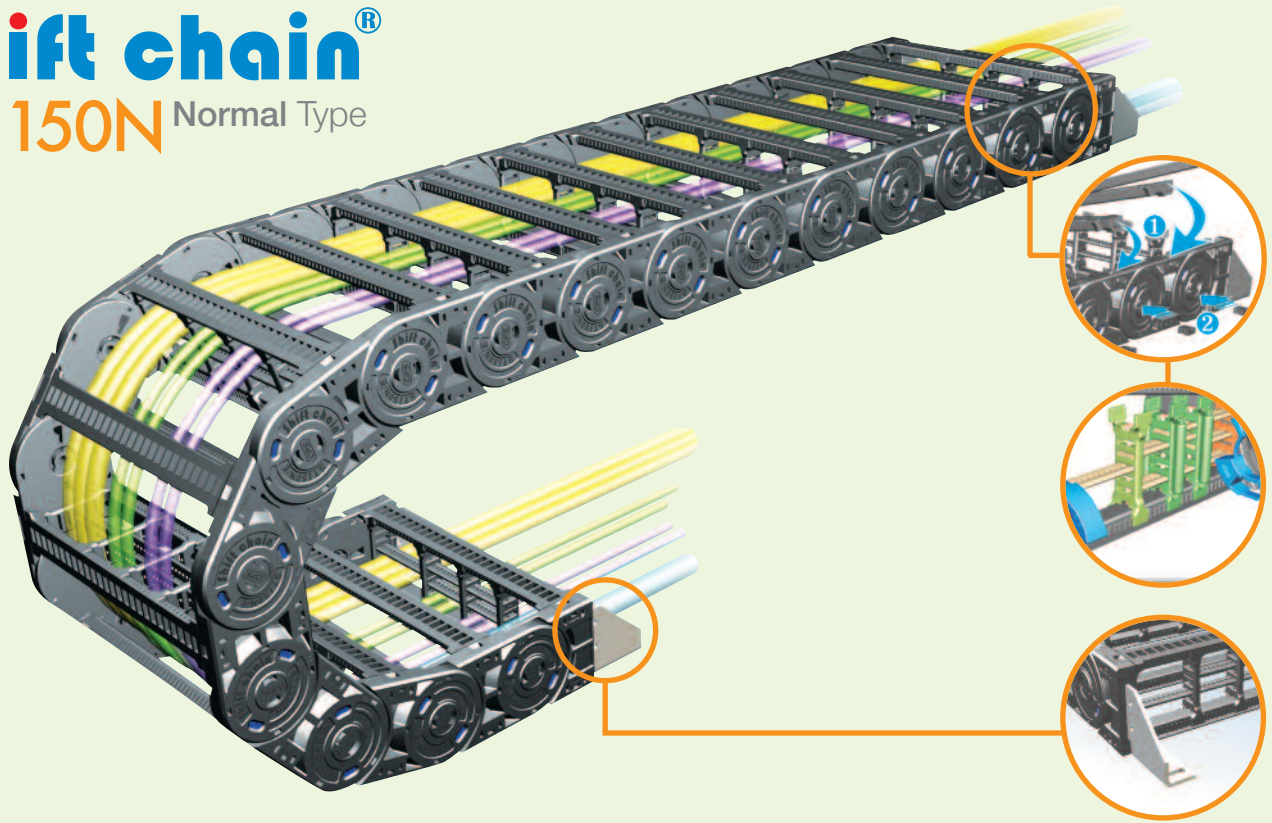




Min ●●●●●● Max

Shift chain® ST 150N Normal Type



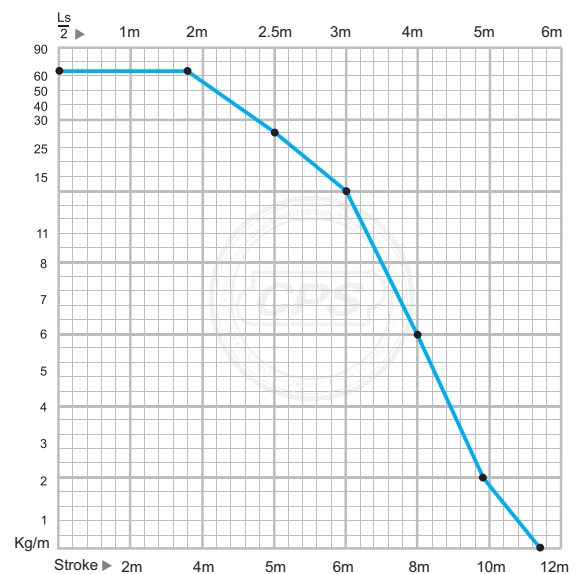
• Steel Bracket •

MATERIAL

- **Chain material:**
CPS-amide 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 7.0m
Vertical curve below= max 150m
Side Mounted, Unsupported= max 4.0m
- **Applications**
Gantry robot, Machining center, Textile machine, Welding machine, Feeder unit, Assembly Loader, Wood work machine, Fabric machine.
- **Calculation of the chain length**

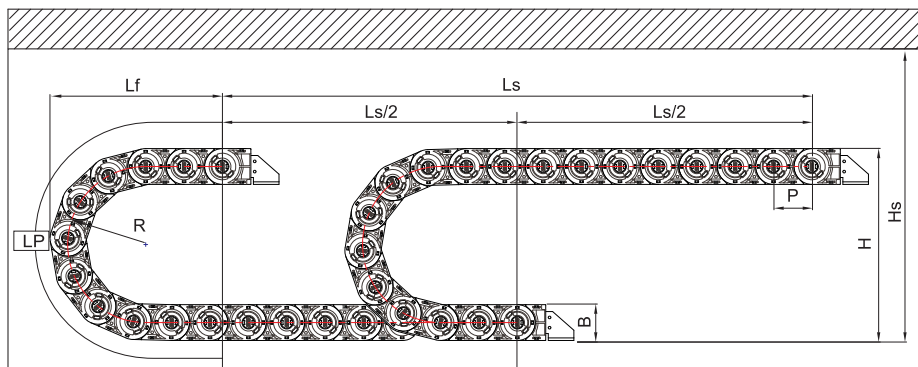
$$[L = \frac{L_s}{2} + L_p]$$

● Load diagrams self-supporting length



Normal Type **ST 150N**

LAY OUT OF THE CHAIN



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

(Dimensions in mm)

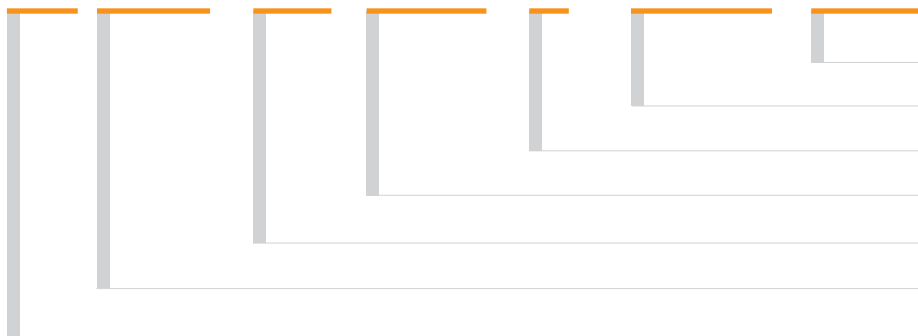
Bending radius R	205	305	405	505	605
Lp	1,215	1,510	1,807	2,106	2,405
Lf	561	651	743	835	928
H	550	750	950	1,150	1,350

ST 150N Type

- Pitch P:** 150mm
- Height B:** 140mm
- Height H:** 2R+140mm
- Hs** ≥ H+80mm

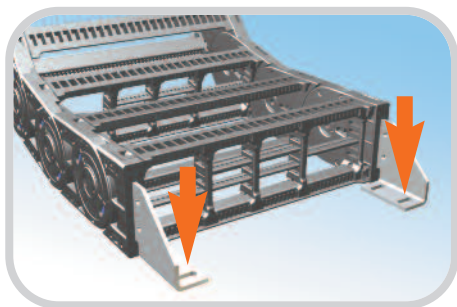
ORDERING

ST 150N. 400. R405 / B₁- 3000L :10ST



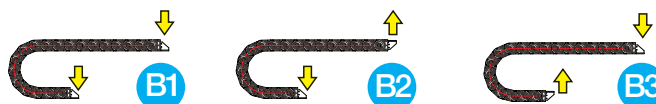
- Q'ty(set)
- Length(mm)
- End Bracket (B₁, B₂, B₃)
- Bending Radius
- Inside Width
- Normal Type
- Shift Chain

BRACKET TYPE



SEB (Steel End Bracket)

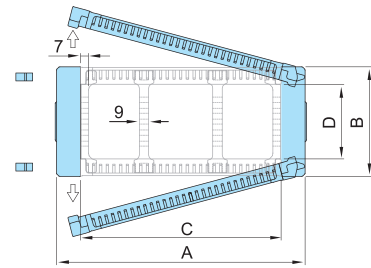
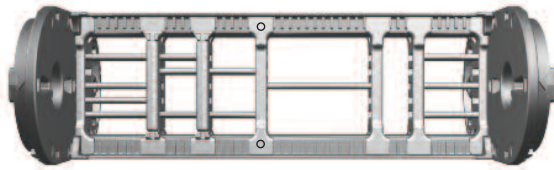
For ST150N, its end parts of cable chain being fixed are used with steel bracket, and it is possible to be installed B₁, B₂, B₃ types of brackets.





Normal Type **ST 150N**

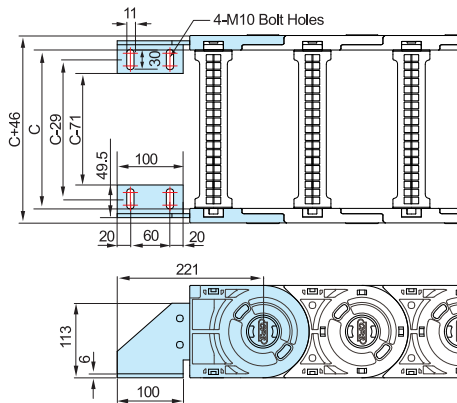
CHAIN CROSS SECTION



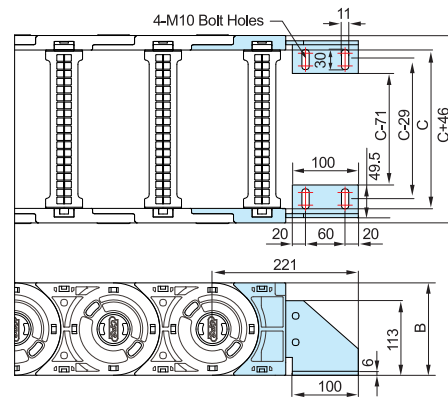
Chain Type	A	B	C	D	Bending Radius(R)	Weight in kg/m
ST 150N.075	121	140	75	110	205, 305, 405, 505, 605	5.85
ST 150N.100	146		100			5.96
ST 150N.125	171		125			6.08
ST 150N.150	196		150			6.18
ST 150N.175	221		175			6.30
ST 150N.200	246		200			6.51
ST 150N.250	296		250			6.78
ST 150N.300	346		300			7.14
ST 150N.350	396		350			7.51
ST 150N.400	446		400			7.88
ST 150N.450	496		450			8.18
ST 150N.500	546		500			8.37
ST 150N.550	596		550			9.11
ST 150N.600	646		600			9.26

▲ Application of special frame. (C:115,240,290)

END BRACKET (STEEL TYPE)



▲ Moving point



▲ Fixing point

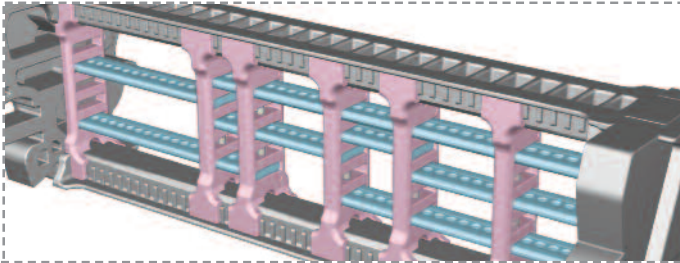
Chain Type	B	C	D	Hole Type
ST 150N.075	140	75	110	M10 Bolt Holes
ST 150N.100		100		
ST 150N.125		125		
ST 150N.150		150		
ST 150N.175		175		
ST 150N.200		200		
ST 150N.250		250		
ST 150N.300		300		
ST 150N.350		350		
ST 150N.400		400		
ST 150N.450		450		
ST 150N.500		500		
ST 150N.550		550		
ST 150N.600		600		

▲ Application of special frame. (C:115,240,290)



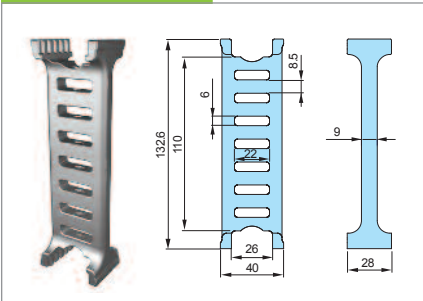
Normal Type **ST 150N**

DIVIDERS



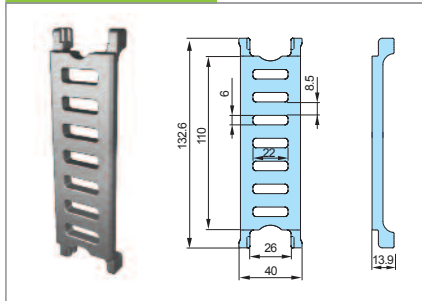
Dividers (Vertical) and Separators (Horizontal) divide the inner chamber of the cable chain to give each cable diameter its own center and keep the cables separated from each other. The use of separator in some cases, can also reduce the width requirements as two or more levels can be made within the 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.

ST150N DV-M

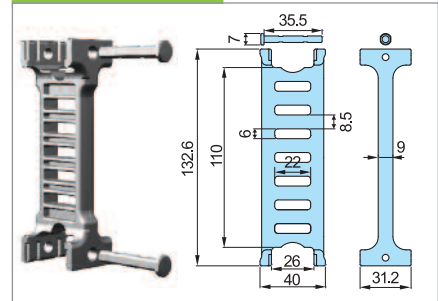


▶ Assemble divider every Two links.

ST150N DV-S

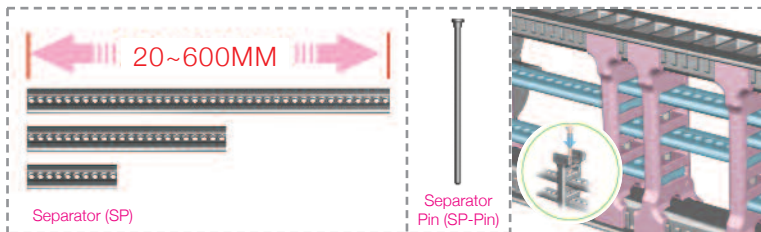


ST150N DV-T



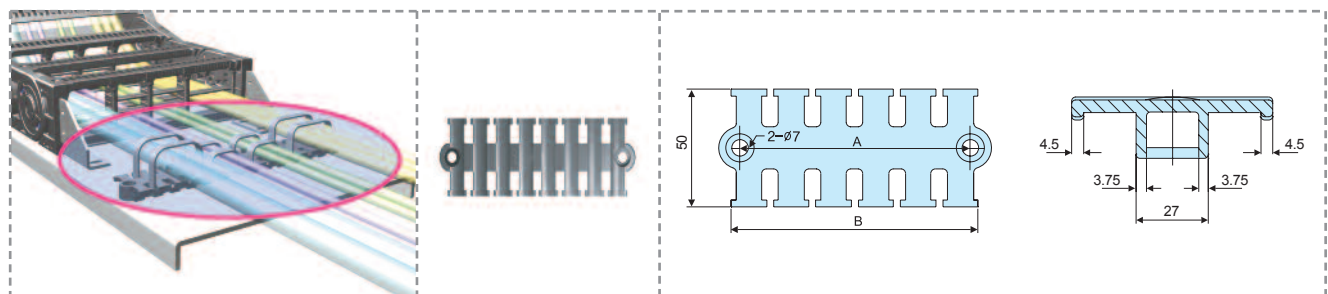
▶ DV/T : Frame 300~600

SEPARATORS (SP)



Separator is available in length from 20mm to 600mm 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.

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.

(Dimensions in mm)

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