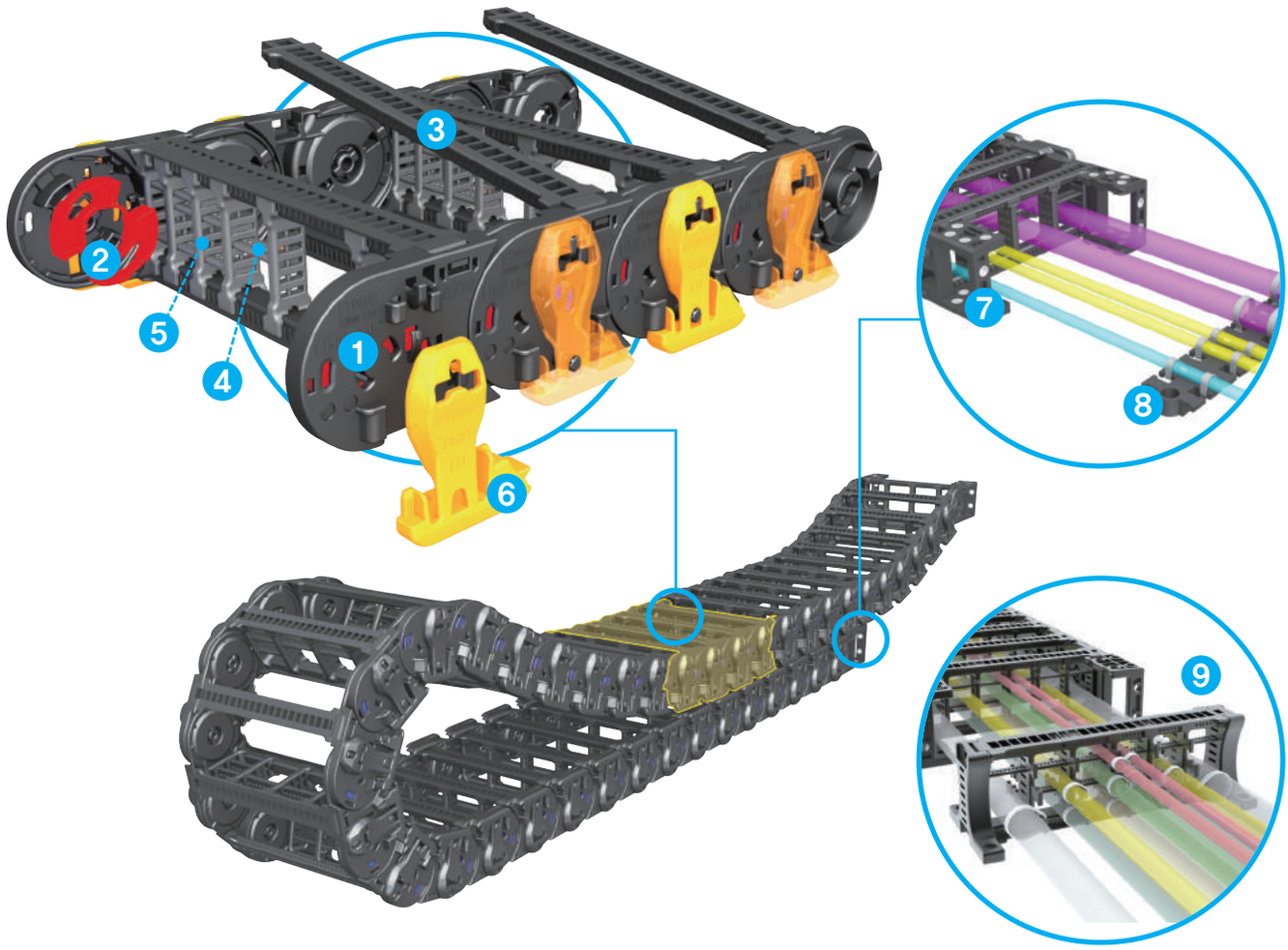
Shift Chain - Skid type

>> Part of Shift Chain Skid type



❶ Side Band (SB)
A unit that connects each side band and between them BR is inserted to strengthen clamping force.

❷ Bending Radius Unit (BR)
A unit that inserted between each side band.
There are 6 supporting points to create durability.

❺ Frame (Hinged Type) (FR)
Hinged-type frame, open one side, supports connection of both side of side band and have tongue and groove system plate to secure the position of the divider on the frame.

❹ Separator (SP)
A unit that divides inserted cables vertically to prevent twisting and breaking problem.

❺ Divider (DV-S, M, R, T)
A unit that divides inserted cables horizontally.

❻ Skid
A unit that minimizes friction between upper and lower cable chain.

❼ Free End Bracket (FEB)
A unit that connects at last side band (left&right).
It can be fixed stronger using steel washers.

❽ Tie Wrap (TW)
A unit that ties cables to maintain straightness of them.
It can be assembled to bracket directly or installed separately from bracket.

❾ System Tie Wrap (STW)
System-Tie Wrap has to be assembled on fixing and moving point of bracket and can be assembled wthout any tie wrap plate. This tie wrap is used to stay the cables on several floors prevent the cables from being twisted and it can also be assemble without any tools or bolt. This tie wrap has two types, one is to assemble inside bracket the other one is outside.

≫ Assembly procedure of Shift Chain Skid type

Assembly procedure of Shift chain S-type is as follows. The assembling process of shift Chain S-type is like below and you must use rubber hammer with careful combination of Divider and Separator. (Disassembly process for repair and replacement are in reverse order)

1

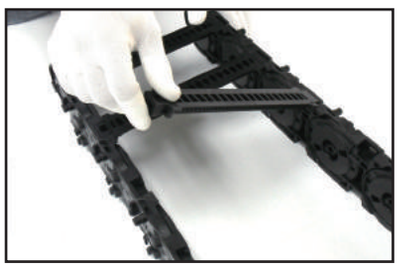
Insert BR Unit into each Side Band.
(Side Band is divided into right and left side according to the direction.)

2

Continue to insert BR Unit into Side Band as you want to make it. Assemble Side Band which is inserted BR Unit as above.

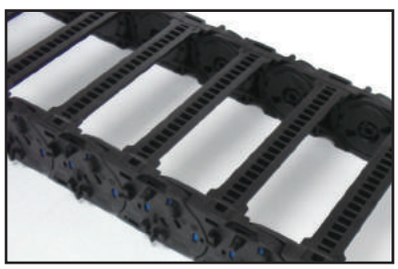
3

Continue to connect each Side Band as long as you want to make it.
Connect the Side Band as many as you need.



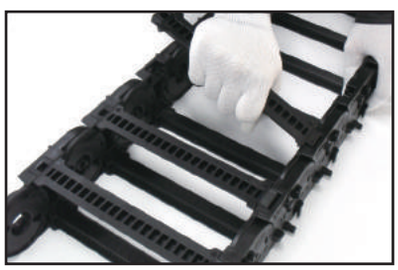
4

Connect right and left link with specified frame.
(Put Hinge Type frame in the hole of Side Band)



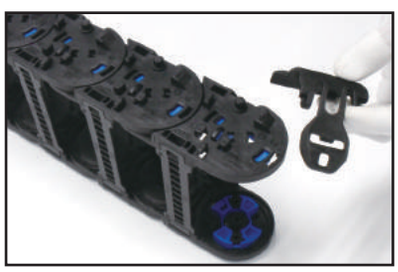
5

Insert frame pin onto connected each Frame and side of Side Band to be made tightly. (To devide inner room, insert divider which is connected with separator.



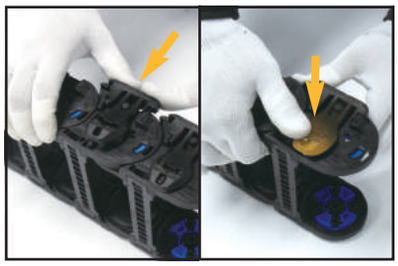
6

Assemble opposite frame as same procedure.



7

Insert Skid to the protruding side of Side Band.

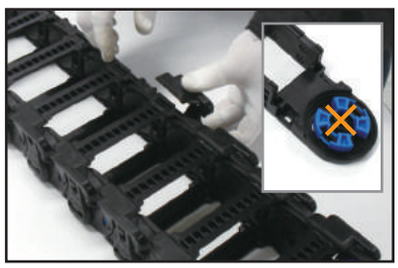


8

When inserting a Skid, push tightly to the home of Side Band until you hear "click"(Skid is divided each direction like right and left.)

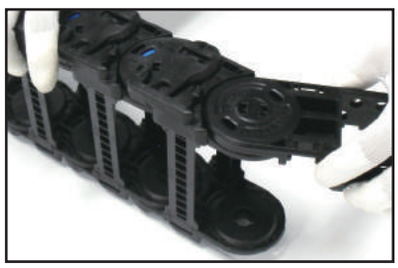
9

Assembly the Skid on the entire connected Side Band as same way.



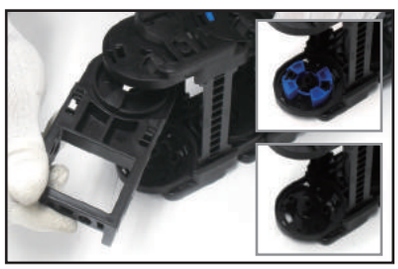
10

Assembly the Skid on the entire connected opposit side as well. Do not insert a BR Unit to M.FEB. (M.FEB will be making a turn to up and down)



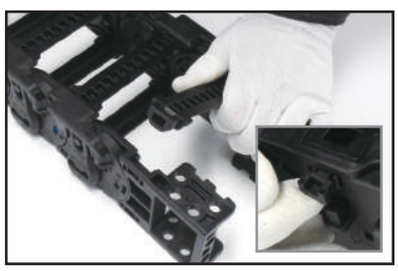
11

Assembly M.FEB to be corrective each direction such as right
and left.



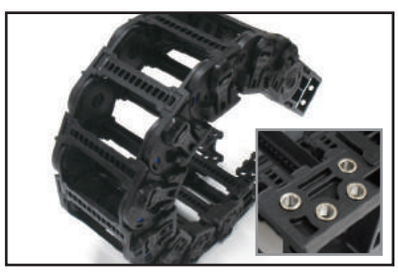
12

Assembly F.FEB to be suitable each direction such as right and left.
(Do not insert a BR Unit for the Side Band which is connected with F.FEB)



13

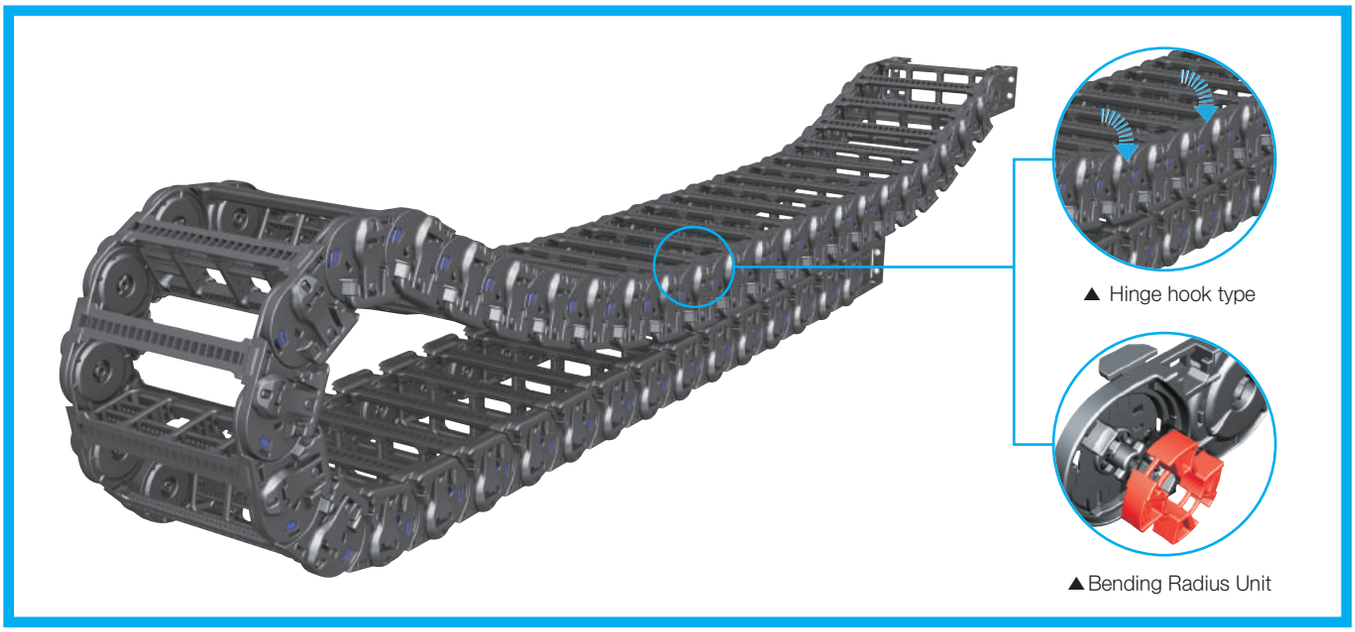
Assembly a specified frame in M.FEB and F.FEB. (Hinge is inserted into RH direction of FEB)
Insert Frame pin into connected frame and side of FEB.



14

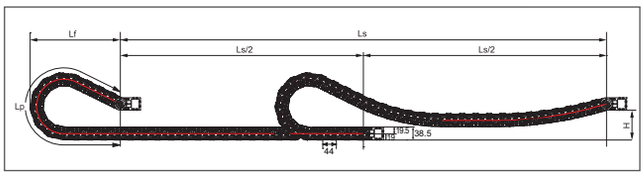
Insert steel washers into FEB according to fixing direction.

ST 044S



Layout of the chain

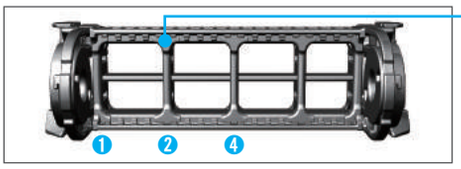
Ls: Stroke

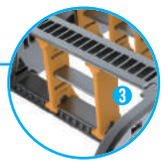


Bending Radius (R)	Lp Loop Length	Lf Loof Projection	H Moving Height
70	544	249	110
90	662	289	
120	926	393	
150	1,190	497	

(Dimensions in mm)

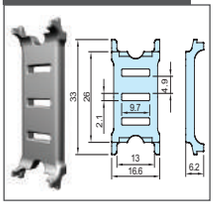
Dividers(DV)



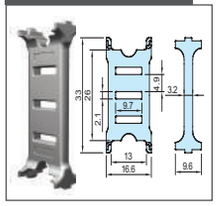


Assemble divider every second frame.
DV.T : Applied to Frame 125~200.
DV.M : Normal Divider.
DV.W : Applicable to System Tie Wrap or FEB.

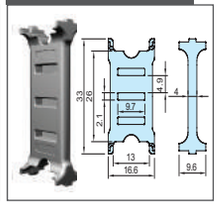
❶ sb-DV028/S



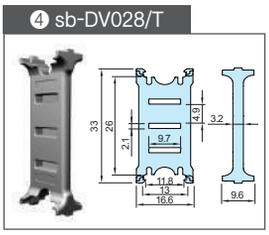
❷ sb-DV028/M1



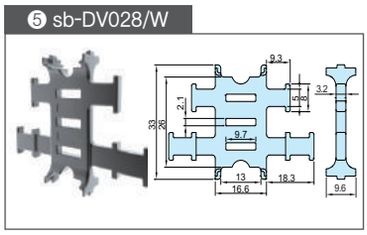
❸ sb-DV028/M2



❹ sb-DV028/T

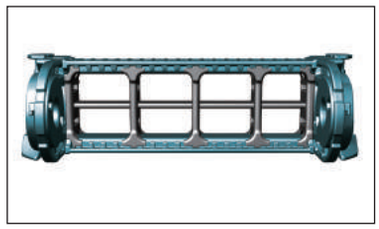


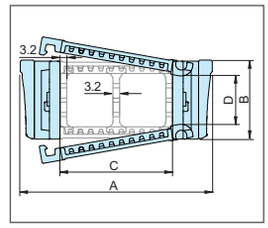
❺ sb-DV028/W



(Dimensions in mm)

Chain cross section

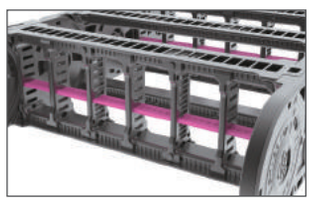


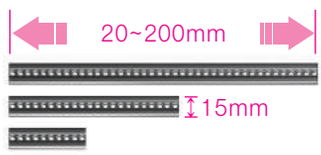


Chain Type	A Width(Outer)	B Height(Outer)	C Frame	D Height(Inner)	Weight kg/m
ST 044S	74	38.5	35	26	1.03
	89		50		1.08
	94		55		1.10
	114		75		1.17
	139		100		1.26
	164		125		1.40
	189		150		1.52
	214		175		1.81
	239		200		1.98

(Dimensions in mm)

Separators(SP)



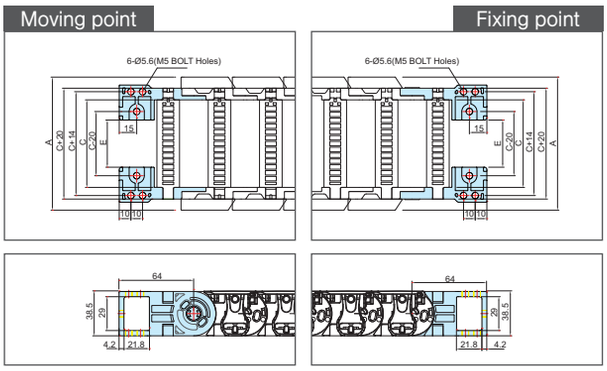


Chain Type	Ordering NO.	Frame
ST 044S	S-SP/M.35	35
	S-SP/M.50	50
	S-SP/M.55	55
	S-SP/M.75	75
	S-SP/M.100	100
	S-SP/M.125	125
	S-SP/M.150	150
	S-SP/M.175	175
	S-SP/M.200	200

(Dimensions in mm)

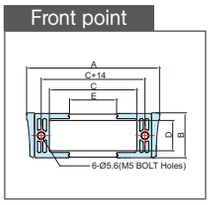
Free end bracket

Moving point



Fixing point

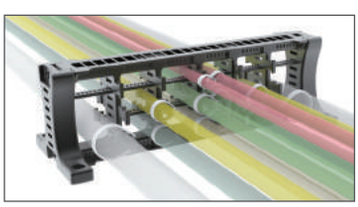
Front point



Chain Type	A Width(Outer)	B Height(Outer)	C Frame	D Height(Inner)	E M.EB Bolt hole width	Hole Type
ST 044S	74 89 94 114 139 164 189 214 239	38.5	35 50 55 75 100 125 150 175 200	26	0.4 15.4 20.4 40.4 65.4 90.4 115.4 140.4 165.4	M5 Bolt Holes

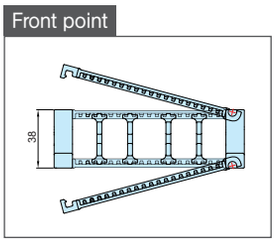
(Dimensions in mm)

System tie wrap (STW)

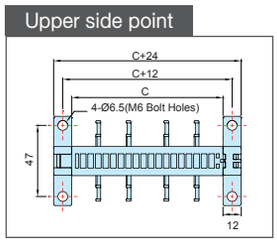


It is a unit to classify each cable for preventing entanglement of cables. It can either be installed to free end bracket or installed separately according its application environment.

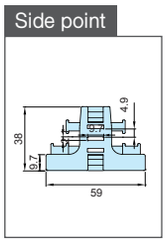
Front point



Upper side point



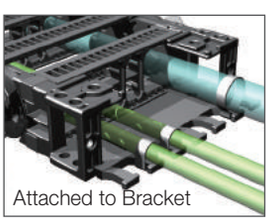
Side point

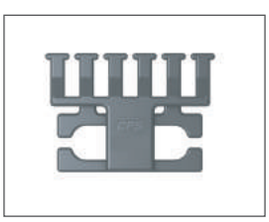


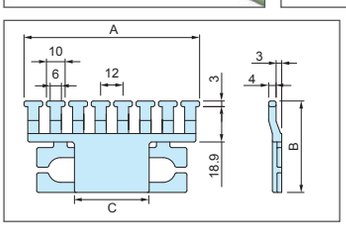
Chain Type	Ordering No.	C Frame	Hole Type
ST 044S	S-TW.EB028.35 S-TW.EB028.50 S-TW.EB028.55 S-TW.EB028.75 S-TW.EB028.100 S-TW.EB028.125 S-TW.EB028.150 S-TW.EB028.175 S-TW.EB028.200	35 50 55 75 100 125 150 175 200	M6 Bolt Holes

(Dimensions in mm)

Tie wrap (TW)





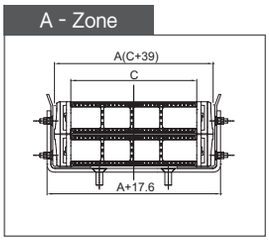


Chain Type	Ordering No.	A	B	C
ST 044S	S-TW036/025CR.35	46	35.4	-
	S-TW036/025CR.50	69	48.9	15
	S-TW036/025CR.55	70	48.9	20
	S-TW036/025CR.75	94	48.9	40
	S-TW036/025CR.100	118	48.9	65
	S-TW036/025CR.125	142	48.9	90

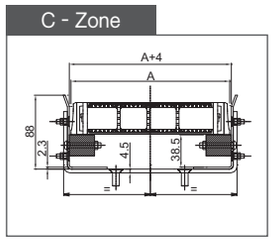
(Dimensions in mm)

Guide channel

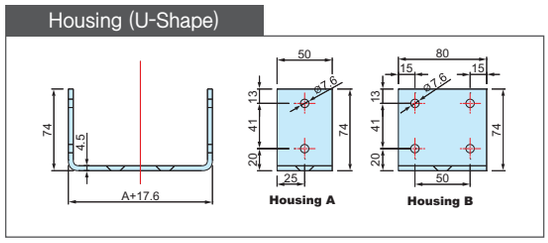
A - Zone



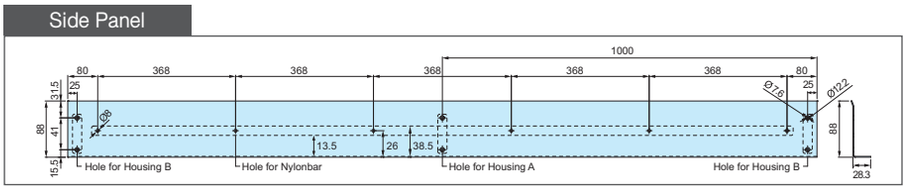
C - Zone



Housing (U-Shape)



Side Panel



(Dimensions in mm)