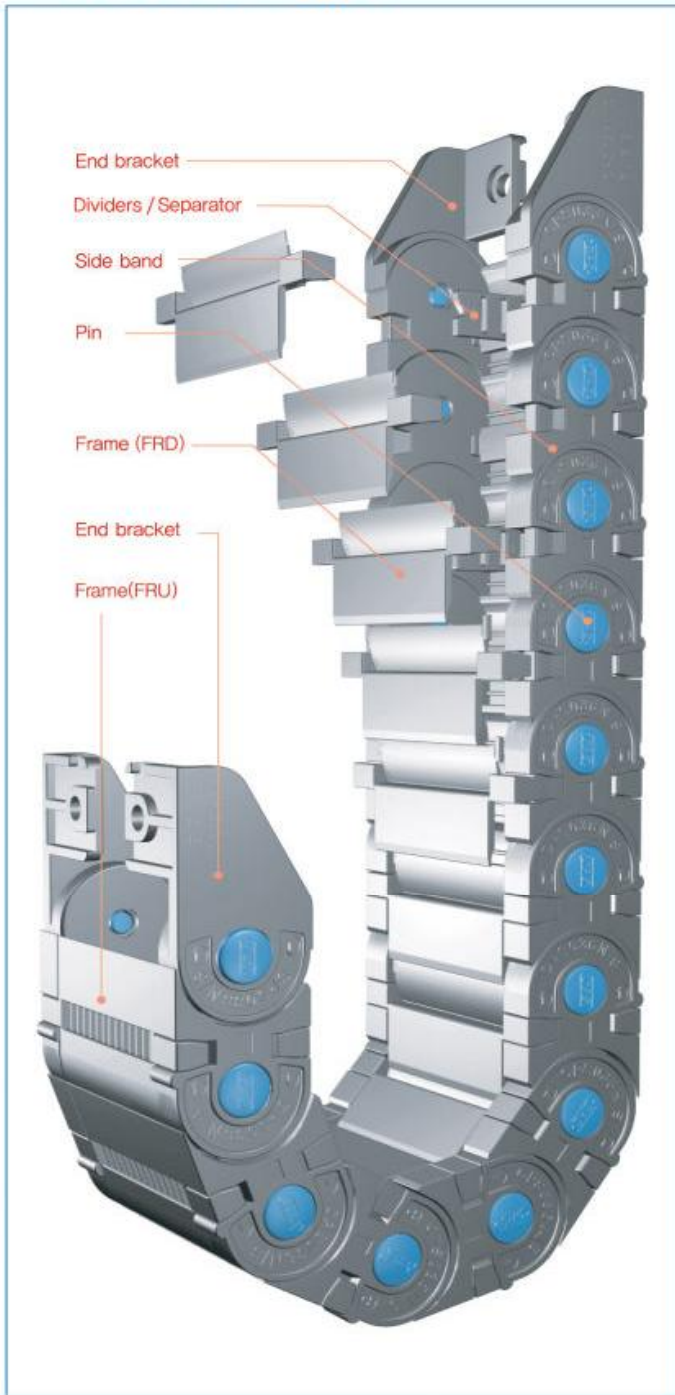




CPS CABLECHAIN®



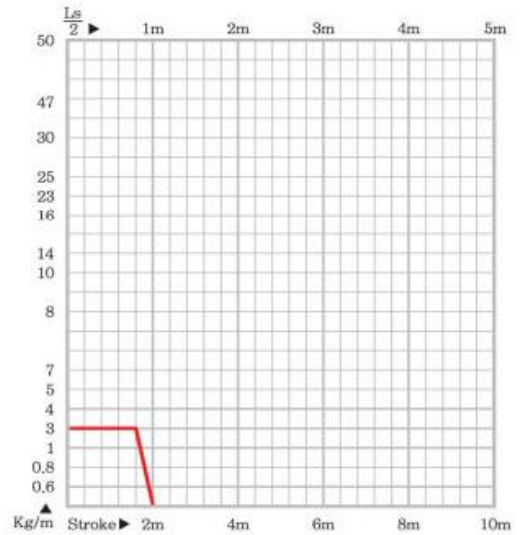
ENCLOSED Type



CPS CABLECHAIN®

CPS 036E Type

- 1 Chain material**
CPS-polyamide with glass fiber reinforced, UL94-HB
- 2 Low Noise** : 43 dB
(DIN EN 61672-1)
- 3 Applications** :
Gantry robot, Machine Tool
Textile machine, Welding machine,
Feeder unit, Assembly loader
- 4 Speed** : 10m/sec
- 5 Temperature** : -30°C ~ +130°C
- 6 Vertical installation Lengths**
 - Curve above = max. 2m
 - Curve below = max. 40m
 - Side Mounted, Unsupported = max. 1,0m
- 7 Load diagrams**
self-supporting length



8 Calculation of the chain length

$$L = \frac{L_s}{2} + L_p$$



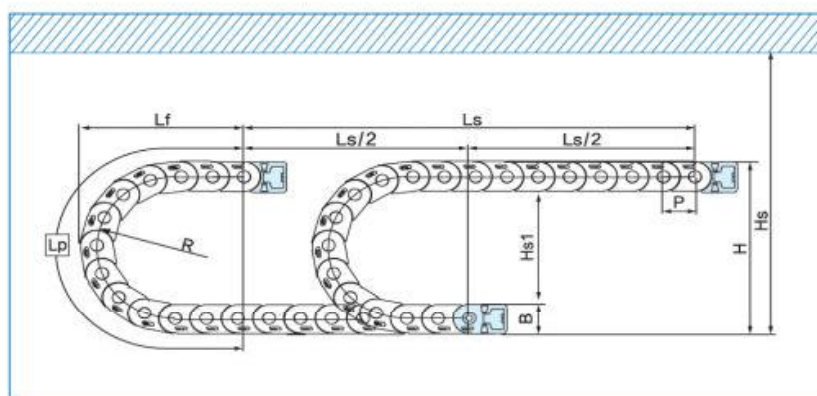
CPS CABLECHAIN®



CPS 036E

► Lay out of the CPS cable chain

- Ls : stroke
- Lp : loof length
- Lf : loof projection
- Hs : safe space



Type CPS036E

Pitch P : 36mm
 Height B : 38mm
 Height H : 2R+B
 $Hs \geq H+30mm$
 $Hs1 \leq -30mm$

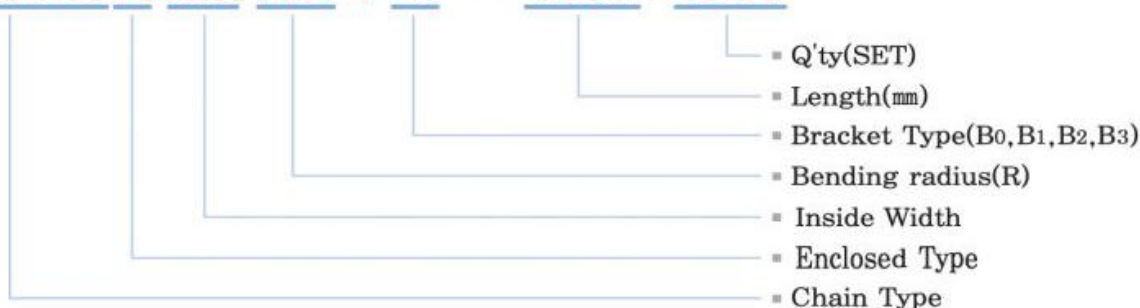
(dimensions in mm)

Bending radius R	70	90	120	150
Lp	360	420	520	615
Lf	160	180	210	240
H	178	218	278	338

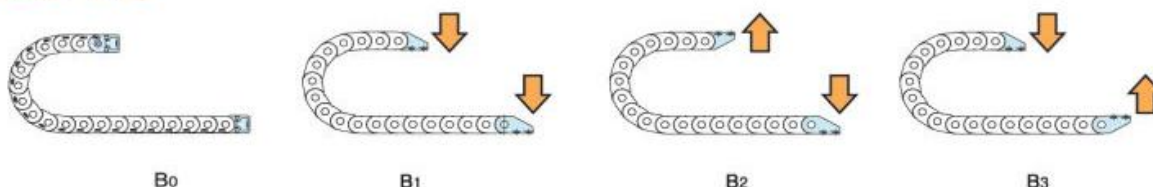
CPS CABLECHAIN®

► Ordering

CPS036E.075. R70 / B₂ - 900L : 10ST



► Bracket Type



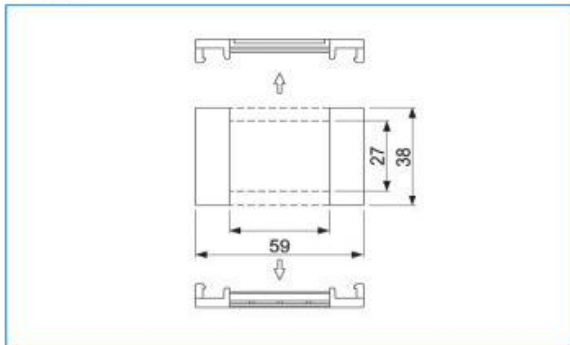


CPS CABLECHAIN®

CPS 036E

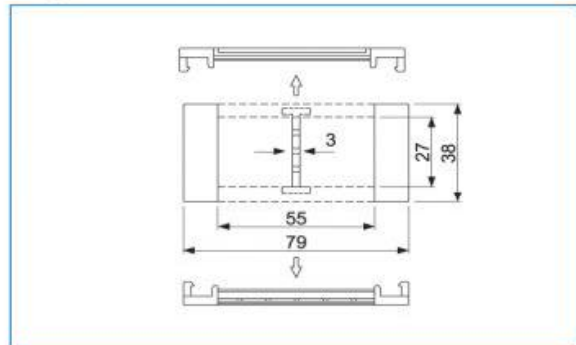
Chain cross section

• Type CPS036E.035



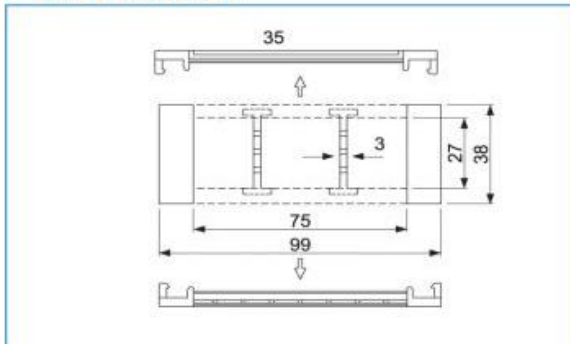
Up, Downside open frame

• Type CPS036E.055



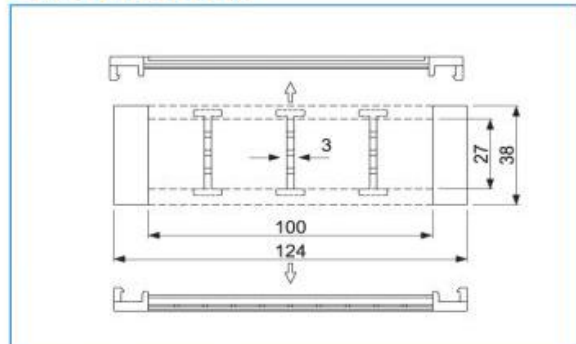
Up, Downside open frame

• Type CPS036E.075



Up, Downside open frame

• Type CPS036E.100



Up, Downside open frame

CPS CABLECHAIN®

Chain Radius, weight

Chain Type	Bending Radius(R)	Weight in kg/m
CPS036E.035	70, 90, 120, 150	1.23
CPS036E.055		1.35
CPS036E.075		1.46
CPS036E.100		1.63



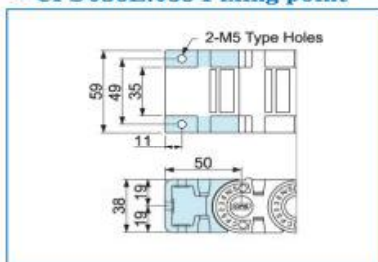
CPS CABLECHAIN[®]



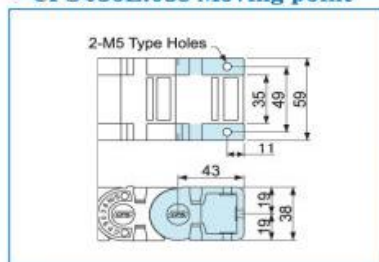
CPS 036E

End Bracket - Easy Type

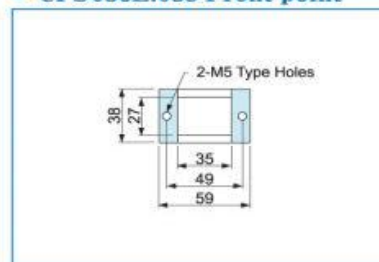
• CPS036E.035 Fixing point



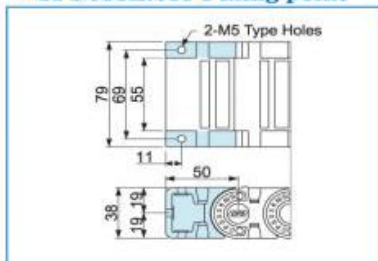
• CPS036E.035 Moving point



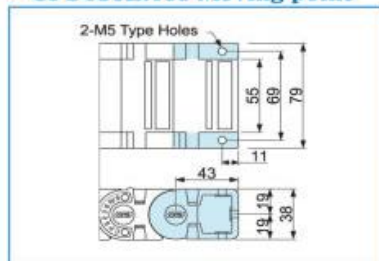
• CPS036E.035 Front point



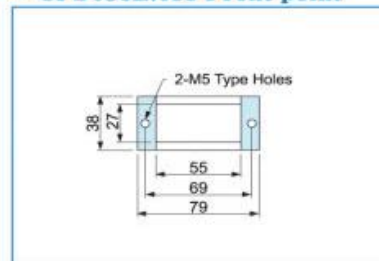
• CPS036E.055 Fixing point



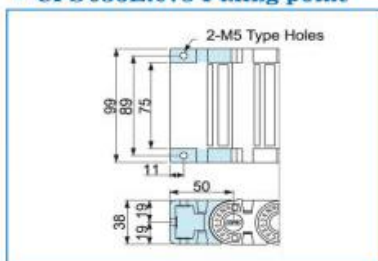
• CPS036E.055 Moving point



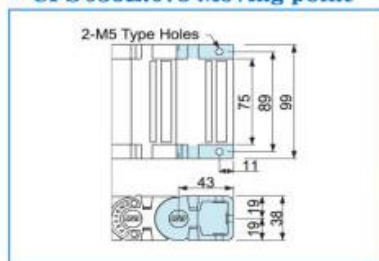
• CPS036E.055 Front point



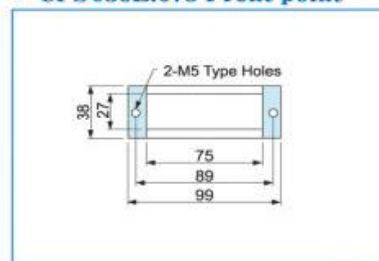
• CPS036E.075 Fixing point



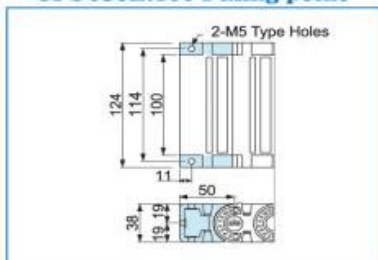
• CPS036E.075 Moving point



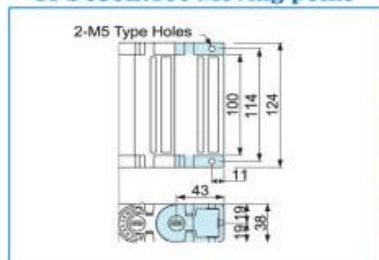
• CPS036E.075 Front point



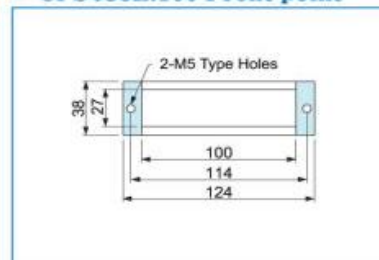
• CPS036E.100 Fixing point



• CPS036E.100 Moving point



• CPS036E.100 Front point



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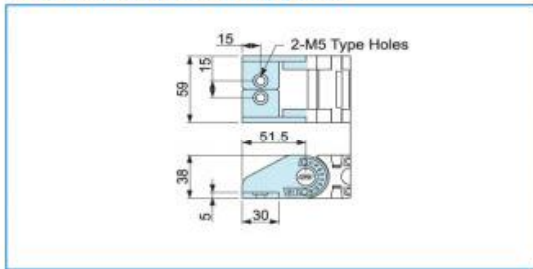


CPS CABLECHAIN®

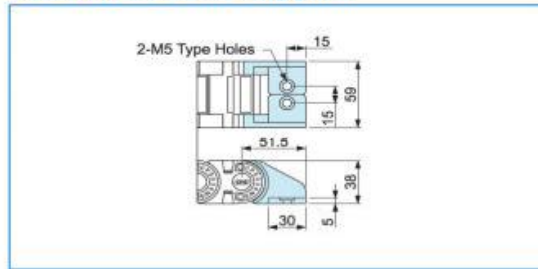
CPS 036E

End Bracket - Normal Type

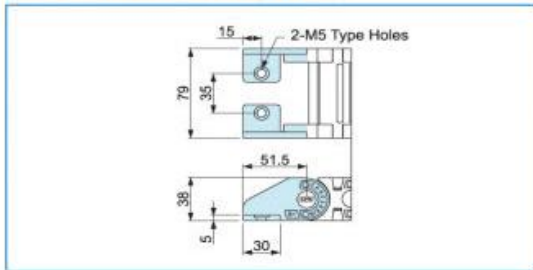
• CPS036E.035 Fixing point



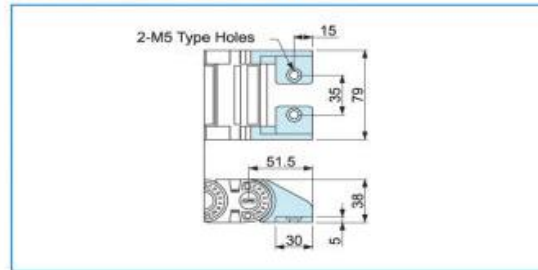
• CPS036E.035 Moving point



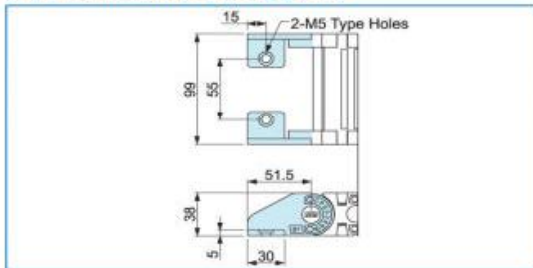
• CPS036E.055 Fixing point



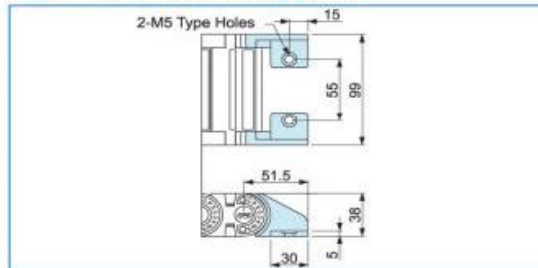
• CPS036E.055 Moving point



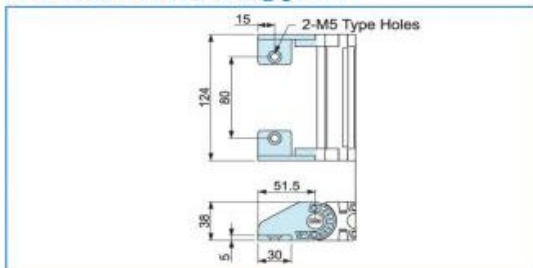
• CPS036E.075 Fixing point



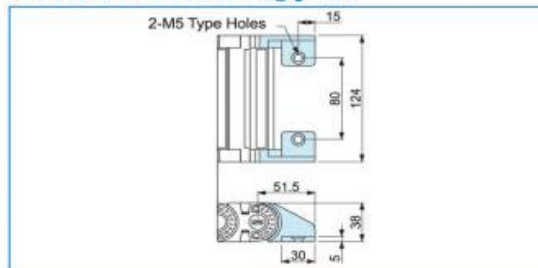
• CPS036E.075 Moving point



• CPS036E.100 Fixing point



• CPS036E.100 Moving point



CPS CABLECHAIN®



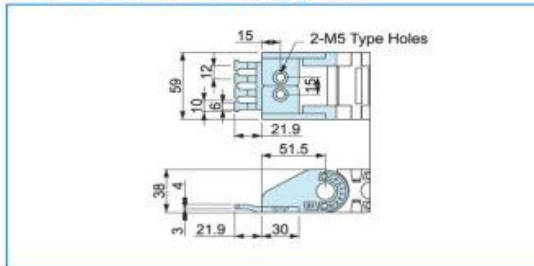
CPS CABLECHAIN[®]



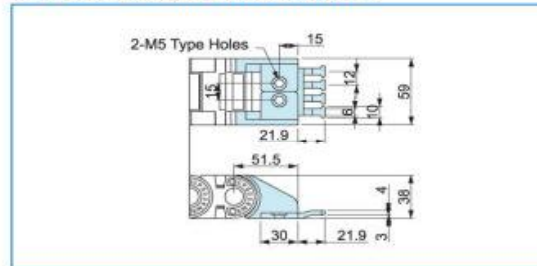
CPS 036E

End Bracket – Tiewrap Type

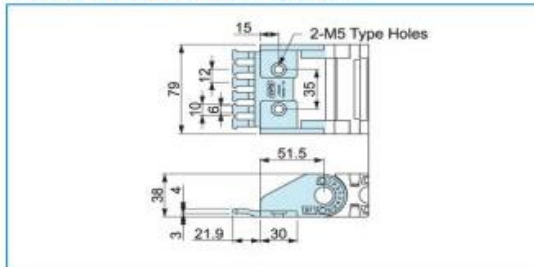
• CPS036E.035T Fixing point



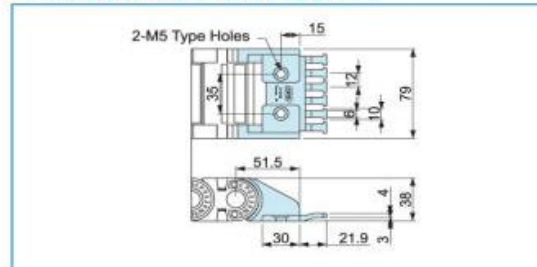
• CPS036E.035T Moving point



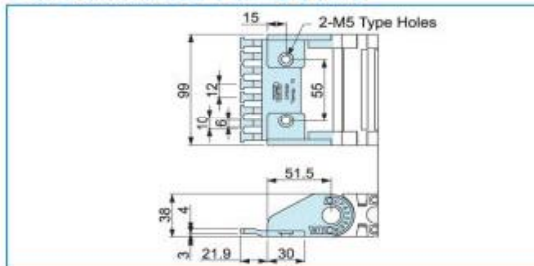
• CPS036E.055T Fixing point



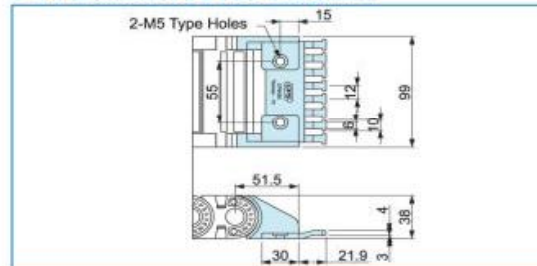
• CPS036E.055T Moving point



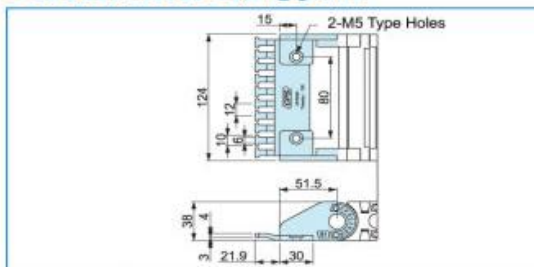
• CPS036E.075T Fixing point



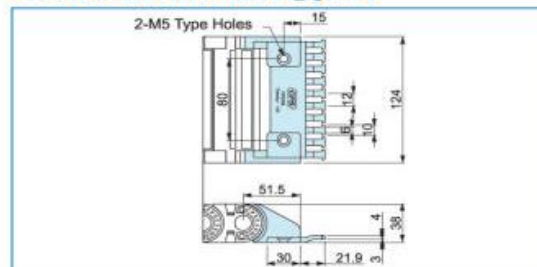
• CPS036E.075T Moving point



• CPS036E.100T Fixing point



• CPS036E.100T Moving point



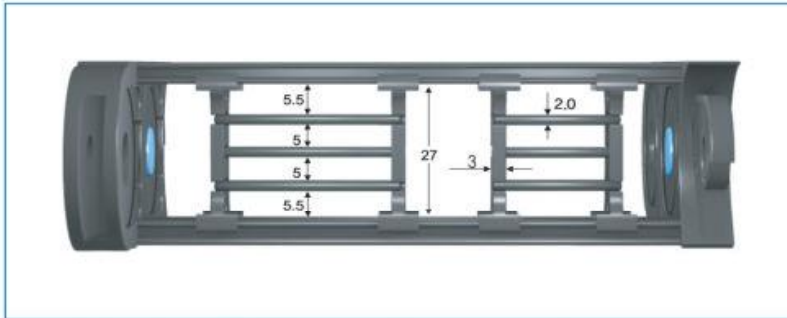
CPS CABLECHAIN[®]



CPS CABLECHAIN®

CPS 036E

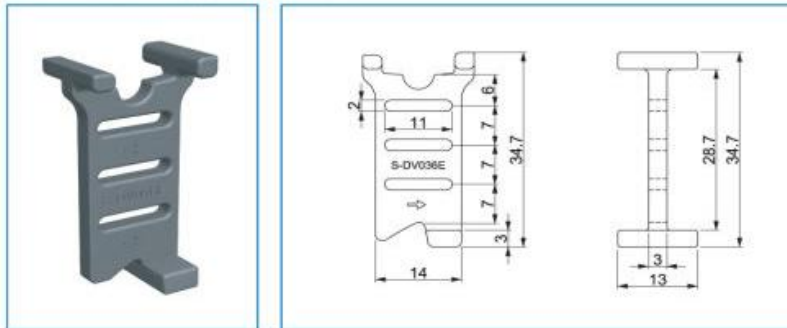
Interior Section



Dividers & Separator are differently installed into the inside of cable chain depending on number & size of cable and inside space of cable chain can be divided into max.4 story by separator.

체인내부에 설치되는 디바이더와 세퍼레이터는 입선되는 케이블의 수량과 크기에 따라 다르게 설치될 수 있으며 체인 내부를 최대 4단으로 세퍼레이터로 나눌 수 있다.

• Dividers : Type DV036E



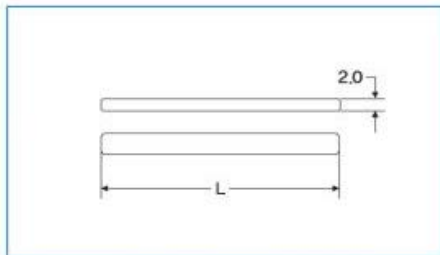
Installing dividers enables cables to divide from each other and also prevent them tangling together.

체인내부에 디바이더를 설치하여 입선되는 케이블을 서로 분리시키는 역할을 하며 케이블의 엉킴현상을 방지한다.

• Separators



Type	Length (L) / mm
S-SP/M.035	35
S-SP/M.055	55
S-SP/M.075	75
S-SP/M.100	100



The inserted separators into dividers have the function that separate cables and lessen the interference of cables so as to prevent them tangling and disconnection.

체인내부에 설치되는 디바이더에 삽입시키는 세퍼레이터는 케이블을 서로 분리시키는 역할을 하기에 케이블간의 상호간섭을 줄여 케이블의 엉킴현상 및 단선을 방지하는 역할을 한다.

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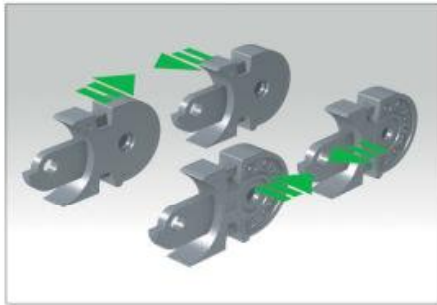


CPS CABLECHAIN®



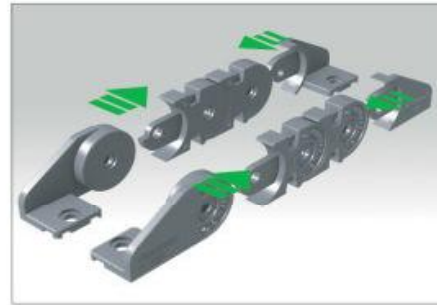
CPS 036E

Assembly Guide of CPS Cablechain



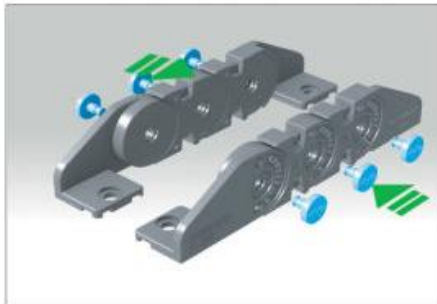
➡ Connect each body.

바디를 원하는 길이만큼 서로 연결한다.



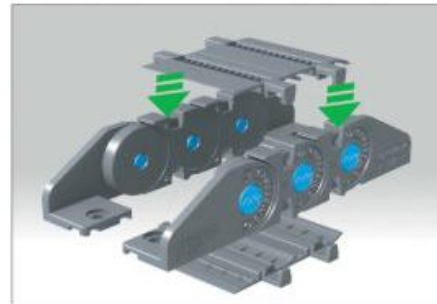
➡ Fix the End Brackets in the end of both sides.

연결된 바디의 양쪽끝부분에 브라켓을 연결한다.



➡ Assemble the link pin on the side

연결된 바디에 링크핀을 연결한다.



➡ Assemble the frames on the one side of cable chain.

서로 연결된 바디에 후레임을 결합한다.



TIP!

Above mentioned assembling way applies to only Enclose type (036E) and be sure to check brackets have 2 different types like B0, B1, B2, B3 according to connecting way before assembly.

위의 조립방식은 ENCLOSED Type(CPS036E)에 한하며 브라켓은 취부방향에 따라 B0, B1, B2, B3로 구분되므로 부착전 확인하여 조립하여야 한다.

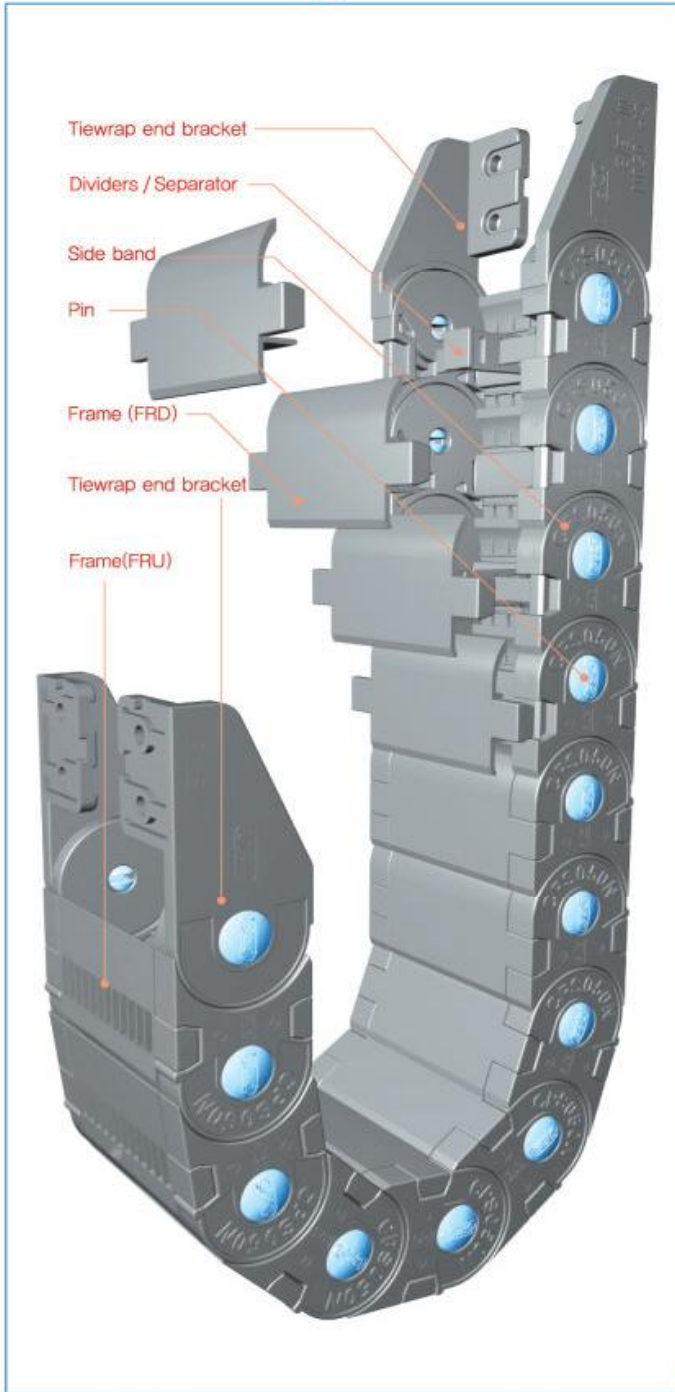
CPS CABLECHAIN®



CPS CABLECHAIN®



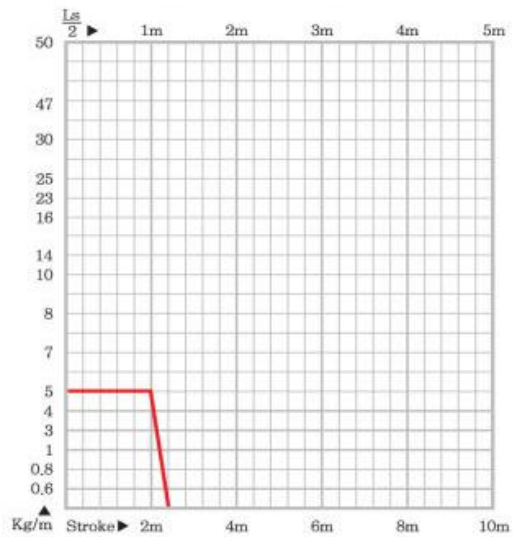
ENCLOSED Type



CPS CABLECHAIN®

CPS 050E Type

- 1 Chain material**
CPS-polyamide with glass fiber reinforced, UL94-HB
- 2 Low Noise** : 43 dB
(DIN EN 61672-1)
- 3 Applications** :
Gantry robot, Machine Tool
Textile machine, Welding machine,
Feeder unit, Assembly loader
- 4 Speed** : 10m/sec
- 5 Temperature** : -30°C ~ +130°C
- 6 Vertical installation Lengths**
 - Curve above = max. 3m
 - Curve below = max. 50m
 - Side Mounted, Unsupported = max. 1.0m
- 7 Load diagrams**
self-supporting length



8 Calculation of the chain length

$$L = \frac{L_s}{2} + L_p$$



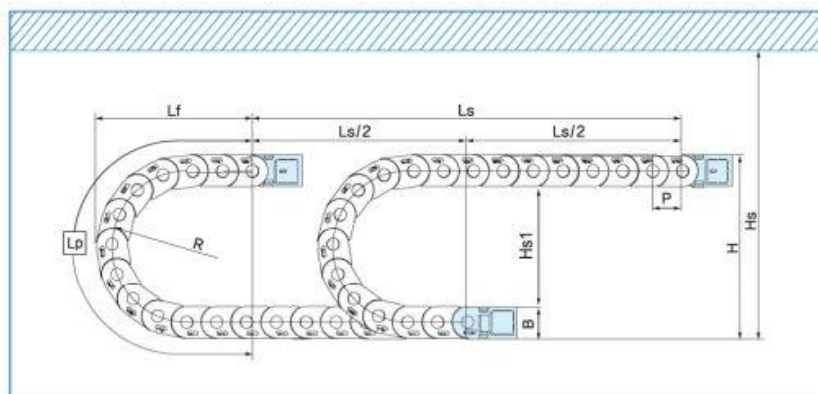
CPS CABLECHAIN®



CPS 050E

Layout of the CPS cable chain

- Ls : stroke
- Lp : loop length
- Lf : loop projection
- Hs : safe space



Type CPS050E

Pitch P : 50mm
 Height B : 38mm
 Height H : 2R+B
 $H_s \geq H + 30\text{mm}$
 $H_{s1} \leq -30\text{mm}$

(dimensions in mm)

Bending radius R	100	125	150	200
Lp	514	593	671	828
Lf	225	260	275	325
H	252	302	352	452

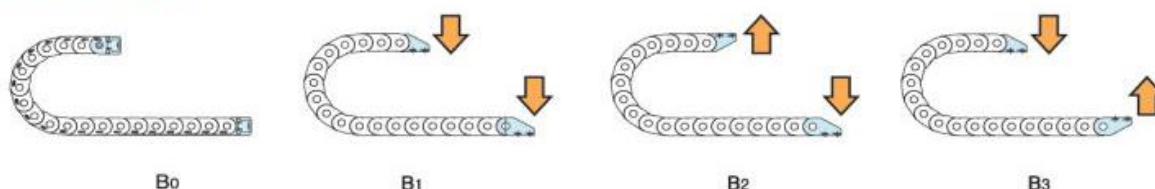
CPS CABLECHAIN®

Ordering

CPS050E.075. R70 / B₂ - 900L : 10ST

- Q'ty(SET)
- Length(mm)
- Bracket Type (B₀, B₁, B₂, B₃)
- Bending radius(R)
- Inside Width
- Enclosed Type
- Chain Type

Bracket Type



B₀

B₁

B₂

B₃

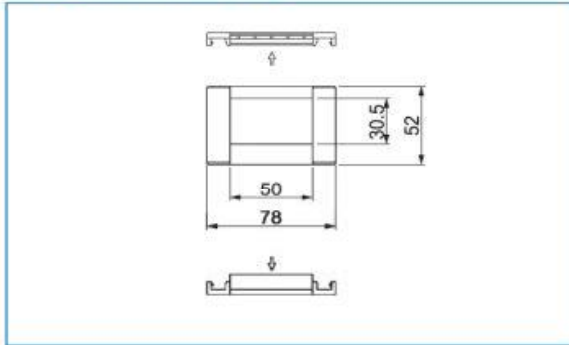


CPS CABLECHAIN®

CPS 050E

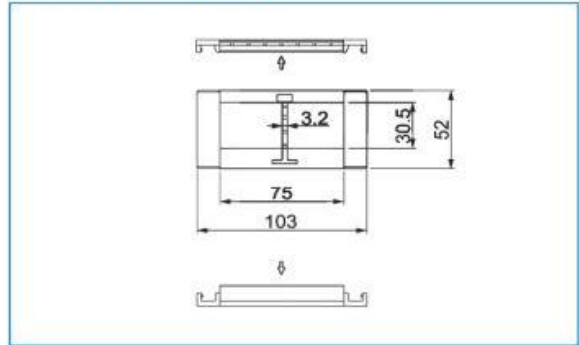
Chain cross section

• Type CPS50E.050



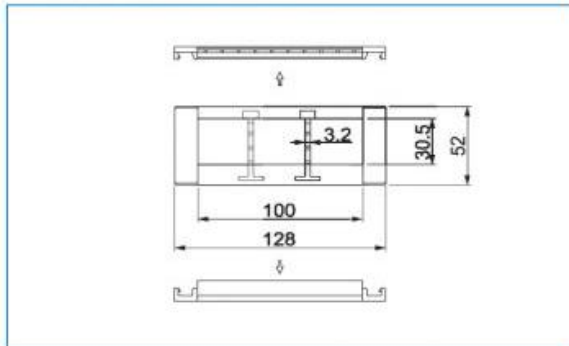
Downside open frame

• Type CPS050E.075



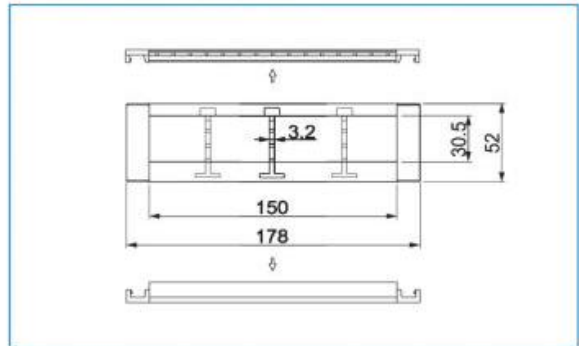
Downside open frame

• Type CPS050E.100



Downside open frame

• Type CPS050E.150



Downside open frame

CPS CABLECHAIN®

Chain Radius, weight

Chain Type	Bending Radius(R)	Weight in kg/m
CPS050E.050	100, 125, 150, 200	2.04
CPS050E.075		2.26
CPS050E.100		2.49
CPS050E.150		3.01



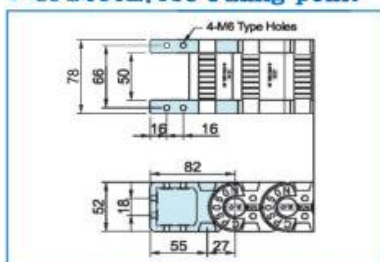
CPS CABLECHAIN®



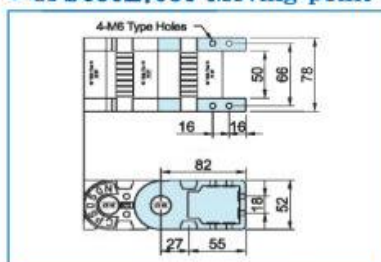
CPS 050E

End Bracket – Easy Type

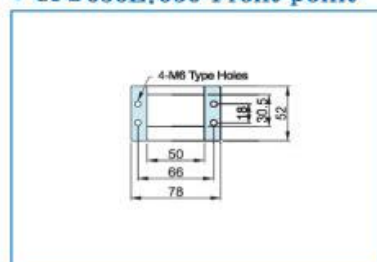
● CPS050E.050 Fixing point



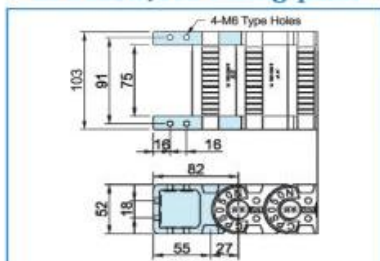
● CPS050E.050 Moving point



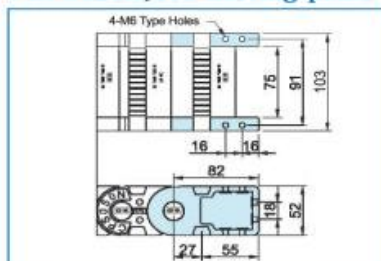
● CPS050E.050 Front point



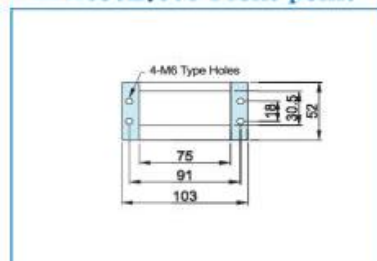
● CPS050E.075 Fixing point



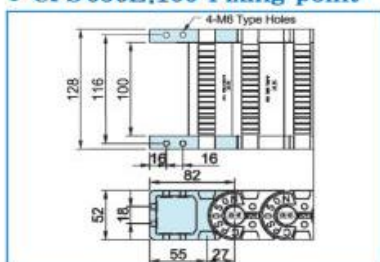
● CPS050E.075 Moving point



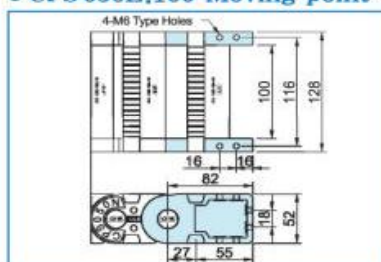
● CPS050E.075 Front point



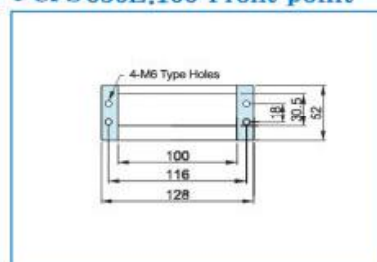
● CPS 050E.100 Fixing point



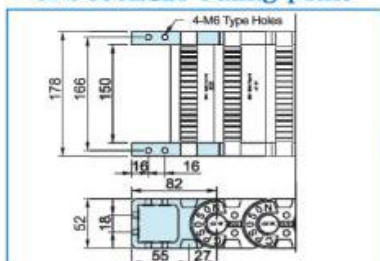
● CPS 050E.100 Moving point



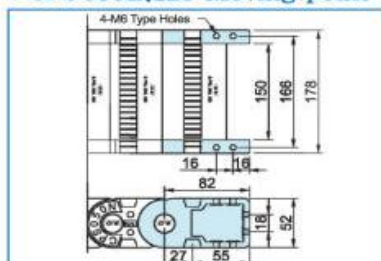
● CPS 050E.100 Front point



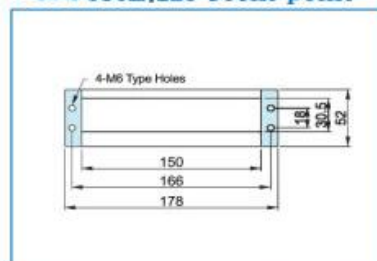
● CPS 050E.125 Fixing point



● CPS 050E.125 Moving point



● CPS 050E.125 Front point



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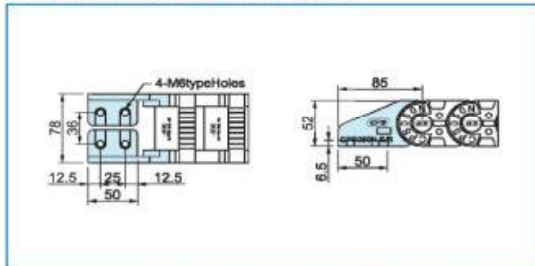


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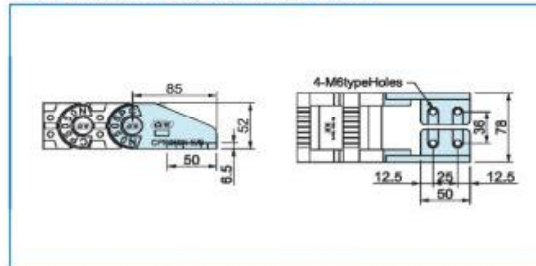
CPS 050E

End Bracket – Normal Type

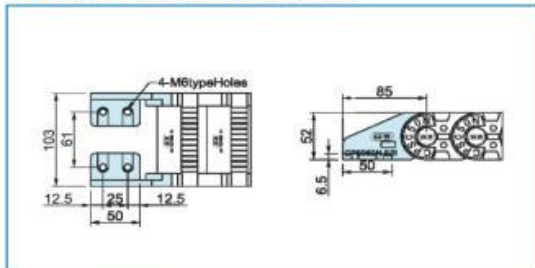
● CPS050E,050 Fixing point



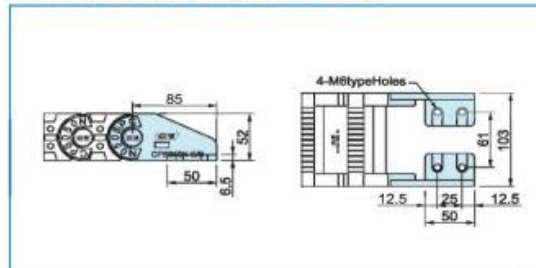
● CPS050E,050 Moving point



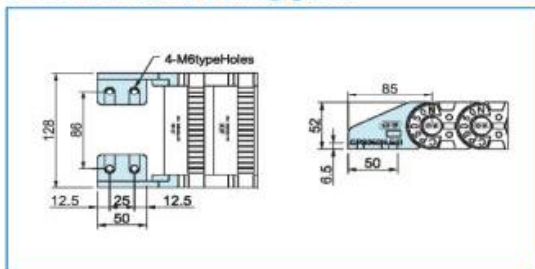
● CPS050E,075 Fixing point



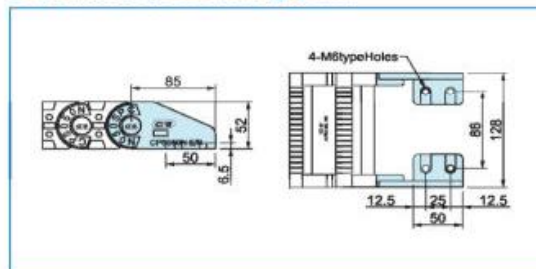
● CPS050E,075 Moving point



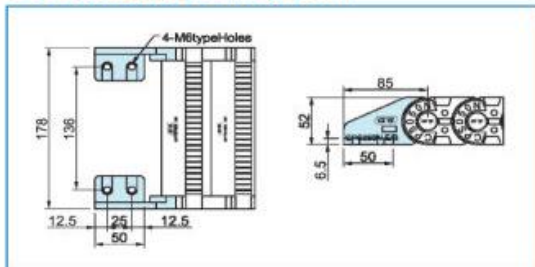
● CPS050E,100 Fixing point



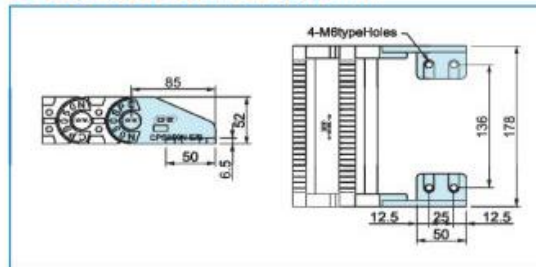
● CPS050E,100 Moving point



● CPS050E,150 Fixing point



● CPS050E,150 Moving point



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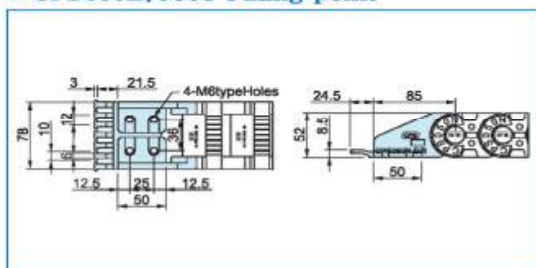
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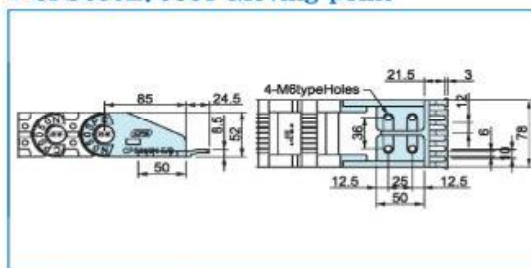
CPS 050E

End Bracket – Tiewrap Type

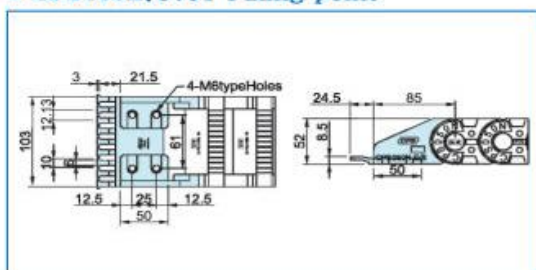
● CPS050E, 050T Fixing point



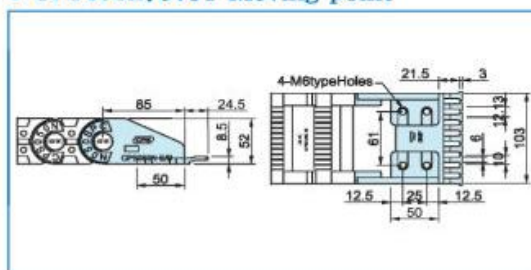
● CPS050E, 050T Moving point



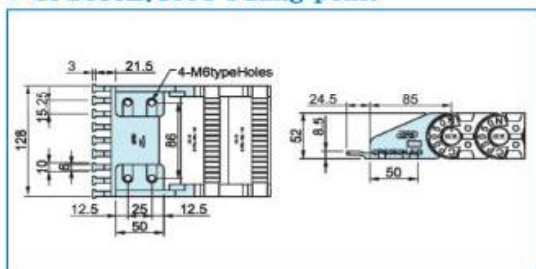
● CPS050E, 075T Fixing point



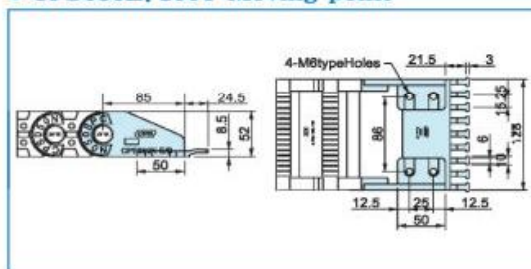
● CPS050E, 075T Moving point



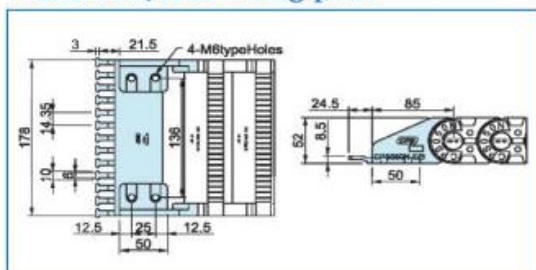
● CPS050E, 100T Fixing point



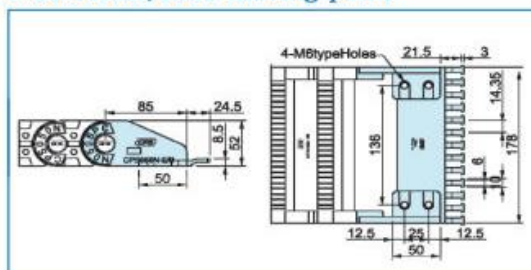
● CPS050E, 100T Moving point



● CPS050E, 150T Fixing point



● CPS050E, 150T Moving point



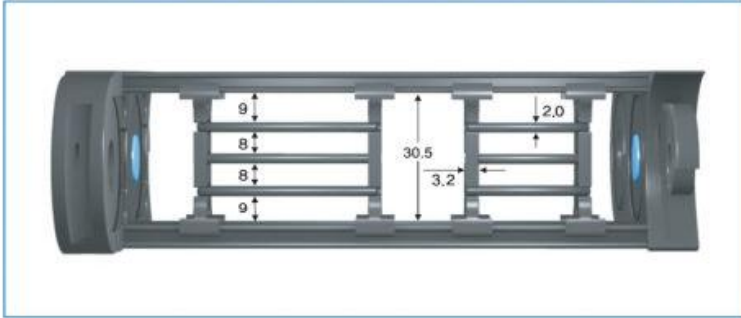
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CPS CABLECHAIN®

CPS 050E

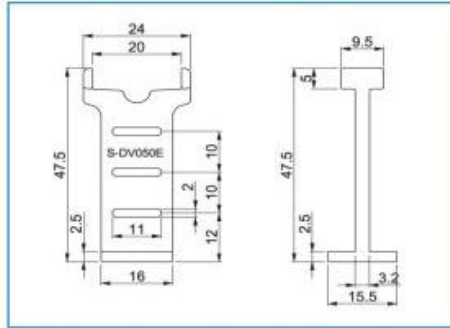
Interior Section



Dividers & Separator are differently installed into the inside of cable chain depending on number & size of cable and inside space of cable chain can be divided into max.4 story by separator.

체인내부에 설치되는 디바이더와 세퍼레이터는 입선되는 케이블의 수량과 크기에 따라 다르게 설치될 수 있으며 체인 내부를 최대 4단으로 세퍼레이터로 나눌 수 있다.

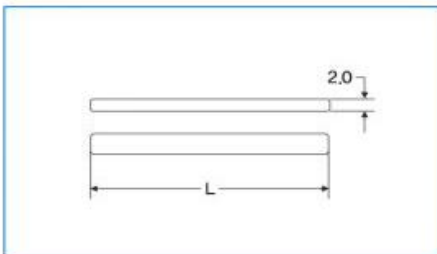
• Dividers : Type DV050E



Installing dividers enables cables to divide from each other and also prevent them tangling together.

체인내부에 디바이더를 설치하여 입선되는 케이블을 서로 분리시키는 역할을 하며 케이블의 엉킴현상을 방지한다.

• Separators



Type	Length (L) / mm
S-SP/M,050	50
S-SP/M,075	75
S-SP/M,100	100
S-SP/M,150	150

The inserted separators into dividers have the function that separate cables and lessen the interference of cables so as to prevent them tangling and disconnection.

체인내부에 설치되는 디바이더에 삽입시키는 세퍼레이터는 케이블을 서로 분리시키는 역할을 하기에 케이블간의 상호간섭을 줄여 케이블의 엉킴현상 및 단선을 방지하는 역할을 한다.

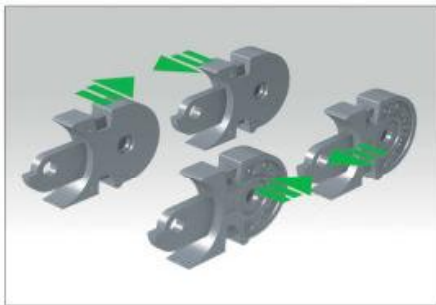


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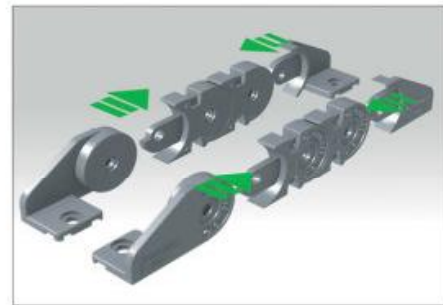


CPS 050E

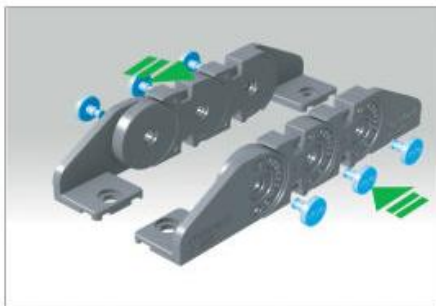
Assembly Guide of CPS Cablechain



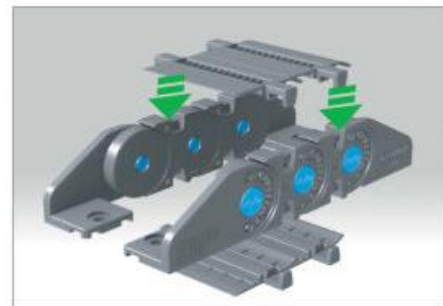
➡ Connect each body.
바디를 원하는 길이만큼 서로 연결한다.



➡ Fix the End Brackets in the end of both sides.
연결된 바디의 양쪽끝부분에 브라켓을 연결한다.



➡ Assemble the link pin on the side
연결된 바디에 링크핀을 연결한다.



➡ Assemble the frames on the one side of cable chain.
서로 연결된 바디에 후레임을 결합한다.



TIP!

Above mentioned assembling way applies to only Enclose type (050E) and be sure to check brackets have 2 different types like B0, B1, B2, B3 according to connecting way before assembly.

위의 조립방식은 ENCLOSED Type(CPS050E)에 한하며 브라켓은 취부방향에 따라 B0, B1, B2, B3로 구분되므로 부착전 확인하여 조립하여야 한다.

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