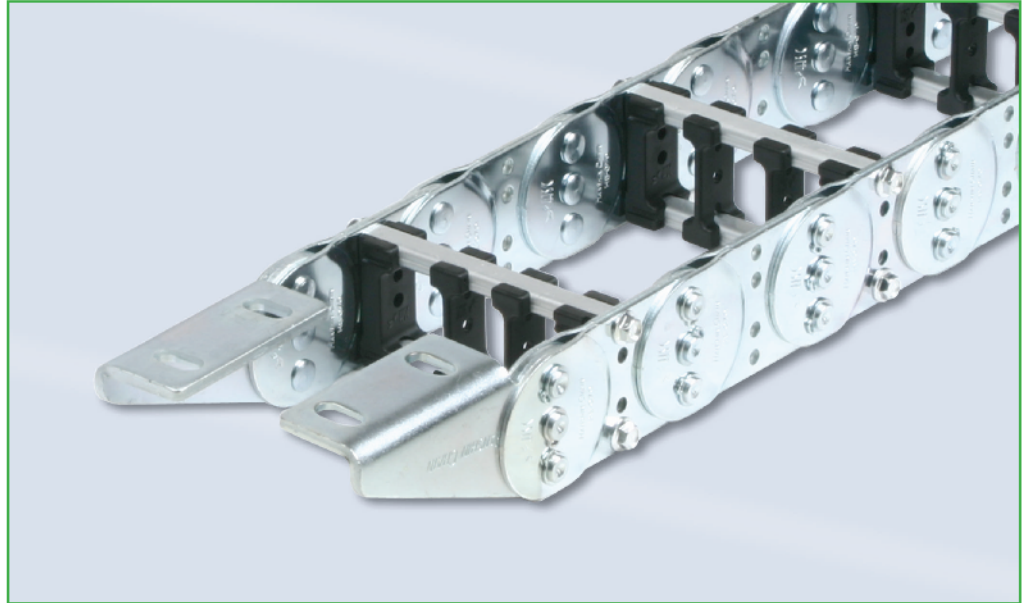


HSS type

HSS 070
 HSS 095
 HSS 130
 HSS 180
 HSS 250



· 실용신안등록 제 069527호
 · 실용신안등록 제 121323호
 · 실용신안등록 제 134987호

● 용도 Application

제철 · 제강설비, 공작기계, 운반기계, 자동차 생산설비, 산업용 플랜트, 냉연 · 압연설비 등 모든 기계에 적용

Iron and Steel Mill Industry, Machining Center, Conveying Machine, Automobile Industry, Industrial Plant Facilities and most of industrial application

● 특징 Features

- 간편조작형으로 Cable, Hose의 분해 및 설치가 용이하고 칸막이가 자유롭게 조정됩니다.
- Supporter 부가 규격화되어 간편하며 짧은 납기에 좋습니다.
- 불필요한 무게를 줄였습니다.
- Cable, Hose 의 추가 증설이 용이합니다.
- 25종의 다양한 모델로 구성되어 있습니다.
- *Quick and easy manipulation for assembling and disassembling cable and hose*
- *Movable divider provides more flexibility.*
- *Supporter parts are well standardized to cut the delivery time.*
- *Unnecessary weight is removed.*
- *25 various models are manufactured.*

● 운용환경 Operation

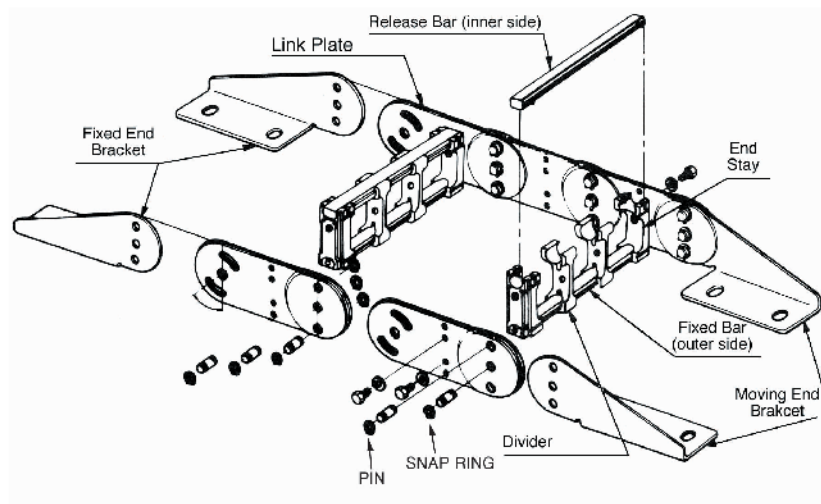
HSS Type의 Robochain은 HS Type과 Plate는 같습니다만 Supporter가 다릅니다. HSS Type은 Supporter의 Bar를 분리하여 케이블과 호스를 쉽게 탈·부착 가능토록 간편하게 제작되어 있습니다. 한편, 엔지니어링 플라스틱 Divider를 케이블과 호스의 직경에 맞추어 사용합니다. HSS Type은 Cable, Hose 등의 추가 증설이 용이하도록 설계되었습니다. 녹이 발생하는 환경에서 사용하는 경우에는 Plate를 스테인레스 강판으로도 제작이 가능합니다.

*HSS Type shares the same plate with HS Type, however, the supporter is different.
HSS Type is designed for easy assembling and disassembling of cable and hose through eliminating the bar of supporter.
Also, divider made of engineering plastic flexibly moves to accommodate the diameter of cable or hose.
For moisture environment to get rust easily, plate can be made of stainless steel.*

● 주요제원 Properties

- 운동속도: 60m/min이하
 - 케이블 호스의 직경: 80mm 이하
 - 사용온도: -25 ~ 100℃
 - 기본색: 백색아연도금
 - 재질: S45CM-S, Aluminum, 엔지니어링 플라스틱
- Moving Velocity: below 60m/min
 - Diameter of Cable Hose: less than 80mm
 - Operating Temperature: -25 ~ 100°C
 - Basic Color: White Zinc Coating
 - Material: S45CM-S, Aluminum, Engineering Plastic

● 구조와명칭 Structure

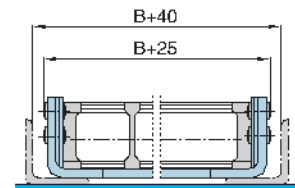
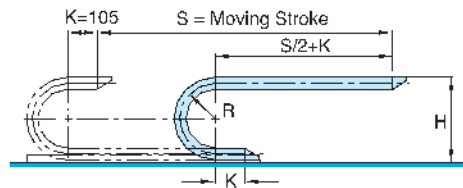
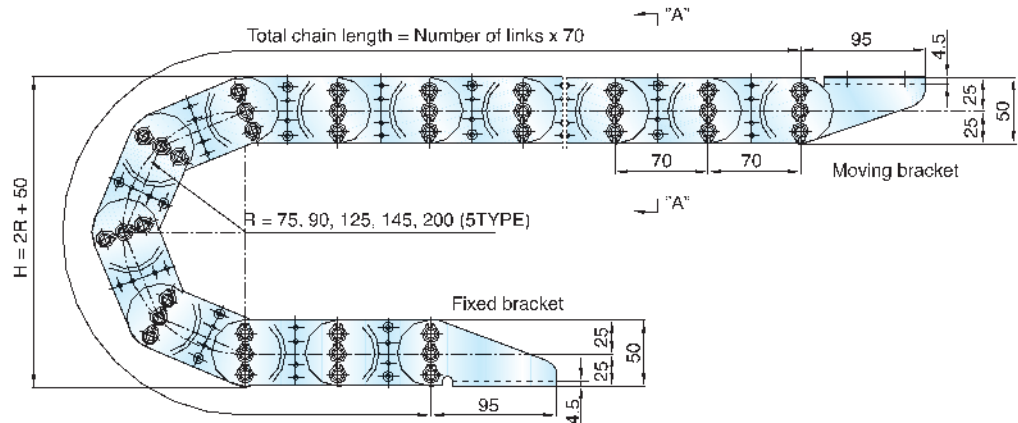


Order Example(주문예)

HSS 070

HSS070	145R	B200	3500L	3SETS
Type	Radius	Width	Length	Q'ty

Chain, Guide Rail



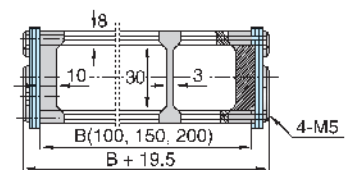
Guide Rail

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

• Radius	R	75	90	125	145	200
• Height	H	200	230	300	340	450

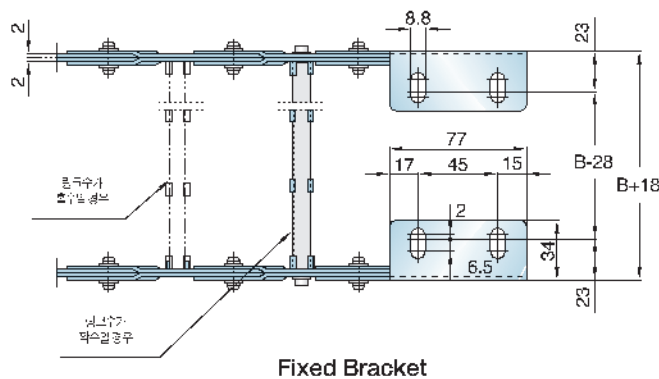
Divider

Cable/Hose dmax	ø27				
Frame Dim. "B"	100	150	200	250	
Divider	Min. No.	0	1	2	3
	Max. No.	3	5	8	9

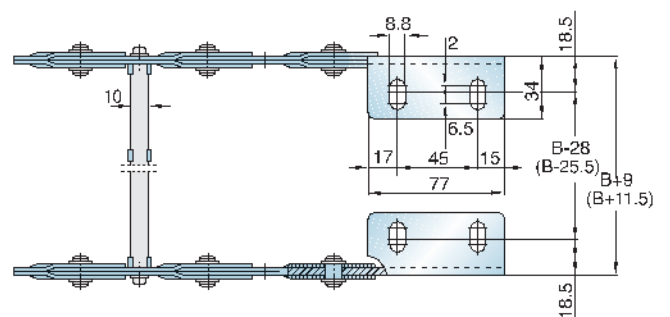


A-A Cross Section

Brackets



Fixed Bracket



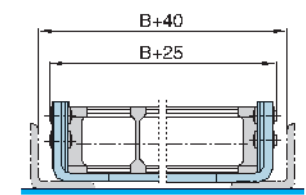
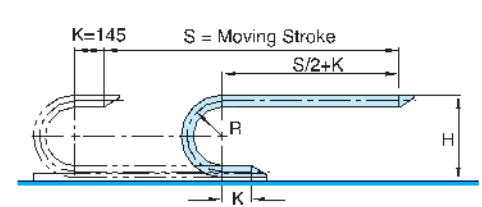
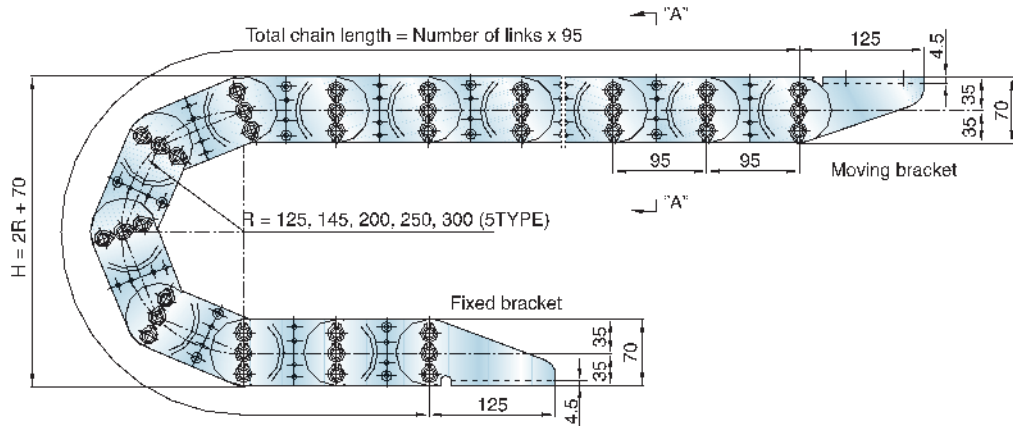
Moving Bracket

Order Example (주문예)

HSS 095

HSS095	300R	B200	4560L	3SETS
Type	Radius	Width	Length	Qty

Chain, Guide Rail



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

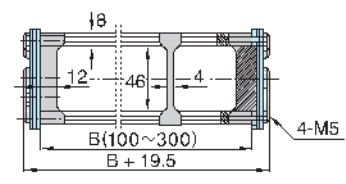
• Radius	R	125	145	200	250	300
• Height	H	320	360	470	570	670

Guide Rail

Divider

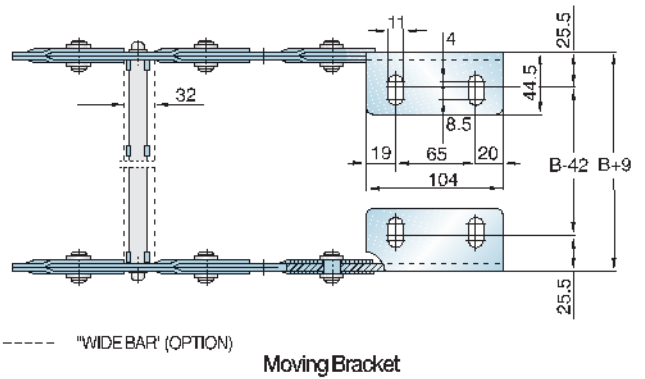
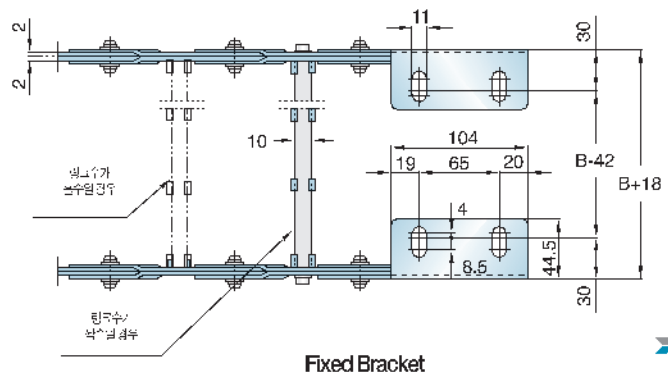
Cable/Hose d_{max}	$\phi 42$					
Frame Dim. "B"	100	150	200	250	300	
Divider	Min. No.	0	1	2	3	4
	Max. No.	3	5	8	9	10

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



A-A Cross Section

Brackets



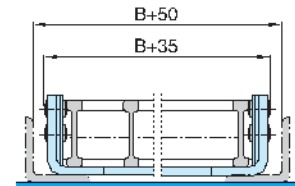
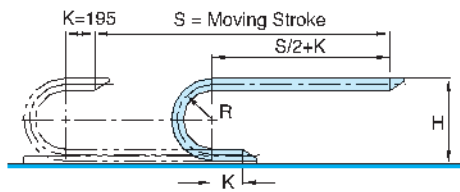
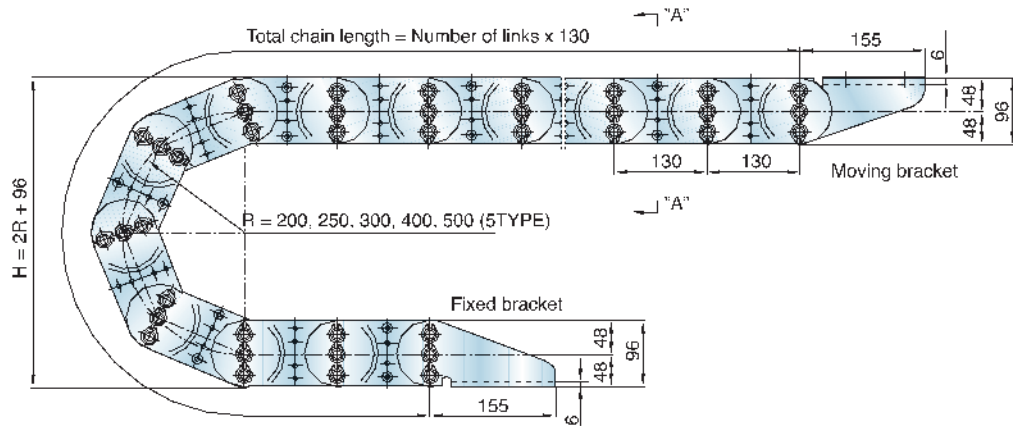
--- "WIDE BAR" (OPTION)

Order Example (주문예)

HSS 130

HSS130 400R B300 5980L 3SETS
 Type Radius Width Length Qty

Chain, Guide Rail



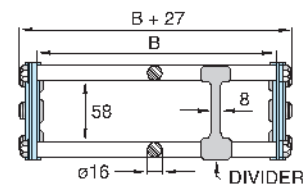
Guide Rail

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

• Radius	R	200	250	300	400	500
• Height	H	496	596	696	896	1096

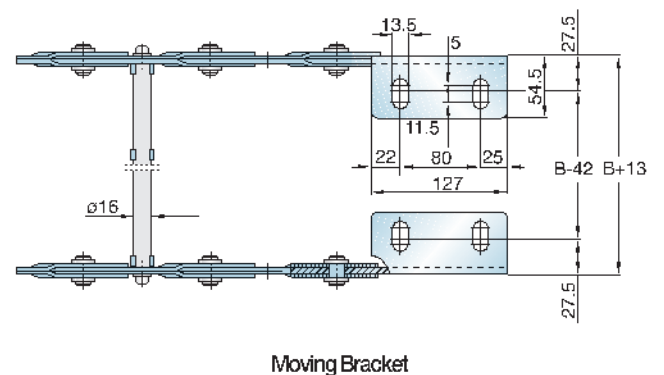
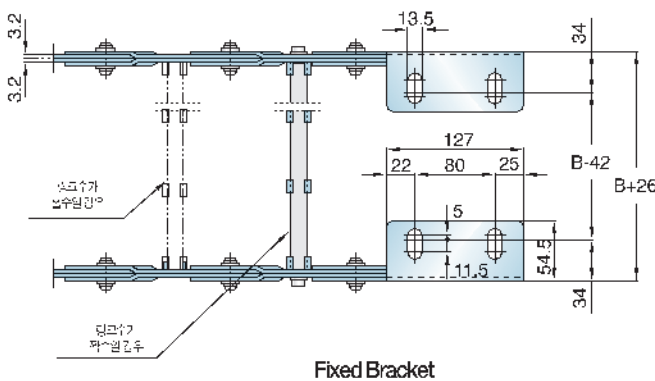
Divider

Cable/Hose d_{max}	$\phi 50$					
Frame Dim. "B"	200	250	300	350	400	
Divider	Min. No.	2	3	4	5	6
	Max. No.	3	5	8	9	10



A-A Cross Section

Brackets



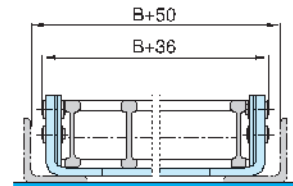
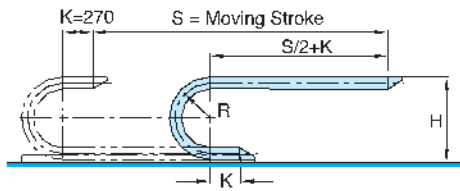
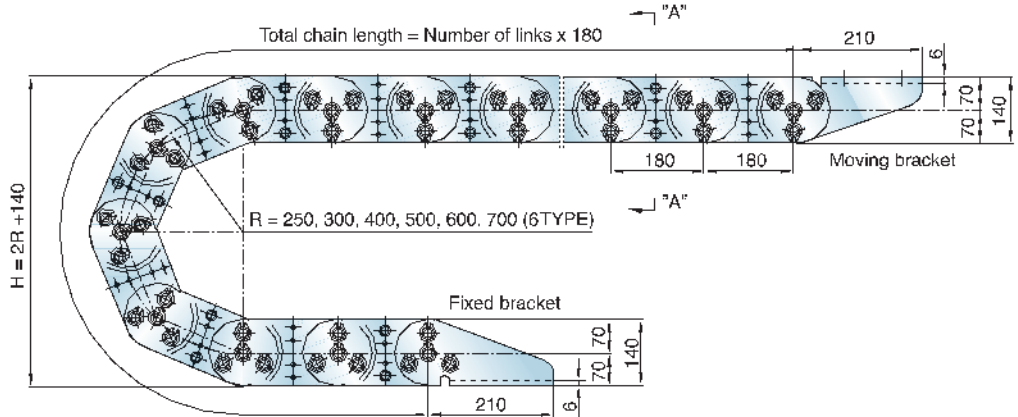
Order Example (주문예)

HSS 180

HSS180 700R B400 7920L 3SETS
 Type Radius Width Length Qty

HSS

Chain, Guide Rail



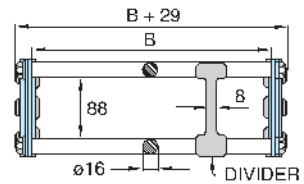
Guide Rail

• Length $L = \frac{S}{2} + \pi R + 540$

• Radius	R	250	300	400	500	600	700
• Height	H	640	740	940	1140	1340	1540

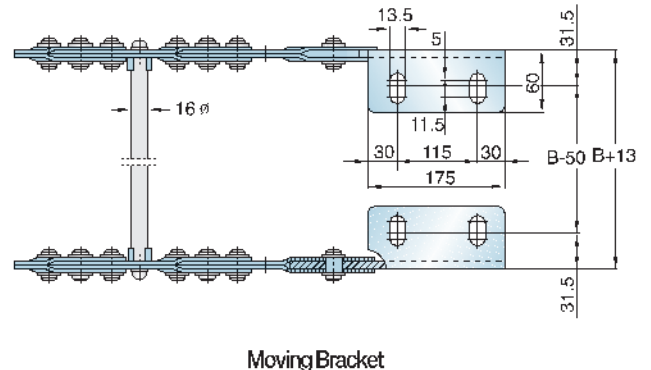
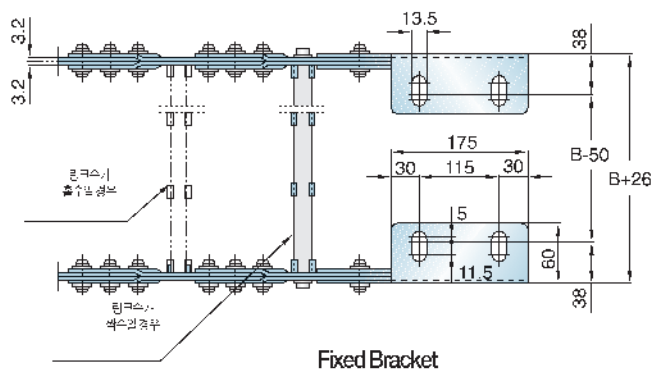
Divider

Cable/Hose d _{max}	ø80					
Frame Dim. "B"	300	400	500	600	700	
Divider	Min. No.	3	4	5	6	7
	Max. No.	5	8	10	12	14



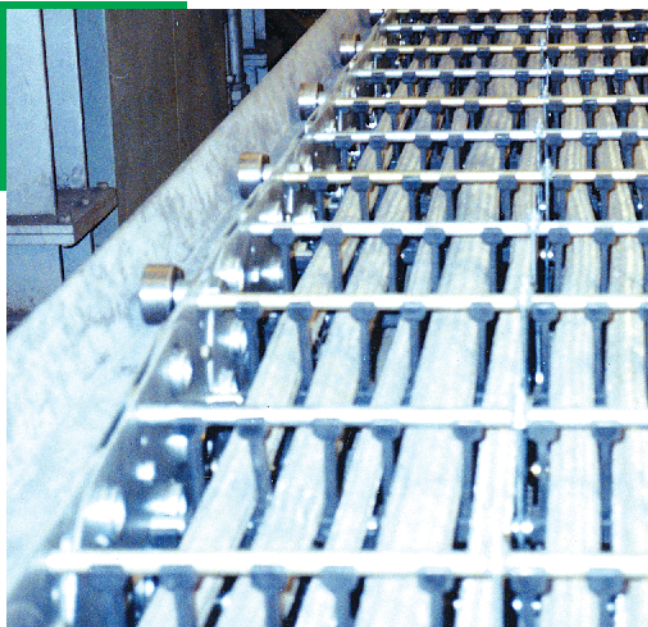
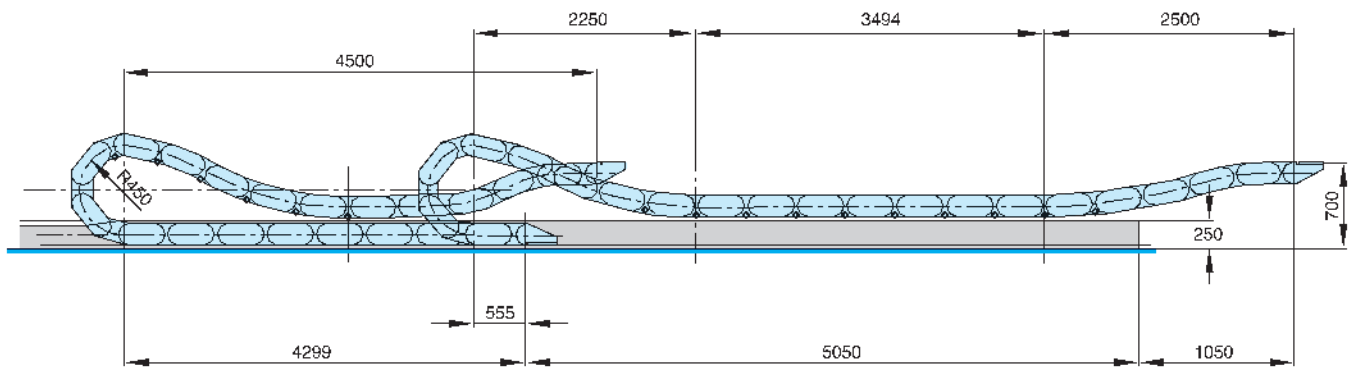
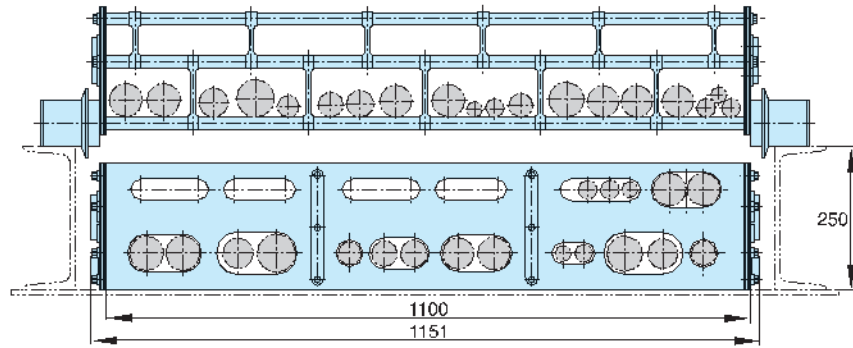
A-A Cross Section

Brackets

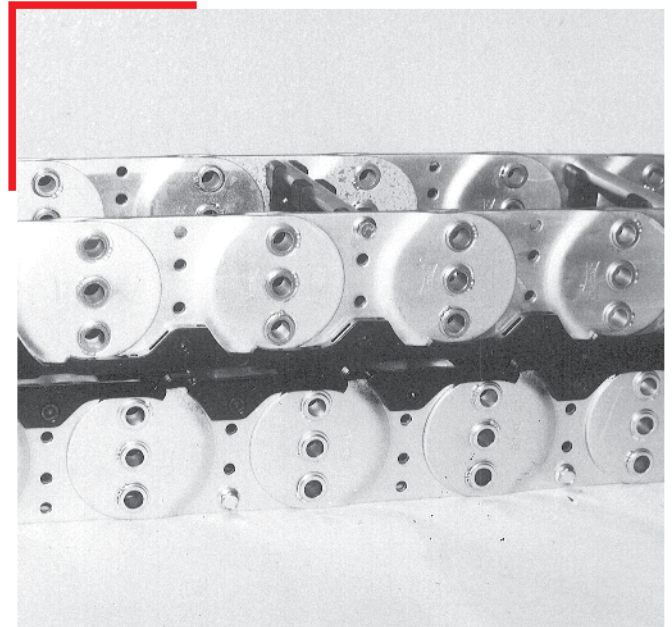


HSS Sliding

HSS250의 설계 사례



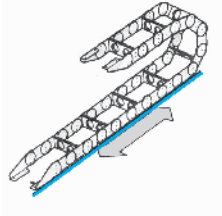
HSS250 Side Roller Type



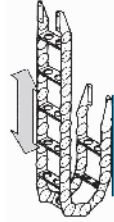
HSS130 Slider Type

● 응용 예 Application Examples

Standard Type



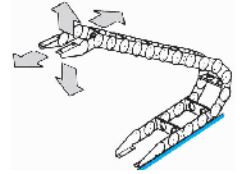
Vertical Type (A)



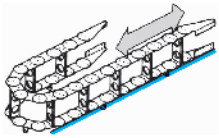
Vertical Type (B)



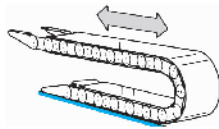
Combination Type



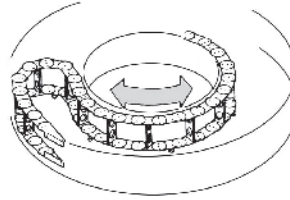
Bed Type



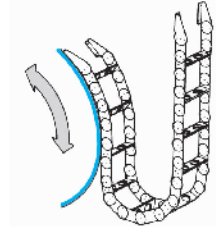
Chip Cover Type



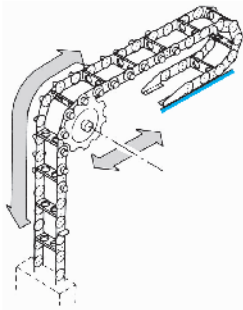
Bend Drum Type (H)



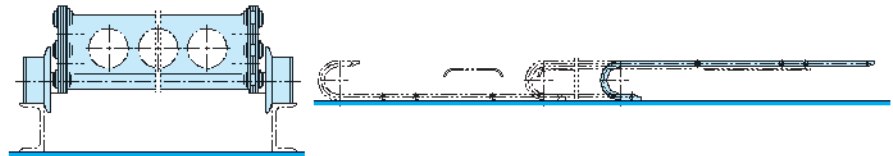
Bend Drum Type (V)



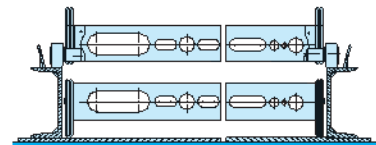
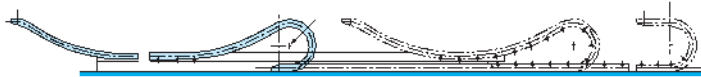
Sprocket Type



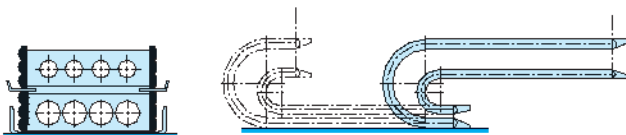
Side Roller Type



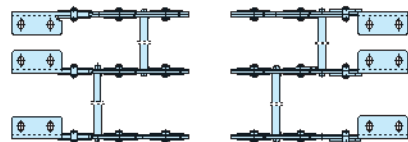
Free Side Roller Type



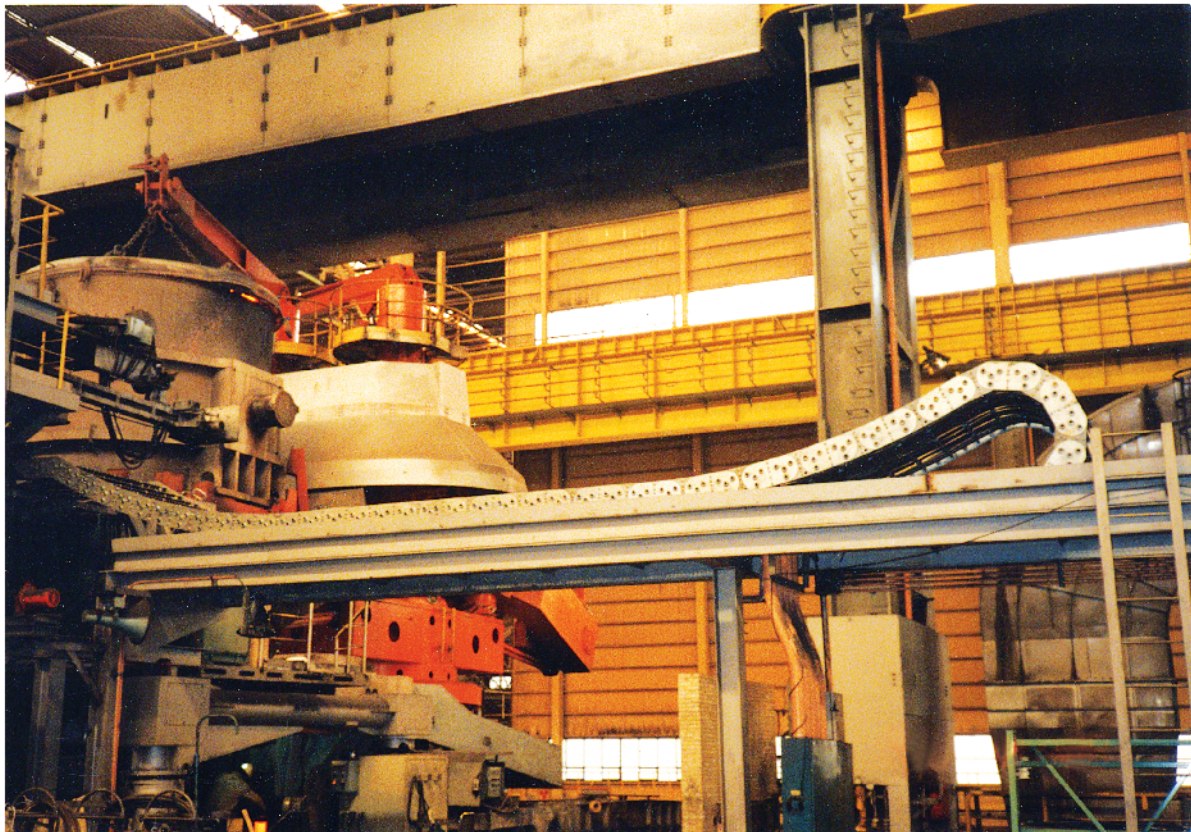
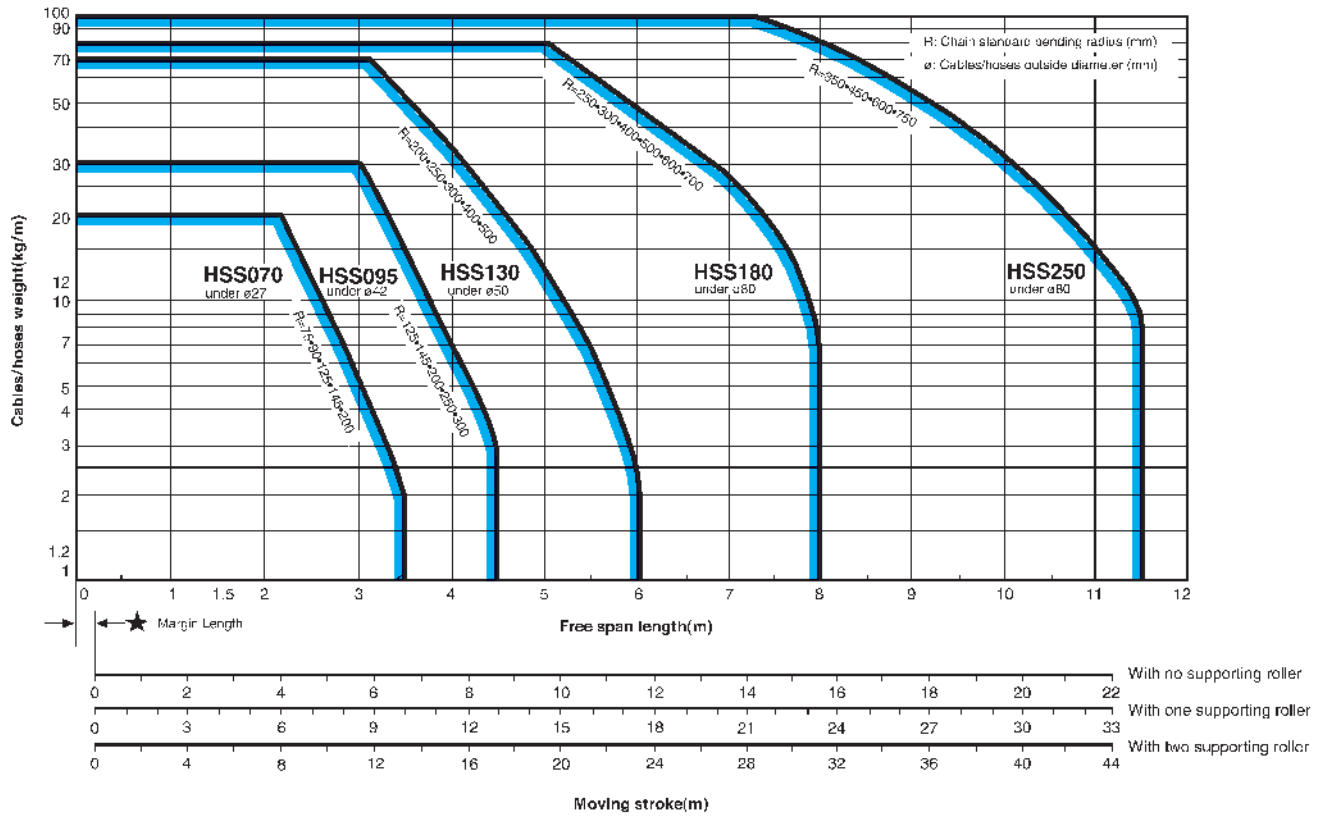
Double Type (A)



Double Type (B)

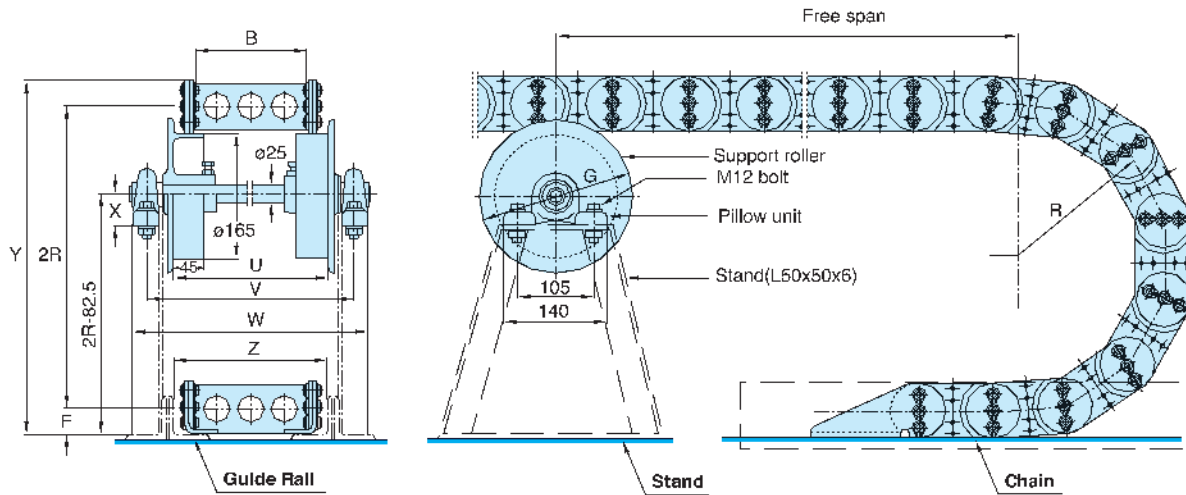


● 능력선도 (HSS) Capability Graph



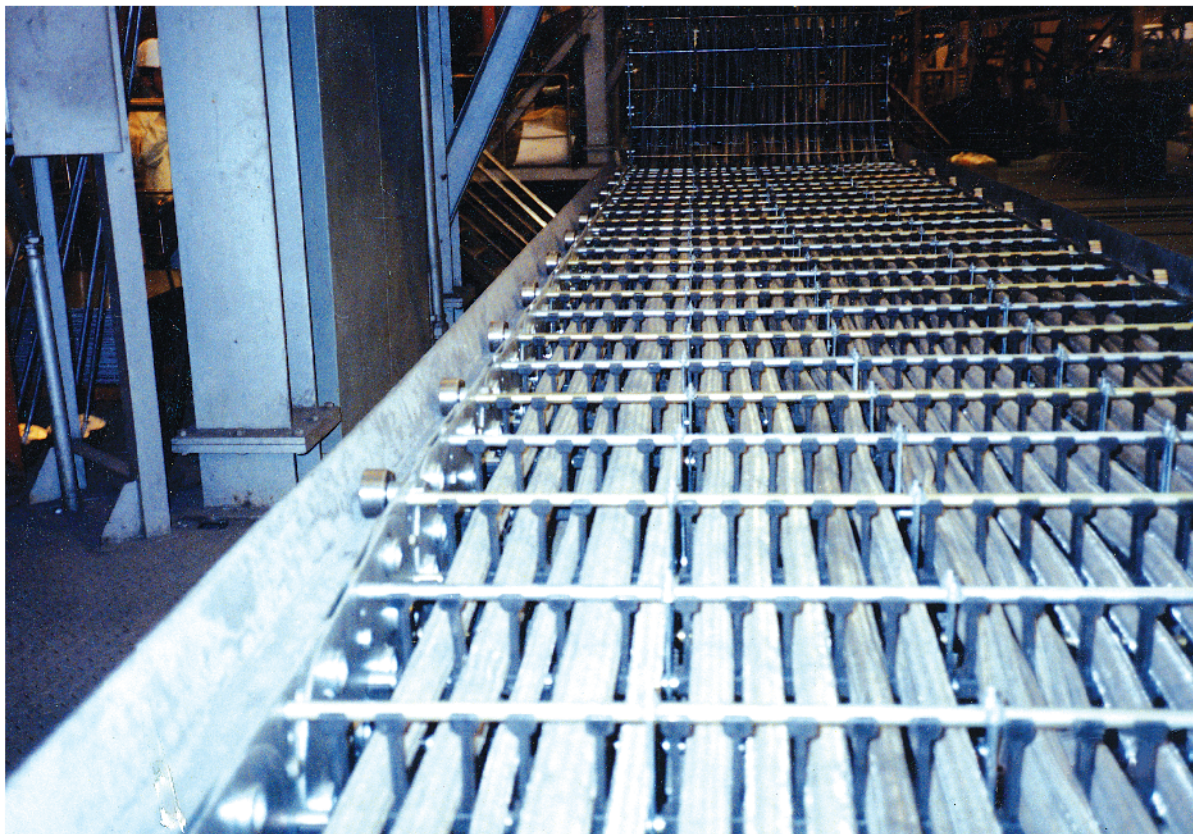
제철소의 연주설비 TUNDISH CAR

● Support Roller의 치수 Dimension of Support Roller



(Dimension: mm)

Approx. Chain Chain Size	Min. Supporter with B	Min. Bending Radius R	U	V	W	F	Y	Z	øG	X
HS070, HSS070	80	125	B+45	B+125	B+163	25	2R+50	B+40	205	36.5
HS095, HSS095						35	2R+70			
HS130, HSS130	100	200	B+55	B+135	B+173	48	2R+96	B+50	285	36.5
HS180, HSS180	125	250	B+75	B+185	B+240	70	2R+140	B+70	365	49.2
HS250, HSS250 (ø40)	350	350	B+75	B+185	B+240	110	2R+220	B+70	365	49.2



대용량의 HSS Type RoboChain

HSS 095S

Order Example (주문예)

HSS095	300R	B200	4560L	3SETS
Type	Radius	Width	Length	Qty

④ Chain,
Guide Rail

