



Single interface flaps, metal,
For data interfaces and electrical socket.
Profile 1/2/3: Rear wall or frontplate
Profile 2/3/4: Sidewise onto profile (Side C/D)

Order No.	Version
20.90 10 10	Version 1 Frame: Metal, dim nickel plated Lid: Plastic, transparent
20.90 10 11	Version 2 Frame: Metal, dim nickel plated Lid: Metal, dim nickel plated
20.90 10 12	Version 3 Frame: Metal, black coated Lid: Metal, black coated



Single interface flaps, plastic
For data interfaces and electrical socket.
Profile 1/2/3: Rear wall or frontplate
Profile 2/3/4: Sidewise onto profile (Side C/D)

Order No.	Version
20.90 10 14	Version 7 Frame: Plastic, black Lid: Plastic transparent Lock: 3 mm Double ward
20.90 10 15	Version 4 Frame: Plastic, black Lid: Plastic transparent Lock: Knob
20.90 10 16	Version 8 Frame: Plastic, black Lid: Plastic, metallic silver Lock: 3 mm Double ward
20.90 10 17	Version 5 Frame: Plastic, black Lid: Plastic, metallic silver Lock: Knob
20.90 10 18	Version 9 Frame: Plastic, black Lid: Plastic light grey Lock: 3 mm Double ward
20.90 10 19	Version 6 Frame: Plastic, black Lid: Plastic, light grey Lock: Knob

Commander system accessories



Double interface flaps, metal

For data interfaces and electrical socket.

Profil 1/2/3: Rear wall or front panel

Profil 2/3/4: sidewise onto profile (Side C/D)

Order No.

20.90 11 10 Version 11
Frame: Metal, dim nickel plated
Lid: Plastic transparent

20.90 11 11 Version 12
Frame: Metal, dim nickel plated
Lid: Metal, dim nickel plated

20.90 11 12 Version 13
Frame: Metal, black
Lid: Metal, black



Double interface flaps, plastic

For data interfaces and electrical socket.

Profil 1/2/3: Rear wall oder front panel

Profil 2/3/4: Sidewise onto profile (Side C/D)

Order No.

20.90 11 14 Version 17
Frame: Plastic, black
Lid: Plastic transparent
Lock: 3 mm Double ward

20.90 11 15 Version 14
Frame: Plastic, black
Lid: Plastic transparent
Lock: Knob

20.90 11 16 Version 18
Frame: Plastic, black
Lid: Plastic metallic silver
Lock: 3 mm Double ward

20.90 11 17 Version 15
Frame: Plastic, black
Lid: Plastic metallic silver
Lock: Knob

20.90 11 18 Version 19
Frame: Plastic, black
Lid: Plastic light grey
Lock: 3 mm Double ward

20.90 11 19 Version 16
Frame: Plastic, black
Lid: Plastic light grey
Lock: Knob



Flap insert

Order No. Schuko/FI

20.90 11 05 Germany (VDE) with additional cut-out for earth
leakage circuit breaker
(can only be used onto double flaps)

Flap inserts

Data Interfaces



SUB-D9; SUB-D9

2 × SUB-D9 (socket/pin)

Order No. **20.90 10 30**



SUB-D9; SUB-D9

2 × SUB-D9 (solder connection/socket)

Order No. **20.90 10 31**



SUB-D9; SUB-D9

1 × SUB-D9 (solder connection/socket); 1 × SUB-D9 (solder connection/pin)

Order No. **20.90 10 32**



SUB-D9

1 × SUB-D9 (solder connection/socket);
1 × blank cover for SUB-D9

Order No. **20.90 10 33**



SUB-D9

1 × SUB-D9 (socket/socket)

Order No. **20.90 10 34**



SUB-D9; SUB-D9

1 × SUB-D9 (socket/socket); 1 × SUB-D9 (pin/pin)

Order No. **20.90 10 35**



SUB-D9; SUB-D9

2 × SUB-D9 (socket/socket)

Order No. **20.90 10 36**



SUB-D9; SUB-D15

1 × SUB-D9 (socket/pin);
1 × SUB-D15 (socket/pin)

Order No. **20.90 10 37**



SUB-D9; SUB-D15

1 × SUB-D9 (solder connection/socket);
1 × SUB-D15 (solder connection/socket)

Order No. **20.90 10 38**

Commander system accessories

Data Interfaces



SUB-D9; SUB-D15

1 × SUB-D9 (socket/socket);
1 × SUB-D15 (socket/socket)

Order No. **20.90 10 39**



SUB-D9; SUB-D25

1 × SUB-D9 (socket/pin);
1 × SUB-D25 (socket/pin)

Order No. **20.90 10 40**



SUB-D9; SUB-D25

1 × SUB-D9 (solder connection/socket);
1 × SUB-D25 (solder connection/socket)

Order No. **20.90 10 41**



SUB-D9; SUB-D25

1 × SUB-D9 (solder connection/pin);
1 × SUB-D25 (solder connection/socket)

Order No. **20.90 10 42**



SUB-D15; SUB-D15

2 × SUB-D15 (socket/pin)

Order No. **20.90 10 43**



SUB-D15; SUB-D15

2 × SUB-D15 (solder connection/socket)

Order No. **20.90 10 44**



SUB-D15

1 × SUB-D15 (solder connection/socket);
1 × blank cover for SUB-D9

Order No. **20.90 10 45**



SUB-D15; SUB-D25

1 × SUB-D15 (socket/pin);
1 × SUB-D25 (socket/pin)

Order No. **20.90 10 46**



SUB-D15; SUB-D25

1 × SUB-D15 (solder connection/socket);
1 × SUB-D25 (solder connection/socket)

Order No. **20.90 10 47**

Data Interfaces



SUB-D25; SUB-D25
2 × SUB-D25 (socket/pin)
Order No. **20.90 10 48**



SUB-D25; SUB-D25
2 × SUB-D25 (solder connection/socket)
Order No. **20.90 10 49**



SUB-D25
1 × SUB-D25 (solder connection/socket);
1 × blank cover for SUB-D9
Order No. **20.90 10 50**



SUB-D25
1 × SUB-D25 (socket/pin);
1 × blank cover for SUB-D9
Order No. **20.90 10 51**



PS2; PS2; SUB-D15 HD
2 × PS2 (6-pole. solder connection);
1 × SUB-D15 HD (socket/pin)/VGA
Order No. **20.90 10 52**



PS2; SUB-D15 HD
1 × PS2 (6-pole. solder connection);
1 × SUB-D15 HD (solder connection/socket)/VGA
Order No. **20.90 10 53**



SUB-D15 HD; RJ45; USB; USB (type A)
1 × SUB-D15 HD (socket/pin); 1 × RJ45, 8-pole. Metal, CAT5e (socket/socket); 2 × USB (socket/socket) type A
Order No. **20.90 10 54**



RJ45; RJ12; USB; USB (type A)
1 × RJ45, 8-pole. Metal, CAT5e (socket/socket); 1 × RJ12, 6-pole. Plastic; 2 × USB (socket/socket) type A
Order No. **20.90 10 55**



RJ45; RJ45; USB; USB (type A)
2 × RJ45, 8-pole. Metal, CAT5e (socket/socket); 2 × USB (socket/socket/0.7 m cable) type A
Order No. **20.90 10 56**

Commander system accessories

Data Interfaces



RJ45; USB (type A); DVI

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × USB (socket/socket) Type A; 1 × DVI (socket/
socket)

Order No. **20.90 10 57**



RJ45; RJ45; USB (type A)

2 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × USB (socket/socket) Type A

Order No. **20.90 10 58**



RJ45; USB; USB (type A)

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
2 × USB (socket/socket) Type A

Order No. **20.90 10 59**



RJ45; RJ45; USB; USB (type A)

2 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
2 × USB (socket/socket) Type A

Order No. **20.90 10 60**



RJ45; RJ12; SUB-D25

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × RJ12, 6-pole. Plastic; 1 × SUB-D25 (socket/pin)

Order No. **20.90 10 61**



RJ45; SUB-D9; SUB-D9

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × SUB-D9 (socket/socket); 1 × SUB-D9 (pin/pin)

Order No. **20.90 10 62**



RJ45; RJ12; SUB-D9

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × RJ12, 6-pole. Plastic; 1 × SUB-D9 (socket/
socket)

Order No. **20.90 10 63**



RJ12; RJ12; SUB-D9

2 × RJ12, 6-pole. Plastic;
1 × SUB-D9 (socket/socket)

Order No. **20.90 10 64**



RJ45; SUB-D9; SUB-D9

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
2 × SUB-D9 (socket/socket)

Order No. **20.90 10 65**

Data Interfaces



RJ45; USB; SUB-D9; SUB-D9

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × USB (socket/socket) Type A; 2 × SUB-D9
(socket/socket)

Order No. **20.90 10 66**



RJ45; USB; SUB-D9; SUB-D9

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × USB (socket/socket) Type A; 1 × SUB-D9
(socket/socket); 1 × SUB-D9 (pin/pin)

Order No. **20.90 10 67**



RJ45; SUB-D9; PS2; PS2 (UL)

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × SUB-D9 (pin/pin); 2 × PS2 (socket/socket)

Order No. **20.90 10 68**



RJ45; RJ45

2 × RJ45, 8-pole. Metal, CAT5e (socket/socket)

Order No. **20.90 10 69**



RJ45

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × blank cover for SUB-D9

Order No. **20.90 10 70**



RJ45; RJ45; RJ45; RJ45

4 × RJ45, 8-pole. Metal, CAT5e (socket/socket)

Order No. **20.90 10 71**



USB (type A); RJ45

1 × USB (socket/socket) Type A; 1 × RJ45, 8-pole.
Metal, CAT5e (socket/socket)

Order No. **20.90 10 72**



RJ45; SUB-D9

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × SUB-D9 (socket/socket)

Order No. **20.90 10 73**



1 × RJ45, 8-pole. Metal, CAT5e (socket/socket); 1 × USB (socket/socket) Type A;
1 × SUB-D9 (socket/pin)

Order No. **20.90 10 74**

Commander system accessories

Data Interfaces



RJ45; USB (type A); SUB-D9

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × USB (socket/socket) Type A; 1 × SUB-D9
(socket/socket)

Order No. **20.90 10 75**



RJ45; USB (type A); SUB-D9

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × USB (socket/socket) Type A; 1 × SUB-D9
(solder connection/socket)

Order No. **20.90 10 76**



PS2; PS2; RJ45

2 × PS2 (6-pole. solder connection); 1 × RJ45,
8-pole. Metal, CAT5e (socket/socket)

Order No. **20.90 10 77**



RJ45; SUB-D9; PS2; PS2

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × SUB-D9 (pin/pin);
2 × PS2 (6-pole. solder connection)

Order No. **20.90 10 78**



RJ45; RJ45; SUB-D25

2 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × SUB-D25 (socket/pin)

Order No. **20.90 10 79**



RJ45; RJ45; SUB-D9

2 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × SUB-D9 (socket/pin)

Order No. **20.90 10 80**



SUB-D25; SUB-D9; RJ45

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
1 × SUB-D9 (socket/pin); 1 × SUB-D25 (socket/pin)

Order No. **20.90 10 81**



BNC; SUB-D9; RJ45

1 × BNC (socket/socket); 1 × RJ45, 8-pole. Metal,
CAT5e (socket/socket); 1 × SUB-D9 (socket/pin)

Order No. **20.90 10 82**



BNC; RJ45; SUB-D9

1 × BNC (socket/socket); 1 × RJ45, 8-pole. Metal,
CAT5e (socket/socket); 1 × SUB-D9 (socket/socket)

Order No. **20.90 10 83**

Data Interfaces



RJ45; RJ12; USB; USB (type A)
 1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
 1 × RJ12, 6-pole. Plastic; 2 × USB (socket/socket)
 Type A

Order No. **20.90 10 84**



USB (type A)
 1 × USB (socket/socket) Type A

Order No. **20.90 10 85**



USB (type A); USB (type A)
 2 × USB (socket/socket) Type A

Order No. **20.90 10 86**



RJ45; RJ45; USB (type A)
 2 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
 1 × USB (socket/socket) Type A

Order No. **20.90 10 87**



USB; USB; USB; USB (type A)
 4 × USB (socket/socket) Type A

Order No. **20.90 10 88**



RJ45; USB; USB (type A)
 1 × RJ45, 8-pole. Metal, CAT5e (socket/socket);
 2 × USB (socket/socket/0.7 m Kabel) Type A

Order No. **20.90 10 89**



RJ45; RJ45; USB; USB (type A) 2 × RJ45, 8-pole.
 metal, CAT5e (socket/socket); 2 × USB (socket/
 socket/0.7 m cable) Type A

Order No. **20.90 10 90**



USB (type A); SUB-D25
 1 × USB (socket/socket/0.7 m Kabel) Type A;
 1 × SUB-D25 (socket/pin)

Order No. **20.90 10 91**



USB (type A); SUB-D25
 1 × USB (socket/socket) Type A; 1 × SUB-D25
 (socket/pin)

Order No. **20.90 10 92**

Commander system accessories

Data Interfaces



USB (type A); SUB-D9

1 × USB (socket/socket) Type A; 1 × SUB-D9 (solder connection/socket)

Order No. **20.90 10 93**



SUB-D15 HD; RJ45; USB; USB (type A)

1 × SUB-D15 HD (socket/pin); 1 × RJ45, 8-pole. Metal, CAT5e (socket/socket); 2 × USB (socket/socket) Baufl. A

Order No. **20.90 10 94**



USB (type A); RJ45

1 × USB (Buchse/Buchse/0.7 m Kabel) Type A; 1 × RJ45, 8-pole. Metal, CAT5e (socket/socket)

Order No. **20.90 10 95**



USB (type A); SUB-D9; RJ45

1 × USB (socket/socket/0.7 m cable) Type A; 1 × SUB-D9 (socket/pin); 1 × RJ45, 8-pole. Metal, CAT5e (socket/socket)

Order No. **20.90 10 96**



USB (type A); RJ45

1 × USB (socket/socket) Type A; 1 × RJ45, 8-pole. Metal, CAT5e (socket/socket)

Order No. **20.90 10 97**



RJ45; USB (type A); SUB-D9

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket); 1 × USB (socket/socket) Type A; 1 × SUB-D9 (socket/pin)

Order No. **20.90 10 98**



RJ45; USB (type A); SUB-D9

1 × RJ45, 8-pole. Metal, CAT5e (socket/socket); 1 × USB (socket/socket) Type A; 1 × SUB-D9 (socket/socket)

Order No. **20.90 10 99**



USB (type A); SUB-D25; RJ45

1 × USB (socket/socket) Type A; 1 × SUB-D25 (socket/pin); 1 × RJ45, 8-pole. Metal, CAT5e (socket/socket)

Order No. **20.90 11 00**



USB (type A); SUB-D25; RJ45

1 × USB (socket/socket) Type A; 1 × SUB-D25 (socket/solder connection); 1 × RJ45, 8-pole. Metal, CAT5e (socket/socket)

Order No. **20.90 11 01**

Data Interfaces



USB (type A); SUB-D9; RJ12

1 × USB (socket/socket) Type A; 1 × SUB-D9 (socket/socket); 1 × RJ12, 6-pole. Plastic

Order No. **20.90 11 02**

Flap insert:

Plug insert



Germany (VDE)

grey, screw clamps, LED (yellow)

Order No. **20.90 10 24**



France(UTE),
screw clamps

Order No. **20.90 10 26**



Italy (CEI 23-16),

with electric shock protection, screw clamps

Order No. **20.90 10 28**



USA (NEMA 5-15),
screw clamps

Order No. **20.90 10 20**



UK (BS),
with electric shock protection, screw clamps

Order No. **20.90 10 25**



China (CCC),
with electric shock protection, screw clamps

Order No. **20.90 10 22**

Commander system accessories

Plug insert



Denmark,
spring clamps

Order No. **20.90 10 23**



Switzerland,
spring clamps

Order No. **20.90 10 29**



Australia,
screw clamps

Order No. **20.90 10 21**



India (IS 1293),
with electric shock protection, screw clamps

Order No. **20.90 10 27**



Commander system accessories

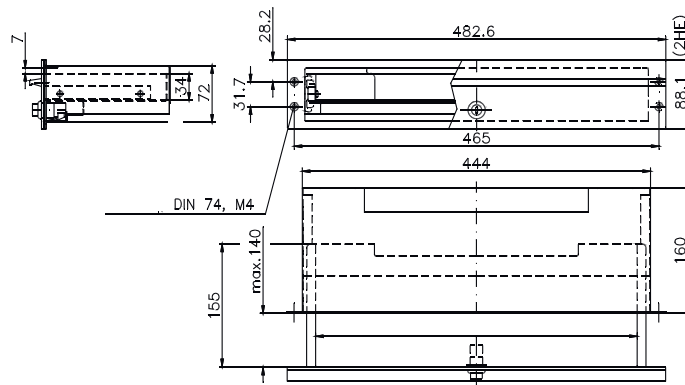


Keyboard drawer

Drawer for keyboards, IP 40 to front side.

Installation into command systems: SL 2000, Profile 3; SL 3000, Profile 3 and 4; SL 4000 Profile 3; optional with Keyboard.

Order No.: 10.99 20 01



Mousepad tray

for keyboard drawer.

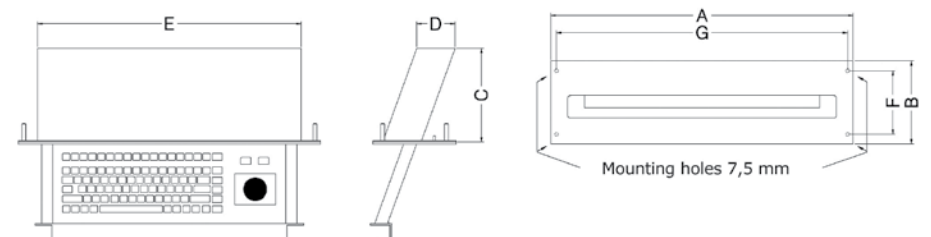
Order No.: 10.99 20 02 for keyboard drawer 10.99 20 01



Keyboard drawer with inclination 20°

IP65 to frontside, inclination 20°, installation into commandersystems: SL 2000, Profile 3; SL 3000, Profile 3 and 4; SL 4000 Profile 3; optional with keyboard.

Order No.: 10.99 20 03



	A	B	C	D	E	F	G
Dimensions	483	132,5	150	61	421	101,5	465

All figures in mm

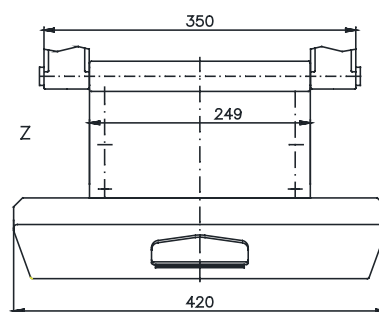
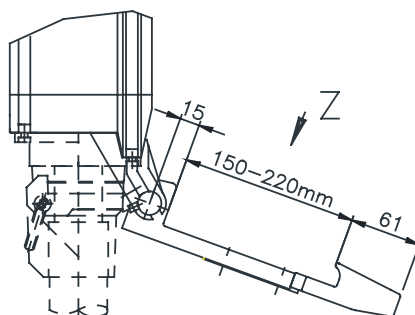
Commander system accessories



Keyboard holder SL 2000

For standard PC keyboards, consisting of mounting elements and keyboard holder

Order No. **19.60 10 04**



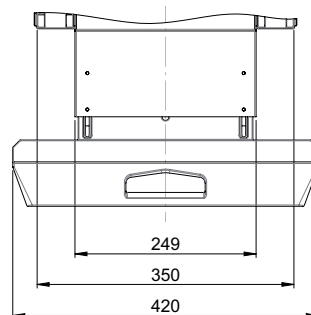
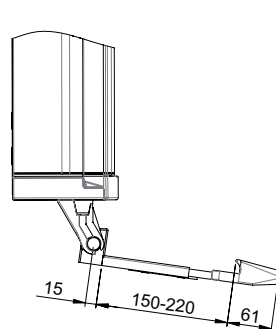
Mounting onto SL 2000 with front panel width ≥ 370 mm.
With combination onto suspension system at Side B, please
note profile depth and swivel range.



Keyboard holder SL4000

For standard PC keyboards, mounting onto SL4000 (front panel
width > 400 mm); keyboard optionally

Order No. **20.10 90 20**

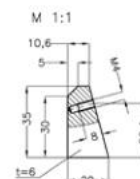
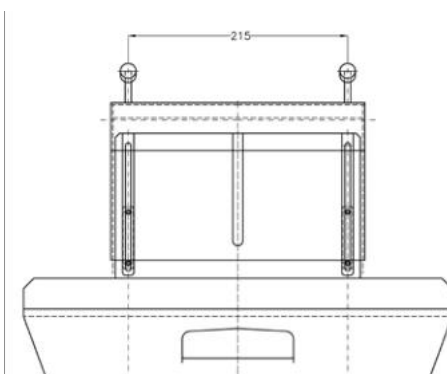


Keyboard holder SL3000

For standard PC keyboards.

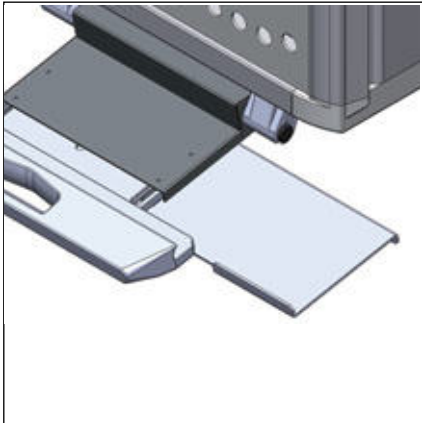
Mounting onto SL 3000; Note only possible with handle mounting on side B.

Order No. **20.10 90 21**



RAL 7035

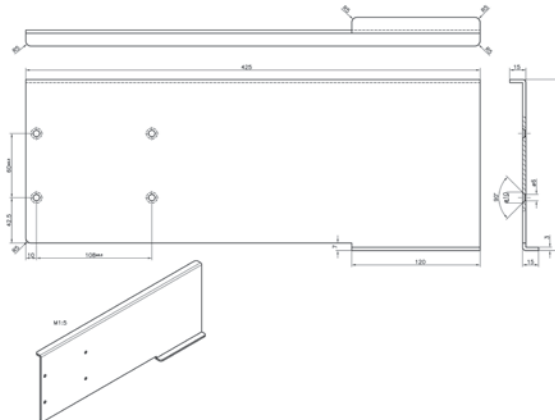
Commander system accessories



Mousepad tray for keyboard holder

For side mounting onto keyboard holder 19.60 10 04, 20.10 90 20 and 20.10 90 21

Order No. **20.10 90 22**



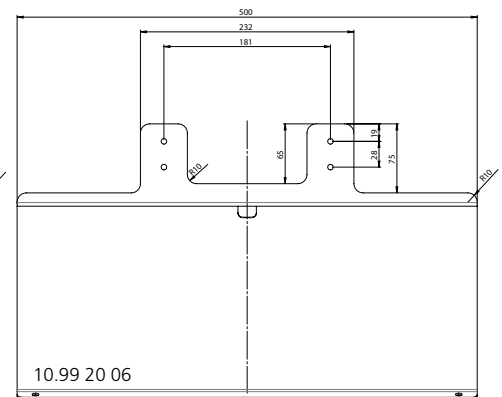
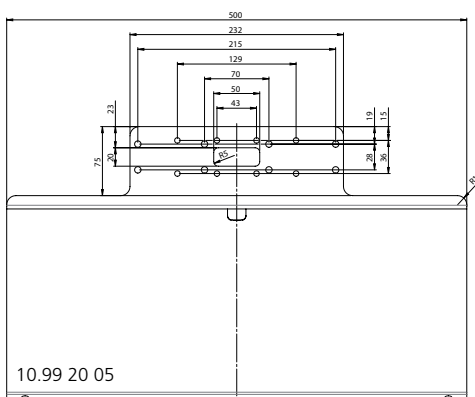
Keyboard tray, mild steel, inclination 15°

Order No. **10.99 20 05**

For mounting between Moterm and Commander and mounting onto commander with suspension system connection from above (Side A)

Order No. **10.99 20 06**

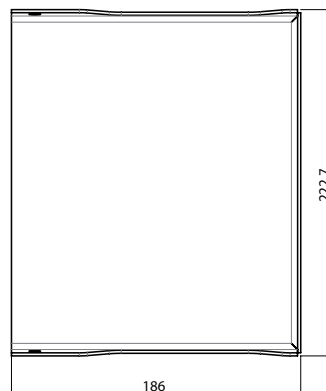
For mounting between suspension system GTN II and GTS onto Commander (Side B)



Mousepad tray, for Keyboard tray 10.99 20 xx

Order No. **10.99 20 07**

For side mounting onto keyboard tray (right side or left side)



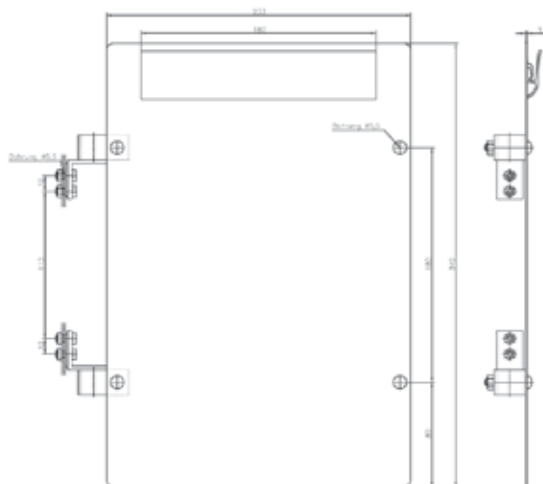
Commander system accessories



Document holder

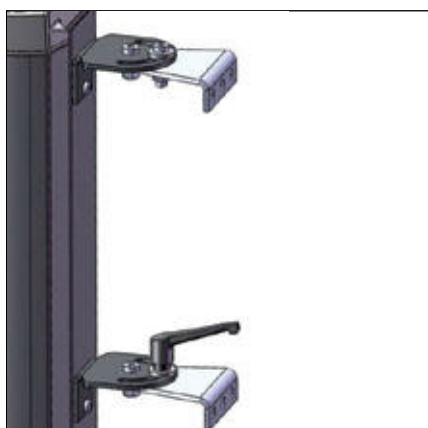
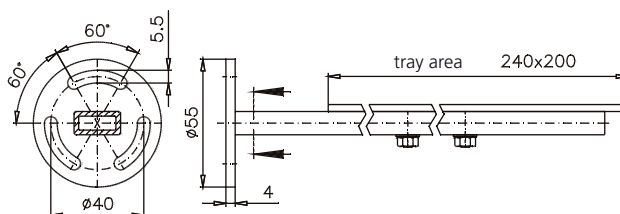
Clipboard with spring clip for sidewise mounting.

Order No.: **20.10 90 10** for direct mounting on Commander systems SL 2000, SL 3000, SL 4000, Comtronic onto side
20.60 10 04 for fixing onto tube handle at Commander systems



Mousepad tray

Order No. **20.60 10 06**



Wall holder set

For swivelling sidewise mounting onto the wall or machine, lockable in position, pivoting range 180°. Colour: RAL 7035 light grey

Order No. **20.80 90 01** for Comtronic
20.10 90 30 for SL 3000 and SL 4000 Profile 2, 3 and 4



Hinge set

Hinge for directly mounting onto wall or machine.
2 hinge incl. screws, colour black.

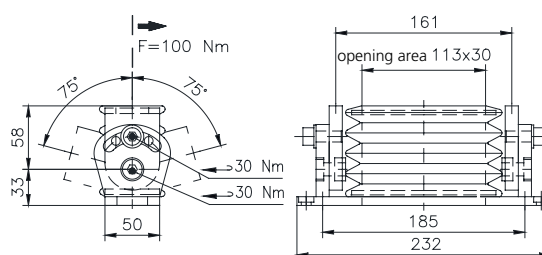
Order No.: **19.60 10 08** for Commander system SL 2000
20.10 90 50 for Commander system SL 4000 Profile 1 and 2
20.10 90 60 for Commander system SL 4000 Profile 3



Inclining system

Continuously variable inclining system (+/- 75°) for Commander systems.
System consisting of aluminium elements with bellow.
Scope of supply: base unit without adaptation plate

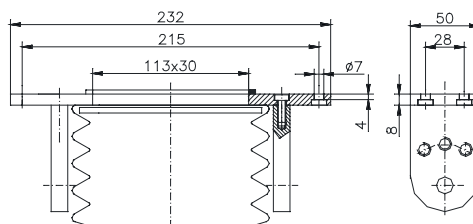
Order No. **50.02 01 01**



Adaptation plate

for connection of inclining system 50.02 01 01 onto control enclosure

Order No.	Typ
50.01 02 03	SL 2000 adapter plate Profile 1
50.01 02 04	SL 2000 adapter plate Profile 2
50.01 02 05	SL 2000 adapter plate Profile 3
50.01 02 06	SL 3000 adapter plate Profile 1
50.01 02 07	SL 3000 adapter plate Profile 2 - 4
50.01 02 08	SL 3000 adapter plate console version
50.01 02 09	Universal adapter plate (see drawing)
50.01 02 10	Beckhoff CP 7032 adapter plate
50.01 02 11	ComTronic adapter plate
50.01 02 12	SL 3000 adapter plate Profile 4 (direct mounting)
50.01 02 13	Flat panel adapter
50.01 02 14	Adapter plate SL 4000 Profile 1 - 3
50.01 02 15	Adapter plate SL 4000 desktop version



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A Phoenix Mecano Company