Always a little more flexible:

häwa Pendant Arm Systems, Lift Systems and Control Enclosures
Is there actually an efficient solution in the pendant arm system program that complies with our requirements?

The best solutions for human-machine interfaces are not created at the assembly line but while talking with you.

Angela Merola, Sales Director Export

As your personal häwa consultant, I’m always there for you - and I’m looking forward to your individual requirements.
Our customers always place high demands on pendant arm systems. Sometimes bigger and sometimes smaller - but very often requirements are quite different from standard.

These individual requirements are always the focus when you call häwa. We are convinced if we combine your experience and particular specifications with our experience over numerous projects the optimum solution can be achieved.

All customized solutions are based on our pendant arm systems which have been proven in thousands of applications. Our standard range of pendant arms with its ergonomic design and impressive function, its stability and very high load carrying capacity as well as its high flexibility, offers numerous application possibilities. On that basis, we, as full-service provider for control enclosures and pendant arm systems, firmly believe working together is the best method to being an asset to you, our customers.

Everything from a simple adjustment for better usage of enclosure space to ergonomically designed interfaces with design and functionality going perfectly hand in hand. We will do our very best to fulfill your and/or your customers’ wishes if possible. We are not here to just sell you our products, we are here to do all we can to make your final product even better if we can.
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lift Systems</td>
<td>06</td>
</tr>
<tr>
<td>HLT Lift Systems</td>
<td>08</td>
</tr>
<tr>
<td>Pendant Arm Systems</td>
<td>14</td>
</tr>
<tr>
<td>HLT Pendant Arm System</td>
<td>16</td>
</tr>
<tr>
<td>Control Enclosures</td>
<td>46</td>
</tr>
<tr>
<td>HLG Control Enclosures</td>
<td>48</td>
</tr>
<tr>
<td>Part List</td>
<td>52</td>
</tr>
<tr>
<td>Mounting Options HLT Lift Systems</td>
<td>54</td>
</tr>
<tr>
<td>Mounting Options HLT Pendant Arm System</td>
<td>55</td>
</tr>
<tr>
<td>Top Mounting</td>
<td>55</td>
</tr>
<tr>
<td>Mounting Options HLT Pendant Arm System</td>
<td>56</td>
</tr>
<tr>
<td>Floor Mounting</td>
<td>56</td>
</tr>
<tr>
<td>Mounting Options HLT Pendant Arm System</td>
<td>57</td>
</tr>
<tr>
<td>Ceiling Mounting</td>
<td>57</td>
</tr>
<tr>
<td>Wall Mounting</td>
<td>58</td>
</tr>
<tr>
<td>For your Notes</td>
<td>59</td>
</tr>
<tr>
<td>häwa Product Portfolio</td>
<td>62</td>
</tr>
</tbody>
</table>
häwa Lift Systems

häwa lift systems with internal cable duct, continuously adjustable lifting height and load capacity ranges up to 60 kg offer an unlimited array of standard and customized possibilities to meet your specific requirements.

1 Rigid:
- Load carrying capacity up to 60 kg

3 Appealing:
- The internal cable duct with a cable passage of up to 40 mm diameter offers a compact and visually appealing machine-human interface

2 Flexible:
- The HLT lift system offers individual configuration possibilities

4 Functional:
- Continuously adjustable lifting height with a stroke up to 1 m
Configuration examples:

- HLT Lift 48
- HLT Round tube 48
- HLT Swivel tilt joint

- HLT Aluminium profile
- HLT Intermediate joint
- HLT Lift S
- HLT Profile tube
- HLT Joint
- HLG Control Enclosure Touch

- HLT Lift L
- HLT Profile tube
- HLT Joint
- HLG Control Enclosure Touch

Mounting options, see page 54
häwa
HLT Lift 48

- Continuously adjustable stroke limiter
- Variable swivel range up to 300°
- Max. cable passage: 25 x 19 mm
- Can be combined with HLT components and tubes

Advice from one of our häwa consultants:

You will find your häwa consultant in your vicinity under www.haewa.de/unternehmen/ihr-persoenlicher-ansprechpartner by entering your postal code.
Product Description
Continuously adjustable suspension arm with internal cable duct with DVI connector

- Vertical swing angle +/-40° with continuously adjustable stroke limiter to +/-0°
- Fine adjustment of the load carrying capacity range by means of an adjusting screw
- Restraint-guided load suspension at the head joint
- Option: Automatic locking of the vertical movement in each position over the entire stroke

Scope of Delivery
- HLT lift 48 complete with swivel joint and mounting hardware

<table>
<thead>
<tr>
<th>Stroke upwards/downwards</th>
<th>Extension arm length</th>
<th>Load carrying capacity</th>
<th>Weight</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>mm</td>
<td>kg</td>
<td>kg</td>
<td></td>
</tr>
<tr>
<td>210/210</td>
<td>500</td>
<td>1.5 – 31</td>
<td>10.9</td>
<td>7595-748x-2x-01</td>
</tr>
<tr>
<td>320/300</td>
<td>650</td>
<td>1.5 – 22</td>
<td>12.1</td>
<td>7595-748x-3x-01</td>
</tr>
<tr>
<td>420/400</td>
<td>800</td>
<td>1.5 – 21</td>
<td>13.3</td>
<td>7595-748x-4x-01</td>
</tr>
<tr>
<td>500/500</td>
<td>950</td>
<td>1.5 – 17.8</td>
<td>14.6</td>
<td>7595-748x-5x-01</td>
</tr>
</tbody>
</table>

Ordering Example
This will help you to find the correct order number:

- Choose your design:
  1 = Standard hanging
  3 = Standard hanging; stroke limiter
  e.g.: for standard hanging:
  7595-7481-xx-01

- Choose your required load capacity range:
  e.g.: for load capacity range 2 = 6.0 – 8.5 kg for extension arm length 500:
  7595-7481-x2-01

<table>
<thead>
<tr>
<th>Load capacity range</th>
<th>Ext. arm length 500</th>
<th>Ext. arm length 650</th>
<th>Ext. arm length 800</th>
<th>Ext. arm length 950</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7595-748x-2x-01</td>
<td>7595-748x-3x-01</td>
<td>7595-748x-4x-01</td>
<td>7595-748x-5x-01</td>
</tr>
<tr>
<td>1</td>
<td>1.5 – 3.5 kg</td>
<td>1.5 – 3.0 kg</td>
<td>1.5 – 2.3 kg</td>
<td>1.5 – 2.0 kg</td>
</tr>
<tr>
<td>2</td>
<td>6.0 – 8.5 kg</td>
<td>3.0 – 7.0 kg</td>
<td>1.6 – 5.1 kg</td>
<td>1.5 – 3.8 kg</td>
</tr>
<tr>
<td>3</td>
<td>8.0 – 12.0 kg</td>
<td>6.0 – 10.0 kg</td>
<td>3.5 – 75 kg</td>
<td>4.8 – 6.8 kg</td>
</tr>
<tr>
<td>4</td>
<td>13.0 – 17.0 kg</td>
<td>10.0 – 14.0 kg</td>
<td>6.3 – 10.3 kg</td>
<td>5.6 – 9.6 kg</td>
</tr>
<tr>
<td>5</td>
<td>17.0 – 21.0 kg</td>
<td>13.0 – 17.0 kg</td>
<td>9.1 – 13.1 kg</td>
<td>76 – 11.6 kg</td>
</tr>
<tr>
<td>6</td>
<td>20.0 – 26.0 kg</td>
<td>16.0 – 22.0 kg</td>
<td>10.8 – 16.8 kg</td>
<td>10.0 – 15.0 kg</td>
</tr>
<tr>
<td>7</td>
<td>26.0 – 31.0 kg</td>
<td>–</td>
<td>16.1 – 21.1 kg</td>
<td>12.8 – 17.8 kg</td>
</tr>
</tbody>
</table>
häwa
HLT Lift S

- Continuously adjustable stroke limiter
- Max. cable passage: 40 x 19 mm
- Can be combined with HLT components and HLT profile tubes

Advice from one of our häwa consultants:
On our website you can comfortably collect product-related downloads on a notepad and download them later as a zip-file.

www.haewa.com
Product Description

Continuously adjustable suspension arm with internal cable duct for control enclosures

- Stroke limiter adjustable upwards in three increments: 0°, 20° and 40° and downwards continuously adjustable
- Fine adjustment of the load carrying capacity range by means of an adjusting screw
- Restraint-guided load suspension at the head joint
- Option: Automatic locking of the vertical movement in each position over the entire stroke

Scope of Delivery

- HLT lift S complete with mounting hardware

Technical Data

- Technical drawings are available on www.haewa.com
- Cable passage: max. 40 x 19 mm
- Surface finish:
  - Cover: RAL 7035
  - Bearing: RAL 7016

Note

- Part list, see page 52 / 53
- Mounting options from page 54

<table>
<thead>
<tr>
<th>Stroke upwards/downwards</th>
<th>Extension arm length</th>
<th>Load carrying capacity</th>
<th>Weight</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>mm</td>
<td>kg</td>
<td>kg</td>
<td></td>
</tr>
<tr>
<td>260/250</td>
<td>548</td>
<td>5 – 60</td>
<td>13</td>
<td>7595-760x-xx-01</td>
</tr>
</tbody>
</table>

Ordering Example

This will help you to find the correct order number:

- Choose your design:
  1 = Standard hanging
  2 = Desk mounting
  3 = Standard hanging; stroke limiter
  4 = Desk mounting; stroke limiter
  e.g.: for standard hanging:
  7595-7601-xx-01

- Choose your required load capacity range:
  e.g.: for load capacity range 1 = 5 – 10 kg:
  7595-7601-x1-01

<table>
<thead>
<tr>
<th>Load capacity range</th>
<th>Weight</th>
<th>Max. system length without intermediate joint</th>
<th>Max. system length with intermediate joint</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5 – 10 kg</td>
<td>2000 mm</td>
<td>2000 mm</td>
</tr>
<tr>
<td>2</td>
<td>7 – 13 kg</td>
<td>2000 mm</td>
<td>2000 mm</td>
</tr>
<tr>
<td>3</td>
<td>13 – 21 kg</td>
<td>2000 mm</td>
<td>2000 mm</td>
</tr>
<tr>
<td>4</td>
<td>18 – 28 kg</td>
<td>2000 mm</td>
<td>1800 mm</td>
</tr>
<tr>
<td>5</td>
<td>26 – 37 kg</td>
<td>1700 mm</td>
<td>1500 mm</td>
</tr>
<tr>
<td>6</td>
<td>36 – 52 kg</td>
<td>1300 mm</td>
<td>1100 mm</td>
</tr>
<tr>
<td>7</td>
<td>45 – 60 kg</td>
<td>1150 mm</td>
<td>1000 mm</td>
</tr>
</tbody>
</table>
häwa
HLT Lift L

- Continuously adjustable stroke limiter
- Max. cable passage: 40 x 19 mm
- Can be combined with HLT components and HLT profile tubes

Advice from one of our häwa consultants:
At www.haewa.com you simply find your lift by filling in the order number under search.
Product Description

Continuously adjustable suspension arm with internal cable duct for control enclosures

- Stroke limiter upwards and downwards continuously adjustable
- Fine adjustment of the load carrying capacity range by means of an adjusting screw
- Restraint-guided load suspension at the head joint
- Option: Automatic locking of the vertical movement in each position over the entire stroke

Scope of Delivery

- HLT lift L complete with mounting hardware

Technical Data

- Technical drawings are available on www.haewa.com
- Cable passage: max. 40 x 19 mm
- Surface finish: Cover: RAL 7035; Bearing: RAL 7016

Note

- Part list, see page 52 / 53
- Mounting options from page 54

<table>
<thead>
<tr>
<th>Stroke upwards/downwards mm</th>
<th>Extension arm length mm</th>
<th>Load carrying capacity kg</th>
<th>Weight kg</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>450 / 440</td>
<td>846</td>
<td>5 – 60</td>
<td>15</td>
<td>7595-768x-xx-01</td>
</tr>
</tbody>
</table>

Ordering Example

This will help you to find the correct order number:

- Choose your design:
  1 = Standard hanging
  2 = Desk mounting
  3 = Standard hanging; stroke limiter
  4 = Desk mounting; stroke limiter
  z. B. for standard hanging:
  7595-7681-xx-01

- Choose your required load capacity range:
  e.g.: for load capacity range 1 = 5 – 10 kg:
  7595-7601-xx-01

<table>
<thead>
<tr>
<th>Load capacity range</th>
<th>Weight</th>
<th>Max. system length without intermediate joint</th>
<th>Max. system length with intermediate joint</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5 – 10 kg</td>
<td>2000 mm</td>
<td>2000 mm</td>
</tr>
<tr>
<td>2</td>
<td>7 – 13 kg</td>
<td>2000 mm</td>
<td>2000 mm</td>
</tr>
<tr>
<td>3</td>
<td>13 – 21 kg</td>
<td>2000 mm</td>
<td>2000 mm</td>
</tr>
<tr>
<td>4</td>
<td>18 – 28 kg</td>
<td>1900 mm</td>
<td>1650 mm</td>
</tr>
<tr>
<td>5</td>
<td>26 – 37 kg</td>
<td>1600 mm</td>
<td>1400 mm</td>
</tr>
<tr>
<td>6</td>
<td>36 – 52 kg</td>
<td>1200 mm</td>
<td>1050 mm</td>
</tr>
<tr>
<td>7</td>
<td>45 – 60 kg</td>
<td>1000 mm</td>
<td>950 mm</td>
</tr>
</tbody>
</table>
häwa Pendant Arm Systems

häwa pendant arm systems with profile tubes which can be cut to any length and with continuous load-dependent inclination adjustment, a vast variety of components with swivel ranges up to 340° and high load capacity ranges offer an unlimited array of standard and customized possibilities to meet your specific requirements.

1 Robust:
- High load carrying capacity with or without intermediate joints

2 Flexible:
- The vast variety of components guarantees optimum configuration possibilities

3 Functional:
- Profile tubes which can be cut to any required length with load-dependent inclination adjustment up to 4° by means of an adjusting screw

4 Easy Assembly:
- Components with removable lids for easy cable routing and tube mounting ensure an easy assembly of the häwa pendant arm system

Examples:

- Häwa Customer Standard
  Different load carrying capacities, colors or customized design? Not a problem, we do it every day, just contact us!

  info@haewa.com
The load carrying capacity of the system is dependent on the horizontal length of the profile tube. All vertical outlets (see mounting options) as well as the weight of the installed cables over the entire pendant arm system (horizontal, vertical) must be considered in the load carrying capacity.

**Load capacity**

The horizontal length of the aluminum profile determines the system's load capacity. All vertical outlets (see Mounting options) must be taken into account for the load capacity. The mass of the cables installed over the entire pendant arm system (horizontal, vertical) must be taken into account for the load capacity.

**Attention:**

Using the rotating elbow ④, the vertical wall joint, or the vertical set-up joint will reduce the maximum load capacity by 50%.

Maximum height and length of the adjacent aluminum profile: 1000 mm

Illustration: Permissible static loads (N) depending on the design of the pendant arm system.

Continuously adjustable inclination, load-dependent, up to 4°.

**Espécifications**

- System length (max.): 2000 mm
- Max. load capacity (see page 10): 80 kg / 176 lbs.
- Cable feed-through: 55 x 43 mm
- Protection degree*: IP54
- Torque: see section “Assembly"

(*designed so as to comply with DIN EN 60529)

Overall length \(L_1 + L_2 = \text{max. 2.000 mm}\)

\(L_1 = \text{max. 1.500 mm} \quad L_2 = \text{max. 1.500 mm}\)

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**Mounting options, from page 54**

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**www.haewa.com**

www.haewa.com
Product Description
Foot joint/wall flange for connecting of a HLT profile tube to vertical or horizontal surfaces.

- Ceiling mounting is possible
- Connection to a HLT profile tube is strain-relieved and torsion-resistant

Scope of Delivery
- Foot joint/wall flange complete with seals, mounting hardware and accessories for inclination adjustment

Note
- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data
- Technical drawings are available on www.haewa.com
- Position: for connection to machines or walls
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Material: die-cast aluminum
- Surface finish: RAL 7016
- Weight: 0.6 kg

Order No.

7595-7401-06-01
**Product Description**

Base flange for connecting of a HLT round tube 48 with horizontal surfaces

- Vertical alignment is possible by using an adjusting screw

**Scope of Delivery**

- Base flange complete

**Note**

- Part list, see page 52 / 53
- Mounting options from page 54

**Technical Data**

- Technical drawings are available on www.haewa.com
- Position: for connection to machines or walls
- Protection class: according to IP54
- Cable passage: Ø 48 mm
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 0.8 kg

**Order No.**

7595-7401-26-01
Product Description

Resistant pillar for rigid mounting of pendant arm systems on floor and ceiling

- With lateral cable outlet
- Length up to 2,200 mm; in 50 mm increments, each length available upon request

Scope of Delivery

- Pillar complete

Note

- Part list, see page 52 / 53
- Mounting options from page 54
- Attention: Please contact your häwa consultant for technical advice.

Technical Data

- Technical drawings are available on www.haewa.com
- Position: for connection to machines or walls
- Protection class: according to IP54
- Cable passage: at top and bottom Ø 60 mm, lateral Ø 50 mm
- Material: Sheet steel
- Surface finish: RAL 7035

Order No.

7595-7450-12-xxxx
häwa
HLT Wall Joint

- Variable swivel range up to 300°
- Cable passage: 55 x 43 mm

Product Description

Wall joint for horizontal swiveling of the pendant arm

- Overhead mounting is possible
- Detachable lid for easy cable routing and mounting of a HLT profile tube
- Connection to a HLT profile tube is strain-relieved and torsion-resistant

Scope of Delivery

- Wall joint complete with seals, mounting hardware and accessories for inclination adjustment

Note

- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Position: for connection to machines or walls
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Swivel range: max. 300°
- Swivel range limiter: in 30° increments. Factory-set 90° / 90°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 4.1 kg

Accessoires »page 43

- HLT Light adapter

Order No.

7595-7401-02-01
Product Description

Wall joint for vertical swiveling of the pendant arm

- Overhead mounting is possible
- Detachable lid for easy cable routing and mounting of a HLT profile tube

Scope of Delivery

- Vertical wall joint complete with seals and mounting hardware

Note

- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Position: for connection to machines or walls
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Swivel range: max. 300°
- Swivel range limiter: in 30° increments. Factory-set 150°/150°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 2.9 kg

Accessoires » page 43

- HLT Light adapter

Order No.

7595-7401-02-02
**Product Description**

Set-up joint for horizontal swiveling of the pendant arm

- Ceiling mounting is possible
- Detachable lid for easy cable routing and mounting of a HLT profile tube
- Connection to a HLT profile tube is strain-relieved and torsion-resistant

**Scope of Delivery**

- Set-up joint complete with seals, mounting hardware and accessories for inclination adjustment

**Note**

- Part list, see page 54/55
- Mounting options from page 54

**Technical Data**

- Technical drawings are available on www.haewa.com
- Position: for connection to machines or walls
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Swivel range: max. 300°
- Swivel range limiter: in 30° increments. Factory-set 150°/150°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 3.2 kg

**Accessoires** page 43

- HLT light adapter

**Order No.**

7595-7401-01-01
Product Description

Set-up joint for vertical swiveling of the pendant arm

- Ceiling mounting is possible

Scope of Delivery

- Vertical set-up joint complete with seals and mounting hardware

Note

- Part list, see page 52/53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Position: for connection to machines or walls
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Swivel range: max. 300°
- Swivel range limiter: in 30° increments. Factory-set 150°/150°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 2.2 kg

Order No.

7595-7401-01-02
HLT Set-Up Swivel Joint

- Variable swivel range up to 300°
- Cable passage: 55 x 43 mm

Product Description

Set-up swivel joint for horizontal swiveling of the pendant arm

- Detachable lid for easy cable routing and mounting of a HLT profile tube

Scope of Delivery

- Set-up swivel joint complete with seals, mounting hardware and accessories for inclination adjustment

Note

- Part list, see page 52/53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Position: for connection to machines or walls
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Swivel range: max. 300°
- Swivel range limiter: in 30° increments. Factory-set 150°/150°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 5.3 kg

Order No.

7595-7401-60-01
Product Description

Rotating elbow for connecting a horizontal and a vertical HLT profile tube

- Detachable lid for easy cable routing and mounting of a HLT profile tube
- Connection to a HLT profile tube is strain-relieved and torsion-resistant

Scope of Delivery

- Rotating elbow complete with seals, mounting hardware and accessories for inclination adjustment

Note

- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Position: between 2 tubes
- Protection class: according to IP54
- Cable passage: 38 x 55 mm
- Swivel range: max. 300°
- Swivel range limiter: in 30° increments
  Factory-set: 150°/150°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 2.8 kg

Accessories » page 43

- HLT light adapter

Order No.

7595-7401-25-01
hlwa

HLT Intermediate Joint

- Variable swivel range up to 300°
- Cable passage: 55 x 43 mm

Product Description

Intermediate joint for connecting two HLT profile tubes and for horizontal swiveling of the pendant arm

- Detachable lid for easy cable routing and mounting of a HLT profile tube
- Connection to a HLT profile tube is strain-relieved and torsion-resistant

Scope of Delivery

- Intermediate joint complete with seals, mounting hardware and accessories for inclination adjustment

Note

- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Position: between 2 tubes
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Swivel range: max. 300°
- Swivel range limiter: in 30° increments
  Factory-set: 150°/150°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 4.9 kg

Accessories  page 43

- HLT light adapter

Order No.

7595-7401-03-01

www.haewa.com
Product Description

Elbow for connecting a horizontal and a vertical HLT profile tube

- 90° angle (rigid)
- Overhead mounting is possible
- Detachable lid for easy cable routing and mounting of a HLT profile tube

Scope of Delivery

- Elbow complete with seals and mounting hardware

Note

- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Position: between 2 tubes
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 1.4 kg

Accessories » page 43

- HLT light adapter

Order No.

7595-7401-04-01
Product Description

For connecting a horizontal HLT profile tube with a vertical HLT round tube 48

- 90° angle (rigid)
- Overhead mounting is possible
- Detachable lid for easy cable routing and mounting of a HLT profile tube
- Drop protection by means of a screw M5

Scope of Delivery

- Elbow adapter 48 complete with seals and mounting hardware

Note

- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Position: between 2 tubes
- Protection class: according to IP54
- Cable passage: Ø 48 mm
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 0.8 kg

Accessories page 44

- HLT Light adapter 48

Order No.

7595-7401-16-01
Product Description

Elbow joint for connecting a horizontal HLT profile tube to an enclosure

- Overhead mounting is possible
- Detachable lid for easy cable routing and mounting of a HLT profile tube
- Connection to a HLT profile tube is strain-relieved and torsion-resistant

Scope of Delivery

- Elbow joint complete with seals and mounting hardware

Note

- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Position: for connection to enclosures
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Swivel range: max. 340°
- Swivel range limiter: adjustable to 90° / 90°. Factory-set: 170° / 170°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 2.4 kg

Accessories

- HLT light adapter
- HLT adjustable inclination adapter
- HLT adjustable narrow flange inclination adapter
- HLT inclination adapter 10°
- HLT narrow flange inclination adapter 10°
- HLT cable protection plate

Order No.

7595-7401-08-01
häwa

HLT Narrow Flange Elbow Joint

- Variable swivel range up to 340°
- Cable passage: 55 x 43 mm

Product Description

Narrow flange elbow joint for connecting a horizontal HLT profile tube to an enclosure with low depth

- Overhead mounting is possible
- Detachable lid for easy cable routing and mounting of a HLT profile tube
- Connection to a HLT profile tube is strain-relieved and torsion-resistant

Scope of Delivery

- Narrow flange elbow joint complete with seals and mounting hardware

Note

- Part list, see page 52/53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Position: for connection to enclosures
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Swivel range: max. 340°
- Swivel range limiter: adjustable to 90° / 90°. Factory-set 170° / 170°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 2.8 kg

Accessories from page 42

- HLT light adapter
- HLT enclosure adapter VESA

Order No.

7595-7401-09-01
Product Description
Joint for connecting a vertical HLT profile tube to an enclosure

Scope of Delivery
Joint complete with seals and mounting hardware

Note
Part list, see page 52 / 53
Mounting options from page 54

Technical Data
- Technical drawings are available on www.haewa.com
- Position: for connection to enclosures
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Swivel range: max. 340°
- Swivel range limiter: adjustable to 90° / 90°. Factory-set: 170° / 170°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 1.5 kg

Accessories > from page 38
- HLT adjustable inclination adapter
- HLT adjustable narrow flange inclination adapter
- HLT inclination adapter 10°
- HLT narrow flange inclination adapter 10°
- HLT cable protection plate

Order No.
7595-7401-05-01
Product Description
Narrow flange joint for connecting a vertical HLT profile tube to an enclosure with low depth
- Overhead mounting is possible

Scope of Delivery
- Narrow flange joint complete with seals and mounting hardware

Note
- Part list, see page 52/53
- Mounting options from page 54

Technical Data
- Technical drawings are available on www.haewa.com
- Position: for connection to enclosures
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Swivel range: max. 340°
- Swivel range limiter: adjustable to 90°/90°. Factory-set: to 170°/170°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 1.9 kg

Accessories  page 42
- HLT enclosure adapter VESA

Order No.
7595-7401-07-01
Pendant Arm Systems, Lift Systems and Control Enclosures

häwa

HLT Narrow Flange Compact Joint

- Low height: 47 mm
- Variable swivel range up to 330°
- Cable passage: 55 x 43 mm

Product Description

Narrow flange compact joint for connecting a vertical HLT profile tube to an enclosure with low depth

- Overhead mounting is possible
- Can be used where space is at a premium

Scope of Delivery

- Narrow flange compact joint complete with mounting hardware

Note

- Part list, see page 52/53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Position: for connection to enclosures
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Swivel range: max. 330°
- Swivel range limiter: in 45° increments
  Factory-set 165° / 120°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 1.1 kg

Order No.

7595-7401-14-01
Product Description
For connecting a vertical HLT round tube 48 to an enclosure

- Overhead mounting is possible

Scope of Delivery
- Joint 48 complete with seals and mounting hardware

Note
- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data
- Technical drawings are available on www.haewa.com
- Position: for connection to enclosures
- Protection class: according to IP54
- Cable passage: Ø 48 mm
- Swivel range: 250°
- Swivel range limiter: none
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 0.7 kg

Order No.

7595-7401-17-01
Product Description

Component for connecting monitors to HLT round tubes 48

- Connection to VESA 100
- Detachable lid for easy cable routing

Scope of Delivery

- Swivel-tilt joint complete with seal and mounting hardware

Note

- Part list, see page 52/53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Position: for connection to enclosures
- Cable passage: 40 x 31 mm
- Swivel range: 330°
- Swivel range limiter: none
- Vertical swivel range: 25°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 1.4 kg
Product Description
Rotofix for direct attachment assembly

Scope of Delivery
- Rotofix complete with seals and mounting hardware

Technical Data
- Technical drawings are available on www.haewa.com
- Position: direct attachment assembly
- Protection class: according to IP54
- Cable passage: Ø 60 mm
- Swivel range: max. 330°
- Swivel range limiter: adjustable to 90°/90°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 2 kg

Accessories page 38
- HLT inclination adapter 10°

Order No.
7595-7401-21-01
Product Description

HLT profile tube for horizontal and vertical assembly

- Load-dependent inclination adjustment up to 4° by means of adjustment screws

Scope of Delivery

- HLT profile tube without mounting hardware

Note

- Part list, see page 52/53
- Mounting options from page 54
- For a pendant arm system with an intermediate joint, the length of the individual profiles are variable up to max. 1500 mm.
- The total length of all horizontal profiles must not exceed 2000 mm.

Technical Data

- Technical drawings are available on www.haewa.com
- Protection class: according to IP54
- Cable passage: 55 x 43 mm
- Material: extruded aluminum profiles
- Surface finish: RAL 7035

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<th>Length (mm)</th>
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Product Description

HLT round tubes 48 for vertical assembly

Scope of Delivery

- HLT round tube without mounting hardware

Note

- Part list, see page 52/53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Protection class: according to IP54
- Cable passage: Ø 40 mm
- Material: extruded aluminum profiles
- Surface finish: RAL 7035

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<td>1500</td>
<td>6.6</td>
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</tbody>
</table>
Product Description

Inclination adapter 10° for fixed connection of enclosures, joints or elbow joints

- 10° inclination

Scope of Delivery

- Inclination adapter 10° complete with seals and mounting hardware

Note

- Part list, see page 52/53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Protection class: according to IP54
- Cable passage: Ø 60 mm
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 0.3 kg

Order No.

7595-7401-10-01
Product Description
Narrow flange inclination adapter 10° for fixed connection of enclosures with low depth, joints or elbow joints

- 10° inclination

Scope of Delivery
- Narrow flange inclination adapter 10° complete with seals and mounting hardware

Note
- Part list, see page 52/53
- Mounting options from page 54

Technical Data
- Technical drawings are available on www.haewa.com
- Protection class: according to IP54
- Cable passage: 57 x 60 mm
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 0.5 kg

Accessories ➔ page 42
- HLT enclosure adapter VESA

Order No.
7595-7401-11-01
Product Description
Inclination adapter for connecting enclosures and joints
- Inclination adjustment in 8° increments

Scope of Delivery
- Inclination adapter with mounting hardware

Note
- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data
- Technical drawings are available on www.haewa.com
- Protection class: according to IP54
- Cable passage: Ø 65 mm
- Vertical tilt range: 30°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 3.3 kg

Order No.
7595-7401-19-01
Product Description
Inclination adapter for connecting enclosures and joints

- Inclination adjustment in 8° increments

Scope of Delivery
- Inclination adapter complete

Note
- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data
- Technical drawings are available on www.haewa.com
- Protection class: according to IP54
- Cable passage: 32 x 60 mm
- Vertical swivel range: 32°
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 1 kg

Order No.

7595-7401-18-01
Product Description

- Connection according to VESA 75
- Detachable lid for easy cable routing

Scope of Delivery

- Enclosure adapter VESA complete with seals and mounting hardware

Note

- Part list, see page 52/53
- Mounting options from page 54

Technical Data

- Technical drawings are available on www.haewa.com
- Protection class: according to IP54
- Cable passage: 50 x 75 mm / 75 x 75 mm
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 1.2 kg

Accessories ➔ page 45

- VESA 100 adapter plate

Order No.

7595-7401-12-01
Product Description
Light adapter for rigid fixing of signal lights
- Connecting tube: Ø 25 mm

Scope of Delivery
- Light adapter with seals and mounting hardware

Note
- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data
- Technical drawings are available on www.haewa.com
- Protection class: according to IP54
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 0.6 kg

Order No.
7595-7401-15-01
Product Description
Light adapter for rigid fixing of signal lights
- Connecting tube: Ø 25 mm

Scope of Delivery
- Light adapter 48 with mounting hardware

Note
- Part list, see page 52 / 53
- Mounting options from page 54

Technical Data
- Technical drawings are available on www.haewa.com
- Protection class: according to IP54
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 0.25 kg

Order No.
7595-7401-90-05
**häwa HLT Cable Protection Plate**

**Product Description**
Protects cabling from damage at enclosure cut-outs

**Scope of Delivery**
- Cable protection plate with mounting hardware

**Technical Data**
- Technical drawings are available on www.haewa.com
- Protection class: according to IP54
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 0.1 kg

**Order No.**
- 7595-7401-90-01

**häwa HLT VESA 100 Adapter Plate**

**Product Description**
For fixed connection of monitors with VESA 100 hole pattern

**Scope of Delivery**
- VESA 100 adapter plate with seals and mounting hardware

**Note**
- Part list, see page 52 / 53
- Mounting options from page 54

**Technical Data**
- Technical drawings are available on www.haewa.com
- Protection class: according to IP54
- Material: die-cast aluminium
- Surface finish: RAL 7016
- Weight: 0.1 kg

**Order No.**
- 7595-7401-90-02
häwa Control Enclosures

häwa control enclosures are available in aluminum or any other material, with rear or front door, with or without handles, with cooling fins or closed, in customized dimensions according to your specific requirements.

1 Flexible:
- Variable enclosure width and height dimensions

3 Spacious:
- Installation depths from 130 mm to 420 mm

2 Funktional:
- Perfect combination possibilities with häwa pendant arm systems and häwa lift systems

4 Well conceived:
- HLG Cool enclosure with continuously finned aluminum side profiles providing an extremely high passive heat dissipation
**HLG Basic**
Extruded aluminum profiles
Profile depths 60, 90, 130 and 210 mm

**HLG Touch**
Easy handling through lateral handle flanges
Profile depths 60, 90, 130 and 210 mm

**HLG Cool**
Easy handling through lateral handle flanges
External and internal cooling fins
Profile depths 130 and 210 mm
Product Description
Control enclosure made of extruded aluminum profiles

■ Profile depths 60, 90, 130 or 210 mm
■ Width and height are variable up to max. 600 x 700 mm
■ It is possible to mount a door with the same profile
■ Mounting of a pendant arm or lift system is possible at the rear panel. 90 mm and deeper enclosures can also be connected from the top or bottom

Scope of Delivery
■ 1 enclosure to your specifications

Note
■ See the explanation on page 51 for the configuration of your order number

Technical Data
■ Version: extruded aluminum profiles
■ Width: variable up to max. 600 mm
■ Height: variable up to max. 700 mm
■ Material:
  Profile: extruded aluminum profile,
  Front panel and rear wall: 3 mm aluminium
■ Surface finish:
  Profiles, front and rear panel: light anodized,
  Corner profiles: RAL 7016
■ Protection class: according to IP54

Order No.
7505-xxxx-xx-1x
HLG Control Enclosures

Product Description
Control enclosure made of extruded aluminum profiles with lateral integrated handle flange
- Profile depths 60, 90, 130 or 210 mm
- Variable width and height up to max. 600 x 700 mm
- It is possible to mount a door with the basic profile
- Mounting of a pendant arm or lift system is possible at the rear panel. 90 mm and deeper enclosures can also be connected from the top or bottom

Scope of Delivery
- 1 enclosure to your specifications

Note
- See the explanation on page 51 for the configuration of your order number

Technical Data
- Version: with integrated handle flange
- Width: variable up to max. 600 mm
- Height: variable up to max. 700 mm
- Material:
  - Profile: extruded aluminum profile,
  - Front panel and rear wall: 3 mm aluminium
- Surface finish:
  - Profiles, front and rear panel: light anodized
  - Corner profiles: RAL 7016
- Protection class: according to IP54

Order No.

7505-xxxx-xx-2x
Product Description

Control enclosure made of extruded aluminum profiles with lateral integrated handle flange

- The continuously finned aluminum side profile enables extremely high passive heat dissipation
- Profile depths 130 or 210 mm
- Variable width and height up to max. 600 x 700 mm
- It is possible to mount a door with the basic profile
- Mounting of a pendant arm or lift system is possible at the rear panel, 90 mm and deeper enclosures can also be connected from the top or bottom

Scope of Delivery

- 1 enclosure to your specifications

Note

- See the explanation on page 51 for the configuration of your order number

Technical Data

- With integrated handle flange
- Width: variable up to max. 600 mm
- Height: variable up to max. 700 mm
- Material:
  - Profile: extruded aluminum profiles
  - Front and rear panel: 3 mm aluminum
- Surface finish:
  - Profiles, front and rear panel: light anodized
  - Corner profiles: RAL 7016
- Protection class: according to IP54

Order No.

7505-xxxx-xx-3x
This will help you to find the correct order number for your enclosure:

- HLG Basic (1), Touch (2) or Cool (3)
  Example: for HLG Basic: 7505-xxxx-xx-1x
- Depth 60 mm (06), 90 mm (09), 130 mm (13) or 210 mm (21), Example for depth 90: 7505-xxxx-09-1x
- Example for width 500: 7505-50xx-09-1x
- Example for height 600: 7505-5060-09-1x
- Choose a design
  Example with rear hinged panel (2): 7505-5060-09-12

HLG Designs

The wide range of designs and profile depths enables a variety of different versions. The profile doors can be mounted either from the front or rear side.
### häwa Part list

<table>
<thead>
<tr>
<th>Identification number</th>
<th>Description</th>
<th>Order No.</th>
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<tr>
<td>1</td>
<td>HLT Foot joint/wall flange</td>
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<td>2</td>
<td>HLT Wall joint</td>
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<td>3</td>
<td>HLT Set-up joint</td>
<td>7595-7401-01-01</td>
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<td>4</td>
<td>HLT Rotating elbow</td>
<td>7595-7401-25-01</td>
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<td>5</td>
<td>HLT Intermediate joint</td>
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<td>HLT Elbow</td>
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<td>7</td>
<td>HLT Elbow adapter 48</td>
<td>7595-7401-16-01</td>
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<td>8</td>
<td>HLT Elbow joint</td>
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<td>HLT Narrow flange elbow joint</td>
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<td>HLT Joint 48</td>
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<td>HLT Enclosure adapter VESA</td>
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<td>HLT Profile tubes</td>
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<td>HLT VESA 100 adapter plate</td>
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<td>HLT Set-up swivel joint</td>
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# Part List

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Mounting Options HLT Lift Systems

Attention: When determining the load carrying capacity, all items under the line must be included.

Legend:
- Mounting options HLT lift system
- www.haewa.com
Mounting Options

Mounting Options HLT Pendant Arm System Top Mounting

Attention: When determining the load carrying capacity, all items under the line must be included.

Attention: If selecting bracket do not use the intermediate joint.

Mounting Options

Horizontal top mounting

Option H1

Option H2

Option H3

Vertical top mounting

Option V1

Option V2

Option V3

www.haewa.com
Mounting Options HLT Pendant Arm System Floor Mounting

Attention: When determining the load carrying capacity, all items under the line must be included.

Attention: If selecting bracket do not use the intermediate joint.

Attention: When selecting this option, please contact your Häwa consultant.

Options H1
- Horizontal floor mounting

Options V1 - V4
- Vertical floor mounting
- Mounting Options HLT Pendant Arm System Floor Mounting

www.haewa.com
Mounting Options HLT Pendant Arm System ceiling mounting

Attention: When determining the load carrying capacity, all items under the line must be included.

Attention: If selecting bracket do not use the intermediate joint.

Mounting Options

Horizontal ceiling mounting

Option H1

Option H2

Vertical ceiling mounting

Option V1

Option V2

Option V3

www.haewa.com
Attention: When determining the load carrying capacity, all items under the line must be included.

Attention: If selecting bracket, do not use the intermediate joint.
In every area as individual as your requirements: the häwa range of products

häwa – definitely the best solution

We are your reliable partner for well-conceived cabinet and enclosure systems, smart IT-solutions, effective thermal components, modular machine racks, functional cable ducts and practical tools. In particular when individual and flexible solutions are needed.

From the conceptual and structural design to manufacture and logistics including a fast delivery and maintenance service, we at häwa are your one-stop shop – your personal häwa consultant will always be there to assist you.

More than 400 committed staff members are available to find the best solution for your challenges and your budget. The result: high-quality products which will meet or even exceed your expectations – today and tomorrow.
Customer-oriented
We listen to you, we make your issues part of our planning, we consult and support you: as your partner, we work closely together with you – this is how we find solutions tailored to your needs.

Personally
We at häwa, rely on personal contact – your personal häwa consultant is always there for you, brings your ideas to life and is dedicated to accompanying you on your way to your optimal solution.

Reliable
Go for a trustworthy partner, on which you can rely in any situation – especially when the safety of components is at stake, i.e. when functional reliability is key. Our motto at häwa is: We keep our promises. This is what it’s all about.

Thinking ahead
We come up with surprising ideas tailored to your individual requirements and smart solutions that always meet or even exceed your expectations – today and tomorrow. There is only one goal to pursue for us: Finding the best possible solution for your challenges.

High-quality
We at häwa, have very high standards to provide excellent quality as proven by the DIN EN ISO 9001 2008 certification. The same applies to our consultancy and the service we provide. We do not rely on what we have already achieved – we are always striving for more for your benefit.

Our way to develop unique solutions for you: