

Flexible with energy!

Platform cable festoon systems

The AKAPP platform cable festoon systems provide a safe, effective and economical means of supplying power to cranes, hoists and moving machinery travelling along fixed tracks. 'Kit-form' principle gives complete versatility and simplifies site installation.

Features

- Safe and reliable
- Simple to install or modify
- Enclosed self cleaning track
- Minimum maintenance



Components

An AKAPP festoon installation contains the following components:

- A. Track (C-profile)
- B. support bracket
- C. splice joint
- D. end stop
- E. end clamp
- F. trolley
- G. towing trolley, or
- H. mobile pendant
(not on illustration)

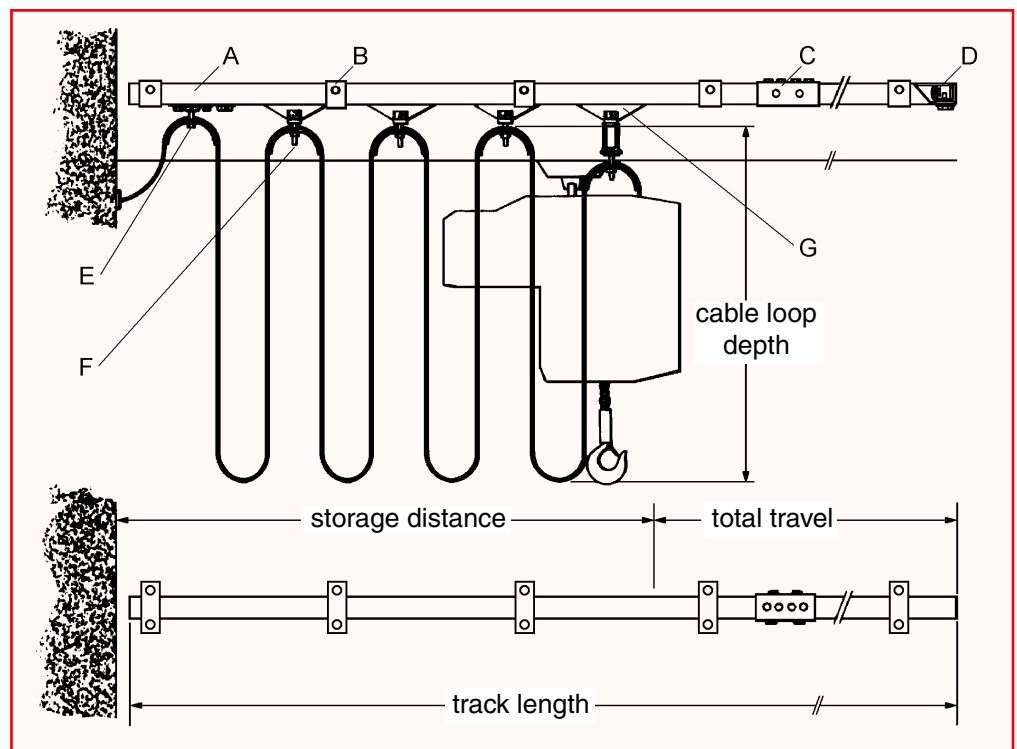
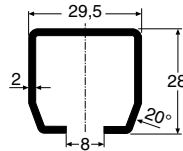


Diagram of an AKAPP festoon installation.

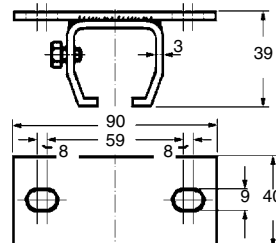
Profile R150

- Standard length : 4 m (subdivisions possible)
- Material : zinc plated steel
- Weight : 1,4 kg/m
- Load capacity : 80 kg/m (support distance ≤ 1 m)
- Special executions : blank, zinc passivated or stainless steel



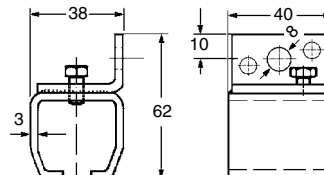
Ceiling support bracket PM150

- Material : zinc plated with passivation
- Weight : 0,2 kg
- Mounting : with 2 screws M8
- Special execution : stainless steel



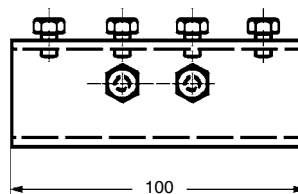
Wall support bracket WM150

- Material : zinc plated with passivation
- Gewicht : 0,15 kg
- Mounting : with 1 screw M8
- Special execution : stainless steel



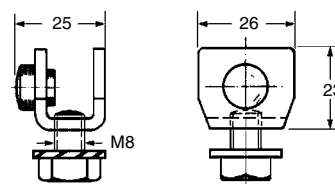
Splice joint RV150

- Material : zinc plated with passivation
- Weight : 0,3 kg
- Special execution : stainless steel



End stop RS150

- Material : zinc plated with passivation and rubber buffer
- Weight : 0,05 kg
- Special execution : stainless steel



Dimensions in mm

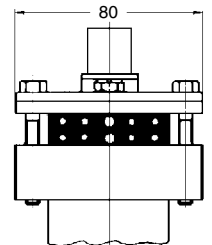
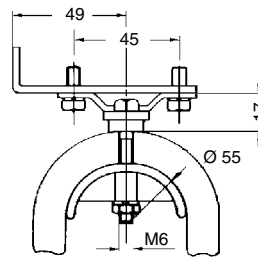
All characters and performances are under proviso

AKAPP aluminium cable trolleys for track profile R150 are especially suitable for light duty operation, for both in- and outdoor conditions. The steel wheels are ball beared. The trolleys therefore will roll perfectly smooth through the track profile. The trolleys are equipped with a rubber strip to press against the cable(s).



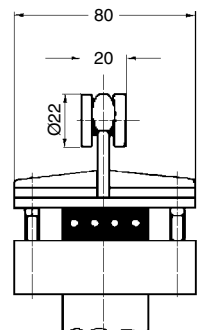
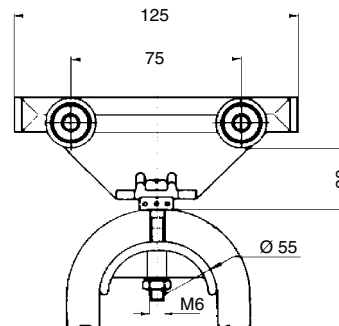
End clamp AVK150

Material : galvanised steel mounting plate and cable carrier
 Weight : 0,231 kg/m
 Cable dimensions : 58x20 mm max.
 Max. cable weight : 20 kg
 Temperatures : min. - 5 °C, max. 105 °C



Flat cable trolley KVK150

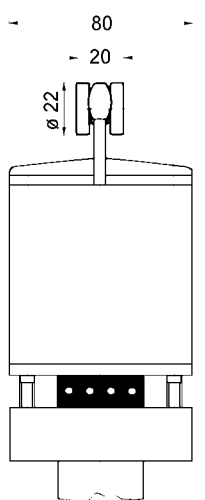
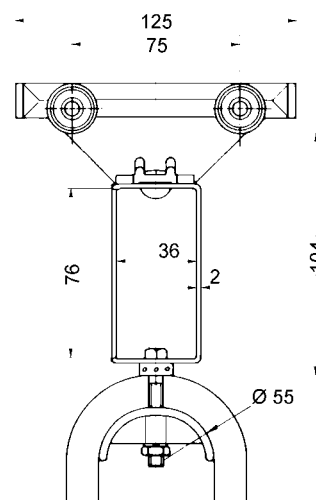
Material : aluminium frame and galvanised steel cable carrier
 Wheels : steel, ball beared
 Weight : 0,229 kg
 Cable dimensions : 58x20 mm max.
 Max. cable weight : 20 kg
 Travelling speed : 60 m/min max.
 Temperatures : min. - 5 °C, max. 105 °C



Flat cable towing trolley MVK150

Material : aluminium frame and galvanised steel cable carrier
 Wheels : steel, ball beared
 Weight : 0,527 kg
 Cable dimensions : 58x20 mm max.
 Cable weight : 20 kg max.
 Travelling speed : 60 m/min max.
 Temperatures : min. - 5 °C, max. 105 °C

(see photo on top)



Dimensions in mm

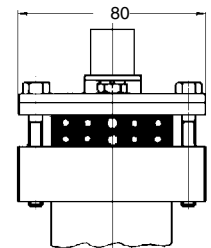
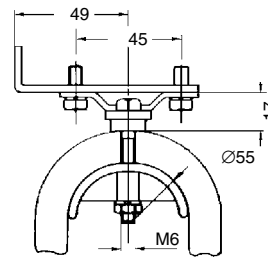
All characters and performances are under proviso

AKAPP steel cable trolleys for track profile R150 are especially suitable for light duty operation, for both in- and outdoor conditions. The steel wheels are ball beared. The trolleys therefore will roll perfectly smooth through the track profile. The trolleys are equipped with a rubber strip to press against the cable(s).



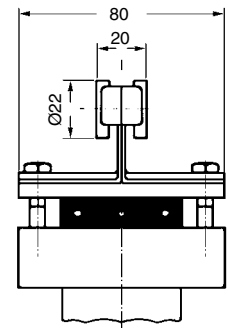
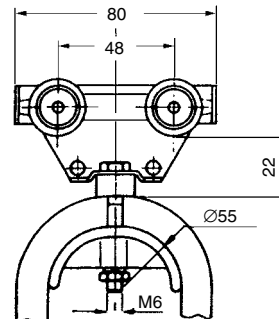
End clamp AVK150

- Material : galvanised steel mounting plate and cable carrier
- Weight : 0,257 kg
- Cable dimensions : 58 x 20 mm
- Max. cable weight : 20 kg
- Temperatures : min. -5 °C, max. +105 °C



Flat cable trolley KVS150G

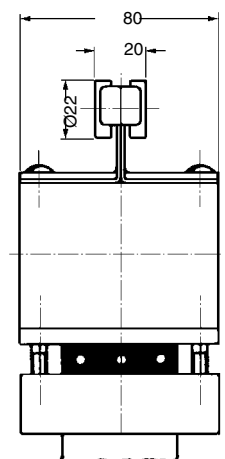
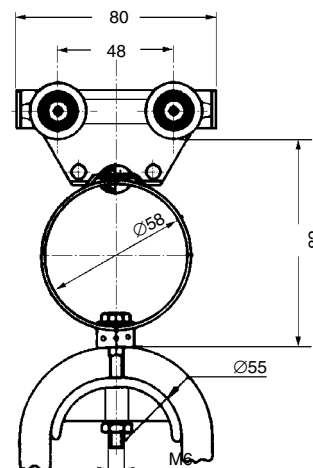
- Material : galvanised steel mounting plate and cable carrier
- Wheels : steel, ball beared
- Weight : 0,265 kg
- Cable dimensions : 58 x 20 mm max.
- Max. cable weight : 20 kg
- Travelling speed : 60 m/min max.
- Temperatures : min. -5 °C, max. +105 °C



Flat cable towing trolley MVS150G

- Material : galvanised steel mounting plate and cable carrier
- Wheels : steel, ball beared
- Weight : 0,435 kg
- Cable dimensions : 58 x 20 mm max.
- Max. cable weight : 20 kg
- Travelling speed : 60 m/min. max.
- Temperatures : min. -5 °C, max. +105 °C

(see photo on top)



AKAPP mobile pendants have been developed specifically for cranes requiring remote pendant control, therefore allowing the crane operator to work from a safe position. Available are:

- Mobile pendants, standard fitted with terminal box (plastic or steel).
The pendant cable and flat cable(s) can easily be inserted into the entry glands. Connection by means of individual terminals.
- Mobile pendants, standard fitted with plug/socket unit.
This simplified and compact pendant unit has been developed for applications up to 24 terminals. See reverse for details.

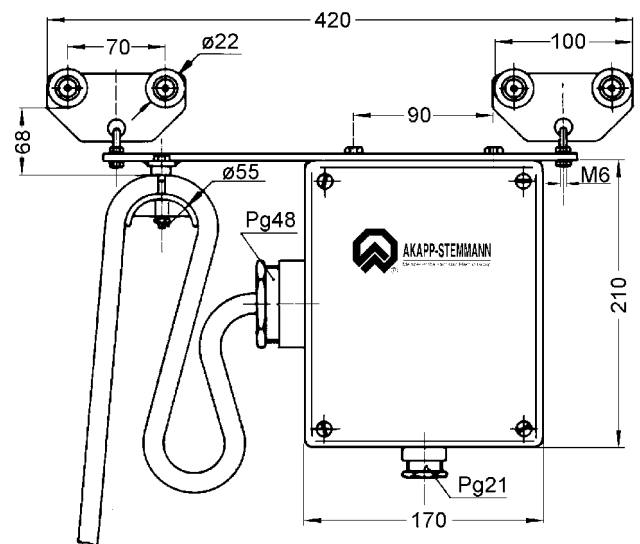


Mobile pendant with terminal box, SBWK150G

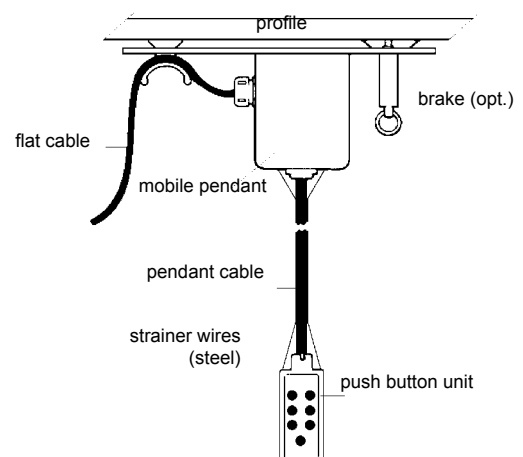
The box is provided with a cable gland PG48 for the flat cable(s) to enter. A cable gland PG21 at the bottom allows entry for the pendant cable (see mounting diagram below). This is usually a round cable with 2-sided integrated steel wires. A strainer wire termination is included.

The terminal box is connected to the two suspension trolleys by means of swivels. This allows the terminal box to swing without affecting the movement of the trolleys.

This mobile pendant can optionally be fitted with a brake unit, activated by means of a towing chain.



Mounting diagram



AKAPP Mobile pendants with terminal box are also available for profile R300.

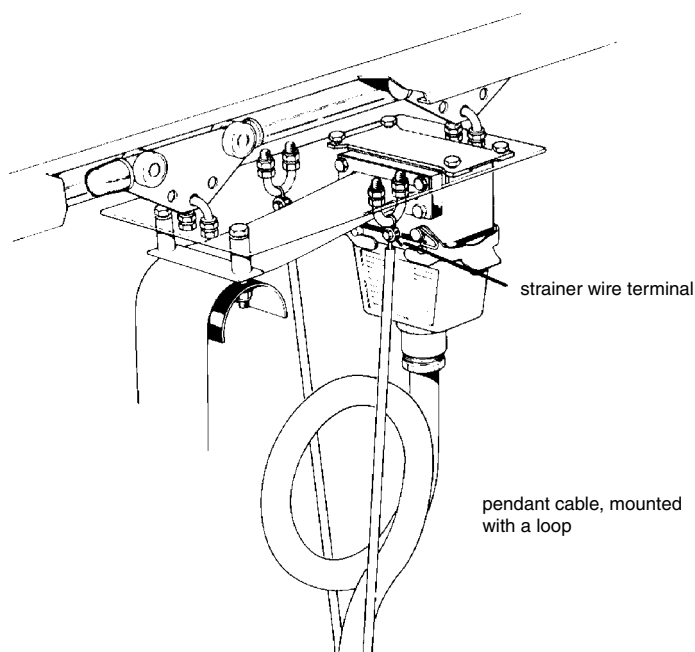
Dimensions in mm
All characters and performances are under proviso

Mobile pendants with plug/socket, SBWS150M

The zinc plated steel chassis is provided with a socket (either 16 or 24 terminals) and a cable gland for flatform cable. This cable can easily be connected to the terminals.

The pendant cable is to be connected to the 16- or 24-pole plug. A terminal for the strainer wires is provided.

Making the connection between the pre-wired plug and socket is fast and easily done. After that, the combination can be double locked to prevent unexpected loosening.



Dimensions in mm

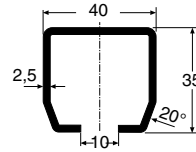
All characters and performances are under proviso

Advantages of AKAPP mobile pendant plug/socket units:

- easy installation
- work more safely because of a better view
- optimal control convenience of your push button unit
- fast and easy exchange of the push button unit
- very solid construction
- with either 16- or 24-pole unit
- available from stocks

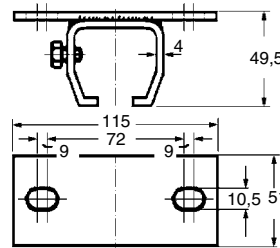
Profile R300

Standard length : 4 m (subdivisions possible)
Material : zinc plated steel
Weight : 2,7 kg/m
Load capacity : 100 kg/m (support distance \leq 1 m)



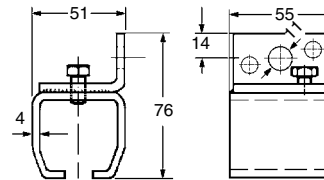
Ceiling support bracket PM300

Material : zinc plated with passivation
Weight : 0,4 kg
Mounting : with 2 screws M10



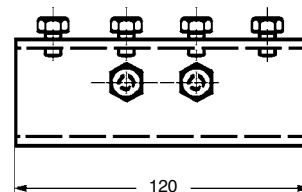
Wall support bracket WM300

Material : zinc plated with passivation
Gewicht : 0,35 kg
Mounting : with 1 screw M10



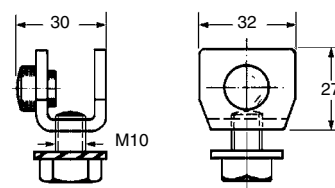
Splice joint RV300

Material : zinc plated with passivation
Weight : 0,6 kg



End stop RS300

Material : zinc plated with passivation and rubber buffer
Weight : 0,09 kg



Dimensions in mm

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AKAPP aluminium cable trolleys for track profile R300 are especially suited to average sized installations, for both in- and outdoor conditions. The steel wheels are ball beared. The trolleys therefore will roll perfectly smooth through the track profile. The trolleys are equipped with a rubber strip to press against the cable(s). The cable carriers are equipped with a large radius to prevent the cables from bending too strongly. The cable carrier provides generous space for large cable packets.



End clamp AVK300

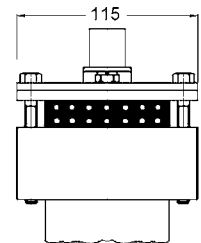
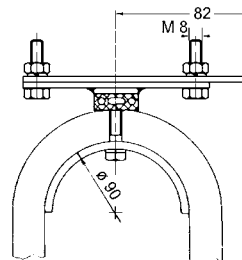
Material : mounting plate in galvanised steel
cable carrier in aluminium

Weight : 0,76 kg

Cable dimensions : 89x30 mm max.

Max. cable weight : 40 kg

Temperatures : min. - 5 °C, max. 105 °C



Flat cable trolley KVK300

Material : aluminium frame and cable carrier
wheels steel, ball beared

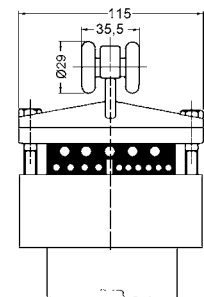
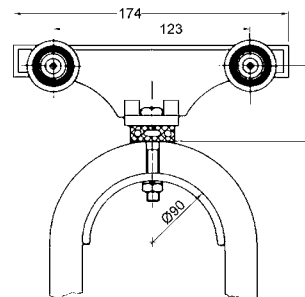
Weight : 0,65 kg

Cable dimensions : 89x30 mm max.

Max. cable weight : 40 kg

Travelling speed : 120 m/min max.

Temperatures : min. - 5 °C, max. 105 °C



Flat cable towing trolley MVK300

Material : aluminium frame and cable carrier
wheels steel, ball beared

Weight : 1,17 kg

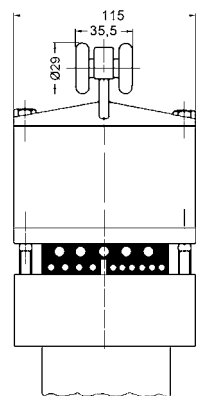
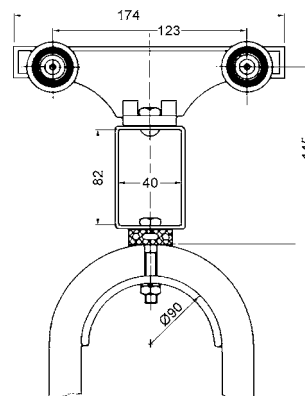
Cable dimensions : 89x30 mm max.

Cable weight : 40 kg max.

Travelling speed : 120 m/min max.

Temperatures : min. - 5 °C, max. 105 °C

(see photo on top)



Dimensions in mm

All characters and performances are under proviso