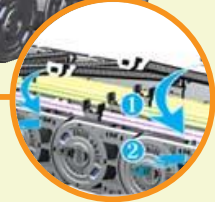
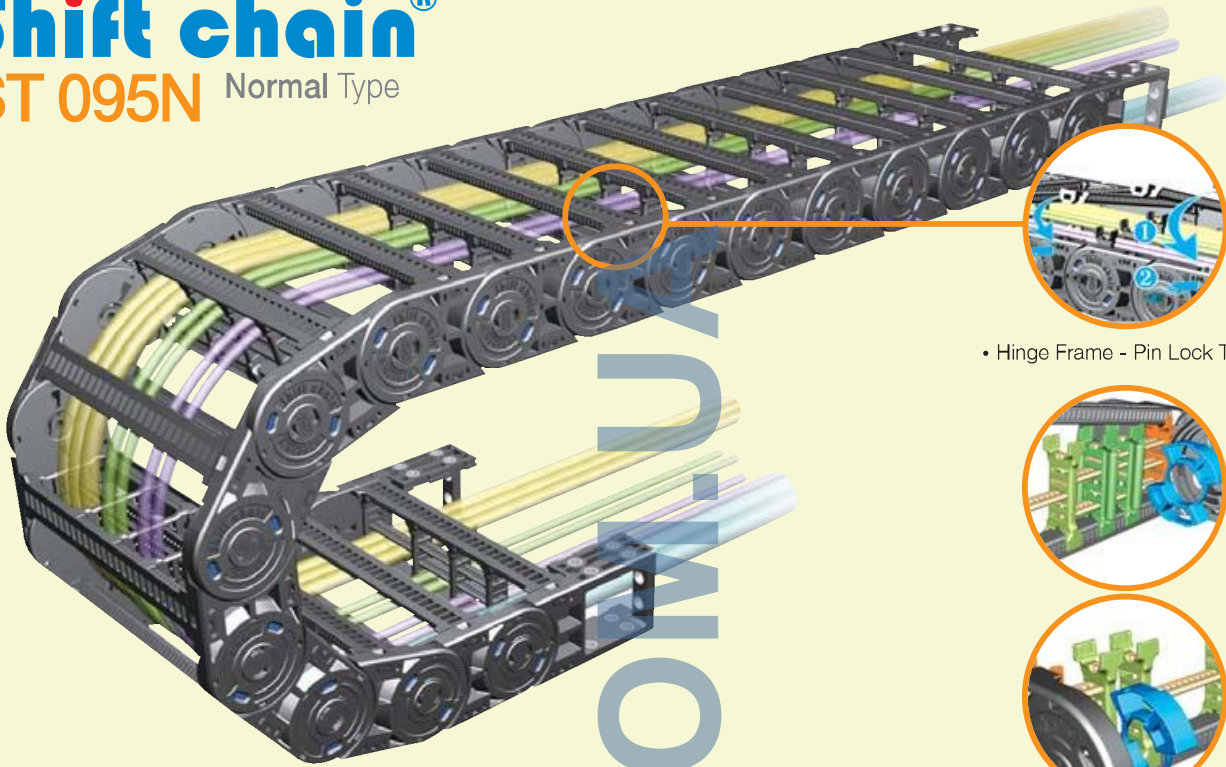
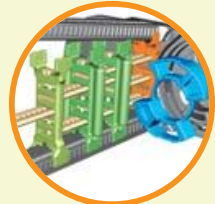


Min ●●●●● Max

Shift chain® ST 095N Normal Type



• Hinge Frame - Pin Lock Type •



• Shift chain - 내부구조 •

SHIFT CHAIN

SAVEN CHAIN

REVOLVING CHAIN

HELIX CHAIN

ROBOT-IT

OPSTILEX

OPSTIX

MATERIAL

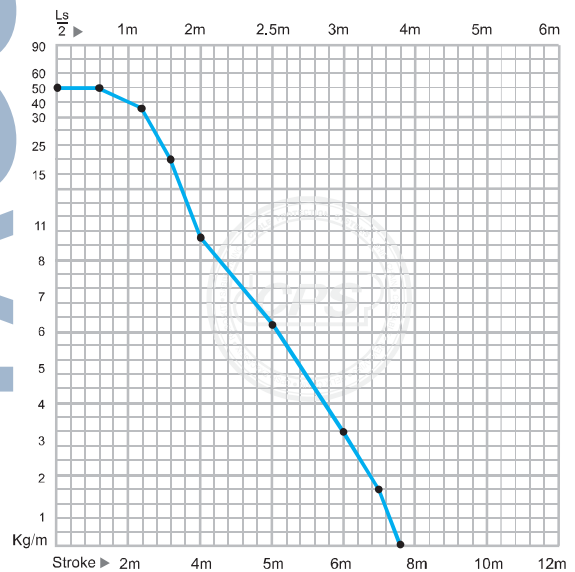
- **Chain material:**
CPS-polyamide with glass fiber reinforced UL94-HB
- **Low Noise**
- **Low Mote**
- **Speed :** 10m / sec
- **Temperature :** -30°C ~ +130°C
- **Other installation Length:**
Vertical curve above= max 6.0m
Vertical curve below= max 100m
Side Mounted, Unsupported= max 3.0m

- **Applications**
Gantry robot, Machining center, Textile machine, Welding machine, Feeder unit, Assembly Loader, Wood work machine, Fabric machine.
컨츄리로봇, 공작기계, 용접기계, 인쇄기계, 로봇케리지등 케이블 체인의 적용사업장에 사용가능.

Calculation of the chain length

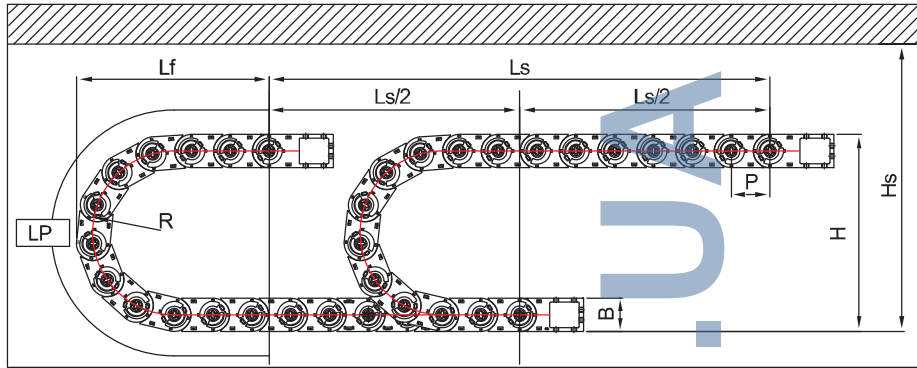
$$\left[L = \frac{L_s}{2} + L_p \right]$$

Load diagrams self-supporting length



ST 095N Normal Type

LAYOUT OF THE CHAIN



(Dimensions in mm)

Bending radius R	135	150	200	230	280	400
Lp	805	855	1,010	1,110	1,260	1,640
L f	364	374	428	459	505	629
H	352	382	482	542	642	882

- Ls:** Stroke
- Lp:** Loop Length
- L f:** Loop Projection
- Hs:** Safe Space

ST 095N Type

- Pitch P:** 95mm
- Height B:** 82mm
- Height H:** 2R+82mm
- Hs** ≥ H+50mm

ORDERING (주문방법)

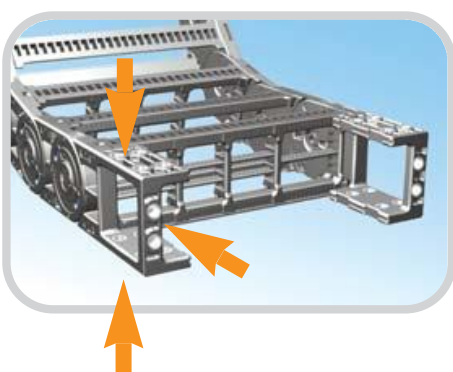
ST 095N. 200. R230 / F - 2500L : 10ST



- 주문수량 Q'ty(set)
- 체인길이 Length(mm)
- 브라켓 Free End Bracket
- 곡률반경 Bending Radius
- 내폭 Inside Width
- 표준형타입 Normal Type

Shift Chain

BRACKET TYPE (브라켓타입)



FEB (Free End Bracket)

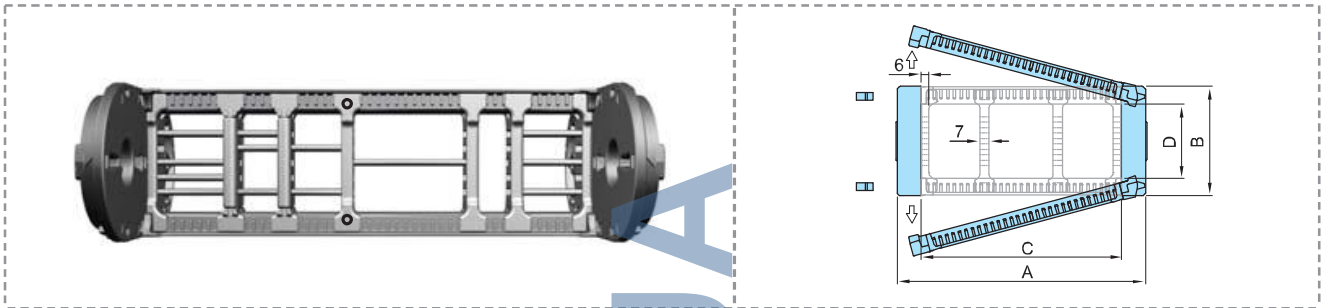
FEB Fixes the cable chain to the machinery or moving application. CPS has improved mounting efficiency by unifying the existing Easy End Bracket and Normal End Bracket. For added strength, steel spacers are inserted into the fixing holes of each Free End Bracket.

체인을 고정하는 끝부분으로 기존 Easy End Bracket 과 Normal End Bracket 을 하나로 통합한 방식으로 취부의 효율성을 높임, 또한 스틸와셔를 결합하여 더욱 견고한 취부가 가능.

*Above products are patent registered item which can be protected by industrial property right. (상기제품은 특허등록 제품으로 산업재산권의 보호를 받는 제품입니다.)

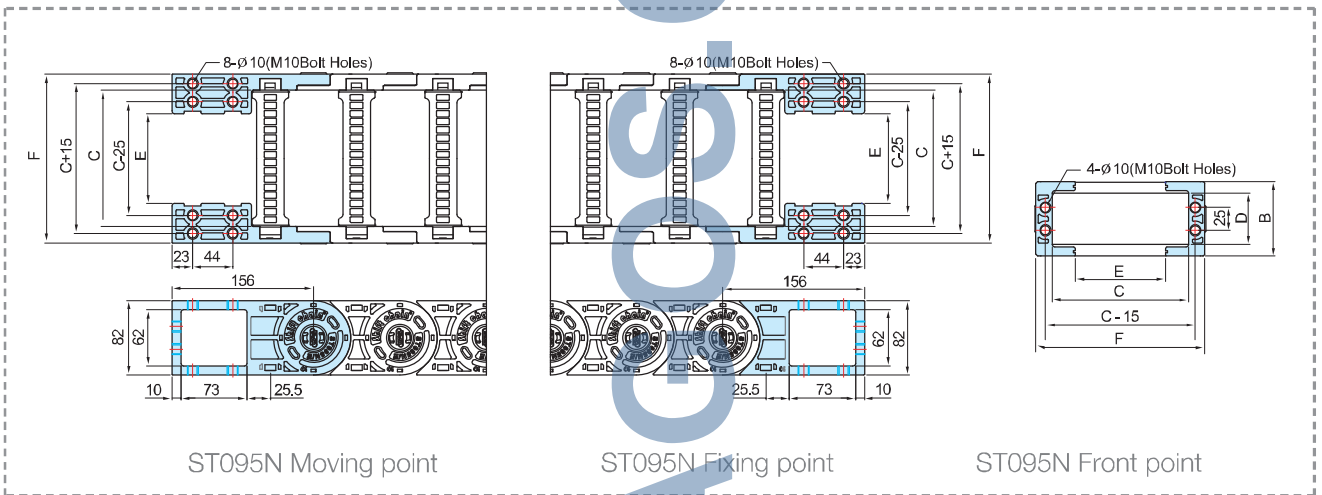
ST 095N Normal Type

CHAIN CROSS SECTION



Chain Type	A	B	C	D	Bending Radius(R)	Weight in kg/m
ST 095N.075	113	82	75	56	135, 150, 200, 230, 280, 400	3.11
ST 095N.100	138		100			3.17
ST 095N.125	163		125			3.37
ST 095N.150	188		150			3.49
ST 095N.175	213		175			3.60
ST 095N.200	238		200			3.79
ST 095N.250	288		250			4.05
ST 095N.300	338		300			4.31
ST 095N.350	388		350			4.69
ST 095N.400	438		400			5.05

FREE END BRACKET



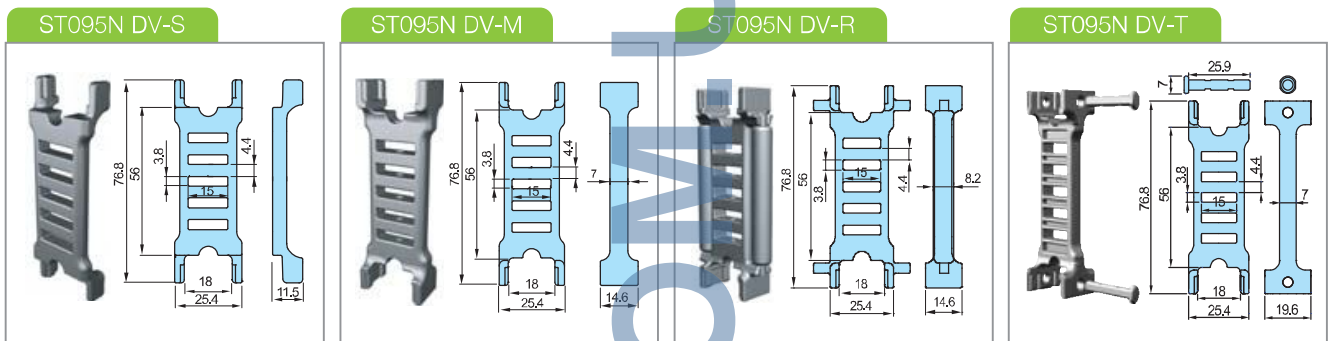
Chain Type	F	B	C	D	E	Hole Type
ST 095N.075	113	82	75	56	24	M10 Bolt Holes
ST 095N.100	138		100		49	
ST 095N.125	163		125		74	
ST 095N.150	188		150		99	
ST 095N.175	213		175		124	
ST 095N.200	238		200		149	
ST 095N.250	288		250		199	
ST 095N.300	338		300		249	
ST 095N.350	388		350		299	
ST 095N.400	438		400		349	

ST 095N Normal Type

DIVIDERS

Dividers (Vertical) and Separators (Horizontal) divide the inner chamber of the cable chain to give each cable diameter its own center and keep the cables separated from each other. The use of separator in some cases, can also reduce the width requirements as two or more levels can be made within the same chamber. To prevent twisting or damage to the cables, as a rule, there needs to be at least 10% space between the inserted cable and its enclosure.

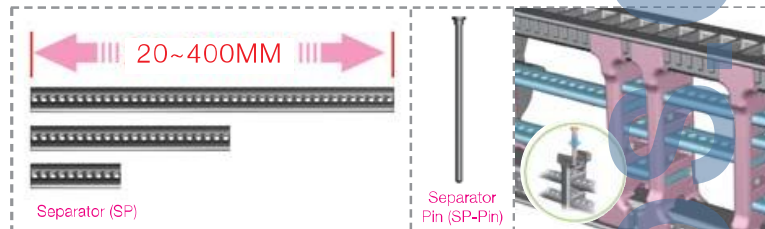
디바이더(세로분리대)와 세퍼레이터(가로분리대)는 체인내에 많은 케이블들이 입선될 시 케이블들을 서로 분리하여 케이블상호간의 마찰로 인한 **피복손상 및 단선**을 방지하는 역할을 하며 케이블과 10%이상의 여유공간을 확보해야 합니다. 또한 케이블을 체인내 2단이상 입선시 반드시 세퍼레이터를 디바이더에 결합하여 사용하여 케이블의 꼬임방지와 피복손상을 방지할 수 있습니다.



▶ Assemble divider every Two links. / 2링크마다 결합

▶ DV/T : Frame 250~400적용(상하 프레임을 연결)

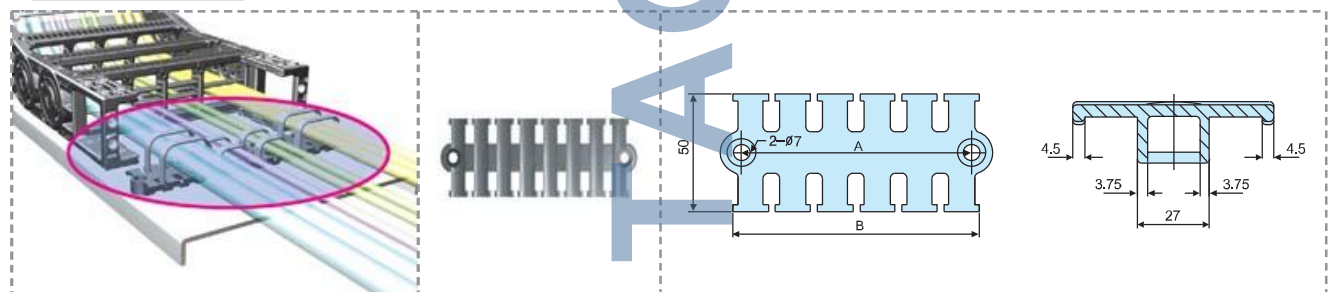
SEPARATORS (SP)



Separator is available in length from 20mm to 400mm and can be cut every 5mm for use. The combined use of divider and separator with the pin creates the most effective cable pattern and keep insertion space for cables safely, so it protects the inserted cables.

세퍼레이터의 사용길이는 최소20mm부터 최대400mm까지 사용가능하며 5mm간격으로 절단하여 원하는 길이로 사용가능합니다. 크기가 각각 다른 케이블을 크기에 맞게끔 공간분할이 용이하고 세퍼레이터 핀으로 결합하여 어떠한 경우에도 안전하게 케이블의 입선공간을 유지하여 안전하게 케이블을 보호할 수 있습니다.

TIE WRAP



The Tie Wrap separated from the Shift Chain bracket, when installed properly, protects the inserted cables from becoming entangled and twisted during operation.

Tie Wrap은 Shift Chain의 브라켓을 기준으로 바깥쪽으로 설치함으로써 체인의 움직임으로 인해 케이블의 유동을 방지하고자 고정하는 시스템으로 케이블의 피복손상 및 단선을 방지하는 역할을 합니다.

(Dimensions in mm)

Tie Wrap	050	075	100	125	150
A	58	75	98	122	141
B	65	82	105	129	148