

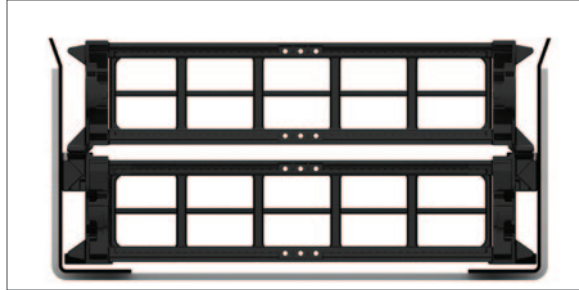


Guide Channel System

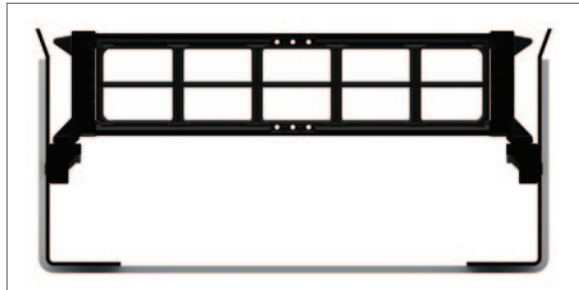
ST044S, ES, RS, ERS	284
ST072RS, ERS	285
ST095RS, ERS	286
ST120RS, ERS	287
ST150RS, ERS	288
nsb050S	289
nsb065S	290
nsb080S	291

Guide Channel System

A-zone



C-zone



General Information

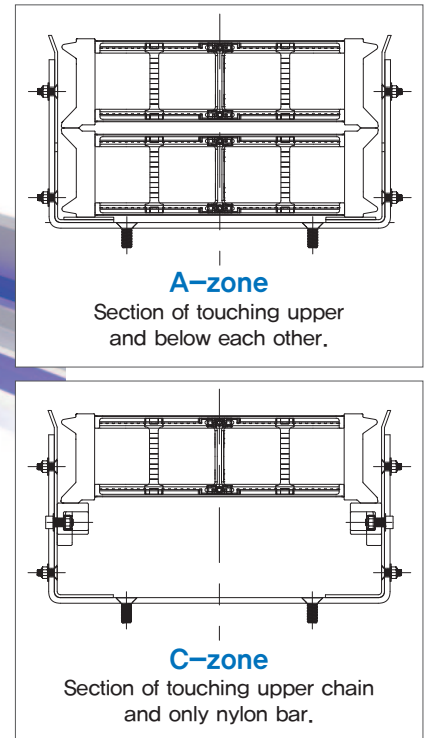
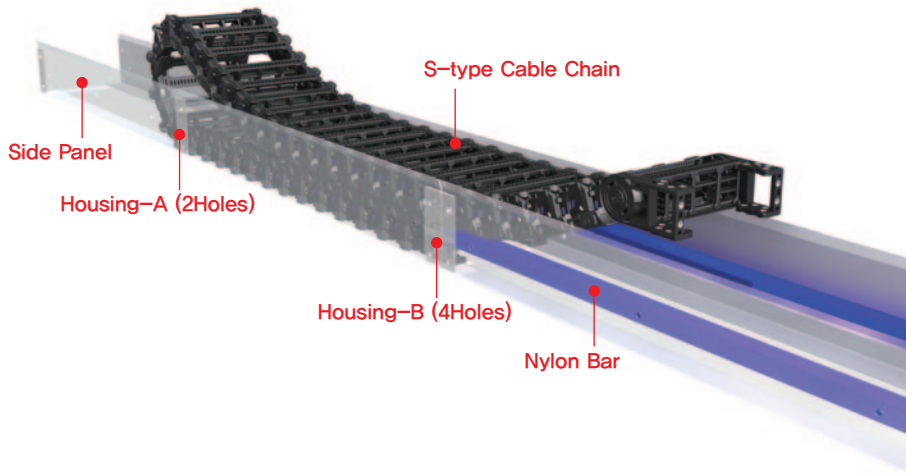
Material	Steel + Zn plating
Standard-1	Steel + Zn plating
Standard-2	Steel + Powder coating
Color	Silver, Black, Ivory

Available Product list with Guide Channel

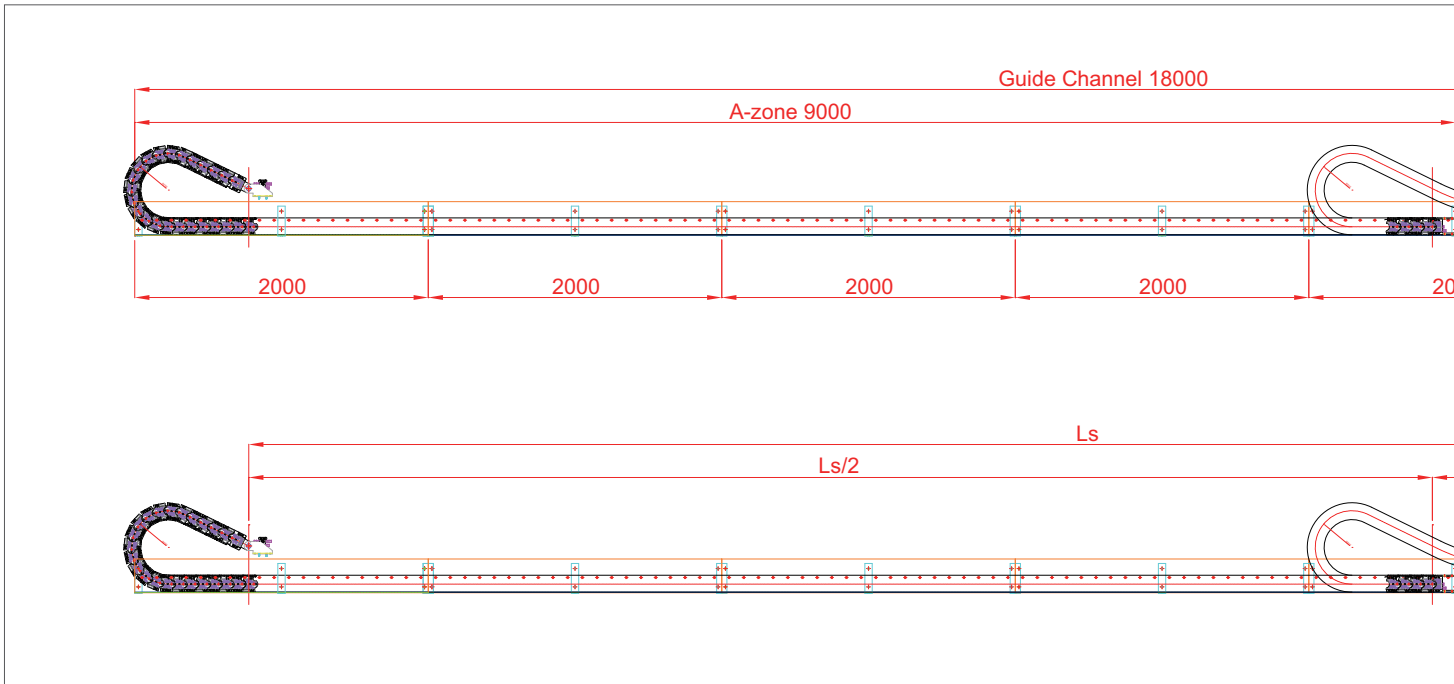
Product Model	Product type
Shift Chain	ST044S ST044ES, ST072ES, ST095ES, ST120ES ST044RS, ST072RS, ST095RS, ST120RS, ST150RS ST044ERS, ST072ERS, ST095ERS, ST120ERS
nsb Chain	nsb050S, nsb065S, nsb080S

Guide Channel System

For long stroke applications the guide channel is applied to ensure that the nsb chain S-Type stays on track safely during operation.

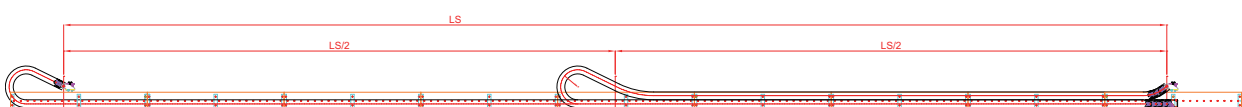


Understanding of Guide channel drawing



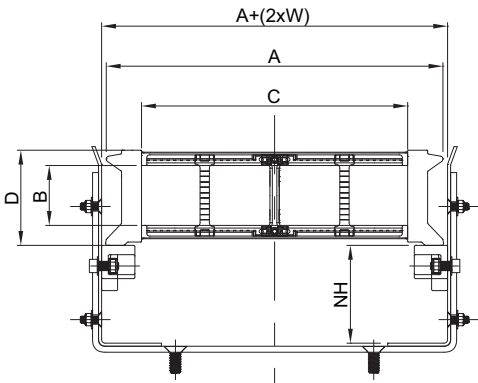
Diverse application of guide channel

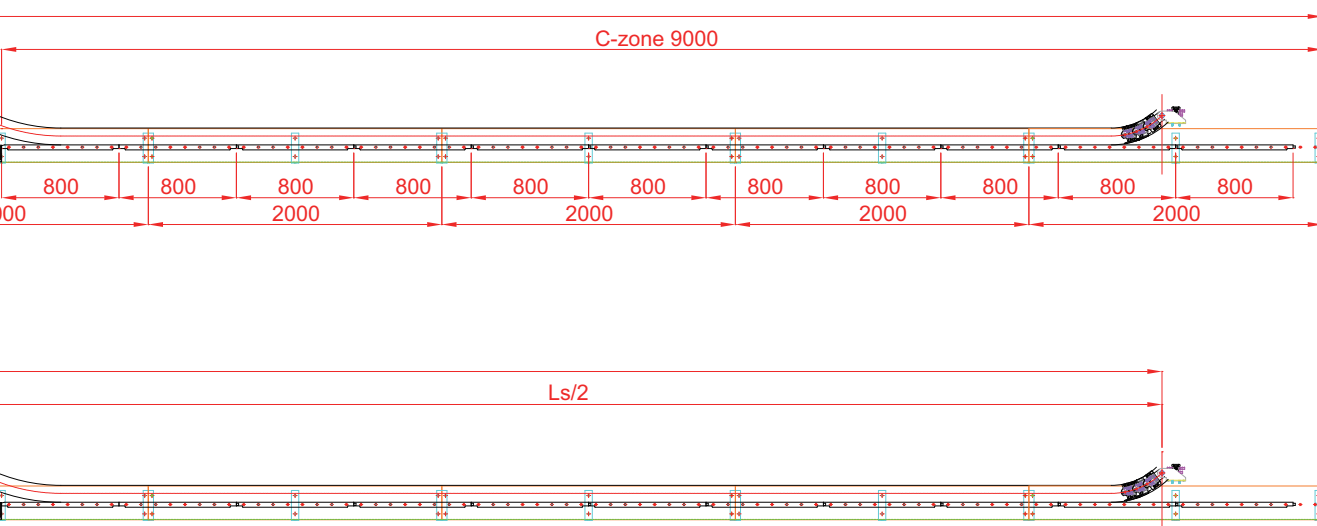
Single Chain application : Fixing bracket should be at the end of guide channel.



Guide Channel System

Understanding of Guide channel drawing

Section Drawing (C-Zone)		Contents
 The diagram shows a cross-section of the guide channel system. It features a central cable chain held by a frame. Dimension A is the outer width of the cable chain. Dimension B is the inner height of the cable chain. Dimension C is the inner width of the cable chain, which is equal to the frame size. Dimension D is the outer height of the cable chain. Dimension W is the space between the cable chain and the guide channel. Dimension NH is the height between the surface of the nylon bar and the guide channel.	A	Outer width of cable chain
	B	Inner height of cable chain
	C	Inner width of cable chain(=Frame size)
	D	Outer height of cable chain
	W	Space between cabel chain and guide channel
	NH	Height between surface of nylon bar and guide channel.

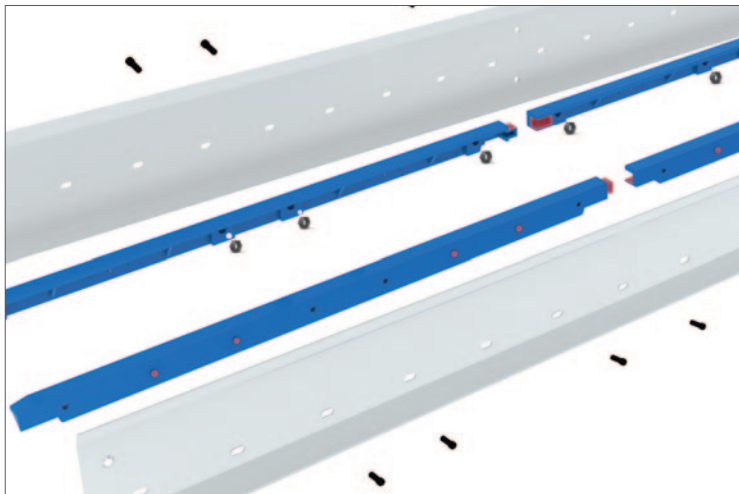
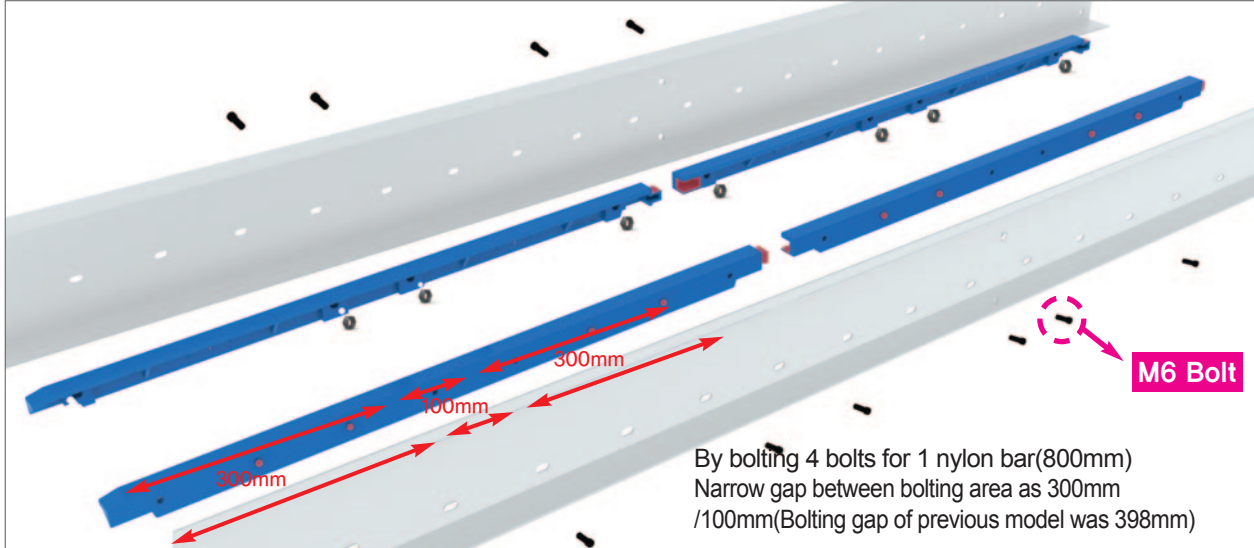


Nylon Bar

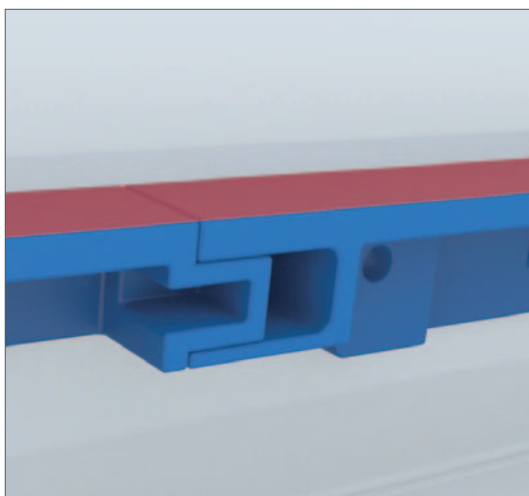
It is a supporting unit for cable chain, when cable chain comes to C-Zone, it has a role of supporting upper cable chain.

Characteristic of nylon bar

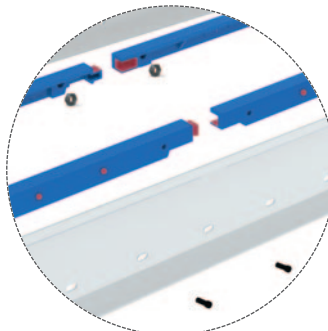
1. Secure and stable structure!



4 numbers of bump are formed at 1 number of nylon bar(Prevents sagging down risk of nylon bar)



- As each nylon bar gets connected each other, it is more stable than previous one.
- Its design has been changed for being easy to assemble.
- Moreover, as there's no interval(gap), it can make smooth sliding as well.



Guide Channel System

2. Low dust!

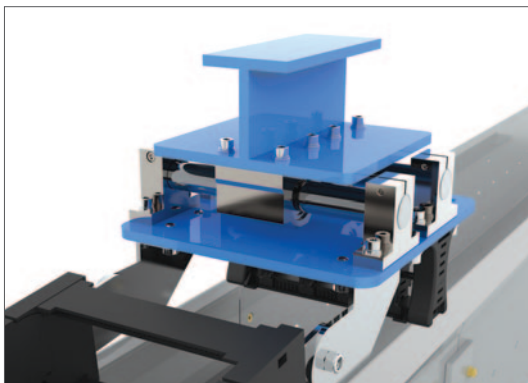
Same material with chain.

It is low dust and anti-abrasively due to its raw material which is same with chain(Polyamide6+GF30%)

By reducing narrow cross-section, abrasion part could be fixed regularly. It can make cable chain move smoothly and stably. It creates long life span compared to pervious model.



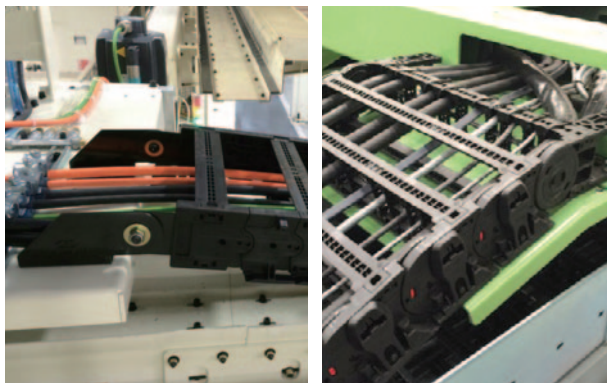
Moving Bracket (Special moving arm)



There are several types of moving brackets and moving arm.

For over 80meters crane and any kinds of strokes, special moving arm should be considered to prevent breakage during operation. When you need special moving arm design, please contact to info@cpsystem.kr

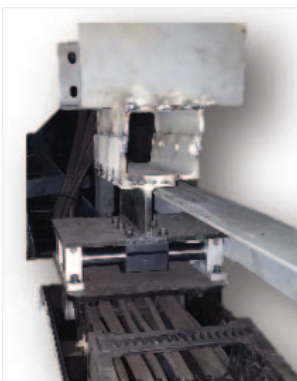
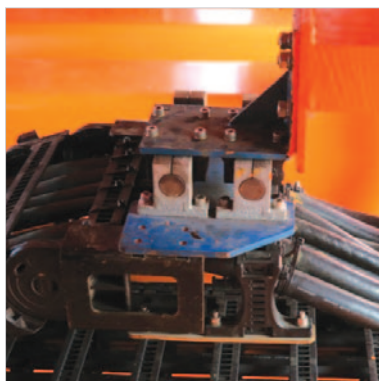
Standard Moving bracket



Standard Moving bracket with System tie wrap(STW)



Special Moving Bracket



Assembly procedure of Guide Channel

A-1 Section Position guide channel and housing at correct area.

Guide Channel (2M)

Housing (4 hole)

Housing (2 hole)

Housing (2 hole)

necessary component

Name	Spec.
Housing	2 hole
Housing	4 hole
Guide Channel	2M
Bolt	flat head M5
Nut	M5
Bolt	flat head M8

Assemble guide channel and housing with designated bolt and nut.

A-2, A-3 Section Position guide channel and housing at correct area.

Guide Channel (2M)

Housing (4 hole)

Housing (2 hole)

necessary component

Name	Spec.
Housing	2 hole
Housing	4 hole
Guide Channel	2M
Bolt	flat head M5
Nut	M5
Bolt	flat head M8

Assemble guide channel and housing with designated bolt and nut.

Guide Channel System

C-1, C-2 Section Prepare guide channel 1 set assembled same method with A-2 section.

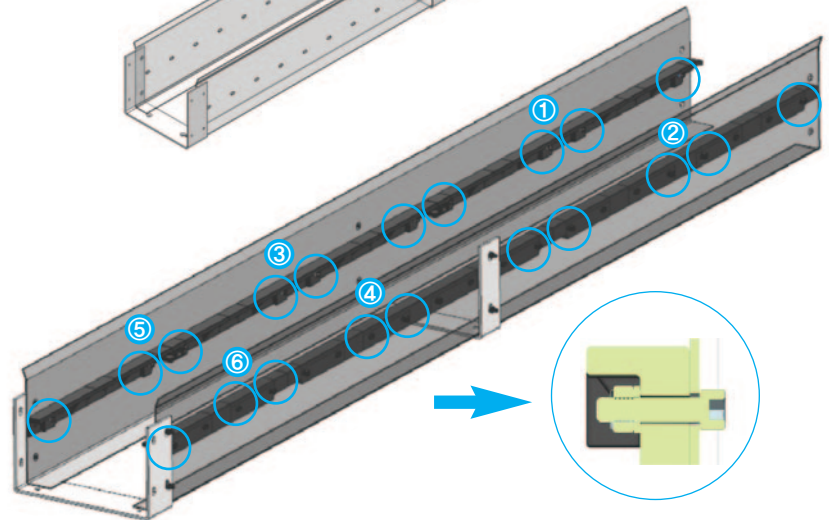


Housing (4 hole) Housing (2 hole)

necessary component

Name	Spec.
Housing	2 hole
Housing	4 hole
Guide Channel	2M
Bolt	Flat head M5
Nut	M5
Bolt	Hexagon M6
Nut	M6
Washer	Ø12.5XØ6.5X1.6T
Nylon bar	RH
Nylon bar	LH
Nylon bar	Normal type
Bolt	Flat head M8

Guide Channel (2M)



Assemble nylon bar from ① to ⑥ but do not cut the extra 400mm of nylon bar from each ⑤ and ⑥. They will be assembled with C2 section's guide channel.

C-3 Section Assemble guide channel and housing with designated bolt and nut.

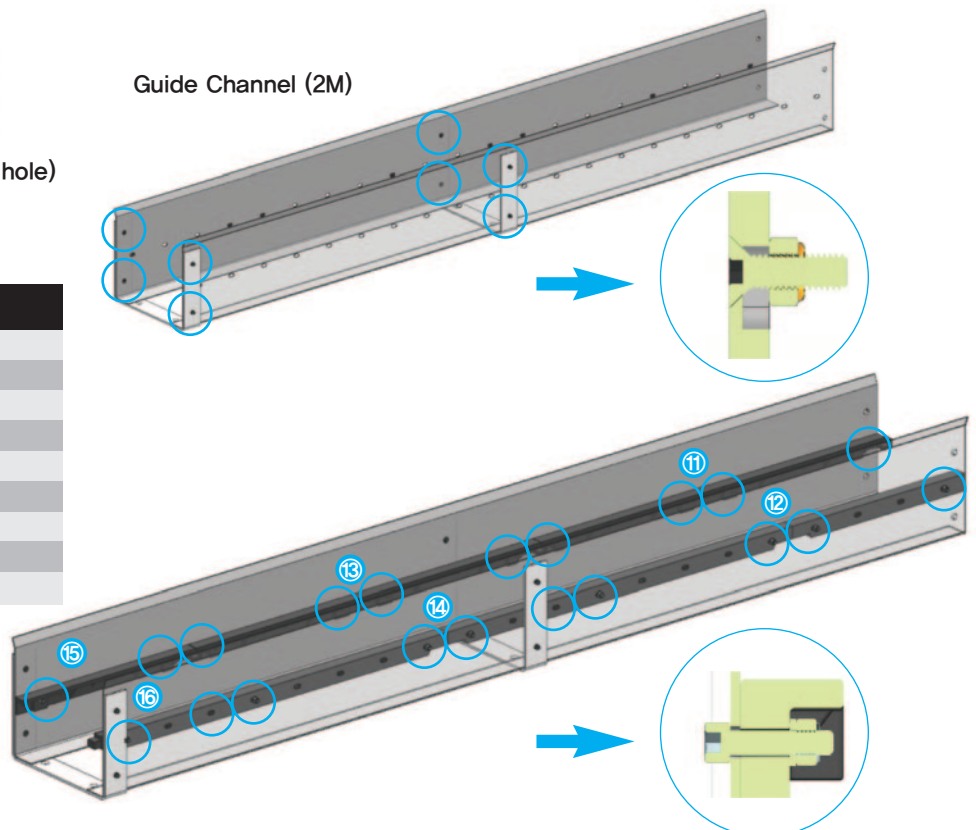


Housing (2 hole) Housing (2 hole)

necessary component

Name	Spec.
Housing	2 hole
Guide Channel	2M
Bolt	Flat head M5
Nut	M5
Bolt	Hexagon M6
Nut	M6
Washer	Ø12.5XØ6.5X1.6T
Nylon bar	Normal type
Bolt	Flat head M8

Guide Channel (2M)

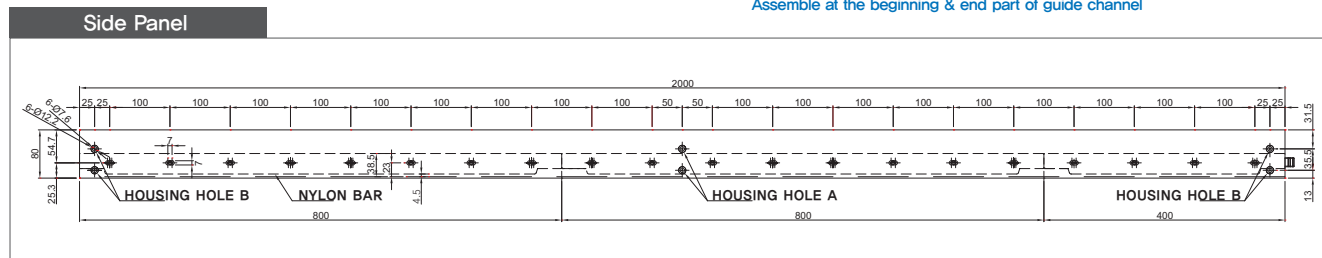
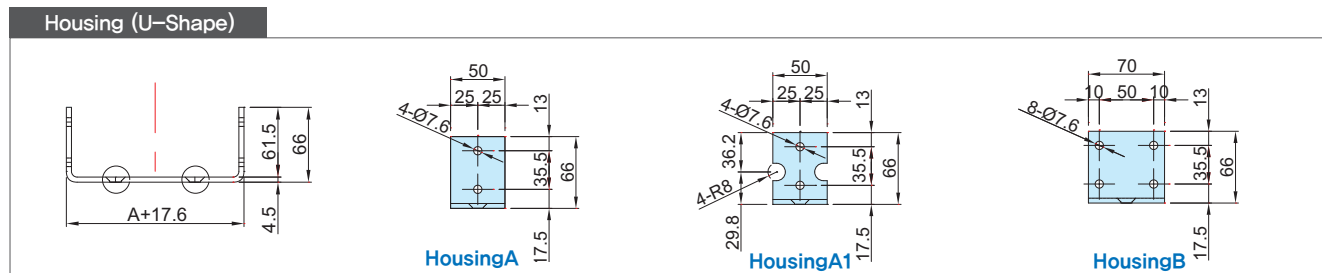
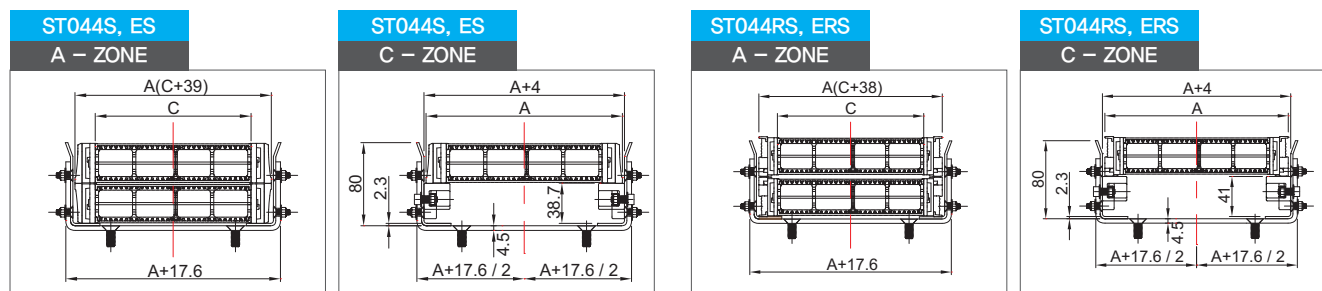


Cut the extra 400mm of nylon bar at ⑮ and ⑯.

12M Guide channel assembly sequence from A-1, A-2, A-3, C-1, C-2, and finally C-3.

ST044S, ES, RS, ERS

Guide channel



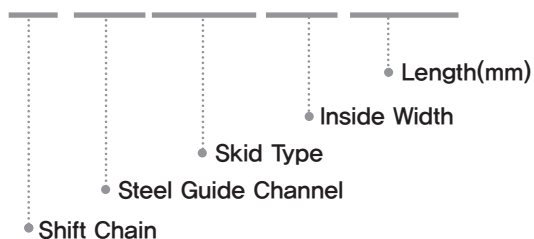
Guide Channel Dimension

ST044S		ST044ES		ST044RS		ST044ERS	
C	A	C	A	C	A	C	A
35	74	35	74	35	73	35	73
50	89	55	94	50	88	55	93
55	94	75	114	55	93	75	113
75	114	100	139	75	113	100	138
100	139			100	138		
125	164			125	163		
150	189			150	188		
175	214			175	213		
200	239			200	238		

C : Frame Width

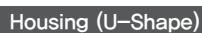
A : Outer width of cable chain

Ordering **ST-GCS 044S. 100 : 200M**



Guide channel

A – Zon



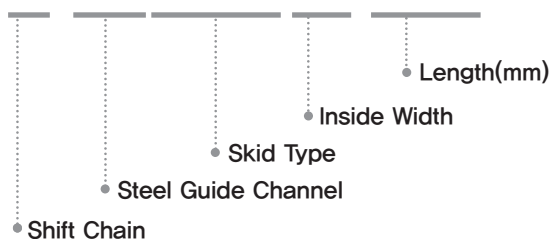
Assemble at the beginning & end part of guide channel

Side Panel



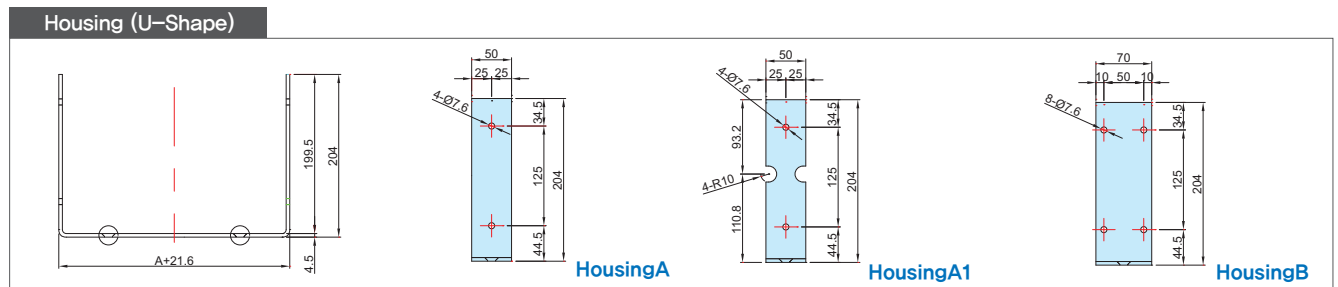
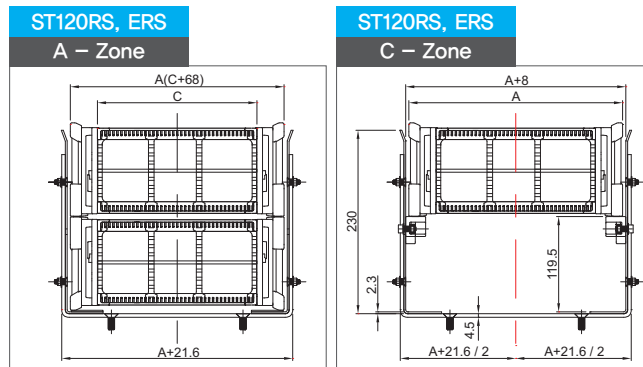
C : Frame Width
A : Outer width of cable chain

Ordering **ST-GCS 095RS, 175 : 200M**

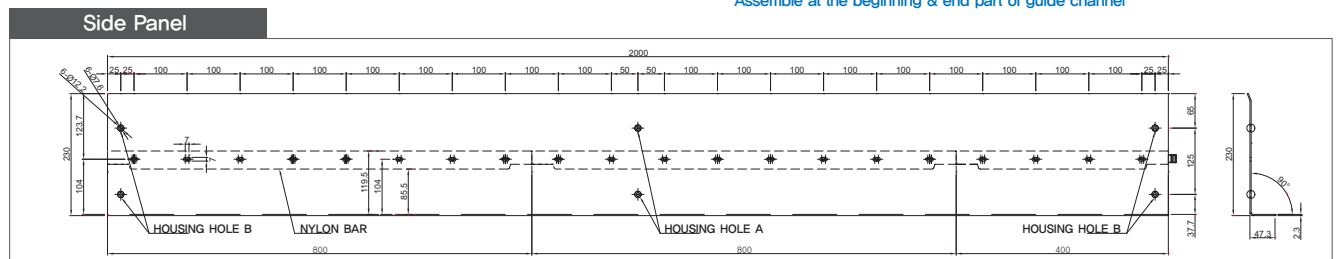


ST120RS, ERS

Guide channel



Assemble at the beginning & end part of guide channel

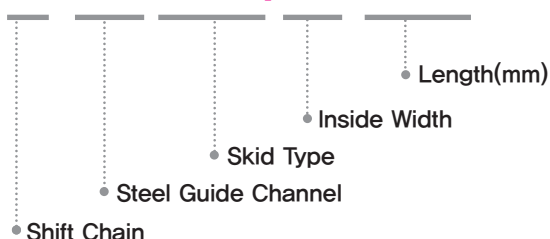


Guide Channel Dimension

ST120RS		ST120ERS	
C	A	C	A
75	143	150	218
100	168	200	268
115	183	250	318
125	193	300	368
150	218		
175	243		
200	268		
240	308		
250	318		
290	358		
300	368		
350	418		
400	468		
450	518		
500	568		
550	618		
600	668		

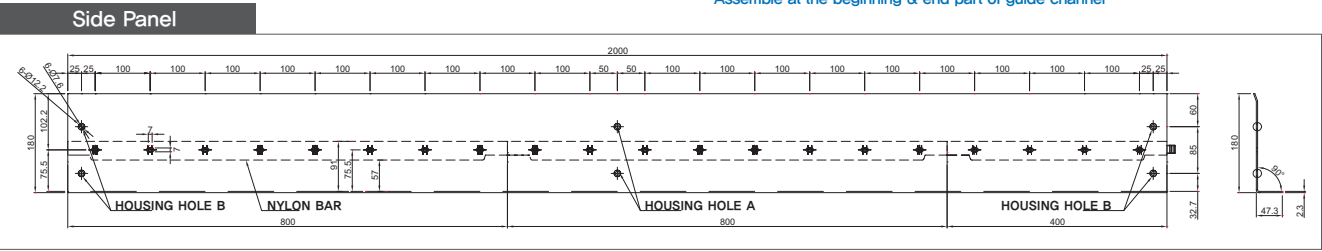
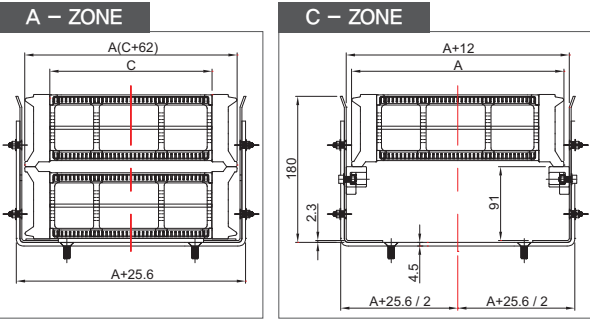
C : Frame Width
A : Outer width of cable chain

Ordering ST-GCS 120RS. 175 : 200M



nsb065S

Guide channel

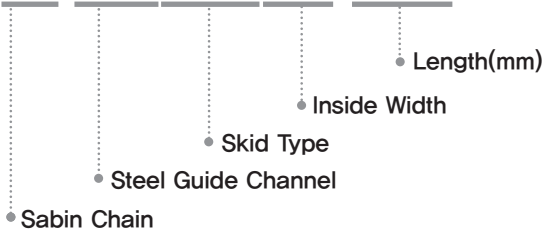


Guide Channel Dimension

nsb065S	
C	A
75	137
100	162
125	187
150	212
175	237
190	252
200	262
230	292
240	302
250	312
300	362
350	412
400	462

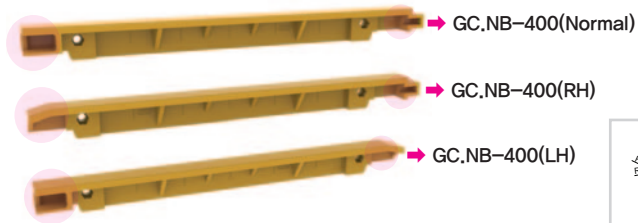
C : Frame Width
A : Outer width of cable chain

Ordering nsb-GCS 065S.100 : 200M

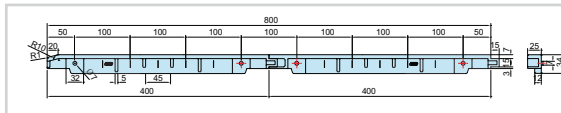


Guide Channel System

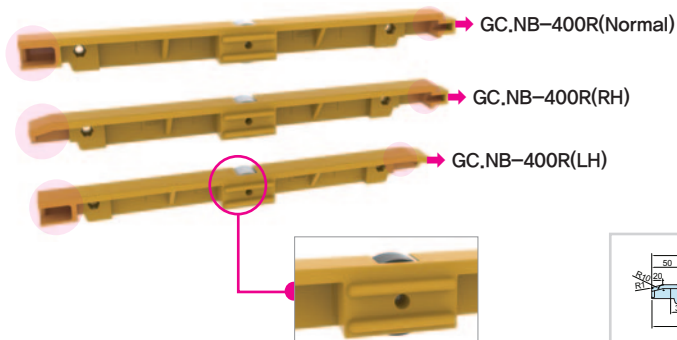
GC.NB-400



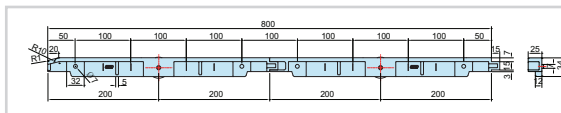
※ Bilateral symmetry for both RH, LH



GC.NB-400R(Roller Type)



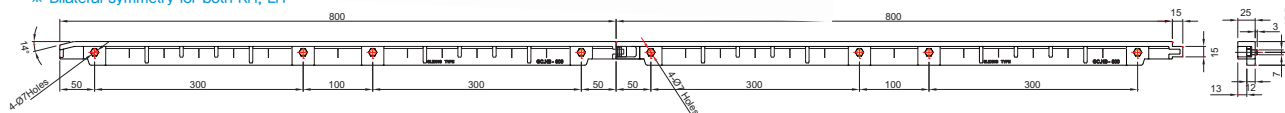
※ Bilateral symmetry for both RH, LH



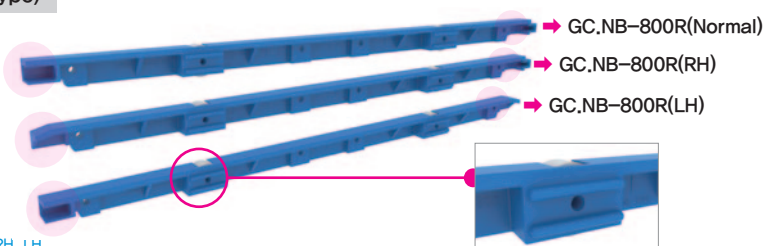
GC.NB-800



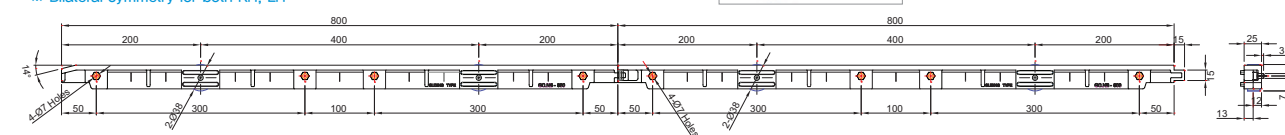
- ※ Bilateral symmetry for both RH, LH



GC.NB-800R(Roller Type)



- ※ Bilateral symmetry for both RH, LH



Ordering GC.NB- 800 R/ N : 10ST

- Q'ty(set)
● Nylon Bar Type
● Length(mm) 400, 800
● Guide Channel Nylon Bar
- N : Normal
R : Roller type (RH, LH)