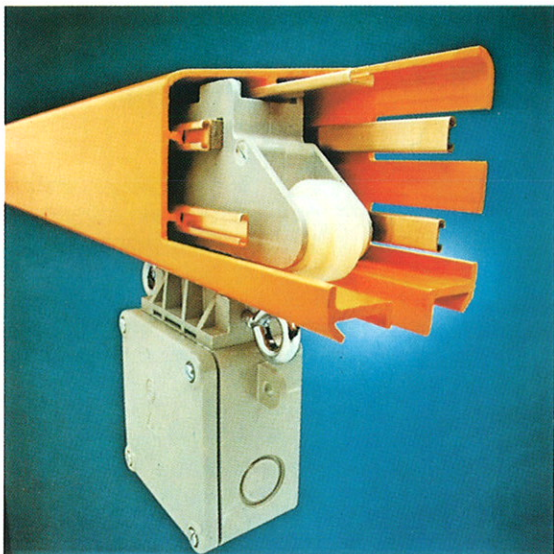


# The **Power** Conductor



SGK Enclosed Plastic Bus-Way is another product in the range of Power conductor systems. Its corrosion resistant design and protection against accidental contact affords a maximum of safety and meets V.D.E. standards.

Its compact construction, ease of installation and adaptability, allow its use in all applications where power needs to be supplied to moveable equipment.

**SGK and SGK-L**  
**Enclosed plastic**  
**bus-way**

**by Gluma**

SGK Enclosed Plastic Bus-Way is an ideal power conductor for –

**Cranes  
Electric Hoists  
Machines  
Electric Tools  
Conveyors**

Our system easily accommodates your industrial requirements with: –

### **4 system capacities**

Affording choice for light, medium and heavy power conduction.

### **Easily stocked spares minimum stockholding**

Component parts are interchangeable between the 4 profile capacities.

### **ADD-ON extras**

E.G. Circuit breakers, socket outlets etc. are available to allow more diverse use of the Bus-Way system.

### **Horizontal and vertical bends**

Available to order, enable us to produce systems to suit your particular application.

### **Multiple combinations**

Allow many conductors in restricted space with the ability to combine conductors of different electrical capacities.

These are a few of the advantages of installing SGK Bus-Way Systems. Once installed the commercial and practical benefits are soon realised.

## **Plastic Bus-Way, Model SGK**

(I.P. 23 Protection)

The Bus-Way is a well tried and proven power supply system for cranes and hoists. Four sizes of conductor give full load current ratings of 60, 80, 100 and 140 Amps. Standard length = 4.5 mtr, designed for both indoor and outdoor installations, and ambient temperature range between -30°C and +60°C.

The availability of Bell-Mouth approach units, Crossings, Horizontal and Vertical Bends, enables systems to be produced to suit almost any special application.

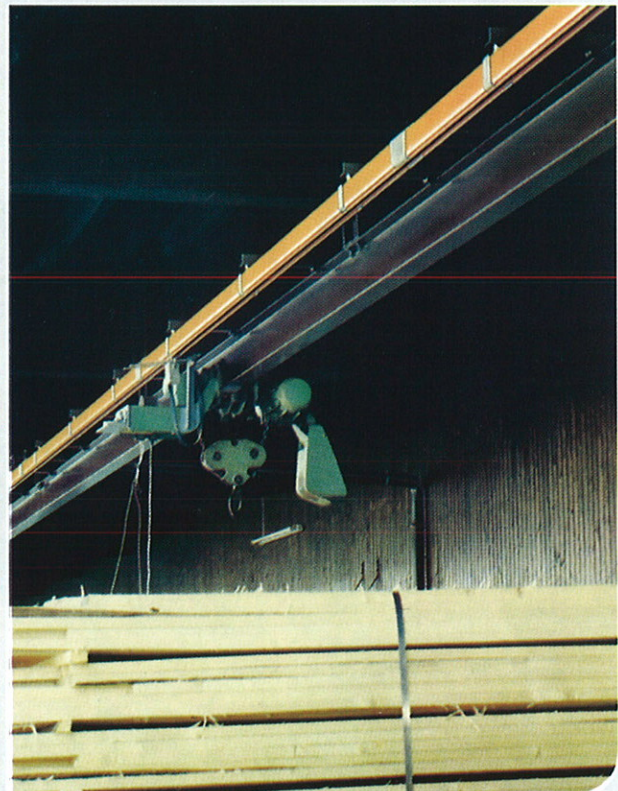
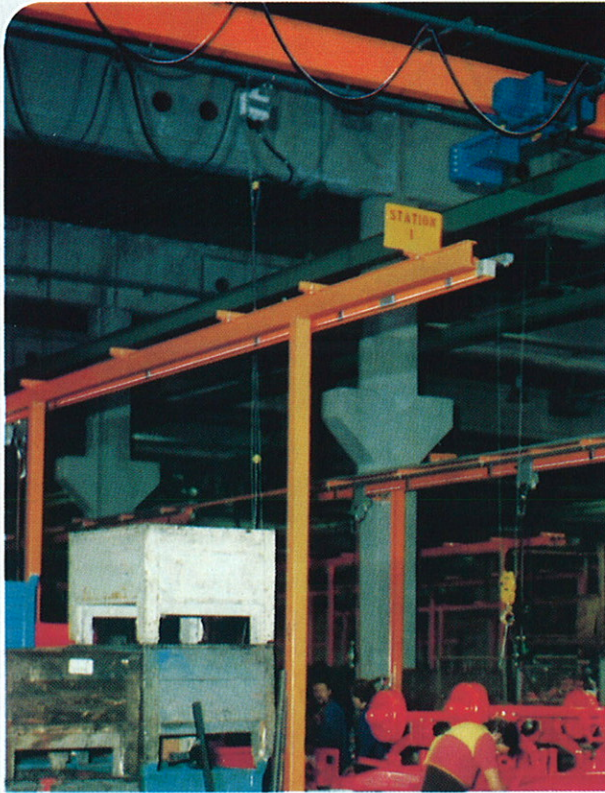
## **Plastic Bus-Way, Model SGK-L**

(I.P.23 Protection)

This combined system is especially suitable where light loads need to be suspended adjacent to the power outlet, the system will safely support a maximum load of 100 kg per mtr. and is supplied in standard 4.5 mtr. lengths. Installation of the SGK-L system assists in providing a tidy workplace reducing potential hazards and ensuring more efficient use of portable electric tools.



# Illustrations of Applications





# The synthetic plastic case

His high mechanical strength and excellent electrical properties. Standard length = 4.5 mtrs, shorter lengths are available. Where more than 5 Poles are required 2 or more profiles can be mounted side by side from a common support bracket. The earth (ground) conductor is colour coded at each end for installation purposes, and is identified throughout the length of the system by marker grooves in the profile case. Plastic Bus-Ways are Tropics-Proof.

# The conductor bars

Are mechanically coupled with Type VGK Joint Plates. The Bus-Bar sections are joined to each other by means of bolt-on type Link Plates, enabling sections to be exchanged or replaced. Around breaks, shunts, switches, turntables, etc. Bell-Mouthed Approaches are used to compensate for possible offset.

# Power sections

Where manual track or gantry systems require only partial power supply it is possible to use fixed lengths of SGK with Bell-Mouthed Approaches at these powered sections. The Trolley Collector is secured to the Electric Hoist by a spring loaded tie which, at the Approaches, guides the Collector onto the Bus-Bars giving power to the Hoist, allowing lifting and lowering operations to commence.

# Power Feed-In

Can be made anywhere throughout the length of a system using a Type AGK Line Feed Box, or at either end using a Type EGAK End Feed Box. Open ends are closed using Type EGK End Boxes. The standard 4.5 metre lengths are each suspended by 3 Hanger Brackets spaced at no more than 1.5 metres from each other. All installations whether indoor or outdoor should be suspended by Sliding Hanger Brackets mounted at 1.5 metre centres with 1 only Fixed Point Hanger Bracket Type FKGK mounted in the centre of the system.

# Electric values of the plastic Bus-Way

Maximum permitted Voltage	- 600 V at 50 Hz
Rated Current	- 60, 80, 100 and 140 A
Copper Bar Cross Section	- 10, 16, 25 and 35 mm <sup>2</sup>
Number of Poles	- Up to 5
Leakage Paths	- Greater than 38 mm
Air Gap	- Greater than 17 mm
Specific Volume Resistivity	as per DIN standard 53 482- $1 \times 10^{15}$ ohms per cm
Surface resistance	as per DIN standard 53 482- $2 \times 10^{13}$ ohms
Leakage current Resistance	as per DIN standard 53 480-Grade KA 2
Dielectric Strength	as per DIN standard 53 481-22 kV per mm
Relative dielectric Constant	as per DIN standard 53 483-3.3 at 50 Hz

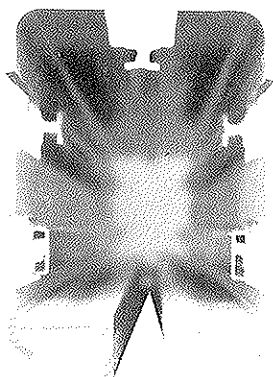
# Mechanical values

Tensile strength	as per DIN standard 53 455-50 N/mm <sup>2</sup>
Bend strength	as per DIN standard 53 455-71 N/mm <sup>2</sup>
Water absorption	as per DIN standard 53 472-0.08%
Combustibility	- Hardley Combustible - (ceases burning as soon as flame is taken away)
Dimensional stability under heat	as per VICAT DIN standard 53 460 - 82.5° C
Young's modulus of elasticity	as per DIN standard 53 457 - 2.923 N/mm <sup>2</sup>
Permanent ambient temperature	- from -30° C to +60° C

# Chemical resistance of the plastic case

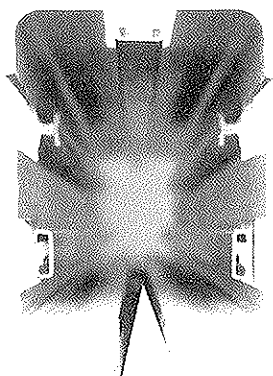
Petrol, Gasoline	- stable
Mineral oil	- stable
50% Sodium Hydrate Solution	- stable
Hydrochloric Acid	- stable
50% Sulphuric Acid Solution	- stable

## SGK 2



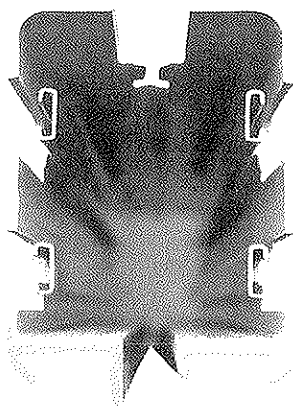
Type	Number of poles	Rated Current (A)	Maximum Permitted Voltage (V)	Voltage drop at Rated Current per 100 mts. Cos $\phi = 0.8$	Leakage path mm	Min air gap mm	Copper Section mm <sup>2</sup>	Weight without Accessories (kg/m)
SGK 2/ 60 A-10	2	60	600	21,4	240	39	10	1,55
SGK 2/ 80 A-16	2	80	600	17,8	240	39	16	1,65
SGK 2/100 A-25	2	100	600	14,3	240	39	25	1,75
SGK 2/140 A-35	2	140	600	14,3	240	39	35	1,95

## SGK 3



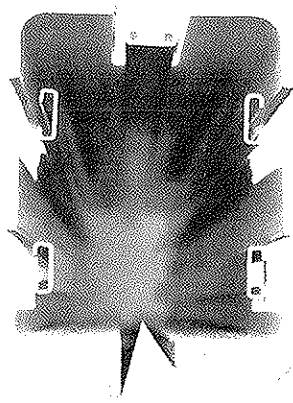
Type	Number of poles	Rated Current (A)	Maximum Permitted Voltage (V)	Voltage drop at Rated Current per 100 mts. Cos $\phi = 0.8$	Leakage path mm	Min air gap mm	Copper Section mm <sup>2</sup>	Weight without Accessories (kg/m)
SGK 3/ 60 A-10	3	60	600	17,1	112	39	10	1,65
SGK 3/ 80 A-16	3	80	600	14,3	112	39	16	1,80
SGK 3/100 A-25	3	100	600	11,4	112	39	25	1,95
SGK 3/140 A-35	3	140	600	11,4	112	39	35	2,25

## SGK 4



Type	Number of poles	Rated Current (A)	Maximum Permitted Voltage (V)	Voltage drop at Rated Current per 100 mts. Cos $\phi = 0.8$	Leakage path mm	Min air gap mm	Copper Section mm <sup>2</sup>	Weight without Accessories (kg/m)
SGK 4/ 60 A-10	4	60	600	14,8	38	20	10	1,75
SGK 4/ 80 A-16	4	80	600	12,3	38	20	16	1,95
SGK 4/100 A-25	4	100	600	9,9	38	20	25	2,15
SGK 4/140 A-35	4	140	600	9,9	38	20	35	2,55

## SGK 5



Type	Number of poles	Rated Current (A)	Maximum Permitted Voltage (V)	Voltage drop at Rated Current per 100 mts. Cos $\phi = 0.8$	Leakage path mm	Min air gap mm	Copper Section mm <sup>2</sup>	Weight without Accessories (kg/m)
SGK 5/ 60 A-10	5	60	600	14,8	38	17	10	1,85
SGK 5/ 80 A-16	5	80	600	12,3	38	17	16	2,1
SGK 5/100 A-25	5	100	600	9,9	38	17	25	2,35
SGK 5/140 A-35	5	140	600	9,9	38	17	35	2,85

**Sliding hanger bracket Type KGK**

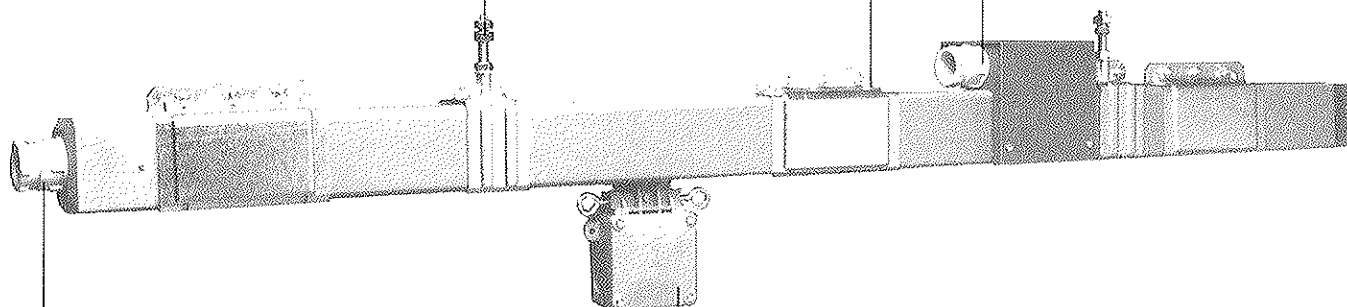
Electro-galvanized, spaced at not more than 1.5 metre centres. M.10 Fixing Bolt.

**Joint plate Type VGK**

Galvanized by the Sendzimir process, for mechanical and electrical joining of Bus-Way lengths, complete with link bars, studs and special adhesive insulating tape.

**Line feed box Type AGK**

In standard 0.5 metre lengths, entry from either end, PG 29 gland supplied as standard terminal cable entry 7.2 mm diameter. For connection diagram see illustration \*\*

**End feed box Type EGAk**

Complete with joint plate for mechanical coupling to Bus-Way, PG 29 gland supplied as standard, terminal cable entry 7.2 mm diameter. Dead section length = 150 mm. For connection diagram see illustration \*\*

**Collector trolley Type LG CMK**

40 Amp capacity, made of glass fibre reinforced moulded plastic, possessing excellent electrical and mechanical properties. Power transfer is via spring loaded carbon brushes. Standard collector Trolley fits all plastic SGK Bus-Way systems and comes complete with integral terminal box.

This collector Trolley is normally carried along by a pusher fork and will travel freely in curved systems where the radius of any bend is not less than 1 metre.

Specially designed collectors or ones with alternative outlet attachments are available to order.

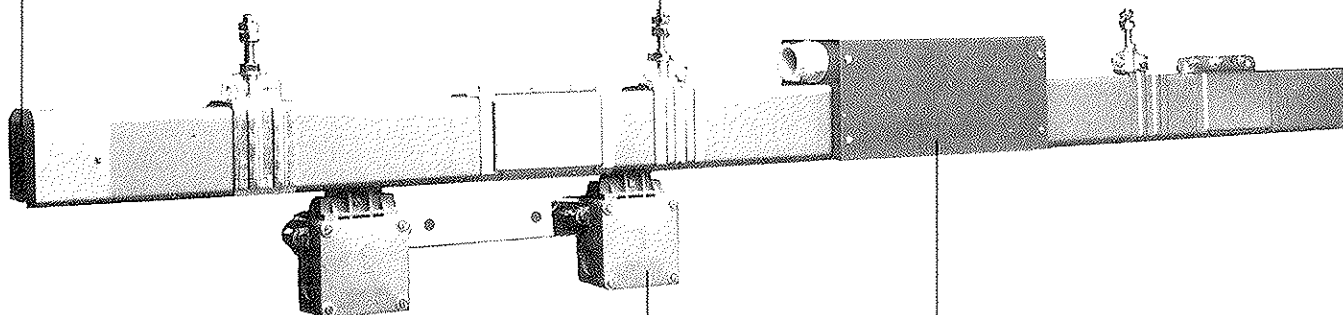
For terminal box connections see illustration \*

**End box Type EGK**

For closing the open ends of the Bus-Way.

**Fixed point hanger bracket Type FK GK**

Electro-Galvanized with an M.10 Fixing Bolt similar to the KGK Hanger but possessing locating lugs which lock into pre-formed cut outs in the SGK profile. Each system must have one FK GK Hanger located close to the centre, all other Brackets must be of the KGK Sliding Type. This allows for linear expansion, due to temperature changes, to take place in two directions and minimise the amount of movement.

**Twin collector trolley Type LG CMK/D**

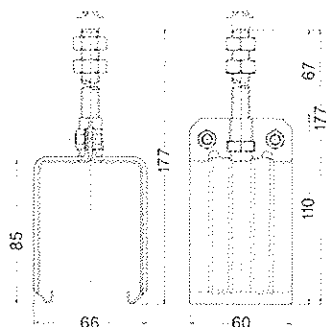
80 Amps capacity comprising two LG CMK Trolleys coupled together at 365 mm centres with an Electro-Galvanized spring steel flat bar pre-drilled to accept the pusher fork. For terminal box connections see illustration \*

**Isolating section Type TRMK**

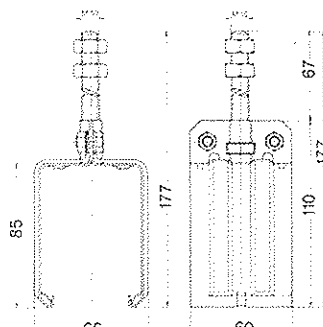
Allows interruption to power supply as required on an installation without affecting the whole of the installation. Supplied pre-installed onto a 1 metre length of SGK, PG 29 gland entry from either the right or left terminal cable entry 7.2 mm diameter.

For connection diagram see illustration \*\*

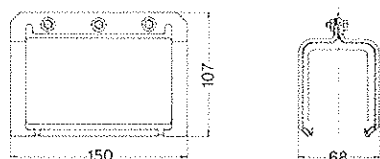
**Sliding hanger bracket**  
Type KGK



**Fixed point hanger bracket**  
Type FKGK

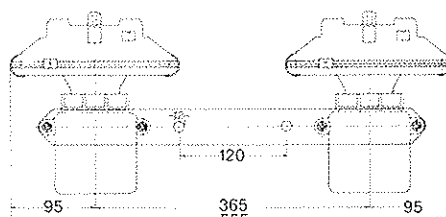


**Joint plate**  
Type VGK



Type	Number of poles	Type	Number of poles
VGK 2	2	VGK 2/SI	2
VGK 3	3	VGK 3/SI	3
VGK 4	4	VGK 4/SI	4
VGK 5	5	VGK 5/SI	5

**Twin collector trolley**  
~ 80 AMP Capacity  
Type LGCMK/D

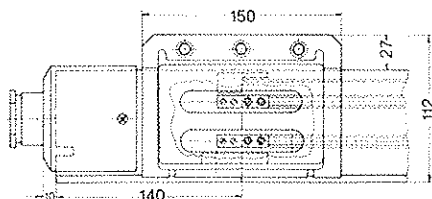


Type	Number of poles	Current rating
LGCMK 2/D	2	80 A
LGCMK 3/D	3	80 A
LGCMK 4/D	4	80 A
LGCMK 5/D	5	80 A

**End feed box**  
Type EGAK

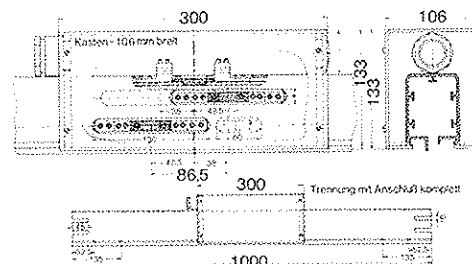
With PG 29 Gland entry  
Type

Type	Number of poles
EGAK 2	2
EGAK 3	3
EGAK 4	4
EGAK 5	5



For connection diagram  
see detail \*\*

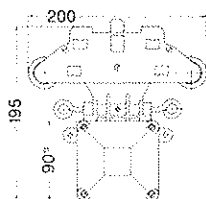
**Isolating section without feed in**  
Type trok  
**Isolation section complete**



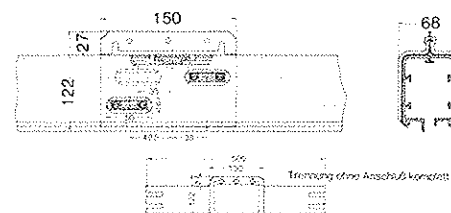
**Collector trolley - 40 Amp capacity**  
Type LGCMK

Type	Number of poles	Current Rating
LGCMK2	2	40 A
LGCMK3	3	40 A
LGCMK4	4	40 A
LGCMK5	5	40 A

For terminal connection see illustration \*



**Collector trolley terminal connections**

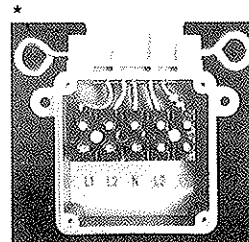
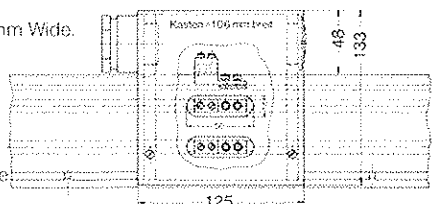


**Line feed box**

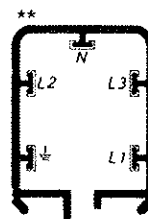
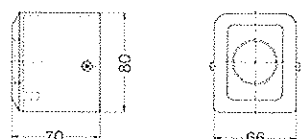
Type AGK Cover = 106 mm Wide.

Type	Number of poles
AGK 2	2
AGK 3	3
AGK 4	4
AGK 5	5

For connection diagram see illustration \*\*



**End Box**  
Type EGK



Standard connection  
diagram for  
EGAK  
AGK  
TRMK

**Bell mouth crossings Type TRU**

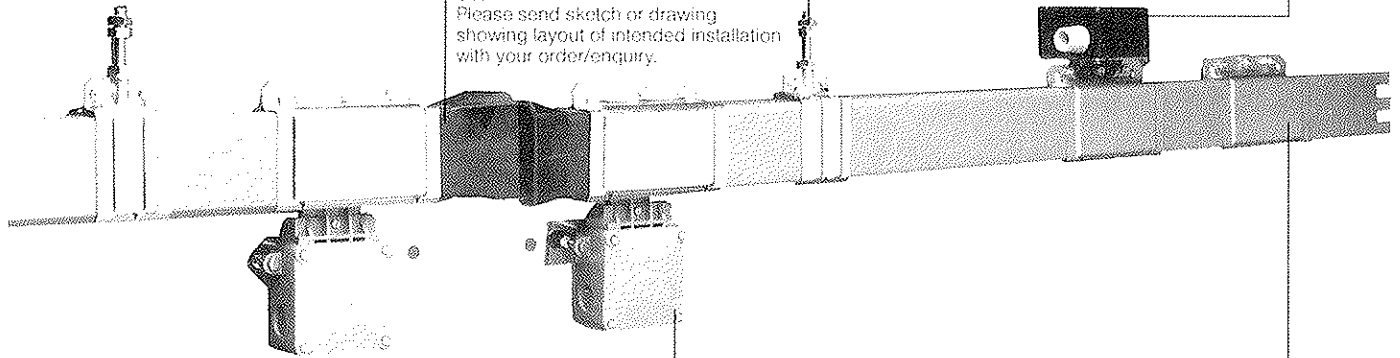
Used where a break in an otherwise continuous system is required e.g. Monorail Transfer System etc. Designed for trouble free transfer across the gap LG CMK/UF Collector Trolley must be used. Tolerances: -  
 Maximum Lateral Offset =  $\pm 15$  mm  
 Maximum Vertical Offset =  $+9, -3$  mm  
 Maximum gap between Bell Mouth = 30 mm  
 Distance between Conductor Bars = 320 mm  
 Please send sketch or drawing showing layout of intended installation with your order/enquiry.

**Fixed point hanger bracket Type FK GK**

Must be installed either side of a crossing to maintain the gap distance. All other brackets used in the system must be K GK Sliding Type to cater for expansion.

**Line feed box Type AGK-ST**

Installed at a joint between tow lengths of SGK profile. Maximum current rating = 36 AMPS.

**Collector trolley Type LG CMK/UF**

40 Amp capacity coupled at 350 mm centres by an Electro-Galvanized spring steel bar pre-drilled to accept a pusher fork.

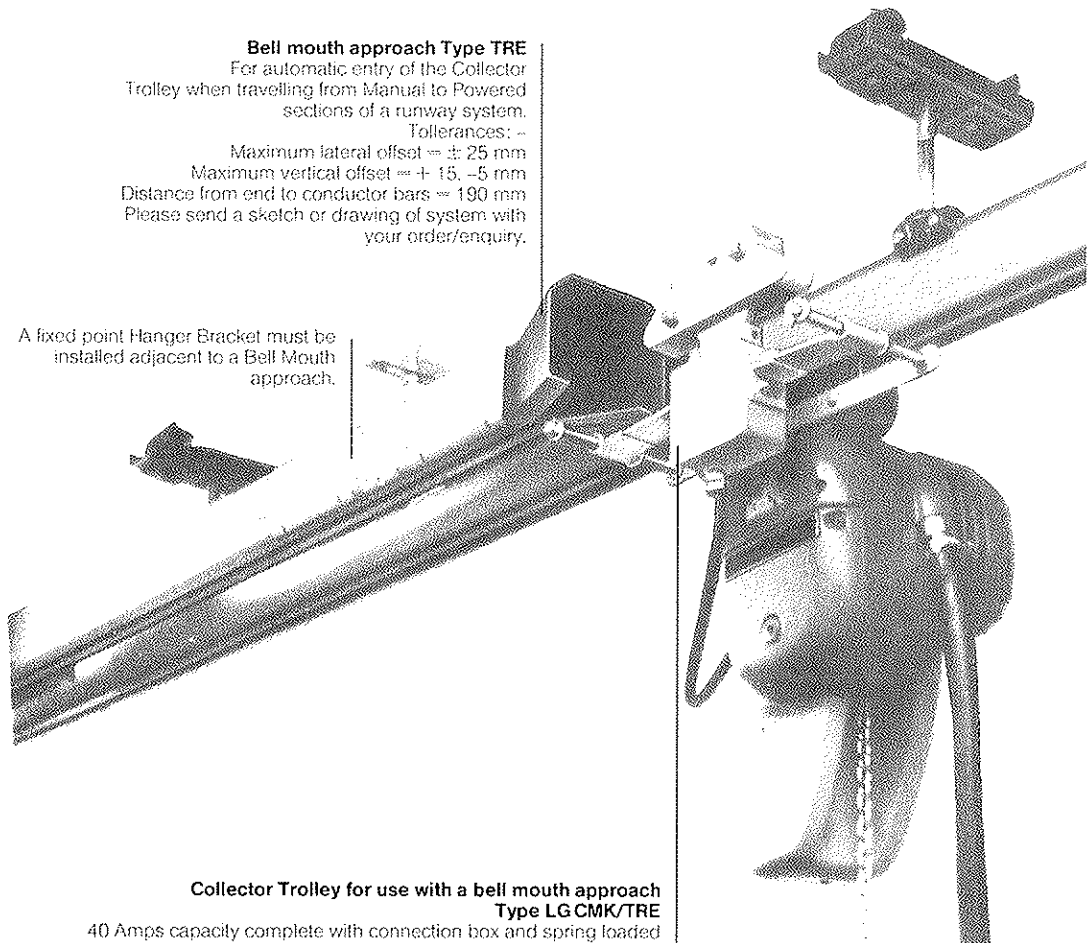
**Line isolating section Type TROK**

Without Feed-in supplied preinstalled into a 0.5 metre length of profile

**Bell mouth approach Type TRE**

For automatic entry of the Collector Trolley when travelling from Manual to Powered sections of a runway system. Tolerances: -  
 Maximum lateral offset =  $\pm 25$  mm  
 Maximum vertical offset =  $+15, -5$  mm  
 Distance from end to conductor bars = 190 mm  
 Please send a sketch or drawing of system with your order/enquiry.

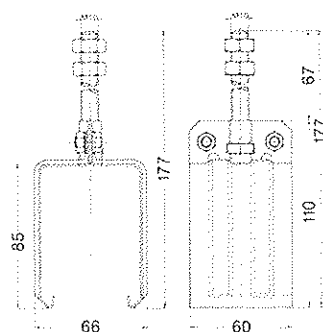
A fixed point Hanger Bracket must be installed adjacent to a Bell Mouth approach.

**Collector Trolley for use with a bell mouth approach Type LG CMK/TRE**

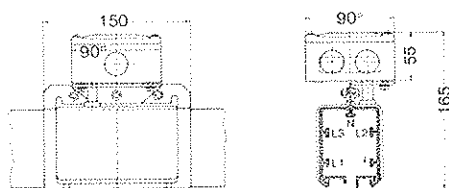
40 Amps capacity complete with connection box and spring loaded Towing Bracket. When correctly installed the Towing Bracket guides the collector into the Bell Mouth, the springs allow the collector limited movement in all directions.



**Sliding hager bracket  
Type KGK**



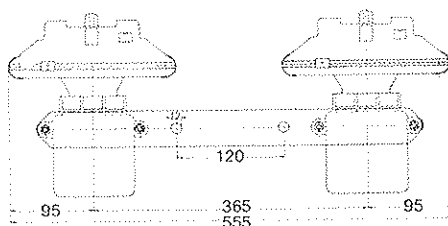
**Line feed  
Typ AGK/ST**



Type	Number of poles	Current rating
AGK-ST 2	2	36A
AGK-ST 3	3	36A
AGK-ST 4	4	36A
AGK-ST 5	5	36A

For connection diagram see illustration \*\*

**Collector trolley for use with Bell-Mouth crossings  
Type LGCMK/UF**

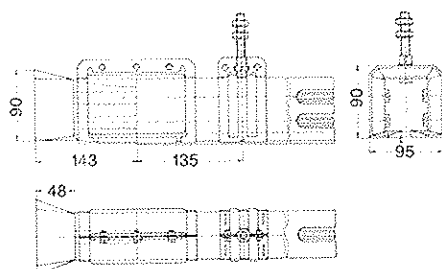


Type	Number of poles	Current rating
LGCMK2/UF	2	40A
LGCMK3/UF	3	40A
LGCMK4/UF	4	40A
LGCMK5/UF	5	40A

For connection diagram see illustration \*

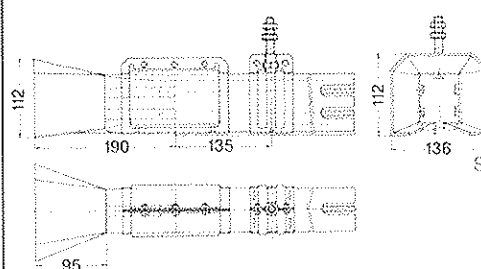
**Bell-Mouth crossing  
Type TRU**

Please send us a sketch or drawing of system with your order/enquiry.

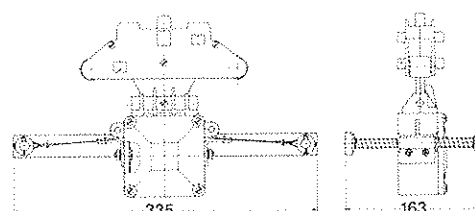


**Bell-Mouth approach  
Type TRE**

Please send us a sketch or drawing of System with your order/enquiry.



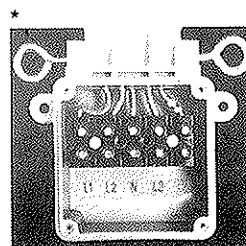
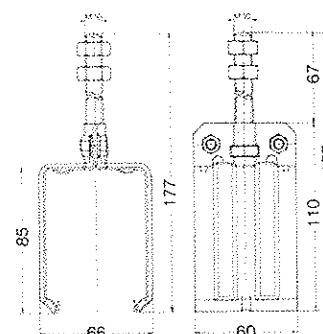
**Collector trolley for use with Bell-Mouth approach  
Type LGCMK/TRE**



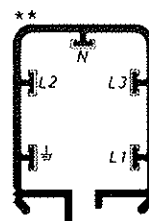
Type	Number of poles	Current rating
LGCMK2/TRE	2	40 A
LGCMK2/TRE	3	40 A
LGCMK2/TRE	4	40 A
LGCMK2/TRE	5	40 A

For terminal box connections see illustration \*

**Fixed point hanger bracket  
Type FKGK**



**Collector trolley terminal connections**



**Standard connection diagram**

for:  
- EGAK  
- AGK  
- TRMK

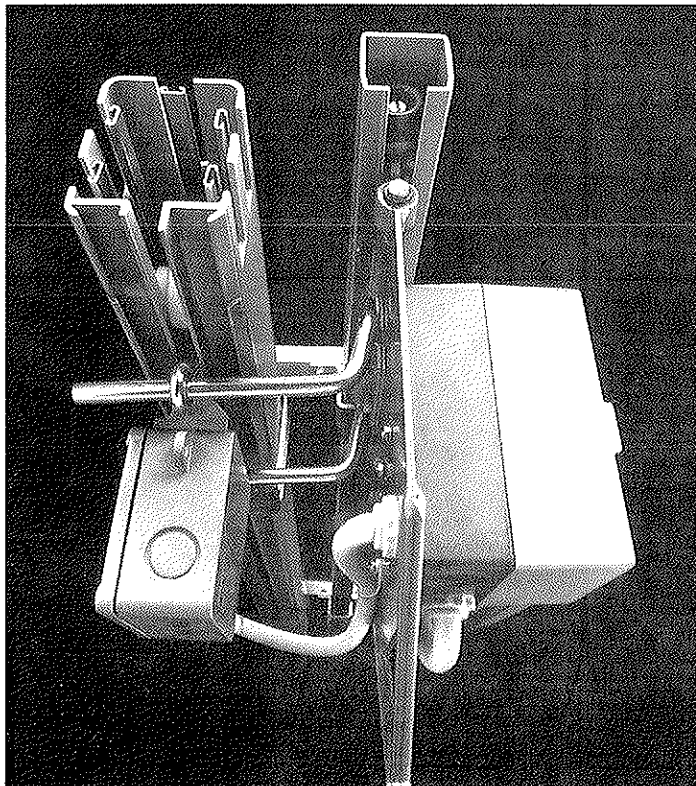
# Plastic Bus-Way and Load Track Type SGK-L

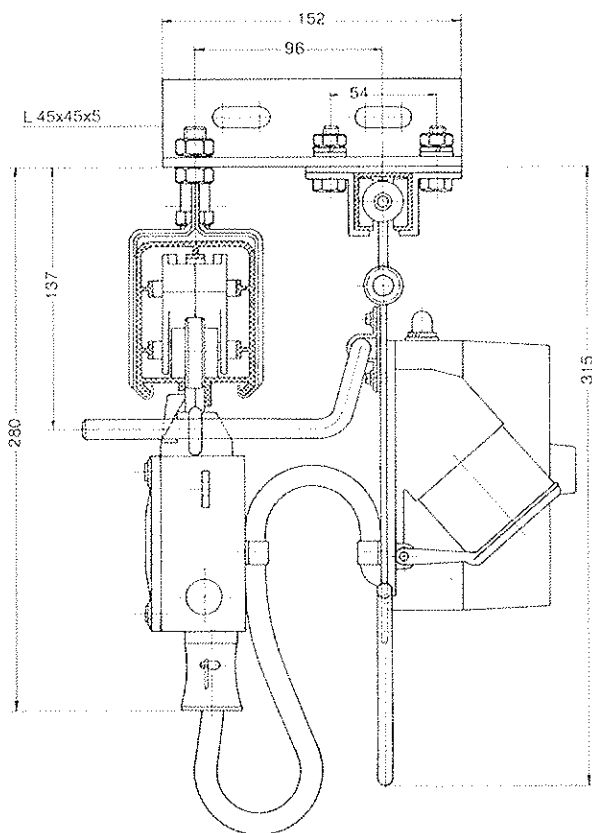
The combination SGK-L system consists of a plastic Bus-Way track for power supply, and a runway track for carrying the load. Both tracks are mounted at pre-determined centres, onto a common Support Bracket, which is fixed on site at centres not exceeding 1.5 metres. Brackets in various lengths are available Ex-Stock to suit mounting from Girders, R.S.J's or tubular structures and with horizontal or vertical fixings. Other nonstandard Brackets are available to order.

60, 80, 100 or 140 Amp capacity Plastic Bus-Way is used dependant upon the total system power requirement. A standard 40 Amp Collector Trolley is linked to the Load Trolley by a pusher fork. Also mounted on the Load Trolley is the chosen form of power outlet e.g. Circuit Breaker, Socket, Switch Fuse etc.

The load is suspended from the Load Track via the Load Trolley which also accomodates the chosen power outlet as aforementioned. A 8 mm dia Hanger is integrally mounted for the suspension of portable electric tools or carrying cradles.

Mechanical load carrying capacity of the combination SGK-L system depends on the spacing of the Support Brackets. At a maximum of 1.5 metre centres the load capacity is approximately 50 kg at 1 metre centre the load capacity is at its maximum of 100 kg.





## Combination SGK-L/16011 with load track 30 x 30 x 2

### Technical specification of component parts: Plastic Bus-Way Type SGK

Rated Current: 60 A with 10 mm<sup>2</sup> Copper  
80 A with 16 mm<sup>2</sup> Copper  
100 A with 25 mm<sup>2</sup> Copper  
140 A with 35 mm<sup>2</sup> Copper

Rated voltage: Up to 600 V.

Number of poles: 3, 4 or 5

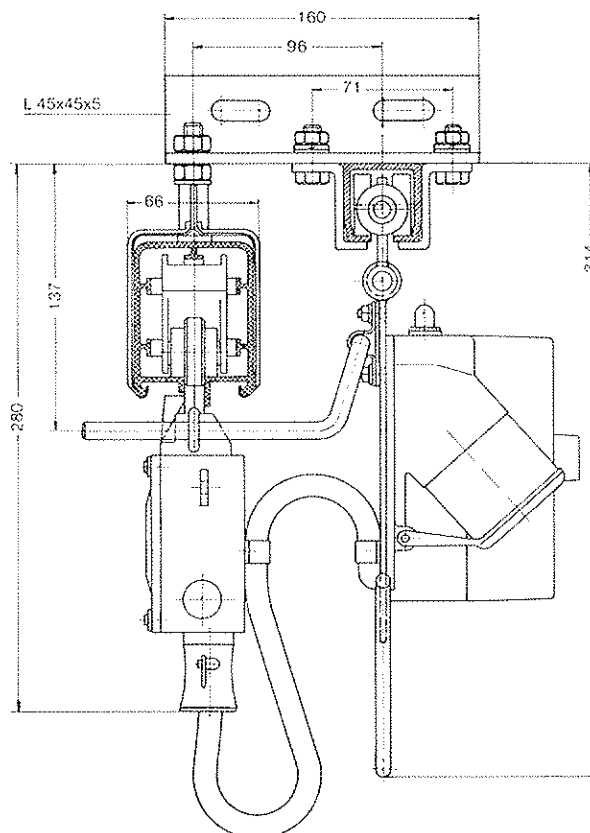
Length of track: 4.5 metres, shorter lengths  
can be made available

Hanger Spacing: Variable, max. spacing every  
1.5 metres

Weight without accessoires: approx. 2.0 Kg per  
running metre.

For ambient temperatures of from minus 30 up to plus  
60°C Copper Joints with Screws.  
Trolley Collector 40 Amp capacity

Dimensions: 30 x 30 x 2  
Moment of resistance:  $W_x = 1.4 \text{ cm}^3$   
Moment of inertia:  $I_x = 2.4 \text{ cm}^4$   
Length of track: 4.5 m shorter  
lengths available.  
Hanger spacing and load: 1.5 m = 30 kg  
1.0 m = 50 kg  
Up to 50 kg  
Load capacity:  
Weight: Approx. 2.0 kg per metre



## Combination SGK-L/W with load track 40 x 40 x 2.5

### Technical specification of component parts: Plastic Bus-Way Type SGK

Rated Current: 60 A with 10 mm<sup>2</sup> Copper  
80 A with 16 mm<sup>2</sup> Copper  
100 A with 25 mm<sup>2</sup> Copper  
140 A with 35 mm<sup>2</sup> Copper

Rated voltage: Up to 600 V

Number of poles: 3, 4 or 5

Length of track: 4.5 metres shorter lengths  
can be made available

Hanger Spacing: variable, max. spacing every  
1.5 metres.

Weight without accessories: approx. 2.0 Kg per running  
metre. For ambient temperatures of from minus 30 up  
to plus 60°C Copper Joints with Screws.  
Trolley collector loaded to 40 Amps

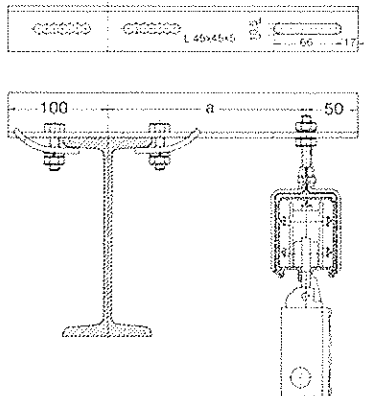
Load track:  
Dimensions: 40 x 40 x 2.5 mm  
Moment of resistance:  $W_x = 3.1 \text{ cm}^3$   
Moment of inertia:  $I_x = 6.7 \text{ cm}^4$   
Length of legs: 4.5 m shorter lengths available.  
Hanger spacing and load: 1.5 m = 50 kg  
1.0 m = 100 kg  
Up to 50 kg  
Load capacity:  
Weight: Approx. 2.5 kg per metre



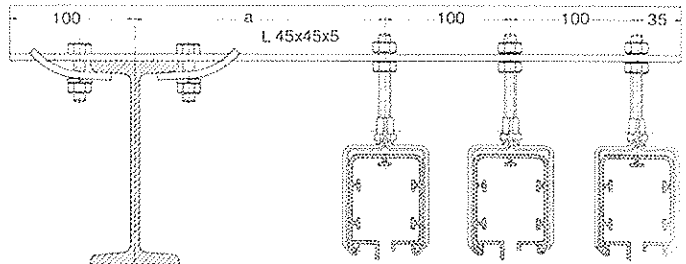
# Suspension alternatives

## I Plastic Bus-Way Typ SGK

### 1. Single Suspension Bracket Type AVEZ/K.



### 2. Multiple Suspension Bracket.



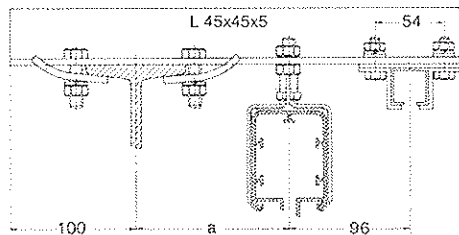
Both Brackets can be installed onto I section Beams up to 150 mm wide. The 'a' dimension for Stock Brackets is 200, 300 or 500 mm. Brackets for larger Beams and alternative 'a' dimensions are available to order.

#### Order example

1. For a single suspension with 'a' dimension = 200 mm  
Order AVEZ/K 200/1.
2. For a triple suspension with 'a' dimension = 200 mm  
Order AVEZ/K 200/3.

## II Combination SGK-L/16011 with load track 30 x 30 x 2.

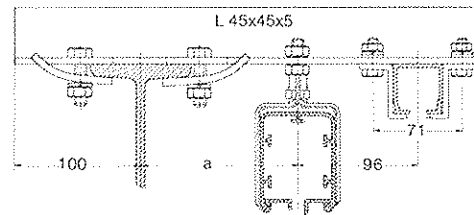
### 1. Suspension Bracket AVEZ/L1



Both suspension Brackets can be installed onto I section Beams up to 150 mm wide. The 'a' dimension for Stock Brackets is 200, 300 or 500 mm. Brackets for larger Beams and alternative 'a' dimensions are available to order.

## III. Combination SGK-L/W with load track 40 x 40 x 2.5

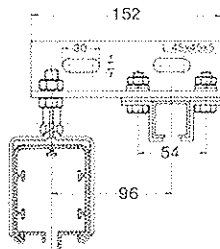
### 1. Suspension Bracket AVEZ/L2



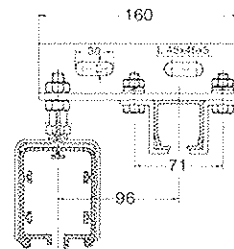
#### Order example

For a suspension Bracket with 'a' dimension 200 mm  
Order AVEZ/L1-200  
or AVEZ/L2-200

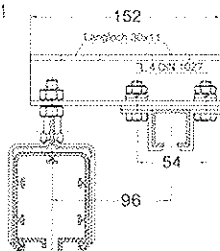
### 2. Angle iron suspension bracket Type W/54



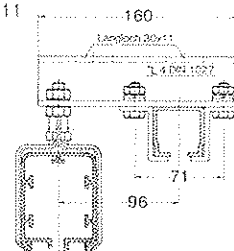
### 2. Angle iron suspension bracket Type W/71



### 3. Z Iron suspension bracket Type Z/54 Slot 30 x 11



### 3. Z Iron suspension bracket Type Z/71 Slot 30 x 11



When ordering a combination SGK-L system please state which type of bracket you require.

# Order example

For quotations and orders for straight systems the following information is required.

**Overall length.**

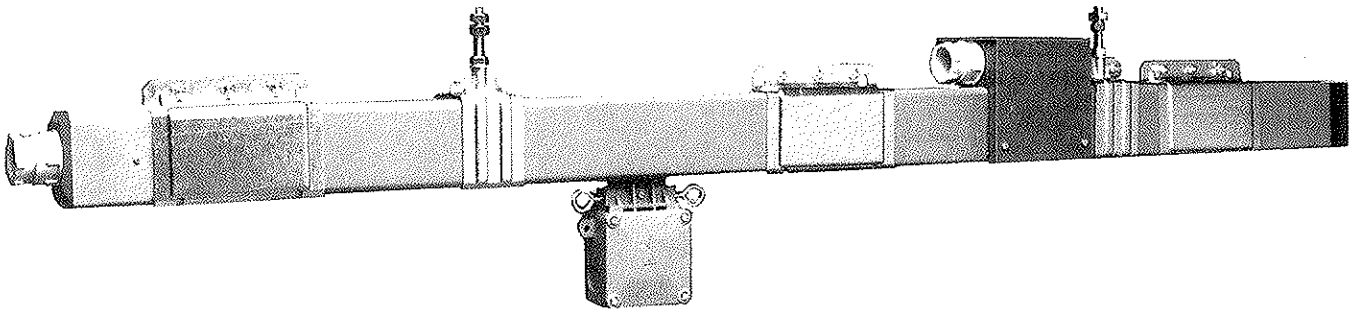
**End feed or line feed.**

**Distance between support centres (Hanger distance).**

**Number and type of Collector Trolley.**

All components required to complete the system are supplied by us without the need for further details.

In systems with Bell-Mouth and/or bends, a drawing or sketch of the proposed system layout is required.



## Order example No. 1

54 Metres **Plastic Bus-Bar system**  
SGK 4/80 A-16 **With End Feed-In.**

Consisting of:

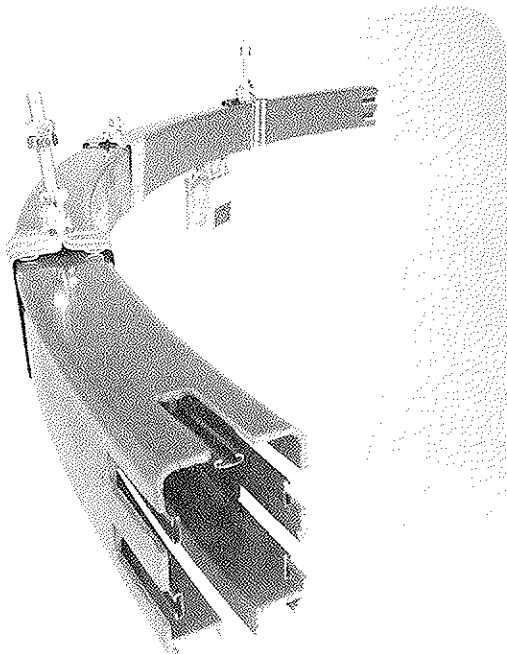
- 12 x 4.5M SGK 4/80 A-16
- 11 x Joint plates VGK 4
- 1 - Fixed Point Hanger Bracket FKGK
- 35 x Sliding Hanger Brackets KGK
- 1 - End Box EGK
- 1 - End Feed-In EGAK 4
- 1 - Trolley Collector LGCMK 4 (40A)
- 1 - Pusher Fork

## Order example No. 2

90.5 Metres **Plastic Bus-Way System**  
SGK 5/100 A-25 **With Line Feed-In**

Consisting of:

- 20 x 4.5M SGK 5/100 A-25
- 1 - 0.5M SGK 5/100 A-25 With Line Feed-In.
- AGK 5/100 A-25 Pre-Installed.
- 20 x Joint Plates VGK 5
- 1 - Fixed Point Hanger Bracket FKGK
- 60 x Sliding Hanger Brackets KGK
- 2 x End Boxes EGK
- 1 - Trolley Collector LGCMK 5 (40A)
- 1 - Pusher Fork.



## Horizontal bends

Are made specially to order.

The following points are important.

**(a) Maximum radius measured to the track (profile) centre line for 4 and 5 pole systems.**

60A and 80A = 900 mm

100 A and 140 A = 1200 mm

**(b) Maximum overall length of curved section = 2000 mm**

Systems are always installed with the long tag on the track opening adjacent to the supporting steelwork.

This tag also used as a reference when defining inside and outside bends.

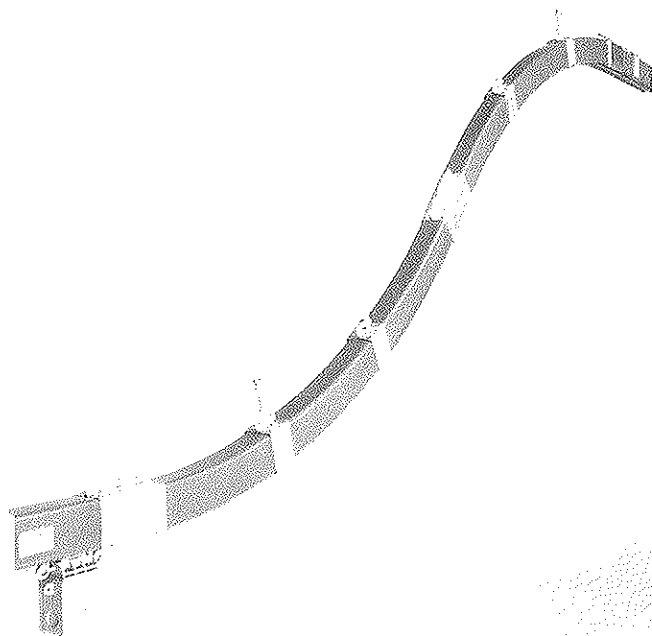
Inside bends are defined as bends which lie between the radius point and the supporting steelwork or, with the long tag adjacent to the edge furthest from the radius point.

Outside bends are defined as bends which lie with the supporting steelwork between the track and the radius point or, with the long tag adjacent to the edge nearest to the radius point.

Please give the following details with your order / enquiry.

1. Number of degrees.
2. Inside or outside.
3. Radius to the Bus-Way system centre.

Wherever possible a drawing showing the proposed system layout should be sent with your order/enquiry.



## Vertical bends

Also made specially to your order.

The following points are important.

**(a) Minimum radius with reference to the track centre line = 1500 mm.**

**(b) Maximum length of curved section = 2000 mm.**

We differentiate between inside and outside bends as follows:

Inside bend: – is where the back of the track points towards the radius point.

Outside bend: – is where the back of the track points away from the radius point.

Please give the following details with your order/enquiry.

1. Number of degrees.
2. Inside or outside.
3. Radius with reference to the back of the track.

In the same way we can also manufacture vertical 'S' bends.

Please give the following information with your order/enquiry.

1. Overall height of rise.
2. Overall length of 'S' bends.
3. Radius of both outside and inside bends with reference to the back of the track.

Wherever possible a drawing showing the proposed system should be sent with your order/enquiry.

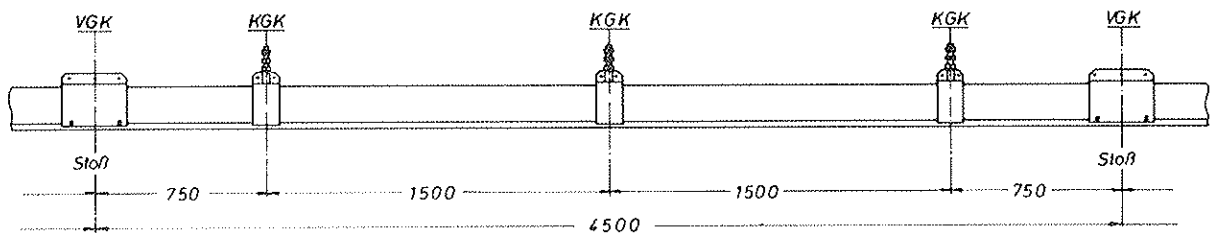


# Instruction in the Installation of Plastic Bus-Ways

The Plastic Bus-Way is rigidly linked to the roof structure, in the system's centre if feasible, by means of a track reference point hanger bracket. The other hanger brackets used are of the sliding type. In this way the system, in case of changes in ambient temperature, can freely move towards both extremes. Standard suspension spacing is 1,5 metres.

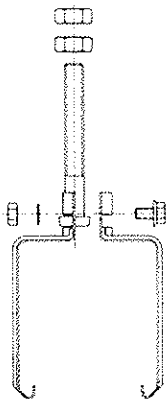
Installation of the bus-way can begin at any place of the track system. It will, however, prove advantageous to begin at one of its ends. Make sure that the yellow and green inlaid grooves on the bus-way track are all found on the same side.

## Suspension Spacing



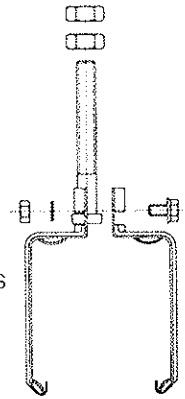
KGK Sliding type hanger bracket, to be fitted at a distance of 750 mm from track joint.  
VGK Joint plate, for mechanical and electric coupling of bus-way tracks.

## Sliding type Hanger Bracket KGK



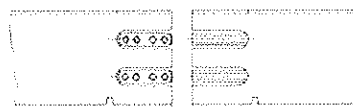
Preassemble sliding type hanger brackets according to specifications and slip them on standard bus-way lengths to a point about 0.75 metres from each end. Standard spacing of these hangers is 1.50 metres.

## Track Reference Hanger Bracket FKKG



The track reference point hanger bracket cannot be preassembled. Each system has to be rigidly linked to the roof structure with help of one track reference point hanger bracket at about the centre of the system. When this bracket is being fitted to the respective bus-way track, the ears at its lower ends are to be hooked into the recesses in the bus-ways (at about 0.75 metres from each track's ends). The remainder are assembled in accordance with respective specifications.

## Mechanical and Electric Coupling of Bus-Way Lengths



Prior to joining bus-way tracks, make sure yellow and green inlaid grooves on the track are all on the same side.