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拖链系统完整解决方案

COMPLETE SOLUTION FOR DRAG CHAIN SYSTEM

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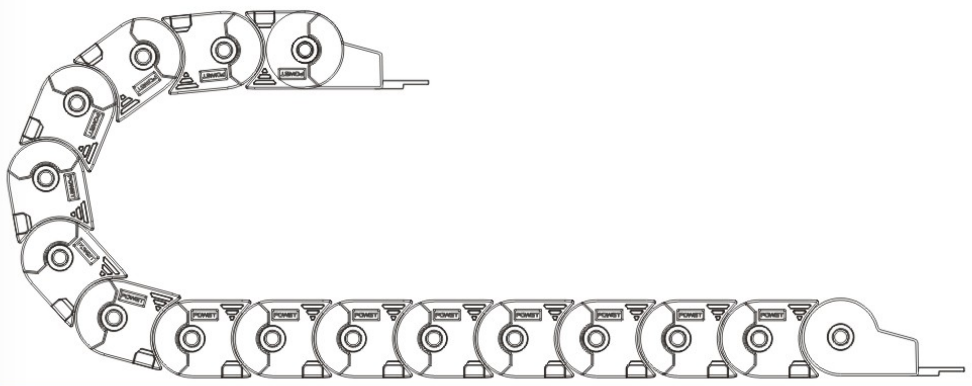

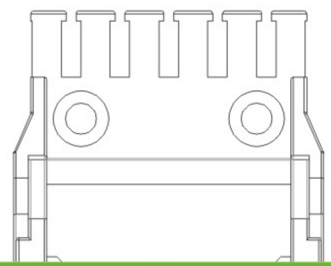

拖链集成系统专业制造商

PROFESSIONAL MANUFACTURER OF DRAG CHAIN INTEGRATED SYSTEM

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帕尔特智能科技（苏州）有限公司
POWET INTELLIGENT TECHNOLOGY (SUZHOU) CO., LTD.

CHINA • POWET

COMPANY PROFILE

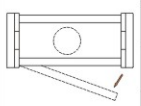
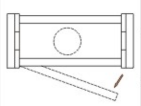
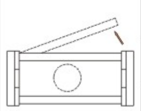
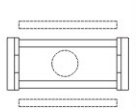
POWET INTELLIGENT TECHNOLOGY (SUZHOU) CO.,LTD as a professional manufacturer of cable drag chain system. Powet design and produce high quality cable drag chain and protection system to well-protect cables and precious mechanical components are our mission . Our cable chain's cross bar, middle divider and side-plate with smooth surface and no burrs , which can avoid cable abrasion and extend cables service life.

Now, POWET products are widely applied in various industries, such as: photovoltaic production line, lithium battery production line, semiconductor production line, port equipment, industrial robots, automated production line and other fields. Purpose of convenient to clients and promote efficiency, POWET can provide tow chain, cable, wire harness, integrated protection system which providing modular, multi-functional, multi-combination forms of cable drag chain applications, protection applications. We will constantly focus on providing high quality and better service to meet the needs of customers' different application requirements.

CATALOG

PROFESSIONAL MANUFACTURER OF DRAG CHAIN INTEGRATED SYSTEM

CABLE CHAIN MENU
TECHNICAL SPECIFICATION

Image	Crossbar Open Way	Series	Basic Measurement								Unsupported Application		Gliding Application		Interior Separator			Page No.
			Inner Height <Hi> (mm)	Max Cable Diameter φ	Outer Height <H> (mm)	Inner Width <Bi> (mm)	Outer Width <Ba> (mm)	Bending Radius <R> (mm)		Pitch <P> (mm)	Unsupported Load max (kg/m)	Unsupported Length FLB max (m)	Gliding Load max (kg/m)	Maximum Gliding Length Smax (m)	Vertical Separator	Full-width Horizontal Separator	Horizontal Separator	
Mini chain-easy to disassemble and install																		
		Chain Type																
		E06	6	ϕ4	9	5-10	9-14	10-15		10	0.25	0.5	0.5	10	-	-	-	16
		E07	7	ϕ5	10	7-16	12-21	15-28		10	0.25	0.5	0.5	10	-	-	-	19
		E10	10	ϕ8	13	10-20	16-26	18-38		13	0.25	0.5	0.5	20	-	-	-	22
		E15	15	ϕ13	19	15-50	26-61	28-75		25	1.5	1.0	0.8	60	-	-	-	25
		E18	18	ϕ16	23	18-50	30-62	28-75		30.5	1.5	1.5	0.8	60	-	-	-	28
Light cable chain-light high efficiency easy install																		
		Open-able chain-Open along inner radius																
		Ei21	21	ϕ19	28	15-125	28-138	35-180		33.3	2	1.75	1.8	75	■	■	■	32
		Ei25	25	ϕ23	38	25-125	41-141	55-250		46	5	2.3	2	100	■	■	■	35
		Ei35	35	ϕ31	54	50-125	66-145	63-300		56	8	3.3	6	120	■	■	■	39
		Ei45	45	ϕ41	64	50-150	72-172	75-300		67	10	3.5	10	150	■	■	■	43
		Open-able chain-Open along outer radius																
		Eu21	21	ϕ19	28	15-125	28-138	35-180		33.3	2	1.75	1.8	75	■	■	■	32
		Eu25	25	ϕ23	38	25-125	41-141	55-250		46	5	2.3	2	100	■	■	■	35
		Eu35	35	ϕ31	54	50-125	66-145	63-300		56	8	3.3	6	120	■	■	■	39
		Eu45	45	ϕ41	64	50-150	72-172	75-300		67	10	3.5	10	150	■	■	■	43
High speed low noise cable chain-high speed low noise dust-free																		
		**H20**	20	ϕ18	32	25-140	38-153	38-75		23	1.3	1.7	-	-	■	■	■	48
		H30	30	ϕ28	39	25-140	41-146	50-200		23	2.5	2.0	-	-	■	■	■	50
		H40	40	ϕ38	54	40-150	60-170	63-200		27.8	2.8	2.3	-	-	■	■	■	52
		H50	50	ϕ48	65	25-175	50-200	75-200		30.3	10	2.5	-	-	■	■	■	54
		H60	60	ϕ58	75	30-200	65-235	115-300		50	40	3.5	-	-	■	■	■	56

CABLE CHAIN MENU
TECHNICAL SPECIFICATION

Image	Crossbar Open Way	Series	Basic Measurement							Pitch <P> (mm)	Unsupported Application		Gliding Application		Interior Separator			Page No.
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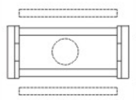
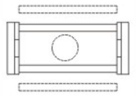
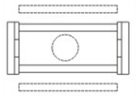
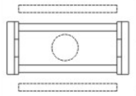
G series cable chain-rough structure high load long unsupported length																		
		Bridge Type Cable Chain																
		G35	35	ф32	57	50-300	76-324	75-300		61	20	3.5	8	200	■	■	■	60
		G45	45	ф42	67	50-300	76-324	75-300		72	42	4.5	12	250	■	■	■	65
		G60	60	ф54	88	75-500	109-534	135-500		91	67	5.0	15	350	■	■	■	70
		G80	80	ф72	108	75-500	125-550	150-600		111	75	6	30	350	■	■	■	75
		Full Enclosed Type Cable Chain																
		GF35	35	ф32	57	50-300	76-324	100-300		61	20	3.5	8	200	■	■	■	63
		GF45	45	ф42	67	50-300	76-324	125-300		72	42	4.0	12	250	■	■	■	68
		GF60	60	ф54	88	75-500	109-534	175-500		91	67	5.0	15	350	■	■	■	73
		GF80	80	ф72	108	75-500	125-550	200-600		111	75	6	30	350	■	■	■	79
Cable chain P series-economical type																		
		Bridge Type Cable Chain																
		P35	35	ф32	59	50-300	72-322	75-300		62	20	3.5	8	200	■	■	■	84
		P45	45	ф42	69	50-300	74-324	75-300		74	42	4.5	12	250	■	■	■	89
		P58	58	ф54	88	75-500	101-526	135-500		91	67	5.0	15	350	■	■	■	94
		Full Enclosed Type Cable Chain																
		PF35	35	ф32	59	50-200	72-222	100-300		62	20	3.5	8	200	■	■	■	87
		PF45	45	ф42	69	50-200	74-224	125-300		74	42	4.0	12	250	■	■	■	92
		PF58	58	ф54	88	75-300	101-326	175-500		91	67	5.0	15	350	■	■	■	97
TL series steel cable drag chain																		
	TL30	TL45	TL65	TL80	TL95	TL115	TL125	TL155		TL180	TL225	TL250						107

POWET® 拖链系统、机械防护系统 CABLE-CHAIN SYSTEM、MACHINE BELLOW COVER SYSTEM

Terms and formulas

α=The rotation angle of the rotating machine element

β=Fixed end angle

$\triangle C$=Offset from fixed end to travel center

$\triangle M$=Deviation of the center point

μ=Friction coefficient

a=Acceleration

Ba=Outer width of chain

B_{Ga}=Guide trough outer width

B_G=Guide trough inner width

Bi=Inner width of chain

d=Cable outer diameter

D=Over length chain radius in final position

H_{Gi}=Guide trough inner width

hi=Inner height of cable chain

Hs=Required clearance height

K= Add-on for bending radius

K_1= Further add-on for sliding travel (for long travels)

Lc=C shape trough length

L_G=Guide trough inner side length

L_k=Cable chain length

m=Weight of cable chain

n=Number of links

n_R=Reverse installed links in moving end

n_z=Slots number of tiewrap plate

P=Pitch of link

D_1=Minimum travel length

F_μ=Required driver power offset friction

Fa= Required driver power offset acceleration

Fd=System needed driver power

FL_B= Unsupported length with permitted sag

FL_G=Unsupported with straight upper run

Fl_U=Vertical unsupported length

F_{Zmax}=Max extra load during travel

H=Nominal clearance height

H_1=Required moving end installed height

Ha=Chain outer height

H_G=Outer height of guide trough

R=Bending radius

ra=Outer bending radius

Ra=RBR outer bending radius

ri=Inner orbit radius

Ri=PBR inner bending radius

S=Travel length

T_1=Guide trough thickness

T_2=Draw runner thickness

V=Speed

Y_{max}=Maximum deflection

Unsupported application/short stroke

Unsupported length

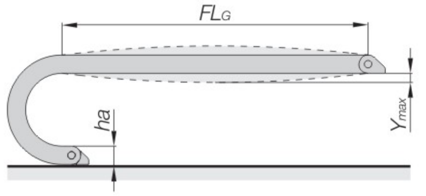
Unsupported length: Cable chain move in horizontal, during travel the upside part doesn't contact with downside part.
The maximum unsupported length of the cable drag chain depends on the type of chain selected and the internal load. According to the status of the unsupported chain, it can be divided into the following three modes.

1.Unsupported with straight *FL_G*

Straight status is the most recommended unsupported way. The whole cable chain system has high stability, and the service life can usually reach more than 10 million reciprocations.

Advantages:

- The cable carrier can operate at high speeds and accelerations .
- The cable carrier runs with low noise and no additional vibration .
- Cable carrier and cables&hose with less strain relief and have a long service life.



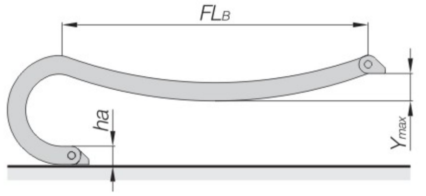
Straight

2. Unsupported with permitted sag *FL_B*

Unsupported with permitted sag can be applied in low speeds and low accelerations. At the same time, noise and vibration will increase, and the service life will be reduced.

Advantages:

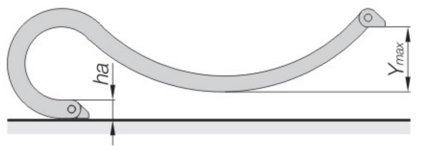
- Longer unsupported length or larger loads can be achieved .
- You can choose a model smaller than the actual need to save costs.



Permitted Sag

3. Dangerous sag

Critical sag will greatly affect the service life of the cable chain and equipment safety, and should be avoided during design. Support should be added if necessary.

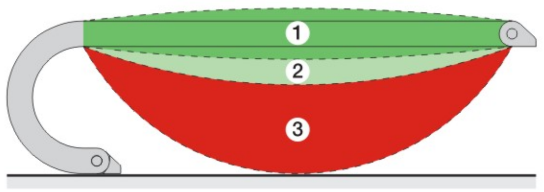


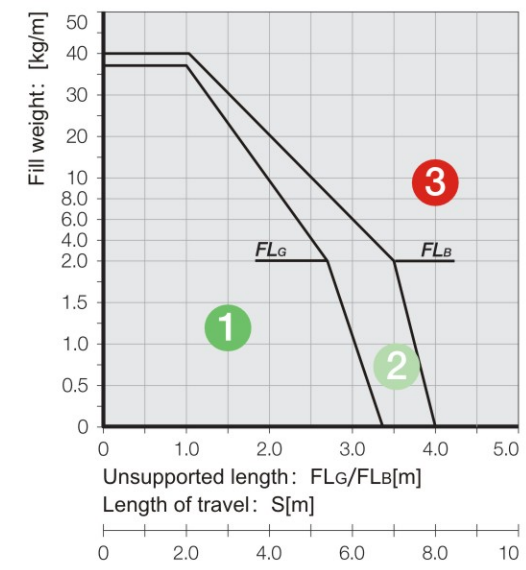
Dangerous Sag

Unsupported - load diagram

On the right unsupported load diagram, the linear unsupported **FL_G** curve and Unsupported with permitted sag **FL_B** curve. The two curves are divided into 3 regions:

1. Unsupported with straight area ▶ **FL_G** left area
2. Unsupported with permitted sag area ▶ **FL_G** and **FL_B** surrounded area
3. Dangerous sag area ▶ **FL_B** right side area





ⓘ

The unsupported load diagram is based on the average dead weight (average inner width) of the cable chain of this series, measured by a new cable chain at normal temperature and constant humidity. For fully enclosed or especially wide cable chains, the maximum load and unsupported length will be reduced due to the increase of cable chain's own weight. High temperature and humidity can reduce the unsupported capacity of the cable drag chain. With the increase of long-term stress and wear of the cable chain, the unsupported capacity will decrease.

POWET® 拖链系统、机械防护系统 CABLE-CHAIN SYSTEM、MACHINE BELLOW COVER SYSTEM

Unsupported application/short stroke

Overhead application

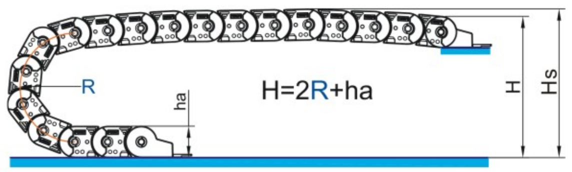
Cable chain move in horizontal, during travel the upside part doesn't contact with downside part. Unsupported application are most commonly used, usually applied in 10 meters short travel. POWET cable chains are ideal for long overhead and high load applications, can achieve extremely high speeds and accelerations for extended service life.

Strain relief

All POWET standard cable chain have strain relief function which can enlarge unsupported length and extend chain service life.

Strain relief function cable chain have a little hump-up, the required installed height HS bigger than nominal installation height H. Parameter of HS of each chain please check related installation size sheet.

If in limited space condition we also can offer you non-strain relief cable chain.



Mounting Brackets

We recommend use fixed end as standard configurations during unsupported application.

When speed V > 10m/s or acceleration a > 20m/s and with limited installation height, we recommend use fixed end.

Moving end have compensation function with cable chain strain's relief, it can relief cable's weight load and convenient to install.

How to calculate length of cable chain needed

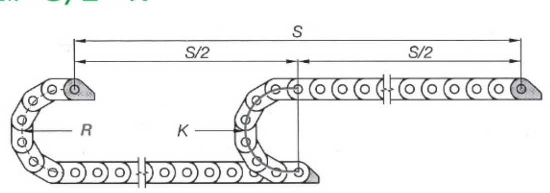
The fixed end of the cable chain is at the midpoint of the stroke, and the length of the cable chain Lk is equal to half of the stroke length S/2+K value. If the fixed end of the cable chain deviates from the center of the travel distance, the offset value must be added.

We advise install fixed end in the center of travel length, in this case, the required length of cable chain and hose are shortest, cost is lowest.

$K=\pi \cdot R+2 \cdot P$

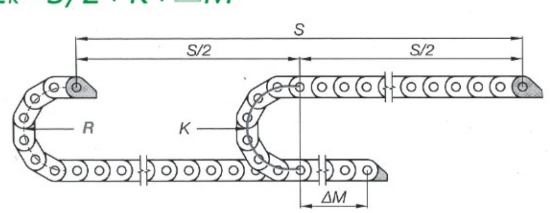
■ Fixed end located in the center of travel

$L_k=S/2+K$



■ Fixed end offset the center of travel

$L_k=S/2+K+\triangle M$



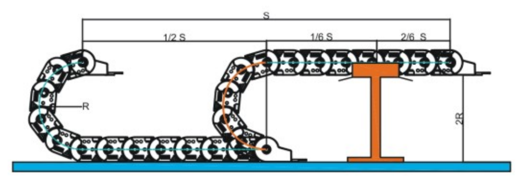
Unsupported/pillar

When permitted unsupported length is insufficient, adding support frame is a problem solving method, but in this case, there will have a limit to speed and acceleration, and can cause extra noise and vibration. So, if possible, we recommend to use more strength cable chain priority.

Below are three basic support methods, support frame can be roller or support tray.

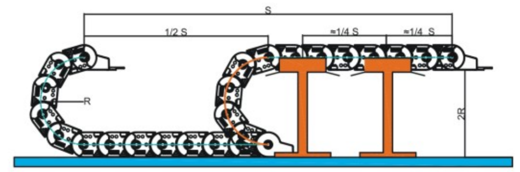
1.One supportor

Increase 50% unsupported length: $S_{max}=3FL_G$



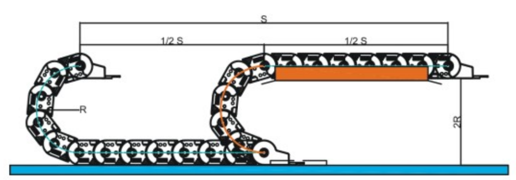
2.Two supportor

Increase 100% unsupported length: $S_{max}=4FL_G$



3.Support area

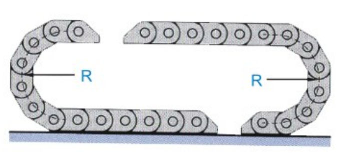
Increase 100% unsupported length: $S_{max}=4FL_G$

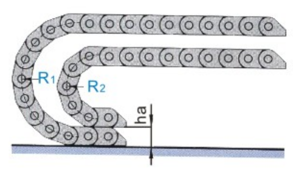


unsupported
operate toward and nested installation

When there have limited space for height and width, but you need increase filling room of cable chain, then you can install two cable chain travel toward or one move inside another one. These two methods can solve unsupported length shortage problem.

To guarantee cable chain move smoothly, there must have certain amount space between nested chain. We recommend use adjacent bending radius cable chain, and the difference value must according to R_1-R_2>3/2ha





Sliding application/ long travel

Sliding application

Sliding: part of upside chain sliding on downside cable chain, other part sliding on same height draw runner.

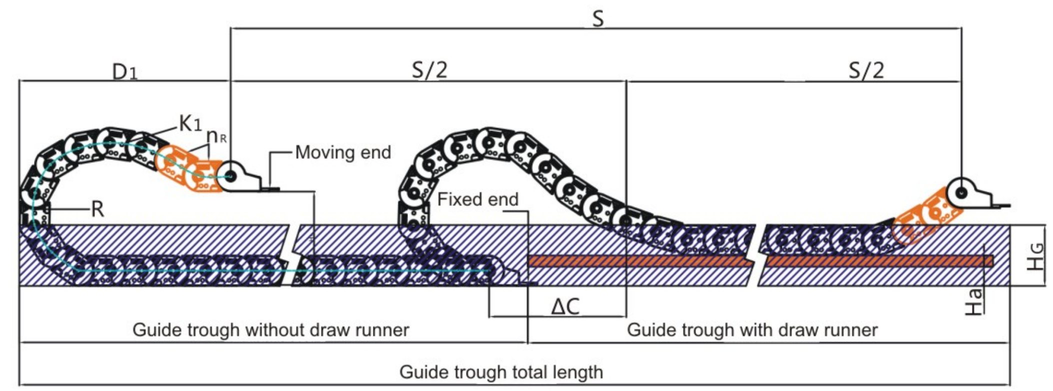
When travel distance exceed cable chain's designed unsupported length, adopting sliding solution can make long distance mobile power supply available, stroke range from 10 meters to 100 meters. Long sliding travel have been widely used and was proved it's an effective, safe, reliable solution.

How to calculate length of cable chain needed

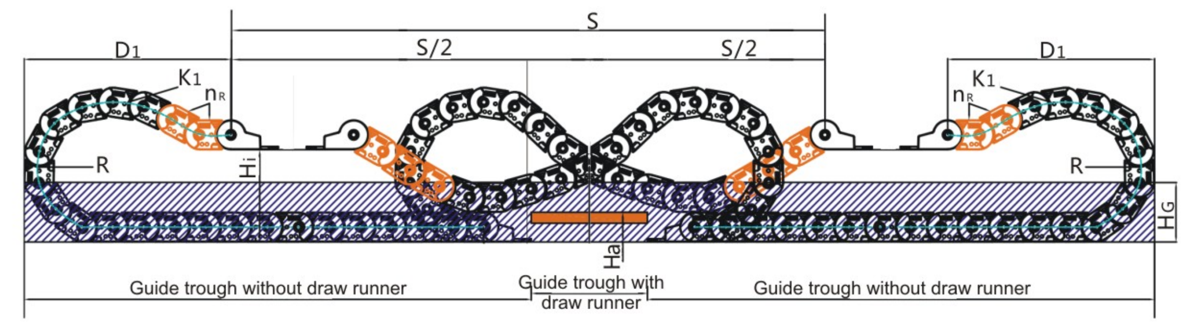
We recommend the fixed end of the cable chain be installed near the midpoint of the travel(offset the center point AC) , then the length of the cable drag chain LK is equal to half the travel length S/2+K1 value. The reduction of the installation height of moving end will increase bending radius margin, the fixed end of the cable chain at the center of the offset stroke ΔC is the best choice, rather than the center of the stroke, this moment the required tow chain, cable and hose length is shortest and the cost is lowest.

$L_k=S/2+K_1$

Single chain sliding: lower down moving end installation height and fix links reverse (standard configuration) .



Two chains operate toward each other: apply in restricted space or high weight load conditions

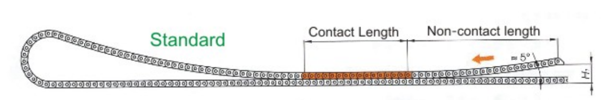


Lower down installation height of moving end

Depend on the chosen chain and it's technical parameter(2R>3ha), in some sliding application the moving end installation height has to lower down.

■ **Lower down moving end installation height: H_1=3ha**

- ▶ Greatly decrease suspend length.
- ▶ Angle between upside and downside chain is 5 degree, this can reduce broke risk during chain draw back .
- ▶ Reduce friction and vibration.
- ▶ Extend service life.



■ **Links install reverse in moving end**

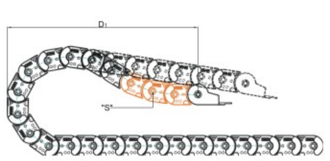
Lower down moving end installation height, meanwhile, install links in opposite direction near moving end.

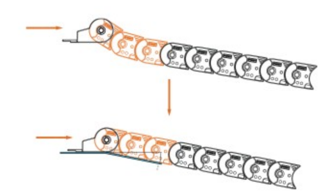
- ▶ Reduce installation space (reduce D1 value).
- ▶ Make moving end as "S" shape which can decrease the strain relief of moving end.
- ▶ Avoid hump-up during chain operation.

Quantity of opposite fixed links nR depend on chain model and bending radius, details please check installation size sheet in each series.

Support frame of moving end

We advise support the moving end as show in right picture, in case too much pressure on links cause chain broke. The support frame gradient should keep in 10°--15°, and at least support 3 reverse links or whole reverse links.





Sliding application/ long travel

System stability

For avoiding side-tipping during cable chain long sliding travel, we recommend use rate of bending radius and outer width of chain follow: R/Ba≤4. The smaller rate, the more stability.
When the whole system has lateral force, this ratio maybe need to narrow down further, or can extend the width of guide trough. For chain system installed at outdoor high-altitude, the wind factor must consider too.

Maximum extra load Fzmax

Cable chain max load depends on bending radius and speed

■ **The larger bending radius, the smaller max extra load**

The bigger bending radius means longer suspend length between upside and downside chain, will generate more bending moment which make cable chain easy to broke or over load.
Therefore, under the premise of satisfying the required bending radius of cables and hoses, the smaller bending radius of chain is preferred.

■ **The higher speed, the smaller additional load**

We offer the max load data (Fzmax) of every series chain with different bending radius (base on speed v≤1m/s).
When speed v > 1m/s, the max load will reduced accordingly:
Fzmax=1/vFzmax(v=1)
Below table indicate the relationship between max extra load Fzmax and speed v of G45.Bi.175 cable chain.

Speed V [m/s]	ratio [%]	Fzmax [kg/m]
1 m/s	100%	10kg/m
2 m/s	50%	5kg/m
3 m/s	33%	3.3kg/m
4 m/s	25%	2.5kg/m

Driving force calculation

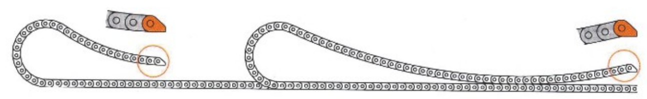
System required driving force Fd consist of two parts, one part counteract acceleration power Fa, another part counteract friction power F.

Fd=Fa+Fμ
Fa=m*a
Fμ=m*g*μ

m=whole chain weight（include inner pipeline）, kg
a=maximum sliding speed m/s
g=10m/s
μ=0.3（single chain standard sliding）
=0.4（two chain operate toward）

Brackets

We recommend use moving end as standard configuration for sliding application.
Moving bracket can adapt angle change of moving end links, release load of two end links, avoiding stress concentrate on one point.



Guide trough system

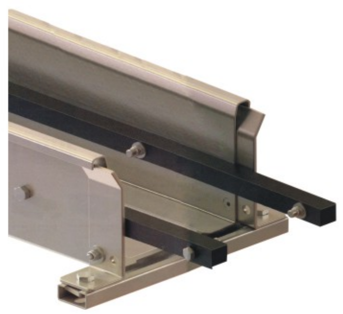
In gliding application, guide trough is an essential chain guidance device. For general technical requirement guiding application, we offer standard modular designed guide trough system, only need few spare parts, assembled by bolt and nut, easy to install and adjust, and suit for all POWET cable chain.

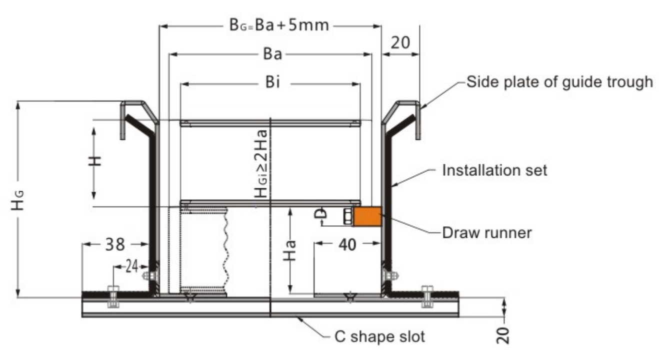
■ Zinc plated steel--for common use, economic

■ Stainless steel—used for outdoor or have corrosion resistance needs

Guide trough

Make sure guide trough set in horizontal base
Inner height of trough at least twice as high as outer width of chain: HGi≥2ha
Gap between trough inner side and chain is 5 mm: BGi=Ba+5





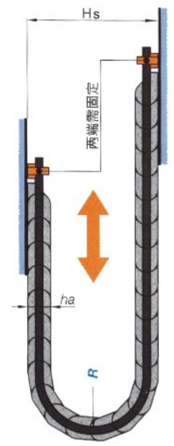
Free designing

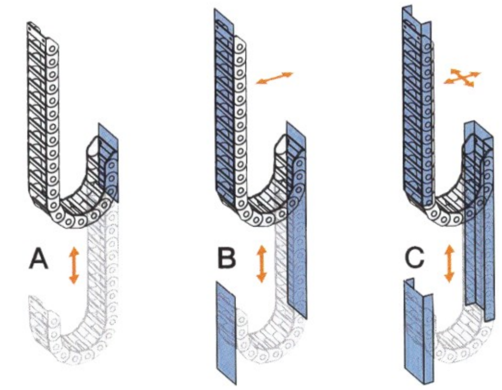
In long travel application, the chain project design is extremely important for chain operation and service life. Please consult POWET engineer when you have long travel application needs.
Rely on years of long travel cable chain design and implementation experience, POWET can offer you free design, drawing, cable chain code, pipeline arrangement, installation size and so forth, also, including after sale service like installation guideline, to make sure your cable chain system can operate smoothly and safely.

Vertical hanging/vertical standing

Vertical hanging

Cable chain travel in vertical direction and it is bending in downside position





Brackets

We recommend use fixed end as standard configuration for vertical application.
Fixed end can avoid vibration during cable chain's movement.

Support

■ **Non transverse acceleration**

If there have no transverse acceleration during vertical movement, normally don't need install transverse support.

■ **With transverse acceleration**

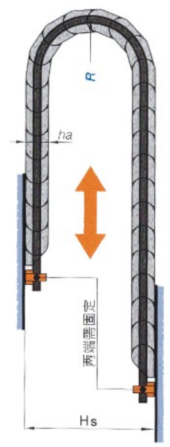
If there exist transverse acceleration, it must install transverse support. The support can layout in any necessary place, but it should install in most likely vibration part priority. Like picture C solution.

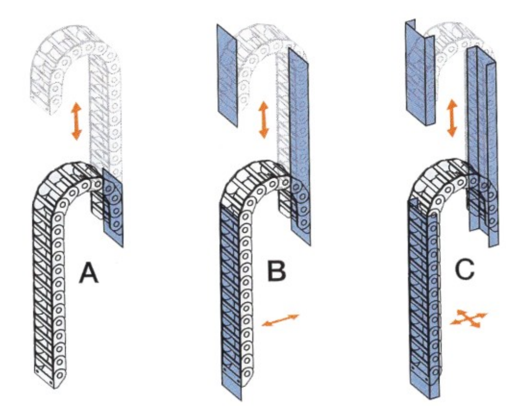
Common cable chain install space requirement: Hs=2R+ha+s
No strain relief cable chain install space requirement:
Hs=2R+ha+s=20 100mm(depends on chain model)

A: No support, suit for no transverse acceleration case
B: Plane support, use for with transverse acceleration as picture B show
C: U shape support, use for with transverse acceleration as picture C show

Vertical standing solution

Cable chain move in vertical direction and bending in upside position.





■ **Non transverse acceleration**

If three have no transverse acceleration during vertical movement, normally don't need install transverse support.

■ **With transverse acceleration**

If there exist transverse acceleration, it must install with transverse support.

Common cable chain install space requirement: Hs=2R+ha+s
No strain relief cable chain install space requirement:
Hs=2R+ha+s=20 100mm(depends on chain series)

A: No support, suit for no transverse acceleration case
B: Plane support, use for with transverse acceleration as picture B show
C: U shape support, use for with transverse acceleration as picture C show

帕尔特智能科技（苏州）有限公司
POWET INTELLIGENT TECHNOLOGY (SUZHOU) CO., LTD.

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Pipeline layout/optimize wiring

Multi-pipeline separate rule

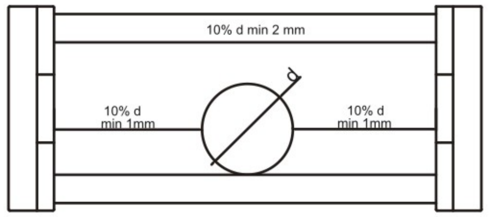
- 1.Different material and type pipe should separated by interior separator, avoiding stick to each other and intervene, for example separate cable, hydraulic tube and air pipe, and separate strong current and weak current wire.
- 2.If space permit, layout every cable and flexible conduit in sole separation room is best.
- 3.Two flat cable lay side by side must separate with vertical separator, when stack up must use horizontal separator. If there have both flat and round cable must install them in sole separated space.
- 4.When there has hydraulic tube inside, must reserve enough space considering the hydraulic tube diameter change during tube pressure change. Powet advise use vertical separator lock tube for avoiding abrasion and hydraulic tube's transverse movement during hydraulic pressure increase.

Gap between pipeline

Guarantee there have enough space around cable and flexible hose which can move freely.
Below are gap parameter for pipeline

- Round cable: 10% of outer cable diameter
- Flat cable: 10% of width + 10% of thickness
- Hydraulic tube: 20% of outer tube diameter
- Gas pipe: 5% to 10% of outer diameter

Notice: inside room fulfillment should exceed 80%



Gap around round cable diagram

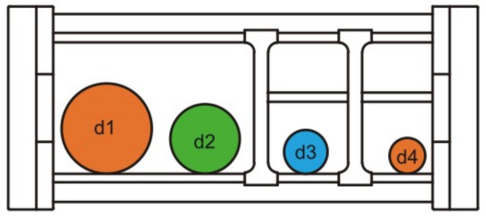
Principle of Multi-cable separation

Weight distribution

- When install energy chain in horizontal direction, make sure distribute cable and hose along the width base on weight balance rule. Otherwise, can increase abrasion in one side and enlarge link's hole shaft gap, thereby shorter cable chain system service life. Heavy pipe layout in two sides can help decrease chain strain relief.

- d1+d2>1.2hi
Side by side cables can don't use separator

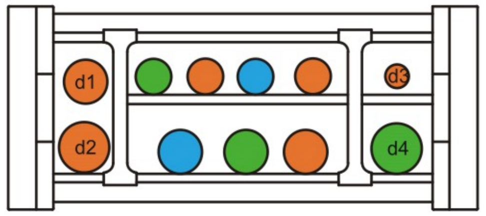
- d1+d2≤1.2hi
Side by side cable must use vertical separator, or use horizontal separator lower inner height to avoid wire twist with each other.



d1+d2>1.2hi d3+d4≤1.2hi

- d1>0.5d2
Stacked two cable can without using separator

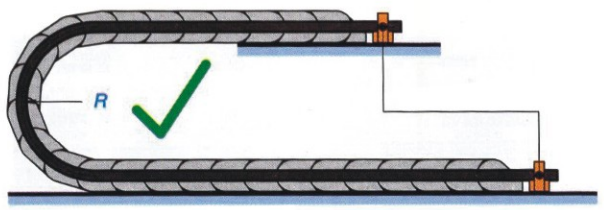
- d1≤0.5d2
Stacked two cable have to use separator



d1>0.5d2 d3≤0.5d4

Chain bending radius R

Cable chain bending radius must bigger than permitted minimum R of pipeline, normally R decide by biggest and hardest cable or hose. Cable chain's radius bigger than permitted minimum R of pipeline can extend service life.



Cable: R_{min}≈7.5-10Xd
Trachea: R_{min}≈10-12Xd
Hydraulic tube: R_{min}≈10-15Xd

Lateral application/Revolve

Lateral application/Revolve

Lateral rotation: The drag chain is mounted laterally and rotates in the horizontal direction.

The RBR(Reverse Bend Radius) cable drag chain can be rotated at a certain Angle along the outer or inner orbit, up to 540°. The chain can also rotate in the vertical direction. Depending on the application, you may need to configure the guide trough, please consult us.

RBR tow chain

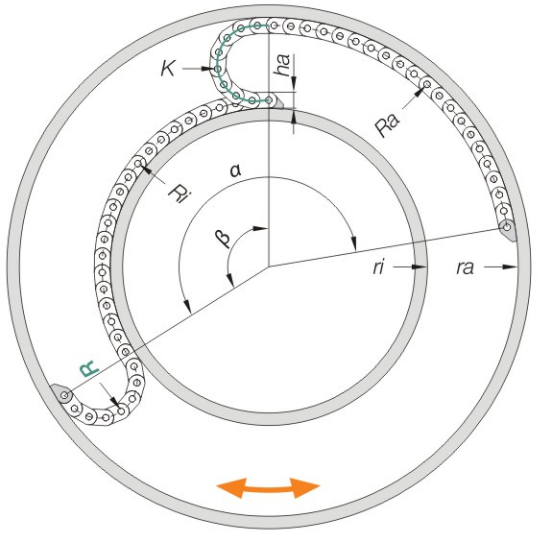
The RBR cable chain has two bending radii, standard and reverse, so it can bend in both directions. Except full enclosed cable chains, all POWET cable chains are available in RBR design. For example, the product code Ei25.77.R100/R300 means that the inner width of the Ei25 series drag chain is 77mm, the standard bending radius is 100mm, and the reverse bending radius is 300mm. The reverse bend radius of the RBR chain can be customized, but must not be less than the minimum standard bend radius of the selected chain series.

Cable chain length calculation

Base on inner radius

When $\beta = \alpha \cdot Ra / (Ri + Ra)$, the tow chain length is the shortest

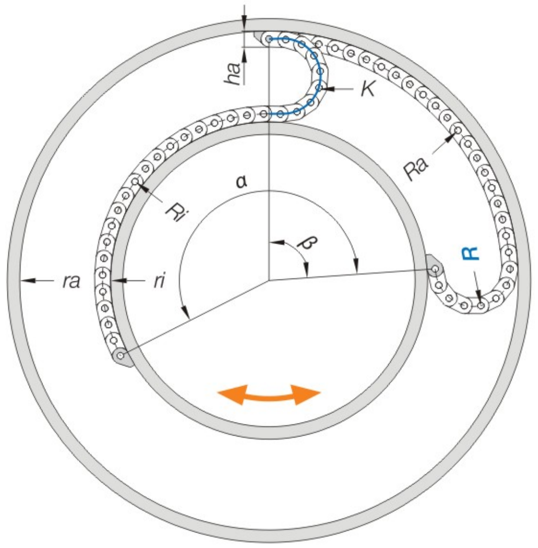
$$L_K = \pi \cdot (\beta / 180°) \cdot Ri + K$$



Base on outer radius

When $\beta = \alpha \cdot Ri / (Ri + Ra)$,the tow chain length is the shortest

$$L_K = \pi \cdot (\beta / 180°) \cdot Ra + K$$



Installed with guide trough, RBR cable chain can move more smoothly!

$$Ra = ra - 1/2 \cdot ha \qquad Ri = ri + 1/2 \cdot ha$$

L_K	=	Cable chain length	α	=	The rotation angle of the rotating machine element	β	=	Fixed end angle
Ra	=	RBR outer bending radius	Ri	=	PBR inner bending radius	ra	=	PBR inner bending radius
ri	=	Inner orbit radius	R	=	Bending radius	ha	=	Chain outer height
K	=	Add-on for bending radius						

The K value can be queried in the table for each chain series

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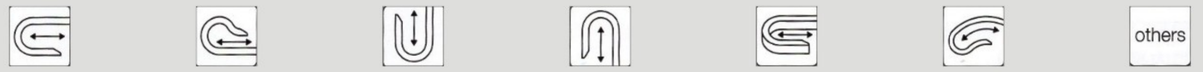
Cable chain model selection
Application analysis

Application summarize

Application type



Unsupported Application	Sliding Application	Vertical Hanging Application	Vertical Standing Application	Lateral Straight	Lateral Rotation	Other Application

Environmental factor

Indoor/outdoor ________ Temperature ________ [℃] Humidity________ [%]

Dust, Dirt, Debris, Chemical Substance ______________________ Other _______________________________

Dynamic parameter

Travel length_________ [m] Load ___________ [kg/m] Speed _________ [m/s]

Acceleration_______ [m/s2] Circulation/day ___________ Working day/year ___________

Installation room

Installation height __________ [mm] Installation width ____________ [mm] Bending radius __________ [mm]

Offset from fixed end to travel center ______________ [mm] Installation position _____________________

Parameter of cable/pipeline

Part no.	Type of cable	Qty	Outer diameter [mm]	Weight [mm]	Min bending radius [mm]

More requirement

- ☐ Bridge cable chain
- ☐ Bending radius
- ☐ Strain relief parts
- ☐ Open along outside radius
- ☐ Separator
- ☐ Closed cable chain
- ☐ Fixed end
- ☐ Openable in two side
- ☐ Open along inside radius
- ☐ Guide trough

Other special requirement ____

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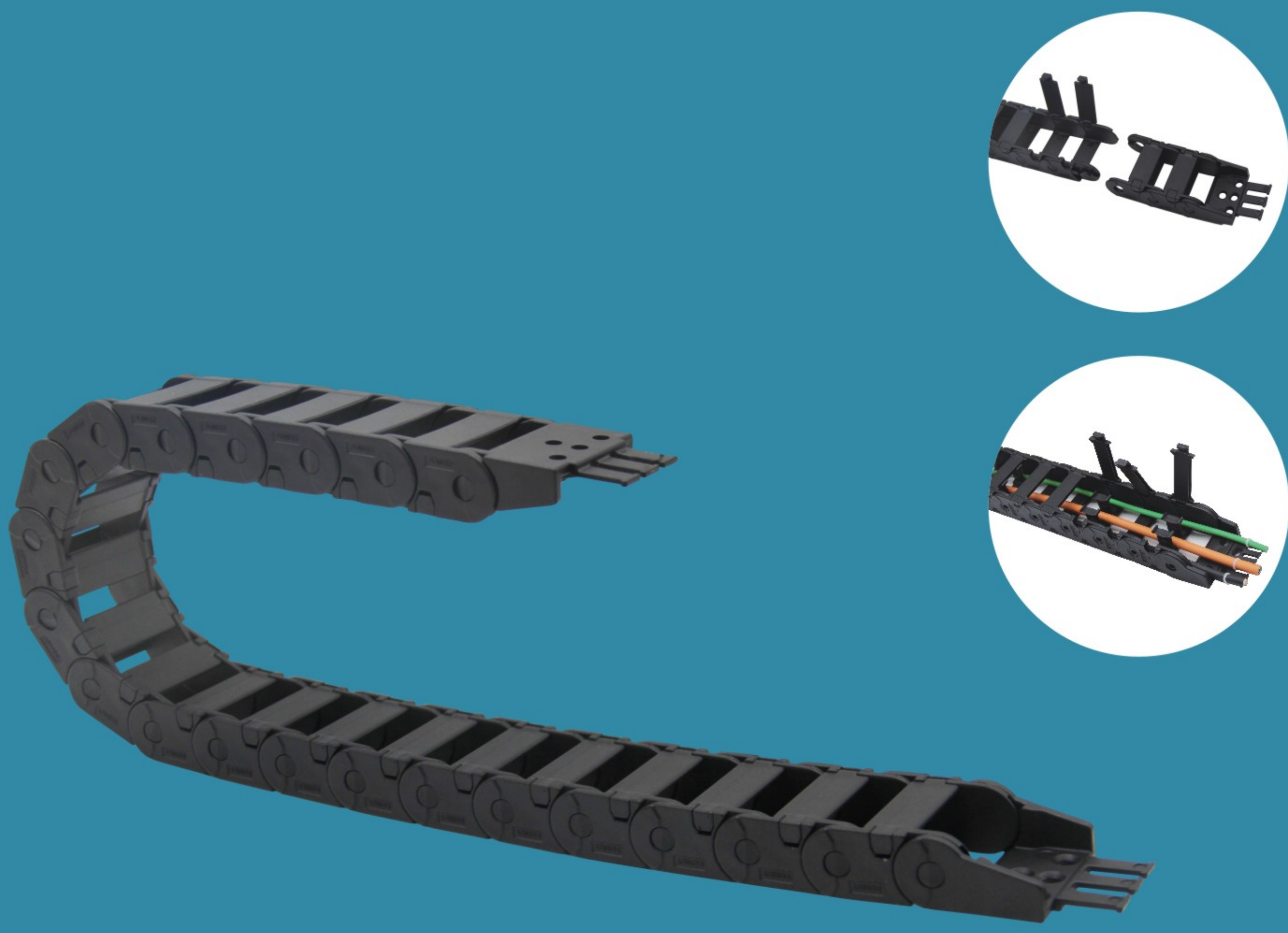
MINI CHAIN

Easy to disassemble and install



Series No.	Inner height <hi>	Outer height <H>	Inner width <Bi >	Outer width <Ba>	Bending radius <R>	Pitch <p>	Page
	mm	mm	mm	mm	mm	mm	
E06	6	9	5-10	9-14	10-15	10	16
E07	7	10	7-16	12-21	15-28	10	19
E10	10	13	10-20	17-27	18-38	13	22
E15	15	19	15-50	26-61	28-75	25	25
E18	18	23	18-50	30-62	28-75	30.3	28

E06 SERIES

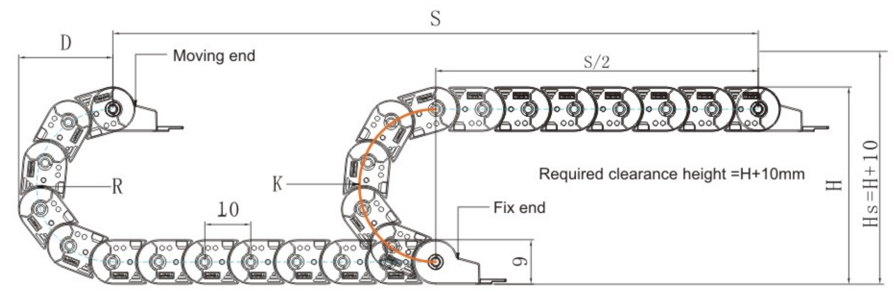
OVERVIEW

Pitch per link <P>: 10mm
Inner height <hi>: 06mm
Inner width <Bi>: 05-10mm
Links per meter = 100 links (1000mm)

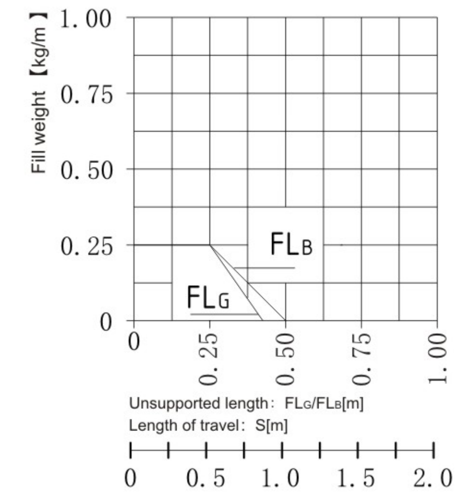
E06-not open-able

- Two sides crossbar can't open
- Not suit for sliding application

Unsupported application short travel $L_K = S/2 + K$



Unsupported—load diagram



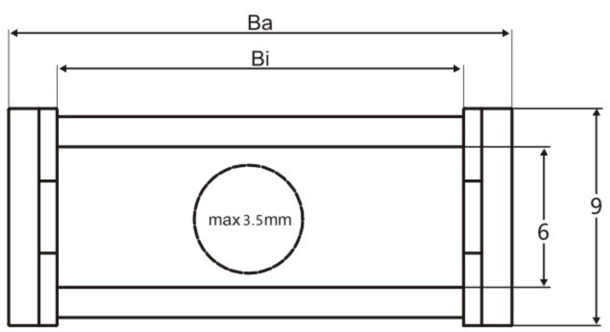
R	H	Hs	D	K	H_1	D_1	K_1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
10	29	39	45	100	-	-	-	-	-
12	33	43	55	140	-	-	-	-	-
15	39	49	65	160	-	-	-	-	-

Technical parameter

Unsupported length	≤0.4m	Speed/acceleration FL_G	≤10[m/s]/50[m/s²]
Gliding length	-	Speed/acceleration FLa	-
Vertical hanging	-	Gliding speed/acceleration	-
Vertical standing up	-	Permitted temperature	-40℃~120℃
Side unsupported	≤0.5m	Retardant grade	Ul94 HB

E06 SERIES
SPECIFICATION

Cable Chain Part No.	Bi	Ba	R						
	mm	mm	mm	mm	mm	mm	mm	mm	mm
* E06.05.R	05	09	10	12	15	-	-	-	-
* E06.07.R	07	11	10	12	15	-	-	-	-
* E06.10.R	10	14	10	12	15	-	-	-	-



Cable chain order example

E06	.	10	.	R18	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain

More advice please consult POWET

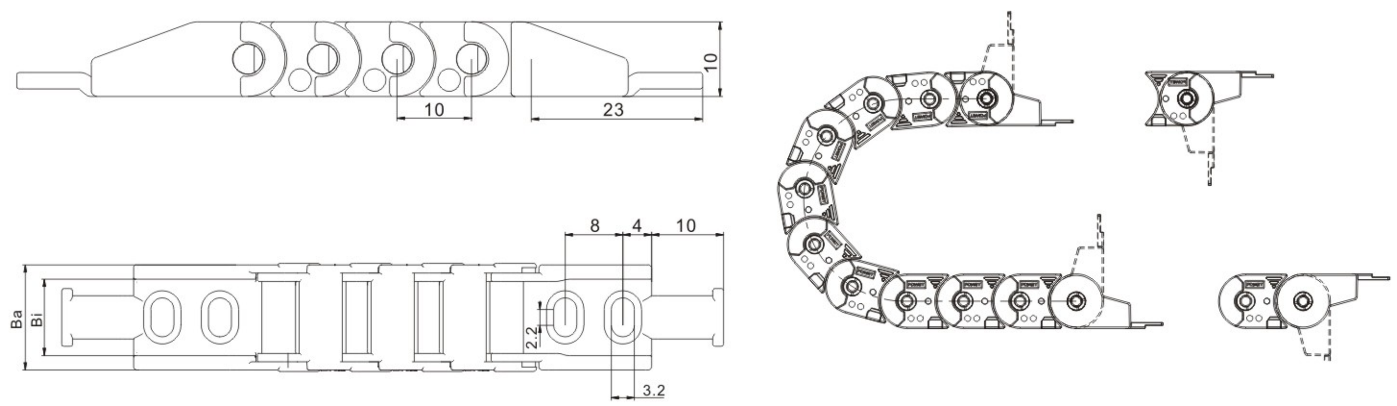
Default installation method: A1

E06 SERIES
BRACKETS

Brackets

- Use for E06 series
- Can be fixed from the bottom, top 2 positions
- Including two types, fixed end and moving end

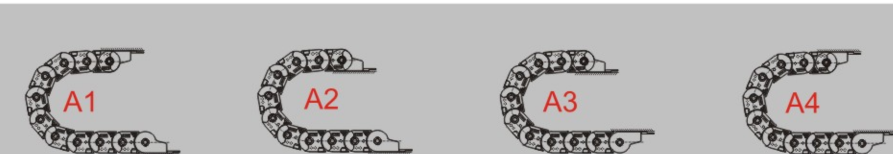
Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application



Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B	Tirewrap Plate Slots
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)	
05	E060.05.A	E060.05.A.Z	E061.05.A	E061.05.A.Z	8	-	-
07	E060.07.A	E060.07.A.Z	E061.07.A	E061.07.A.Z	8	-	-
10	E060.10.A	E060.10.A.Z	E061.10.A	E061.10.A.Z	8	-	-

Bracket order example

E060	.	10	.	A1	.	Z
Seires. Model		Inner Width Bi		Installation Style		With Tirewrap



More advice please consult POWET

Default installation method: A1

POWET
拖链系统 CABLE-CHAIN SYSTEM

E07 SERIES

OVERVIEW

Pitch per link <P>: 10mm

Inner height <hi>: 07mm

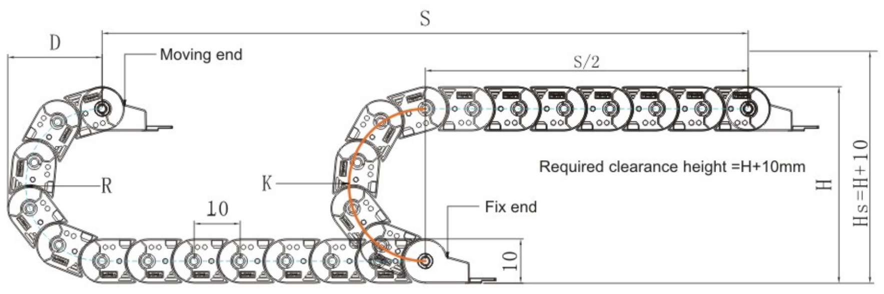
Inner width <Bi>: 07-200mm

Links per meter = 100 links (1000mm)

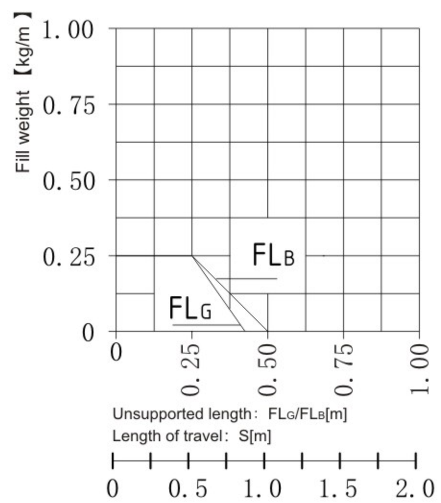
E07-Not Open-able

- Two sides crossbar can't open
- Not suit for sliding application

Unsupported application short travel $L_K = S/2 + K$



Unsupported—load diagram



R	H	Hs	D	K	H1	D1	K1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
15	40	50	40	75	-	-	-	-	-
18	46	56	43	80	-	-	-	-	-
28	66	76	53	110	-	-	-	-	-

Technical parameter

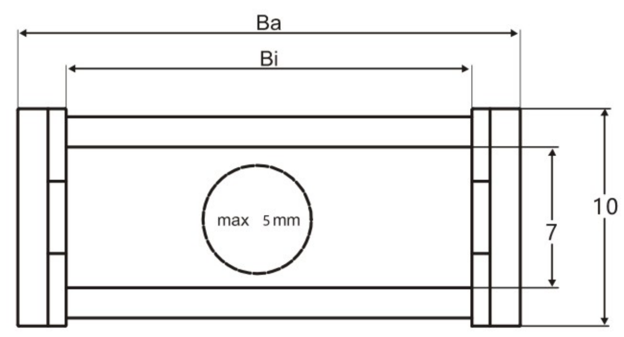
Unsupported length	≤0.4m
Gliding length	-
Vertical hanging	-
Vertical standing up	-
Side unsupported	≤0.5m

Speed/acceleration FLG	≤10[m/s]/50[m/s²]
Speed/acceleration FLa	-
Gliding speed/acceleration	-
Permitted temperature	-40℃~120℃
Retardant grade	UI94 HB

E07 SERIES

SPECIFICATION

Cable Chain Part No.	Bi	Ba	R						
	mm	mm	mm	mm	mm	mm	mm	mm	mm
E07.07.R	07	12	15	18	28	-	-	-	-
E07.10.R	10	15	15	18	28	-	-	-	-
E07.16.R	16	21	15	18	28	-	-	-	-



Cable chain order example

E07	.	10	.	R18	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain

More advice please consult POWET

Default installation method: A1

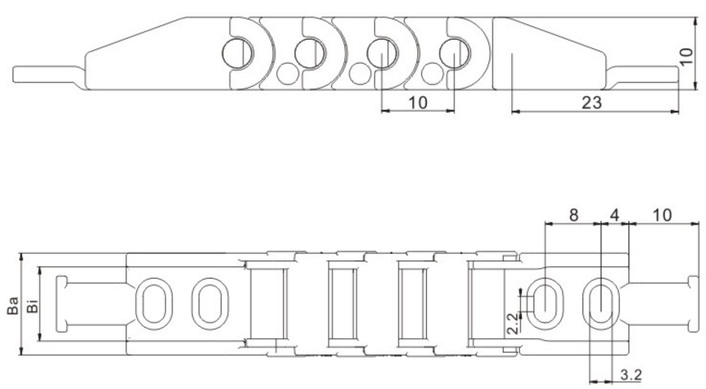
POWET
拖链系统 CABLE-CHAIN SYSTEM

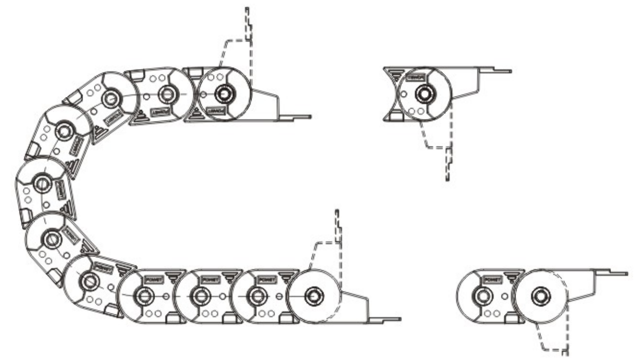
E07 SERIES
BRACKETS

Brackets

- Use for E07 series
- Can be fixed from the bottom, top 2 positions
- Including two types, fixed end and moving end

Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application





Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B	Tirewrap Plate Slots
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)	
07	E070.07.A	E070.07.A.Z	E071.07.A	E071.07.A.Z	8	-	-
10	E070.10.A	E070.10.A.Z	E071.10.A	E071.10.A.Z	8	-	-
16	E070.16.A	E070.16.A.Z	E071.16.A	E071.16.A.Z	8	-	-

Bracket order example

E070 . 10 . A1 . Z

Seires. Model | Inner Width Bi | Installation Style | With Tirewrap

More advice please consult POWET

Default installation method：A1

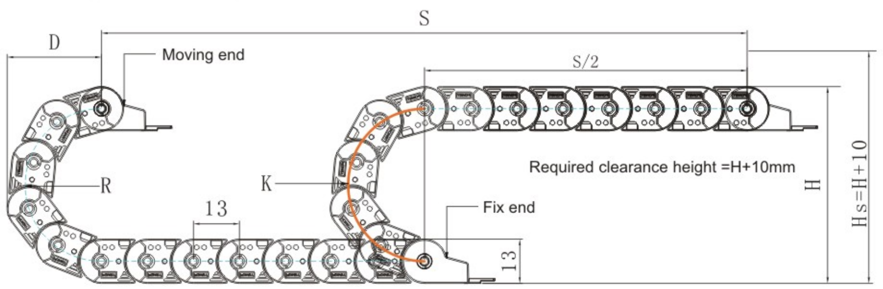
E10 SERIES
OVERVIEW

Pitch per link <P>：13mm
Inner height <hi>：10mm
Inner width <Bi>：10-20mm
Links per meter = 77 links（1000mm)

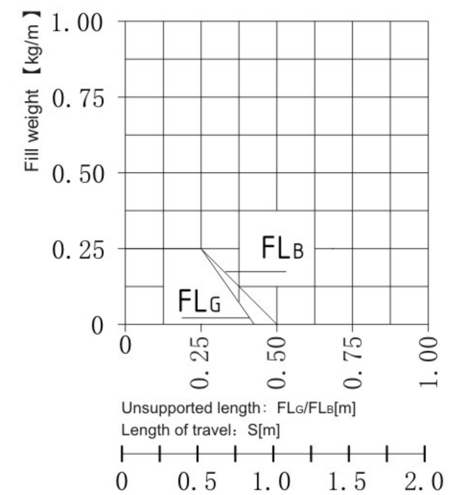
E10-Openable

- Can open along outer radius
- Not suit for sliding application

Unsupported application short travel $L_K=S/2+K$



Unsupported—load diagram



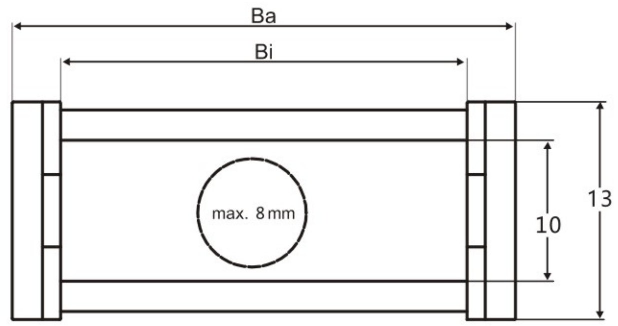
R	H	Hs	D	K	H_1	D_1	K_1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
18	49	59	45	85	-	-	-	-	-
28	69	79	55	115	-	-	-	-	-
38	89	99	65	150	-	-	-	-	-

Technical parameter

Unsupported length	≤0.5m	Speed/acceleration FL_G	≤10[m/s]/50[m/s²]
Gliding length	-	Speed/acceleration FLa	-
Vertical hanging	-	Gliding speed/acceleration	-
Vertical standing up	-	Permitted temperature	-40℃~120℃
Side unsupported	≤0.5m	Retardant grade	UI94 HB

E10 SERIES
SPECIFICATION

Cable Chain Part No.	Bi	Ba	R						
	mm	mm	mm	mm	mm	mm	mm	mm	mm
E10.10.R	10	16	18	28	38	-	-	-	-
E10.15.R	15	21	18	28	38	-	-	-	-
E10.20.R	20	26	18	28	38	-	-	-	-



Cable chain order example

E10 . 10 . R18 — L1000

Seires. Model | Inner Width Bi | Bending Radius R | Length Of Cable Chain

More advice please consult POWET

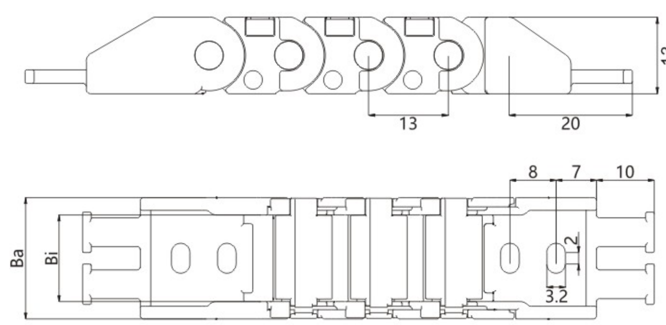
Default installation method: A1

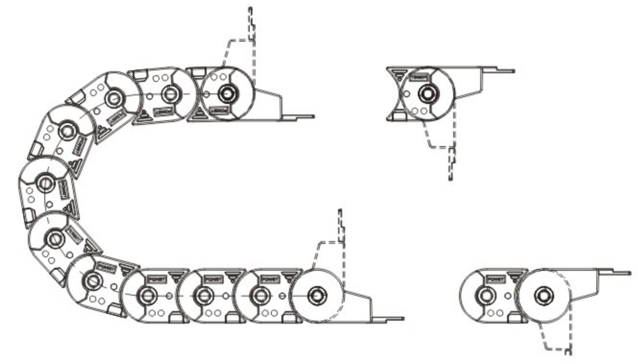
E10 SERIES
BRACKETS

Brackets

- Use for E10 series
- Can be fixed from the bottom, top 2 positions
- Including two types, fixed end and moving end

Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application





Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B	Tirewrap Plate Slots
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)	
10	E100.10.A	E100.10.A.Z	E101.10.A	E101.10.A.Z	8	-	-
15	E100.15.A	E100.15.A.Z	E101.15.A	E101.15.A.Z	8	-	-
20	E100.20.A	E100.20.A.Z	E101.20.A	E101.20.A.Z	8	-	-

Bracket order example

E100 . 10 . A1 . Z

Seires. Model | Inner Width Bi | Installation Style | With Tirewrap

More advice please consult POWET

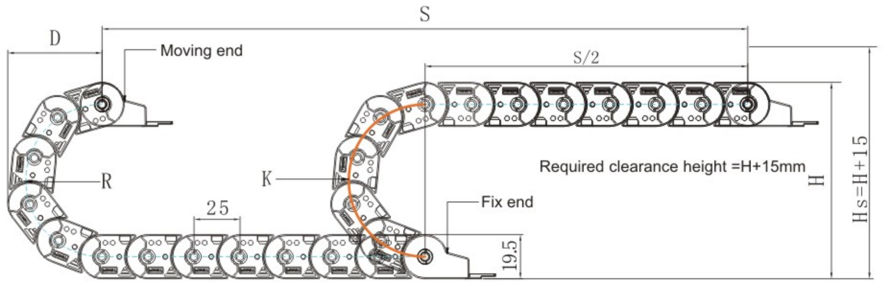
Default installation method: A1

POWET
拖链系统 CABLE-CHAIN SYSTEM

E15 SERIES
OVERVIEW

Pitch per link <P>: 25mm
Inner height <hi>: 15mm
Inner width <Bi>: 15-50mm
Links per meter = 40 links (1000mm)

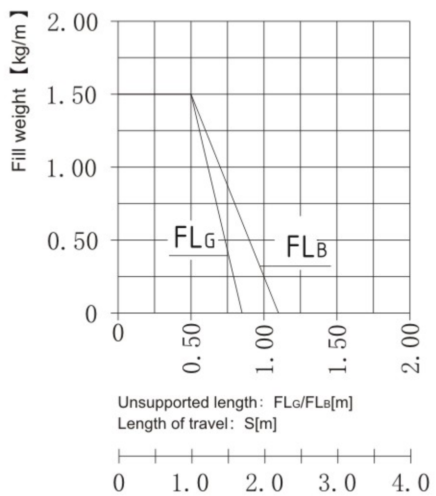
Unsupported application short travel $L_K=S/2+K$



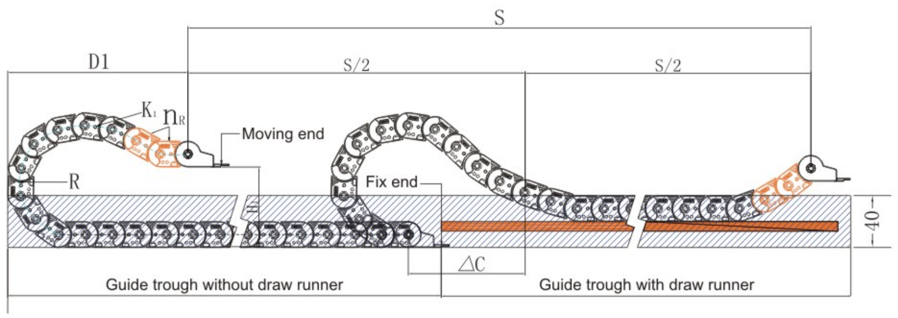
E15-Bridge Type Openable

- Open along inner radius
- Suit for gliding application

Unsupported—load diagram



Gliding application long travel $L_K=S/2+K_1$



R	H	Hs	D	K	H1	D1	K1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
28	76	91	70	140	56	70	130	—	—
38	96	111	80	170	60	130	220	50	2
48	116	131	90	200	60	180	300	100	3
75	170	185	120	285	60	260	450	150	4

Technical parameter

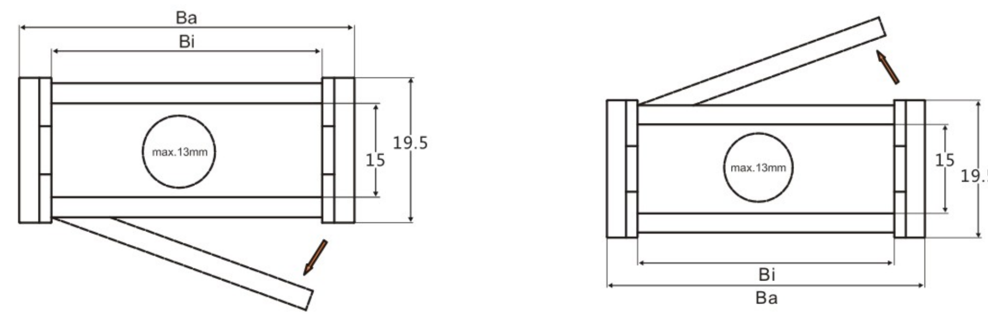
Unsupported length	≤1.3m
Gliding length	≤60m
Vertical hanging	≤20m
Vertical standing up	≤1.5m
Side unsupported	≤0.6m

Speed/acceleration FL_G	≤10[m/s]/50[m/s²]
Speed/acceleration FLa	≤3[m/s]/6[m/s²]
Gliding speed/acceleration	≤4[m/s]/20[m/s²]
Permitted temperature	-40℃~120℃
Retardant grade	Ul94 HB

E15 SERIES
SPECIFICATION

E15-Open Along Inner Radius

Cable Chain Part No.	Bi	Ba	R						
	mm	mm	mm	mm	mm	mm	mm	mm	mm
E15.15.R	15	26	28	38	48	75	-	-	-
E15.20.R	20	31	28	38	48	75	-	-	-
E15.25.R	25	36	28	38	48	75	-	-	-
E15.30.R	30	41	28	38	48	75	-	-	-
E15.40.R	40	51	28	38	48	75	-	-	-
E15.50.R	50	61	28	38	48	75	-	-	-



Eu15-Open Along Outer Radius

Cable Chain Part No.	Bi	Ba	R						
	mm	mm	mm	mm	mm	mm	mm	mm	mm
Eu15.15.R	15	26	28	38	48	75	-	-	-
Eu15.20.R	20	31	28	38	48	75	-	-	-
Eu15.25.R	25	36	28	38	48	75	-	-	-
Eu15.30.R	30	41	28	38	48	75	-	-	-
Eu15.40.R	40	51	28	38	48	75	-	-	-
Eu15.50.R	50	61	28	38	48	75	-	-	-

Vertical separator E15.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar

Cable chain order example

E15	·	15	·	R28	—	L1000	— Inner Open Way
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain	
Eu15	·	15	·	R28	—	L1000	— Outer Open Way
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain	

More advice please consult POWET

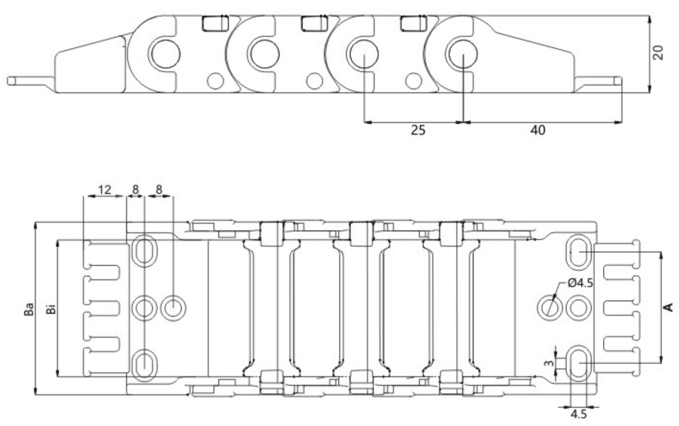
Default installation method: A1

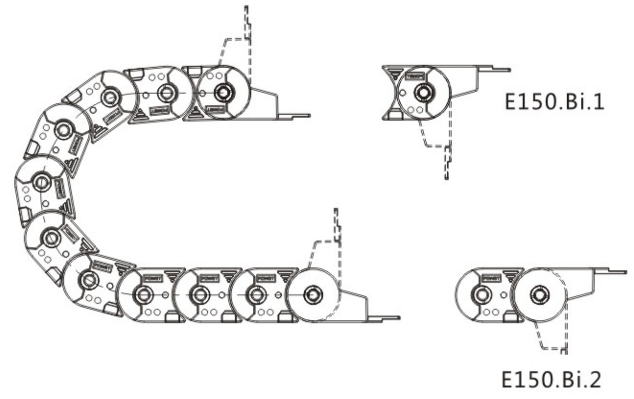
E15 SERIES
BRACKETS

Brackets

- Use for E15 series
- Can be fixed from the bottom, top 2 positions
- Including two types, fixed end and moving end

Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application

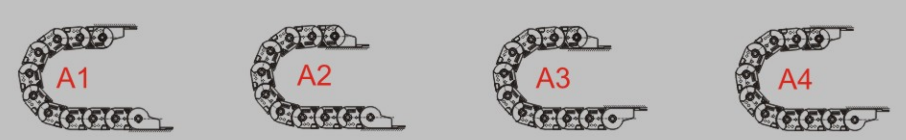




Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B	Tirewrap Plate Slots
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)	
15	E150.15.A	E150.15.A.Z	E151.15.A	E151.15.A.Z	-	8	2
20	E150.20.A	E150.20.A.Z	E151.20.A	E151.20.A.Z	12	8	2
25	E150.25.A	E150.25.A.Z	E151.25.A	E151.25.A.Z	17	8	2
30	E150.30.A	E150.30.A.Z	E151.30.A	E151.30.A.Z	22	8	3
40	E150.40.A	E150.40.A.Z	E151.40.A	E151.40.A.Z	32	8	4
50	E150.50.A	E150.50.A.Z	E151.50.A	E151.50.A.Z	42	8	5

Bracket order example

E150	.	15	.	A1	.	Z
Seires. Model		Inner Width Bi		Installation Style		With Tirewrap



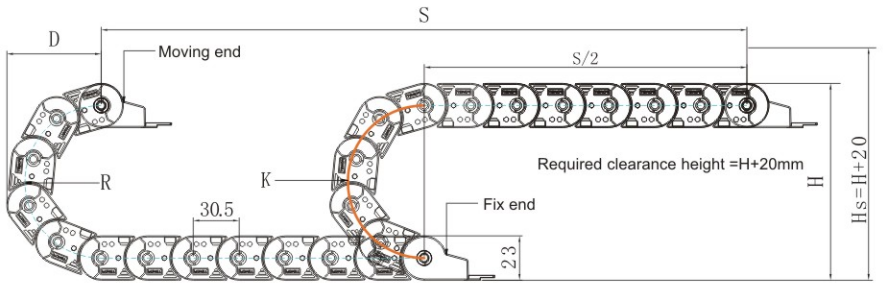
More advice please consult POWET

Default installation method：A1

E18 SERIES
OVERVIEW

Pitch per link <P>：30.5mm
Inner height <hi>：18mm
Inner width <Bi>：18-50mm
Links per meter = 33 links（1006.5mm)

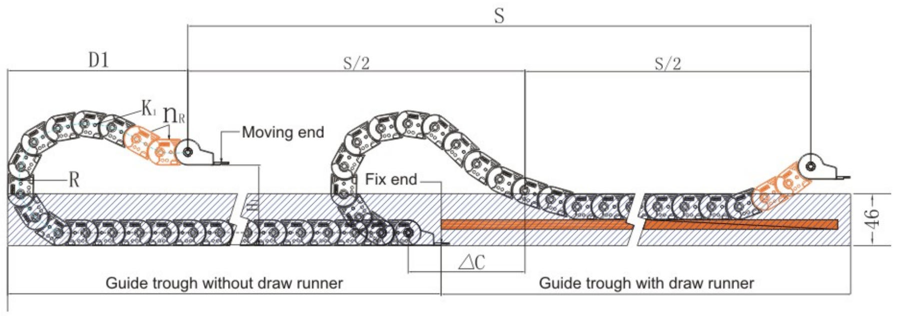
Unsupported application short travel $L_K=S/2+K$



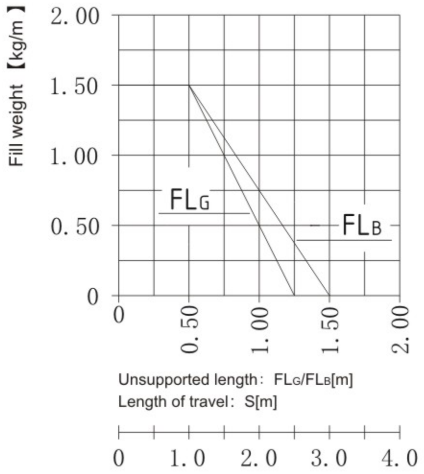
E18-Bridge Type inner/outer openable

- Open along inner or outer radius
- Suit for gliding application

Gliding application long travel $L_K=S/2+K_1$



Unsupported—load diagram



R	H	Hs	D	K	H_1	D_1	K_1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
28	79	99	85	150	56	85	150	-	-
38	99	119	95	185	76	120	185	-	-
48	119	139	105	215	70	165	275	70	2
75	173	193	132	300	70	270	460	150	3
100	223	243	157	380	70	385	640	235	3

Technical parameter

Unsupported length	≤1.5m
Gliding length	≤60m
Vertical hanging	≤20m
Vertical standing up	≤1.5m
Side unsupported	≤0.6m

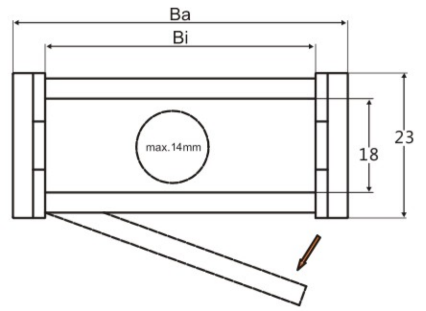
Speed/acceleration FLG	≤10[m/s]/50[m/s²]
Speed/acceleration FLa	≤3[m/s]/6[m/s²]
Gliding speed/acceleration	≤4[m/s]/20[m/s²]
Permitted temperature	-40℃~120℃
Retardant grade	UI94 HB

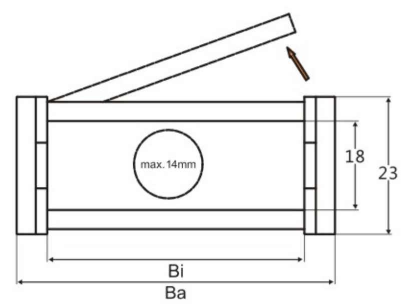
POWET®
拖链系统 CABLE-CHAIN SYSTEM

E18 SERIES
SPECIFICATION

E18-Open Along Inner Radius

Cable Chain Part No.	Bi	Ba	R						
	mm	mm	mm	mm	mm	mm	mm	mm	mm
E18.18.R	18	30	28	38	48	75	-	-	-
E18.25.R	25	38	28	38	48	75	-	-	
E18.40.R	40	50	28	38	48	75	-	-	-
E18.50.R	50	62	28	38	48	75	-	-	-





Eu18-Open Along Outer Radius

Cable Chain Part No.	Bi	Ba	R						
	mm	mm	mm	mm	mm	mm	mm	mm	mm
Eu18.18.R	18	30	28	38	48	75	-	-	-
Eu18.25.R	25	38	28	38	48	75	-	-	
Eu18.40.R	40	50	28	38	48	75	-	-	-
Eu18.50.R	50	62	28	38	48	75	-	-	-

Vertical separator E18.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar

Cable chain order example

E18	•	18	•	R28	—	L1000	— Inner Open Way
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain	
Eu18	•	18	•	R28	—	L1000	— Outer Open Way
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain	

More advice please consult POWET

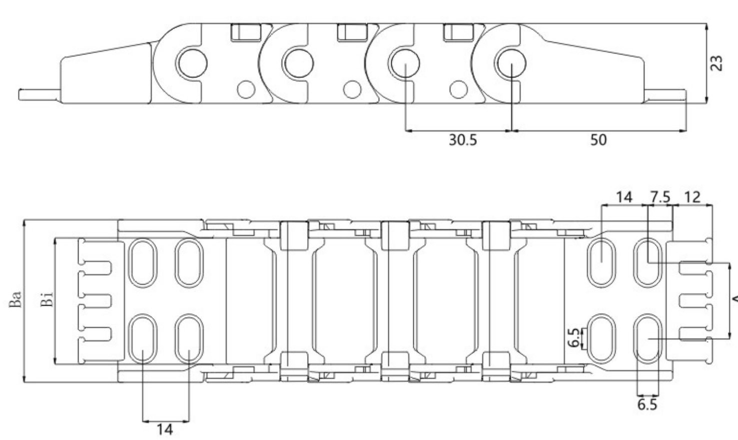
Default installation method：A1

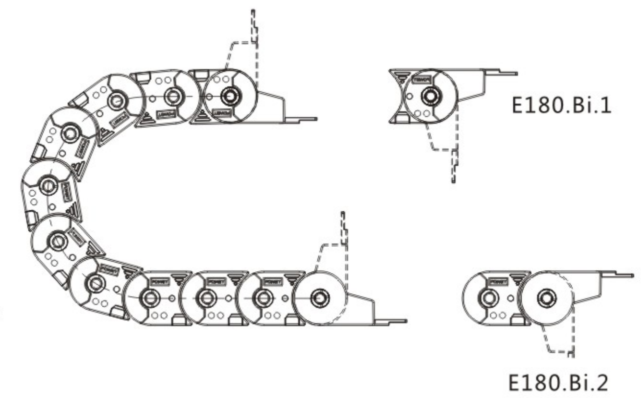
E18 SERIES
BRACKETS

Brackets

- Use for E18 series
- Can be fixed from the bottom, top 2 positions
- Including two types, fixed end and moving end

Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application

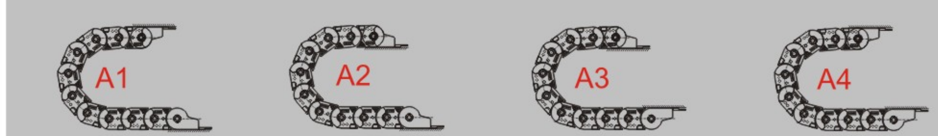




Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B	Tirewrap Plate Slots
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)	
18	E180.18.A	E180.18.A.Z	E181.18.A	E181.18.A.Z	-	14	2
25	E180.25.A	E180.25.A.Z	E181.25.A	E181.25.A.Z	16	14	3
40	E180.40.A	E180.40.A.Z	E181.40.A	E181.40.A.Z	23	14	4
50	E180.50.A	E180.50.A.Z	E181.50.A	E181.50.A.Z	35	14	5

Bracket order example

E180	•	25	•	A1	•	Z
Seires. Model		Inner Width Bi		Installation Style		With Tirewrap



More advice please consult POWET

Default installation method：A1

POWET®

LIGHTWEIGHT CABLE CHAIN

lightweight, efficient and easy to install

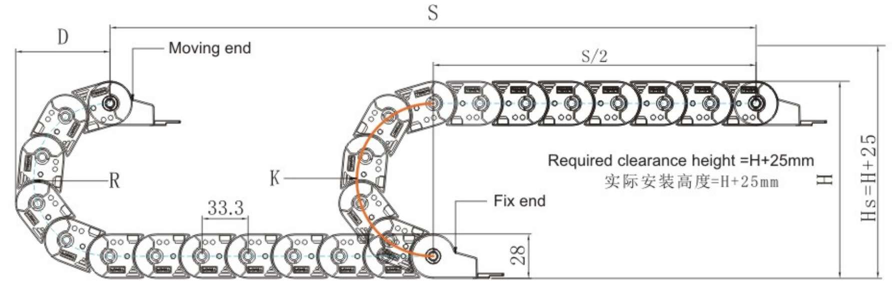
Series No.	Inner height <hi>	Outer height <H>	Inner width <Bi >	Outer width <Ba>	Bending radius <R>	Pitch <p>	Page
	mm	mm	mm	mm	mm	mm	
Open along inner radius							
Ei21	21	28	15-125	28-138	35-180	33.3	32
Ei25	25	38	25-125	41-141	55-250	46	35
Ei35	35	54	50-125	66-145	63-300	56	39
Ei45	45	64	50-150	72-172	75-300	67	43
Open along outer radius							
Eu21	21	28	15-125	28-138	35-180	33.3	32
Eu25	25	38	25-125	41-141	55-250	46	35
Eu35	35	54	50-125	66-145	63-300	56	39
Eu45	45	64	50-150	72-172	75-300	67	43

E21 SERIES

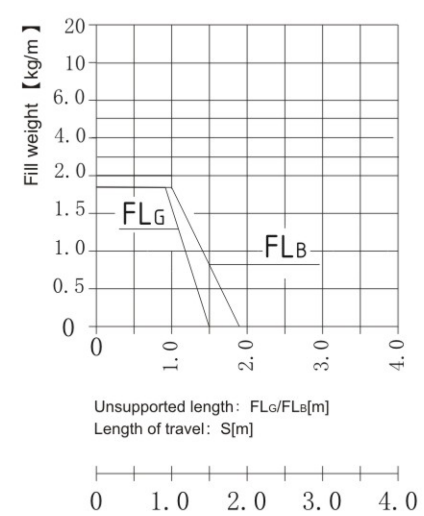
OVERVIEW

Pitch per link <P>: 33.3mm
Inner height <hi>: 21mm
Inner width <Bi>: 15-125mm
Links per meter = 30 links (999mm)

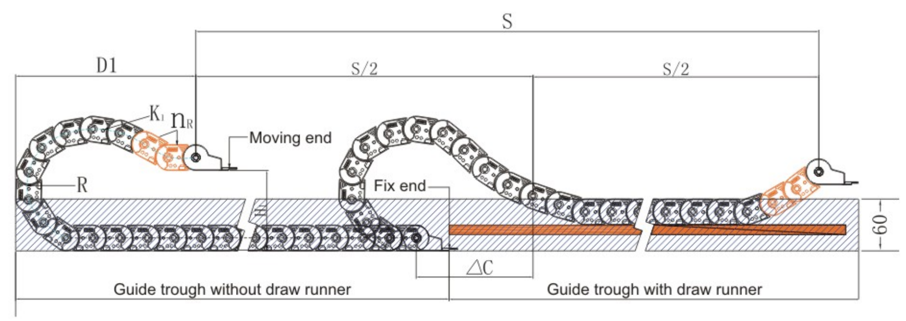
Unsupported application short travel $L_K=S/2+K$



Unsupported—load diagram



Gliding application long travel $L_K=S/2+K_1$



R	H	Hs	D	K	H1	D1	K1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
35	98	123	99	180	70	99	180	–	–
38	104	129	102	190	76	102	190	–	–
48	124	149	112	220	96	112	220	–	–
75	178	203	139	305	84	280	430	150	2
100	228	253	164	385	84	350	600	200	3
125	278	303	189	460	84	510	800	335	3
145	318	353	209	530	84	620	940	420	3
180	388	413	244	635	84	770	1235	540	4

Technical parameter

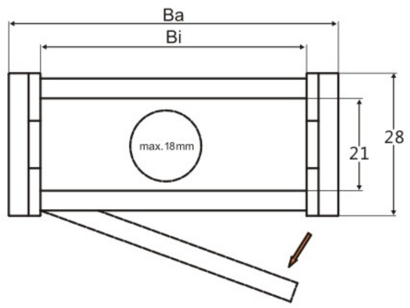
Unsupported length	≤1.75m
Gliding length	≤75m
Vertical hanging	≤20m
Vertical standing up	≤2.0m
Side unsupported	≤0.7m

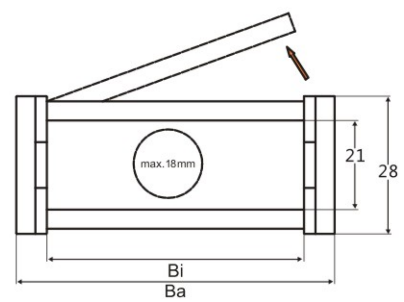
Speed/acceleration FL_G	≤10[m/s]/50[m/s²]
Speed/acceleration FL_a	≤3[m/s]/6[m/s²]
Gliding speed/acceleration	≤4[m/s]/20[m/s²]
Permitted temperature	-40℃~120℃
Retardant grade	Ul94 HB

E21 SERIES
SPECIFICATION

Eu21-Open Along Outer Radius

Cable Chain Part No.	Bi	Ba	R							
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Eu21.15.R	15	28	35	38	48	75	100	125	145	180
Eu21.20.R	20	33	35	38	48	75	100	125	145	180
Eu21.25.R	25	38	35	38	48	75	100	125	145	180
Eu21.38.R	38	51	35	38	48	75	100	125	145	180
Eu21.50.R	50	63	35	38	48	75	100	125	145	180
Eu21.68.R	68	81	35	38	48	75	100	125	145	180
Eu21.80.R	80	93	35	38	48	75	100	125	145	180
Eu21.100.R	100	113	35	38	48	75	100	125	145	180
Eu21.125.R	125	138	35	38	48	75	100	125	145	180





Ei21-Open Along Inner Radius

Cable Chain Part No.	Bi	Ba	R							
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Ei21.15.R	15	28	35	38	48	75	100	125	145	180
Ei21.20.R	20	33	35	38	48	75	100	125	145	180
Ei21.25.R	25	38	35	38	48	75	100	125	145	180
Ei21.38.R	38	51	35	38	48	75	100	125	145	180
Ei21.50.R	50	63	35	38	48	75	100	125	145	180
Ei21.68.R	68	81	35	38	48	75	100	125	145	180
Ei21.80.R	80	93	35	38	48	75	100	125	145	180
Ei21.100.R	100	113	35	38	48	75	100	125	145	180
Ei21.125.R	125	138	35	38	48	75	100	125	145	180

Vertical separator E21.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar

Horizontal separator

Order example：EH21-L

Cable chain order example

Eu21	.	38	.	R38	—	L1000	— Outer Open Way
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain	
Ei21	.	38	.	R38	—	L1000	— Inner Open Way
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain	

More advice please consult POWET

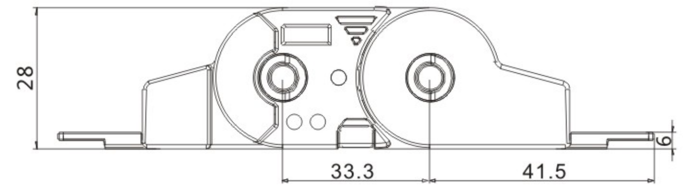
Default installation method：A1

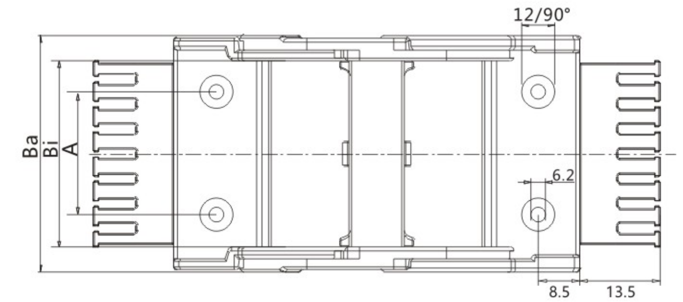
E21 SERIES
BRACKETS

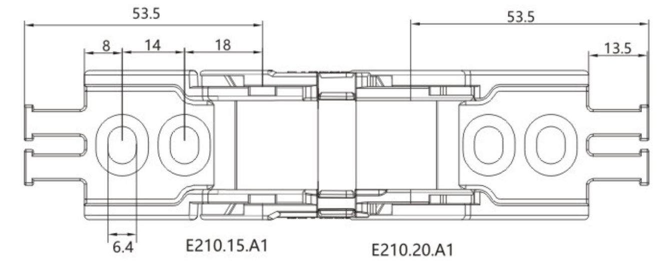
Brackets

- Use for E21 series
- Can be fixed from the bottom, top 2 positions
- Including two types, fixed end and moving end

Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application



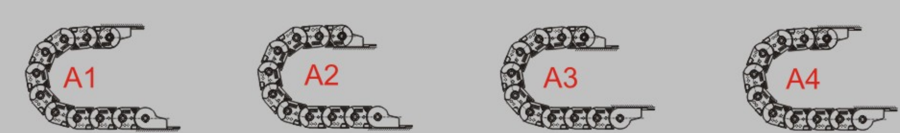




Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B	Tirewrap Plate Slots
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)	
15	E210.15.A	E210.15.A.Z	E211.15.A	E211.15.A.Z	-	-	2
20	E210.20.A	E210.20.A.Z	E211.20.A	E211.20.A.Z	-	-	2
25	E210.25.A	E210.25.A.Z	E211.25.A	E211.25.A.Z	13	-	2
38	E210.38.A	E210.38.A.Z	E211.38.A	E211.38.A.Z	24	-	3
50	E210.50.A	E210.50.A.Z	E211.50.A	E211.50.A.Z	36	-	5
68	E210.68.A	E210.68.A.Z	E211.68.A	E211.68.A.Z	54	-	7
80	E210.80.A	E210.80.A.Z	E211.80.A	E211.80.A.Z	66	-	8
100	E210.100.A	E210.100.A.Z	E211.100.A	E211.100.A.Z	86	-	10
125	E210.125.A	E210.125.A.Z	E211.125.A	E211.125.A.Z	111	-	13

Bracket order example

E210	.	38	.	A1	.	Z
Seires. Model		Inner Width Bi		Installation Style		With Tirewrap



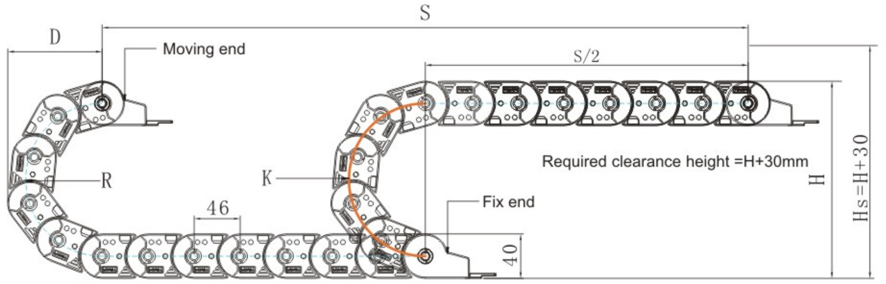
More advice please consult POWET

Default installation method：A1

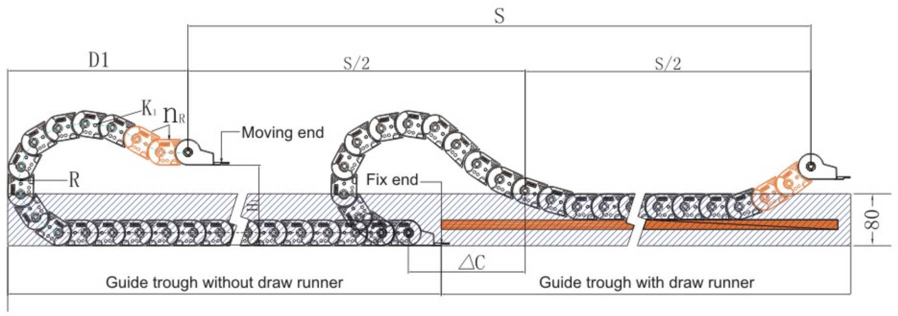
E25 SERIES
OVERVIEW

Pitch per link <P>: 46mm
Inner height <hi>: 25mm
Inner width <Bi>: 25-125mm
Links per meter = 22 links (1012mm)

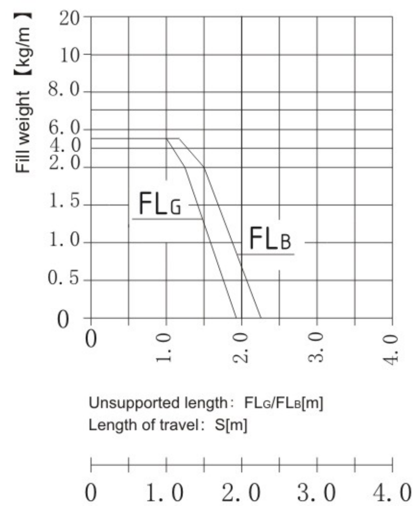
Unsupported application short travel $L_K=S/2+K$



Gliding application long travel $L_K=S/2+K_1$



Unsupported—load diagram



R	H	Hs	D	K	H1	D1	K1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
55	150	180	142	265	110	142	265	-	-
75	190	220	162	330	100	260	414	115	2
100	240	270	187	410	100	380	644	204	2
125	290	320	212	485	100	440	736	244	3
150	340	370	237	565	100	590	1012	364	3
175	390	420	262	645	100	755	1242	504	3
200	440	470	287	725	100	950	1472	674	4
225	490	520	312	800	100	1040	1610	754	4
250	540	570	337	880	100	1130	1794	804	4

Technical parameter

Unsupported length	≤2.3m
Gliding length	≤100m
Vertical hanging	≤40m
Vertical standing up	≤3.0m
Side unsupported	≤1.0m

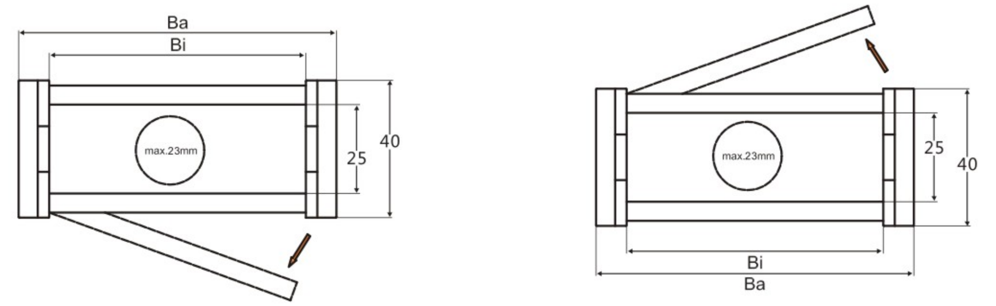
Speed/acceleration FLG	≤10[m/s]/ 50 [m/s²]
Speed/acceleration FLa	≤3[m/s]/6[m/s²]
Gliding speed/acceleration	≤ 4 [m/s]/25[m/s²]
Permitted temperature	-40℃~120℃
Retardant grade	Ul94 HB

E25 SERIES
SPECIFICATION

Ei25-Open Along Inner Radius

Scarfing brackets and square brackets both available for E25

Cable Chain Part No.	Bi	Ba	R							
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Ei25.25.R	25	41	55	75	100	125	150	175	200	225
Ei25.38.R	38	54	55	75	100	125	150	175	200	225
Ei25.57.R	57	73	55	75	100	125	150	175	200	225
Ei25.77.R	77	93	55	75	100	125	150	175	200	225
Ei25.89.R	89	105	55	75	100	125	150	175	200	225
Ei25.103.R	103	119	55	75	100	125	150	175	200	225
Ei25.125.R	125	141	55	75	100	125	150	175	200	225



Eu25-Open Along Outer Radius

Cable Chain Part No.	Bi	Ba	R							
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Eu25.25.R	25	41	55	75	100	125	150	175	200	225
Eu25.38.R	38	54	55	75	100	125	150	175	200	225
Eu25.57.R	57	73	55	75	100	125	150	175	200	225
Eu25.77.R	77	93	55	75	100	125	150	175	200	225
Eu25.89.R	89	105	55	75	100	125	150	175	200	225
Eu25.103.R	103	119	55	75	100	125	150	175	200	225
Eu25.125.R	125	141	55	75	100	125	150	175	200	225

Vertical separator E25.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar

Horizontal separator

Order example: EH25-L

Cable chain order example

Ei25	.	25	.	R55	—	L1000	— Inner Open Way
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain	
Eu25	.	25	.	R55	—	L1000	— Outer Open Way
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain	

More advice please consult POWET

Default installation method: A1

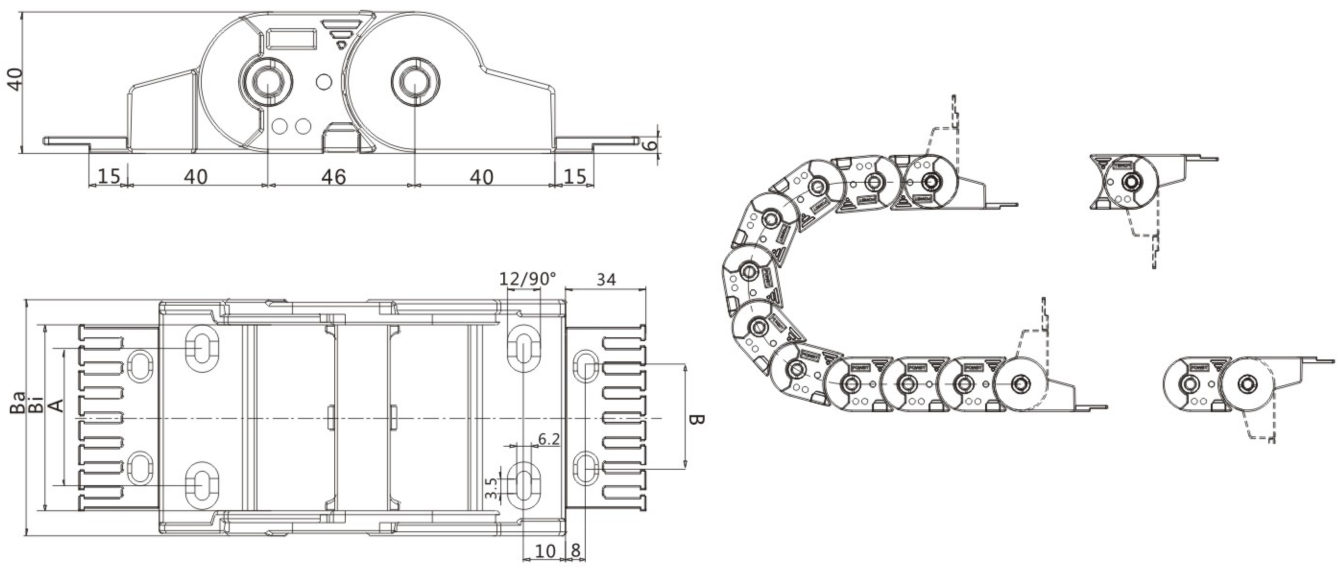
POWET
拖链系统 CABLE-CHAIN SYSTEM

E25 SERIES
SCARFING BRACKETS

Brackets

- Use for E25 series
- Can be fixed from the bottom, top 2 positions
- Including two types, fixed end and moving end

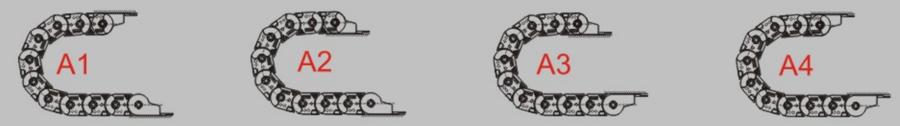
Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application



Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B	Tirewrap Plate Slots
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tiewrap	(mm)	(mm)	
25	E250.25.A	E250.25.A.Z	E251.25.A	E251.25.A.Z	17	-	3
38	E250.38.A	E250.38.A.Z	E251.38.A	E251.38.A.Z	25	15	4
57	E250.57.A	E250.57.A.Z	E251.57.A	E251.57.A.Z	44	25	6
77	E250.77.A	E250.77.A.Z	E251.77.A	E251.77.A.Z	64	41	8
89	E250.89.A	E250.89.A.Z	E251.89.A	E251.89.A.Z	77	41	8
103	E250.103.A	E250.103.A.Z	E251.103.A	E251.103.A.Z	90	73	10
125	E250.125.A	E250.125.A.Z	E251.125.A	E251.125.A.Z	112	73	12

Bracket order example

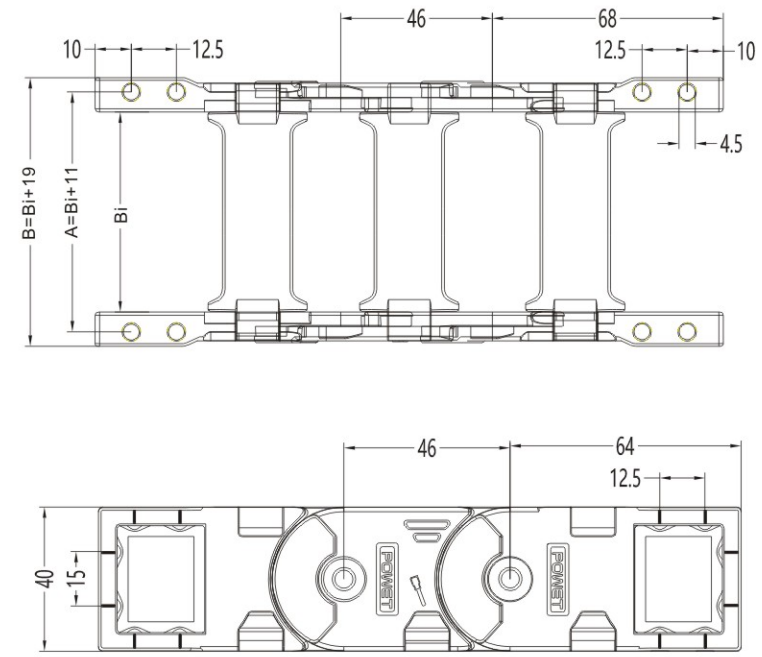
E250	.	25	.	A1	.	Z
Seires. Model		Inner Width Bi		Installation Style		With Tirewrap



More advice please consult POWET

Default installation method：A1

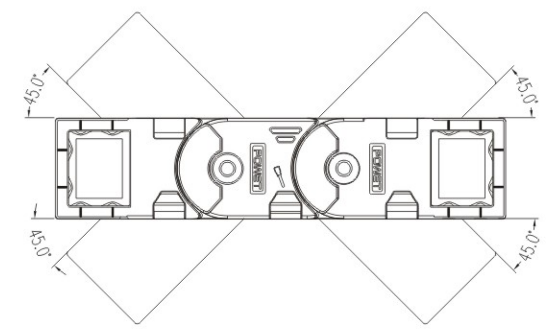
E25 SERIES
SQUARE BRACKETS



Brackets

- Use for E25 series
- Can be fixed from the bottom, top 2 positions
- Including two types, fixed end and moving end

Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application



Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B	Tirewrap Plate Slots
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tiewrap	(mm)	(mm)	
25	F250.25.12	F250.25.12.Z	F251.25.12	F251.25.12.Z	36	44	3
38	F250.38.12	F250.38.12.Z	F251.38.12	F251.38.12.Z	49	57	4
57	F250.57.12	F250.57.12.Z	F251.57.12	F251.57.12.Z	68	76	6
77	F250.77.12	F250.77.12.Z	F251.77.12	F251.77.12.Z	88	96	8
89	F250.89.12	F250.89.12.Z	F251.89.12	F251.89.12.Z	100	108	8
103	F250.103.12	F250.103.12.Z	F251.103.12	F251.103.12.Z	114	122	10
125	F250.125.12	F250.125.12.Z	F251.125.12	F251.125.12.Z	136	144	12

Cable chain order example

F250	.	10	.	R18	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain

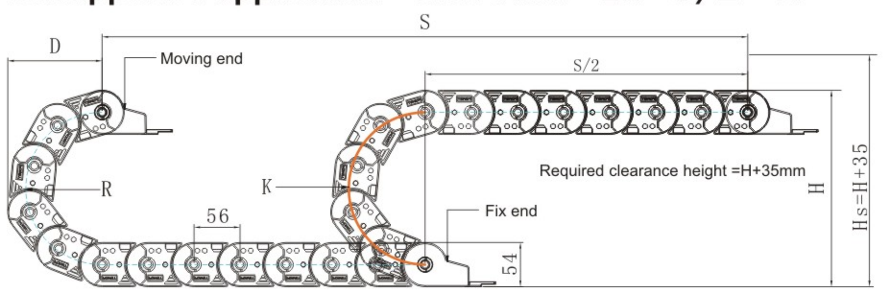
More advice please consult POWET

Default installation method：A1

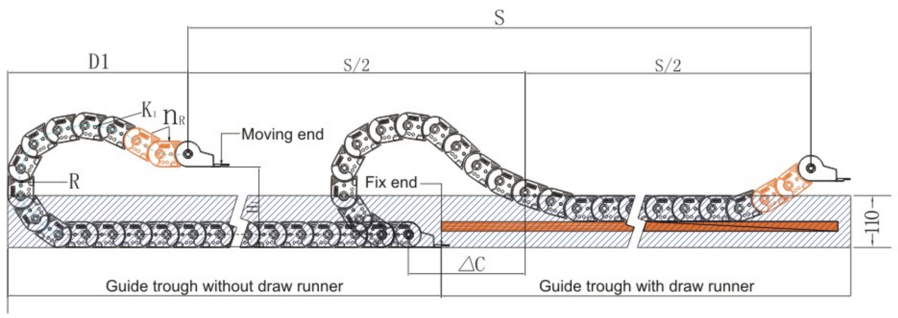
E35 SERIES
OVERVIEW

Pitch per link <P>: 56mm
Inner height <hi>: 35mm
Inner width <Bi>: 50-125mm
Links per meter = 18 links（1008mm)

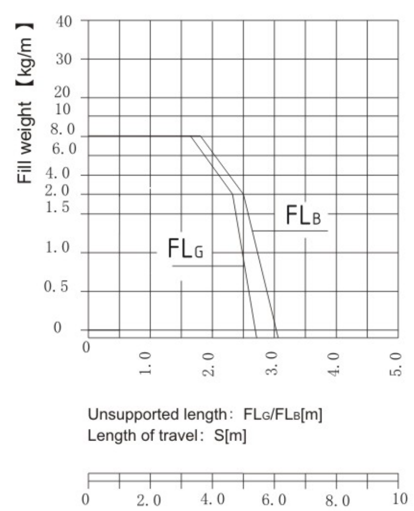
Unsupported application short travel $L_K=S/2+K$



Gliding application long travel $L_K=S/2+K_1$



Unsupported—load diagram



R	H	Hs	D	K	H1	D1	K1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
63	180	215	176	310	130	140	335	-	-
75	204	239	188	350	150	150	375	-	-
100	254	289	213	430	166	350	616	144	2
125	304	339	238	505	166	475	784	244	3
150	354	389	263	585	166	500	896	274	3
175	404	439	288	665	166	655	1120	374	3
200	454	489	313	745	166	770	1288	464	4
250	554	589	363	900	166	950	1624	594	4

Technical parameter

Unsupported length	≤3.3m
Gliding length	≤120m
Vertical hanging	≤50m
Vertical standing up	≤3.0m
Side unsupported	≤1.0m

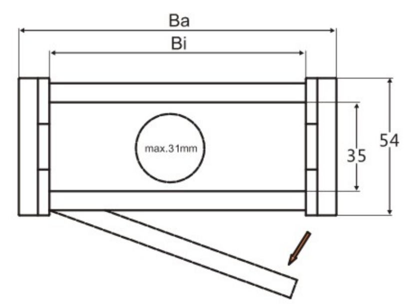
Speed/acceleration FLG	≤10[m/s]/ 50 [m/s²]
Speed/acceleration FLa	≤3[m/s]/6[m/s²]
Gliding speed/acceleration	≤ 5 [m/s]/30[m/s²]
Permitted temperature	-40℃~120℃
Retardant grade	Ul94 HB

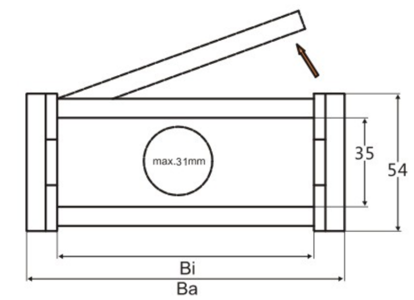
E35 SERIES
SPECIFICATION

Ei35-Open Along Inner Radius

Scarfing brackets and square brackets both available for E35

Cable Chain Part No.	Bi	Ba	R							
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Ei35.50.R	50	70	63	75	100	125	150	175	200	225
Ei35.65.R	65	85	63	75	100	125	150	175	200	225
Ei35.75.R	75	95	63	75	100	125	150	175	200	225
Ei35.90.R	90	110	63	75	100	125	150	175	200	225
Ei35.100.R	100	120	63	75	100	125	150	175	200	225
Ei35.125.R	125	145	63	75	100	125	150	175	200	225



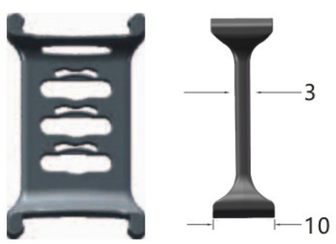


Eu35-Open Along Outer Radius

Cable Chain Part No.	Bi	Ba	R							
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Eu35.50.R	50	70	63	75	100	125	150	175	200	225
Eu35.65.R	65	85	63	75	100	125	150	175	200	225
Eu35.75.R	75	95	63	75	100	125	150	175	200	225
Eu35.90.R	90	110	63	75	100	125	150	175	200	225
Eu35.100.R	100	120	63	75	100	125	150	175	200	225
Eu35.125.R	125	145	63	75	100	125	150	175	200	225

Vertical separator E35.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar



Horizontal separator

Order example：EH35-L

Cable chain order example

Ei35	.	75	.	R75	—	L1000	— **Inner Open Way**
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain	
Eu35	.	75	.	R75	—	L1000	— **Outer Open Way**
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain	

More advice please consult POWET

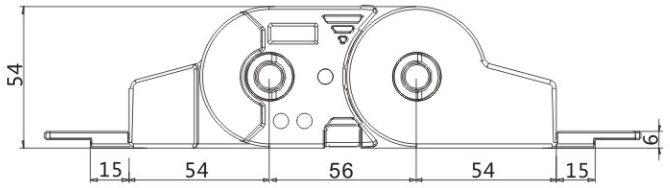
Default installation method：A1

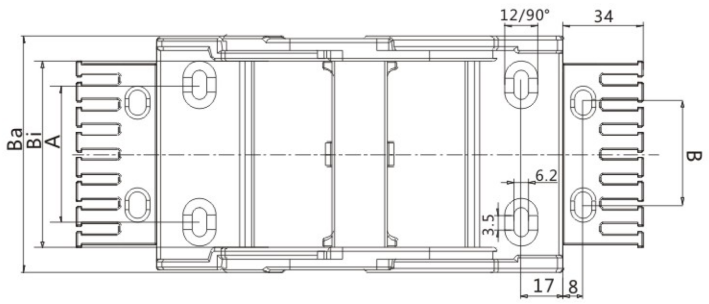
E35 SERIES
BRACKETS

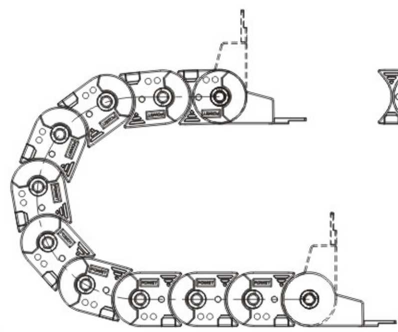
Brackets

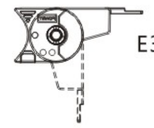
- Use for E35 series
- Can be fixed from the bottom, top 2 positions
- Including two types, fixed end and moving end

Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application

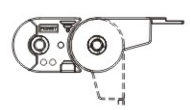








E350.Bi.1

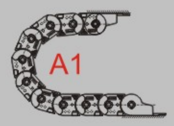


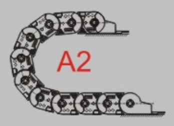
E350.Bi.2

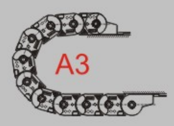
Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B	Tirewrap Plate Slots
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)	
50	E350.50.A	E350.50.A.Z	E351.50.A	E351.50.A.Z	30	25	6
65	E350.65.A	E350.65.A.Z	E351.65.A	E351.65.A.Z	45	41	8
75	E350.75.A	E350.75.A.Z	E351.75.A	E351.75.A.Z	55	41	8
90	E350.90.A	E350.90.A.Z	E351.90.A	E351.90.A.Z	70	71	10
100	E350.100.A	E350.100.A.Z	E351.100.A	E351.100.A.Z	80	71	10
125	E350.125.A	E350.125.A.Z	E351.125.A	E351.125.A.Z	105		12

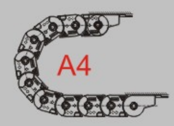
Bracket order example

E350	.	50	.	A1	.	Z
Seires. Model		Inner Width Bi		Installation Style		With Tirewrap





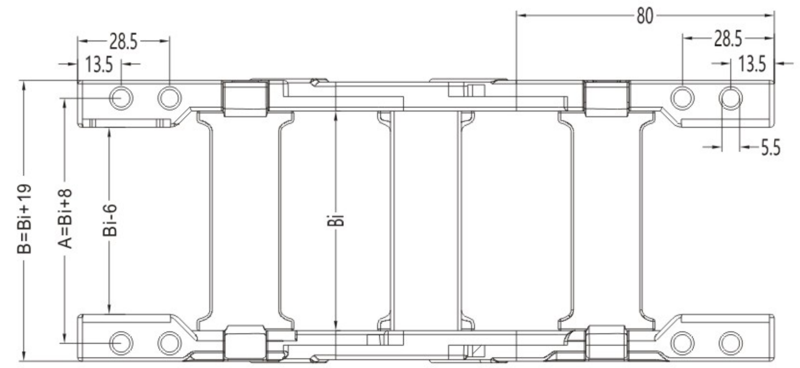


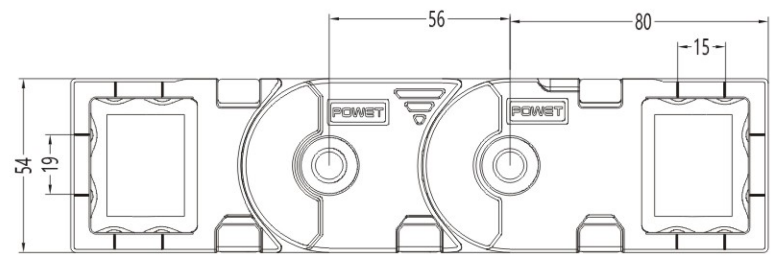


More advice please consult POWET

Default installation method：A1

E35 SERIES
SQUARE BRACKETS

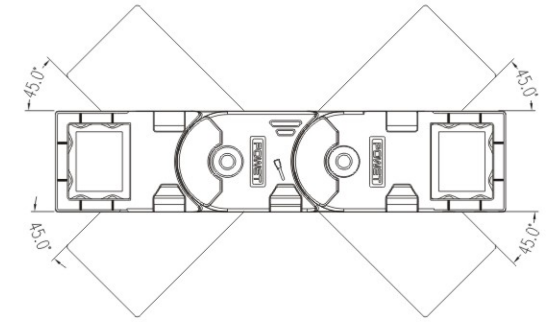




Brackets-Open Type

- Use for E35 series
- Can be fixed from the bottom, top 2 positions
- Including two types, fixed end and moving end

Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application



Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B	Tirewrap Plate Slots
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)	
50	F350.50.12	F350.50.12.Z	F351.50.12	F351.50.12.Z	58	69	6
65	F350.65.12	F350.65.12.Z	F351.65.12	F351.65.12.Z	73	84	8
75	F350.75.12	F350.75.12.Z	F351.75.12	F351.75.12.Z	83	94	8
90	F350.90.12	F350.90.12.Z	F351.90.12	F351.90.12.Z	98	109	10
100	F350.100.12	F350.100.12.Z	F351.100.12	F351.100.12.Z	108	119	10
125	F350.125.12	F350.125.12.Z	F351.125.12	F351.125.12.Z	133	144	12

Cable chain order example

F350	.	50	.	12	.	Z
Seires. Model		Inner Width Bi		Whole Set		With Tirewrap

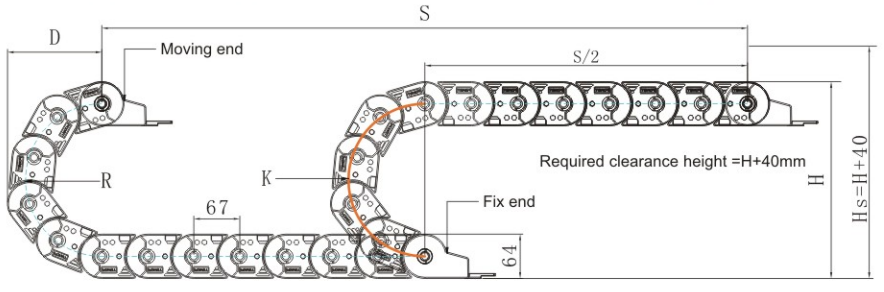
More advice please consult POWET

POWET
拖链系统 CABLE-CHAIN SYSTEM

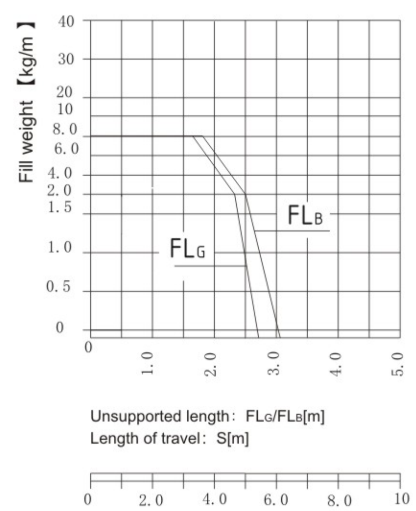
E45 SERIES
OVERVIEW

Pitch per link <P>: 67mm
Inner height <hi>: 45mm
Inner width <Bi>: 50-150mm
Links per meter = 15 links (1005mm)

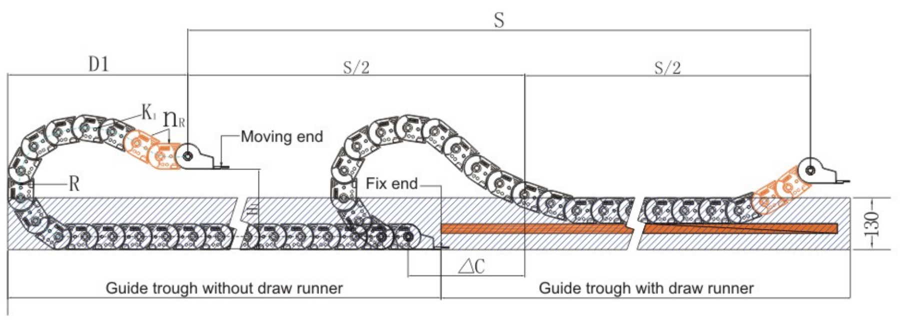
Unsupported application short travel $L_K = S/2 + K$



Unsupported—load diagram



Gliding application long travel $L_K = S/2 + K_1$



R	H	Hs	D	K	H1	D1	K1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
75	214	254	208	370	150	208	370	-	-
100	264	304	333	450	186	233	450	-	2
125	314	354	258	530	186	475	804	233	3
150	364	404	283	610	186	570	1005	303	3
200	464	504	333	765	186	780	1340	463	3
250	564	604	383	920	186	1010	1675	643	4
300	664	704	433	1080	186	1150	1943	733	4

Technical parameter

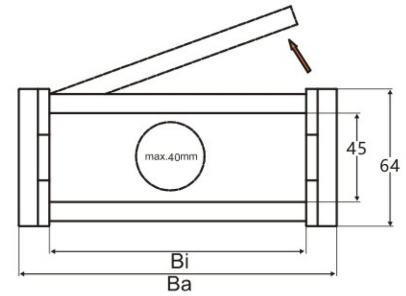
Unsupported length	≤3.5m	Speed/acceleration FLG	≤10[m/s]/ 50 [m/s²]
Gliding length	≤120m	Speed/acceleration FLa	≤3[m/s]/6[m/s²]
Vertical hanging	≤50m	Gliding speed/acceleration	≤ 5 [m/s]/30[m/s²]
Vertical standing up	≤3.0m	Permitted temperature	-40℃~120℃
Side unsupported	≤1.0m	Retardant grade	Ul94 HB

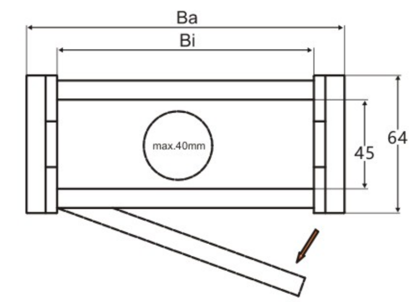
E45 SERIES
SPECIFICATION

Ei45-Open Along Inner Radius

Scarfing brackets and square brackets both available for E45

Cable Chain Part No.	Bi	Ba	R						
	mm	mm	mm	mm	mm	mm	mm	mm	mm
Ei45.50.R	50	72	75	100	125	150	200	250	300
Ei45.75.R	75	97	75	100	125	150	200	250	300
Ei45.100.R	100	122	75	100	125	150	200	250	300
Ei45.125.R	125	147	75	100	125	150	200	250	300
Ei45.150.R	150	172	75	100	125	150	200	250	300





Eu45-Open Along Outer Radius

Cable Chain Part No.	Bi	Ba	R						
	mm	mm	mm	mm	mm	mm	mm	mm	mm
Eu45.50.R	50	72	75	100	125	150	200	250	300
Eu45.75.R	75	97	75	100	125	150	200	250	300
Eu45.100.R	100	122	75	100	125	150	200	250	300
Eu45.125.R	125	147	75	100	125	150	200	250	300
Eu45.150.R	150	172	75	100	125	150	200	250	300

Vertical separator E45.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar

Horizontal separator

Order example: EH45-L

Cable chain order example

Ei45	.	75	.	R75	—	L1000	— Inner Open Way
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain	
Eu45	.	75	.	R75	—	L1000	— Outer Open Way
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain	

More advice please consult POWET

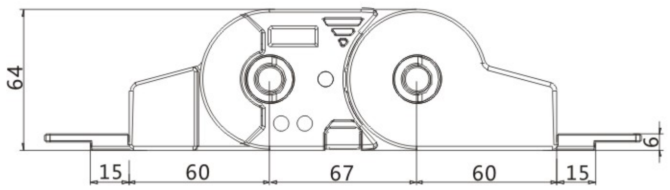
Default installation method: A1

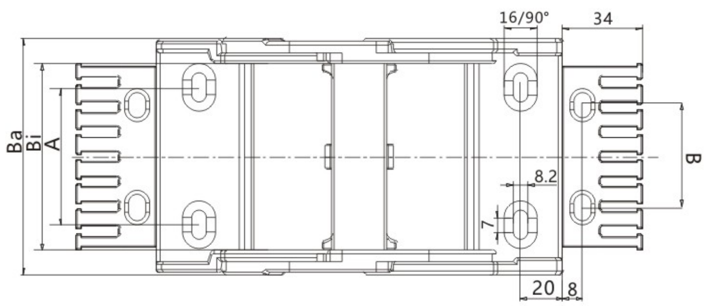
E45 SERIES
BRACKETS

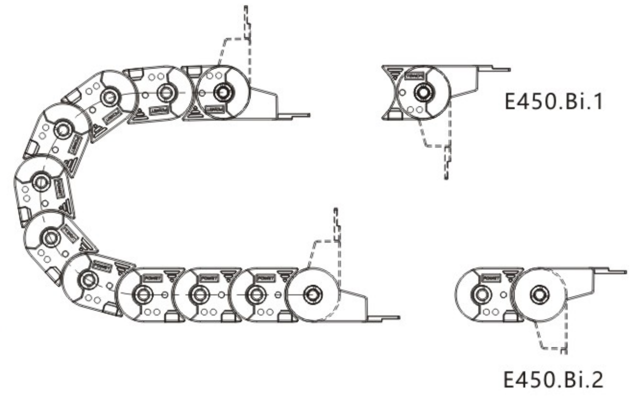
Brackets

- Use for E45 series
- Can be fixed from the bottom, top 2 positions
- Including two types, fixed end and moving end

Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application





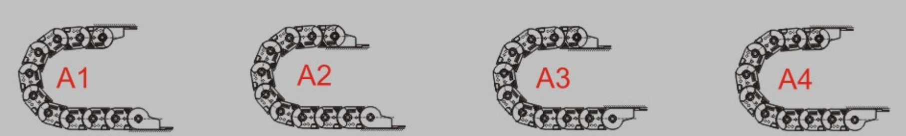


Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B	Tirewrap Plate Slots
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)	
50	E450.50.A	E450.50.A.Z	E451.50.A	E451.50.A.Z	28	25	6
75	E450.75.A	E450.75.A.Z	E451.75.A	E451.75.A.Z	53	41	8
100	E450.100.A	E450.100.A.Z	E451.100.A	E451.100.A.Z	78	71	10
125	E450.125.A	E450.125.A.Z	E451.125.A	E451.125.A.Z	103	105	12
150	E450.150.A	E450.150.A.Z	E451.150.A	E451.150.A.Z	128	130	14

Bracket order example

E450 . 50 . A1 . Z

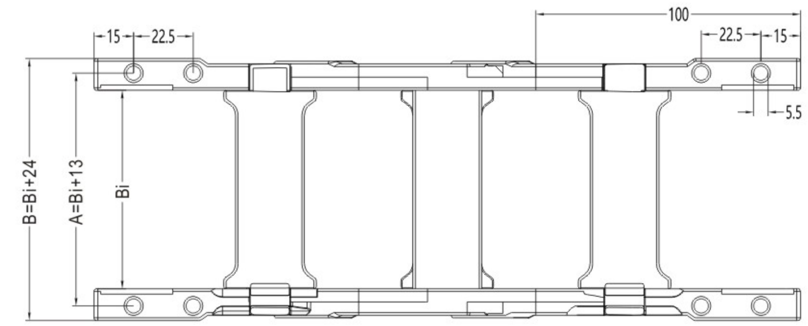
Seires. Model / Inner Width Bi / Installation Style / With Tirewrap

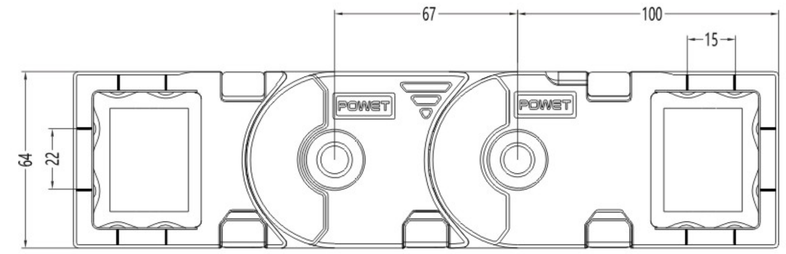


More advice please consult POWET

Default installation method：A1

E45 SERIES
SQUARE BRACKETS

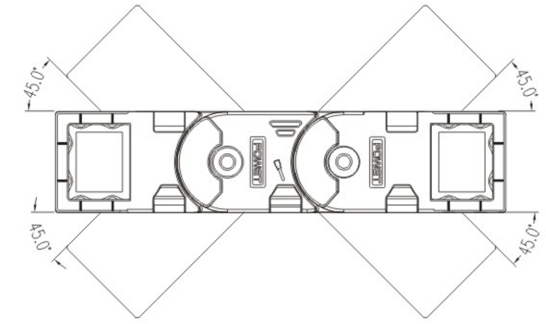




Brackets-Open Type

- Use for E45 series
- Can be fixed from the bottom, top 2 positions
- Including two types, fixed end and moving end

Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application



Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B	Tirewrap Plate Slots
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)	
50	F450.50.12	F450.50.12.Z	F451.50.12	F451.50.12.Z	63	74	6
75	F450.75.12	F450.75.12.Z	F451.75.12	F451.75.12.Z	88	99	8
100	F450.100.12	F450.100.12.Z	F451.100.12	F451.100.12.Z	113	124	10
125	F450.125.12	F450.125.12.Z	F451.125.12	F451.125.12.Z	138	149	12
150	F450.150.12	F450.150.12.Z	F451.150.12	F451.150.12.Z	163	174	14

Cable chain order example

F450 . 50 . 12 . Z

Seires. Model / Inner Width Bi / Whole Set / With Tirewrap

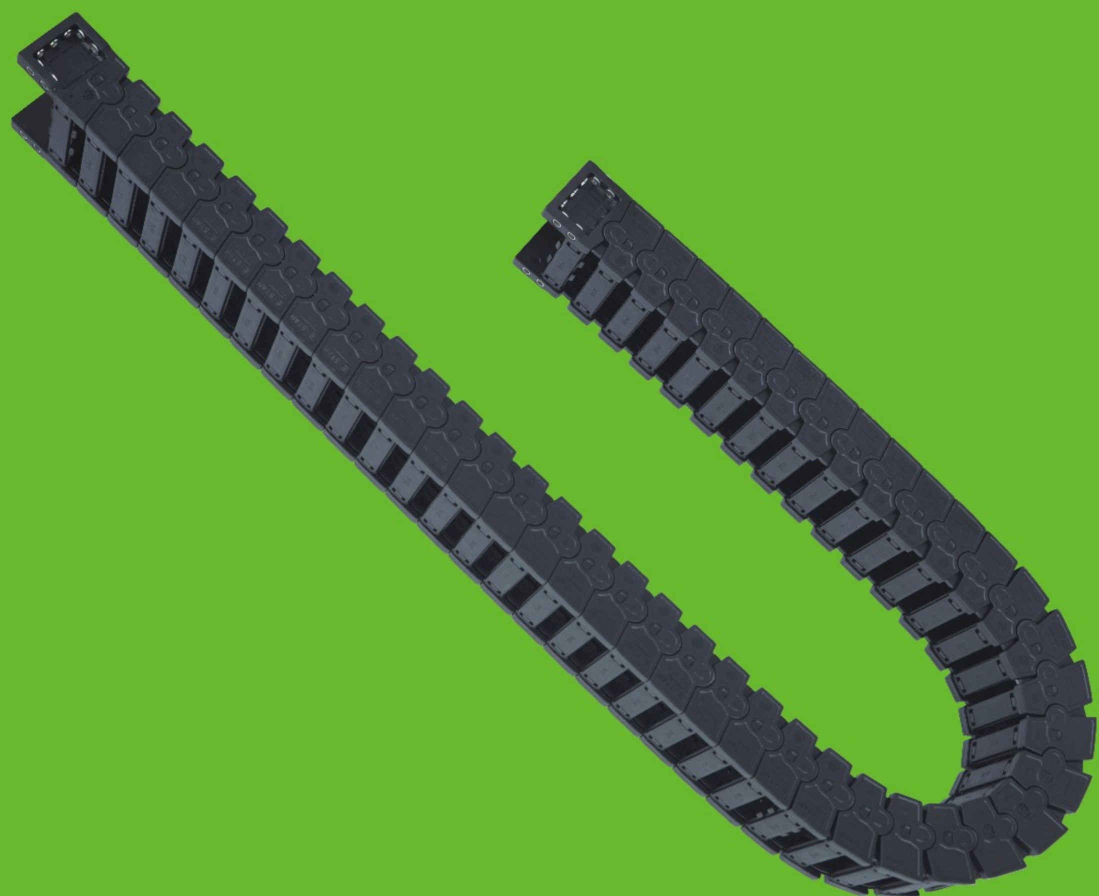
More advice please consult POWET

POWET
拖链系统 CABLE-CHAIN SYSTEM

POWET®

HIGH-SPEED LOW NOISE CABLE CHAIN

high-speed low noise dust-free

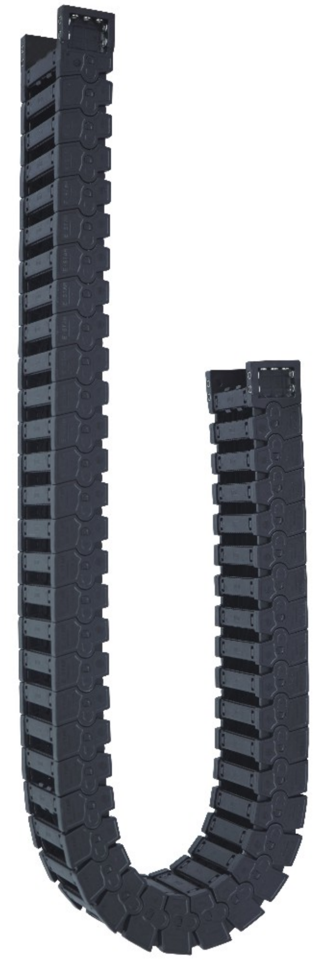


Series No.	Inner height <hi>	Outer height <H>	Inner width <Bi >	Outer width <Ba>	Bending radius <R>	Pitch <p>	Page
	mm	mm	mm	mm	mm	mm	
H20	20	32	25-140	38-153	38-75	23	48
H30	30	39	25-140	41-146	50-200	23	50
H40	40	54	40-150	60-170	63-200	27.8	52
H50	50	65	25-175	50-200	75-200	30.3	54
H60	60	75	30-200	65-235	115-300	50	56

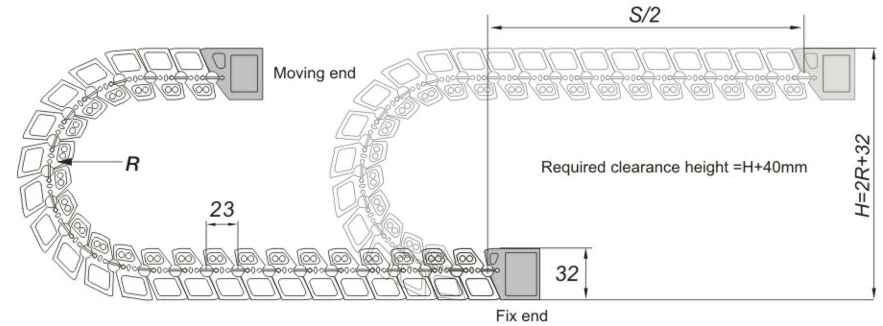
H20 SERIES

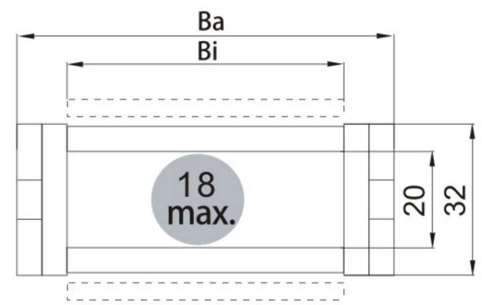
LOW NOISE CABLE CHAIN

Inner height	20mm
Inner width	25-140mm
Pitch per link	23mm
Links per meter	44(1012mm)

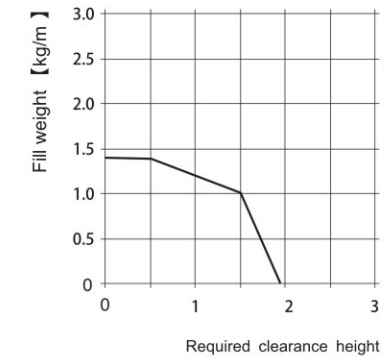


Unsupported application short travel





Unsupported—load diagram



Cable Chain Part No.	Bi	Ba	R				Weight
	mm	mm	mm	mm	mm	mm	kg/m
H20.25.R	25	38	38	45	55	75	≈0.65
H20.30.R	30	43	38	45	55	75	≈0.66
H20.35.R	35	48	38	45	55	75	≈0.68
H20.40.R	40	53	38	45	55	75	≈0.70
H20.50.R	50	63	38	45	55	75	≈0.75
H20.60.R	60	73	38	45	55	75	≈0.80
H20.70.R	70	83	38	45	55	75	≈0.85
H20.80.R	80	93	38	45	55	75	≈0.90
H20.90.R	90	103	38	45	55	75	≈0.95
H20.100.R	100	113	38	45	55	75	≈1.00
H20.110.R	110	123	38	45	55	75	≈1.05
H20.120.R	120	133	38	45	55	75	≈1.10
H20.140.R	140	153	38	45	55	75	≈1.30

Cable chain order example

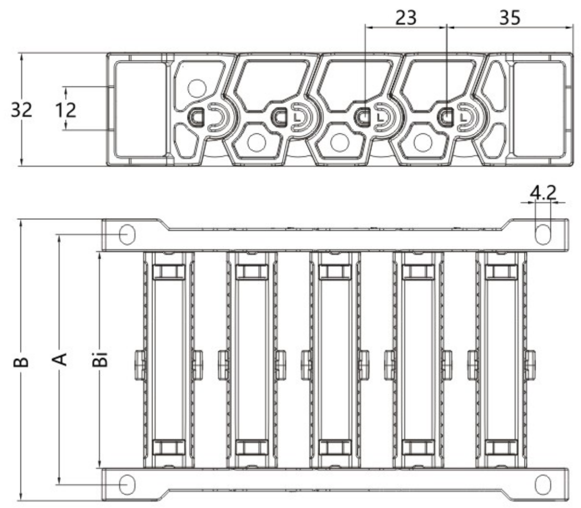
H20 . 25 . R50 — L1000

Seires. Model | Inner Width Bi | Bending Radius R | Length Of Cable Chain

More advice please consult POWET

帕尔特智能科技（苏州）有限公司
POWET INTELLIGENT TECHNOLOGY (SUZHOU) CO., LTD.

H20 SERIES
BRACKETS PARAMETER



Brackets

- Use for H20 series
- Can be fixed from the bottom, head face 3 positions
- Including two types, fixed end and moving end

Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Bracket Code	Bracket Code	A	B	Weight
mm	Without Tiewrap	With Tirewrap	(mm)	(mm)	g/set
25	H200.25.A1	H200.25.A1.Z	33	41	45
30	H200.30.A1	H200.30.A1.Z	38	48	48
40	H200.40.A1	H200.40.A1.Z	48	58	51
50	H200.50.A1	H200.50.A1.Z	58	68	52
60	H200.60.A1	H200.60.A1.Z	68	78	53
70	H200.70.A1	H200.70.A1.Z	78	88	54
80	H200.80.A1	H200.80.A1.Z	88	98	55
90	H200.90.A1	H200.90.A1.Z	98	108	56
100	H200.100.A1	H200.100.A1.Z	108	118	57
110	H200.110.A1	H200.110.A1.Z	118	128	58
120	H200.120.A1	H200.120.A1.Z	128	138	59
140	H200.140.A1	H200.140.A1.Z	148	158	65

Vertical separator H20.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar

Horizontal separator

Length [mm]	Spare Parts Code	Length [mm]	Spare Parts Code
035	**H20-35**	070	**H20-70**
040	**H20-40**	080	**H20-80**
050	**H20-50**	090	**H20-90**
060	**H20-60**	100	**H20-100**

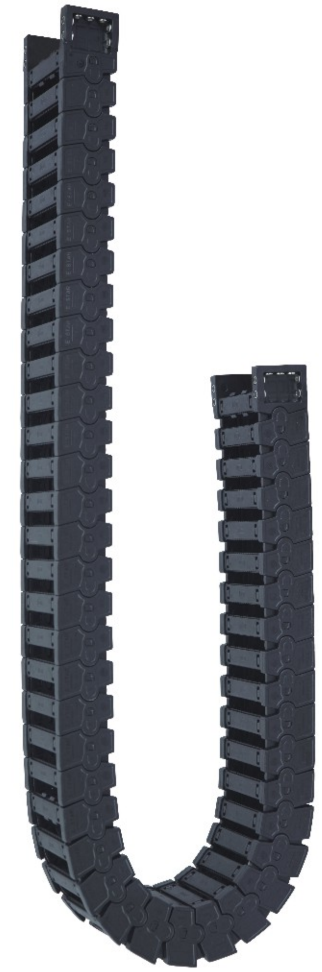
Bracket order example

H200	.	25	.	A1
Seires. Model		Inner Width Bi		Installation Style

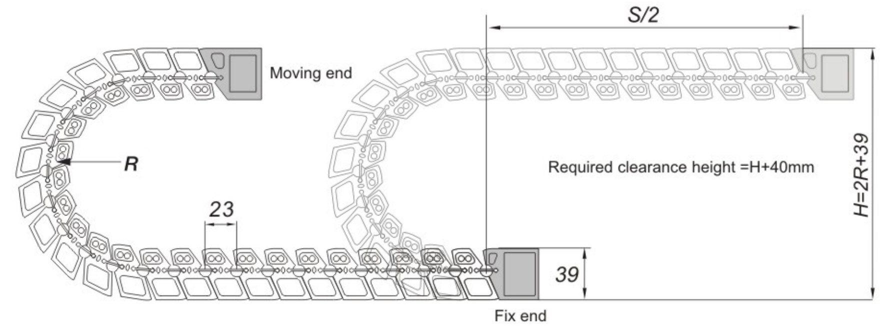
More advice please consult POWET

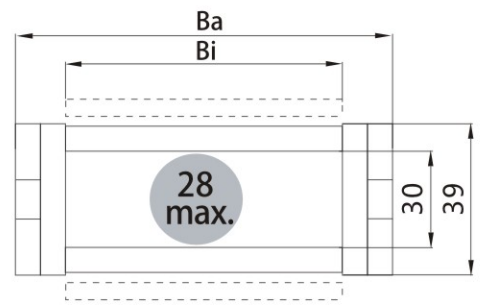
H30 SERIES
LOW NOISE CABLE CHAIN

Inner height	**30mm**
Inner width	**25-140mm**
Pitch per link	**23mm**
Links per meter	**44(1012mm)**

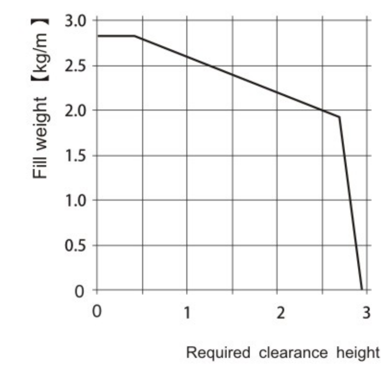


Unsupported application short travel





Unsupported—load diagram



Cable Chain Part No.	Bi	Ba	R					Weight
	mm	mm	mm	mm	mm	mm	mm	kg/m
H30.25.R	25	41	55	75	100	125	150	≈0.60
H30.30.R	30	46	55	75	100	125	150	≈0.66
H30.40.R	40	56	55	75	100	125	150	≈0.70
H30.50.R	50	66	55	75	100	125	150	≈0.75
H30.60.R	60	76	55	75	100	125	150	≈0.80
H30.70.R	70	86	55	75	100	125	150	≈0.85
H30.80.R	80	96	55	75	100	125	150	≈0.90
H30.90.R	90	106	55	75	100	125	150	≈0.95
H30.100.R	100	116	55	75	100	125	150	≈1.00
H30.110.R	110	126	55	75	100	125	150	≈1.05
H30.120.R	120	136	55	75	100	125	150	≈1.10
H30.140.R	140	156	55	75	100	125	150	≈1.20

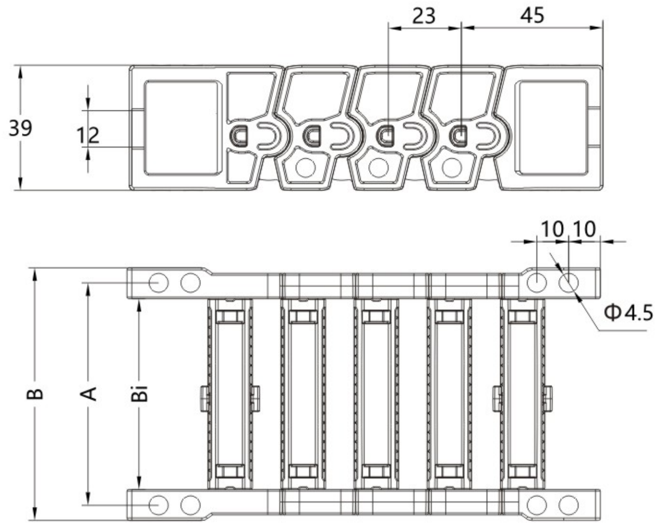
Cable chain order example

H30	.	25	.	R55	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain

More advice please consult POWET

H30 SERIES

BRACKETS PARAMETER



Brackets

- Use for H30 series
- Can be fixed from the bottom, head face 3 positions
- Including two types, fixed end and moving end

Moving end—recommend use for unsupported and gliding application
Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Bracket Code	Bracket Code	A	B	Weight
mm	Without Tiewrap	With Tiewrap	(mm)	(mm)	g/set
25	H300.25.A1	H300.25.A1.Z	35	45	45
30	H300.30.A1	H300.30.A1.Z	40	50	48
40	H300.40.A1	H300.40.A1.Z	50	60	51
50	H300.50.A1	H300.50.A1.Z	60	70	52
60	H300.60.A1	H300.60.A1.Z	70	80	53
70	H300.70.A1	H300.70.A1.Z	80	90	54
80	H300.80.A1	H300.80.A1.Z	90	100	55
90	H300.90.A1	H300.90.A1.Z	100	110	56
100	H300.100.A1	H300.100.A1.Z	110	120	57
110	H300.110.A1	H300.110.A1.Z	120	130	58
120	H300.120.A1	H300.120.A1.Z	130	140	59
140	H300.140.A1	H300.140.A1.Z	150	160	65

Vertical separator H30.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar

Horizontal separator

Length [mm]	Spare Parts Code	Length [mm]	Spare Parts Code
035	**H30-35**	070	**H30-70**
040	**H30-40**	080	**H30-80**
050	**H30-50**	090	**H30-90**
060	**H30-60**	100	**H30-100**

Bracket order example

H300	.	25	.	A1
Seires. Model		Inner Width Bi		Installation Style

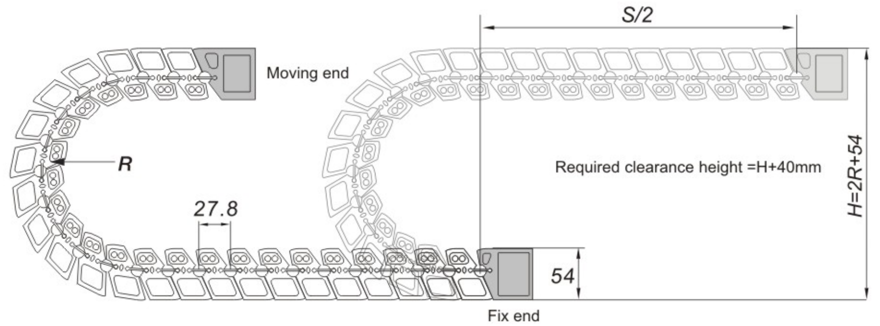
More advice please consult POWET

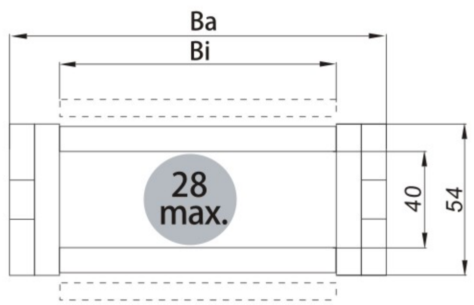
H40 SERIES

LOW NOISE CABLE CHAIN

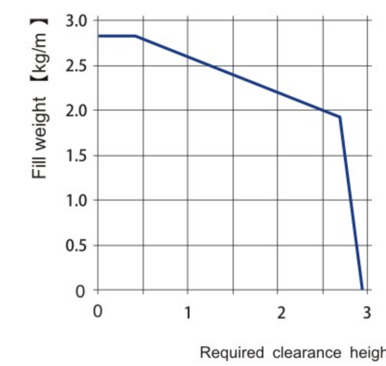
Inner height	**40mm**
Inner width	**40-100mm**
Pitch per link	**27.8mm**
Links per meter	**36(1001mm)**

Unsupported application short travel





Unsupported—load diagram



Cable Chain Part No.	Bi	Ba	R						Weight
	mm	mm	mm	mm	mm	mm	mm	mm	kg/m
H40.040.R	40	60	63	075	100	150	175	200	1.29
H40.050.R	50	70	63	075	100	150	175	200	1.33
H40.060.R	60	80	63	075	100	150	175	200	1.35
H40.070.R	70	90	63	075	100	150	175	200	1.4
H40.075.R	75	95	63	075	100	150	175	200	1.43
H40.080.R	80	100	63	075	100	150	175	200	1.45
H40.087.R	87	107	63	075	100	150	175	200	1.48
H40.090.R	90	110	63	075	100	150	175	200	1.5
H40.100.R	100	120	63	075	100	150	175	200	1.55
H40.125.R	125	145	63	075	100	150	175	200	1.65
H40.150.R	150	170	63	075	100	150	175	200	1.75

Cable chain order example

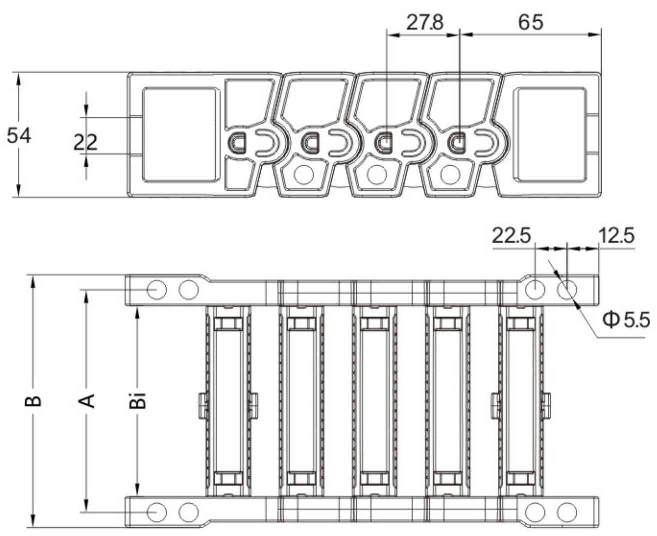
H40	.	40	.	R63	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain

More advice please consult POWET

POWET
拖链系统 CABLE-CHAIN SYSTEM

H40 SERIES

BRACKETS PARAMETER



Brackets

- Use for H40 series
- Can be fixed from the bottom, head face 3 positions
- Including two types, fixed end and moving end

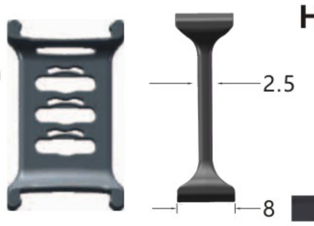
Moving end—recommend use for unsupported and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Bracket Code	Bracket Code	A	B	Weight
mm	Without Tiewrap	With Tirewrap	(mm)	(mm)	g/set
40	H400.040.A1	H400.040.A1.Z	54	66	54
50	H400.050.A1	H400.050.A1.Z	64	76	55
60	H400.060.A1	H400.060.A1.Z	74	86	56
70	H400.070.A1	H400.070.A1.Z	84	96	57
75	H400.075.A1	H400.075.A1.Z	89	101	58
80	H400.080.A1	H400.080.A1.Z	94	106	58
87	H400.087.A1	H400.087.A1.Z	101	113	60
100	H400.100.A1	H400.100.A1.Z	114	126	60
125	H400.125.A1	H400.125.A1.Z	139	151	61
150	H400.150.A1	H400.150.A1.Z	154	176	62

Vertical separator H40.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar



Horizontal separator

Length [mm]	Spare Parts Code	Length [mm]	Spare Parts Code
035	**H40-035**	070	**H40-070**
040	**H40-040**	080	**H40-080**
050	**H40-050**	090	**H40-090**
060	**H40-060**	100	**H40-100**

Bracket order example

H400	.	40	.	A1
Seires. Model		Inner Width Bi		Installation Style

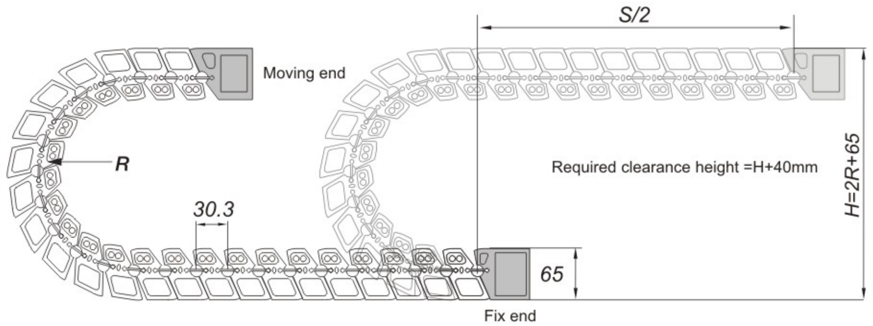
More advice please consult POWET

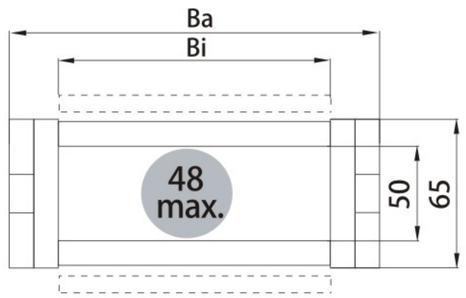
H50 SERIES

LOW NOISE CABLE CHAIN

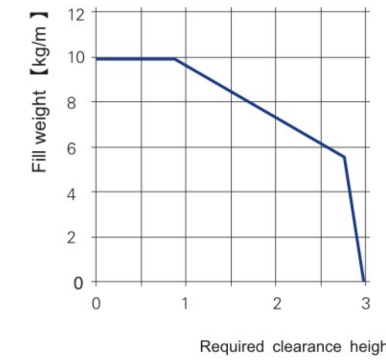
Inner height	50mm
Inner width	25-175mm
Pitch per link	30mm
Links per meter	33(1000mm)

Unsupported application short travel





Unsupported—load diagram



Cable Chain Part No.	Bi	Ba	R						Weight
	mm	mm	mm	mm	mm	mm	mm	mm	kg/m
H50.040.R	40	64	075	100	150	175	200	-	≈1.50
H50.050.R	50	74	075	100	150	175	200	-	≈1.55
H50.060.R	60	84	075	100	150	175	200	-	≈1.60
H50.070.R	70	94	075	100	150	175	200	-	≈1.65
H50.075.R	75	99	075	100	150	175	200	-	≈1.70
H50.087.R	87	111	075	100	150	175	200	-	≈1.75
H50.100.R	100	124	075	100	150	175	200	-	≈1.80
H50.125.R	125	149	075	100	150	175	200	-	≈1.85
H50.150.R	150	174	075	100	150	175	200	-	≈1.90
H50.175.R	175	199	075	100	150	175	200	-	≈1.95

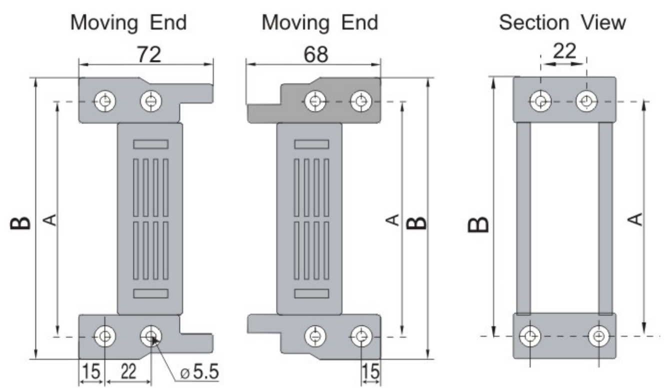
Cable chain order example

H50	.	40	.	R75	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain

More advice please consult POWET

POWET
拖链系统 CABLE-CHAIN SYSTEM

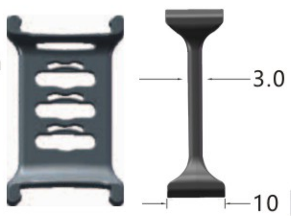
H50 SERIES
BRACKETS PARAMETER



Inner Width <Bi>	Bracket Code	Bracket Code	A	B	Weight
mm	Without Tiewrap	With Tirewrap	(mm)	(mm)	g/set
40	H500.40.A1	H500.40.A1.Z	56	70	170
50	H500.50.A1	H500.50.A1.Z	66	80	172
60	H500.60.A1	H500.60.A1.Z	76	90	174
70	H500.70.A1	H500.70.A1.Z	86	100	178
75	H500.75.A1	H500.75.A1.Z	91	105	180
87	H500.87.A1	H500.87.A1.Z	103	117	182
100	H500.100.A1	H500.100.A1.Z	116	130	184
125	H500.125.A1	H500.125.A1.Z	141	155	186
150	H500.150.A1	H500.150.A1.Z	166	180	188
175	H500.175.A1	H500.175.A1.Z	191	205	190

Vertical separator H50.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar



Horizontal separator

Length [mm]	Spare Parts Code	Length [mm]	Spare Parts Code
40	**H50-40**	75	**H50-075**
50	**H50-50**	87	**H50-087**
60	**H50-60**	100	**H50-100**
70	**H50-70**	125	**H50-125**

Bracket order example

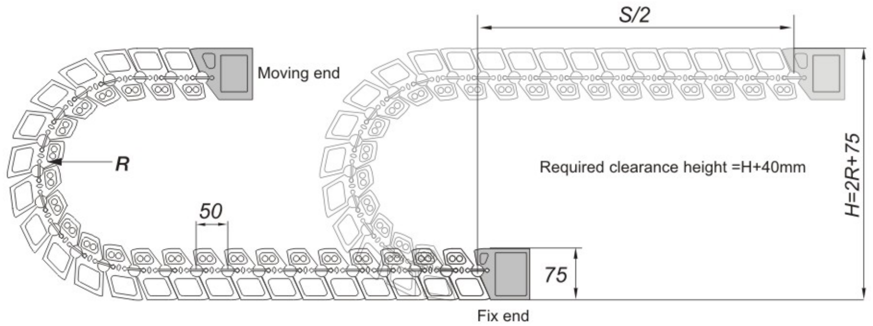
H500	.	025	.	A1
Seires. Model		Inner Width Bi		Installation Style

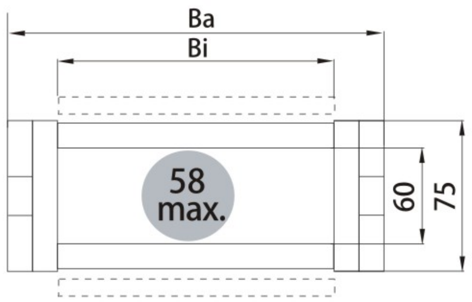
More advice please consult POWET

H60 SERIES
LOW NOISE CABLE CHAIN

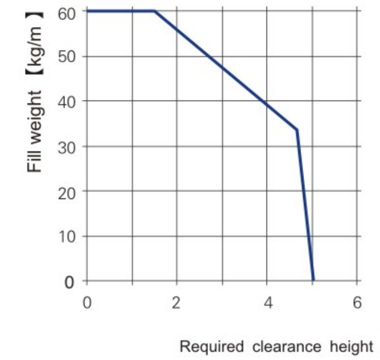
Inner height	60mm
Inner width	30-200mm
Pitch per link	50mm
Links per meter	20(1000mm)

Unsupported application short travel





Unsupported—load diagram



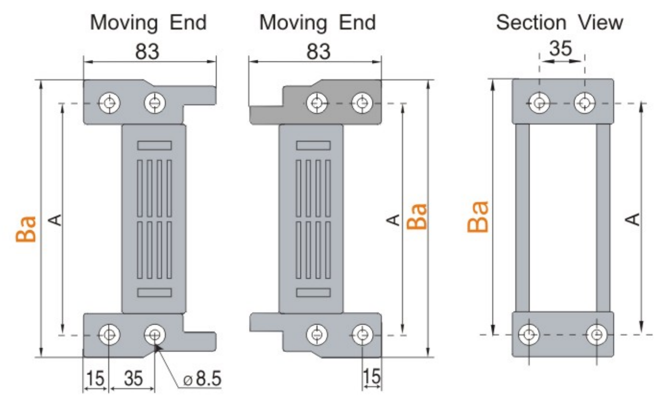
Cable Chain Part No.	Bi	Ba	R						Weight
	mm	mm	mm	mm	mm	mm	mm	mm	kg/m
H60.030.R	030	065	115	150	200	250	300	-	≈1.90
H60.038.R	038	073	115	150	200	250	300	-	≈1.95
H60.050.R	050	085	115	150	200	250	300	-	≈2.00
H60.057.R	057	092	115	150	200	250	300	-	≈2.05
H60.065.R	065	100	115	150	200	250	300	-	≈2.10
H60.075.R	075	110	115	150	200	250	300	-	≈2.15
H60.085.R	085	120	115	150	200	250	300	-	≈2.20
H60.100.R	100	135	115	150	200	250	300	-	≈2.25
H60.125.R	125	160	115	150	200	250	300	-	≈2.30
H60.150.R	150	185	115	150	200	250	300	-	≈2.35
H60.175.R	175	210	115	150	200	250	300	-	≈2.40
H60.200.R	200	235	115	150	200	250	300	-	≈2.45

Cable chain order example

H60	.	025	.	R75	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Cable Chain

More advice please consult POWET

H60 SERIES
BRACKETS PARAMETER



Inner Width <Bi>	Bracket Code	Bracket Code	A	B	Weight
mm	Without Tiewrap	With Tirewrap	(mm)	(mm)	g/set
030	H600.030.A1	H600.030.A1.Z	054	075	265
038	H600.038.A1	H600.038.A1.Z	062	083	270
050	H600.050.A1	H600.050.A1.Z	074	095	275
057	H600.057.A1	H600.057.A1.Z	081	102	280
065	H600.065.A1	H600.065.A1.Z	089	110	285
075	H600.075.A1	H600.075.A1.Z	099	120	290
085	H600.085.A1	H600.085.A1.Z	109	130	295
100	H600.100.A1	H600.100.A1.Z	124	145	300
125	H600.125.A1	H600.125.A1.Z	149	170	305
150	H600.150.A1	H600.150.A1.Z	174	195	310
175	H600.175.A1	H600.175.A1.Z	199	220	315
200	H600.200.A1	H600.200.A1.Z	224	245	320

Vertical separator H60.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar

Horizontal separator

Length [mm]	Spare Parts Code	Length [mm]	Spare Parts Code
038	**H60-038**	075	**H60-075**
050	**H60-050**	085	**H60-085**
057	**H60-057**	100	**H60-100**
065	**H60-065**	125	**H60-125**

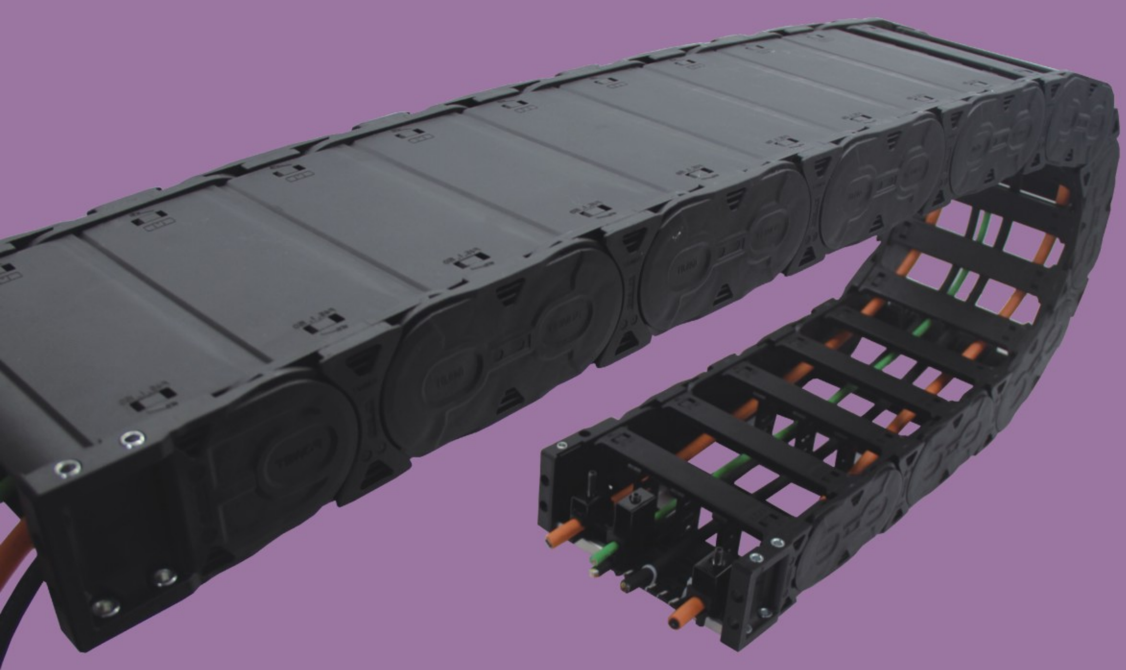
Bracket order example

H600	.	025	.	A1
Seires. Model		Inner Width Bi		Installation Style

More advice please consult POWET

CABLE CHAIN G SERIES

Structural stable、high load long unsupported length



Series	Inner height <hi>	Outer height <H>	Inner width <Bi >	Outer width <Ba>	Bending radius <R>	Pitch <p>	Page
	mm	mm	mm	mm	mm	mm	
G35	35	57	50-300	76-326	75-300	61	60
G45	45	67	50-300	76-326	75-300	72	65
G60	60	88	75-500	109-534	135-500	91	70
G80	80	108	75-500	125-550	150-600	111	75
GF35	35	57	50-300	76-324	100-300	61	63
GF45	45	67	50-300	76-324	125-300	72	68
GF60	60	88	100-400	134-434	175-500	91	73
GF80	80	108	100-500	125-550	200-600	111	79

G35 SERIES

OVERVIEW

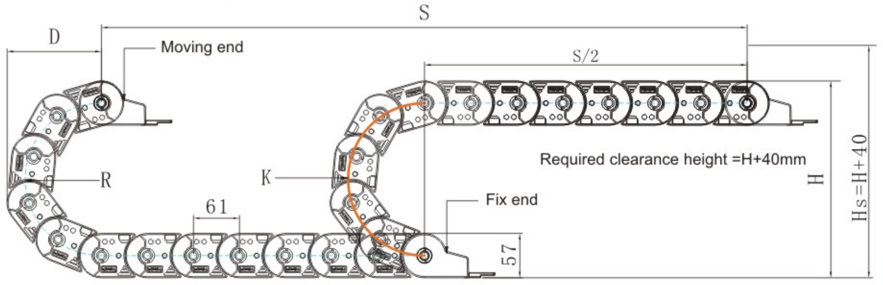
Pitch per link <P>: 61mm

Inner height <hi>: 35mm

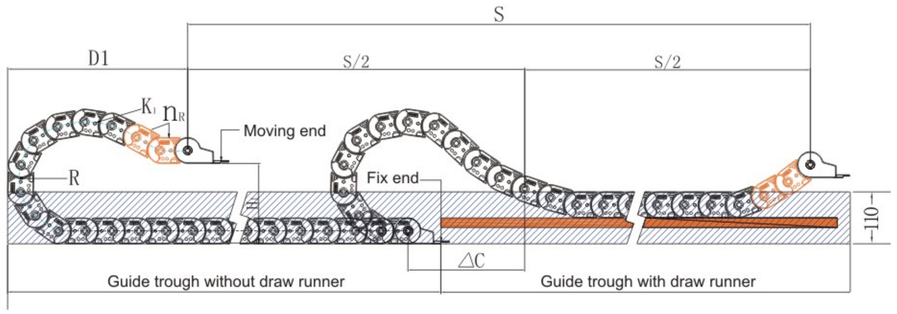
Inner width <Bi>: 50-300mm

Links per meter = 17 links(1037mm)

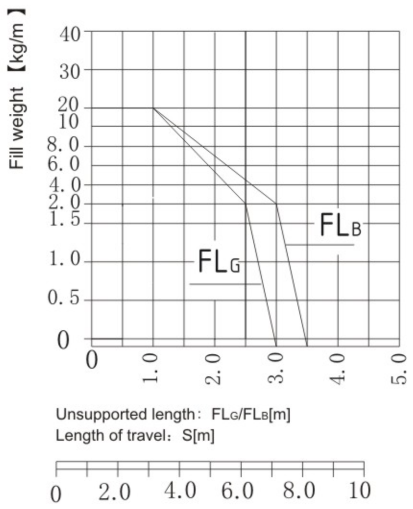
Unsupported application short travel $L_K = S/2 + K$



Gliding application long travel $L_K = S/2 + K_1$



Unsupported—load diagram



R	H	Hs	D	K	H1	D1	K1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
75	207	247	190	360	153	186	360	-	-
100	257	297	215	440	165	325	514	140	2
125	307	347	240	515	165	465	738	255	2
150	357	397	265	595	165	510	850	280	3
175	407	447	290	675	165	600	1018	340	3
200	457	497	315	755	165	780	1242	490	3
225	507	547	340	830	165	920	1466	610	3
250	557	597	365	910	165	950	1578	620	4
300	657	697	415	1065	165	1270	2026	890	4

Technical parameter

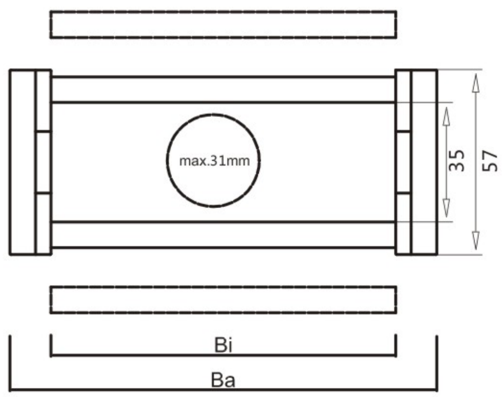
Unsupported length	≤3.5m
Gliding length	≤200m
Vertical hanging	≤80m
Vertical standing up	≤5m
Side unsupported	≤1.5m

Speed/acceleration FLG	≤10[m/s]/ 50[m/s²]
Speed/acceleration FLa	≤3[m/s]/6[m/s²]
Gliding speed/acceleration	≤ 5 [m/s]/30[m/s²]
Permitted temperature	-40℃~120℃
Retardant grade	UI94 HB

G35 SERIES
SPECIFICATION

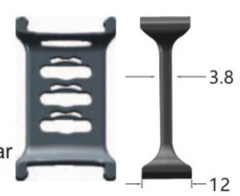
G35-Bridge Type

Cable Carrier Part No.	Bi	Ba	R								
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
G35.50.R	50	76	75	100	125	150	175	200	225	250	300
G35.75.R	75	101	75	100	125	150	175	200	225	250	300
G35.100.R	100	126	75	100	125	150	175	200	225	250	300
G35.125.R	125	151	75	100	125	150	175	200	225	250	300
G35.150.R	150	176	75	100	125	150	175	200	225	250	300
G35.175.R	175	201	75	100	125	150	175	200	225	250	300
G35.200.R	200	226	75	100	125	150	175	200	225	250	300
G35.250.R	250	276	75	100	125	150	175	200	225	250	300
G35.275.R	275	301	75	100	125	150	175	200	225	250	300
G35.300.R	300	326	75	100	125	150	175	200	225	250	300



Vertical separator G35.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar



Fixed vertical separator G35.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

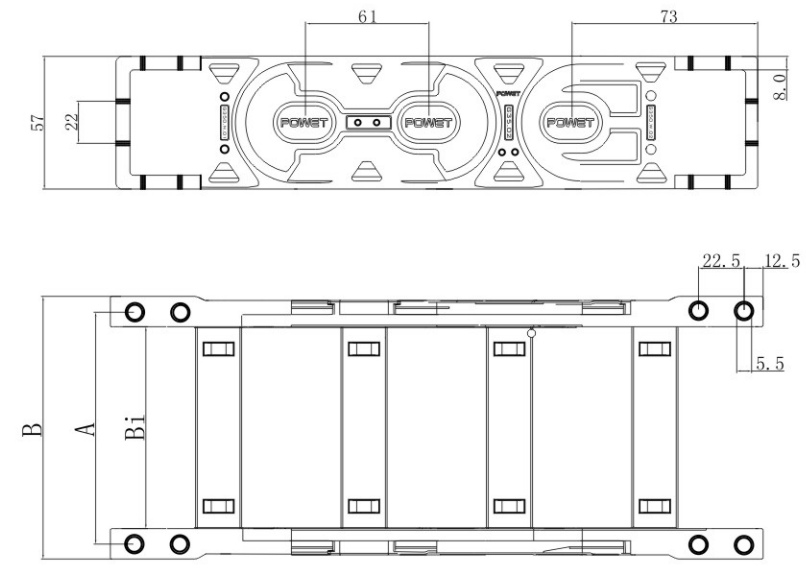
Order example：GH35.L

Cable chain order example

G35	.	75	.	R100	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Chain Main Body

More advice please consult POWET

G35 SERIES
BRACKETS



Brackets-Open Type

- Used for G35 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)
50	G350.050.A	G350.050.A.Z	G351.050.A	G351.050.A.Z	64	76
75	G350.075.A	G350.075.A.Z	G351.075.A	G351.075.A.Z	89	101
100	G350.100.A	G350.100.A.Z	G351.100.A	G351.100.A.Z	114	126
125	G350.125.A	G350.125.A.Z	G351.125.A	G351.125.A.Z	139	151
150	G350.150.A	G350.150.A.Z	G351.150.A	G351.150.A.Z	164	176
175	G350.175.A	G350.175.A.Z	G351.175.A	G351.175.A.Z	189	201
200	G350.200.A	G350.200.A.Z	G351.200.A	G351.200.A.Z	214	226
250	G350.250.A	G350.250.A.Z	G351.250.A	G351.250.A.Z	264	276
275	G350.275.A	G350.275.A.Z	G351.275.A	G351.275.A.Z	289	301
300	G350.300.A	G350.300.A.Z	G351.300.A	G351.300.A.Z	314	326

Bracket order example

G350	.	75	.	A	.	Z	/	C
Seires. Model		Inner Width Bi		Whole Set		Tie Wrap		C Shape Slots

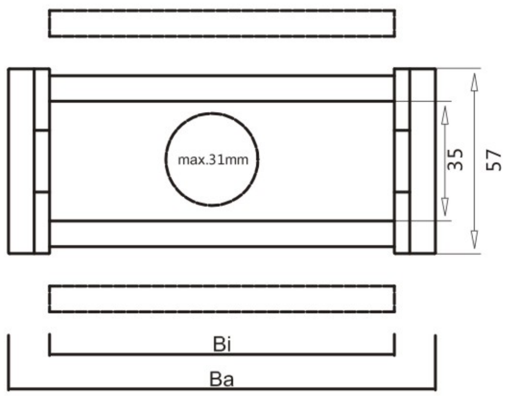
G series bracket have odd number type and even number difference
Odd number links+N bracket
Even number links+W bracket

More advice please consult POWET；tie wrap and C-shaped slot choose

GF35 SERIES
SPECIFICATION

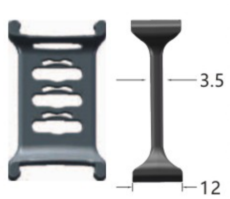
GF35-Full Enclosed Type

Cable Carrier Part No.	Bi	Ba	R								
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
GF35.50.R	50	76	100	125	150	175	200	225	300	-	-
GF35.75.R	75	101	100	125	150	175	200	225	300	-	-
GF35.100.R	100	126	100	125	150	175	200	225	300	-	-
GF35.125.R	125	151	100	125	150	175	200	225	300	-	-
GF35.150.R	150	176	100	125	150	175	200	225	300	-	-
* GF35.175.R	175	201	100	125	150	175	200	225	300	-	-
* GF35.200.R	200	226	100	125	150	175	200	225	300	-	-



Vertical separator G35.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar



Fixed vertical separator G35.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

Order example：GH35.L

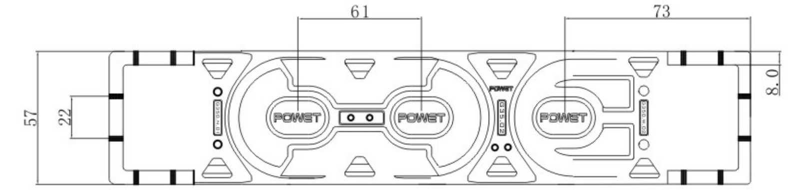
Cable chain order example

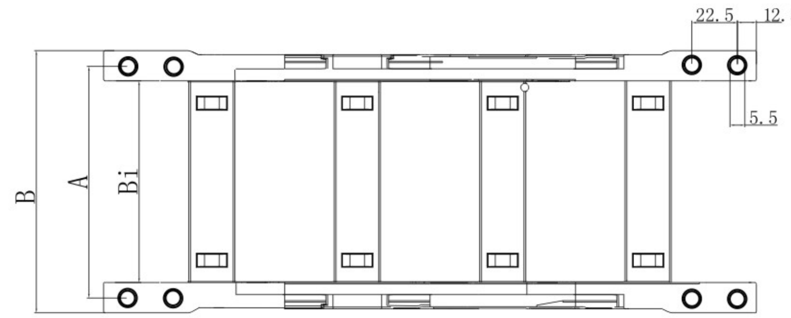
GF35	.	75	.	R100	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Chain Main Body

More advice please consult POWET

Default installation method：A1

GF35 SERIES
BRACKETS





Brackets-Close Type

- Used for GF35 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

mm

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)
50	GF350.050.A	G350.050.A.Z	G351.050.A	G351.050.A.Z	64	76
75	GF350.075.A	G350.075.A.Z	G351.075.A	G351.075.A.Z	89	101
100	GF350.100.A	G350.100.A.Z	G351.100.A	G351.100.A.Z	114	126
125	GF350.125.A	G350.125.A.Z	G351.125.A	G351.125.A.Z	139	151
150	GF350.150.A	G350.150.A.Z	G351.150.A	G351.150.A.Z	164	176
* 175	GF350.175.A	G350.175.A.Z	G351.175.A	G351.175.A.Z	189	201
* 200	GF350.200.A	G350.200.A.Z	G351.200.A	G351.200.A.Z	214	226

Bracket order example

G350	.	75	.	A	.	Z	/	C
Seires. Model		Inner Width Bi		Whole Set		Tie Wrap		C Shape Slots

G series bracket have odd number type and even number difference
Odd number links+N bracket
Even number links+W bracket

More advice please consult POWET；tie wrap and C-shaped slot choose

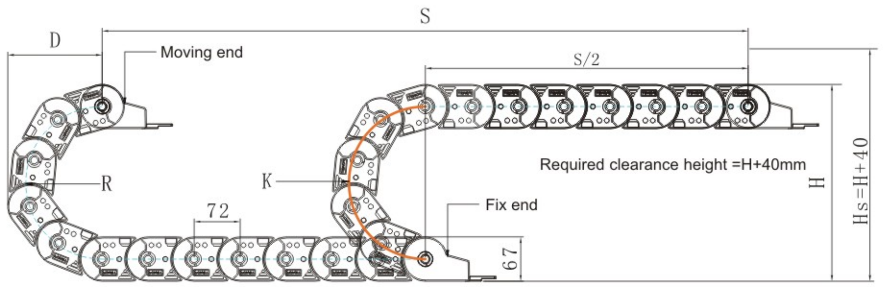
Default installation method：A1

POWET®
拖链系统 CABLE-CHAIN SYSTEM

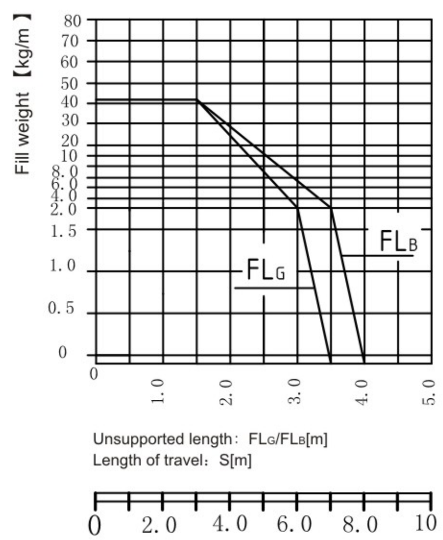
G45 SERIES
OVERVIEW

Pitch per link <P>: 72mm
Inner height <hi>: 45mm
Inner width <Bi>: 50-300mm
Links per meter = 14 links(1008mm)

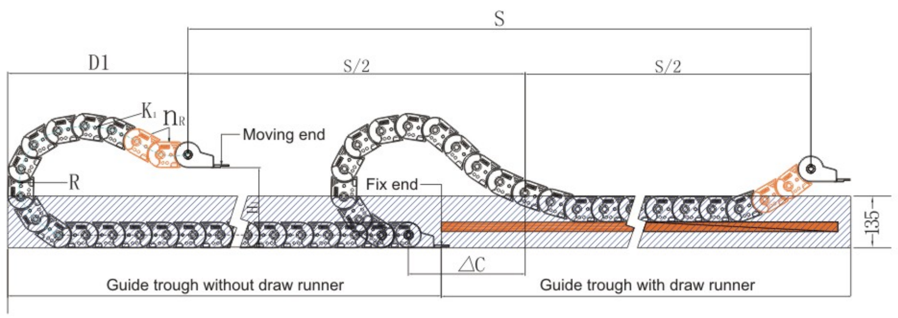
Unsupported application short travel $L_K=S/2+K$



Unsupported—load diagram



Gliding application long travel $L_K=S/2+K_1$



R	H	Hs	D	K	H1	D1	K1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
75	217	257	212	380	150	178	380	-	-
100	267	307	237	460	200	203	460	-	-
125	317	357	262	540	192	400	613	170	2
150	367	407	287	620	192	560	881	305	2
175	417	457	312	695	192	710	1082	440	2
200	467	507	337	775	192	760	1216	450	3
225	517	557	362	855	192	850	1350	520	3
250	567	607	387	930	192	1010	1551	650	4
300	667	707	437	1090	192	1140	1886	730	4

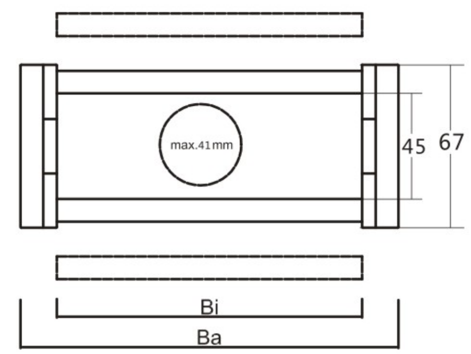
Technical parameter

Unsupported length	≤4.0m
Gliding length	≤300m
Vertical hanging	≤100m
Vertical standing up	≤6.0m
Side unsupported	≤2.0m
Speed/acceleration FLG	≤10[m/s]/ 50 [m/s²]
Speed/acceleration FLa	≤3[m/s]/6[m/s²]
Gliding speed/acceleration	≤ 5 [m/s]/30[m/s²]
Permitted temperature	-40℃~120℃
Retardant grade	Ul94 HB

G45 SERIES
SPECIFICATION

G45-Open Type

Cable Carrier Part No.	Bi	Ba	R								
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
G45.50.R	50	76	75	100	125	150	175	200	225	250	300
G45.75.R	75	101	75	100	125	150	175	200	225	250	300
G45.100.R	100	126	75	100	125	150	175	200	225	250	300
G45.125.R	125	151	75	100	125	150	175	200	225	250	300
G45.150.R	150	176	75	100	125	150	175	200	225	250	300
G45.175.R	175	201	75	100	125	150	175	200	225	250	300
G45.200.R	200	226	75	100	125	150	175	200	225	250	300
G45.250.R	250	276	75	100	125	150	175	200	225	250	300
G45.275.R	275	301	75	100	125	150	175	200	225	250	300
G45.300.R	300	326	75	100	125	150	175	200	225	250	300



Vertical separator G45.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar

Fixed vertical separator G45.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

Order example: GH45.L

Cable chain order example

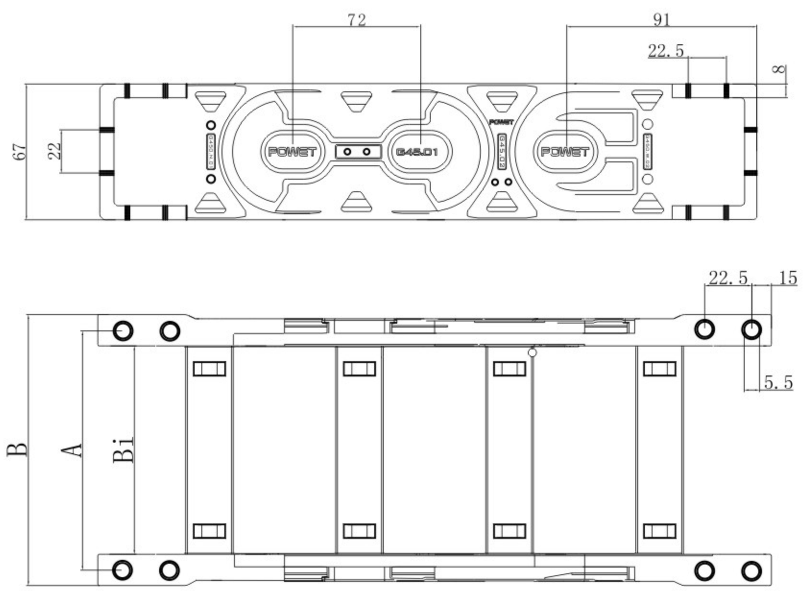
G45	.	100	.	R100	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Chain Main Body

More advice please consult POWET

Default installation method: A1

POWET
拖链系统 CABLE-CHAIN SYSTEM

G45 SERIES
BRACKETS



Brackets-Open Type

- Used for G45 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)
50	G450.050.A	G450.050.A.Z	G451.050.A	G451.050.A.Z	66	80
75	G450.075.A	G450.075.A.Z	G451.075.A	G451.075.A.Z	91	105
100	G450.100.A	G450.100.A.Z	G451.100.A	G451.100.A.Z	116	130
125	G450.125.A	G450.125.A.Z	G451.125.A	G451.125.A.Z	141	155
150	G450.150.A	G450.150.A.Z	G451.150.A	G451.150.A.Z	166	180
175	G450.175.A	G450.175.A.Z	G451.175.A	G451.175.A.Z	191	205
200	G450.200.A	G450.200.A.Z	G451.200.A	G451.200.A.Z	216	230
250	G450.250.A	G450.250.A.Z	G451.250.A	G451.250.A.Z	266	280
275	G450.275.A	G450.275.A.Z	G451.275.A	G451.275.A.Z	291	305
300	G450.300.A	G450.300.A.Z	G451.300.A	G451.300.A.Z	316	330

Bracket order example

G450	.	100	.	A	.	Z	/	C
Seires. Model		Inner Width Bi		Whole Set		Tie Wrap		C Shape Slots

G series bracket have odd number type and even number difference
Odd number links+N bracket
Even number links+W bracket

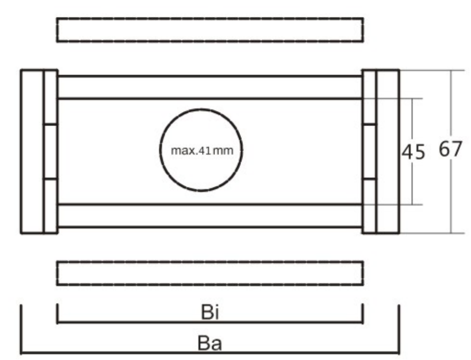
More advice please consult POWET; tie wrap and C-shaped slot choose

Default installation method: A1

GF45 SERIES
SPECIFICATION

GF45-Full Enclosed Type

Cable Carrier Part No.	Bi	Ba	R								
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
GF45.050.R	50	76	125	150	175	200	225	250	300	-	-
GF45.075.R	75	101	125	150	175	200	225	250	300	-	-
GF45.100.R	100	126	125	150	175	200	225	250	300	-	-
GF45.125.R	125	151	125	150	175	200	225	250	300	-	-
GF45.150.R	150	176	125	150	175	200	225	250	300	-	-
GF45.175.R	175	201	125	150	175	200	225	250	300	-	-
GF45.200.R	200	226	125	150	175	200	225	250	300	-	-



Vertical separator G45.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar

Fixed vertical separator G45.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

Order example: GH45.L

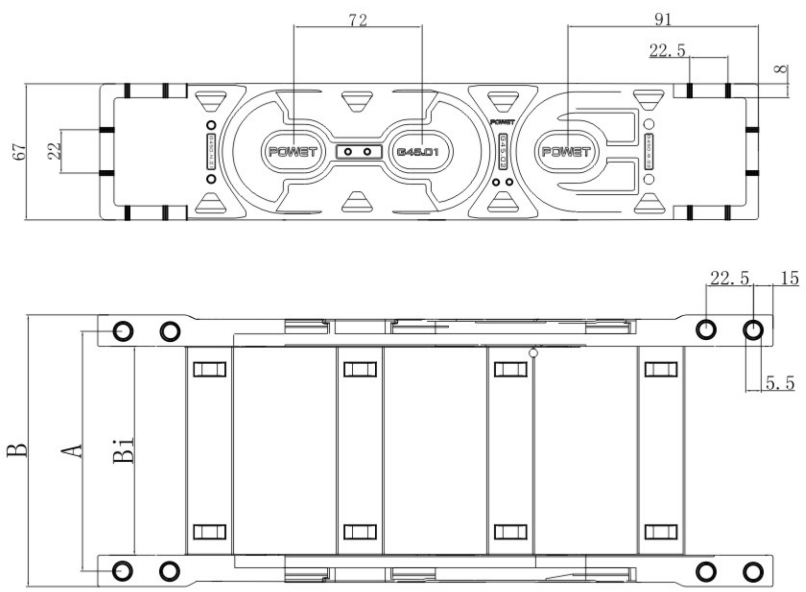
Cable chain order example

GF45	.	100	.	R100	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Chain Main Body

More advice please consult POWET

Default installation method: A1

GF45 SERIES
BRACKETS



Brackets-Close Type

- Used for GF45 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)
50	GF450.050.A	GF450.050.A.Z	GF451.050.A	GF451.050.A.Z	66	80
75	GF450.075.A	GF450.075.A.Z	GF451.075.A	GF451.075.A.Z	91	105
100	GF450.100.A	GF450.100.A.Z	GF451.100.A	GF451.100.A.Z	116	130
125	GF450.125.A	GF450.125.A.Z	GF451.125.A	GF451.125.A.Z	141	155
150	GF450.150.A	GF450.150.A.Z	GF451.150.A	GF451.150.A.Z	166	180
175	GF450.175.A	GF450.175.A.Z	GF451.175.A	GF451.175.A.Z	191	205
200	GF450.200.A	GF450.200.A.Z	GF451.200.A	GF451.200.A.Z	216	230

Bracket order example

GF450	.	100	.	A	.	Z	/	C
Seires. Model		Inner Width Bi		Whole Set		Tie Wrap		C Shape Slots

G series bracket have odd number type and even number difference
Odd number links+N bracket
Even number links+W bracket

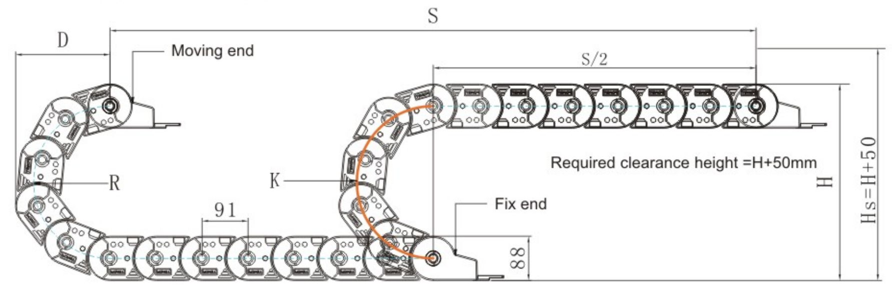
More advice please consult POWET; tie wrap and C-shaped slot choose

Default installation method: A1

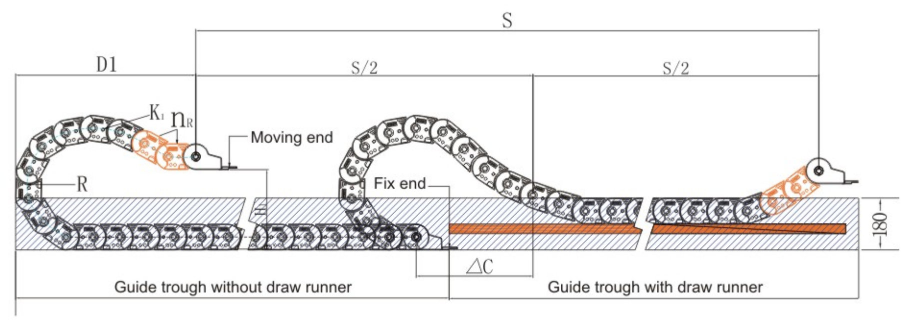
G60 SERIES
OVERVIEW

Pitch per link <P>: 91mm
Inner height <hi>: 60mm
Inner width <Bi>: 75-500mm
Links per meter = 11 links(1001mm)

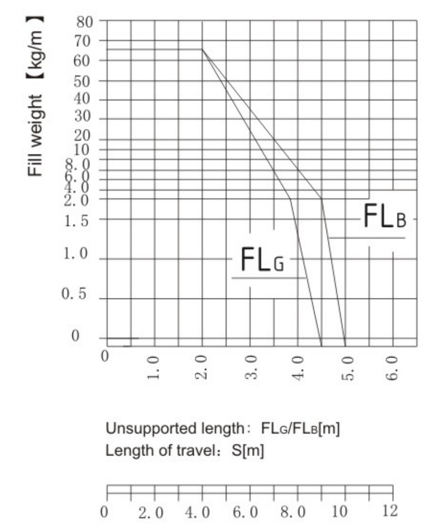
Unsupported application short travel $L_K = S/2 + K$



Gliding application long travel $L_K = S/2 + K_1$



Unsupported—load diagram



R	H	Hs	D	K	H_1	D_1	K_1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
135	358	408	316	610	270	316	610	-	-
150	388	438	331	655	264	500	819	210	2
175	438	488	356	735	264	560	910	240	2
200	488	538	381	815	264	690	1092	335	2
225	588	638	431	970	264	850	1365	455	3
300	688	738	481	1125	264	1080	1729	630	3
350	788	838	531	1285	264	1390	2184	890	3
400	888	938	581	1440	264	1460	2457	920	4
450	988	1038	631	1600	264	1770	2912	1180	4
500	1088	1138	681	1755	264	2090	3276	1450	4

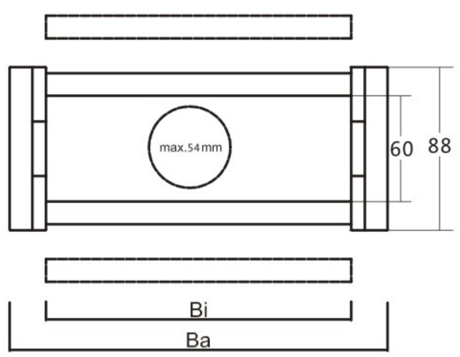
Technical parameter

Unsupported length	≤5m	Speed/acceleration FL_G	≤10[m/s]/50[m/s²]
Gliding length	≤350m	Speed/acceleration FLa	≤3[m/s]/6[m/s²]
Vertical hanging	≤100m	Gliding speed/acceleration	≤5[m/s]/30[m/s²]
Vertical standing up	≤6m	Permitted temperature	-40℃~120℃
Side unsupported	≤2.5m	Retardant grade	Ul94 HB

G60 SERIES
SPECIFICATION

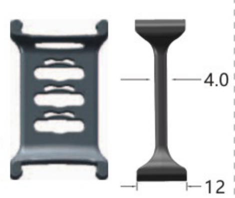
G60-Bridge Type

Cable Carrier Part No.	Bi	Ba	R									
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
G60.75.R	75	109	135	150	175	200	250	300	350	400	450	500
G60.100.R	100	134	135	150	175	200	250	300	350	400	450	500
G60.125.R	125	159	135	150	175	200	250	300	350	400	450	500
G60.150.R	150	184	135	150	175	200	250	300	350	400	450	500
G60.175.R	175	209	135	150	175	200	250	300	350	400	450	500
G60.200.R	200	234	135	150	175	200	250	300	350	400	450	500
G60.250.R	250	284	135	150	175	200	250	300	350	400	450	500
G60.275.R	275	309	135	150	175	200	250	300	350	400	450	500
G60.300.R	300	334	135	150	175	200	250	300	350	400	450	500
G60.350.R	350	384	135	150	175	200	250	300	350	400	450	500
G60.400.R	400	434	135	150	175	200	250	300	350	400	450	500
G60.450.R	450	484	135	150	175	200	250	300	350	400	450	500
G60.500.R	500	534	135	150	175	200	250	300	350	400	450	500



Vertical separator G60.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar
- Slingshot design effectively compensates for internal high deviation



Fixed vertical separator
G60.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

Order example: GH60.L

Cable chain order example

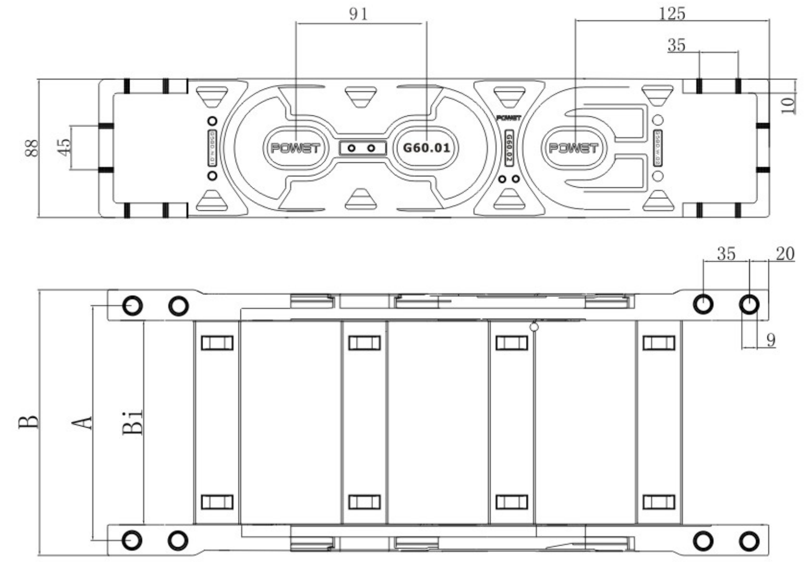
G60 • 100 • R100 — L1000

Seires. Model | Inner Width Bi | Bending Radius R | Length Of Chain Main Body

More advice please consult POWET; tie wrap and C-shaped slot choose

Default installation method: A1

G60 SERIES
BRACKETS



Brackets-Open Type

- Used for G60 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)
75	G600.075.A	G600.075.A.Z	G601.075.A	G601.075.A.Z	98	116
100	G600.100.A	G600.100.A.Z	G601.100.A	G601.100.A.Z	123	141
125	G600.125.A	G600.125.A.Z	G601.125.A	G601.125.A.Z	148	166
150	G600.150.A	G600.150.A.Z	G601.150.A	G601.150.A.Z	173	191
175	G600.175.A	G600.175.A.Z	G601.175.A	G601.175.A.Z	198	216
200	G600.200.A	G600.200.A.Z	G601.200.A	G601.200.A.Z	223	241
250	G600.250.A	G600.250.A.Z	G601.250.A	G601.250.A.Z	273	291
275	G600.275.A	G600.275.A.Z	G601.275.A	G601.275.A.Z	298	316
300	G600.300.A	G600.300.A.Z	G601.300.A	G601.300.A.Z	323	341
350	G600.350.A	G600.350.A.Z	G601.350.A	G601.350.A.Z	373	391
400	G600.400.A	G600.400.A.Z	G601.400.A	G601.400.A.Z	423	441
450	G600.450.A	G600.450.A.Z	G601.450.A	G601.450.A.Z	473	491
500	G600.500.A	G600.500.A.Z	G601.500.A	G601.500.A.Z	523	541

Bracket order example

G600 • 100 • A • Z / C

Seires. Model | Inner Width Bi | Whole Set | Tie Wrap | C Shape Slots

G series bracket have odd number type and even number difference
Odd number links+N bracket
Even number links+W bracket

More advice please consult POWET; tie wrap and C-shaped slot choose

Default installation method: A1

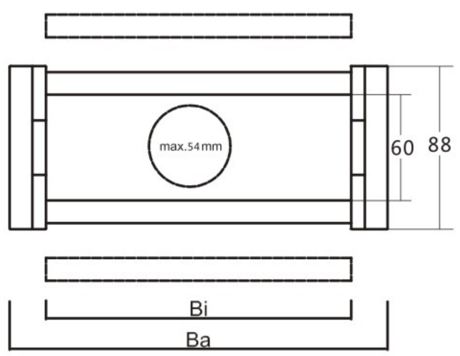
POWET
拖链系统 CABLE-CHAIN SYSTEM

GF60 SERIES

SPECIFICATION

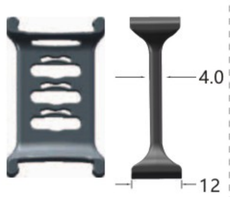
GF60-Full Enclosed Type

Cable Carrier Part No.	Bi	Ba	R									
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
GF60.100.R	100	134	175	200	250	300	350	400	450	500	-	-
GF60.125.R	125	159	175	200	250	300	350	400	450	500	-	-
GF60.150.R	150	184	175	200	250	300	350	400	450	500	-	-
GF60.175.R	175	209	175	200	250	300	350	400	450	500	-	-
GF60.200.R	200	234	175	200	250	300	350	400	450	500	-	-
GF60.250.R	250	284	175	200	250	300	350	400	450	500	-	-
GF60.300.R	300	334	175	200	250	300	350	400	450	500	-	-
GF60.350.R	350	384	175	200	250	300	350	400	450	500	-	-
GF60.400.R	400	434	175	200	250	300	350	400	450	500	-	-



Vertical separator G60.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar



Fixed vertical separator G60.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar
- Slingshot design effectively compensates for internal high deviation

Horizontal separator

Order example：GH60.L

Cable chain order example

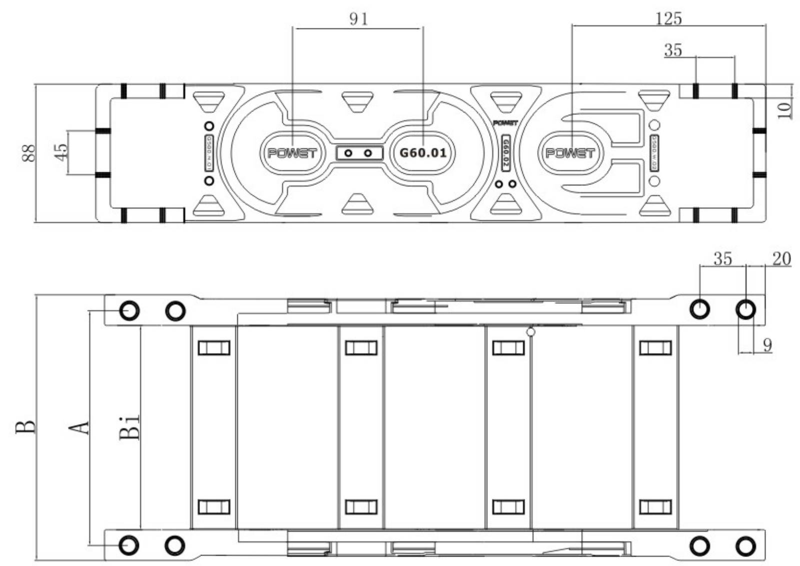
GF60	.	100	.	R100	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Chain Main Body

More advice please consult POWET；tie wrap and C-shaped slot choose

Default installation method：A1

GF60 SERIES

BRACKETS



Brackets-Close Type

- Used for GF60 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)
100	GF600.100.A	GF600.100.A.Z	GF601.100.A	GF601.100.A.Z	123	141
125	GF600.125.A	GF600.125.A.Z	GF601.125.A	GF601.125.A.Z	148	166
150	GF600.150.A	GF600.150.A.Z	GF601.150.A	GF601.150.A.Z	173	191
175	GF600.175.A	GF600.175.A.Z	GF601.175.A	GF601.175.A.Z	198	216
200	GF600.200.A	GF600.200.A.Z	GF601.200.A	GF601.200.A.Z	223	241
250	GF600.250.A	GF600.250.A.Z	GF601.250.A	GF601.250.A.Z	273	291
300	GF600.300.A	GF600.300.A.Z	GF601.300.A	GF601.300.A.Z	323	341
350	GF600.350.A	GF600.350.A.Z	GF601.350.A	GF601.350.A.Z	373	391
400	GF600.400.A	GF600.400.A.Z	GF601.400.A	GF601.400.A.Z	423	441

Bracket order example

GF600	.	100	.	A	.	Z	/	C
Seires. Model		Inner Width Bi		Whole Set		Tie Wrap		C Shape Slots

G series bracket have odd number type and even number difference
Odd number links+N bracket
Even number links+W bracket

More advice please consult POWET；tie wrap and C-shaped slot choose

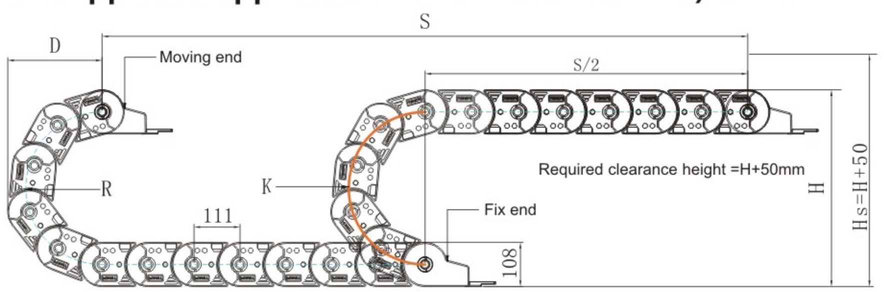
Default installation method：A1

POWET
拖链系统 CABLE-CHAIN SYSTEM

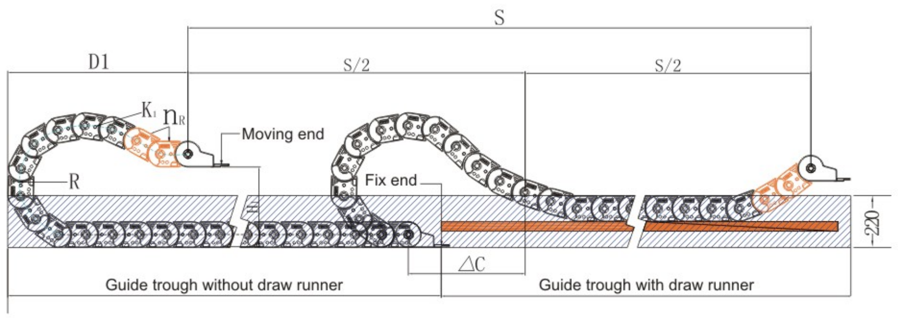
G80 SERIES
OVERVIEW

Pitch per link <P>: 111mm
Inner height <hi>: 80mm
Inner width <Bi>: 75-500mm
Links per meter = 9 links(999mm)

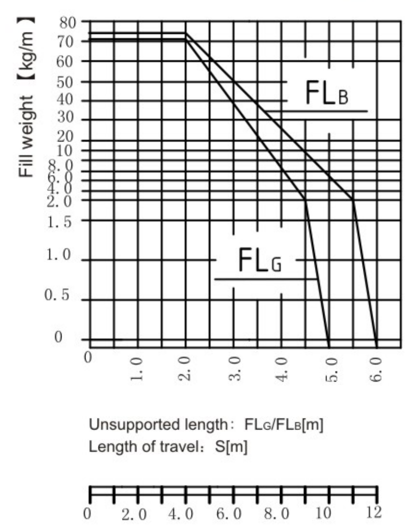
Unsupported application short travel $L_K=S/2+K$



Gliding application long travel $L_K=S/2+K_1$



Unsupported—load diagram



R	H	Hs	D	K	H1	D1	K1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
150	408	458	371	695	300	371	695	-	-
175	458	508	396	775	350	396	775	-	-
200	508	558	421	855	324	650	999	275	2
250	608	658	471	1010	324	840	1332	415	2
300	708	758	521	1165	324	1020	1665	550	3
350	808	858	571	1325	324	1290	1998	760	3
400	908	958	621	1480	324	1550	2442	980	3
450	1008	1058	671	1640	324	1630	2664	1010	4
500	1108	1158	721	1795	324	1890	3108	1220	4
600	1308	1358	821	2110	324	2530	3996	1760	4

Technical parameter

Unsupported length	≤6m
Gliding length	≤350m
Vertical hanging	≤100m
Vertical standing up	≤6m
Side unsupported	≤2.5m

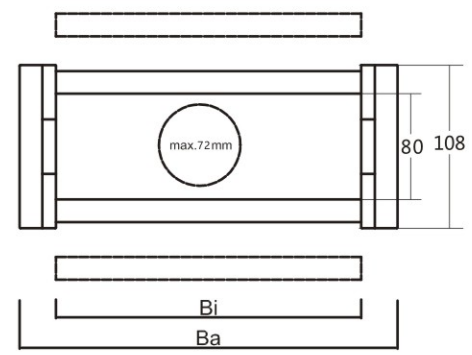
Speed/acceleration FLG	≤10[m/s]/50[m/s²]
Speed/acceleration FLa	≤3[m/s]/6[m/s²]
Gliding speed/acceleration	≤5[m/s]/30[m/s²]
Permitted temperature	-40℃~120℃
Retardant grade	Ul94 HB

G80 SERIES
SPECIFICATION

G80-Bridge Type

Cable Carrier Part No.	Bi	Ba	R									
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
G80.75.R	75	125	150	175	200	250	300	350	400	450	500	600
G80.100.R	100	150	150	175	200	250	300	350	400	450	500	600
G80.125.R	125	175	150	175	200	250	300	350	400	450	500	600
G80.150.R	150	200	150	175	200	250	300	350	400	450	500	600
G80.175.R	175	225	150	175	200	250	300	350	400	450	500	600
G80.200.R	200	250	150	175	200	250	300	350	400	450	500	600
G80.250.R	250	300	150	175	200	250	300	350	400	450	500	600
G80.275.R	275	325	150	175	200	250	300	350	400	450	500	
G80.300.R	300	350	150	175	200	250	300	350	400	450	500	600
G80.350.R	350	400	150	175	200	250	300	350	400	450	500	600
G80.400.R	400	450	150	175	200	250	300	350	400	450	500	600
G80.450.R	450	500	150	175	200	250	300	350	400	450	500	600
G80.500.R	500	550	150	175	200	250	300	350	400	450	500	600

Slingshot design effectively compensates for internal high deviation



Vertical separator G80.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar
- Slingshot design effectively compensates for internal high deviation

Fixed vertical separator
G80.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

Order example: GH80.L

Cable chain order example

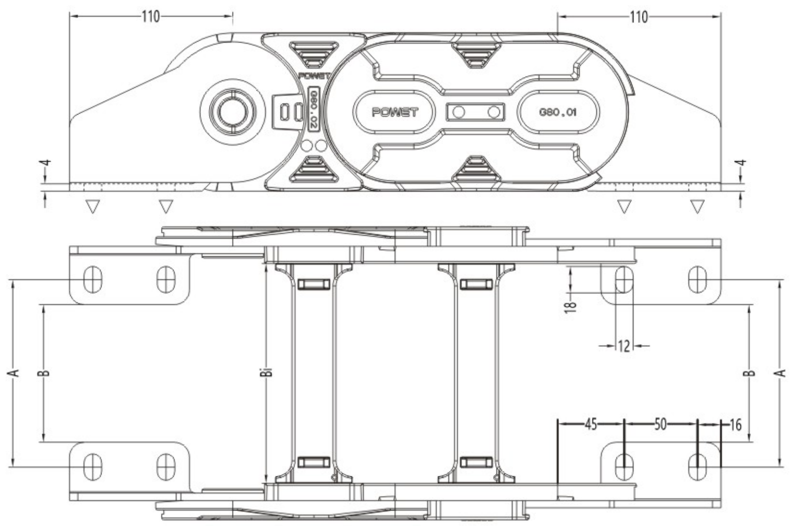
G80	.	100	.	R100	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Chain Main Body

More advice please consult POWET

Default installation method: A1

G80 SERIES

STEEL BRACKETS



Steel Brackets-Standard

- Used for G80 series cable chain
- M10 bolts can be fixed from both bottom and top positions through adjusting the joint
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With C-Shape Slots	Without Tiewrap	With C-Shape Slots	(mm)	(mm)
75	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	53	23
100	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	78	48
125	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	103	73
150	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	128	98
175	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	153	123
200	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	178	148
250	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	228	198
275	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	253	223
300	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	278	248
350	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	328	298
400	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	378	348
450	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	428	398
500	G800.1.A	G800.1.A.C	G801.2.A	G801.2.A.C	478	448

Bracket order example

Customize steel brackets are available, please contact POWET!

G800	.	1	.	A	.	C
Seires. Model		Stationary Type		Whole Set		C Shape Slots

G series bracket have odd number type and even number difference

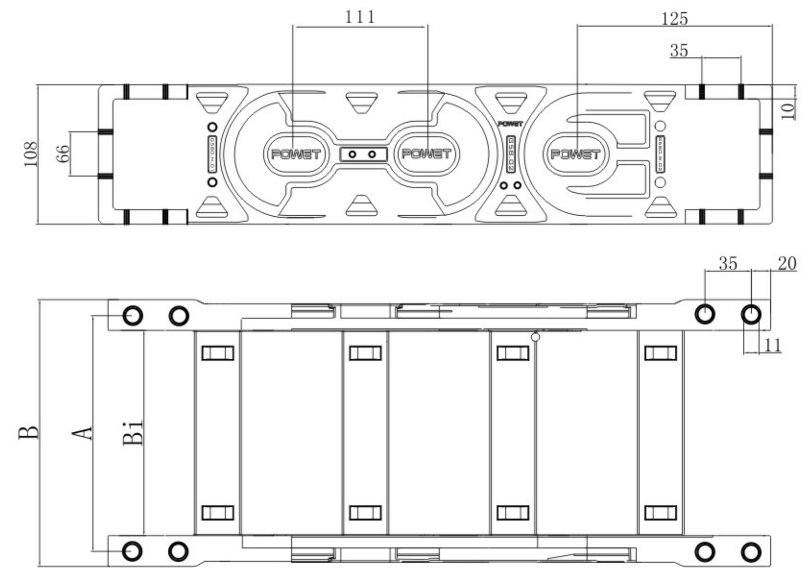
Odd number links+N bracket
Even number links+W bracket

More advice please consult POWET

Default installation method: A1

G80 SERIES

STEEL BRACKETS



Brackets-Open Type

- Used for G80 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With C-Shape Slots	Without Tiewrap	With C-Shape Slots	(mm)	(mm)
75	G800.075.A	G800.075.A.C	G801.075.A	G801.075.A.C	103	125
100	G800.100.A	G800.100.A.C	G801.100.A	G801.100.A.C	128	150
150	G800.150.A	G800.150.A.C	G801.150.A	G801.150.A.C	178	200
175	G800.175.A	G800.175.A.C	G801.175.A	G801.175.A.C	203	225
200	G800.200.A	G800.200.A.C	G801.200.A	G801.200.A.C	228	250
250	G800.250.A	G800.250.A.C	G801.250.A	G801.250.A.C	278	300
300	G800.300.A	G800.300.A.C	G801.300.A	G801.300.A.C	328	350
350	G800.350.A	G800.350.A.C	G801.350.A	G801.350.A.C	378	400
400	G800.400.A	G800.400.A.C	G801.400.A	G801.400.A.C	428	450

Bracket order example

G800	.	100	.	A	.	Z	/	C
Seires. Model		Inner Width Bi		Whole Set		Tie Wrap		C Shape Slots

G series bracket have odd number type and even number difference

Odd number links+N bracket
Even number links+W bracket

More advice please consult POWET; tie wrap and C-shaped slot choose

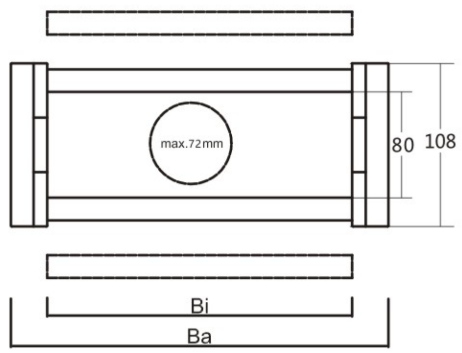
Default installation method: A1

POWET
拖链系统 CABLE-CHAIN SYSTEM

GF80 SERIES
SPECIFICATION

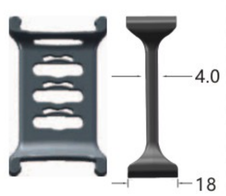
G80-Full Enclosed Type

Cable Carrier Part No.	Bi	Ba	R									
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
GF80.75.R	75	125	150	175	200	250	300	350	400	450	500	600
GF80.100.R	100	150	150	175	200	250	300	350	400	450	500	600
GF80.125.R	125	175	150	175	200	250	300	350	400	450	500	600
GF80.150.R	150	200	150	175	200	250	300	350	400	450	500	600
GF80.175.R	175	225	150	175	200	250	300	350	400	450	500	600
GF80.200.R	200	250	150	175	200	250	300	350	400	450	500	600
GF80.250.R	250	300	150	175	200	250	300	350	400	450	500	600
GF80.300.R	300	350	150	175	200	250	300	350	400	450	500	600
GF80.350.R	350	400	150	175	200	250	300	350	400	450	500	600
GF80.400.R	400	450	150	175	200	250	300	350	400	450	500	600
GF80.450.R	450	500	150	175	200	250	300	350	400	450	500	600
GF80.500.R	500	550	150	175	200	250	300	350	400	450	500	600



Vertical separator G80.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar
- Slingshot design effectively compensates for internal high deviation



Fixed vertical separator G80.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

Order example：GH80.L

Cable chain order example

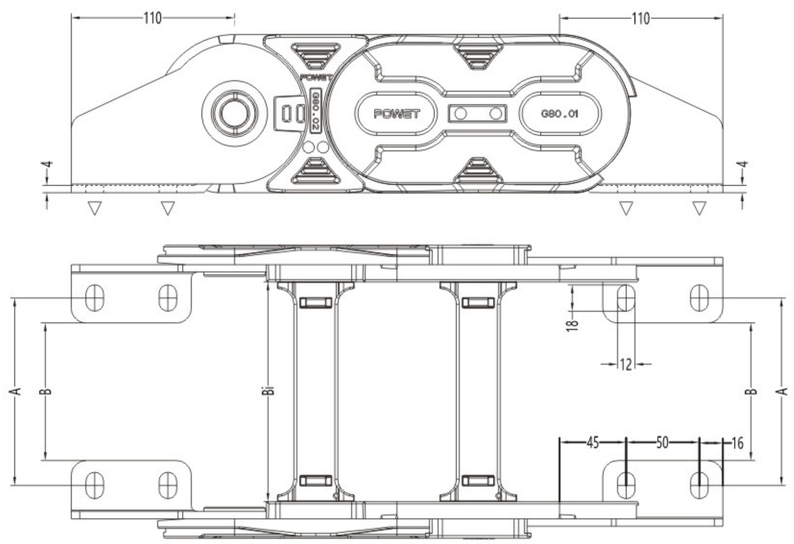
GF80 . 100 . R100 — L1000

Seires. Model | Inner Width Bi | Bending Radius R | Length Of Chain Main Body

More advice please consult POWET

Default installation method：A1

GF80 SERIES
STEEL BRACKETS



Steel Brackets-Standard

- Used for GF80 series cable chain
- M10 bolts can be fixed from both bottom and top positions through adjusting the joint
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

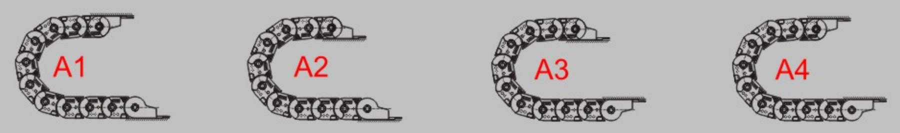
Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With C-Shape Slots	Without Tiewrap	With C-Shape Slots	(mm)	(mm)
75	GF800.1.A	GF800.1.A.C	GF801.2.A	GF801.2.A.C	53	23
100	GF800.1.A	GF800.1.A.C	GF801.2.A	GF801.2.A.C	78	48
125	GF800.1.A	GF800.1.A.C	GF801.2.A	GF801.2.A.C	103	73
150	GF800.1.A	GF800.1.A.C	GF801.2.A	GF801.2.A.C	128	98
175	GF800.1.A	GF800.1.A.C	GF801.2.A	GF801.2.A.C	153	123
200	GF800.1.A	GF800.1.A.C	GF801.2.A	GF801.2.A.C	178	148
250	GF800.1.A	GF800.1.A.C	GF801.2.A	GF801.2.A.C	228	198
300	GF800.1.A	GF800.1.A.C	GF801.2.A	GF801.2.A.C	278	248
350	GF800.1.A	GF800.1.A.C	GF801.2.A	GF801.2.A.C	328	298
400	GF800.1.A	GF800.1.A.C	GF801.2.A	GF801.2.A.C	378	348
450	GF800.1.A	GF800.1.A.C	GF801.2.A	GF801.2.A.C	428	398
500	GF800.1.A	GF800.1.A.C	GF801.2.A	GF801.2.A.C	478	448

Bracket order example

Customize steel brackets are available, please contact POWET!

GF800 . 1 . A . C

Seires. Model | Stationary Type | Whole Set | C Shape Slots



G series bracket have odd number type and even number difference

Odd number links+N bracket

Even number links+W bracket

More advice please consult POWET

Default installation method：A1

G SERIES

EXTERNAL OPTICAL FIBER BUCKLE

External buckle

- Quickly fill or remove bellows/cables, saving time and cost
- The buckle can be installed on the left, right sides or inside of the cable chain
- Suit for standard bellows diameter 17,23 mm
- Standard configuration: 1 set of buckle for every 2 chain links
- The product code includes the buckle spare parts, bellows need order separately

G35 Series Part No.	A(mm)	B(mm)	C(mm)	
G35.Bi.R+PH17	34	30	17	Bi=050|075|100|125|150|175|200|225|250|300
G35.Bi.R+PH23	42	38.5	23	R=075|100|125|150|175|200|225|250|300|350

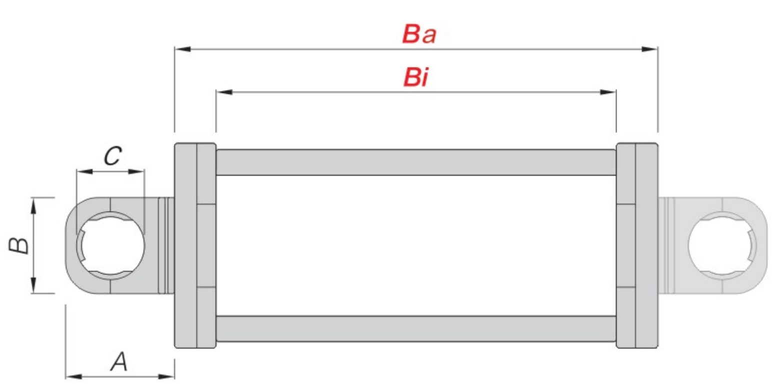
G45 Series Part No.	A(mm)	B(mm)	C(mm)	
G45.Bi.R+PH17	34	30	17	Bi=050|075|100|125|150|175|200|225|250|300
G45.Bi.R+PH23	42	38.5	23	R=075|100|125|150|175|200|225|250|300|350

G60 Series Part No.	A(mm)	B(mm)	C(mm)	
G60.Bi.R+PH17	34	30	17	Bi=075|100|125|150|175|200|225|250|300 |350|400|450|500
G60.Bi.R+PH23	42	38.5	23	R=135|150|175|200|225|250|300|350|400|450|500

G80 Series Part No.	A(mm)	B(mm)	C(mm)	
G80.Bi.R+PH17	34	30	17	Bi=075|100|125|150|175|200|225|250|300 |350|400|450|500
G80.Bi.R+PH23	42	38.5	23	R=135|150|175|200|225|250|300|350|400|450|500

* View from fixed end of cable chain, the buckle can be position on the left, right, or inside of the cable chain.
* Some widths and bending radius aren't suit for buckle inner mounting, please consult us.

The external buckle is also suitable for GF35/GF45/GF60/GF80 full enclosed series cable chain



More details please contact POWET

POWET®

CABLE CHAIN P SERIES

Light structural、load unsupported model

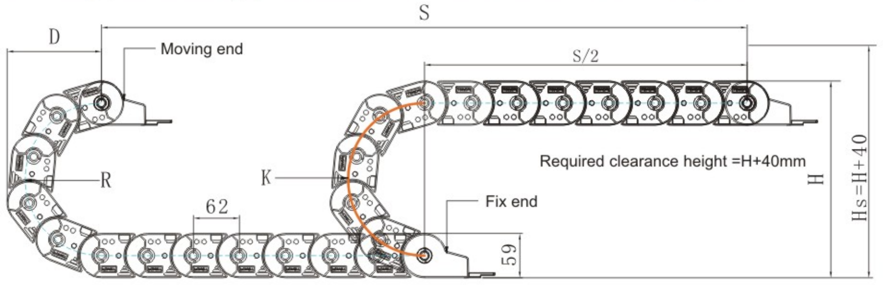
Series	Inner height <hi>	Outer height <H>	Inner width <Bi >	Outer width <Ba>	Bending radius <R>	Pitch <p>	Page
	mm	mm	mm	mm	mm	mm	
P35	35	59	50-300	72-322	75-300	62	84
P45	45	69	50-300	74-324	75-300	74	89
P58	58	88	75-500	101-526	135-500	91	94
PF35	35	59	50-300	72-322	100-300	62	87
PF45	45	69	50-300	74-324	125-300	74	92
PF58	58	88	100-400	126-426	150-500	91	97

P35 SERIES

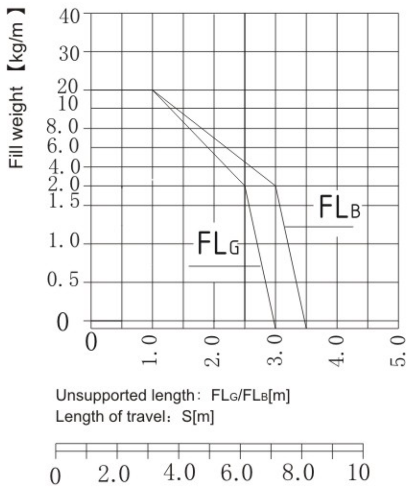
OVERVIEW

Pitch per link <P>: 62mm
Inner height <hi>: 35mm
Inner width <Bi>: 75-300mm
Links per meter = 16 links(992mm)

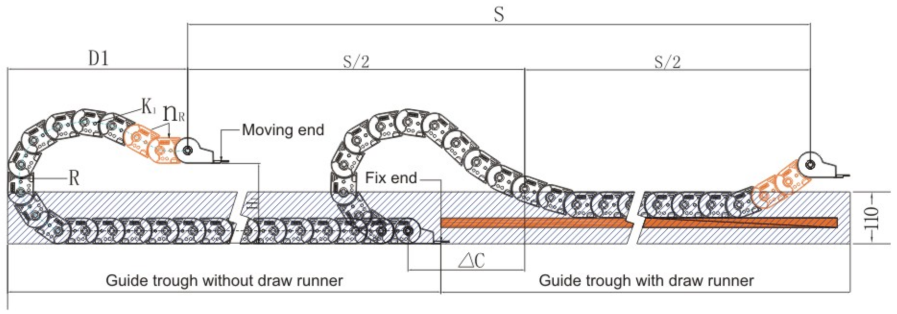
Unsupported application short travel $L_K=S/2+K$



Unsupported—load diagram



Gliding application long travel $L_K=S/2+K_1$



R	H	Hs	D	K	H1	D1	K1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
75	209	249	190	360	153	186	360	-	-
100	259	299	215	440	165	325	514	140	2
125	309	349	240	515	165	465	738	255	2
150	359	399	265	595	165	510	850	280	3
175	409	449	290	675	165	600	1018	340	3
200	459	499	315	755	165	780	1242	490	3
225	509	549	340	830	165	920	1466	610	3
250	559	599	365	910	165	950	1578	620	4
300	659	699	415	1065	165	1270	2026	890	4

Technical parameter

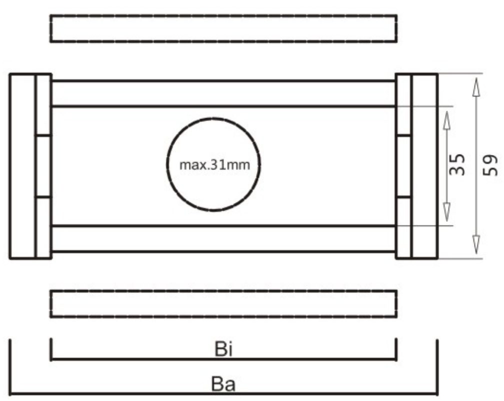
Unsupported length	≤3.5m
Gliding length	≤200m
Vertical hanging	≤80m
Vertical standing up	≤5m
Side unsupported	≤1.5m

Speed/acceleration FL_G	≤10[m/s]/ 50[m/s²]
Speed/acceleration FLa	≤3[m/s]/6[m/s²]
Gliding speed/acceleration	≤ 5 [m/s]/30[m/s²]
Permitted temperature	-40℃~120℃
Retardant grade	Ul94 HB

P35 SERIES
SPECIFICATION

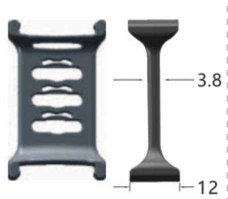
P35-Bridge Type

Cable Carrier Part No.	Bi	Ba	R								
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
P35.50.R	50	72	75	100	125	150	175	200	225	250	300
P35.75.R	75	97	75	100	125	150	175	200	225	250	300
P35.100.R	100	122	75	100	125	150	175	200	225	250	300
P35.125.R	125	147	75	100	125	150	175	200	225	250	300
P35.150.R	150	172	75	100	125	150	175	200	225	250	300
P35.175.R	175	197	75	100	125	150	175	200	225	250	300
P35.200.R	200	222	75	100	125	150	175	200	225	250	300
P35.250.R	250	272	75	100	125	150	175	200	225	250	300
P35.275.R	275	297	75	100	125	150	175	200	225	250	300
P35.300.R	300	322	75	100	125	150	175	200	225	250	300



Vertical separator P35.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar



Fixed vertical separator P35.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

Order example：PH35.L

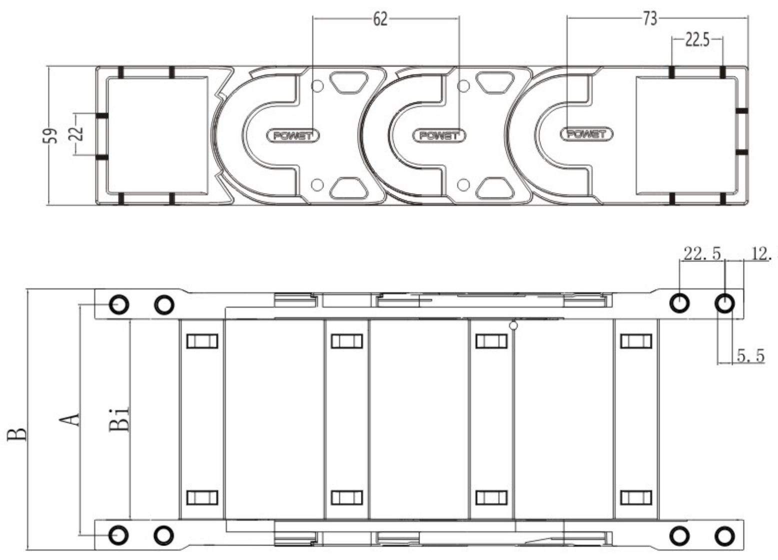
Cable chain order example

P35	.	75	.	R100	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Chain Main Body

More advice please consult POWET

Default installation method：A1

P35 SERIES
BRACKETS



Brackets-Open Type

- Used for P35 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With Tiewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)
50	P350.050.A	P350.050.A.Z	P351.050.A	P351.050.A.Z	64	76
75	P350.075.A	P350.075.A.Z	P351.075.A	P351.075.A.Z	89	101
100	P350.100.A	P350.100.A.Z	P351.100.A	P351.100.A.Z	114	126
125	P350.125.A	P350.125.A.Z	P351.125.A	P351.125.A.Z	139	151
150	P350.150.A	P350.150.A.Z	P351.150.A	P351.150.A.Z	164	176
175	P350.175.A	P350.175.A.Z	P351.175.A	P351.175.A.Z	189	201
200	P350.200.A	P350.200.A.Z	P351.200.A	P351.200.A.Z	214	226
250	P350.250.A	P350.250.A.Z	P351.250.A	P351.250.A.Z	264	276
275	P350.275.A	P350.275.A.Z	P351.275.A	P351.275.A.Z	289	301
300	P350.300.A	P350.300.A.Z	P351.300.A	P351.300.A.Z	314	326

Bracket order example

P350	.	75	.	A	.	Z	/	C
Seires. Model		Inner Width Bi		Whole Set		Tie Wrap		C Shape Slots

More advice please consult POWET；tie wrap and C-shaped slot choose

Default installation method：A1

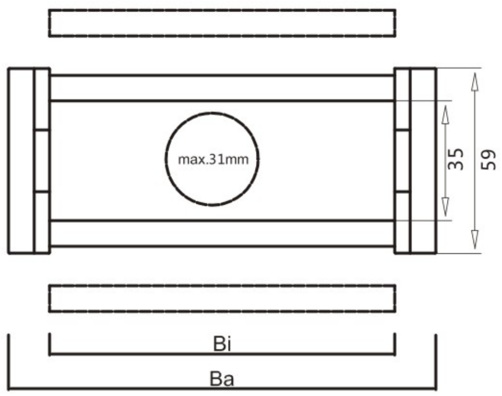
POWET
拖链系统 CABLE-CHAIN SYSTEM

PF35 SERIES

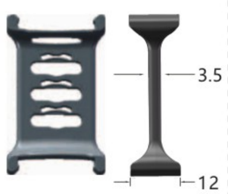
SPECIFICATION

PF35-Full Enclosed Type

Cable Carrier Part No.	Bi	Ba	R								
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
PF35.50.R	50	72	100	125	150	175	200	225	300	-	-
PF35.75.R	75	97	100	125	150	175	200	225	300	-	-
PF35.100.R	100	122	100	125	150	175	200	225	300	-	-
PF35.125.R	125	147	100	125	150	175	200	225	300	-	-
PF35.150.R	150	172	100	125	150	175	200	225	300	-	-
* PF35.175.R	175	197	100	125	150	175	200	225	300	-	-
* PF35.200.R	200	222	100	125	150	175	200	225	300	-	-



Vertical separator P35.1



- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar

Fixed vertical separator P35.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

Order example：PH35.L

Cable chain order example

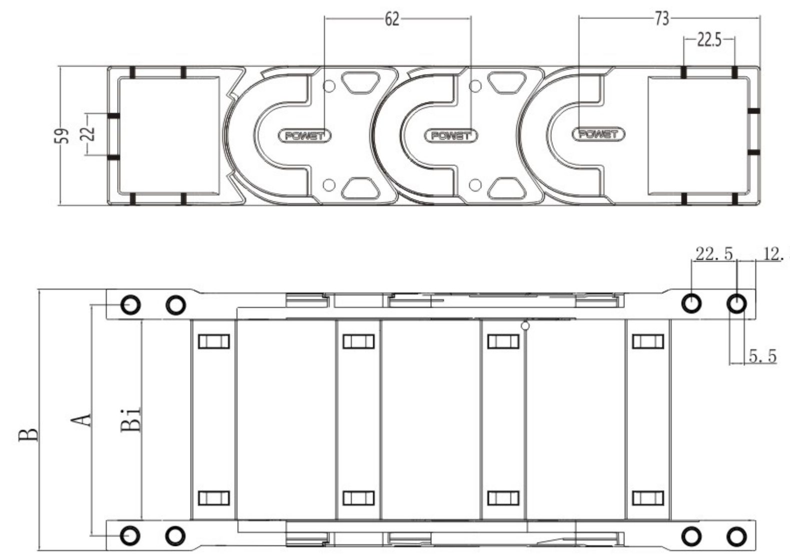
PF35	.	75	.	R100	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Chain Main Body

More advice please consult POWET

Default installation method：A1

PF35 SERIES

BRACKETS



Brackets-Close Type

- Used for PF35 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)
50	P350.050.A	P350.050.A.Z	P351.050.A	P351.050.A.Z	64	76
75	P350.075.A	P350.075.A.Z	P351.075.A	P351.075.A.Z	89	101
100	P350.100.A	P350.100.A.Z	P351.100.A	P351.100.A.Z	114	126
125	P350.125.A	P350.125.A.Z	P351.125.A	P351.125.A.Z	139	151
150	P350.150.A	P350.150.A.Z	P351.150.A	P351.150.A.Z	164	176
* 175	P350.175.A	P350.175.A.Z	P351.175.A	P351.175.A.Z	189	201
* 200	P350.200.A	P350.200.A.Z	P351.200.A	P351.200.A.Z	214	226

Bracket order example

P350	.	75	.	A	.	Z	/	C
Seires. Model		Inner Width Bi		Whole Set		Tie Wrap		C Shape Slots

More advice please consult POWET；tie wrap and C-shaped slot choose

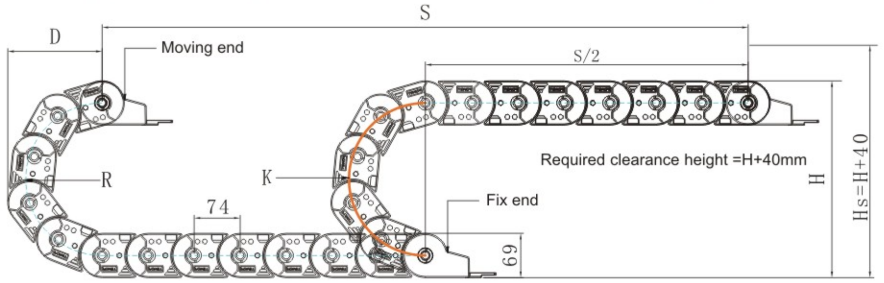
Default installation method：A1

POWET
拖链系统 CABLE-CHAIN SYSTEM

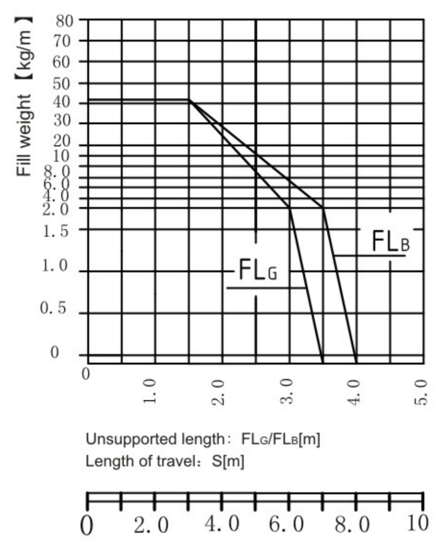
P45 SERIES
OVERVIEW

Pitch per link <P>: 74mm
Inner height <hi>: 45mm
Inner width <Bi>: 50-300mm
Links per meter = 14 links(1036mm)

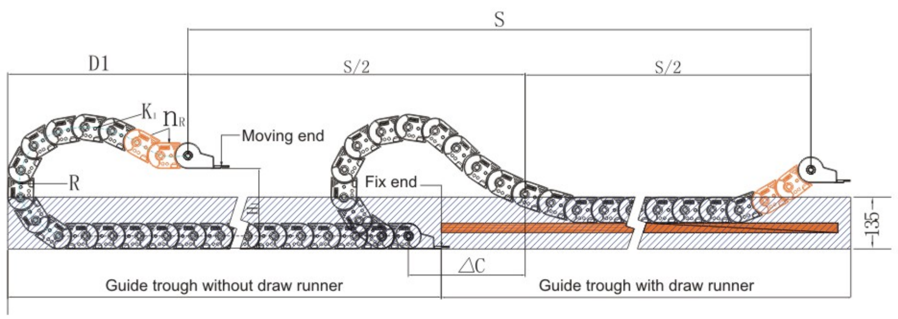
Unsupported application short travel $L_K=S/2+K$



Unsupported—load diagram



Gliding application long travel $L_K=S/2+K_1$



R	H	Hs	D	K	H1	D1	K1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
75	219	259	212	380	150	178	380	-	-
100	269	309	237	460	200	203	460	-	-
125	319	359	262	540	192	400	613	170	2
150	369	409	287	620	192	560	881	305	2
175	419	459	312	695	192	710	1082	440	2
200	469	509	337	775	192	760	1216	450	3
225	519	559	362	855	192	850	1350	520	3
250	569	609	387	930	192	1010	1551	650	4
300	669	709	437	1090	192	1140	1886	730	4

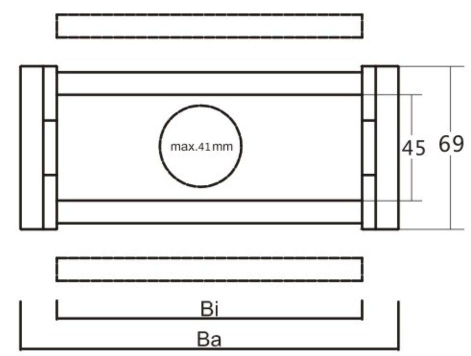
Technical parameter

Unsupported length	≤4.0m	Speed/acceleration FLG	≤10[m/s]/ 50 [m/s²]
Gliding length	≤300m	Speed/acceleration FLa	≤3[m/s]/6[m/s²]
Vertical hanging	≤100m	Gliding speed/acceleration	≤ 5 [m/s]/30[m/s²]
Vertical standing up	≤6.0m	Permitted temperature	-40℃~120℃
Side unsupported	≤2.0m	Retardant grade	Ul94 HB

P45 SERIES
SPECIFICATION

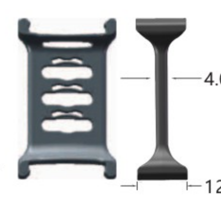
P45-Bridge Type

Cable Carrier Part No.	Bi	Ba	R								
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
P45.50.R	50	74	75	100	125	150	175	200	225	250	300
P45.75.R	75	99	75	100	125	150	175	200	225	250	300
P45.100.R	100	124	75	100	125	150	175	200	225	250	300
P45.125.R	125	149	75	100	125	150	175	200	225	250	300
P45.150.R	150	174	75	100	125	150	175	200	225	250	300
P45.175.R	175	199	75	100	125	150	175	200	225	250	300
P45.200.R	200	224	75	100	125	150	175	200	225	250	300
P45.250.R	250	274	75	100	125	150	175	200	225	250	300
P45.275.R	275	299	75	100	125	150	175	200	225	250	300
P45.300.R	300	324	75	100	125	150	175	200	225	250	300



Vertical separator P45.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar



Fixed vertical separator
P45.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

Order example: PH45.L

Cable chain order example

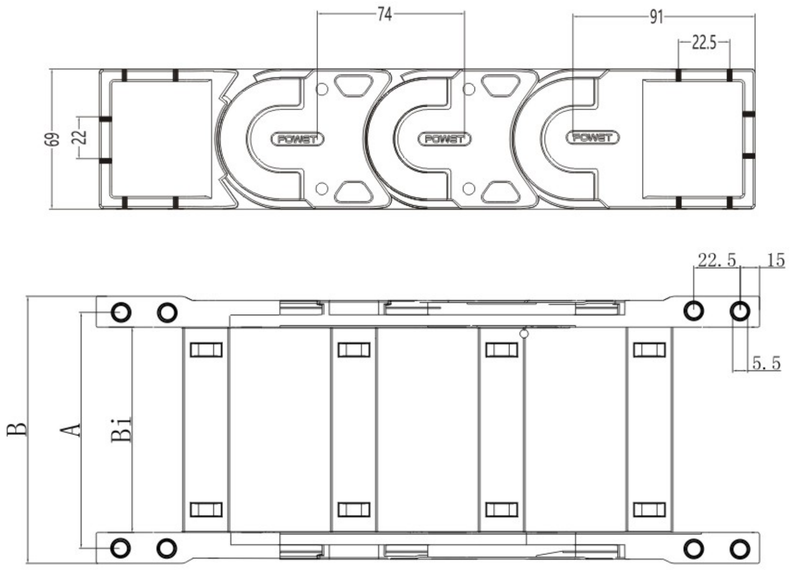
P45	.	100	.	R100	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Chain Main Body

More advice please consult POWET

Default installation method: A1

POWET
拖链系统 CABLE-CHAIN SYSTEM

P45 SERIES
BRACKETS



Brackets-Open Type

- Used for P45 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application
Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)
50	G450.050.A	G450.050.A.Z	G451.050.A	G451.050.A.Z	66	80
75	G450.075.A	G450.075.A.Z	G451.075.A	G451.075.A.Z	91	105
100	G450.100.A	G450.100.A.Z	G451.100.A	G451.100.A.Z	116	130
125	G450.125.A	G450.125.A.Z	G451.125.A	G451.125.A.Z	141	155
150	G450.150.A	G450.150.A.Z	G451.150.A	G451.150.A.Z	166	180
175	G450.175.A	G450.175.A.Z	G451.175.A	G451.175.A.Z	191	205
200	G450.200.A	G450.200.A.Z	G451.200.A	G451.200.A.Z	216	230
250	G450.250.A	G450.250.A.Z	G451.250.A	G451.250.A.Z	266	280
275	G450.275.A	G450.275.A.Z	G451.275.A	G451.275.A.Z	291	305
300	G450.300.A	G450.300.A.Z	G451.300.A	G451.300.A.Z	316	330

Bracket order example

P450 . 100 . A . Z / C

Seires. Model | Inner Width Bi | Whole Set | Tie Wrap | C Shape Slots

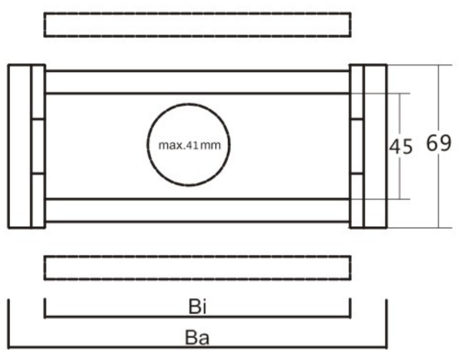
More advice please consult POWET; tie wrap and C-shaped slot choose

Default installation method: A1

PF45 SERIES
SPECIFICATION

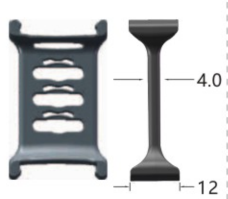
PF45-Full Enclosed Type

Cable Carrier Part No.	Bi	Ba	R								
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
PF45.050.R	50	74	125	150	175	200	225	250	300	-	-
PF45.075.R	75	99	125	150	175	200	225	250	300	-	-
PF45.100.R	100	124	125	150	175	200	225	250	300	-	-
PF45.125.R	125	149	125	150	175	200	225	250	300	-	-
PF45.150.R	150	174	125	150	175	200	225	250	300	-	-
PF45.175.R	175	199	125	150	175	200	225	250	300	-	-
PF45.200.R	200	224	125	150	175	200	225	250	300	-	-



Vertical separator P45.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar



Fixed vertical separator P45.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

Order example: PH45.L

Cable chain order example

PF45 . 100 . R100 — L1000

Seires. Model | Inner Width Bi | Bending Radius R | Length Of Chain Main Body

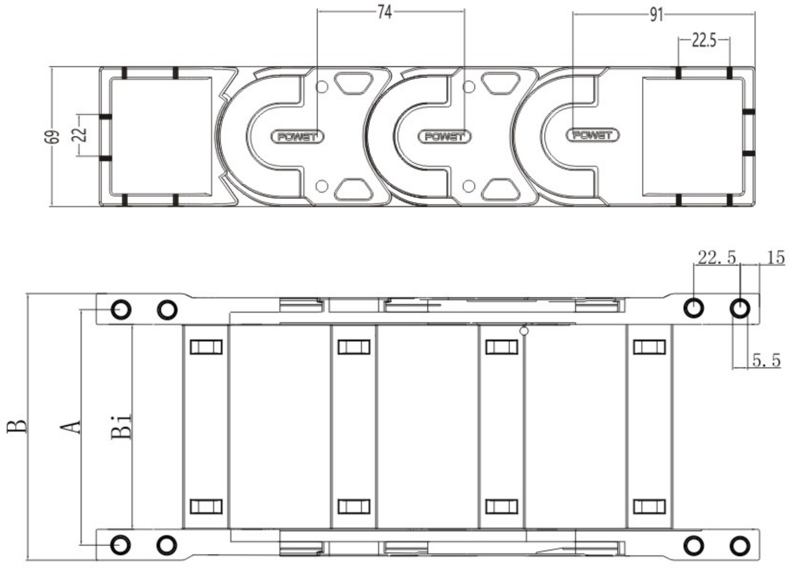
More advice please consult POWET

Default installation method: A1

POWET 拖链系统 CABLE-CHAIN SYSTEM

PF45 SERIES

BRACKETS



Brackets-Close Type

- Used for PF45 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)
50	PF450.050.A	PF450.050.A.Z	PF451.050.A	PF451.050.A.Z	66	80
75	PF450.075.A	PF450.075.A.Z	PF451.075.A	PF451.075.A.Z	91	105
100	PF450.100.A	PF450.100.A.Z	PF451.100.A	PF451.100.A.Z	116	130
125	PF450.125.A	PF450.125.A.Z	PF451.125.A	PF451.125.A.Z	141	155
150	PF450.150.A	PF450.150.A.Z	PF451.150.A	PF451.150.A.Z	166	180
175	PF450.175.A	PF450.175.A.Z	PF451.175.A	PF451.175.A.Z	191	205
200	PF450.200.A	PF450.200.A.Z	PF451.200.A	PF451.200.A.Z	216	230

Bracket order example

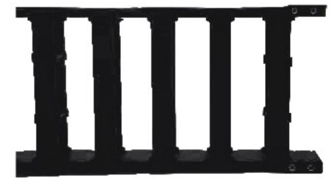
PF450	.	100	.	A	.	Z	/	C
Seires. Model		Inner Width Bi		Whole Set		Tie Wrap		C Shape Slots

More advice please consult POWET; tie wrap and C-shaped slot choose

Default installation method: A1

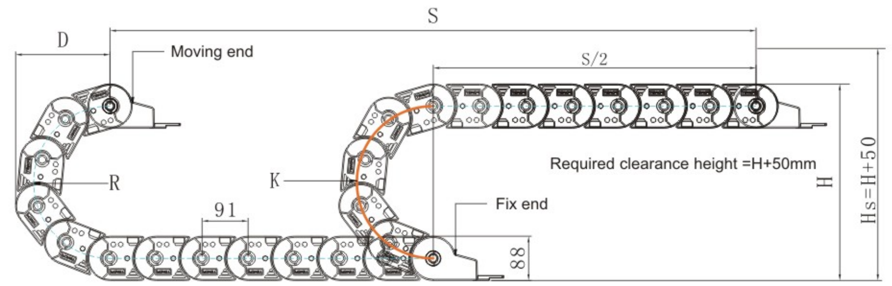
P58 SERIES

OVERVIEW

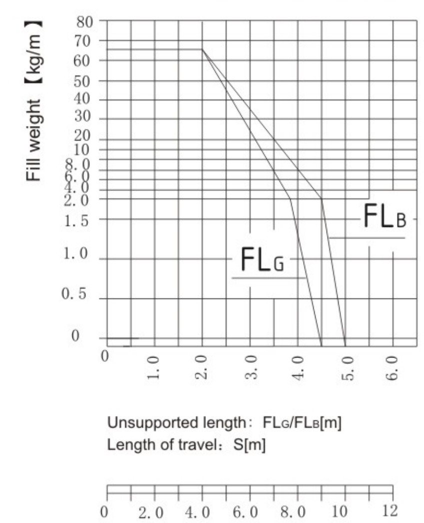


Pitch per link <P>: 91mm
Inner height <hi>: 58mm
Inner width <Bi>: 75-500mm
Links per meter = 11 links(1001mm)

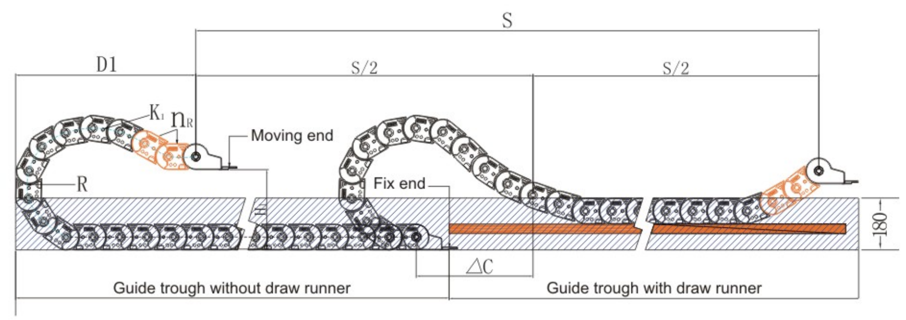
Unsupported application short travel $L_K=S/2+K$



Unsupported—load diagram



Gliding application long travel $L_K=S/2+K_1$



R	H	Hs	D	K	H1	D1	K1	△C	NR
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
135	358	408	316	610	270	316	610	-	-
150	388	438	331	655	264	500	819	210	2
175	438	488	356	735	264	560	910	240	2
200	488	538	381	815	264	690	1092	335	2
225	588	638	431	970	264	850	1365	455	3
300	688	738	481	1125	264	1080	1729	630	3
350	788	838	531	1285	264	1390	2184	890	3
400	888	938	581	1440	264	1460	2457	920	4
450	988	1038	631	1600	264	1770	2912	1180	4
500	1088	1138	681	1755	264	2090	3276	1450	4

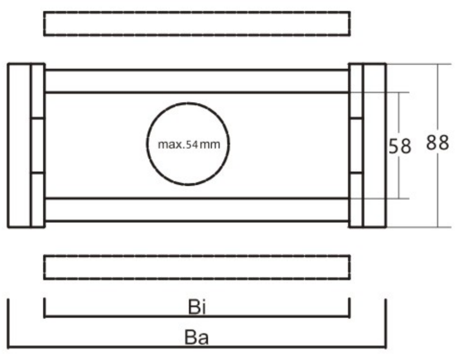
Technical parameter

Unsupported length	≤5m	Speed/acceleration FL_G	≤10[m/s]/50[m/s²]
Gliding length	≤350m	Speed/acceleration FLa	≤3[m/s]/6[m/s²]
Vertical hanging	≤100m	Gliding speed/acceleration	≤5[m/s]/30[m/s²]
Vertical standing up	≤6m	Permitted temperature	-40℃~120℃
Side unsupported	≤2.5m	Retardant grade	Ul94 HB

P58 SERIES
SPECIFICATION

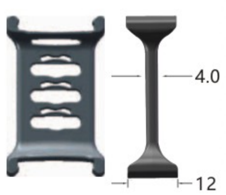
P58-Bridge Type

Cable Carrier Part No.	Bi	Ba	R									
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
P58.75.R	75	101	135	150	175	200	250	300	350	400	450	500
P58.100.R	100	126	135	150	175	200	250	300	350	400	450	500
P58.125.R	125	151	135	150	175	200	250	300	350	400	450	500
P58.150.R	150	176	135	150	175	200	250	300	350	400	450	500
P58.175.R	175	201	135	150	175	200	250	300	350	400	450	500
P58.200.R	200	226	135	150	175	200	250	300	350	400	450	500
P58.250.R	250	276	135	150	175	200	250	300	350	400	450	500
P58.275.R	275	301	135	150	175	200	250	300	350	400	450	500
P58.300.R	300	326	135	150	175	200	250	300	350	400	450	500
P58.350.R	350	376	135	150	175	200	250	300	350	400	450	500
P58.400.R	400	426	135	150	175	200	250	300	350	400	450	500
P58.450.R	450	476	135	150	175	200	250	300	350	400	450	500
P58.500.R	500	526	135	150	175	200	250	300	350	400	450	500



Vertical separator P58.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar
- Slingshot design effectively compensates for internal high deviation



Fixed vertical separator P58.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

Order example：PH58.L

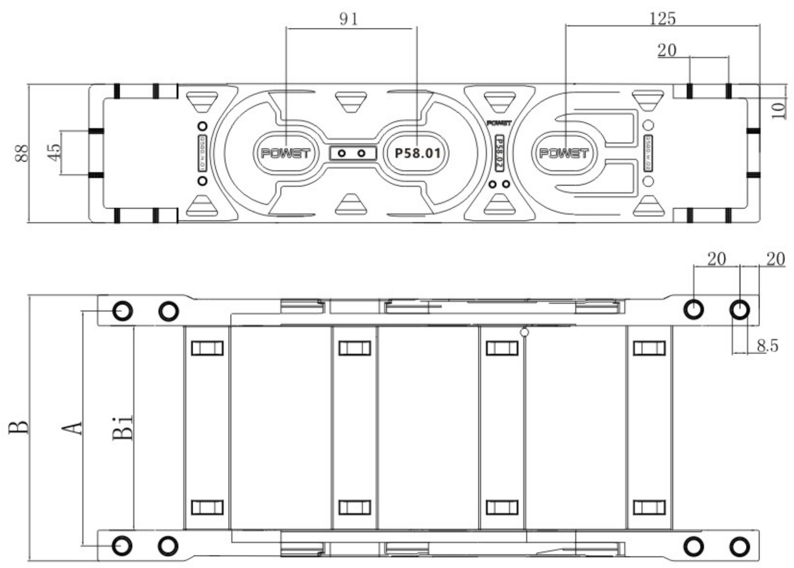
Cable chain order example

P58	•	100	•	R100	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Chain Main Body

More advice please consult POWET

Default installation method：A1

P58 SERIES
BRACKETS



Brackets-Open Type

- Used for P58 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)
75	P580.075.A	P580.075.A.Z	P581.075.A	P581.075.A.Z	87	104
100	P580.100.A	P580.100.A.Z	P581.100.A	P581.100.A.Z	112	129
125	P580.125.A	P580.125.A.Z	P581.125.A	P581.125.A.Z	137	154
150	P580.150.A	P580.150.A.Z	P581.150.A	P581.150.A.Z	162	179
175	P580.175.A	P580.175.A.Z	P581.175.A	P581.175.A.Z	187	204
200	P580.200.A	P580.200.A.Z	P581.200.A	P581.200.A.Z	212	229
250	P580.250.A	P580.250.A.Z	P581.250.A	P581.250.A.Z	262	279
275	P580.275.A	P580.275.A.Z	P581.275.A	P581.275.A.Z	287	304
300	P580.300.A	P580.300.A.Z	P581.300.A	P581.300.A.Z	312	329
350	P580.350.A	P580.350.A.Z	P581.350.A	P581.350.A.Z	362	379
400	P580.400.A	P580.400.A.Z	P581.400.A	P581.400.A.Z	412	429
450	P580.450.A	P580.450.A.Z	P581.450.A	P581.450.A.Z	462	479
500	P580.500.A	P580.500.A.Z	P581.500.A	P581.500.A.Z	512	529

Bracket order example

P580	•	100	•	A	•	Z	/	C
Seires. Model		Inner Width Bi		Whole Set		Tie Wrap		C Shape Slots

G series bracket have odd number type and even number difference
Odd number links+N bracket
Even number links+W bracket

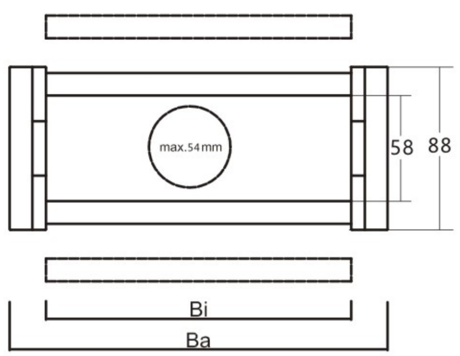
More advice please consult POWET；tie wrap and C-shaped slot choose

Default installation method：A1

PF58 SERIES
SPECIFICATION

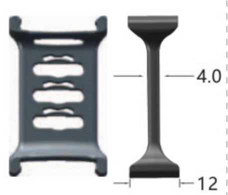
PF58-Full Enclosed Type

Cable Carrier Part No.	Bi	Ba	R									
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
PF58.100.R	100	126	175	200	250	300	350	400	450	500	-	-
PF58.125.R	125	151	175	200	250	300	350	400	450	500	-	-
PF58.150.R	150	176	175	200	250	300	350	400	450	500	-	-
PF58.175.R	175	201	175	200	250	300	350	400	450	500	-	-
PF58.200.R	200	226	175	200	250	300	350	400	450	500	-	-
PF58.250.R	250	251	175	200	250	300	350	400	450	500	-	-
PF58.300.R	300	326	175	200	250	300	350	400	450	500	-	-
PF58.350.R	350	376	175	200	250	300	350	400	450	500	-	-
PF58.400.R	400	426	175	200	250	300	350	400	450	500	-	-



Vertical separator P58.1

- Almost suit for all kinds applicataion
- Easy to install and dismantle
- Flexible position adjustment
- Wide base, stably connect with crossbar
- Slingshot design effectively compensates for internal high deviation



Fixed vertical separator P58.2

- Suit for side mounted or with high load
- Can't move after installation
- Wide base, stably connect with crossbar

Horizontal separator

Order example：PH58.L

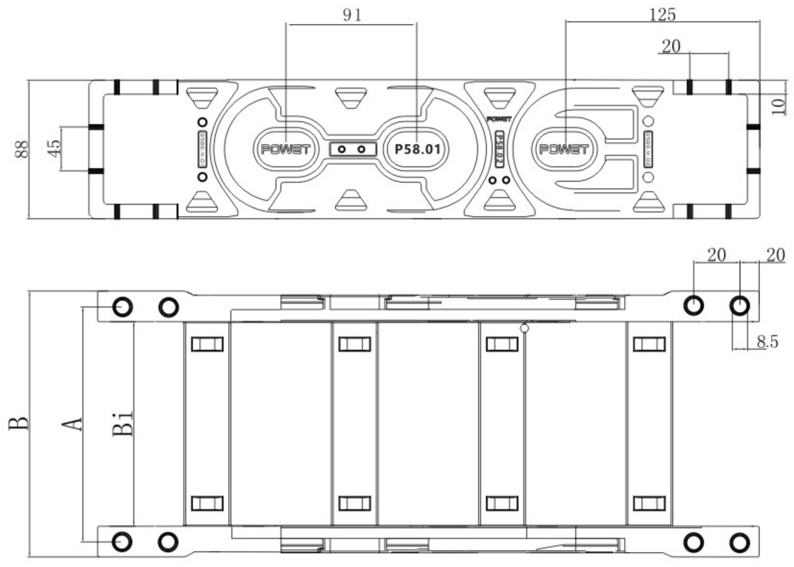
Cable chain order example

PF58	.	100	.	R100	—	L1000
Seires. Model		Inner Width Bi		Bending Radius R		Length Of Chain Main Body

More advice please consult POWET

Default installation method：A1

PF58 SERIES
BRACKETS



Brackets-Close Type

- Used for PF58 series cable chain
- Can be fixed from the bottom, top, head face 3 positions
- Two kinds connector, moving end and fixed end

Moving end—recommend use for unsupported application and gliding application

Fixed end—recommend use for vertical hanging and standing application

Inner Width <Bi>	Fixed Bracket Code		Moving Bracket Code		A	B
mm	Without Tiewrap	With Tirewrap	Without Tiewrap	With Tirewrap	(mm)	(mm)
100	PF580.100.A	PF580.100.A.Z	PF581.100.A	PF581.100.A.Z	112	129
125	PF580.125.A	PF580.125.A.Z	PF581.125.A	PF581.125.A.Z	137	154
150	PF580.150.A	PF580.150.A.Z	PF581.150.A	PF581.150.A.Z	162	179
175	PF580.175.A	PF580.175.A.Z	PF581.175.A	PF581.175.A.Z	187	204
200	PF580.200.A	PF580.200.A.Z	PF581.200.A	PF581.200.A.Z	212	229
250	PF580.250.A	PF580.250.A.Z	PF581.250.A	PF581.250.A.Z	262	279
300	PF580.300.A	PF580.300.A.Z	PF581.300.A	PF581.300.A.Z	312	329
350	PF580.350.A	PF580.350.A.Z	PF581.350.A	PF581.350.A.Z	362	379
400	PF580.400.A	PF580.400.A.Z	PF581.400.A	PF581.400.A.Z	412	429

Bracket order example

PF580	.	100	.	A	.	Z	/	C
Seires. Model		Inner Width Bi		Whole Set		Tie Wrap		C Shape Slots

G series bracket have odd number type and even number difference
Odd number links+N bracket
Even number links+W bracket

More advice please consult POWET；tie wrap and C-shaped slot choose

Default installation method：A1

P SERIES

EXTERNAL OPTICAL FIBER BUCKLE

External Buckle

- Quickly fill or remove bellows/cables, saving time and cost
- The buckle can be installed on the left, right sides or inside of the cable chain
- Suit for standard bellows diameter 17,23 mm
- Standard configuration: 1 set of buckle for each 2 chain links
- The product code includes the buckle spare parts, bellows need order separately

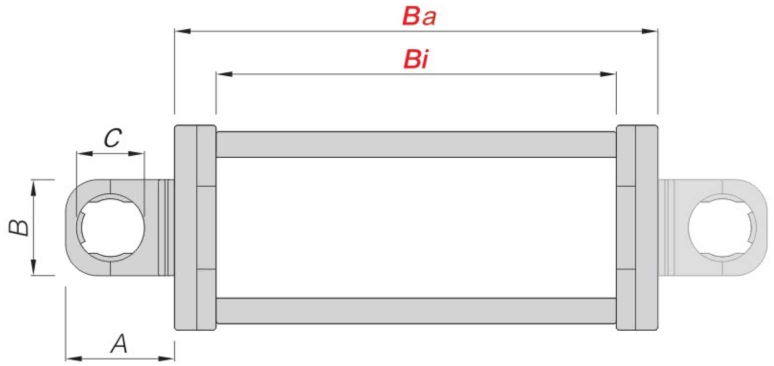
P35 Series Part No.	A(mm)	B(mm)	C(mm)	
P35.Bi.R+PH17	34	30	17	Bi=050|075|100|125|150|175|200|225|250|300
P35.Bi.R+PH23	42	38.5	23	R=075|100|125|150|175|200|225|250|300|350

P45 Series Part No.	A(mm)	B(mm)	C(mm)	
P45.Bi.R+PH23	34	30	17	Bi=050|075|100|125|150|175|200|225|250|300
P45.Bi.R+PH23	42	38.5	23	R=075|100|125|150|175|200|225|250|300|350

P58 Series Part No.	A(mm)	B(mm)	C(mm)	
P58.Bi.R+PH17	34	30	17	Bi=075|100|125|150|175|200|225|250|300 |350|400|450|500
P58.Bi.R+PH23	42	38.5	23	R=135|150|175|200|225|250|300|350|400|450|500

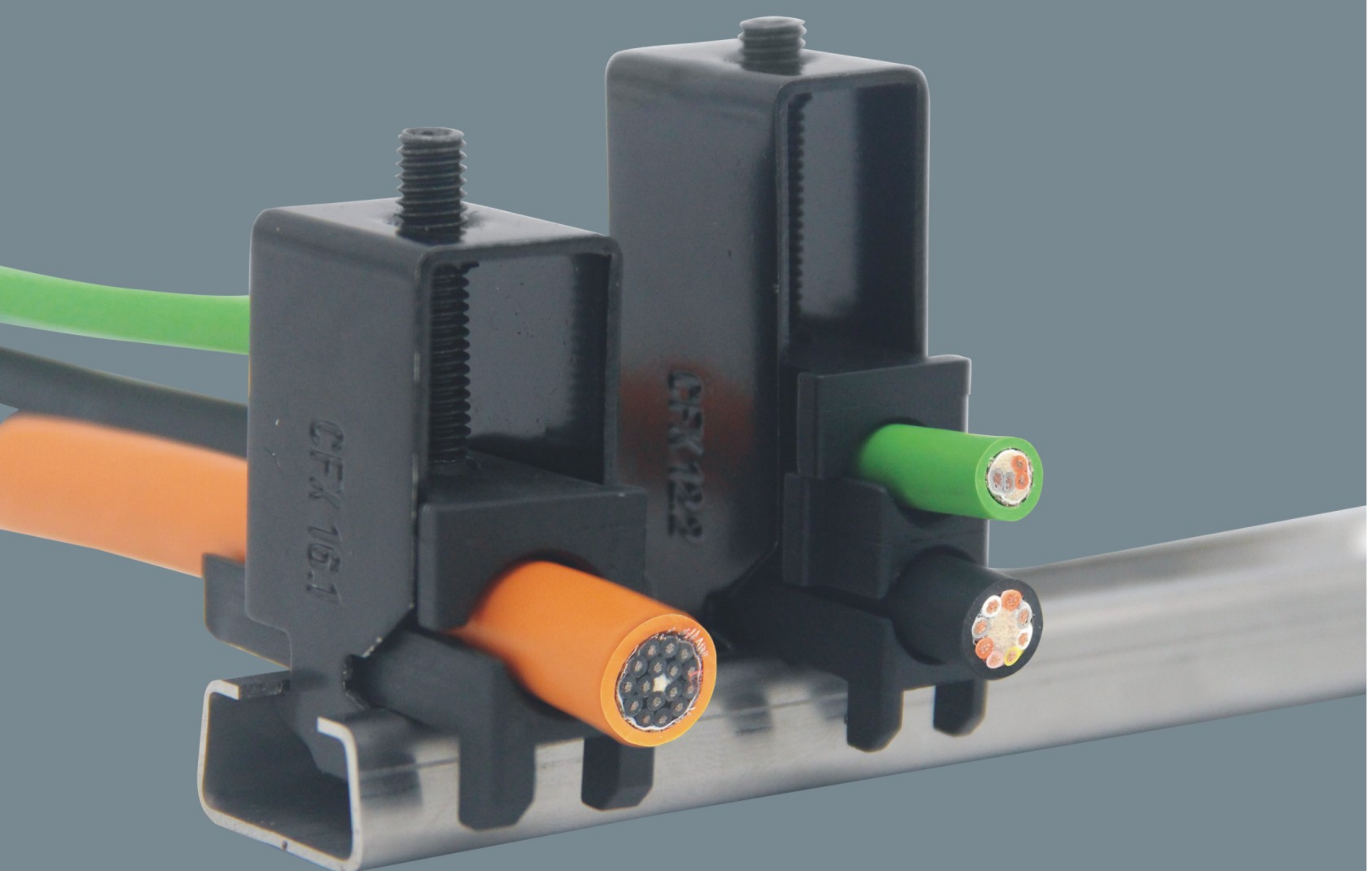
* View From Fixed End Of Cable Chain, The Buckle Can Be Position On The Left, Right, Or Inside Of The Cable Chain.
* Some Widths And Bending Radius Aren't Suit For Buckle Inner Mounting, Please Consult Us.

The external buckle is also suitable for PF35/PF45/PF58 full enclosed series cable chain



More details please contact POWET

POWET®

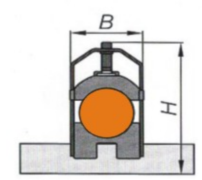
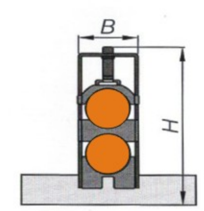
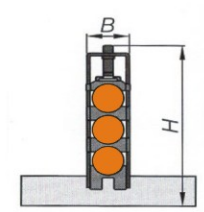


STRAIN RELIEF COMPONENT

STRAIN RELIEF COMPONENT
CABLE CLIP

Cable clip

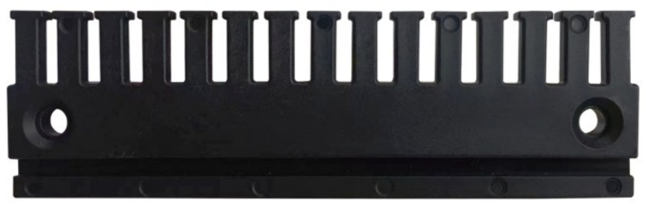
- Used for cable and flexible hose rear part fixation
- Can fix one, two, or three pieces of cable and flexible hose
- Cushion block with tooth can reduce cable and hose's displacement
- Carbon steel and stainless steel two kind material, suit different application environment

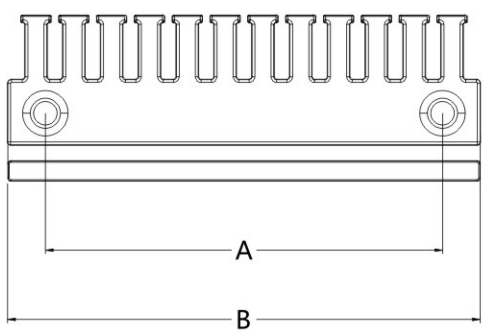
Type	Carbon Clip Code	Stainless Steel Clip Code	Diameter Of Cable Φ [mm]	B [mm]	H* [mm]
Single Layer Clip					
	CFX12.1	CFX12.1.S	06-12	16	54
	CFX14.1	CFX14.1.S	12-14	18	50
	CFX16.1	CFX16.1.S	14-16	20	52
	CFX18.1	CFX18.1.S	16-18	22	54
	CFX20.1	CFX20.1.S	18-20	24	56
	CFX22.1	CFX22.1.S	20-22	26	58
	CFX26.1	CFX26.1.S	22-26	30	67
	CFX30.1	CFX30.1.S	26-30	34	71
	CFX34.1	CFX34.1.S	30-34	38	75
	CFX38.1	CFX38.1.S	34-38	42	79
	CFX42.1	CFX42.1.S	38-42	46	83
Double Layers Clip					
	CFX12.2	CFX12.2.S	06-12	16	72
	CFX14.2	CFX14.2.S	12-14	18	74
	CFX16.2	CFX16.2.S	14-16	20	78
	CFX18.2	CFX18.2.S	16-18	22	82
	CFX20.2	CFX20.2.S	18-20	24	86
	CFX22.2	CFX22.2.S	20-22	26	90
	CFX26.2	CFX26.2.S	22-26	30	100
	CFX30.2	CFX30.2.S	26-30	34	117
	CFX34.2	CFX34.2.S	30-34	38	125
Three Layers Clip					
	CFX12.3	CFX12.3.S	06-12	16	100
	CFX14.3	CFX14.3.S	12-14	18	96
	CFX16.3	CFX16.3.S	14-16	20	102
	CFX18.3	CFX18.3.S	16-18	22	108
	CFX20.3	CFX20.3.S	18-20	24	114
	CFX22.3	CFX22.3.S	20-22	26	120

STRAIN RELIEF COMPONENT
TIEWRAP

Tiewrap

- Used for cable and flexible hose end fixation
- Convenient to dismantle
- Save space
- simple economic strain relief component
- Cushion block with tooth can reduce cable and hose's displacement

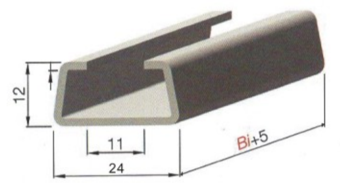




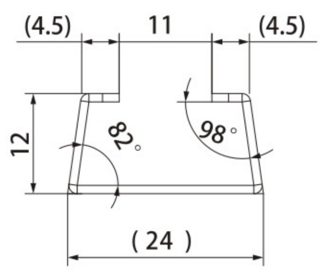
Tiewrap Code	Number Of Slot nz 【1】	A [mm]	B [mm]
Z-25	3	-	12
Z-38	4	15	25
Z-57	6	25	44
Z-77	8	40	64
Z-50	6	16	30
Z-75	8	41	55
Z-100	10	66	80
Z-125	12	105	125
Z-150	15	130	150

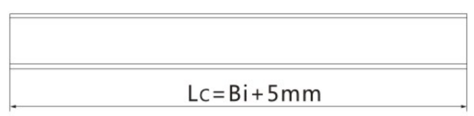
C Shape Slot

Order number：C-Bi



Germany standard C shape slot



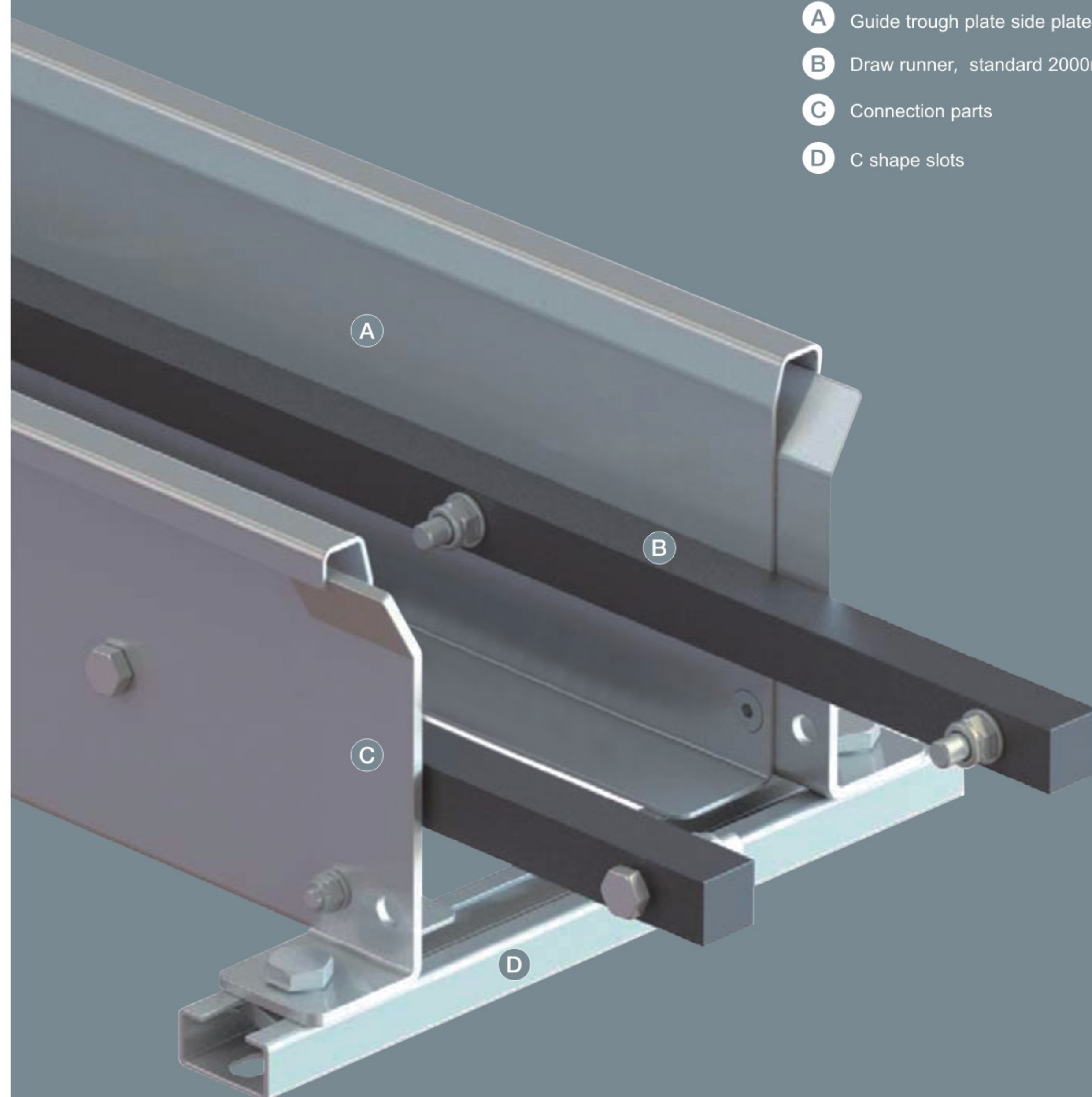


Remark
- Length of C shape slot Lc=Bi+5mm
- Optional spare part, if need please notice us

POWET®

Suit for long travel sliding application

- Ⓐ Guide trough plate side plate, standard 2000mm/piece
- Ⓑ Draw runner, standard 2000mm/piece
- Ⓒ Connection parts
- Ⓓ C shape slots



GUIDE TROUGH SYSTEM

GUIDE TROUGH
OVERVIEW

Cable chain series	Product Code Guide Trough Set Without Draw Runner	Product Code Guide Trough Set With Draw Runner	Product Code Setup Parts	Material Standard
				
E25	DC.1.80	DC.2.80	DC.3.80-LXXX	zinc plated steel T=2.0
E35	DC.1.110	DC.2.110	DC.3.110-LXXX	zinc plated steel T=2.0
E45	DC.1.130	DC.2.130	DC.3.130-LXXX	zinc plated steel T=2.0
G35丨P35	DC.1.120	DC.2.120	DC.3.120-LXXX	zinc plated steel T=2.0
G45丨P45	DC.1.135	DC.2.135	DC.3.135-LXXX	zinc plated steel T=2.0
G60丨P58	DC.1.180	DC.2.180	DC.3.180-LXXX	zinc plated steel T=2.5
G80	DC.1.220	DC.2.220	DC.3.220-LXXX	zinc plated steel T=2.5

* XXX data check below sheet

* If need stainless steel material please add “s” in the end of product code, for example DC.1.E25.S

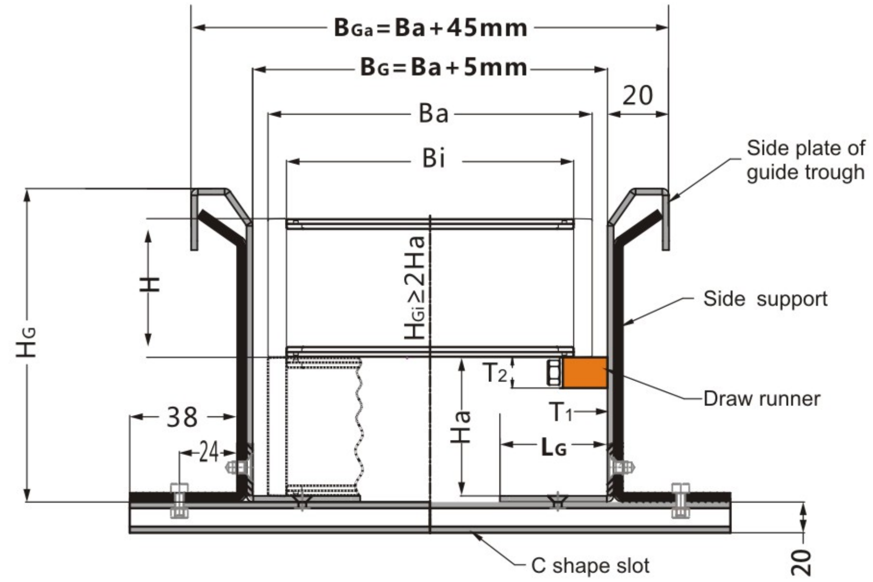
1) One set guide trough without draw runner =2 pieces of 2 meters long side plates
2) One set guide trough include draw runner =2 pieces of 2 meters long side plates + plus 2 pieces of 2meters draw runner
3) One setup parts = 2 side supports + 1 piece C shape slot

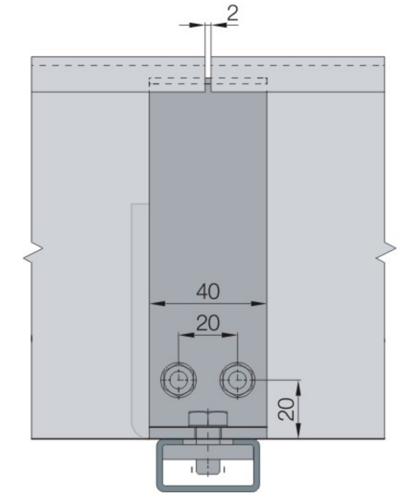
GUIDE TROUGH
C SHAPE SLOT

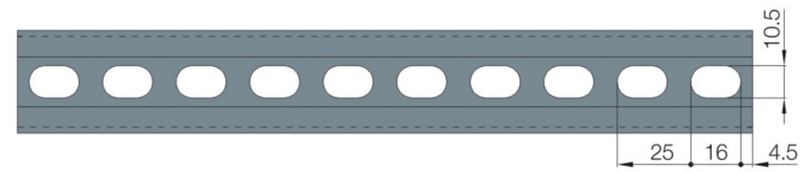
E25		E35		E45	G35丨P35		G45丨P45	G60丨P58	G80
Bi [mm]	XXX [mm]	Bi [mm]	XXX [mm]	XXX [mm]	Bi [mm]	LXXX [mm]	LXXX [mm]	LXXX [mm]	LXXX [mm]
25	▶ 150	50	▶ 200	200	50	▶ 200	200	225	250
38	▶ 175	65	▶ 200	200	75	▶ 225	225	250	275
57	▶ 200	75	▶ 225	225	100	▶ 250	250	275	300
77	▶ 225	89	▶ 250	250	125	▶ 275	275	300	325
89	▶ 225	100	▶ 250	250	150	▶ 300	300	325	350
103	▶ 250	125	▶ 275	275	175	▶ 325	325	350	375
		150	▶ 300	300	200	▶ 350	350	375	400
					225	▶ 375	375	400	425
					250	▶ 400	400	425	450
					275	▶ 425	425	450	475
					300	▶ 450	450	500	525
					350	▶ 500	500	550	575
					400	▶ 550	550	600	625

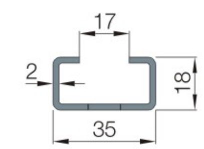
More details please contact POWET

INSTALLATION DIMENSION OF GUIDE TROUGH









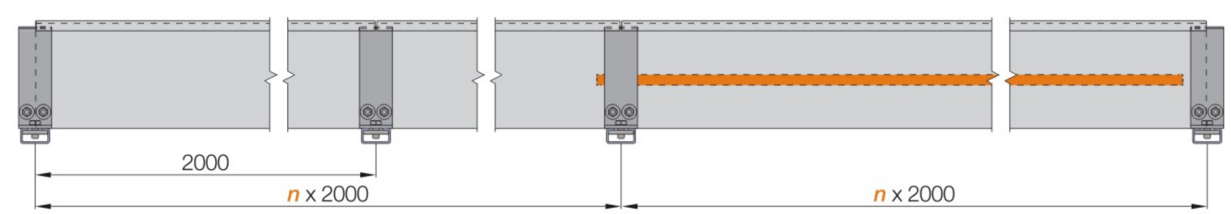
Cable Chain Version	Ha [mm]	HG [mm]	Ba [mm]	BG [mm]	BGa [mm]	LG [mm]	T1 [mm]	T2 [mm]
E25	40	80	Bi+16	Bi+21	Bi+61	25	2.0	20
E35	54	110	Bi+20	Bi+25	Bi+65	30	2.0	20
E45	64	130	Bi+22	Bi+27	Bi+67	30	2.0	20
G35丨GF35	57	120	Bi+26	Bi+31	Bi+71	40	2.0	20
G45丨GF45	67	135	Bi+26	Bi+31	Bi+71	40	2.0	20
G60丨GF60	88	180	Bi+34	Bi+39	Bi+79	50	2.0	30
G80丨GF80	108	220	Bi+50	Bi+55	Bi+95	50	2.5	30
P35丨PF35	59	120	Bi+22	Bi+27	Bi+67	40	2.0	20
P45丨PF45	69	135	Bi+24	Bi+29	Bi+69	40	2.0	20
P58丨PF58	88	180	Bi+26	Bi+31	Bi+71	50	2.0	30

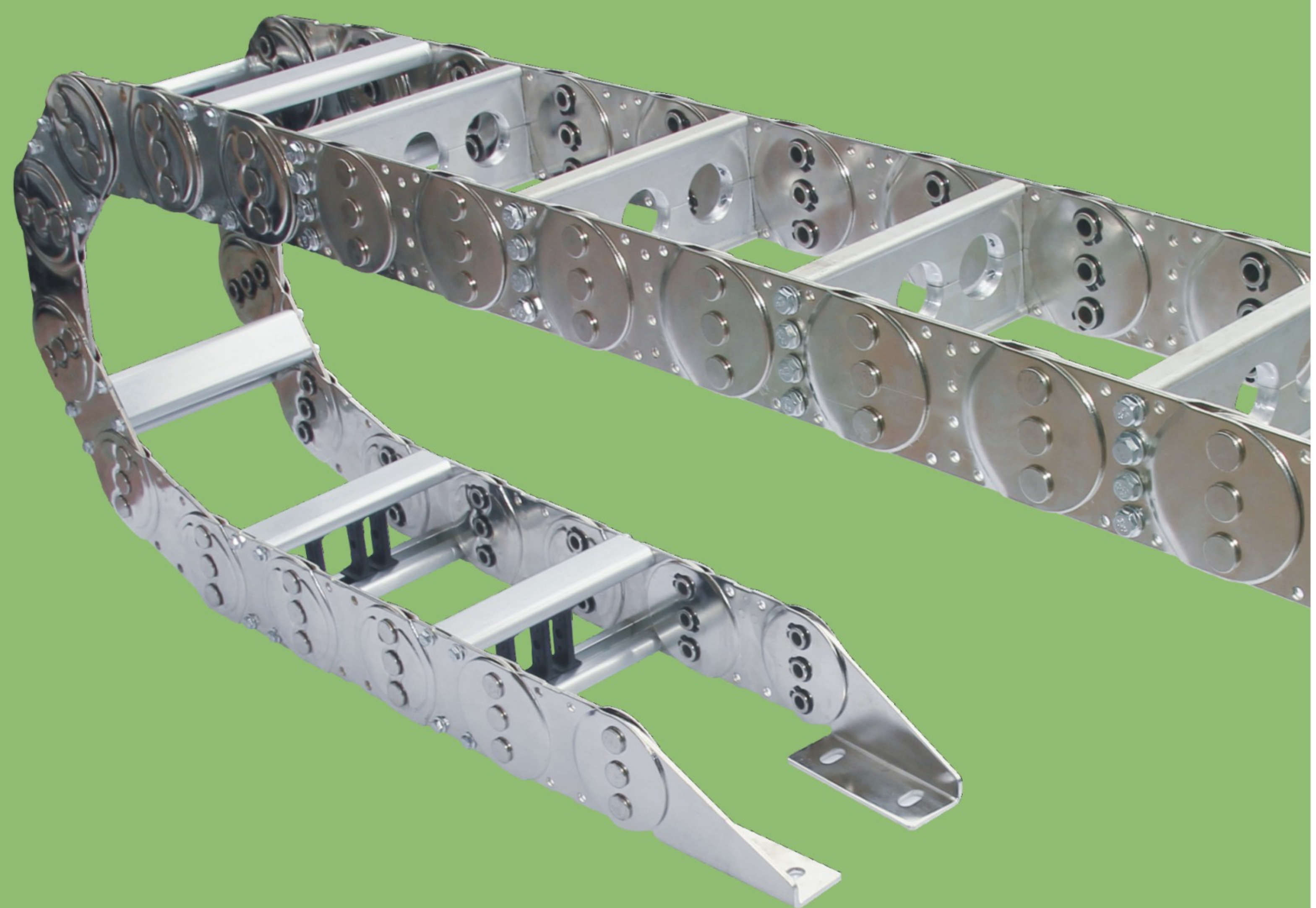
Calculation

- Mount in center of travel
- n= half travel divided by 2 meters

▶

- Guide trough with draw runner = n
- Guide trough with draw runner = n
- Setup parts = 2n +1





TL SERIES STEEL CABLE CHAIN

TL SERIES STEEL CABLE CHAINS

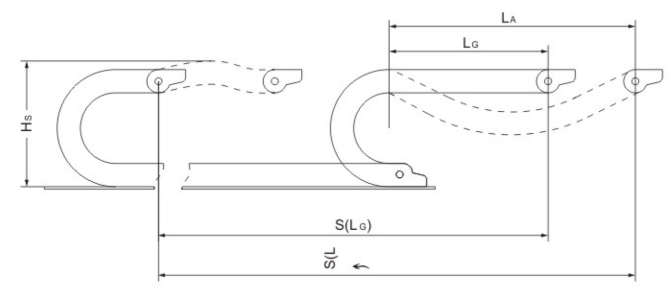
Feature

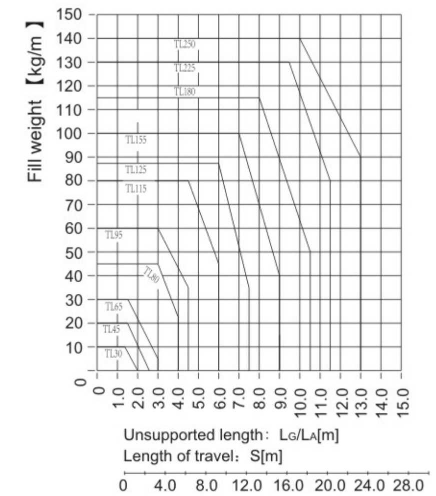
TL series drag chains are mainly consisting of chain plate (top quality stainless steel with chromium plated). supporing board (extruded aluminium alloy) and pinshaft etc . There is no relative motions between the cables / rubber hoses and the drag chains , giving no deforming or twists . The chromium plated chain board has very nice-looking appearance and has very rational construction and flexible and high strength . It is reliable and easy to operate , install , dismantal or assemble . It is worthwhile mentioning that the anti-wearing performance has been improved greatly due to wear resistant material and alloy pinshaft are used . The product is flexible to bending and has low resistance , giving low noises . It can be used for a very time without any deformation or hanging down.

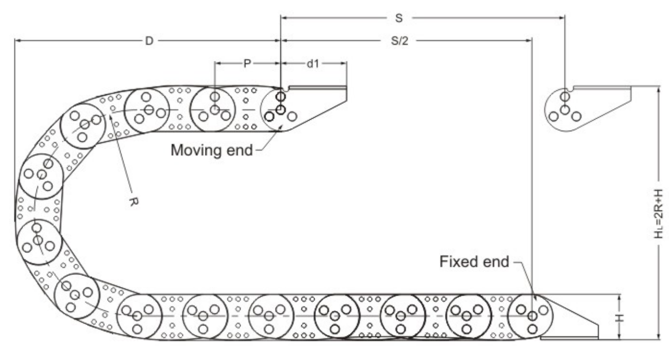
1. The drag chain can adapt to the maximum moving speed of 40m/min.
2. When the drag chain is moving at the maximum speed, the noise sound pressure level is not more than 68 decibels.
3. The safe service life of the drag chain is not less than 1 million times (reciprocation).

TL steel cable chain installation dimension parameter

Unsupported length
LG=straight unsupported length
LA= unsupported length with permitted sag



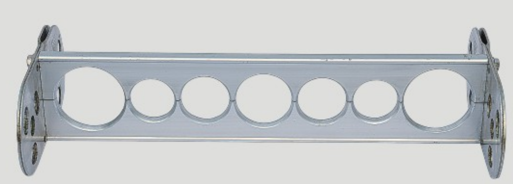




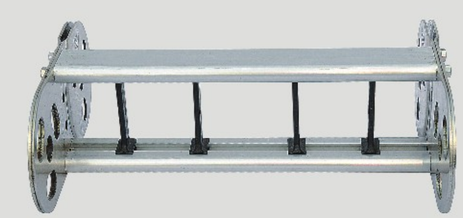
S = Travel length
R = Bending radius
P = Pitch
L = Length of chain
N = Links per meter
HL = Nominal clearance height
HS = Nominal clearance height
D = Over length chain radius in final position
K = Л·R+2P
*K value check in data sheet

Support board type

Ⅰ Integrated Type、Ⅱ Upper and lower split type



Ⅲ Frame type



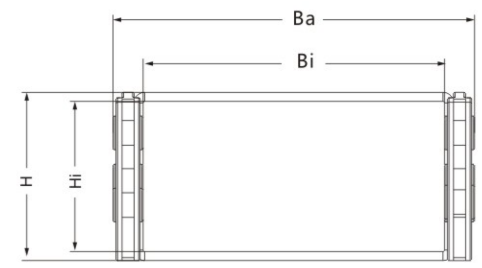
Technical parameter

Speed/acceleration LG	
Speed/acceleration LA	
Glide Speed/acceleration	

Table 1 (TL series Technical parameter)

Type	R	HL	D	K	P	N	d1	Max hole diameter of support board	Support board type
TL30	20 (0.79)	65 (2.56)	50 (1.97)	120 (4.72)	30 (1.18)	33 (1.30)	47.5 (1.87)	-	III
TL45	50 (1.97)	132 (5.20)	110 (4.33)	245 (9.65)	45 (1.77)	22 (0.87)	65 (2.56)	-	III
	75 (2.95)	182 (7.17)	160 (6.30)	325 (12.80)					
	90 (3.54)	212 (8.35)	190 (7.48)	370 (14.57)					
	115 (4.53)	262 (10.31)	240 (9.45)	450 (17.72)					
	145 (5.71)	322 (12.68)	300 (11.81)	545 (21.46)					
TL65	75 (2.95)	194 (7.64)	160 (6.30)	365 (14.37)	65 (2.56)	15 (0.59)	95 (3.74)	32 (1.26)	I / II / III
	90 (3.54)	224 (8.82)	190 (7.48)	410 (16.14)					
	115 (4.53)	274 (10.79)	240 (9.45)	490 (19.29)					
	125 (4.92)	294 (11.57)	260 (10.24)	520 (20.47)					
	145 (5.71)	334 (13.15)	300 (11.81)	585 (23.03)					
	185 (7.28)	414 (16.30)	380 (14.96)	710 (27.95)					
TL80	100 (3.94)	256 (10.08)	210 (8.27)	475 (18.70)	80 (3.15)	13 (0.51)	80 (3.15)	35 (1.38)	II / III
	115 (4.53)	286 (11.26)	240 (9.45)	520 (20.47)					
	125 (4.92)	306 (12.05)	260 (10.24)	550 (21.65)					
	145 (5.71)	346 (13.62)	300 (11.81)	615 (24.21)					
	185 (7.28)	426 (16.77)	380 (14.96)	740 (29.13)					
	200 (7.87)	456 (17.95)	410 (16.14)	790 (31.10)					
	250 (9.84)	556 (21.89)	510 (20.08)	945 (37.20)					
	300 (11.81)	656 (25.83)	610 (24.02)	1100 (43.31)					
TL95	115 (4.53)	300 (11.81)	240 (9.45)	550 (21.65)	95 (3.74)	11 (0.43)	130 (5.12)	50 (1.97)	I / II / III
	145 (5.71)	360 (14.17)	300 (11.81)	645 (25.39)					
	200 (7.87)	470 (18.50)	410 (16.14)	820 (32.28)					
	250 (9.84)	570 (22.44)	510 (20.08)	975 (38.39)					
	300 (11.81)	670 (26.38)	610 (24.02)	1130 (44.49)					
TL115	145 (5.71)	376 (14.80)	300 (11.81)	685 (26.97)	115 (4.53)	9 (0.35)	110 (4.33)	63 (2.48)	II / III
	200 (7.87)	486 (19.13)	410 (16.14)	860 (33.86)					
	225 (8.86)	536 (21.10)	460 (18.11)	935 (36.81)					
	250 (9.84)	586 (23.07)	510 (20.08)	1015 (39.96)					
	300 (11.81)	686 (27.01)	610 (24.02)	1170 (46.06)					
	350 (13.78)	786 (30.94)	710 (27.95)	1330 (52.36)					
TL125	200 (7.87)	500 (19.69)	410 (16.14)	880 (34.65)	125 (4.92)	8 (0.31)	155 (6.10)	75 (2.95)	I / II / III
	250 (9.84)	600 (23.62)	510 (20.08)	1035 (40.75)					
	300 (11.81)	700 (27.56)	610 (24.02)	1190 (46.85)					
	340 (13.39)	680 (30.71)	690 (27.17)	1320 (51.97)					
	470 (18.50)	1040 (40.94)	950 (37.40)	1725 (67.91)					
	500 (19.69)	1100 (43.31)	1010 (39.76)	1820 (71.65)					
	575 (22.64)	1250 (49.21)	1160 (45.67)	2055 (80.91)					
	700 (27.56)	1500 (59.06)	1410 (55.51)	2450 (96.46)					
	750 (29.53)	1600 (62.99)	1510 (59.45)	2605 (102.56)					
TL155	200 (7.87)	520 (20.47)	410 (16.14)	940 (37.01)	155 (6.10)	7 (0.28)	160 (6.30)	97 (3.82)	II / III
	250 (9.84)	620 (24.41)	510 (20.08)	1095 (43.11)					
	300 (11.81)	720 (28.35)	610 (24.02)	1250 (49.21)					
	350 (13.78)	820 (32.28)	710 (27.95)	1410 (55.51)					
	450 (17.72)	1020 (40.16)	910 (35.83)	1725 (67.91)					
	500 (19.69)	1120 (44.09)	1010 (39.76)	1880 (74.02)					
	600 (23.62)	1320 (51.97)	1210 (47.64)	2195 (86.42)					
TL180	250 (9.84)	644 (25.35)	510 (20.08)	1145 (45.08)	180 (7.09)	6 (0.24)	210 (8.27)	110 (4.33)	II / III
	300 (11.81)	744 (29.29)	610 (24.02)	1300 (51.18)					
	350 (13.78)	844 (33.23)	710 (27.95)	1460 (57.48)					
	450 (17.72)	1044 (41.10)	910 (35.83)	1775 (69.88)					
	490 (19.29)	1124 (44.25)	990 (38.98)	1900 (74.80)					
	600 (23.62)	1344 (52.91)	1210 (47.64)	2245 (88.39)					
	650 (25.59)	1444 (56.85)	1310 (51.57)	2400 (94.49)					
TL225	400 (15.75)	1000 (39.37)	810 (31.89)	1705 (67.15)	225 (8.86)	5 (0.20)	295 (11.61)	146 (5.75)	II / III
	450 (17.72)	1100 (43.31)	910 (35.83)	1865 (73.43)					
	600 (23.62)	1400 (55.12)	1210 (47.64)	2335 (91.93)					
	750 (29.53)	1700 (66.93)	1510 (59.45)	2805 (110.43)					
	800 (31.50)	1800 (70.87)	1610 (63.39)	2965 (116.73)					
	850 (33.46)	1900 (74.80)	1710 (67.32)	3120 (122.83)					
	1000 (39.37)	2200 (86.61)	2010 (79.13)	3590 (141.34)					
TL250	400 (15.75)	1020 (40.16)	810 (31.89)	1755 (69.09)	250 (9.84)	4 (0.16)	295 (11.61)	166 (6.54)	II / III
	450 (17.72)	1120 (44.09)	910 (35.83)	1915 (75.39)					
	500 (19.69)	1220 (48.03)	1010 (39.76)	2070 (81.50)					
	600 (23.62)	1420 (55.91)	1210 (47.64)	2385 (93.90)					
	750 (29.53)	1720 (67.72)	1510 (59.45)	2855 (112.40)					
	800 (31.50)	1820 (71.65)	1610 (63.39)	3015 (118.70)					
	1000 (39.37)	2220 (87.40)	2010 (79.13)	3640 (143.31)					

TL Steel cable chain/ specification



Part Number Structure

TL80III*R*Bi*L*n

- Quantity
- Length of cable chain
- Inner Width
- Bending Radius
- Supporting board type
- Model

1. III support plate—extruded aluminum alloy
2. Separator—nylon
3. Axle pin—alloy steel
4. I and II support plate— extruded aluminum alloy (I Integrated Type、II separate Type)

these spare parts are customized

Table 2 (TL series specification)

Model	BendingRadius <R>	Inner Height <Hi>	Inner Width <Bi>	Outer Height <H>	Outer Width <Ba>	Weight <G>	Remark
	mm (in.)	mm (in.)	mm (in.)	mm (in.)	mm (in.)	kg/m (ibs/ft)	
TL30	Refer To Table One	10 (0.39)	Customized	25 (0.98)	(Wi+8mm)	According to actual weight	
TL45		16 (0.63)		32 (1.26)	(Wi+12mm)		
TL65		24 (0.94)		44 (1.73)	(Wi+18mm)		
TL80		32 (1.26)		56 (2.20)	(Wi+18mm)		
TL95		47 (1.85)		70 (2.76)	(Wi+20mm)		
TL115		58 (2.28)		86 (3.39)	(Wi+24mm)		
TL125		68 (2.68)		100 (3.94)	(Wi+24mm)		
TL155		86 (3.39)		120 (4.72)	(Wi+26mm)		
TL180		112 (4.41)		144 (5.67)	(Wi+26mm)		
TL225		154 (6.06)		200 (7.87)	(Wi+26mm)		
TL250		172 (6.77)		220 (8.66)	(Wi+28mm)		

Order details-integrated chain

Please provide length or links of drag chain for example :1 meter or 12 links

TL80III*R200*200*1000*2

TL80 steel drag chains with a length of 1 meter, radius of 200mm, inner width 200mm,and type III support plate

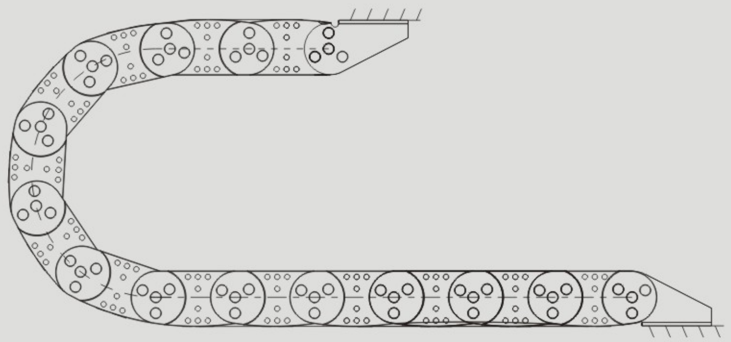
POWET®
TL系列钢制拖链 TL SERIES STEEL TOW CHAIN

TL series-bracket

Metal brackets, split type

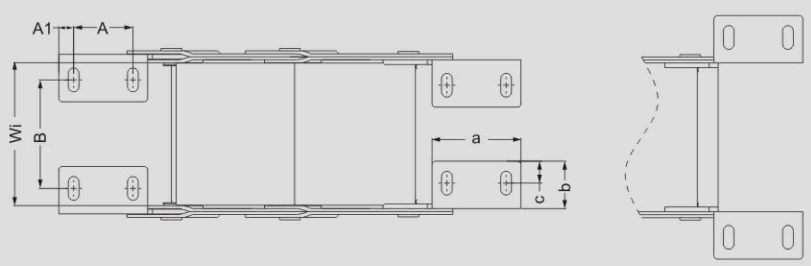
- Two ends Independent steel bracket
- Anti-corrosion& wear resisting
- In/out mounting method

Bracket mounting

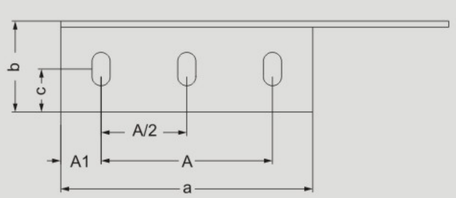


Mounting Type 1

Mounting Type 2



TL30 / TL45 / TL65 / TL80 / TL95 / TL115 / TL125 / TL155 / TL180 Bracket diagram



TL225 / TL250 Bracket diagram

Table 3 (TL series bracket parameter)

Cable Chain Version	Hole Diameter	A size	B size	A1 size	a size	b size	c size
		mm (in.)	mm (in.)	mm (in.)	mm (in.)	mm (in.)	mm (in.)
TL30	ϕ6.4	25 (0.98)	(Wi-16mm)	7.5 (0.30)	40 (1.57)	15 (0.59)	7 (0.28)
TL45	ϕ6.4*10	22.5 (0.89)	(Wi-25mm)	10 (0.39)	45 (1.77)	22.5 (0.89)	10 (0.39)
TL65	ϕ7*17	45 (1.77)	(Wi-34mm)	15 (0.59)	75 (2.95)	30 (1.18)	13 (0.51)
TL80	ϕ9*18	40 (1.57)	(Wi-35mm)	15 (0.59)	70 (2.76)	35 (1.38)	17 (0.67)
TL95	ϕ9*18	65 (2.56)	(Wi-50mm)	20 (0.79)	105 (4.13)	45 (1.77)	20 (0.79)
TL115	ϕ12*22	75 (2.95)	(Wi-50mm)	22.5 (0.89)	120 (4.72)	45 (1.77)	20 (0.79)
TL125	ϕ11*20	80 (3.15)	(Wi-60mm)	25 (0.98)	130 (5.12)	55 (2.17)	25 (0.98)
TL155	ϕ15*30	90 (3.54)	(Wi-65mm)	25 (0.98)	157 (6.18)	60 (2.36)	27.5 (1.08)
TL180	ϕ13*23	115 (4.53)	(Wi-70mm)	30 (1.18)	175 (6.89)	60 (2.36)	25 (0.98)
TL225	ϕ18*33	170 (6.69)	(Wi-95mm)	40 (1.57)	250 (9.87)	90 (3.54)	42.5 (1.67)
TL250	ϕ18*33	170 (6.69)	(Wi-95mm)	40 (1.57)	250 (9.87)	90 (3.54)	42.5 (1.67)