

Flatform cable festoon systems

The AKAPP flatform 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)

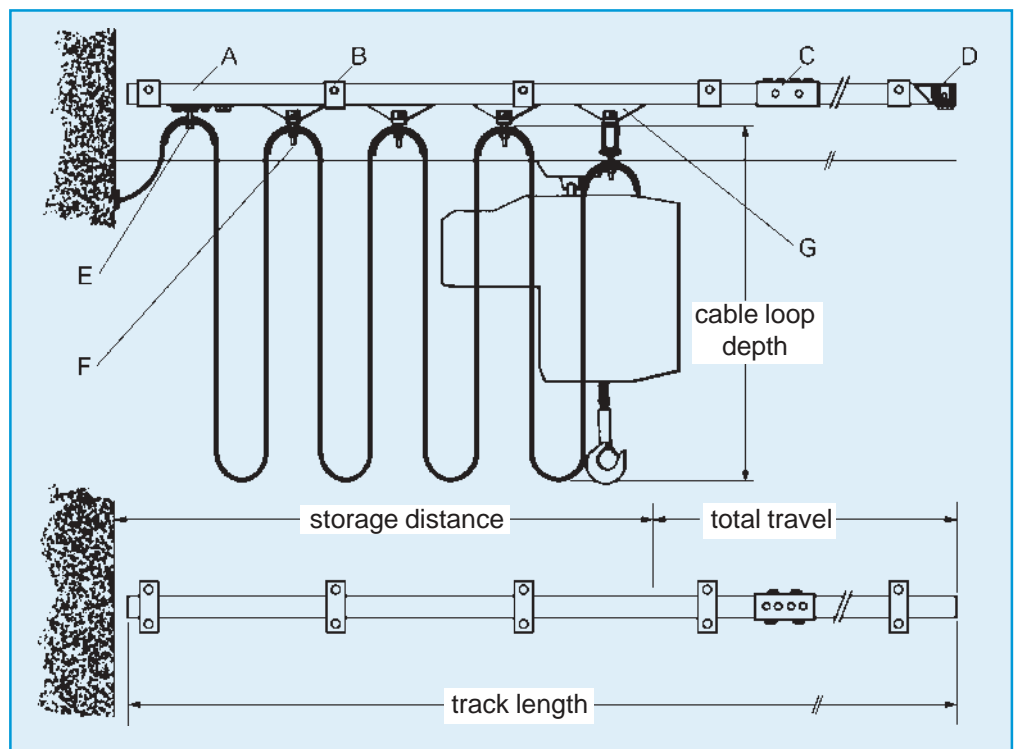


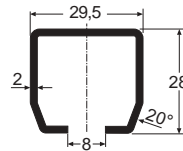
Diagram of an AKAPP festoon installation.



C-Profile and components Type 150

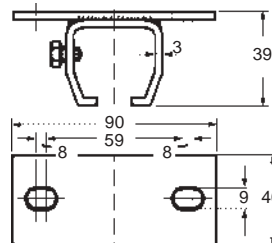
Profile R150

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



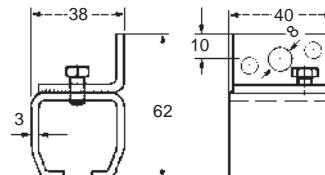
Ceiling support bracket PM150

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



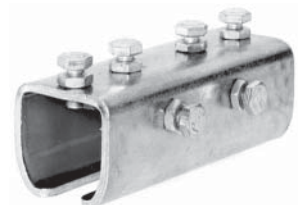
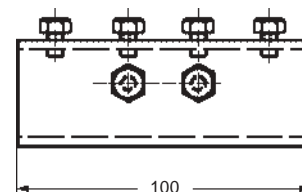
Wall support bracket WM150

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



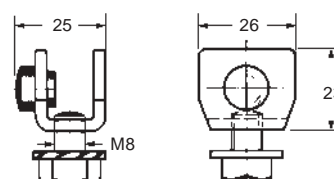
Splice joint RV150

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

Flexible with energy!

Festoon systems



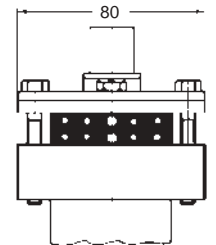
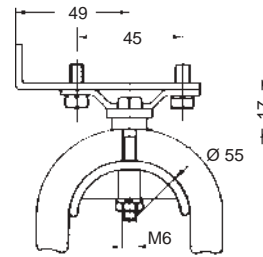
Aluminium trolleys for flat cables Running in profile R150

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).



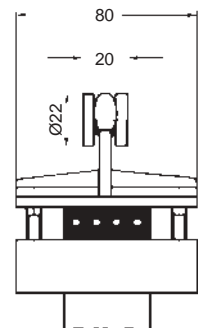
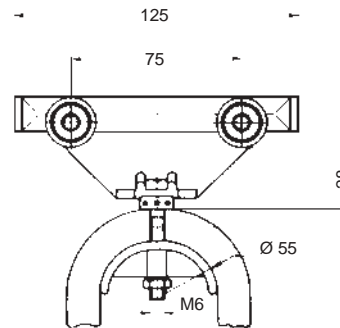
End clamp AVK150

Material : galvanised steel mounting plate and cable carrier
Weight : 0,231 kg/m
Cable dimensions : 58x20 mm max.
Max. cable weight : 10 kg
Temperatures : min. - 5 °C, max. 105 °C



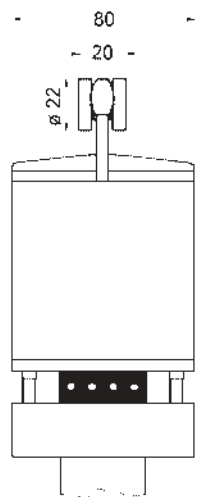
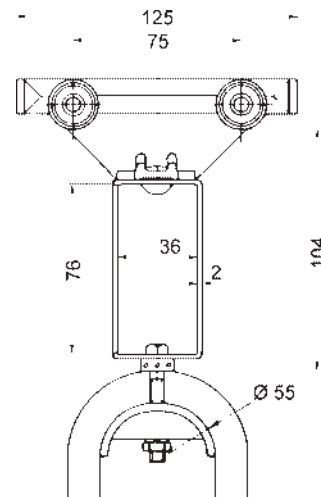
Flat cable trolley KVK150

Material : aluminium frame and galvanised steel cable carrier
Wheels : steel, ball beared
Weight : 0,229 kg
Cable dimensions : 58x20 mm max.
Max. cable weight : 10 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 : 10 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

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Festoon systems

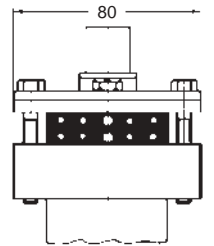
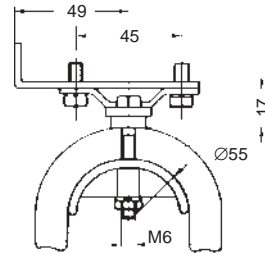
Steel trolleys for flat cables Running in profile R150

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).



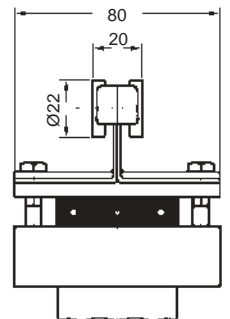
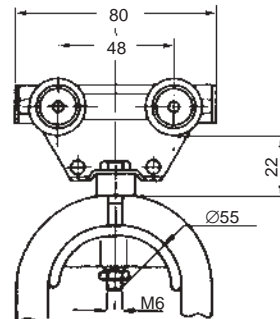
End clamp AVS150G

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



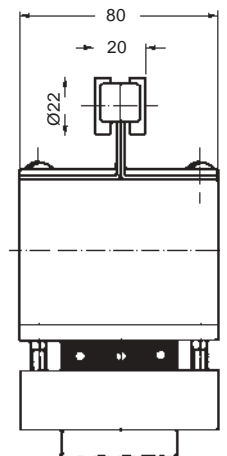
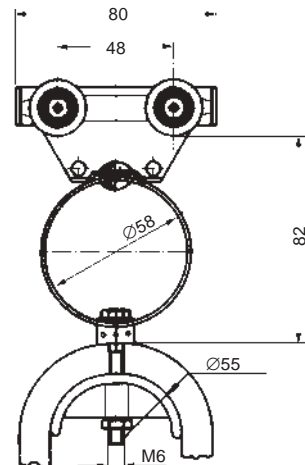
Flat cable trolley KVS150G

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)





Mobile pendant terminal box for profile R150

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:

- a. 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.
- b. 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.

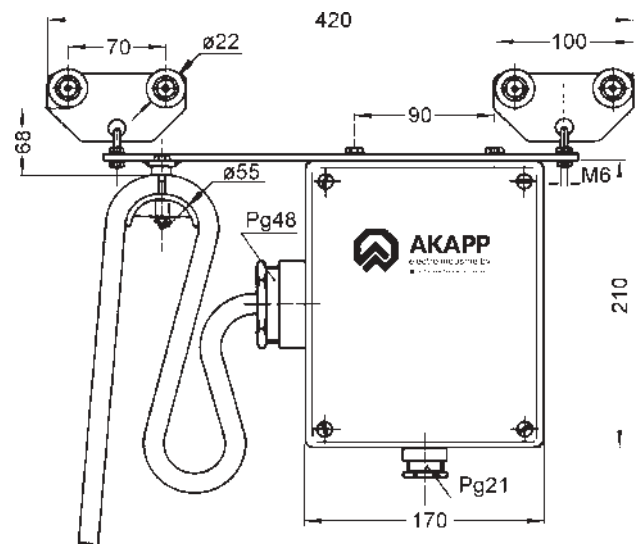


Mobile pendant with terminal box, SBWK150G

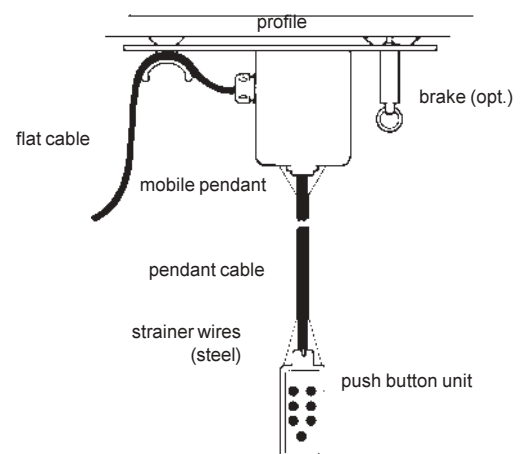
The box is provided with a cable gland PG48 for the flat cable(s) to enter. A cable gland PG21 at the bottom allows entry for the pendant cable (see mounting diagram below). This is usually a round cable with 2-sided integrated steel wires. A strainer wire termination is included.

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

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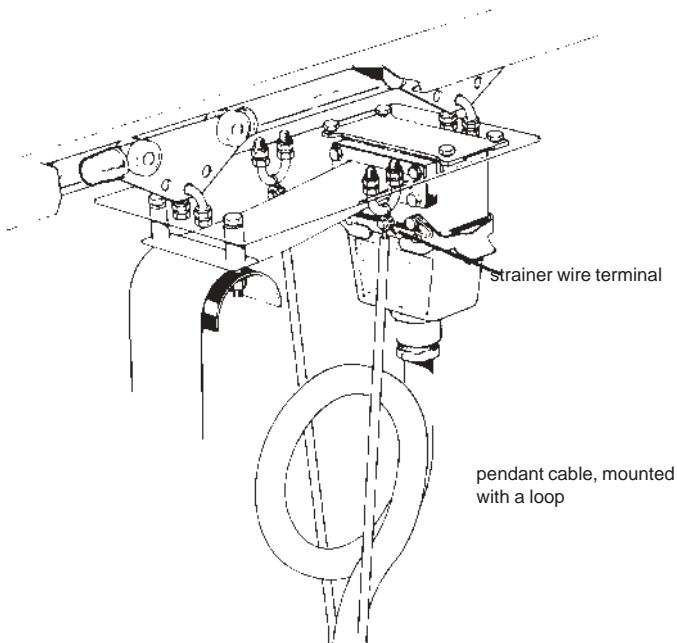
Mobile pendant plug/socket unit for profile R150

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 flatrom 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*

The 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

Flexible with energy!

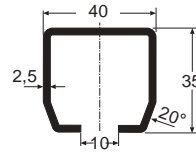


Festoon systems

C-Profile and components Type 300

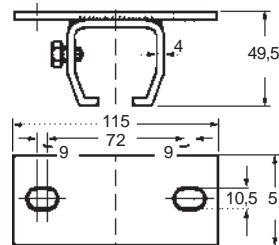
Profile R300

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



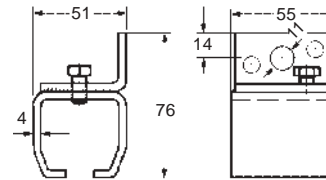
Ceiling support bracket PM300

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



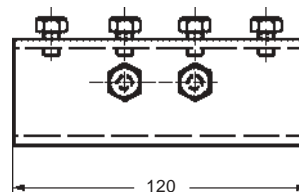
Wall support bracket WM300

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



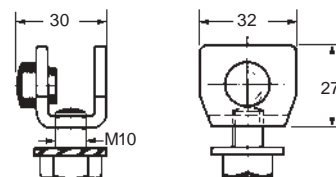
Splice joint RV300

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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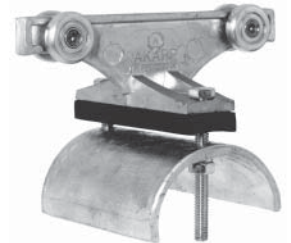
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Festoon systems

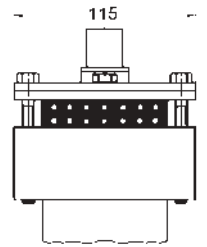
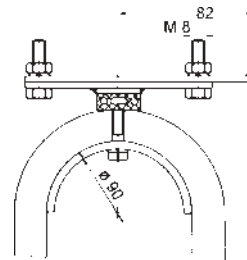
Aluminium trolleys for flat cables Running in profile R300

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.



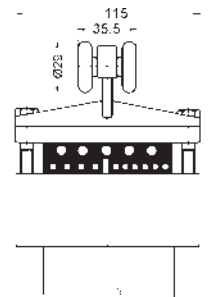
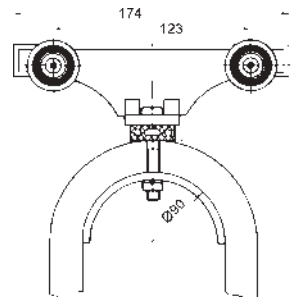
End clamp AVK300

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



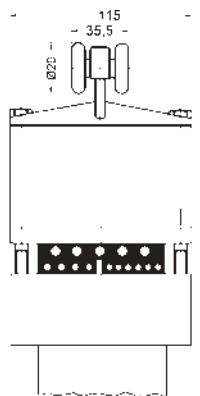
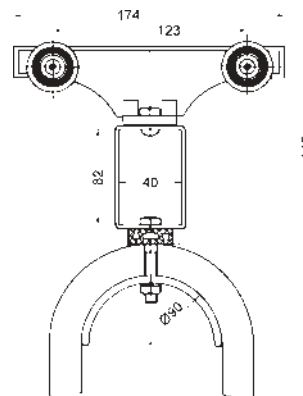
Flat cable trolley KVK300

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