











| | Seite |
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Technical modifications reserve!



More enclosure systems for operating and display areas see Handheld enclosures or Stainless steel enclosure catalogues.



- Industrial suspension system for control enclosures
- Modular construction with free accessible cable channel
- Wall, top-mounting or floor fixing

Technical data

Material:

Connecting tube: DIN EN 573 EN AW-AlMgSi

Components: DIN EN 1706 EN AC-AlSi12 (Fe)

Cover profile: TPE

Seal:

CR and/or PU seal

Painting:

Powder coating

Colour:

Aluminium parts: RAL 7035, light grey

Cover profile: RAL 9005, jet black

Ingress protection:

IP 54 to EN 60529

Free cable passage:

Connecting tube: 18 mm opening












System components: 53 mm

Included in delivery:

Individual system components incl. cable channel covering and assembly materials

GTK electronic

Product range

| | | Order No. | Weight (g) |
|--------------------------|---|--------------------|------------|
| Top mounted joint |  | 49.45 66 00 | 2350 |
| Foot stand |  | 49.45 72 00 | 800 |
| Wall hinge W |  | 49.45 70 00 | 3250 |
| Angle |  | 49.45 71 00 | 720 |
| Coupling |  | 49.45 73 00 | 1100 |
| Coupling GTKe-PRO |  | 49.45 73 02 | 1300 |
| Flange coupling |  | 49.45 77 00 | 1500 |
| Angle coupling |  | 49.45 75 00 | 1140 |
| Angle coupling GTKe-PRO |  | 49.45 75 02 | 1300 |
| Flange angle coupling |  | 49.45 78 00 | 1330 |
| Spar cover profile 2,5 m |  | 49.45 69 00 | 600 |
| Flat panel adapter | | 49.45 90 01 | 1400 |
| Adapter plate GTKe-PRO | | 49.45 00 01 | 200 |

Aluminium profile, max. outreach 1.5 m

| | Order No. | Weight (g) |
|----------------------------------|--------------------|------------|
| Connecting tube | | |
| Standard length: 0.5 m | 49.45 10 01 | 1650 |
| Standard length: 1 m | 49.45 10 02 | 3250 |
| Standard length: 2 m* | 49.45 10 03 | 7000 |
| Variable length (please specify) | | |

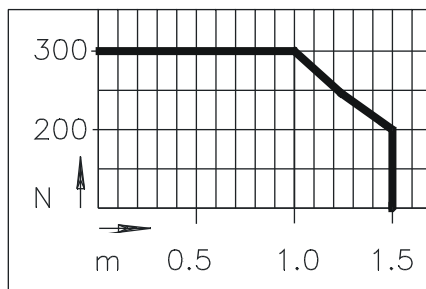
* without threaded hole

Can be adapted to elements from the GT 48/2 range*

| | Order No. | Weight (g) |
|---------------------|--------------------|------------|
| Console flange 30° | 49.49 76 00 | 400 |
| Adapter flange | 49.49 79 00 | 1500 |
| Inclination adapter | 49.49 80 00 | 800 |

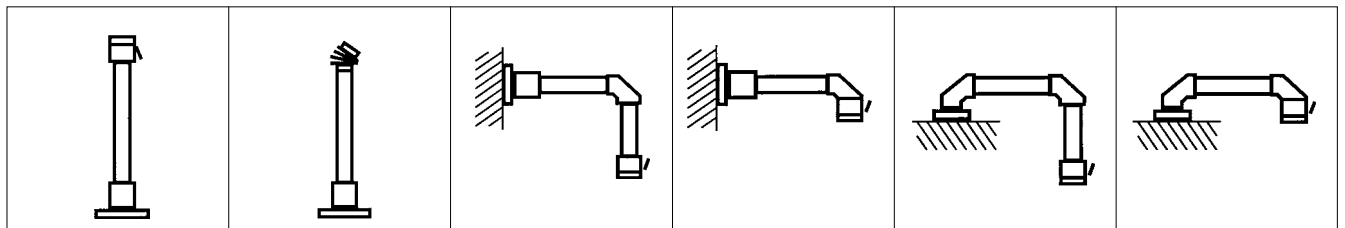
* Special colour RAL 7035, please specify when ordering.

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

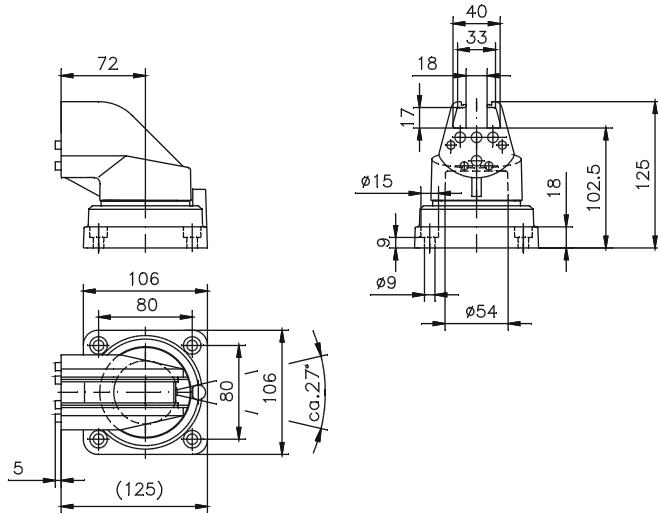




Top-mounted joint

Cast aluminium with steel inner tube and flange mounting.
Swivelling range 330° (cannot be limited or stopped)

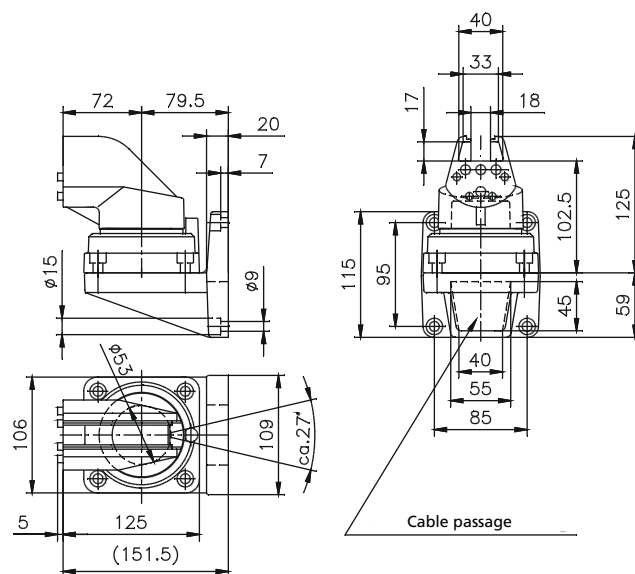
Order No. **49.45 66 00**



Wall hinge

Cast aluminium with steel inner tube and plain bearing
Swivelling range 330° (cannot be limited or stopped)

Order No. **49.45 70 00**

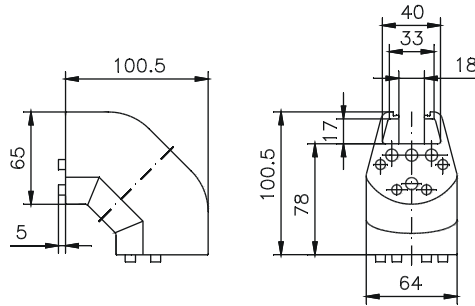




Angle

Cast aluminium, angle 90°, for GT system, can be used from above

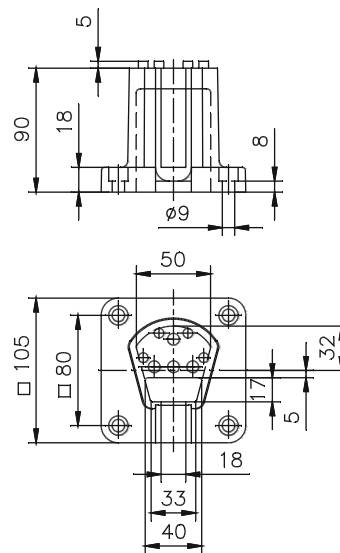
Order No. **49.45 71 00**



Foot stand

Cast aluminium, fixed version

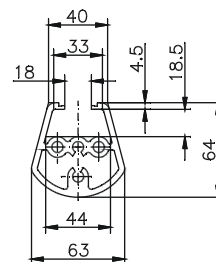
Order No. **49.45 72 00**



Connecting tube

Aluminium extruded profile each with 2.5 m long plastic cover profile.

| Order No. | Length | Weight (g) |
|--------------------|--------|------------|
| 49.45 10 01 | 0,5 m | 1650 |
| 49.45 10 02 | 1 m | 3250 |
| 49.45 10 03 | 2 m | 7000 |

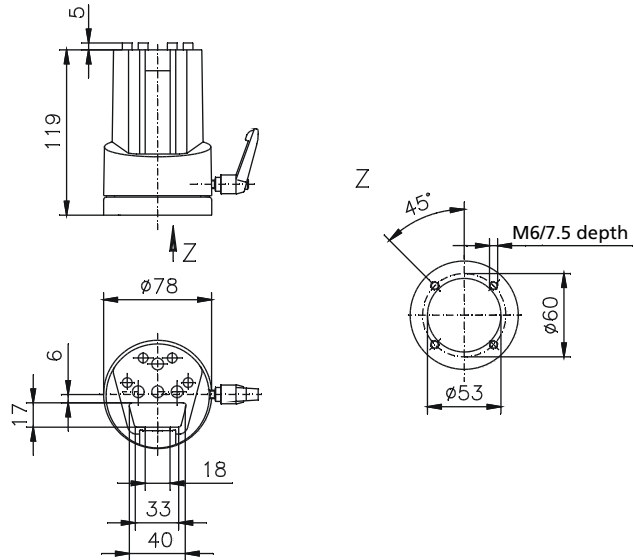




Coupling

Cast aluminium with steel inner tube. Coupling assembled from inside of enclosure, connection not visible from the outside.
Swivelling range 290° can be stopped at any point via clamping lever (swivelling range cannot be limited)

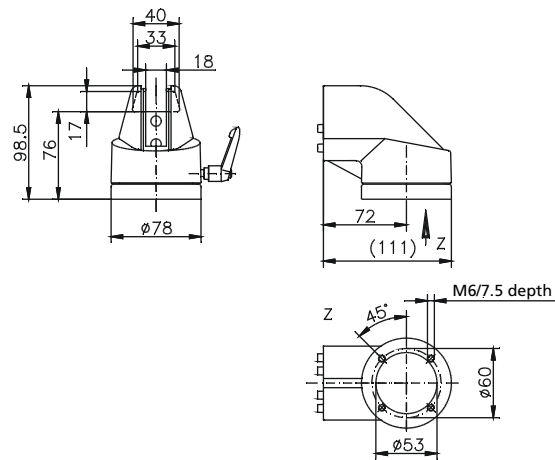
Order No. **49.45 73 00**



Angle coupling

Combination of angle and coupling for horizontal tube exit. Cast aluminium with steel inner tube. Coupling assembled from inside of enclosure, connection not visible from the outside.
Swivelling range 290° can be stopped at any point via clamping lever (swivelling range cannot be limited)

Order No. **49.45 75 00**





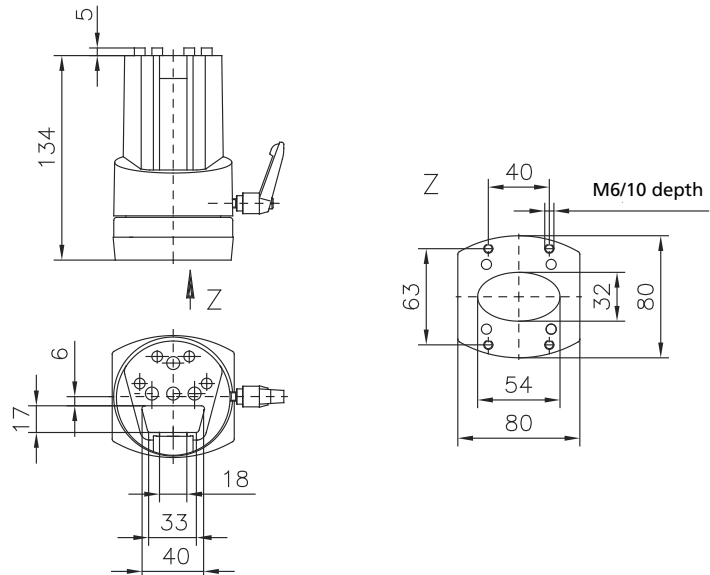
Coupling for Siemens Pro

für Direktanbindung an Siemens Pro-Geräte

Cast aluminium with steel inner tube. Coupling assembled from inside of enclosure, connection not visible from the outside.

Swivelling range 290° can be stopped at any point via clamping lever (swivelling range cannot be limited)

Order No. **49.45 73 02**



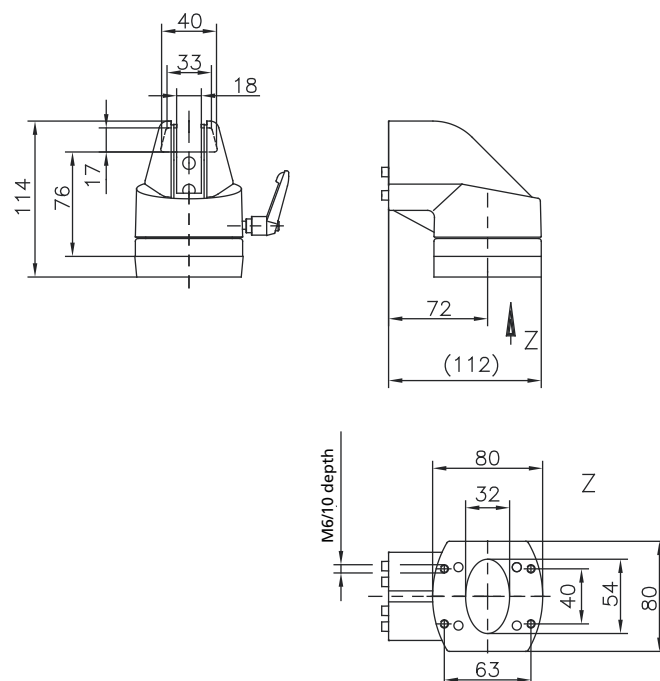
Angle coupling Siemens Pro

für Direktanbindung an Siemens Pro-Geräte

Combination of angle and coupling for horizontal tube exit. Cast aluminium with steel inner tube. Coupling assembled from inside of enclosure, connection not visible from the outside.

Swivelling range 290° can be stopped at any point via clamping lever (swivelling range cannot be limited)

Order No. **49.45 75 02**

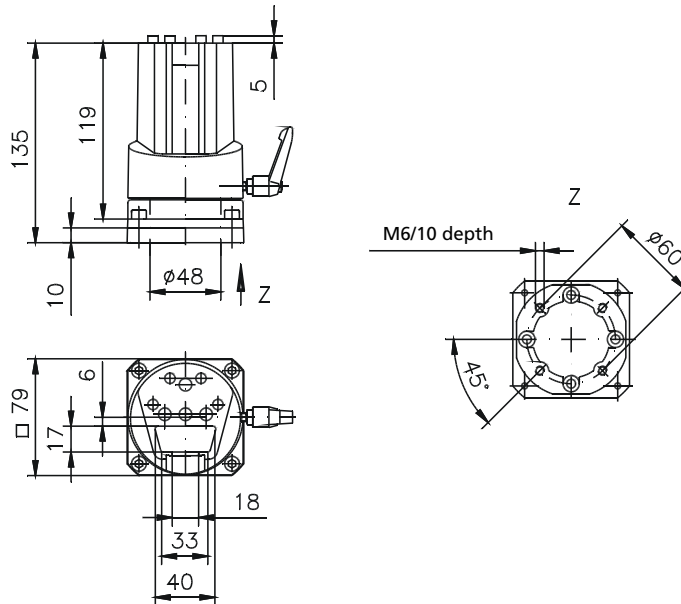




Flange coupling

Cast aluminium with steel inner tube. Coupling assembled from outside with flange, connection visible from the outside. Swivelling range 290° can be stopped at any point via clamping lever (swivelling range cannot be limited)

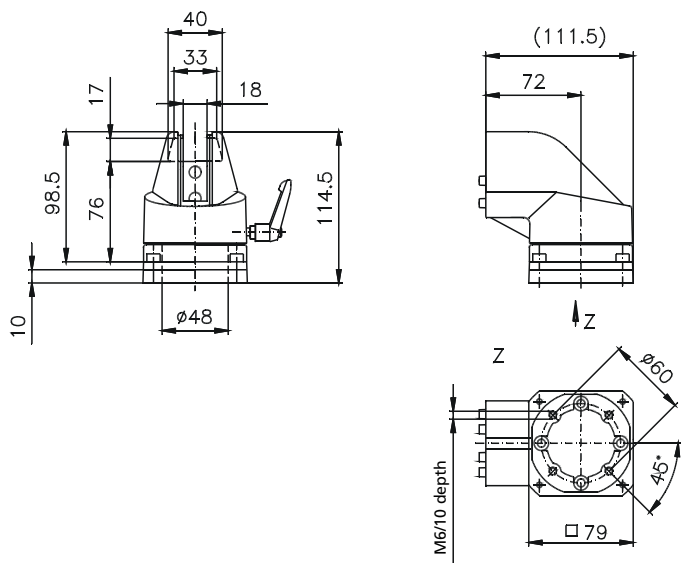
Order No. **49.45 77 00**



Angle flange coupling

Combination of angle and coupling for horizontal tube exit. Cast aluminium with steel inner tube. Coupling assembled from outside with flange, connection visible from the outside. Swivelling range 290° can be stopped at any point via clamping lever (swivelling range cannot be limited)

Order No. **49.45 78 00**

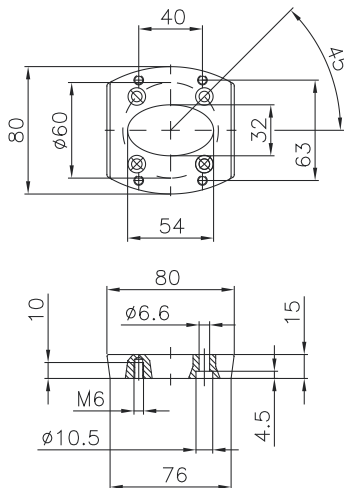




Adapter plate GTKe-Pro

Adapter plate for connecting GTK electronic components with Siemens Pro command units (not necessary for coupling GTKe Pro and angle coupling GTKe Pro)

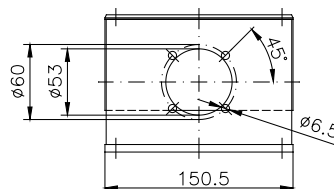
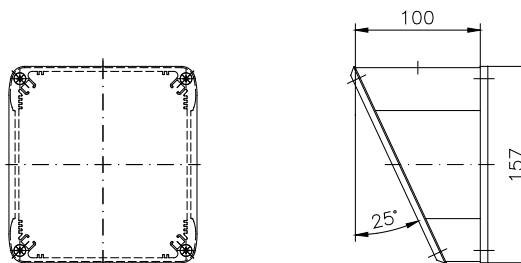
Order No. **49.45 00 01**



Flat panel adapter

Aluminium profile system for rear connection of GT 48/2 / GTK electronic to flat panels. RAL 7035, light grey

Order No. **49.45 90 01**





- Aluminium profile suspension system for light/medium loads up to 30 kg
- 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-AISI 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 turnable |  | 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

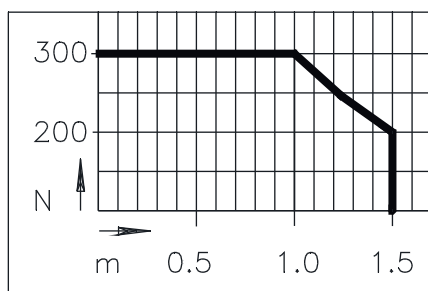
| | Order No. |
|----------------------------------|--------------------|
| Connecting tube, RAL 7035 | |
| GTS profile 0.5 m | 49.44 10 01 |
| GTS profile 1 m | 49.44 10 02 |
| GTS profile 2 m* | 49.44 10 03 |
| Variable length (please specify) | 49.44 99 99 |

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 |

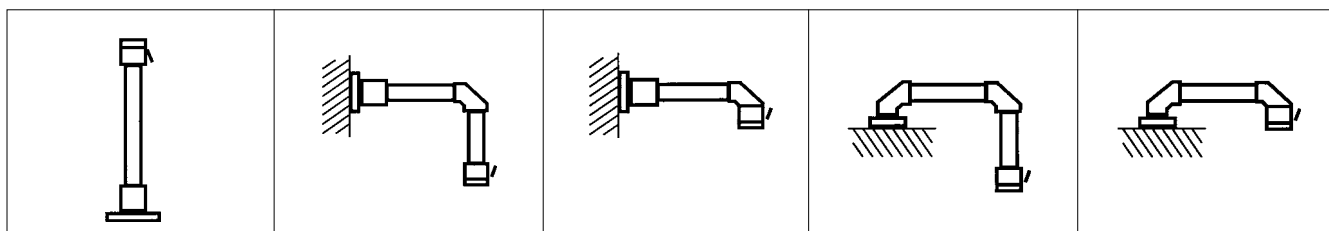
* without threaded hole

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.

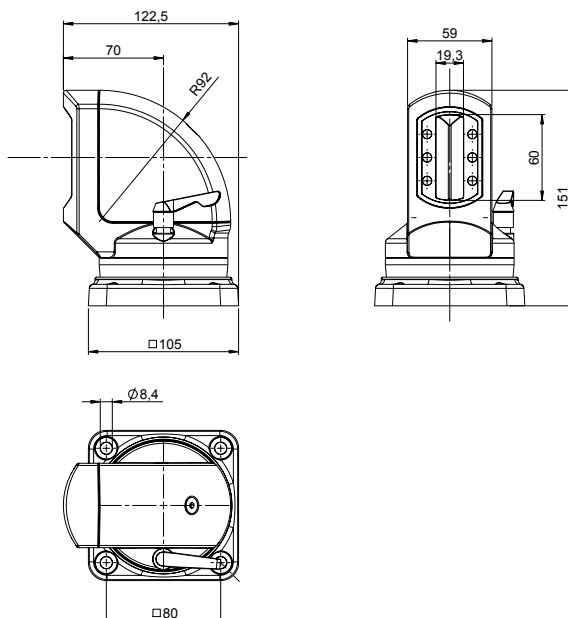
Added system elements





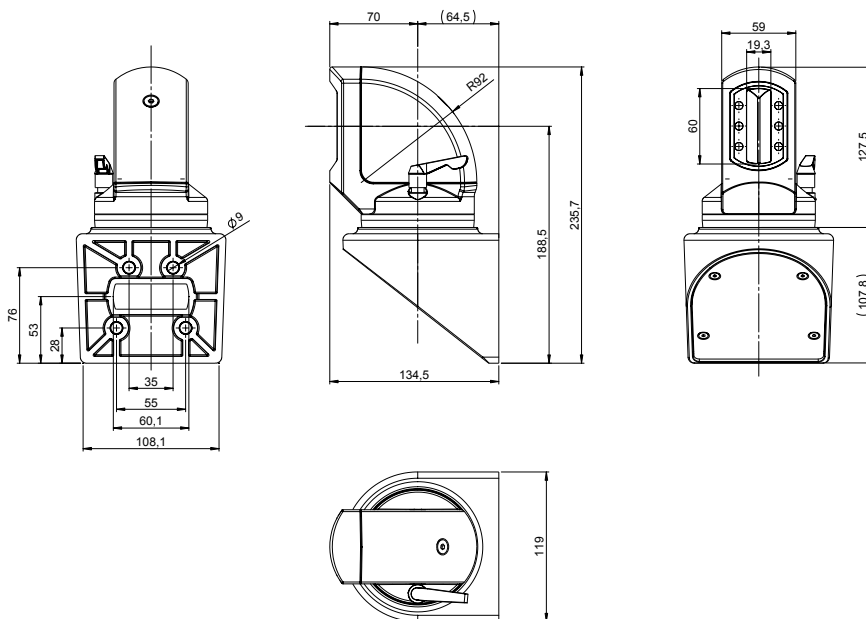
GTS Top-mounted joint
Cast aluminium with flange mounting.
Swivelling range 330°

Order No. **49.44 66 00**



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

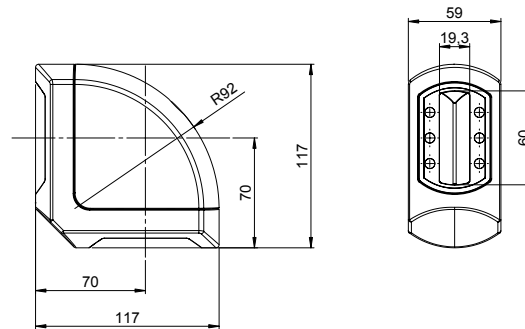
Order No. **49.44 70 00**





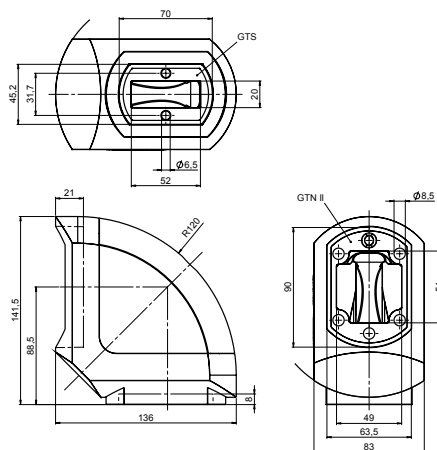
GTS Angle
Cast aluminium, angle 90°

Order No. **49.44 71 00**



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

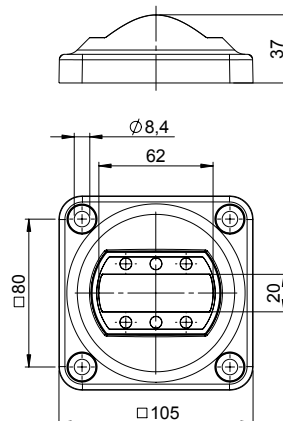
Order No. **49.47 71 44**



GTS Foot stand

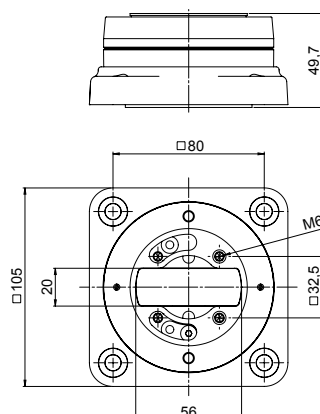
Cast aluminium, fixed version, zur Bodenbefestigung oder Wandbefestigung mit starrem Abgang

Order No. **49.44 72 00**



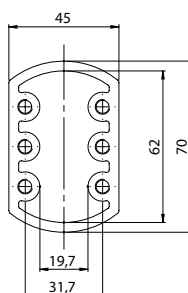
**GTS Foot stand pivotable**

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

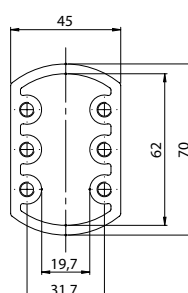
| Order No. | Length |
|--------------------|----------------------------------|
| 49.44 10 01 | 0.5 m |
| 49.44 10 02 | 1 m |
| 49.44 10 03 | 2 m |
| 49.44 10 99 | variable length (please specify) |

**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) |



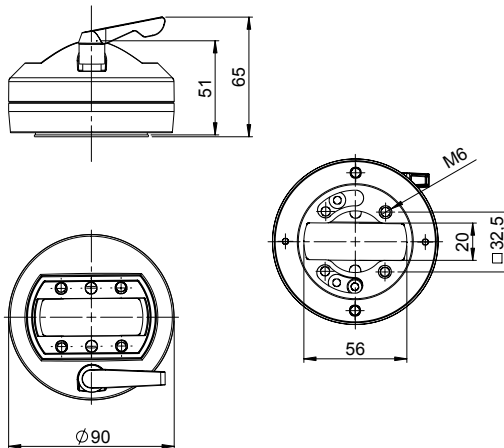


GTS Coupling

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)

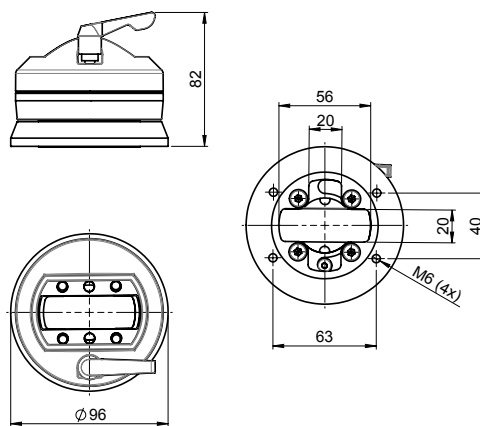
Order No. **49.44 73 00**



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**

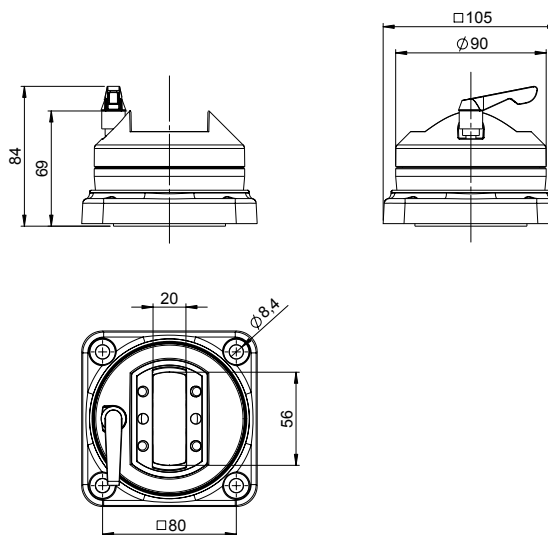




GTS Flange coupling

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)

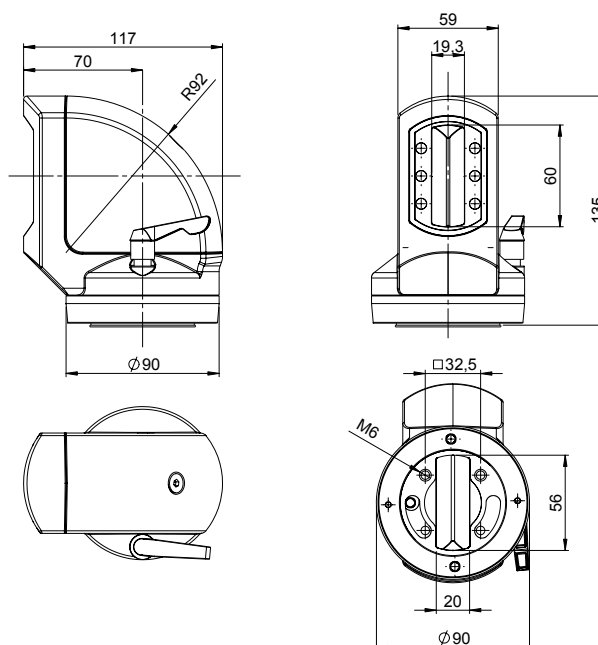
Order No. **49.44 77 00**



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**

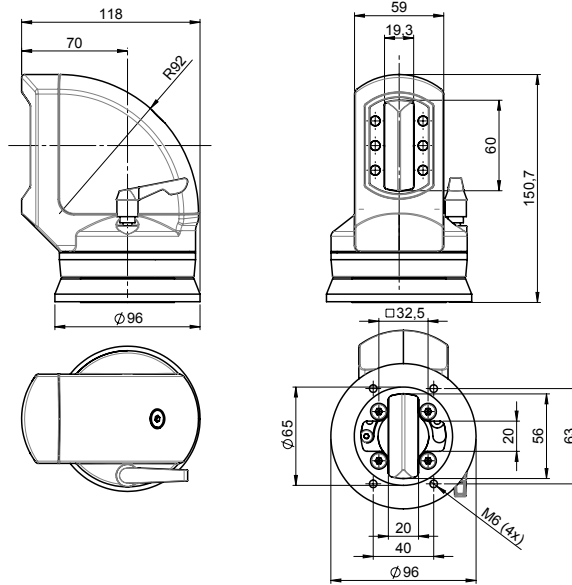




GTS angle coupling Siemens PRO

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 adapter plate 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**



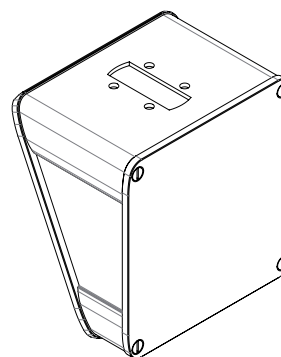
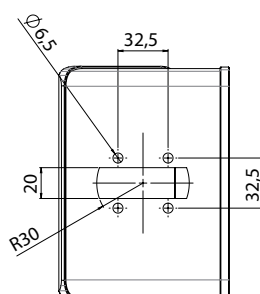
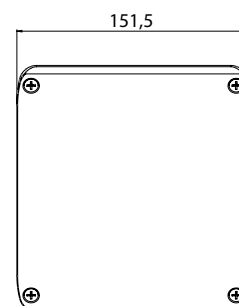
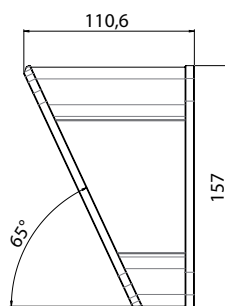
Inclining adapter GTS

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**

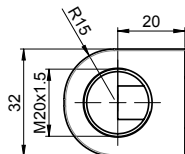
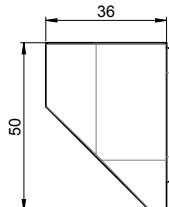
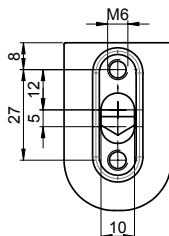
Signal light adaptation



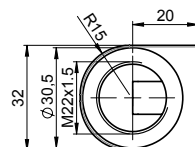
Base connection element for suspension systems, command units and cabinets

Signal light adaptation with thread M20x1.5 mm
Order No. **49.00 01 01**

Signal light adaptation with thread M22x1.5 mm
Order No. **49.00 01 02**



49.00 01 01



49.00 01 02

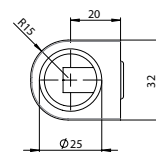
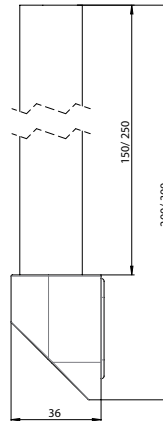
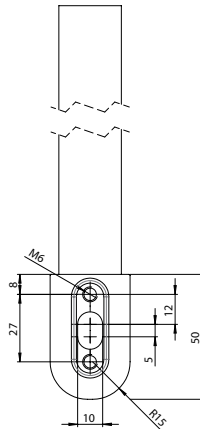


Base connection element for suspension systems, command units and cabinets

Signal light adaption with tube \varnothing 25 mm

Order No. **49.00 01 03** (L = 250 mm)

49.00 01 04 (L = 150 mm)





- Design aluminium suspension system
- Closed profile system / profile with free accessible cable duct
- Can be combined with all control enclosures

Included 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:
 open 27 x 32 mm
 closed 51 mm diameter
 System components: 51 mm diameter

GTN II

Product range

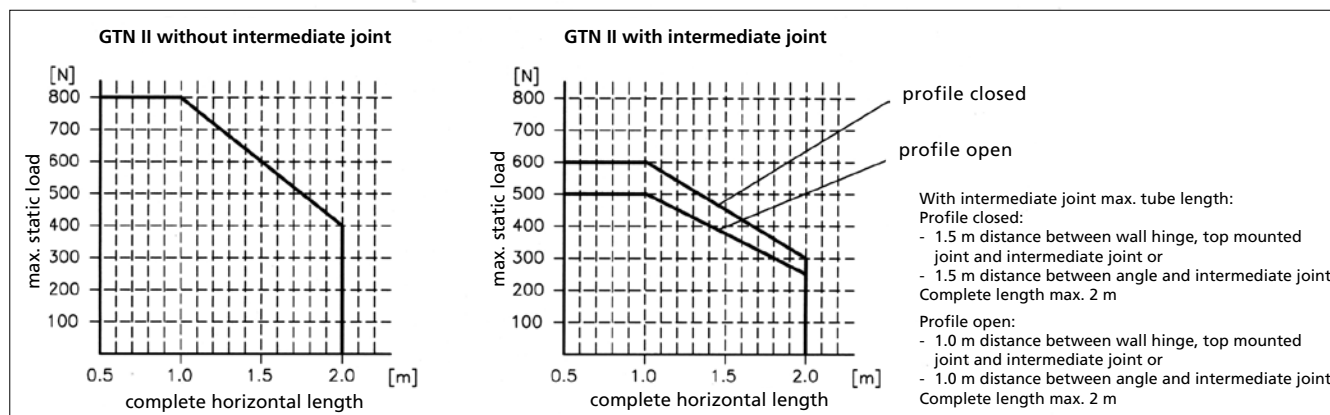
| | | Order No. | Weight (g) |
|--|---|--------------------|-------------------|
| Top mounted joint |  | 49.47 66 00 | 3900 |
| Top mounted joint light* |  | 49.47 66 01 | 3900 |
| Top mounted joint (ceiling mounting) |  | 49.47 66 20 | 3900 |
| Wall hinge |  | 49.47 70 00 | 4200 |
| Wall hinge light* |  | 49.47 70 01 | 4200 |
| Wall hinge, hanging | | 49.47 70 20 | 4200 |
| Angle |  | 49.47 71 00 | 900 |
| Angle GTN II / GTK electronic |  | 49.47 71 45 | 900 |
| Angle GTN II / GTS |  | 49.47 71 44 | 900 |
| Coupling |  | 49.47 73 00 | 1500 |
| Coupling GTN II-PRO |  | 49.47 73 02 | 2400 |
| Coupling fixed | | 49.47 73 03 | |
| Angle coupling |  | 49.47 75 00 | 2500 |
| Angle coupling GTN II-PRO |  | 49.47 75 02 | 2900 |
| Intermediate joint "Z" |  | 49.47 67 00 | 3800 |
| Intermediate joint "Z" light* |  | 49.47 67 01 | 3800 |
| Intermediate joint "S" |  | 49.47 67 02 | 6000 |
| Intermediate joint "S" light* |  | 49.47 67 03 | 3800 |
| Foot stand fixed |  | 49.47 72 00 | 1000 |
| Turnable foot stand with adapter plate | | 49.47 72 20 | 3300 |
| Turnable foot stand |  | 49.47 72 21 | 1700 |
| Turnable foot stand light* |  | 49.47 72 22 | 3400 |
| Console flange 15° |  | 49.47 76 00 | 1100 |
| Column, length max. 2.0 m (please specify individual length) | | 49.47 00 04 | individual length |
| Flat panel adapter | | 49.47 90 01 | 3000 |
| Spare cover profile 2.5 m |  | 49.45 69 00 | 600 |
| Adjustment set | | 49.47 00 06 | 100 |
| Inclining adapter | | 49.47 80 00 | 1800 |
| Adapter plate GTN II-PRO | | 49.47 00 01 | 400 |

* light: can be used for control units with low load (up to 30 kg/2 m) with lower swivel force.

| Aluminium profile | Profile open | Weight (g) | Profile closed | Weight (g) |
|----------------------------------|--------------------|------------|--------------------|------------|
| Standard length: 0.5 m | 49.47 10 01 | 3000 | 49.47 20 01 | 2850 |
| Standard length: 1 m | 49.47 10 02 | 6000 | 49.47 20 02 | 5700 |
| Standard length: 2 m | 49.47 10 03 | 12000 | 49.47 20 03 | 11400 |
| Variable length (please specify) | 49.47 10 99 | | 49.47 20 99 | |

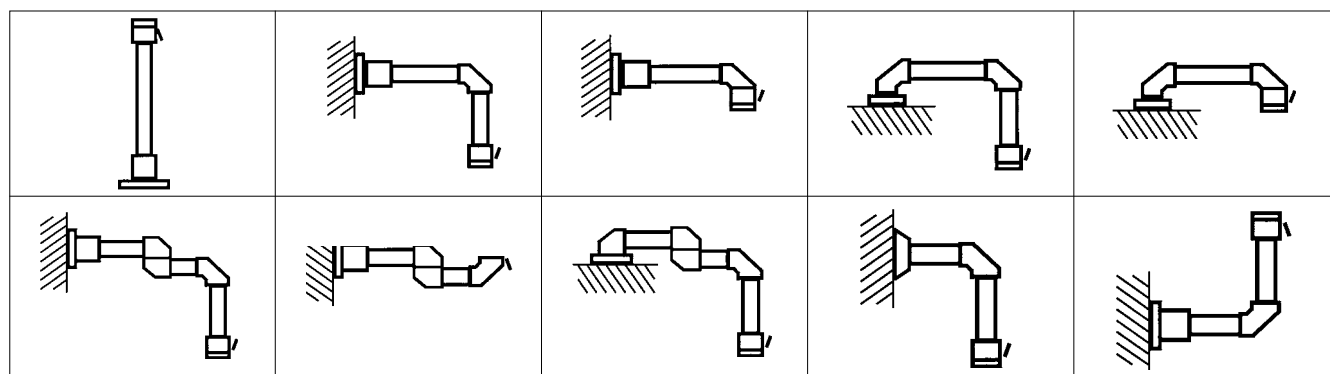
| Profile anodized | | | | |
|----------------------------------|--------------------|--|--------------------|--|
| Standard length: 0.5 m | 49.47 11 01 | | 49.47 21 01 | |
| Standard length: 1 m | 49.47 11 02 | | 49.47 21 02 | |
| Standard length: 2 m | 49.47 11 03 | | 49.47 21 03 | |
| Variable length (please specify) | 49.47 11 99 | | 49.47 21 99 | |

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.

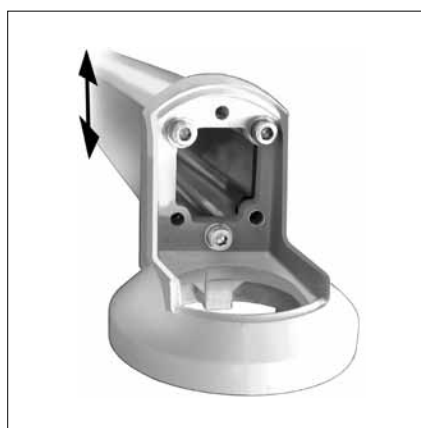
System assembly



Highlights



Fastening bar „Red Bar“



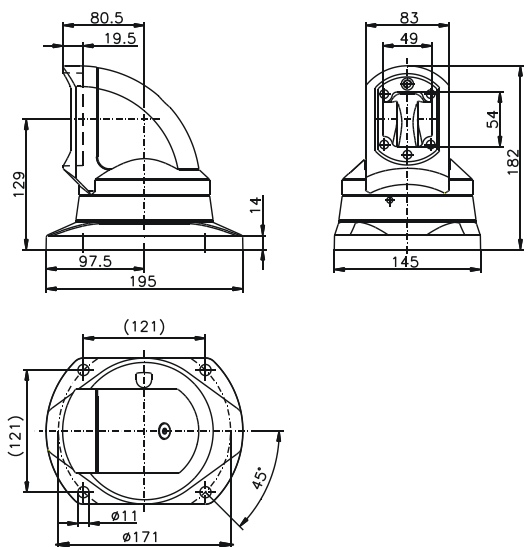
Adjustment possibility with different loads

GTN II



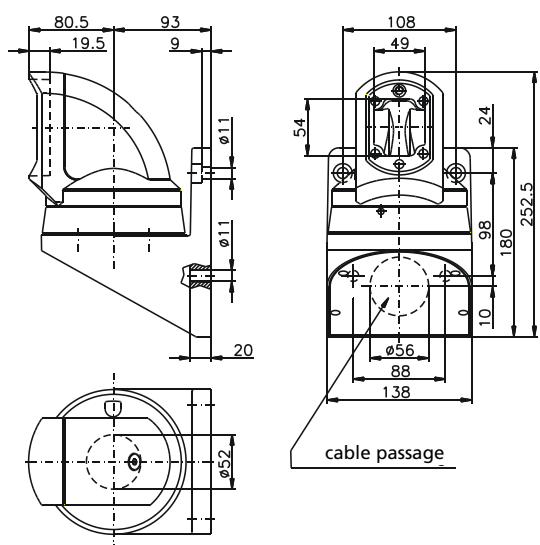
Top mounted joint
Diecast aluminium, swivel range 310°

| | |
|--------------------|--------------|
| Order No. | |
| 49.47 66 00 | GTN II |
| 49.47 66 01 | GTN II light |



Wall hinge
Swivel range 230°

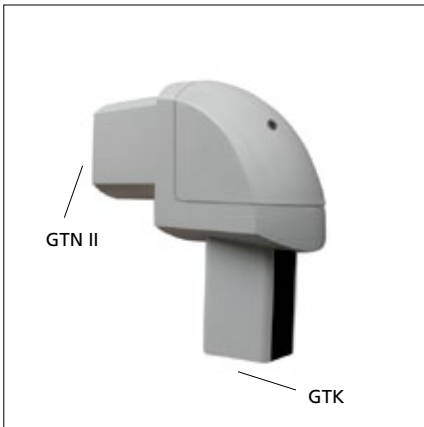
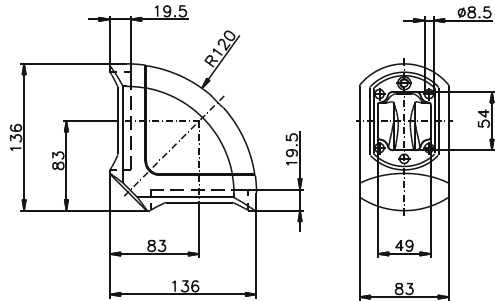
| | |
|--------------------|---------------|
| Order No. | |
| 49.47 70 00 | GTN II |
| 49.47 70 01 | GTN II light |
| 49.47 70 20 | GTN II hinged |





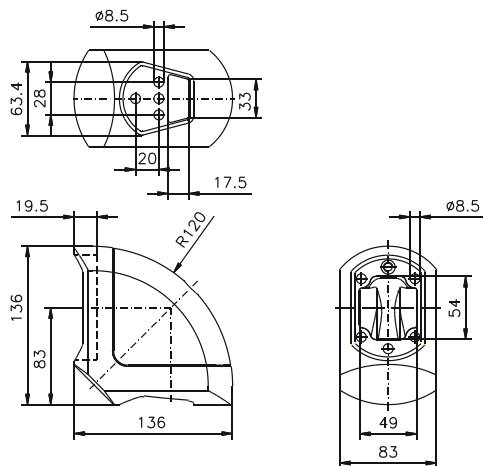
Angle GTN II
Diecast aluminium, angle 90°, incl. lid

Order No. **49.47 71 00**



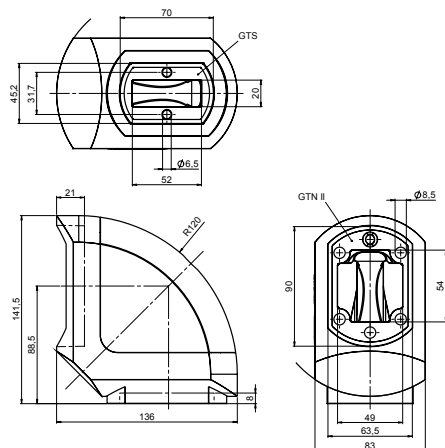
Angle GTN II / GTK electronic
To combine GTN II and GTK electronic

Order No. **49.47 71 45**



GTS Angle GTN II / GTS
To combine GTN II and GTS

Order No. **49.47 71 44**

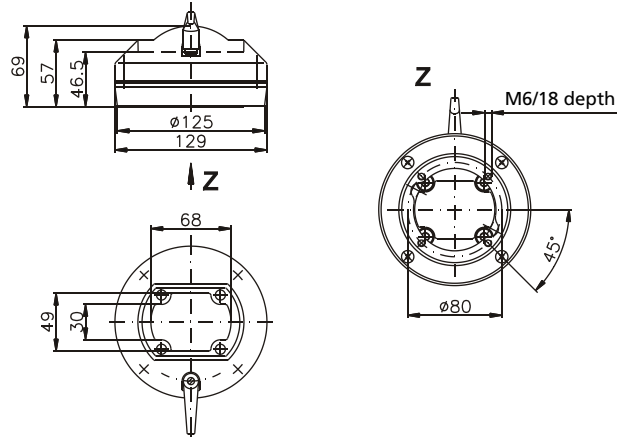




Coupling

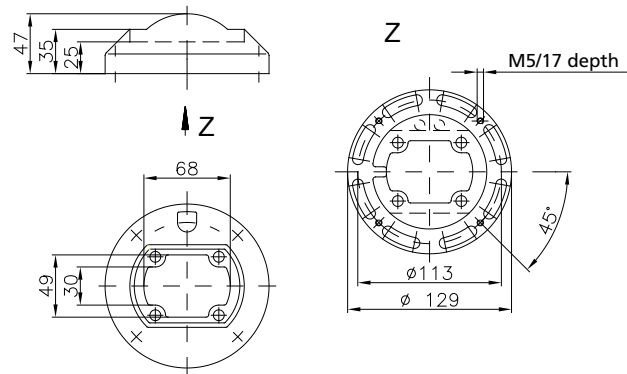
Diecast aluminium, coupling mounting from inner side of enclosure, screws outside not viewable, swivel range 330°, continuously variable by release handle.

Order No. **49.47 73 00**



Coupling fixed

Order No. **49.47 73 03**

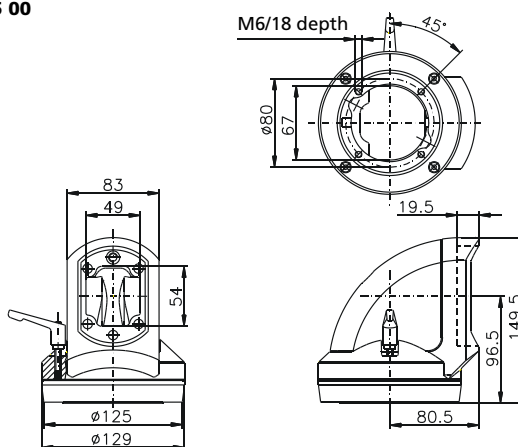




Angle coupling

Diecast aluminium, coupling mounting from inner side of enclosure, swivel range 320°, continuously variable by release handle

Order No. **49.47 75 00**

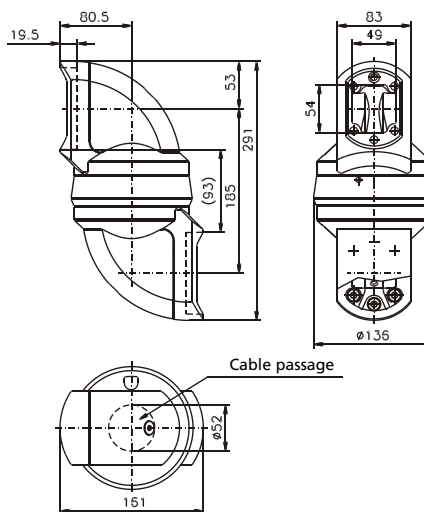


Intermediate joint

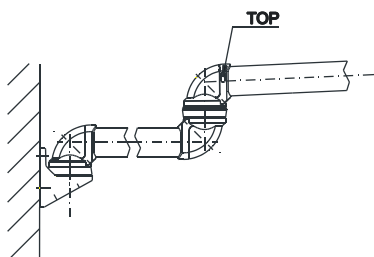
Diecast aluminium, swivel range 310°

Order No.

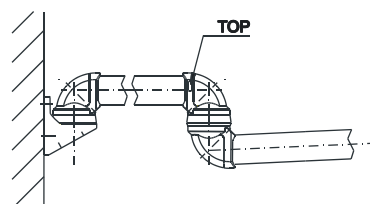
| | |
|--------------------|------------------|
| 49.47 67 00 | GTN II "Z" |
| 49.47 67 01 | GTN II "Z" light |
| 49.47 67 02 | GTN II "S" |
| 49.47 67 03 | GTN II "S" light |



Intermediate joint S-Type



Intermediate joint Z-Type

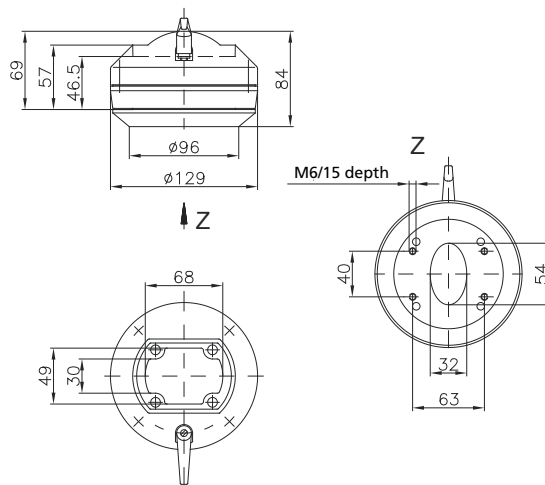




Coupling GTN II-PRO

for direct connecting of Siemens Pro command units
Diecast aluminium, coupling mounting from inner side of enclosure, screws outside not viewable, swivel range 330°, continuously variable by release handle.

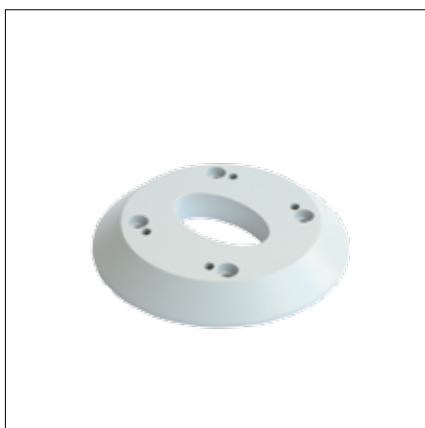
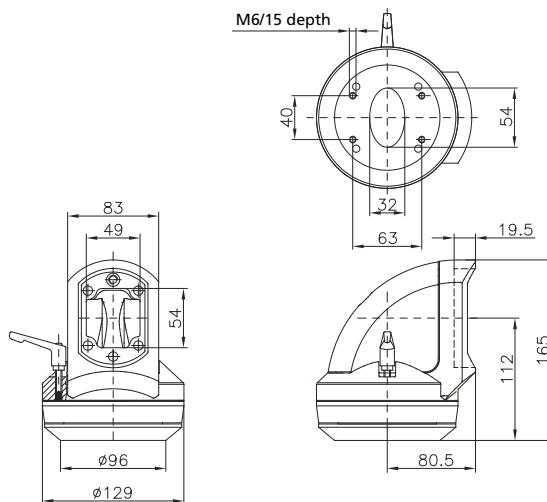
Order No. **49.47 73 02**



Angle coupling GTN II-PRO

for direct connecting of Siemens Pro command units
Diecast aluminium, coupling mounting from inner side of enclosure, swivel range 320°, continuously variable by release handle

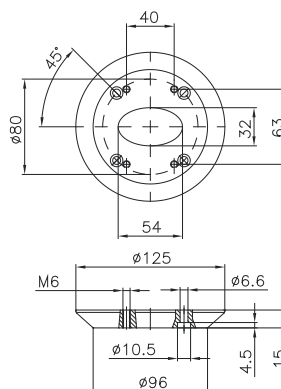
Order No. **49.47 75 02**



Adapter plate GTN II-PRO

for connecting GTN II elements with Siemens Pro command units
(not relevant for coupling GTN II Pro and angle coupling GTN II Pro)

Bestell-Nr. **49.47 00 01**

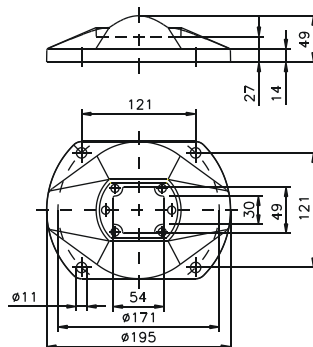




Foot stand fixed

Diecast aluminium, fix version for ground mounting or wall mounting

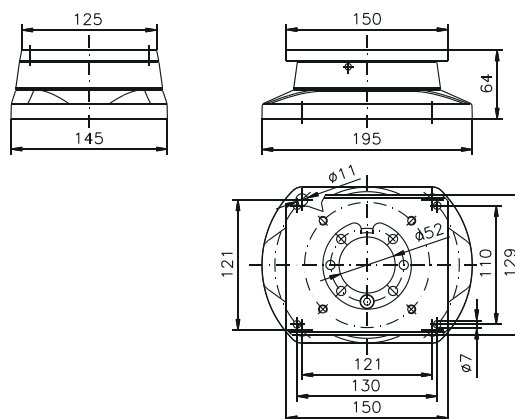
Order No. **49.47 72 00**



Turnable foot stand with adapter plate

Diecast aluminium with adjustable stop position between machine and control panel

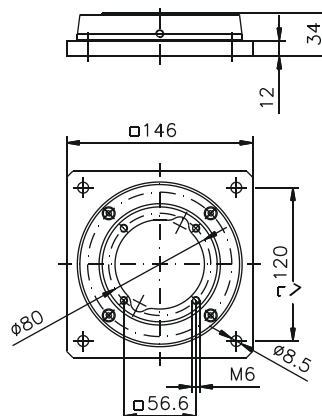
Order No. **49.47 72 20**



Turnable foot stand

Diecast aluminium with adjustable stop position between machine and control panel

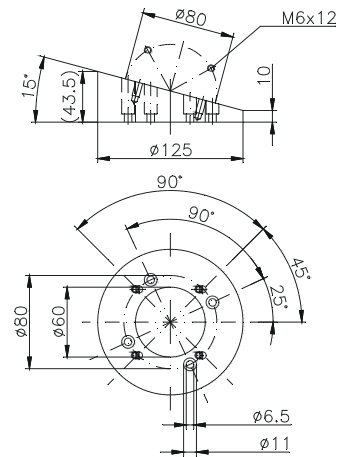
Order No. **49.47 72 21**





Console flange 15°
Aluminium

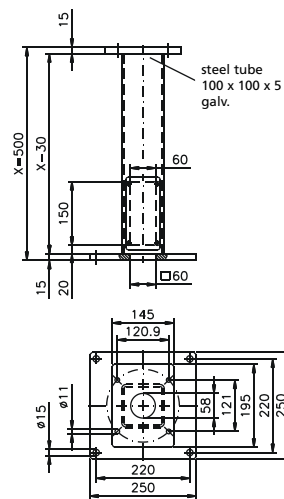
Order No. **49.47 76 00**



Column

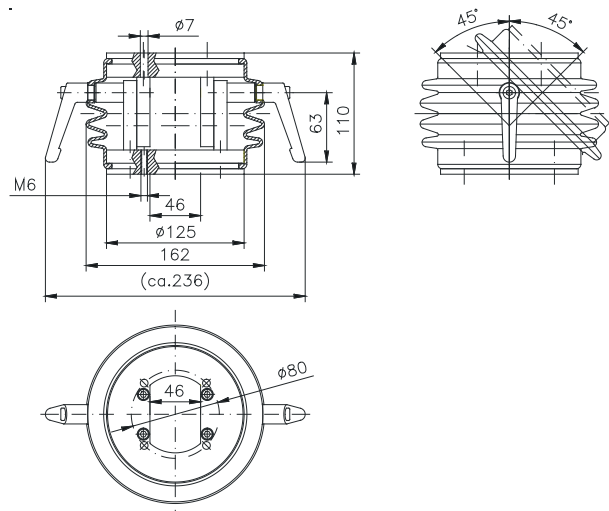
Steel, painted, length individually up to 2 m, including adapter plate for GTN II top mounted joint, at bottom side flange outlet

Order No. **49.47 00 04 8** (specify total length)



Inclining adapter GTN II

Order No. **49.47 80 00**

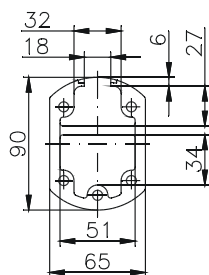




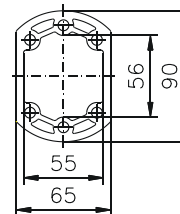
Aluminium profile tube

Extruded aluminium sheath, open version with integrated cable channel with black rubber cover

Order No. and length see page 126



Profile open



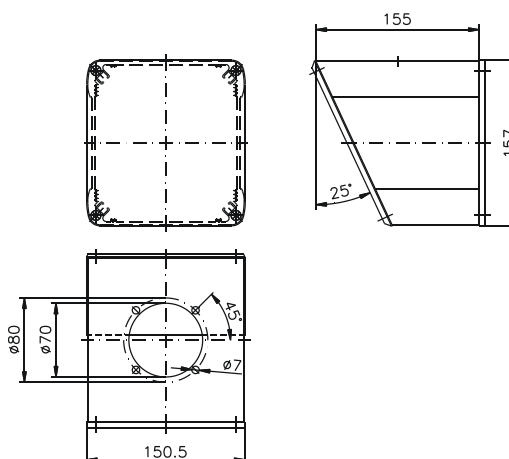
Profile closed



Flat panel adapter

Aluminium profile for rear connection of GTN II to flat panels

Order No. **49.47 90 01**



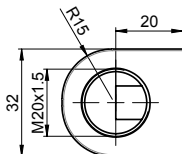
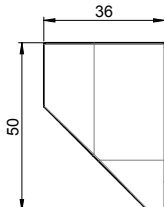
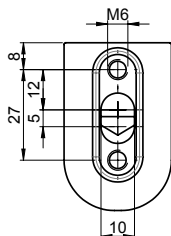
Signal light adaptation



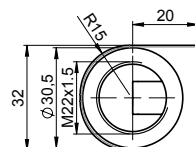
Base connection element for suspension systems, command units and cabinets

Signal light adaptation with thread M20x1.5 mm
Order No. **49.00 01 01**

Signal light adaptation with thread M22x1.5 mm
Order No. **49.00 01 02**



49.00 01 01



49.00 01 02

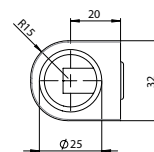
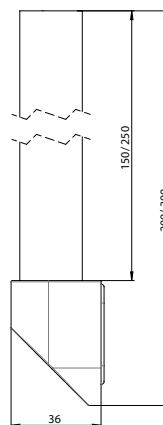
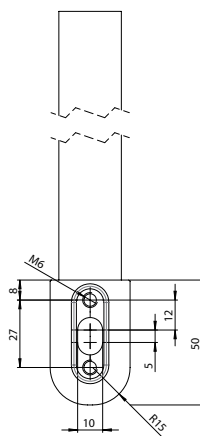


Base connection element for suspension systems, command units and cabinets

Signal light adaption with tube \varnothing 25 mm

Order No. **49.00 01 03** (L = 250 mm)

49.00 01 04 (L = 150 mm)





- Industrial round tube system for suspension system
- Modular construction for individual components
- Protected internal cable routing

Technical data

Material:

Connecting tube: steel 48 x 4 mm
DIN 2393-St.37

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

Seal:

CR and/or NBR

Painting:

Powder coating

Colour:

Tube: galvanized

Components: RAL 7043, traffic grey B

Special colour on request

Ingress protection:

IP 54 to EN 60529

Free cable passage:

Connecting tube: Ø 40 mm
















System elements: Ø 40 mm

Included in delivery:

Individual system components incl. assembly materials

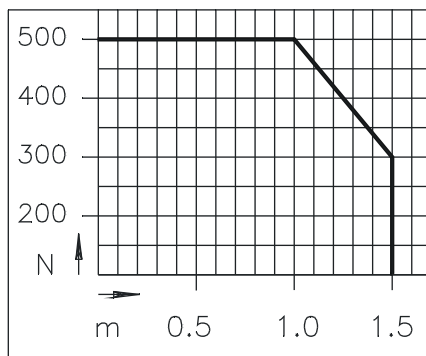
GT 48/2

Product range

| | | Order No. | Weight (g) |
|-----------------------------------|---|--------------------|------------|
| Top-mounted joint |  | 49.49 66 00 | 2000 |
| Foot stand fixed |  | 49.49 72 00 | 1000 |
| Foot stand turnable |  | 49.49 68 00 | 1800 |
| Wall hinge W |  | 49.49 70 00 | 3000 |
| Wall hinge S |  | 49.49 62 00 | 2700 |
| Angle |  | 49.49 71 00 | 1200 |
| Coupling |  | 49.49 73 00 | 1100 |
| Flange coupling |  | 49.49 77 00 | 1100 |
| Flange coupling GT 48/2-PRO |  | 49.49 77 02 | 1300 |
| Angle coupling |  | 49.49 75 00 | 1300 |
| Flange angle coupling |  | 49.49 78 00 | 1300 |
| Flange angle coupling GT 48/2-PRO |  | 49.49 78 02 | 1500 |
| Console flange 30° |  | 49.49 76 00 | 400 |
| Adapter flange |  | 49.49 79 00 | 1500 |
| Inclining adapter |  | 49.49 80 00 | 800 |
| Flat panel adapter | | 49.45 90 01 | 1400 |
| Adapter plate GT 48/2-PRO | | 49.45 00 01 | 200 |

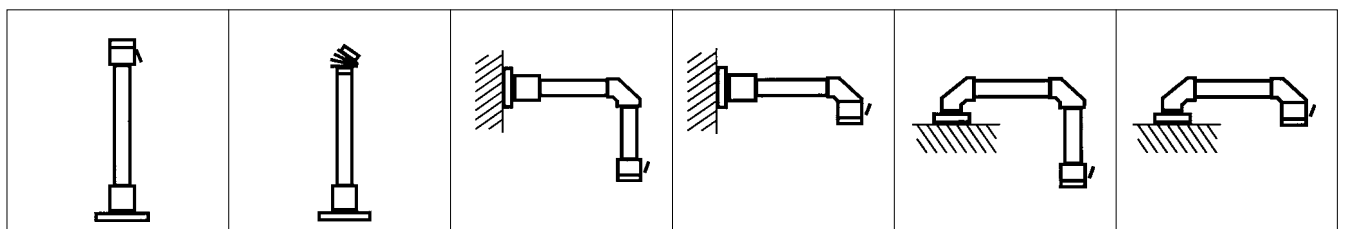
| | Order No. | Weight (g) |
|----------------------------------|--------------------|------------|
| Connecting tube | | |
| Standard length: 0.5 m | 10.09 42 16 | 2500 |
| Standard length: 1 m | 10.09 42 17 | 4500 |
| Standard length: 2 m | 10.09 42 18 | 9000 |
| Standard length: 3 m | 10.09 42 19 | 12900 |
| Variable length (please specify) | 10.09 41 58 | |

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

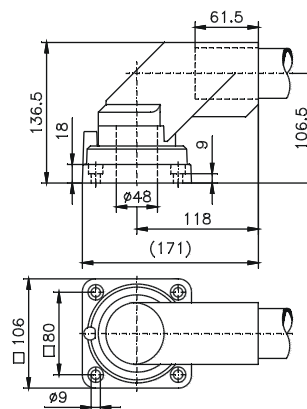


System components

**Top-mounted joint**

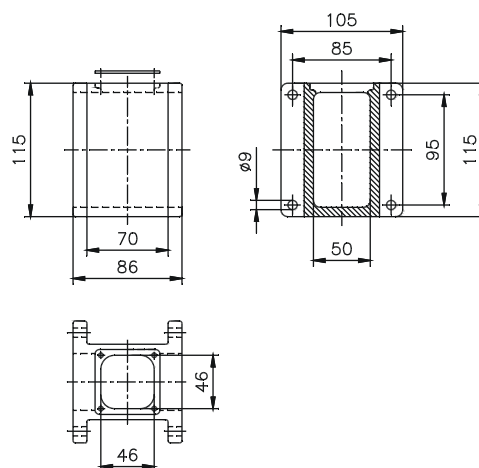
Cast aluminium with steel inner tube and flange mounting.
Swivelling range 250° (cannot be limited or stopped)

Order No. **49.49 66 00**

**Adapter flange**

Cast steel part for mounting between wall and wall hinge for free cable routing, cable opening top or bottom as required.

Order No. **49.49 79 00**



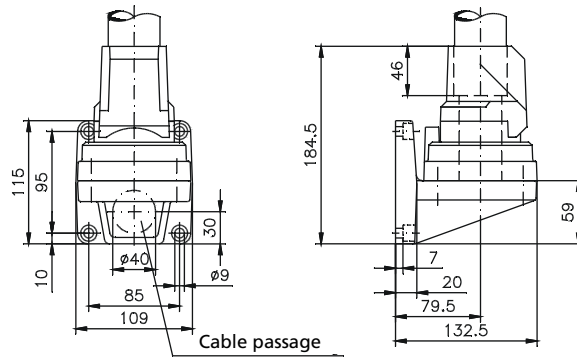
System components



Wall hinge S (vertical)

Cast aluminium with steel inner tube and flange mounting.
Swivelling range 250° (cannot be limited or stopped)

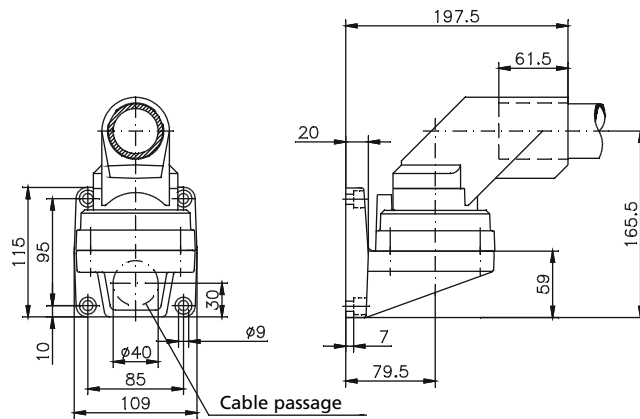
Order No. **49.49 62 00**



Wall hinge W (horizontal)

Cast aluminium with steel inner tube and flange mounting.
Swivelling range 250° (cannot be limited or stopped)

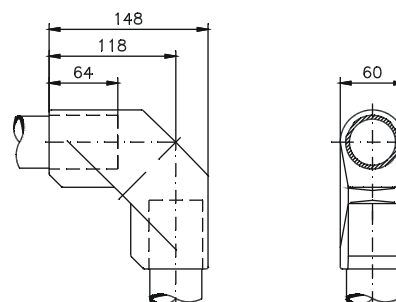
Order No. **49.49 70 00**



Angle

Cast aluminium, angle 90°.

Order No. **49.49 71 00**

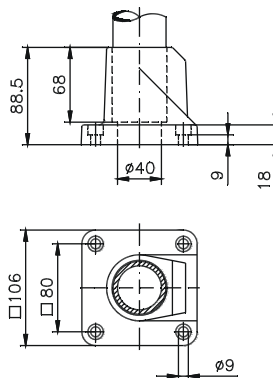


System components



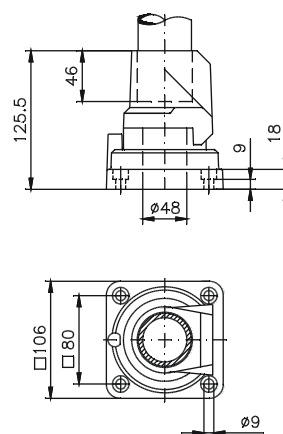
Foot stand, fixed
Cast aluminium, fixed version

Order No. **49.49 72 00**



Foot stand, turnable
Cast aluminium with steel inner tube and flange mounting.
Swivelling range 250° (cannot be limited or stopped)

Order No. **49.49 68 00**



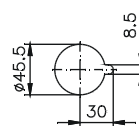
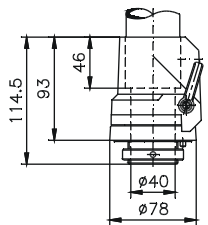
System components



Coupling

Cast aluminium with steel inner tube. Coupling through-fitted. Fastened with locknut on the inside of the enclosure, screw connection not visible from the outside. Swivelling range 270° can be stopped at any point via clamping lever (swivelling range cannot be limited)

Order No. **49.49 73 00**



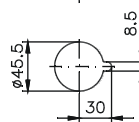
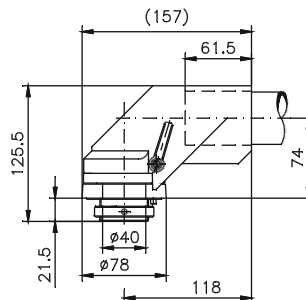
Assembly drill hole



Angle coupling

Combination of angle and coupling for horizontal tube exit. Cast aluminium with steel inner tube. Coupling through-fitted. Fastened with locknut on the inside of the enclosure, screw connection not visible from the outside. Swivelling range 270° can be stopped at any point via clamping lever (swivelling range cannot be limited)

Order No. **49.49 75 00**



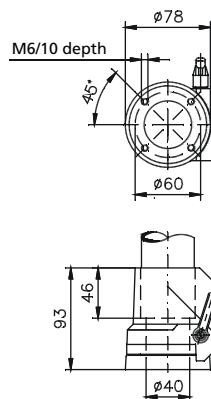
Assembly drill hole

System components

**Flange coupling**

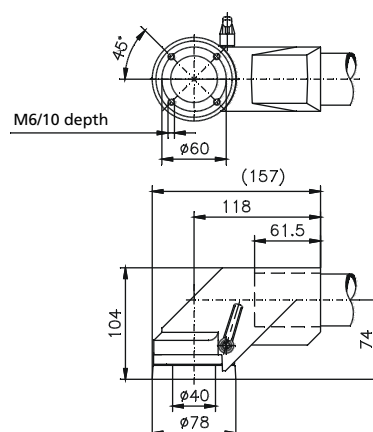
Cast aluminium with steel inner tube. Coupling mounted from inside. Swivelling range 270° can be stopped at any point via clamping lever (swivelling range cannot be limited)

Order No. **49.49 77 00**

**Flange angle coupling**

Combination of angle and coupling for horizontal tube exit. Cast aluminium with steel inner tube. Coupling mounted from inside. Swivelling range 270° can be stopped at any point via clamping lever (swivelling range cannot be limited)

Order No. **49.49 78 00**

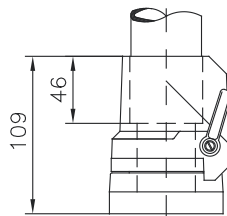
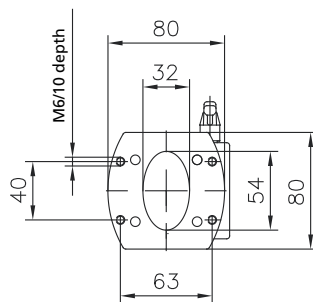


System components



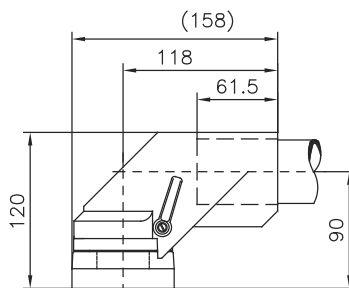
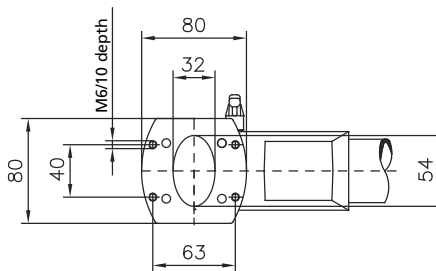
Flange coupling GT 48/2 Pro
 for direct mounting of Siemens Pro command units
 Cast aluminium with steel inner tube. Coupling mounted from inside.
 Swivelling range 270° can be stopped at any point via clamping lever (swivelling range cannot be limited)

Order No. **49.49 77 02**



Flange angle coupling GT 48/2 Pro
 for direct mounting of Siemens Pro command units
 Combination of angle and coupling for horizontal tube exit. Cast aluminium with steel inner tube.
 Coupling mounted from inside.
 Swivelling range 270° can be stopped at any point via clamping lever (swivelling range cannot be limited)

Order No. **49.49 78 02**

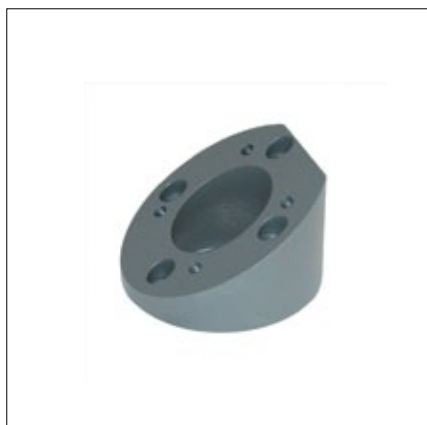
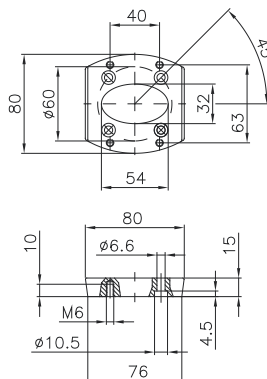


System components



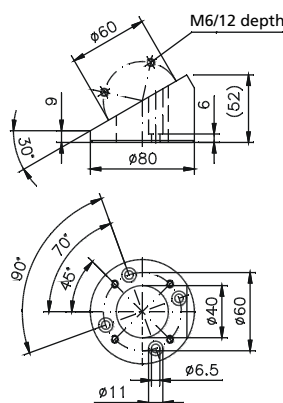
Adapter plate GT 48/2 Pro
for connecting GT 48/2 elements with Siemens Pro command units
(not relevant for flange coupling GT 48/2 Pro and flange angle coupling GT 48/2 Pro)

Order No. **49.45 00 01**



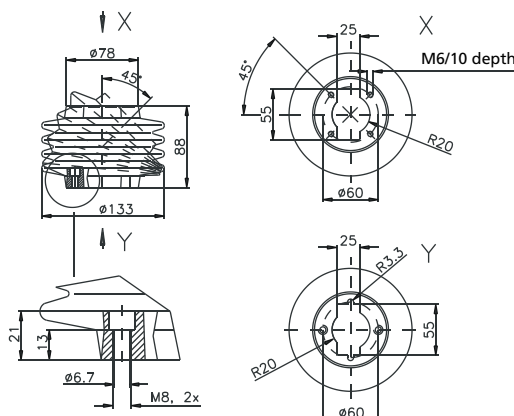
Console flange
Aluminium incl. screws and seal, fixed inclination 30°.
Screw-mounted between enclosure and coupling.

Order No. **49.49 76 00**



Inclining adapter
Cast aluminium part with bellow and seal, inclination can be adjusted to any angle between 0° and 45°. Screw-mounted between enclosure and coupling.

Order No. **49.49 80 00**



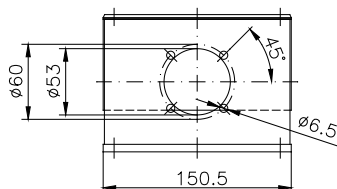
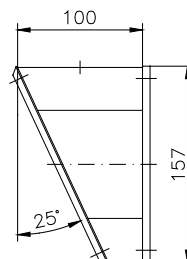
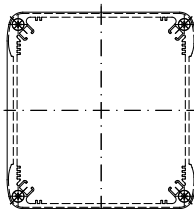
System components



Flat panel adapter

Aluminium profile for rear connection of GT 48/2 / GTK electronic to flat panels. RAL 7035, light grey

Order No. **49.45 90 01**





- Robust industrial square tube suspension system
- Modular construction for individual components
- High loading capacity, large extension

Technical data

Material:

Connecting tube: square steel tube
similar DIN EN 10305-5, wall thickness 5 mm

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

Seal:

CR and/or NBR

Painting:

Powder coating

Colour:

Tube: galvanized

Components: RAL 7043, traffic grey B

Special colour on request

Ingress protection:

IP 65 to EN 60529

Free cable passage:

GT 50/2 16 cm² (40 x 40 mm)

GT 60/2 25 cm² (50 x 50 mm)















GT 80/2 49 cm² (70 x 70 mm)

Included in delivery:

Individual system components incl. assembly material

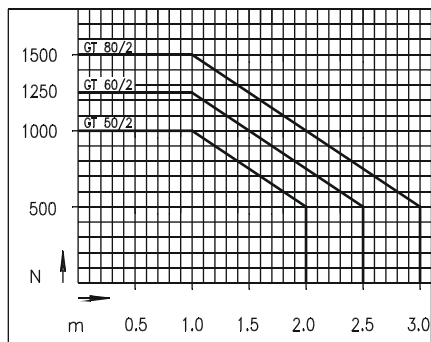
GT50/2; GT 60/2; GT 80/2

Product range

| | | GT 50/2 | | GT 60/2 | | GT 80/2 | |
|---------------------------------------|---|--------------------|------------|--------------------|------------|--------------------|-------------|
| | | Order No. | Weight (g) | Order No. | Weight (g) | Order No. | Weight (g) |
| Top-mounted joint |  | 49.51 66 00 | 13500 | 49.61 66 00 | 17300 | 49.81 66 00 | 23300 |
| Foot stand, cast steel |  | 49.51 74 00 | 3160 | 49.61 74 00 | 4300 | 49.81 74 00 | 6200 |
| Wall hinge |  | 49.51 70 00 | 6700 | 49.61 70 00 | 9100 | 49.81 70 00 | 12880 |
| Adapter flange |  | 49.51 79 00 | 3200 | 49.61 79 00 | 3660 | 49.81 79 00 | 5680 |
| Intermediate joint |  | 49.51 67 00 | 6900 | 49.61 67 00 | 9600 | 49.81 67 00 | 13000 |
| Angle, cast steel |  | 49.51 80 00 | 4720 | 49.61 80 00 | 6200 | 49.81 80 00 | 9000 |
| Angel coupling |  | 49.51 75 00 | 2200 | 49.61 75 00 | 3020 | 49.81 75 00 | 5360 |
| Flange angle coupling |  | 49.51 78 00 | 2800 | 49.61 78 00 | 3900 | 49.81 78 00 | 5600 |
| Coupling |  | 49.51 73 00 | 1450 | 49.61 73 00 | 2400 | 49.81 73 00 | 4100 |
| Flange coupling |  | 49.51 77 00 | 2170 | 49.61 77 00 | 3200 | 49.81 77 00 | 5200 |
| Console coupling DN |  | 49.51 62 00 | 2200 | 49.61 62 00 | 3700 | 49.81 62 00 | 5860 |
| Console adapter 30° |  | 49.51 76 00 | 1160 | 49.61 76 00 | 1280 | 49.81 76 00 | 2120 |
| Signal fitting |  | 49.51 80 10 | 300 | 49.61 80 10 | 360 | 49.81 80 10 | 400 |
| Adapter plate GTK on GT 80/2; GT 60/2 | | | | | | 49.81 10 00 | 1100 |
| Column stand |  | 49.51 00 04 | | 49.61 00 04 | | | auf Anfrage |

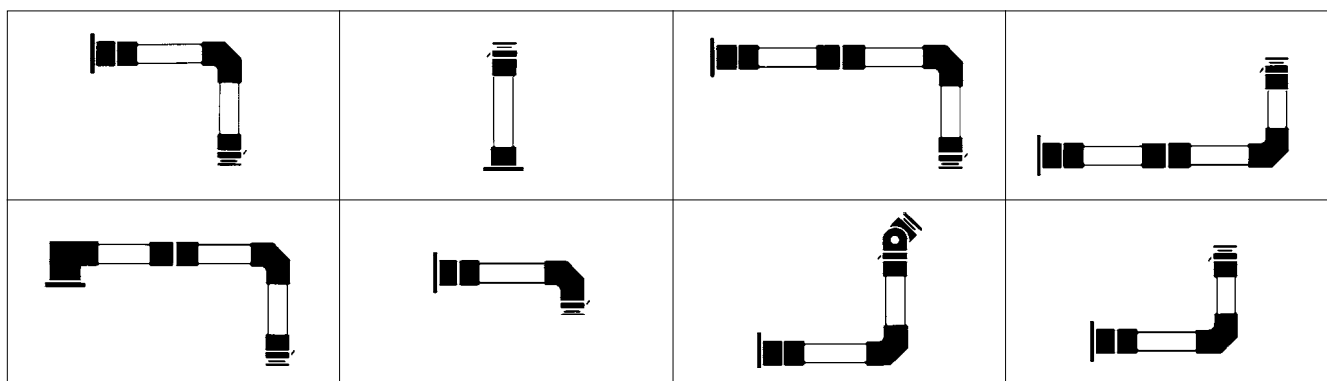
| Connecting tube | GT 50/2 | | GT 60/2 | | GT 80/2 | |
|----------------------------------|--------------------|------------|--------------------|------------|--------------------|------------|
| | Order No. | Weight (g) | Order No. | Weight (g) | Order No. | Weight (g) |
| Standard length: 0.5 m | 10.09 42 20 | 3320 | 10.09 42 23 | 4250 | 10.09 42 27 | 5800 |
| Standard length: 1 m | 10.09 42 21 | 6300 | 10.09 42 24 | 7800 | 10.09 42 28 | 11000 |
| Standard length: 2 m | 10.09 42 22 | 13000 | 10.09 42 25 | 17000 | 10.09 42 29 | 21000 |
| Standard length: 3 m | 10.09 42 42 | 20000 | 10.09 42 26 | 25000 | 10.09 42 30 | 34000 |
| Variable length (please specify) | 10.09 41 56 | | 10.09 41 57 | | 10.09 41 59 | |

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

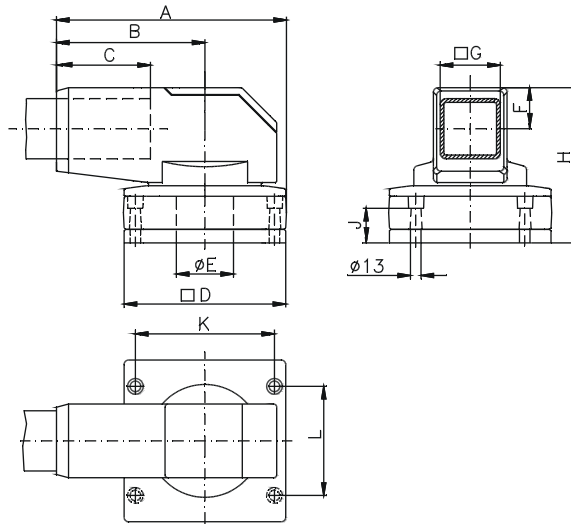


System components



Top-mounted joint

Cast steel swivel member for mounting onto assembly surfaces or for suspension (ceiling mounting). Assembly cover to ease cable installation. Tube clamping and alignment via olive rings. Swivelling range 310°, can be limited from between 0° to 270° (plain bearing), swivel force can be adjusted via bearing screw.

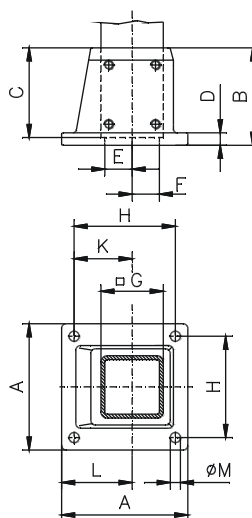


| Type | Order No. | Weight (g) | A | B | C | D | E | F | G | H | J | K | L |
|------|--------------------|------------|-----|-------|-----|-----|----|------|----|-----|----|-----|-----|
| 50/2 | 49.51 66 00 | 13500 | 251 | 160 | 95 | 180 | 50 | 39,5 | 50 | 151 | 35 | 150 | 116 |
| 60/2 | 49.61 66 00 | 17300 | 278 | 179,5 | 110 | 195 | 58 | 44,5 | 60 | 171 | 38 | 165 | 125 |
| 80/2 | 49.81 66 00 | 23300 | 306 | 197,5 | 125 | 215 | 76 | 54,5 | 80 | 206 | 46 | 185 | 145 |



Foot stand

Cast steel element for floor mounting. Tube clamping and alignment via olive rings.



| Type | Order No. | Weight (g) | A | B | C | D | E | F | G | H | K | L | M |
|------|--------------------|------------|-----|-----|-----|----|------|------|----|-----|------|------|----|
| 50/2 | 49.51 74 00 | 3160 | 128 | 90 | 80 | 12 | 20,5 | 19,5 | 40 | 100 | 57 | 71 | 12 |
| 60/2 | 49.61 74 00 | 4300 | 138 | 100 | 90 | 14 | 25,5 | 24,5 | 50 | 110 | 63 | 77 | 12 |
| 80/2 | 49.81 74 00 | 6200 | 162 | 115 | 105 | 16 | 35,5 | 34,5 | 80 | 130 | 74,5 | 90,5 | 14 |

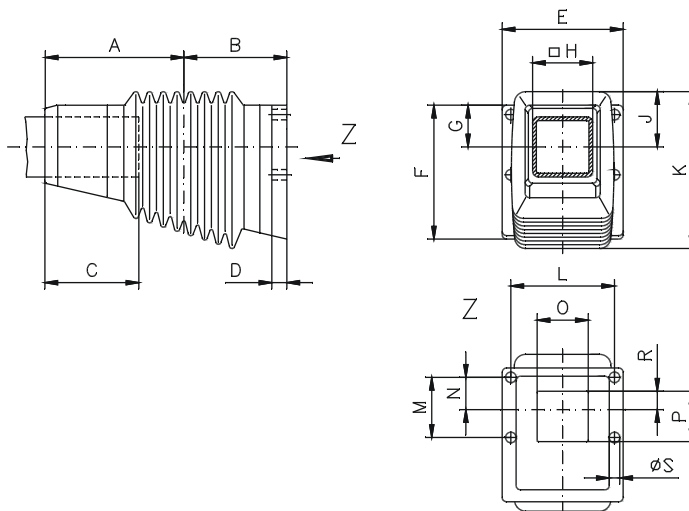
GT50/2; GT 60/2; GT 80/2

System components



Wall hinge

Steel elements with plain bearing. Tube clamping and alignment via olive rings. Dust and damp protection via PVC bellow. Swivelling range 180°, can be limited to stepped degrees with stops, swivel force can be adjusted via bearing screw.

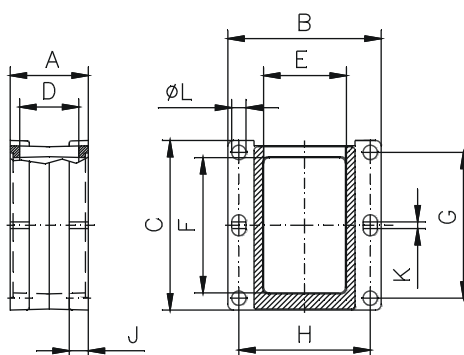


| Type | Order No. | Weight (g) | A | B | C | D | E | F | G | H | J | K | L | M | N | O | P | R | S |
|------|--------------------|------------|-----|-----|-----|----|-----|-----|----|----|----|-----|-----|----|------|----|------|----|----|
| 50/2 | 49.51 70 00 | 6700 | 140 | 90 | 95 | 12 | 132 | 125 | 40 | 50 | 58 | 164 | 107 | 50 | 27,5 | 48 | 35 | 11 | 12 |
| 60/2 | 49.61 70 00 | 9100 | 162 | 102 | 110 | 15 | 140 | 145 | 45 | 60 | 62 | 176 | 115 | 60 | 32,5 | 57 | 44,5 | 15 | 12 |
| 80/2 | 49.81 70 00 | 12880 | 185 | 137 | 125 | 20 | 161 | 178 | 56 | 80 | 75 | 210 | 138 | 80 | 43,5 | 68 | 67 | 25 | 14 |



Adapter flange for wall hinge

Cast steel adapter for mounting between wall hinge and mounting surface. Removable intake plate allows cable entry from below.



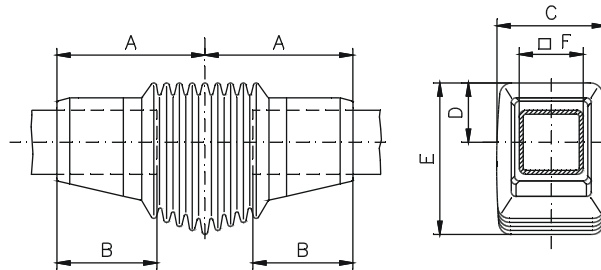
| Type | Order No. | Weight (g) | A | B | C | D | E | F | G | H | J | K | L |
|------|--------------------|------------|----|-----|-----|----|----|-----|-----|-----|----|---|----|
| 50/2 | 49.51 79 00 | 3200 | 66 | 132 | 125 | 46 | 57 | 89 | 100 | 107 | 12 | 0 | 12 |
| 60/2 | 49.61 79 00 | 3660 | 72 | 140 | 145 | 52 | 65 | 109 | 120 | 115 | 15 | 0 | 12 |
| 80/2 | 49.81 79 00 | 5680 | 82 | 161 | 178 | 62 | 86 | 142 | 153 | 138 | 20 | 7 | 15 |

System components



Intermediate joint

Cast steel swivel member with plain bearing. Tube clamping and alignment via olive rings. Dust and damp protection via PVC corrugated duct. Swivelling range 180°, can be limited to stepped degrees with stops, swivel force can be adjusted via bearing screw.

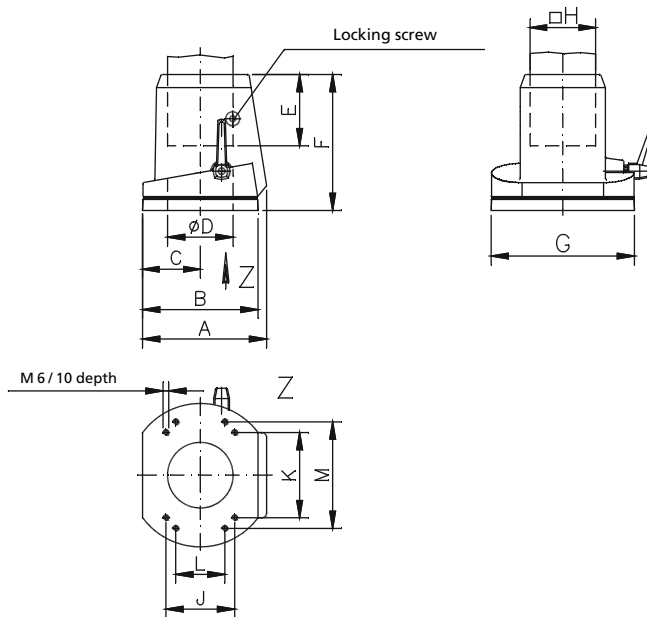


| Type | Order No. | Weight (g) | A | B | C | D | E | F |
|------|--------------------|------------|-----|-----|-----|----|-----|----|
| 50/2 | 49.51 67 00 | 6900 | 140 | 95 | 107 | 58 | 152 | 50 |
| 60/2 | 49.61 67 00 | 9600 | 162 | 110 | 114 | 62 | 162 | 60 |
| 80/2 | 49.81 67 00 | 13000 | 185 | 125 | 136 | 75 | 190 | 80 |



Flange coupling

Cast aluminium with steel inner tube. Fastened to connecting tube with olive rings. Additional safety screws for large loads. Permanent plain bearing with PA-bearing, adjustable swivel friction force. Swivelling range 325° can be stopped at any point with clamping lever, stops can limit movement in 25° steps. Elbow flange coupling cannot be used as top-mounted joint!



| Type | Order No. | Weight (g) | A | B | C | D | E | F | G | H | J | K | L | M |
|------|--------------------|------------|-----|-----|------|----|----|-------|-----|----|----|-----|----|-----|
| 50/2 | 49.51 77 00 | 2170 | 110 | 107 | 53,5 | 48 | 55 | 116 | 131 | 50 | 57 | 77 | - | - |
| 60/2 | 49.61 77 00 | 3200 | 124 | 117 | 59,5 | 58 | 65 | 136,5 | 141 | 60 | 57 | 77 | - | - |
| 80/2 | 49.81 77 00 | 5200 | 151 | 141 | 70,5 | 80 | 87 | 166 | 175 | 80 | 84 | 104 | 60 | 130 |

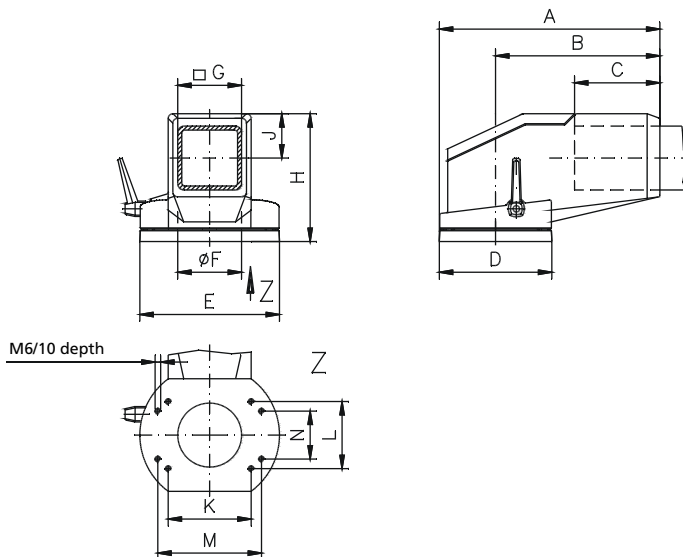
GT50/2; GT 60/2; GT 80/2

System components



Flange angle coupling

Combination of coupling and angle, swivel joint in cast aluminium. Fastened to connecting tube with olive rings. Permanent plain bearing with PA-bearing, adjustable swivel friction force. Swivelling range 325° can be stopped at any point with clamping lever, stops can limit movement in 25° steps. Angle flange coupling cannot be used as top-mounted joint!

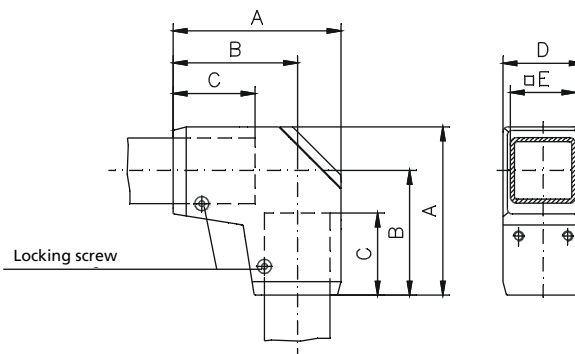


| Type | Order No. | Weight (g) | A | B | C | D | E | F | G | H | J | K | L | M | N |
|------|--------------------|------------|-------|-----|-----|-----|-----|----|----|-------|------|-----|----|-----|----|
| 50/2 | 49.51 78 00 | 2800 | 187,5 | 134 | 80 | 107 | 131 | 48 | 50 | 117,5 | 39,5 | 77 | 57 | - | - |
| 60/2 | 49.61 78 00 | 3900 | 216,5 | 158 | 90 | 117 | 141 | 58 | 60 | 130,5 | 42,5 | 77 | 57 | - | - |
| 80/2 | 49.81 78 00 | 5600 | 276,5 | 206 | 107 | 141 | 175 | 80 | 80 | 160 | 55,5 | 104 | 84 | 130 | 60 |



Angle

Cast steel angle joint 90°. Tube clamping and alignment via olive rings. Additional safety screws, particularly for vibration protection. Assembly cover eases cable installation.



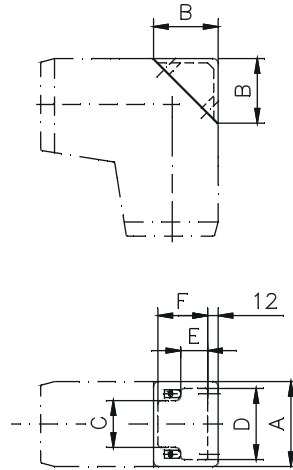
| Type | Order No. | Weight (g) | A | B | C | D | E |
|------|--------------------|------------|-----|-----|-----|----|----|
| 50/2 | 49.51 80 00 | 4720 | 154 | 115 | 80 | 74 | 50 |
| 60/2 | 49.61 80 00 | 6200 | 172 | 128 | 90 | 84 | 60 |
| 80/2 | 49.81 80 00 | 9000 | 210 | 157 | 105 | 98 | 80 |

System components



Signal fitting

Cast aluminium part for mounting indicator lights on the angle.

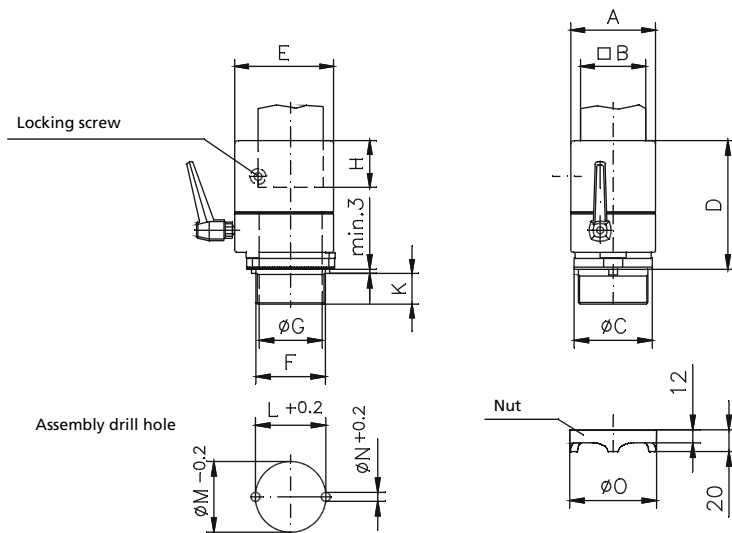


| Type | Order No. | Weight (g) | A | B | C | D | E | F |
|------|--------------------|------------|----|----|----|----|----|----|
| 50/2 | 49.51 80 10 | 300 | 74 | 60 | 36 | 54 | 29 | 38 |
| 60/2 | 49.61 80 10 | 360 | 84 | 65 | 40 | 62 | 32 | 43 |
| 80/2 | 49.81 80 10 | 400 | 98 | 76 | 54 | 82 | 42 | 54 |



Coupling

Cast aluminium with steel inner tube. Fitting through enclosure hole. Fastened to connecting tube with olive rings. Additional safety screws for large loads. Permanent plain bearing with PA-bearing. Friction force of swivel movement is adjustable. Swivelling range 300° can be stopped at any point with clamping lever.



| Type | Order No. | Weight (g) | A | B | C | D | E | F | G | H | K | L | M | N | O |
|------|--------------------|------------|-----|----|-----|-------|-----|---------|------|----|----|------|----|------|-----|
| 50/2 | 49.51 73 00 | 1450 | 66 | 50 | 62 | 99,5 | 82 | M50 x 2 | 44,5 | 32 | 31 | 50,8 | 51 | 8,2 | 65 |
| 60/2 | 49.61 73 00 | 2400 | 78 | 60 | 72 | 118,5 | 91 | M64 x 2 | 56 | 45 | 31 | 64,8 | 65 | 8,2 | 80 |
| 80/2 | 49.81 73 00 | 4100 | 104 | 80 | 104 | 145,5 | 115 | M90 x 2 | 80 | 49 | 34 | 90,8 | 91 | 10,2 | 111 |

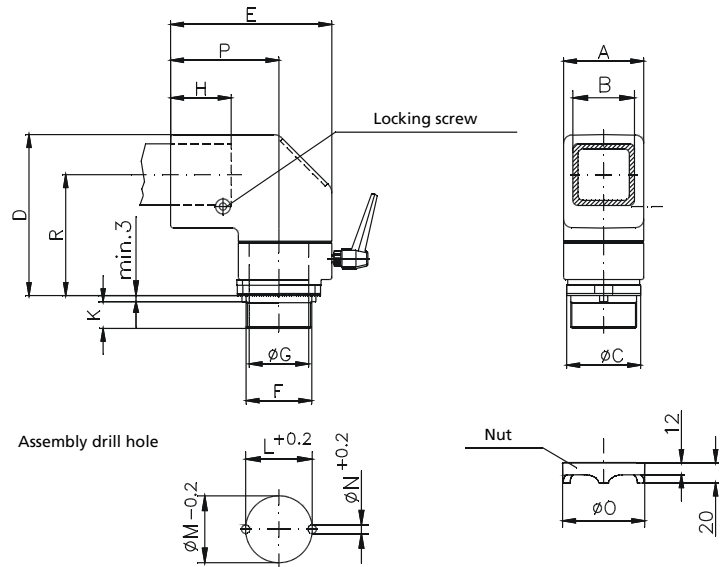
GT50/2; GT 60/2; GT 80/2

System components



Angle coupling

Combination of coupling and angle, cast aluminium. Fitting through enclosure hole. Fastened to connecting tube with olive rings. Additional safety screws for large loads. Permanent plain bearing with PA-bearing. Friction force of swivel movement is adjustable. Swivelling range 300° can be stopped at any point with clamping lever.

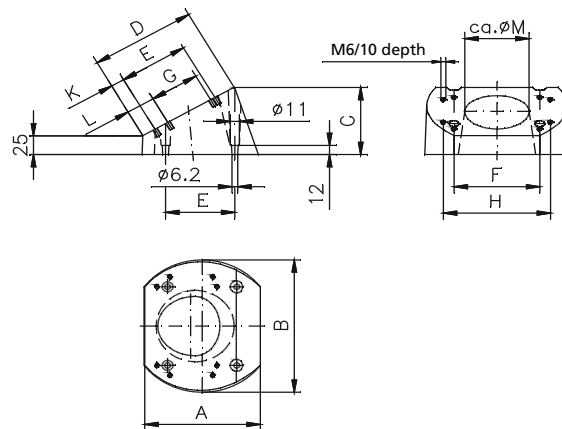


| Type | Order No. | Weight (g) | A | B | C | D | E | F | G | H | K | L | M | N | O | P | R |
|------|--------------------|------------|-----|----|-----|-----|-----|---------|------|----|----|------|----|------|-----|-------|-----|
| 50/2 | 49.51 75 00 | 2200 | 66 | 50 | 62 | 140 | 140 | M50 x 2 | 44,5 | 47 | 31 | 50,8 | 51 | 8,2 | 65 | 95 | 104 |
| 60/2 | 49.61 75 00 | 3020 | 78 | 60 | 72 | 157 | 157 | M64 x 2 | 56 | 61 | 31 | 64,8 | 65 | 8,2 | 80 | 105,5 | 118 |
| 80/2 | 49.81 75 00 | 5360 | 104 | 80 | 104 | 199 | 200 | M90 x 2 | 80 | 72 | 34 | 90,8 | 91 | 10,2 | 111 | 137 | 149 |



Console adapter

Cast aluminium part with fixed 30° inclination for assembly between enclosure and flange coupling GT 50/2, GT 60/2 and GT 80/2.



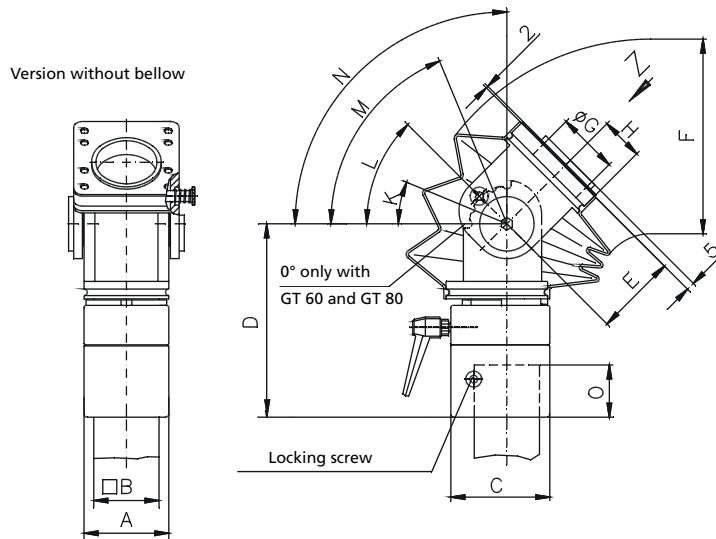
| Type | Order No. | Weight (g) | A | B | C | D | E | F | G | H | K | L | M |
|------|--------------------|------------|-----|-----|----|-----|----|-----|----|-----|----|----|----|
| 50/2 | 49.51 76 00 | 1160 | 107 | 131 | 71 | 92 | 57 | 77 | - | - | 14 | - | 50 |
| 60/2 | 49.61 76 00 | 1280 | 117 | 141 | 76 | 102 | 57 | 77 | - | - | 18 | - | 60 |
| 80/2 | 49.81 76 00 | 2120 | 141 | 175 | 89 | 128 | 84 | 104 | 60 | 130 | 17 | 35 | 80 |

System components



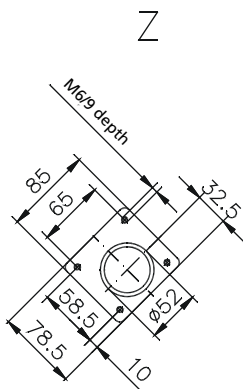
Console coupling

Cast aluminium with steel inner tube. Fastened to connecting tube with olive rings, and to enclosure with flange. Dust and damp protection via PVC bellow. Additional safety screws for large loads. Permanent plain bearing with PA-bearing, adjustable swivel friction force. Swivelling range 300° can be stopped at any point with clamping lever.

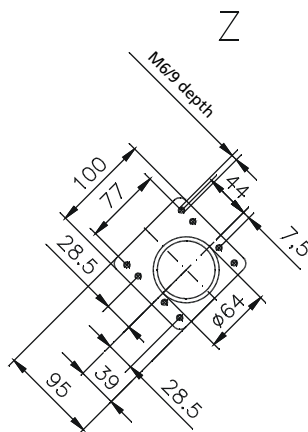


| Type | Order No. | Weight (g) | A | B | C | D | E | F | G | H | K | L | M | N | O |
|------|--------------------|------------|-----|----|-----|-----|----|-----------|------|------|-------|-------|-------|-----|----|
| 50/2 | 49.51 62 00 | 2200 | 66 | 50 | 82 | 142 | 44 | 115 x 103 | 44,5 | 32,5 | 15° | 32,5° | 50° | - | 32 |
| 60/2 | 49.61 62 00 | 3700 | 78 | 60 | 91 | 178 | 75 | 180 x 160 | 56 | 39 | 22,5° | 45° | 67,5° | 90° | 45 |
| 80/2 | 49.81 62 00 | 5860 | 104 | 80 | 115 | 212 | 84 | 210 x 180 | 80 | 55 | 22,5° | 45° | 67,5° | 90° | 49 |

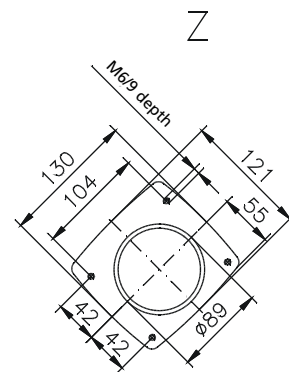
Flange dimensions for GT 50/2 console coupling



Flange dimensions for GT 60/2 console coupling



Flange dimensions for GT 80/2 console coupling



GT50/2; GT 60/2; GT 80/2



Column

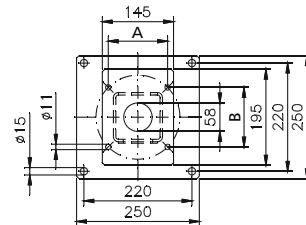
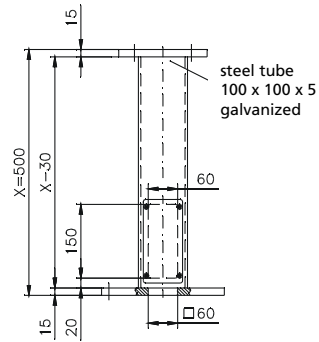
Sheet steel, painted, individual length including adapter plate for top mounted joint. At the base flange outlet max. length 2 m.

Order No.

49.51 00 04 8 GT 50/2 (specify total length)

49.61 00 04 8 GT 60/2 (specify total length)

on request GT 80/2

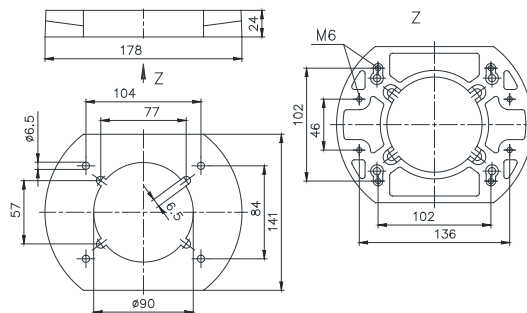


| Type | A | B |
|------|-----|-----|
| 50/2 | 116 | 150 |
| 60/2 | 125 | 165 |



Adapter GTK on GT 80/2; GT 60/2

Order No. **49.81 10 00**





- Industrial square suspension system with free accessible cable channel
- Modular construction with free accessible cable duct
- Floor, top-mounting or wall exit options











Technical data

| |
|--|
| Material: |
| Connecting tube: square ST 37 similar to DIN EN 10305-5, wall thickness 5 mm or 8 mm |
| Components: spheroidal graphite cast iron and/or cast aluminium |
| Cable duct / cover: aluminium extruded profile |
| Bearing: ball bearing |
| Bellow: textile fabric |
| Seal: |
| CR or NBR |
| Painting: |
| Powder coating |
| Colour: |
| Cable duct / cover: RAL 7035, light grey |
| Components: RAL 7043, traffic grey B |
| Special colours on request |
| Ingress protection: |
| IP 65 to EN 60529 on with connection of top-mounted flange / enclosure |
| Free cable passage: |
| 57 cm ² |

Included in delivery:
Individual system components incl. cable duct covering and assembly materials

GTK 80

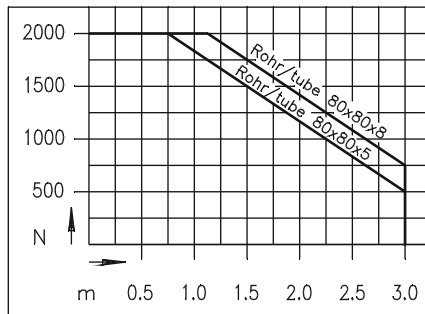
Product range

| | | Order No. | Weight (g) |
|---------------------------|---|--------------------|------------|
| Top-mounted joint |  | 49.90 66 01 | 20000 |
| Foot stand / wall flange |  | 49.90 74 01 | 6755 |
| Wall hinge |  | 49.90 70 01 | 18900 |
| Intermediate joint |  | 49.90 67 01 | 15200 |
| Angle (FH) cast iron |  | 49.90 71 11 | 12020 |
| Angle (AS) aluminium |  | 49.90 71 20 | 3600 |
| Angle coupling |  | 49.90 75 01 | 5521 |
| Coupling |  | 49.90 73 01 | 5290 |
| Top-mounted flange type A |  | 49.90 00 30 | 1100 |
| Top-mounted flange type B |  | 49.90 00 20 | 1100 |

| | Cable duct (standard length to fit relevant suspension tube) | Weight (g) | Suspension tube 80 x 80 x 5 mm Weight (g) | Suspension tube 80 x 80 x 8 mm Weight (g) |
|----------------------------------|--|---------------|--|--|
| Standard length: 0.5 m | 10.09 42 35 | 1450 | 10.09 42 27 5800 | 10.09 42 31 9000 |
| Standard length: 1 m | 10.09 42 36 | 2900 | 10.09 42 28 11600 | 10.09 42 32 18000 |
| Standard length: 2 m | 10.09 42 37 | 5800 | 10.09 42 29 23200 | 10.09 42 33 36000 |
| Standard length: 3 m | 10.09 42 38 | 8700 | 10.09 42 30 34800 | 10.09 42 34 54000 |
| Variable length (please specify) | 10.09 41 65* | | 10.09 41 59 | 10.09 41 68 |

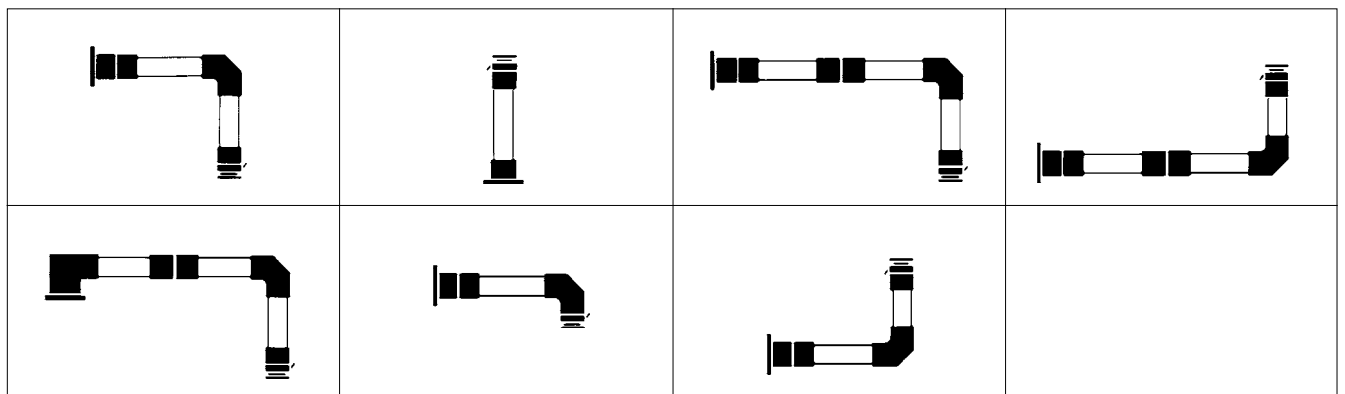
* The cable duct needs to be 175 mm shorter than the suspension tube length!

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



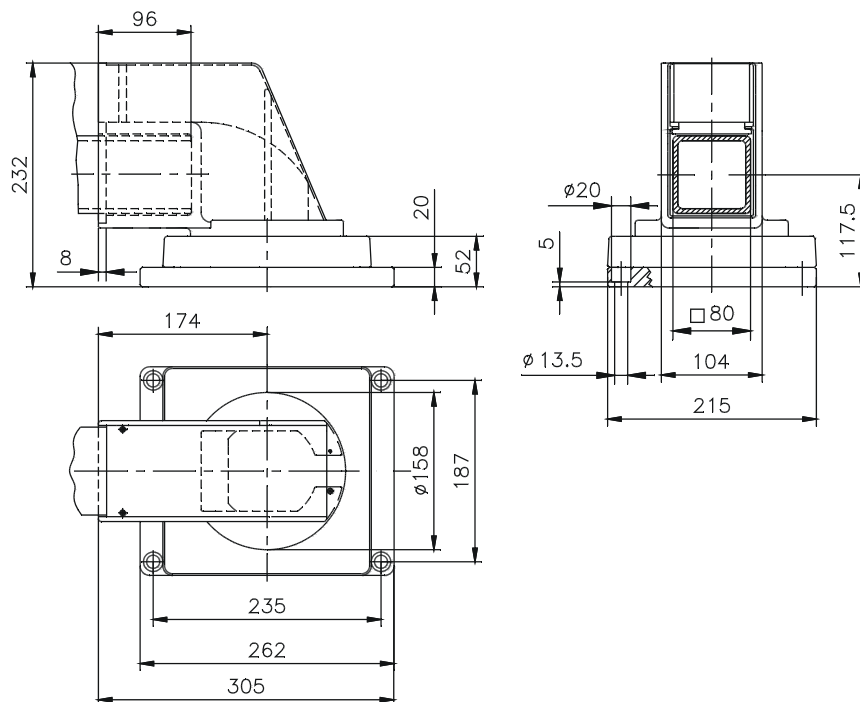
System components



Top-mounted joint

Cast iron. Fastening and adjustment on suspension tube with olive rings. Permanent easy-running ball bearing. Friction force of swivel movement is adjustable. Easy cable routing thanks to open cable duct. Swivelling range approx. 360°

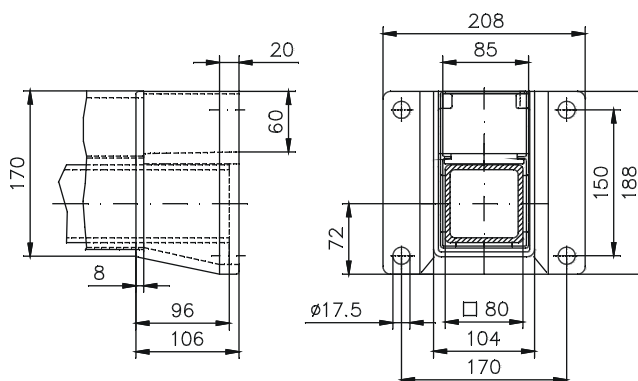
Order No. **49.90 66 01**



Foot stand/wall flange

Cast iron. Fastening and adjustment on suspension tube with olive rings. Mounting options: Vertical (foot stand), horizontal (fixed wall mounting) or hanging (ceiling mounted). Easy cable routing thanks to open cable duct.

Order No. **49.90 74 01**



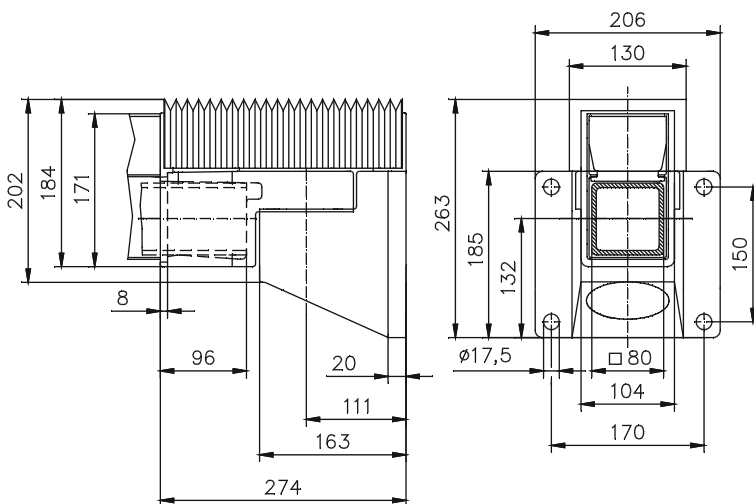
System components



Wall hinge

Cast iron. Fastening and adjustment on suspension tube with olive rings. Permanent easy-running ball bearing. Friction force of swivel movement is adjustable. Easy cable routing thanks to open cable duct. Dust protection with woven bellow. Swivelling range approx. 180°

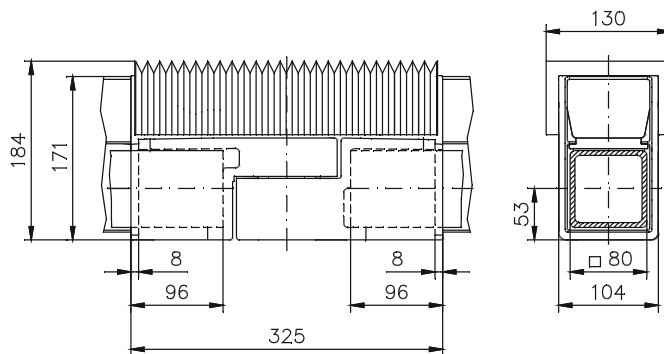
Order No. **49.90 70 01**



Intermediate joint

Cast iron. Fastening and adjustment on suspension tube with olive rings. Permanent easy-running ball bearing. Friction force of swivel movement is adjustable. Easy cable routing thanks to open cable duct. Dust protection with woven bellow. Swivelling range approx. 180°

Order No. **49.90 67 01**



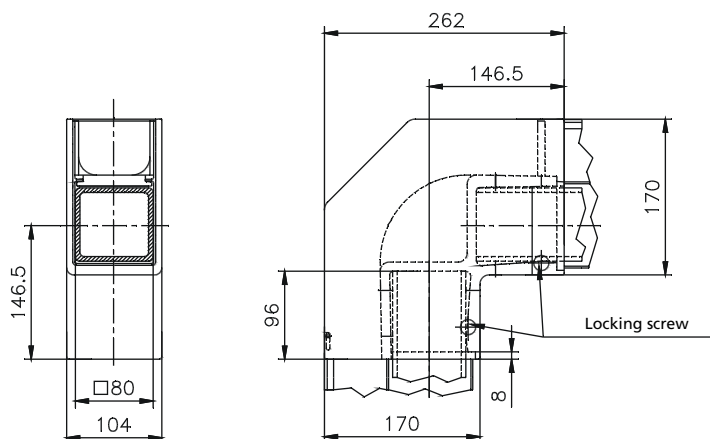
System components



Angle (FH)

Cast iron. 90° angle for use with high bending loads. Fastening and adjustment on suspension tube with olive rings. Additional safety screws for high vertical tensile loads. Easy cable routing thanks to open cable duct.

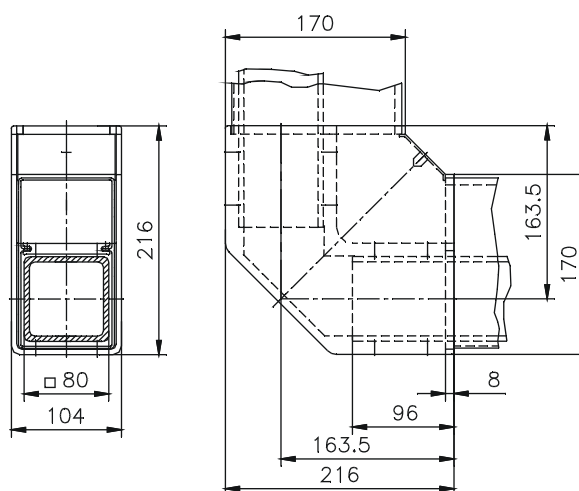
Order No. **49.90 71 11**



Angle (AS)

Cast aluminium 90° angle for vertical construction from the bottom up with minimal bending load. Fastening and adjustment on suspension tube with olive rings. Easy cable routing thanks to open cable duct.

Order No. **49.90 71 20**



System components

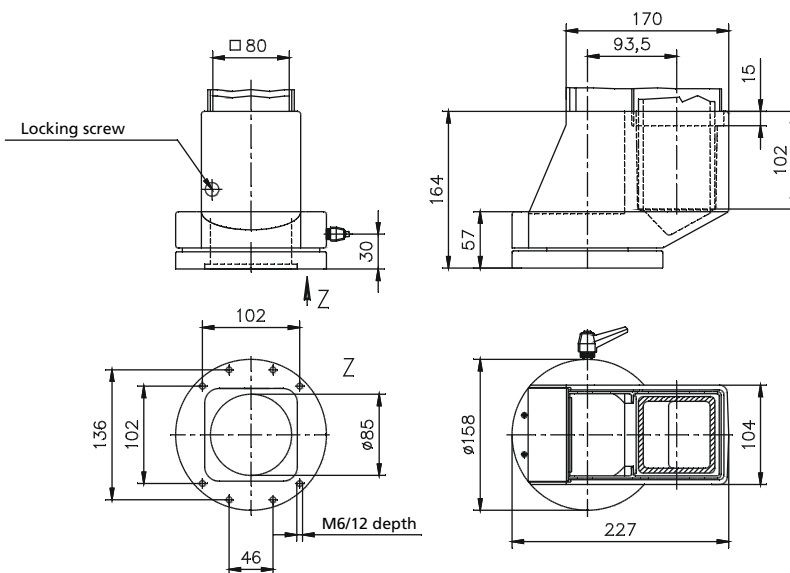


Coupling

Cast aluminium Large surface flange mounting on enclosure. Fastening and adjustment on suspension tube with olive rings. Permanent easy-running ball bearing. Swivel movement friction force can be adjusted with clamping lever. Easy cable routing thanks to open cable duct. Swivelling range approx. 320°

Caution: Custom flange fastening available for extremely heavy duty work!

Order No. **49.90 73 01**

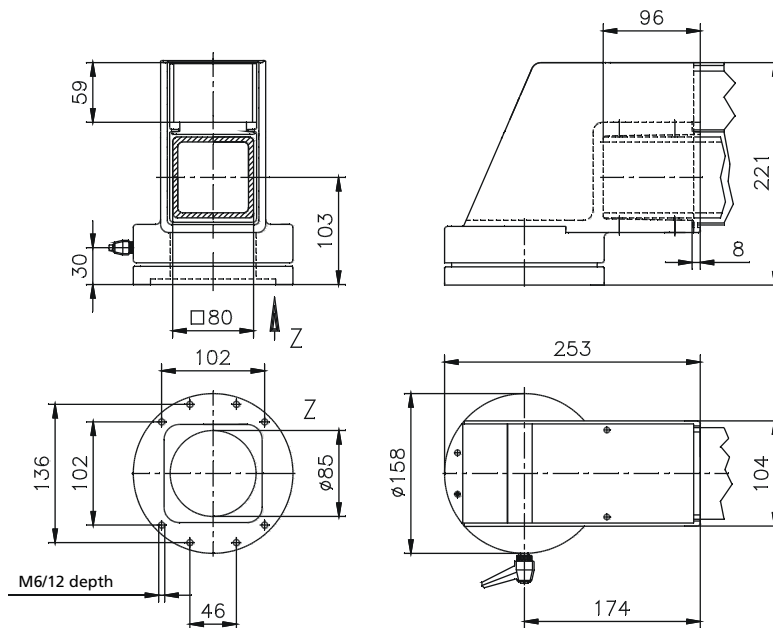


Angle coupling

Cast aluminium. Combination of coupling and angle. Large surface flange mounting on enclosure. Fastening and adjustment on suspension tube with olive rings. Permanent easy-running ball bearing. Swivel movement friction force can be adjusted with clamping lever. Easy cable routing thanks to open cable duct. Swivelling range approx. 320°

Caution: special flange fastening available for extremely heavy duty work!

Order No. **49.90 75 01**



System components



Top-mounting flange

Fitted in combination with coupling or angle coupling to maintain compliance with enclosure rating IP 65 at transition to control panel.

Type A: Cast aluminium Large area mounting on enclosure for maximum 3 ready-made leads with diameters from 7 to 26 mm. Open cable entry.

Type B: Cast aluminium Large area mounting on enclosure for a large number of ready-made leads. Sealed with special cable glands or threaded cable connectors. Open cable entry.

Type A: Order No. **49.90 00 30**

Type B: Order No. **49.90 00 20**

