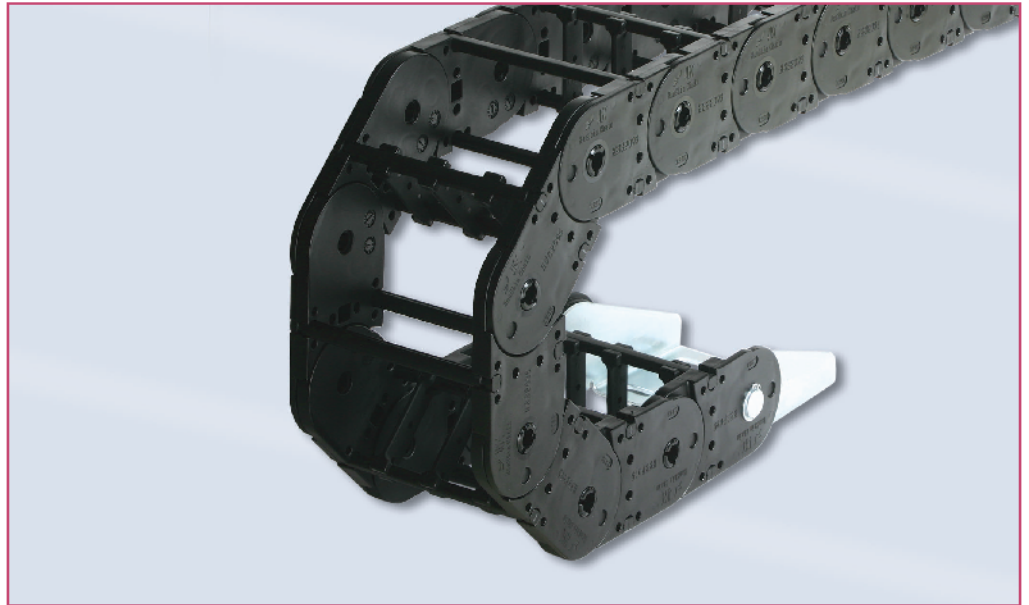


# HSSP type

HSSP 070  
 HSSP 070N  
 HSSP 095N  
 HSSP 130  
 HSSP 100

(SLIDING TYPE)

HSSP 070S  
 HSSP 070NS  
 HSSP 095NS  
 HSSP 130S  
 HSSP 100S



· 실용신안등록 제 090068호  
 · 실용신안등록 제 134987호  
 · 실용신안등록 제 142619호

## ● 용도 Application

공작기계, 운반기계, 자동차 생산설비, 산업용 플랜트, 자동용접기, 산업용로봇 등 장거리 설비에 적용

*Applicable for long stroke use such as Machining center, Conveying machine, Automobile industry, Industrial Plant Facility, Automatic Soldering Machine, Industrial Robot and so forth*

## ● 특징 Features

- HS, HSS Type을 경량화시켰으며 엔지니어링 플라스틱으로 되어 있기 때문에 가벼우며 보다 움직임이 부드럽습니다.
  - 간편 조작형으로 Cable, Hose의 분해 및 설치가 용이하고 칸막이가 자유롭게 조정됩니다.
  - 공작기계 및 장거리 설비에 적합합니다.
  - 30종의 다양한 모델이 있습니다.
  - Link Plate에 장거리 주행을 위한 Side Cover, Slider를 부착할 수 있습니다.
  - 공작기계, 운반기계, 자동차 생산설비, 산업용 플랜트, 자동용접기, 산업용로봇 등 장거리 설비에 적합합니다.
- *HSSP Type is made of engineering plastic to lighten the weight applicable for long stroke.*
  - *Easy manipulation and adjustable divider*
  - *Food for machining center and long stroke application*
  - *30 various models are manufactured.*
  - *Side cover and slider are attachable to link plate for long stroke movement.*

## ● 운용 환경 Operation

HSSP Type의 RoboChain은 고강도 엔지니어링 플라스틱으로 설계 제작되어 경량이며 소음이 적고 취급이 간편합니다.  
케이블 호스의 Supporter 부위는 플라스틱 및 알루미늄을 사용하여 중량을 최소화하여 장거리 응용분야에 적합합니다.

*HSSP Type RoboChain is made of highly durable engineering plastic. It features light weight and less noise and easy handling.*

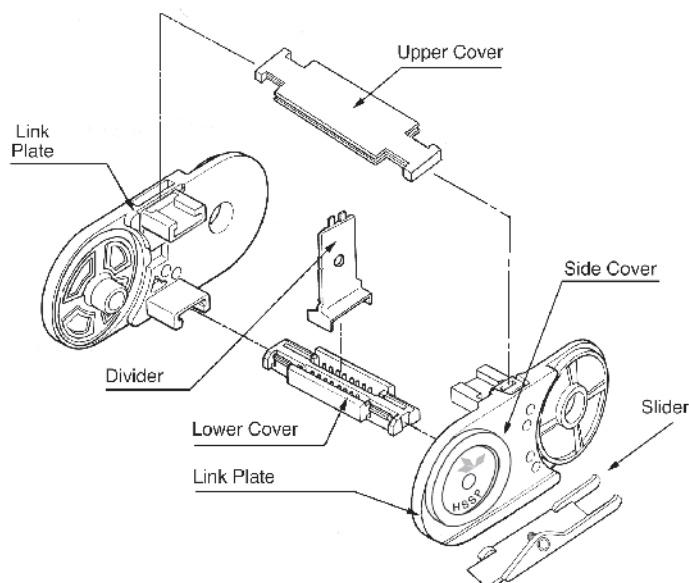
*Supporter part of cable hose is made of engineering plastic or aluminum to lighten the weight. This feature also contributes long stroke application.*

## ● 주요제원 Properties

- 운동속도: 120m/min 이하
- 케이블 호스의 직경: 63mm 이하
- 사용온도: -25 ~ 100°C
- 장력: 190(건조), 120(공기습도) N/mm<sup>2</sup>
- 인장 팽창: 4(건조), 6(공기습도) %
- 탄성계수: 10000(건조), 7000(공기습도) N/mm<sup>2</sup>
- 미끄럼 마찰: 0.4 (무윤활시)
- 기본색: Black(칼라주문가능)
- 재질: 엔지니어링 플라스틱, Aluminum

- *Moving Velocity: below 120m/min*
- *Diameter of Cable Hose: less than 63mm*
- *Operating Temperature: -25 ~ 100°C*
- *Tension: 190 (in dry), 120 (in moisture) N/mm<sup>2</sup>*
- *Stretch: 4 (in dry), 6 (in moisture) %*
- *Elasticity: 10000 (in dry), 7000 (in moisture) N/mm<sup>2</sup>*
- *Sliding Friction: 0.4 (non-greased)*
- *Basic Color: White Zinc Coating*
- *Material: Engineering Plastic, Aluminum*

## ● 구조와명칭 Structure

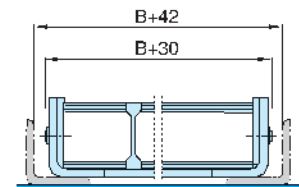
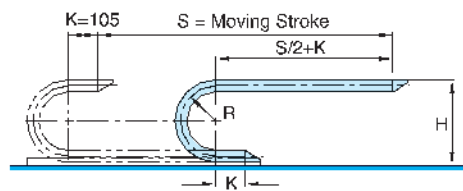
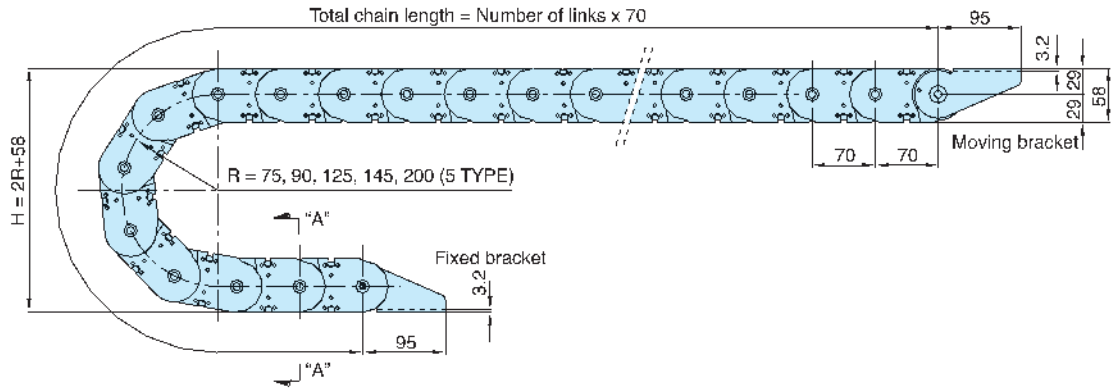


Order Example (주문예)

# HSSP 070

HSSP070    145R    B200    2940L    3SETS  
 Type    Radius    Width    Length    Q'ty

## Chain, Cross Section



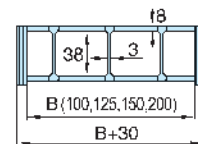
Guide Rail

• Length  $L = \frac{S}{2} + \pi R + 210$

• Radius	R	75	90	125	145	200
• Height	H	208	238	308	348	458

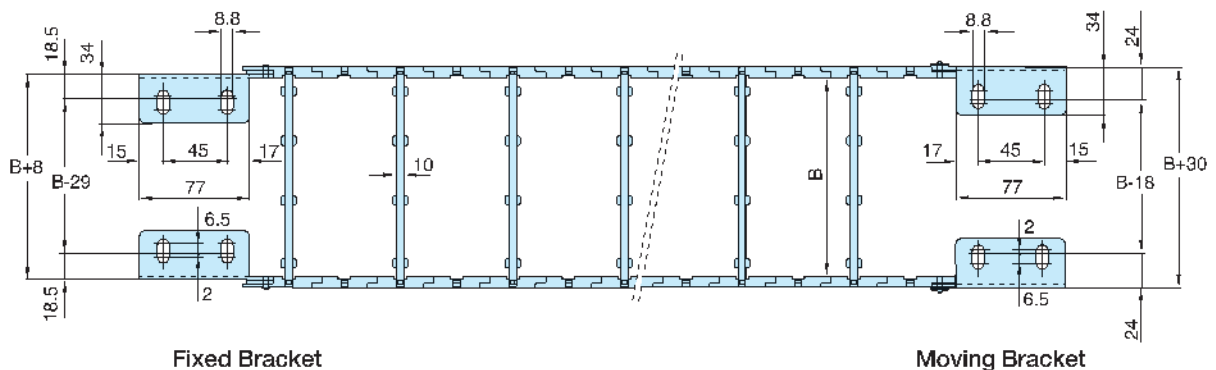
## Divider

Cable/Hose d <sub>max</sub>	ø32				
Frame Dim. "B"	100	125	150	200	250
Divider	Min. No.	0	1	2	3
	Max. No.	3	4	5	6



A-A Cross Section

## Brackets

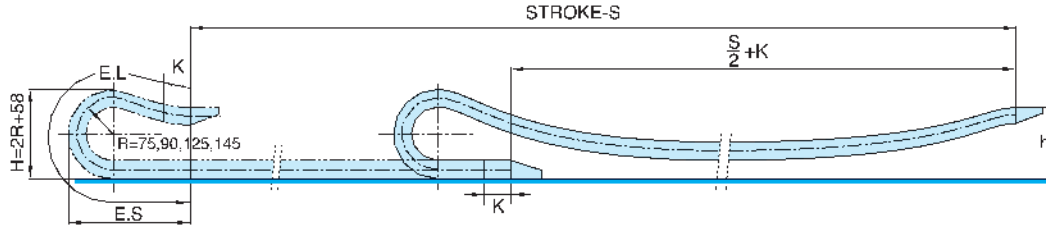


Order Example (주문예)

# HSSP 070S

HSSP070S 145R B200 15050L 2SETS  
 Type Radius Width Length Q'ty

● Chain

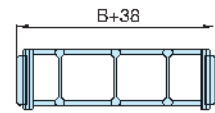


• Length

$$L = \frac{S}{2} + E.L + 210$$

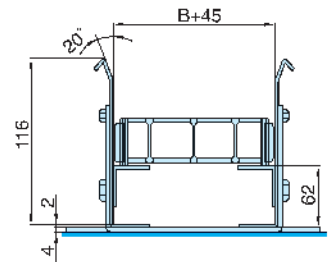
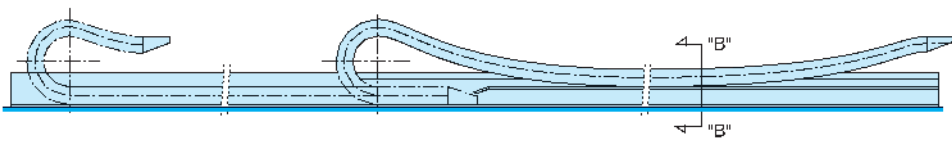
- Radius
- Height
- Moving Point Height
- Extra Length
- Extra Space

R	75	90	125	145	200
H	208	238	308	348	458
h	180	180	180	180	180
E.L	560	700	910	1050	1470
E.S	230	260	380	450	580



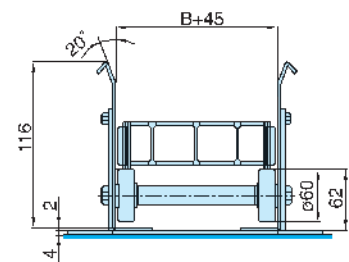
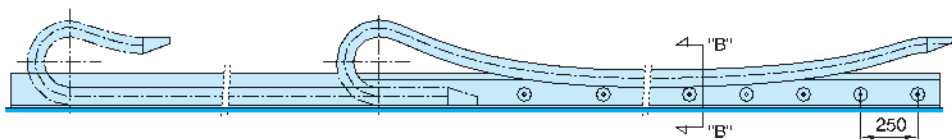
SIDE COVER 부착시

● Guide Rail



B-B Cross Section

● Guide Roller



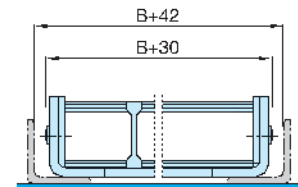
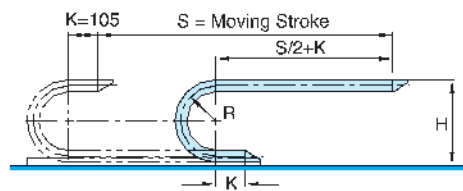
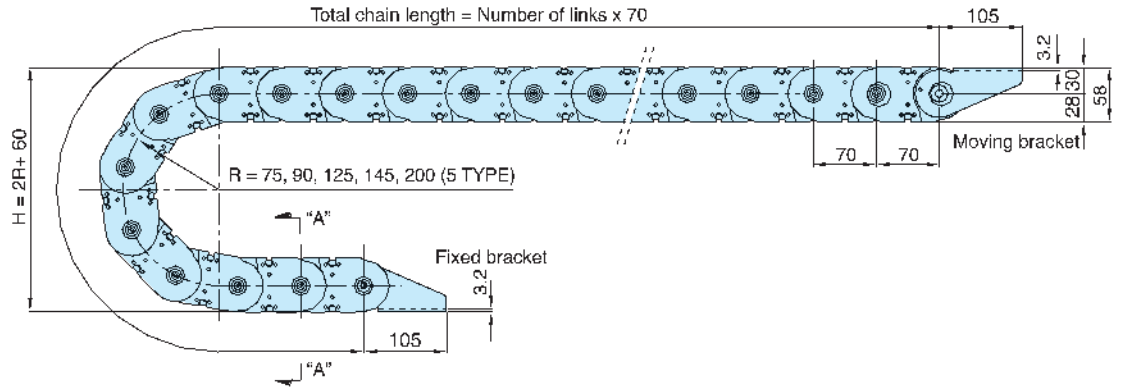
B-B Cross Section

Order Example (주문예)

# HSSP 070N

HSSP070    145R    B200    2940L    3SETS  
 Type      Radius    Width    Length    Q'ty

## Chain, Cross Section



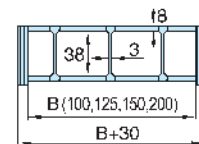
Guide Rail

• Length  $L = \frac{S}{2} + \pi R + 210$

• Radius	R	75	90	125	145	200
• Height	H	210	240	310	350	460

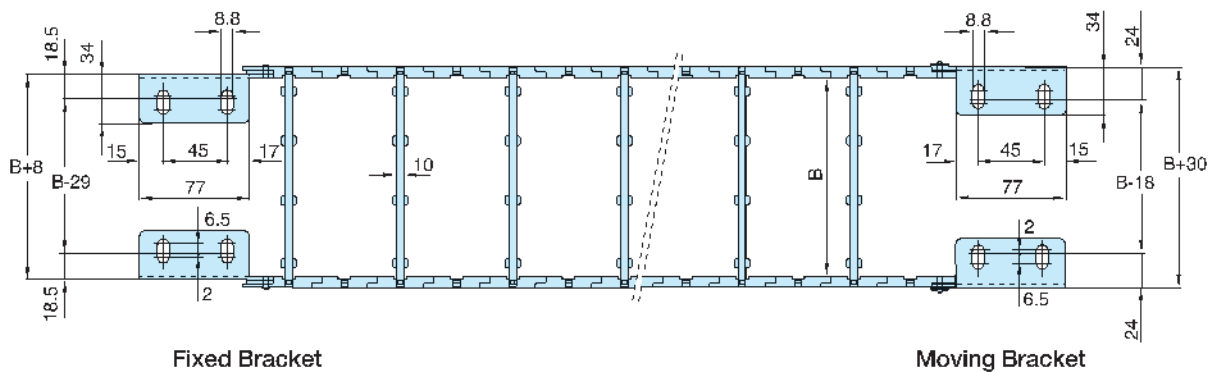
## Divider

Cable/Hose $d_{max}$	$\phi 32$				
Frame Dim. "B"	100	125	150	200	250
Divider	Min. No.	0	1	2	3
	Max. No.	3	4	5	6



A-A Cross Section

## Brackets

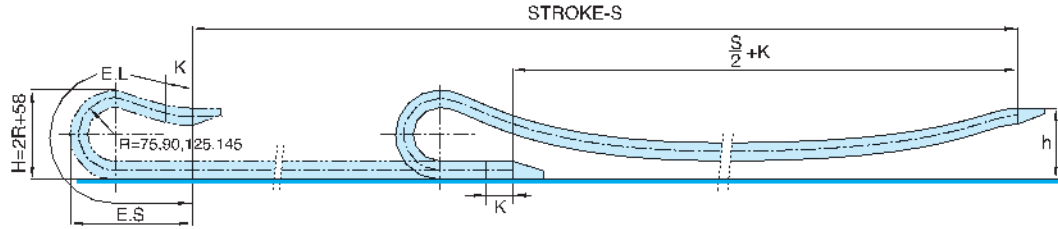


Order Example (주문예)

# HSSP 070NS

HSSP070S 145R B200 15050L 2SETS  
 Type Radius Width Length Q'ty

Chain

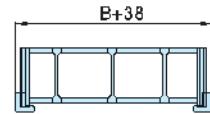


• Length

$$L = \frac{S}{2} + E.L + 210$$

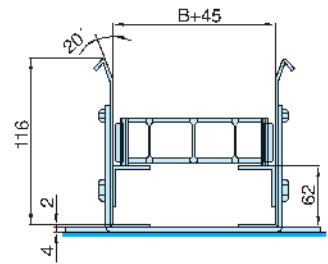
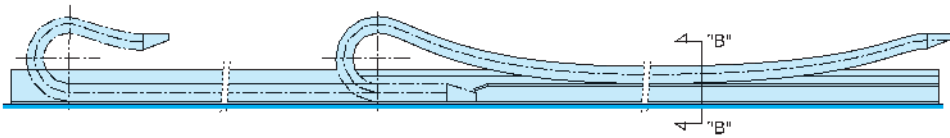
- Radius
- Height
- Moving Point Height
- Extra Length
- Extra Space

R	75	90	125	145	200
H	210	240	310	350	460
h	200	200	200	200	200
E.L	560	700	910	1050	1470
E.S	230	260	380	450	580



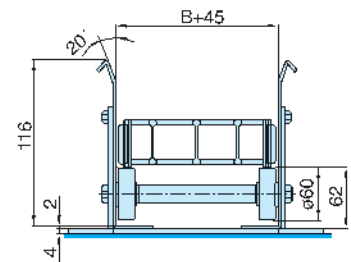
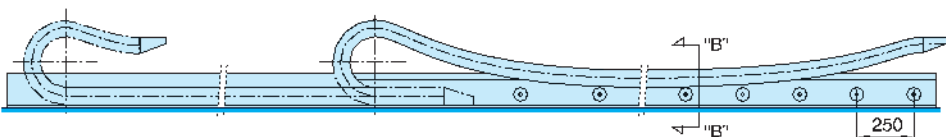
SLIDER 부착시

Guide Rail



B-B Cross Section

Guide Roller



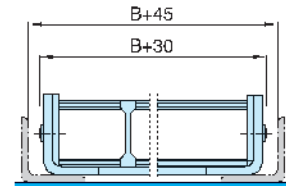
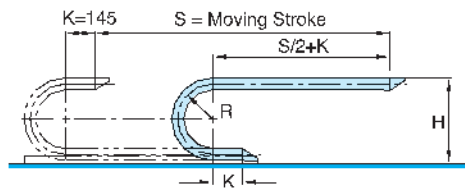
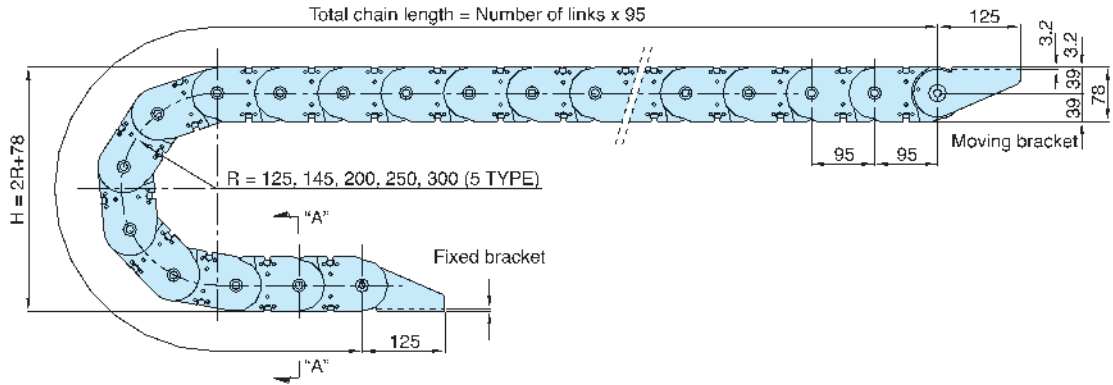
B-B Cross Section

Order Example (주문예)

# HSSP 095N

HSSP095N 300R B200 3990L 3SETS  
 Type Radius Width Length Q'ty

## Chain, Cross Section



Guide Rail

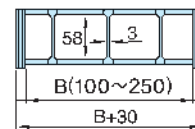
• Length  $L = \frac{S}{2} + \pi R + 290$

• Radius	R	125	145	200	250	300
• Height	H	328	368	478	578	678

## Divider

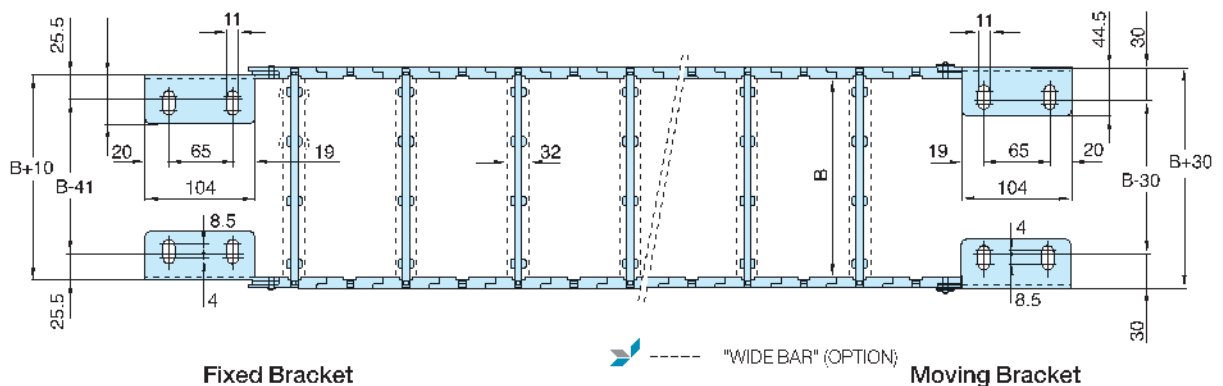
Cable/Hose $d_{max}$	ø52						
Frame Dim. "B"	100	125	150	200	250	300	
Divider	Min. No.	0	1	1	2	3	4
	Max. No.	3	4	5	6	7	8

if "B" > 300, "WIDE BAR" (OPTION)



A-A Cross Section

## Brackets



Fixed Bracket

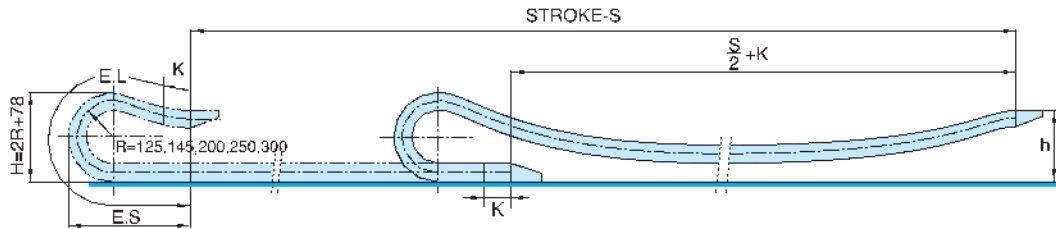
Moving Bracket

Order Example (주문예)

# HSSP 095NS

HSSP095NS 300R B200 19950L 2SETS  
 Type Radius Width Length Q'ty

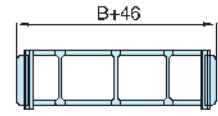
## Chain



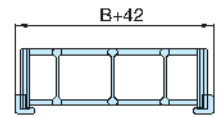
- Length
- Radius
- Height
- Moving Point Height
- Extra Length
- Extra Space

$$L = \frac{S}{2} + E.L + 290$$

R	125	145	200	250	300
H	328	368	478	578	678
h	250	250	250	250	250
E.L	950	1140	1520	1900	2185
E.S	340	430	600	750	860

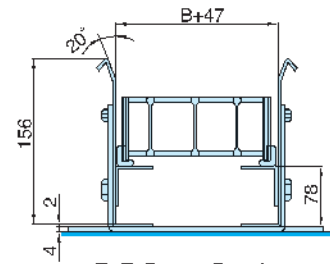
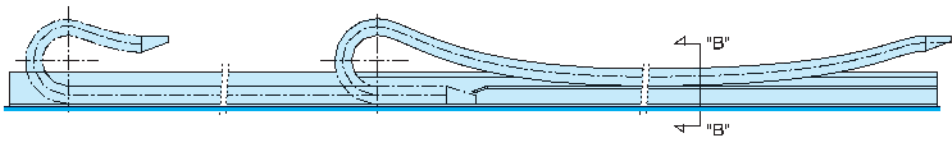


SIDE COVER 부착시



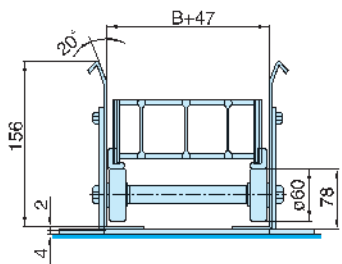
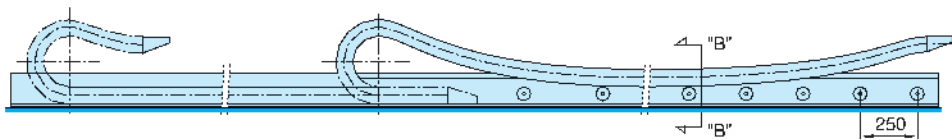
SLIDER 부착시

## Guide Rail



B-B Cross Section

## Guide Roller



B-B Cross Section

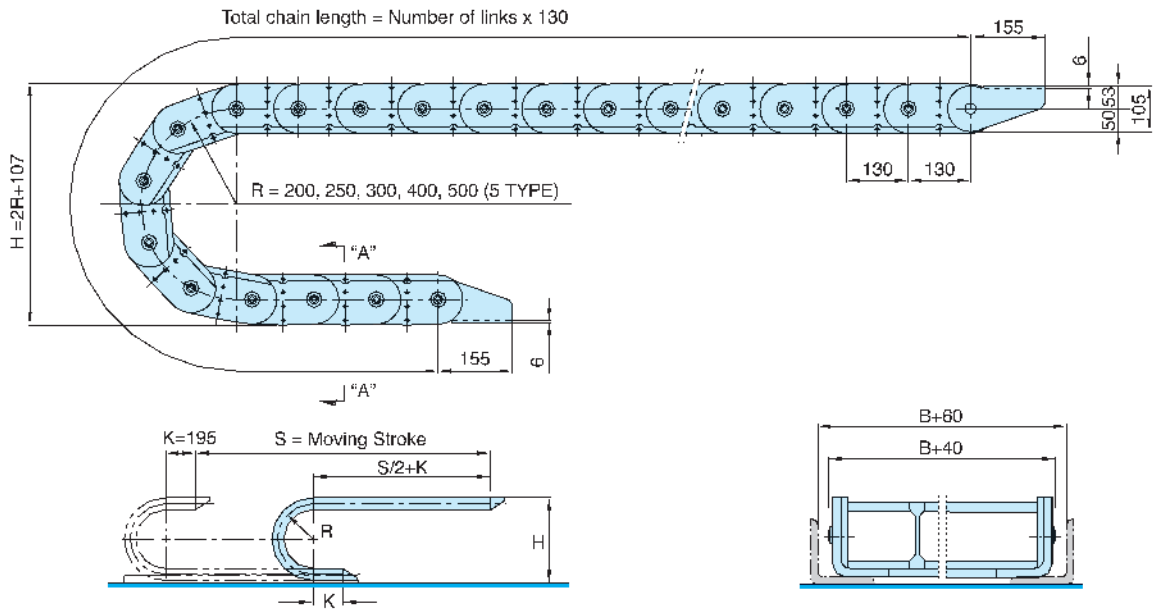


Order Example (주문예)

# HSSP 130

HSSP130	250R	B200	4420L	3SETS
Type	Radius	Width	Length	Q'ty

Chain, Cross Section



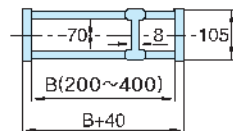
• Length  $L = \frac{S}{2} + \pi R + 390$

• Radius	R	200	250	300	400	500
• Height	H	507	607	707	907	1107

Guide Rail

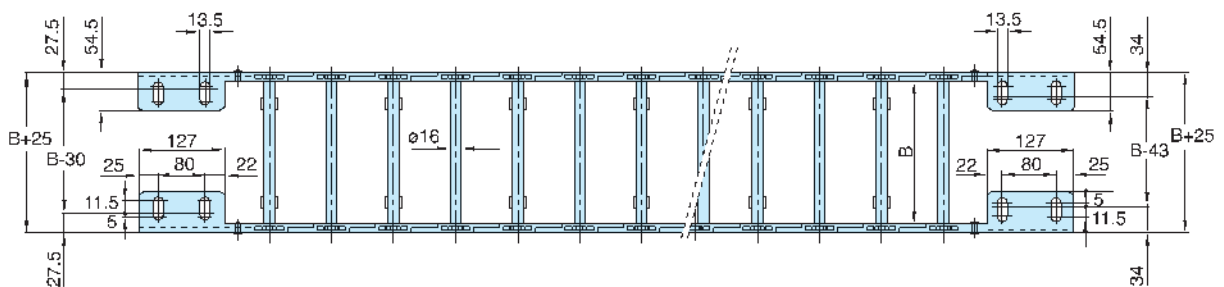
Divider

Cable/Hose d <sub>max</sub>	ø63					
Frame Dimen. "B"	200	250	300	350	400	
Divider	Min. No.	2	3	4	5	6
	Max. No.	4	5	6	8	10



A-A Cross Section

Brackets



Fixed Bracket

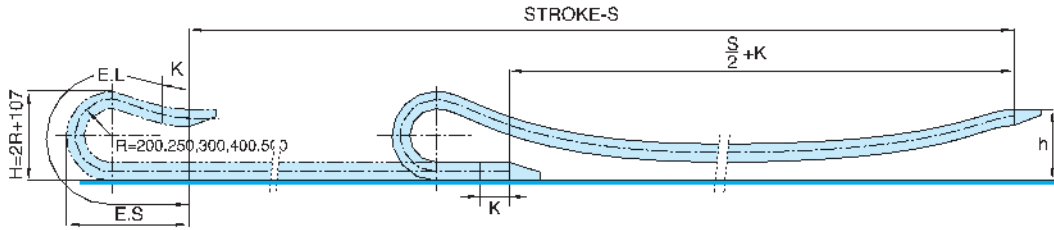
Moving Bracket

Order Example (주문예)

# HSSP 130S

HSSP130S 400R B300 24960L 3SETS  
 Type Radius Width Length Q'ty

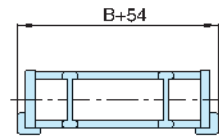
Chain



• Length  $L = \frac{S}{2} + E.L + 390$

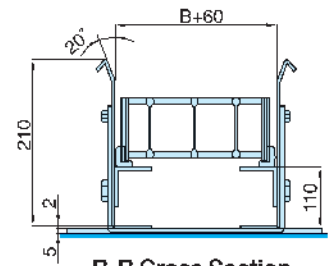
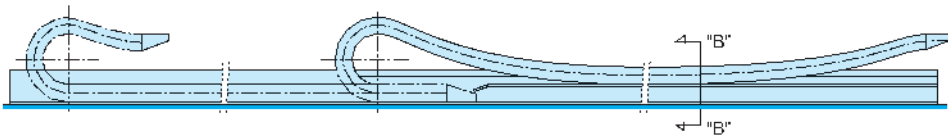
- Radius
- Height
- Moving Point Height
- Extra Length
- Extra Space

R	200	250	300	400	500
H	507	607	707	907	1107
h	300	300	300	300	300
E.L	1560	1820	2210	2990	3640
E.S	780	950	1100	1400	1700



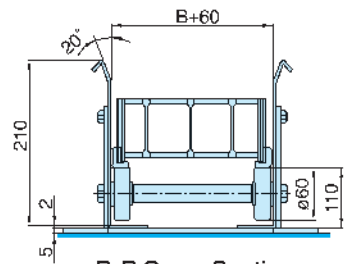
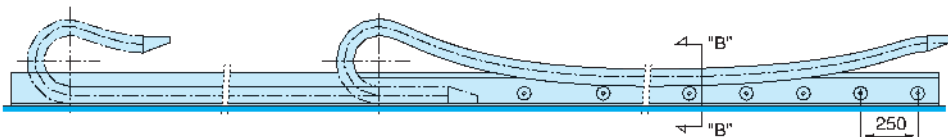
SLIDER 부착시

Guide Rail



B-B Cross Section

Guide Roller



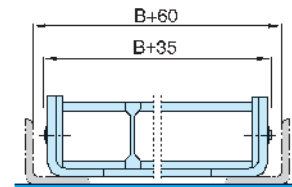
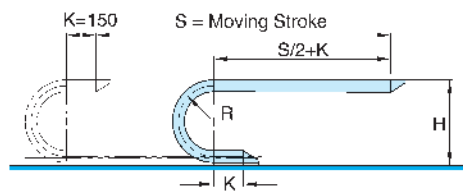
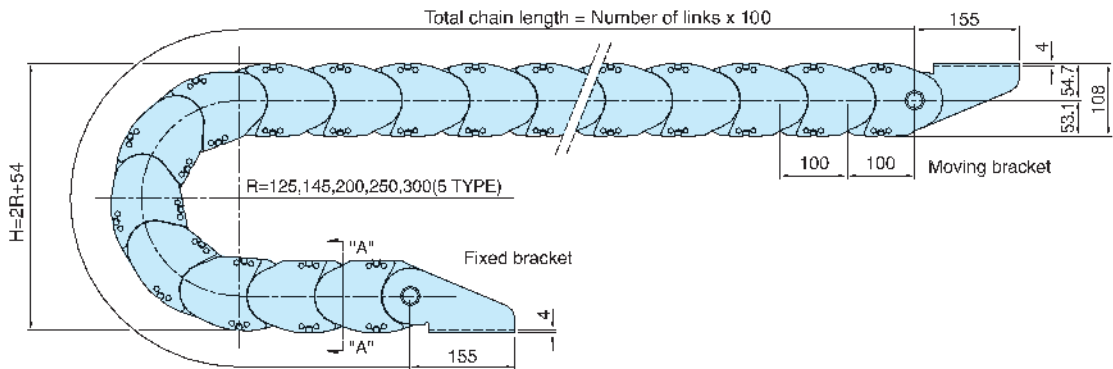
B-B Cross Section

Order Example (주문예)

# HSSP 100

HSSP100	250R	B200	4400L	3SETS
Type	Radius	Width	Length	Q'ty

Chain, Cross Section



Guide Rail

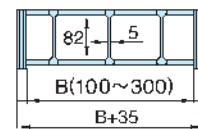
• Length  $L = \frac{S}{2} + \pi R + 300$

• Radius	R	125	145	200	250	300
• Height	H	360	400	510	610	710

Divider

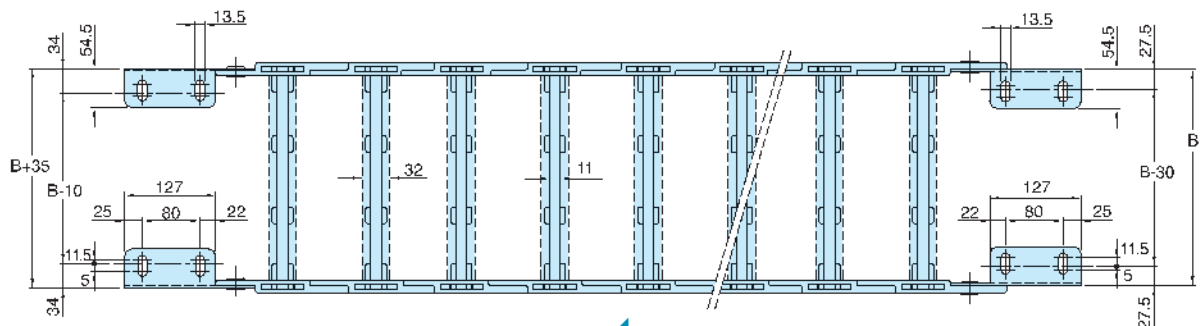
Cable/Hose d <sub>max</sub>	ø65					
Frame Dimen. "B"	200	250	300	350	400	
Divider	Min. No.	2	3	4	5	6
	Max. No.	4	5	6	8	10

----- if "B" > 300 "WIDE BAR" (OPTION)



A-A Cross Section

Brackets



Fixed Bracket

Moving Bracket

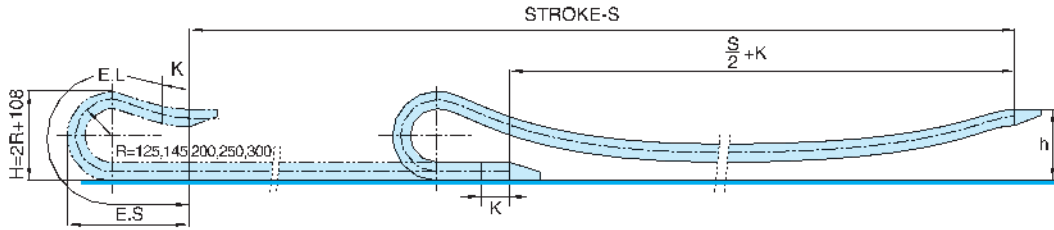
----- if "B" > 300 "WIDE BAR" (OPTION)

Order Example (주문예)

# HSSP 100S

HSSP100S 300R B300 24900L 3SETS  
 Type Radius Width Length Q'ty

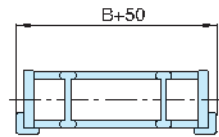
Chain



• Length  $L = \frac{S}{2} + E.L + 300$

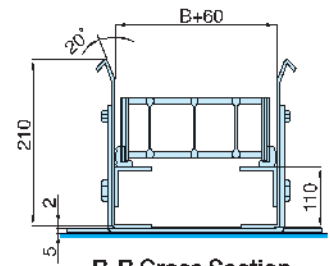
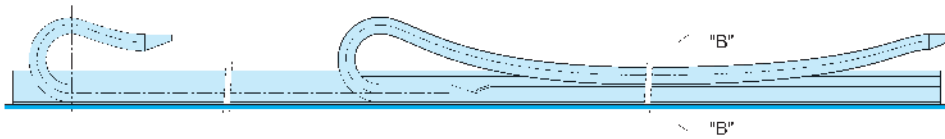
- Radius
- Height
- Moving Point Height
- Extra Length
- Extra Space

R	125	145	200	250	300
H	360	400	510	610	710
h	300	300	300	300	300
E.L	1200	1400	1700	2300	2800
E.S	600	730	850	1070	1300



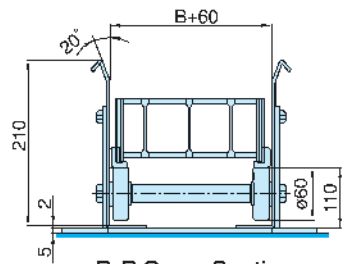
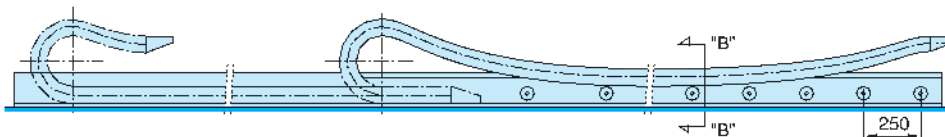
SLIDER 부착시

Guide Rail



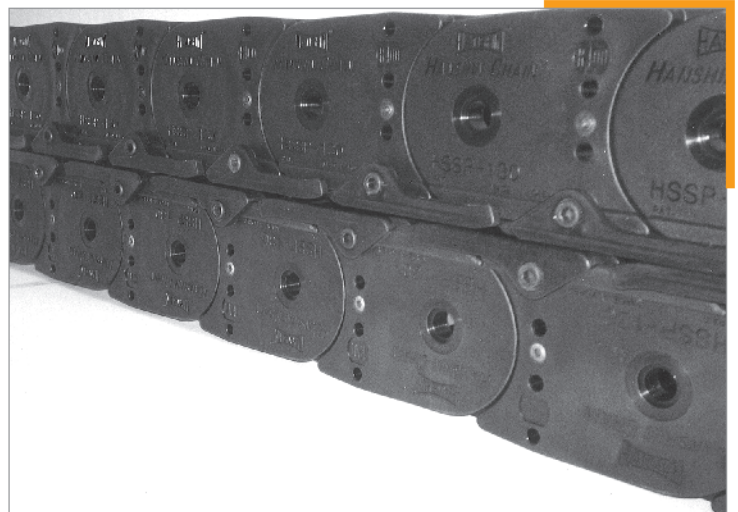
B-B Cross Section

Guide Roller



B-B Cross Section

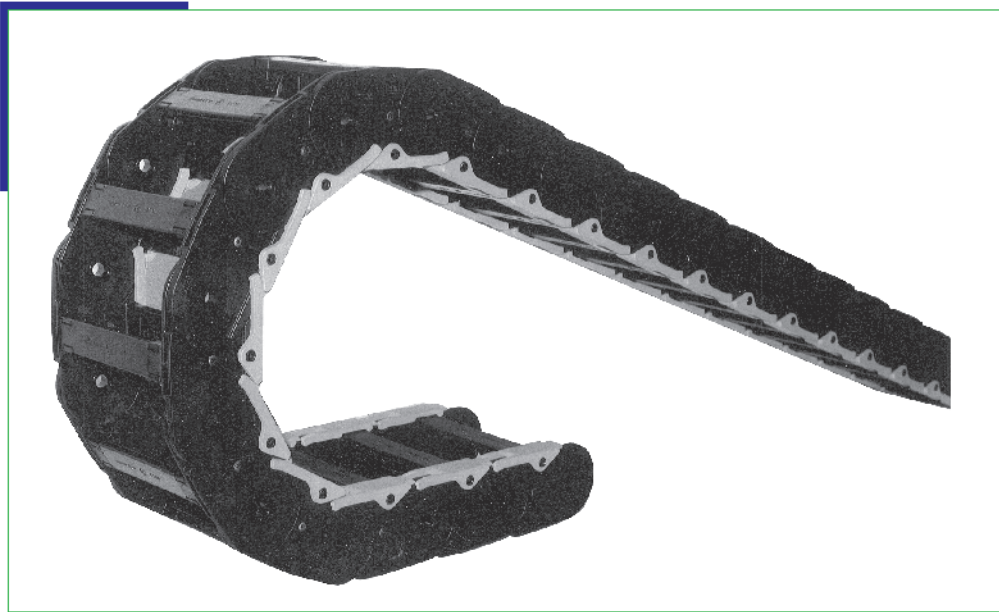
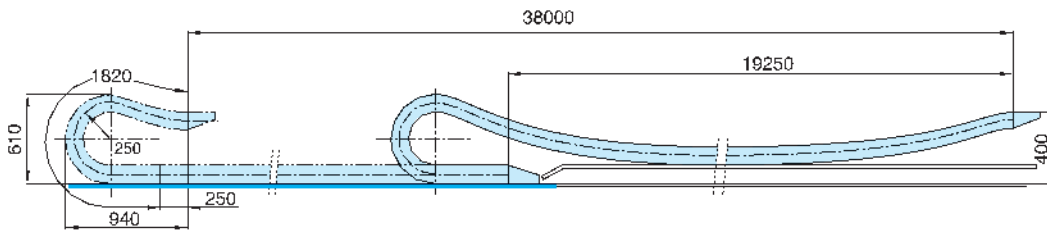
# HSSP Sliding



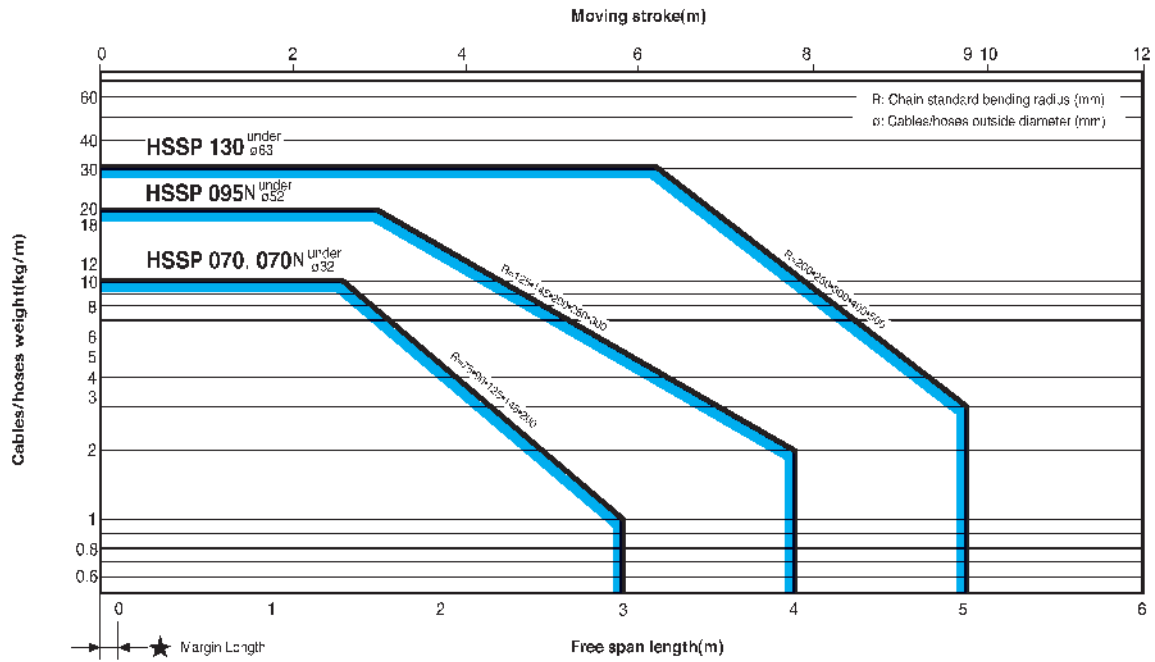
HSSP 130S

설 계 사 례

HSSP 130S 250R B:200 21320L



● 능력선도 (HSSP) Capability Graph

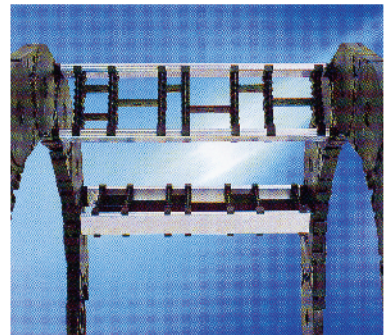
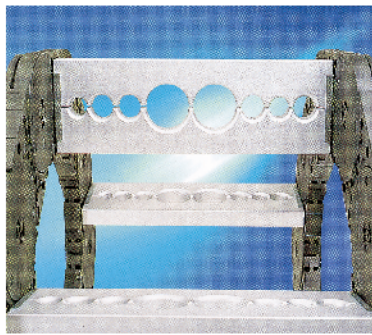
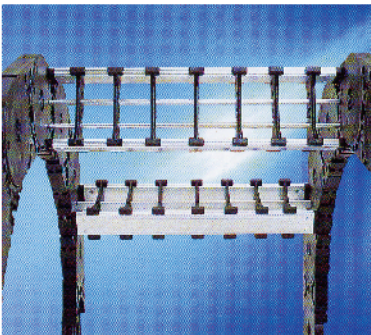


HSSP095S

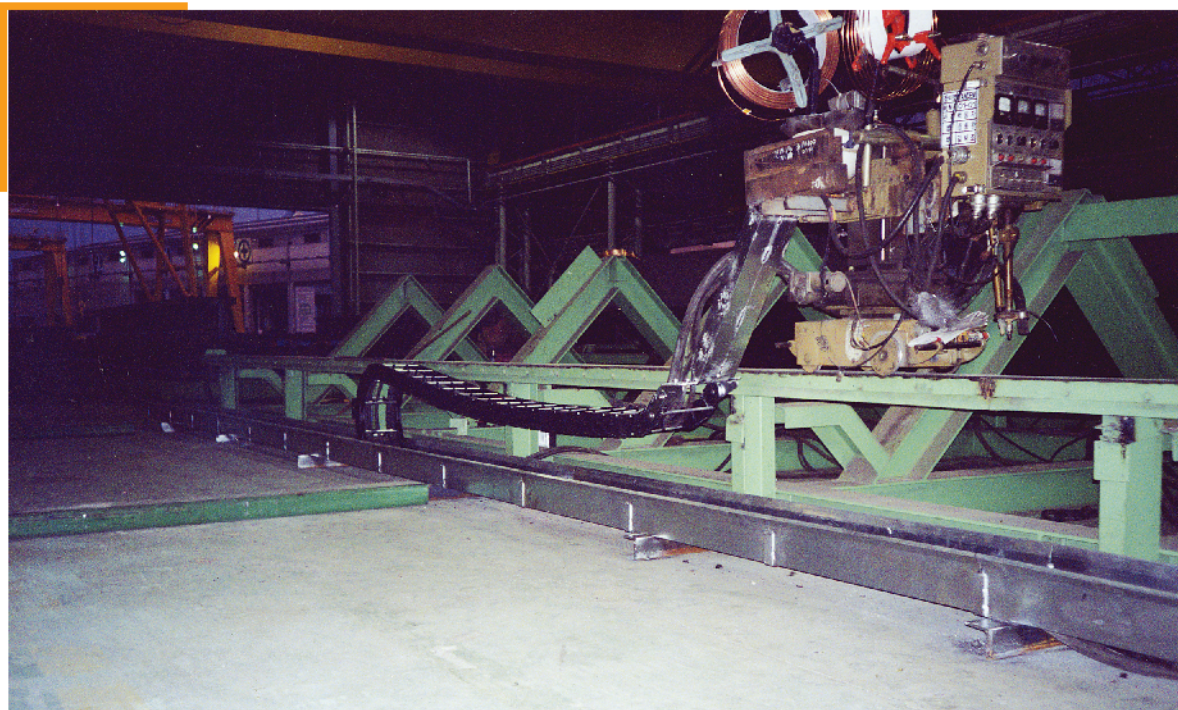
● 응용 예 Application Examples



HSSP095NS



HSSP Supporter (option)



HSSP095N